City Council Chambers, 311 Vernon Street roseville.ca.us

The City of Roseville welcomes your participation.

Meeting Schedule: Regular meetings of the Planning Commission are held on the second and fourth Thursday of the month at 6:30 p.m.

Public Comment: Speakers have three (3) minutes under Public Comment to address the Chair of the meeting on issues that are not listed on the agenda and are within the City's jurisdiction. Please submit a yellow speaker card to the Secretary before the item is heard if you wish to make a comment.

Brown Act: The Planning Commission cannot discuss or act on items not listed on the agenda.

Agenda Items: Speakers have five (5) minutes to address items that are listed on the agenda.

Levine Act Provisions: If you've made a campaign contribution totaling more than $500 ($250 prior to January 1, 2025) to City Council Members in the last twelve (12) months, you must disclose it before addressing an item on the agenda. Please visit Levine Act – City of Roseville for updated forms and information.

Audio/Visual Presentations: If making a presentation regarding an agenda item, audio/visual materials must be submitted to the Secretary for consideration at least 72 hours in advance.

Americans with Disabilities Act: If special assistance is required to participate in a meeting including the need of auxiliary aids or services, please notify the City Clerk at least 72 hours in advance of the meeting.
City Clerk 311 Vernon Street cityclerkroseville@roseville.ca.us 916-774-5263 TDD: 916-774-5220

Security Measures: All Roseville meeting attendees must successfully pass through a security metal detector. Any person with a prohibited item will not be allowed entry. Prohibited items include but are not limited to firearms (even with valid CCW), knives, pepper spray/mace, explosives of any kind/any weapons and/or dangerous devices of any kind, illegal drugs, and alcohol. (City Council Only)

Viewing Options: The City of Roseville provides three options for viewing meetings:

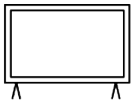
In person

Meetings take place at the City Council Chambers, 311 Vernon Street

Online

Watch meetings live on the City's YouTube channel or at **roseville.ca.us/watch**. Past meetings are also available on the City's YouTube channel.

On TV



Watch live on government access channel (Comcast 14).

Clifford Haggenjos, Chair
Erich Brashears, Vice Chair
Bruce Hagler, Commissioner
Robert Jensen, Commissioner
John Prior, Commissioner
Kim Ryan Unidad, Commissioner
Lupe Nelson, Secretary
Greg Bitter, Liaison

AGENDA

Planning Commission Meeting
August 28, 2025
6:30 PM
City Council Chambers, 311 Vernon Street

I. CALL TO ORDER

II. ROLL CALL

III. PLEDGE OF ALLEGIANCE

IV. PUBLIC COMMENTS

V. CONSENT CALENDAR

Items appearing on the Consent Calendar are considered routine and may be approved by one motion of the Planning Commission. Any person may request an item be removed from the Consent Calendar for further discussion.

1. Minutes of August 14, 2025

VI. REQUESTS/PRESENTATIONS

1. Sierra Vista Specific Plan Parcel DF-40, DF-41, DF-42 - Baseline Marketplace Modification, 5000 Baseline Rd, File # PL25-0246

Request: The applicant requests a Major Project Permit Modification (Stage 1 & 2) to make modifications to the site plan and design guidelines for the Baseline Marketplace commercial center. The Stage 2 Modifications include approval of detailed architectural elevations to allow the construction of Major Anchor 1 & 2 and one Drive-Thru Restaurant Building. Original MPP (Stage 1 & 2) approval was under file #2013PL-020. A new Tentative Subdivision Map is also requested to create new lots in conjunction with the modified site plan.

Applicant: Jordan Crawford, Kimley Horn
Owner: Julie Margetich, Covenant Real Estate Group

CONTACT: Sean Morales 916-774-5282 smorales@roseville.ca.us

The Planning Commission will consider the recommendation to:

1. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 1 Modification subject to five (5) conditions of approval; and
2. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 2 Modification subject to five (5) conditions of approval; and
3. Adopt the three (3) findings of fact and approve the Tentative Subdivision Map subject to sixty-one (61) conditions of approval.

2. Zoning and Subdivision Ordinance Amendment – Tolling Provisions, File # PL25-0439

Request: The request is a city-initiated request to amend Roseville Municipal Code Chapter 19 (Zoning Ordinance) to add a new Section 19.76.140 (Tolling Provisions) and amend Roseville Municipal Code Chapter 18 (Subdivision Ordinance) to modify Section 18.06.230 (Time Period of Approvals) to indicate that the expiration of approved projects shall be paused (tolled) during any time the approvals are or were the subject of a lawsuit.

Applicant: City of Roseville

CONTACT: Lauren Hocker 916-774-5272 lhocker@roseville.ca.us

The Planning Commission will consider the recommendation to:

1. Consider the two (2) findings of fact and recommend City Council approve the Ordinance Amendment to Title 19 of the Roseville Municipal Code.
2. Review and comment on the Ordinance Amendment to Title 18 of the Roseville Municipal Code.

VII. STAFF/COMMISSIONER REPORTS

VIII. ADJOURNMENT

Planning Commission Communication

Meeting Date: 8/28/2025
Item #: V.1
Item ID: 2025-622

Title: Minutes of August 14, 2025
Contact: Lupe Nelson 916-774-5281 lnelson@roseville.ca.us

REQUEST
Staff requests that the Planning Commission approve the Minutes of August 14, 2025.

RECOMMENDATION
The Planning Division recommends that the Planning Commission take the following actions:

1. Approve the Minutes of August 14, 2025.

Respectfully Submitted,
Lupe Nelson, Administrative Assistant

Greg Bitter, Planning Manager

ATTACHMENTS:
1. Draft Minutes

REVIEWERS:
Lupe Nelson, Development Services Department Created/Initiated - 8/21/2025

Clifford Haggenjos, Jr., Chair
Erich Brashears, Vice Chair
Bruce Hagler, Commissioner
Robert Jensen, Commissioner
John Prior, Commissioner
Kim Ryan Unidad, Commissioner
Lupe Nelson, Secretary
Greg Bitter, Liaison

DRAFT MINUTES
Planning Commission Meeting
August 14, 2025
6:30 PM
City Council Chambers 311 Vernon Street

I. CALL TO ORDER

Chair Haggenjos called the meeting to order at 6:32 p.m.

II. ROLL CALL

Present: Hagler, Jensen, Unidad, Brashears, Haggenjos
Absent: Prior

III. PLEDGE OF ALLEGIANCE

Chair Haggenjos led those in attendance in the Pledge of Allegiance.

IV. PUBLIC COMMENTS

Chair Haggenjos opened the Public Comment period. Hearing none, Chair Haggenjos closed the Public Comment period.

V. CONSENT CALENDAR

1. **Minutes of July 24, 2025**
2. **North Industrial Plan Area Parcel 50 – IMAGE Studios, 9089 Foothills Bl, File # PL25-0346**
   Request: The applicant requests a Conditional Use Permit to allow IMAGE Studios (salon studios) to operate in a Light Industrial (M1) zone district.

   Motion by Commissioner Jensen, seconded by Vice Chair Brashears, to approve the Consent Calendar.

   Roll call vote:
   Ayes: Unidad, Jensen, Brashears, Hagler, Haggenjos
   Noes: None

VI. REQUESTS/PRESENTATIONS

1. **Infill Parcel 32A – 106 Ben Ezra Ave TPM, 106 Ben Ezra Av, File # PL25-0267**
   Request: The project is a request for a Tentative Parcel Map to subdivide 106 Ben Ezra Avenue (APN

013-192-024-000) into two separate parcels. Parcel A will be 0.215-acre and Parcel B will be 0.301-acre. No development is being proposed with this project.

Associate Planner, Kinarik Shallago, presented the staff report.

Chair Haggenjos opened the Public Hearing and invited comments from the applicant and/or audience.

Applicant, Josh Alva, stated he had received a copy of the staff report and was in agreement with staff's recommendation.

Commissioners Discussion with Applicant

- A Commissioner asked if the housing structure would include a garage. The Applicant responded that at this time he only intends to subdivide the lot.
- A Commissioner asked how many vehicles the garage would accommodate. The Applicant responded possibly 2 vehicles, but he was not sure as no design had been considered.

Laura Wilbourn spoke in opposition of the project. She expressed concerns about parking and wrong way drivers and asked whether the site could be developed for multi-family housing. She also stated the neighborhood would be impacted by the housing development at the corner of Nevada Street and Douglas Boulevard.

Hearing no further public comments, Chair Haggenjos closed the public comment period and Public Hearing.

Commissioner Discussion with Staff

- Chair Haggenjos asked that staff respond to Ms. Wilbourn's comments. Staff stated that, at this time, the applicant is only requesting to subdivide the lot. The exhibit included in the staff report is a conceptual drawing and not a proposed design. Once a design is chosen, it would require two parking spaces per home. Staff also noted that a duplex could be constructed; however, the lot has boundary constraints such as set-back requirements and easement constraints.
- A Commissioner sought to confirm his understanding that approval of the entitlement would only subdivide the lot. He also noted that the lot is zoned R-1, Single-Family Residential, which primarily allows low-density, single-family homes. A multi-family project would not be consistent with the current zoning, and if the applicant wished to pursue such a project, it would need to be reheard by the Planning Commission. Staff confirmed this understanding.

Motion by Commissioner Jensen, seconded by Vice-Chair Brashears, to:

1. Adopt the three (3) findings of fact and approve the Tentative Parcel Map subject to thirty-nine (39) conditions of approval.

Roll call vote:
Ayes: Hagler, Brashers, Unidad, Jensen, Haggenjos
Noes: None

The Motion passed.

VII. STAFF/COMMISSIONER REPORTS

Staff Reports

- There will be an August 28, 2025, Planning Commission meeting.
- There will not be a September 11, 2025, Planning Commission meeting.
- Due to the Council Chambers expansion project, City Council and Planning Commission meetings will be held at 116 Grant Street beginning September 22, 2025.
- At the September 17, 2025, City Council meeting, staff will hold a workshop as part of the application process to renew the City's Pro-housing designation.
- At one of their September meetings, the City Council is scheduled to appoint a Planning Commissioner to fill the current vacancy.
- Commissioner Jensen will resign from the Planning Commission on October 25, 2025, as he will be moving out of state.
- Staff is planning to conduct a Planning Commissioner 101 Training Session early next year.

Commissioner Reports

- None

VIII. ADJOURNMENT

Motion by Commissioner Jensen, seconded by Vice Chair Brashears, to adjourn the meeting. The Motion passed unanimously with a voice vote at 7:02 p.m.

Planning Commission Communication

Meeting Date: 8/28/2025
Item #: VI.1
Item ID: 2025-621

Title: Sierra Vista Specific Plan Parcel DF-40, DF-41, DF-42 - Baseline Marketplace Modification, 5000 Baseline Rd, File # PL25-0246

Contact: Sean Morales 916-774-5282 smorales@roseville.ca.us

REQUEST

The applicant requests a Major Project Permit Modification (Stage 1 & 2) to make modifications to the site plan and design guidelines for the Baseline Marketplace commercial center. The Stage 2 Modifications include approval of detailed architectural elevations to allow the construction of Major Anchor 1 & 2 and one Drive-Thru Restaurant Building. Original MPP (Stage 1 & 2) approval was under file #2013PL-020. A new Tentative Subdivision Map is also requested to create new lots in conjunction with the modified site plan.

Applicant: Jordan Crawford, Kimley Horn
Owner: Julie Margetich, Covenant Real Estate Group

RECOMMENDATION

The Planning Division recommends that the Planning Commission take the following actions:

1. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 1 Modification subject to five (5) conditions of approval; and
2. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 2 Modification subject to five (5) conditions of approval; and
3. Adopt the three (3) findings of fact and approve the Tentative Subdivision Map subject to sixty-one (61) conditions of approval.

Respectfully Submitted,
Sean Morales, Associate Planner

Greg Bitter, Planning Manager

ATTACHMENTS:

1. Staff Report
2. Exhibit A Addendum
3. Exhibit B Design Guidelines
4. Exhibit C Site Plans
5. Exhibit D Tentative Subdivision Map

REVIEWERS:

Lupe Nelson, Development Services Department — Created/Initiated - 8/21/2025

ITEM 6.1: Major Project Permit Stage 1 & 2 Modification, Tentative Subdivision Map – 5000 Baseline Road – SVSP PCL DF-40, DF-41, DF-42 - Baseline Marketplace Modification – File # PL25-0246

REQUEST

The applicant requests a Major Project Permit Modification (Stage 1 & 2) to make modifications to the site plan and design guidelines for the Baseline Marketplace commercial center. The Stage 2 Modifications include approval of detailed architectural elevations to allow the construction of Major Anchor 1 & 2 and one Drive-Thru Restaurant Building. Original MPP (Stage 1 & 2) approval was under file #2013PL-020. A new Tentative Subdivision Map is also requested to create new lots in conjunction with the modified site plan.

Applicant – Jordan Crawford, Kimley Horn
Owner – Julie Margetich, Covenant Real Estate Group

SUMMARY RECOMMENDATION

The Planning Division recommends that the Planning Commission take the following actions:

1. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 1 Modification subject to five (5) conditions of approval; and
2. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 2 Modification subject to five (5) conditions of approval; and
3. Adopt the three (3) findings of fact and approve the Tentative Subdivision Map subject to sixty-one (61) conditions of approval.

SUMMARY OF OUTSTANDING ISSUES

There are no outstanding issues associated with this request.

BACKGROUND

The Sierra Vista Specific Plan (SVSP) was adopted by the City Council on May 5, 2010. The plan area includes 2,064 acres west of Fiddyment Road, north of Baseline Road. The SVSP established the land use and zoning for properties within the plan area. The Specific Plan includes 8,679 single and multi-family units, 259 acres of commercial, 106 acres of park, 304 acres of open space, 56 acres for schools and 40 acres of urban reserve. At build out, the Plan area is expected to accommodate approximately 20,045 residents and provide 9,000 jobs.

In March 2014, the Planning Commission approved a request for a Major Project Permit (2013PL-020 [MPP-000043]) for the construction of Baseline Marketplace, consisting of 745,300 square feet of commercial, restaurant and retail buildings. Additionally, the Commission approved a Tentative Subdivision Map (2013PL-020 [SUB-000174]) for the Baseline Marketplace commercial center, creating 28 commercial parcels, two (2) open space parcels, two (2) roadway parcels and a landscape parcel. The City's Planning Manager approved a six-year extension of the Tentative Map in May 2016. The map was extended in February 2022 subject to DF Properties DA section 4.3.2 and Subdivision Map Act Section 66452.6, which set a threshold for extension based on the developer's construction or improvement of public improvements outside the property boundaries of the tentative map.

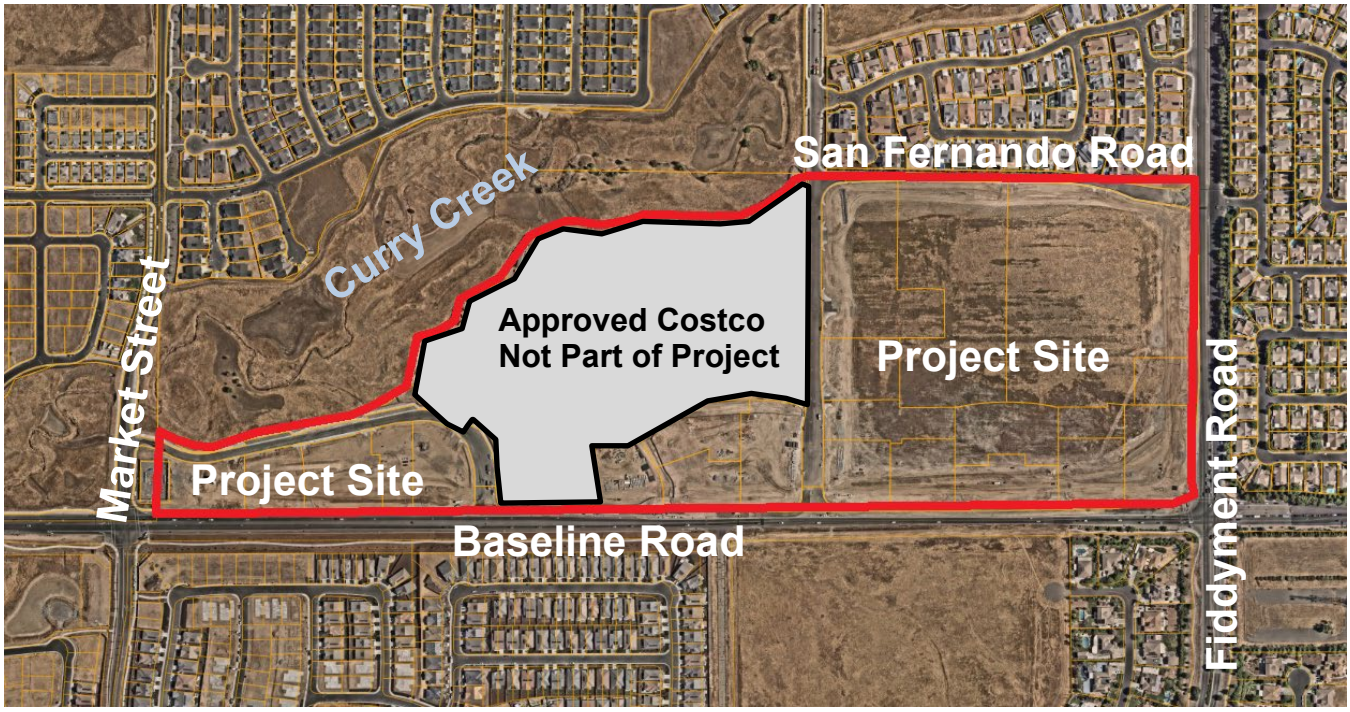
The expiration date of the original Major Project Permit (MPP) was March 13, 2017. The applicant was granted a four-year extension of the MPP, which provided a new expiration date of March 13, 2021. This

date was automatically extended to March 13, 2022 with Ordinance No. 6220, passed by City Council on May 6, 2020. The MPP was later extended to expire in 2026.

On April 17, 2023 the Planning Manager approved a minor modification to the Baseline Marketplace MPP specific to a portion of the project site that was purchased by Costco (File #PL22-0333). The Costco portion of the project is roughly in the center of the Baseline Marketplace development (Figure 1).

The current request is for a MPP Stage 1 Modification, MPP Stage 2 Modification, and Tentative Subdivision Map for the balance of the project site outside of the Costco property. The MPP Stage 1 Modification includes a request to alter the previously approved building footprints while maintaining the same general layout, access, and circulation. The applicant also proposes to modify the Design Guidelines for the shopping center to modernize the architecture and site features from the original 2014 approval. The MPP Stage 2 Modification review includes evaluating the architecture for three buildings within the center and the Tentative Subdivision Map will create parcels that conform to the newly modified building footprints.

Figure 1 – Project Location



SITE INFORMATION

Location: 5000 Baseline Road

Total Size: 79.57 acres

Topography and Setting: The project site is an undeveloped property in an urbanized setting. The Costco portion of the Baseline Marketplace is currently under construction as well as off-site work surrounding the entire property. The site includes frontage on Baseline Road and Fiddyment Road, which are arterial roadways and San Fernando Road, which is a residential roadway. The site is also bisected by Upland Dr., which is a modified collector roadway. The site is generally flat and partially borders Curry Creek on the north side.

EVALUATION: MPP STAGE 1 MODIFICATION

The Baseline Marketplace project was evaluated through the Major Project Permit (MPP) entitlement process. The intent of the MPP process is to streamline the review of large and diverse projects that could be constructed over a period of several years. The MPP process allows for the resolution of site issues prior to the review of more detailed architectural and landscape issues that may not be finalized at the time the site plan is ready. In accordance with the City's MPP Ordinance, the MPP review process is segregated into three separate stages. The evaluation section of this report includes an analysis of the requested MPP Stage 1 Modification and MPP Stage 2 Modification. Each entitlement is analyzed for its consistency with the goals and policies of the applicable regulations, including the General Plan, the Zoning Ordinance, the Community Design Guidelines (CDG), the Sierra Vista Specific Plan (SVSP), and the Baseline marketplace Design Guidelines. Section 19.82.040.C of the City of Roseville Zoning Ordinance specifies that requests for revision or amendment to an approved Major Project Permit that are not considered minor shall be reviewed in the same manner as required for the initial approval of that stage of the project. Thus, recommendations for approval or denial of a Major Project Permit Stage 1 Modification shall include consideration of the following:

1. ***The Preliminary Development Plan is consistent with the General Plan, applicable Specific Plan, and adopted City design guidelines; and***

2. ***The design and installation of the Preliminary Development Plan shall not be detrimental to the public health and safety, or be materially detrimental to the public welfare.***

Site Plan and Building Siting

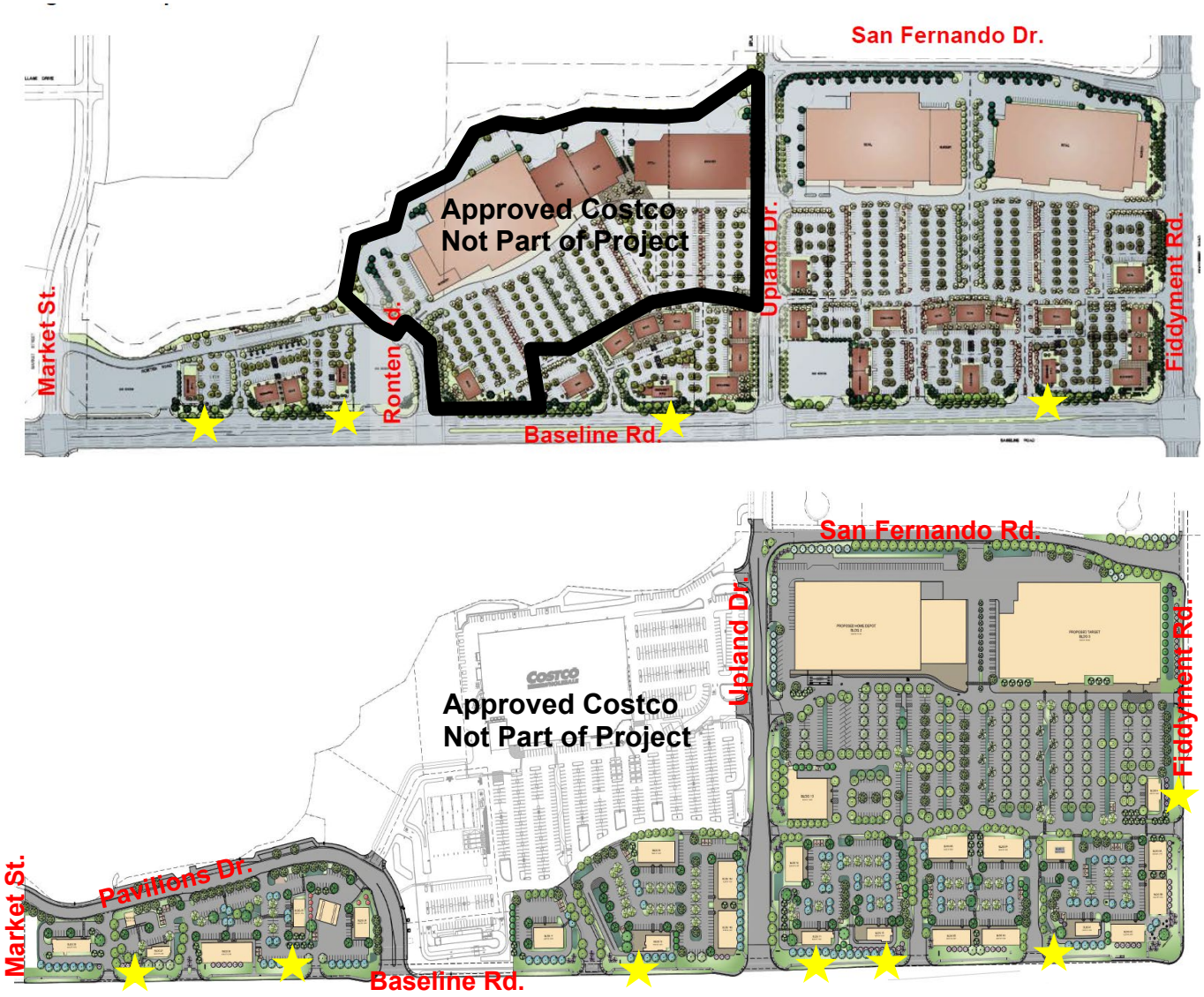
As discussed in the project description, the project will modify the approved site plan by altering the size and configuration of various building footprints (Figure 2). The site plan retains much of the character of the original approval such as the two large format retail buildings located in the northern portion of the site, the pedestrian promenades connecting the large buildings to the smaller buildings to the south, and the cluster of pedestrian oriented shops located at key locations throughout the southern portion of the site.

One of the main differences in the proposed site plan from the original approval is the addition of drive-thru restaurant users. The 2014 approval included four drive-thru restaurants. The current proposal includes seven drive-thru restaurant uses. The applicant cites the changing restaurant dynamic over the last ten years since the original approval including the COVID-19 pandemic, which altered consumer preferences away from indoor dining. The approved and proposed drive-thru restaurant locations are marked on the two site plans below in Figure 2. To compensate for the additional drive-thru restaurants, additional measures were added to the design guidelines related to landscaping and screen walls adjacent to drive-thrus to screen them visually from the public way.

Other changes to the site plan include proposed fueling station locations. The original approval included three fueling stations, which were left as blank parcels on the approved site plan. One fueling station was moved onto the Costco site with that modification approval. The applicant proposes to remove one of the remaining approved fueling stations from the project and retain the station located at the northwest corner of Pavilions Dr. and Baseline Rd. The station on the western border of the project is proposed to be modified to a drive-thru car wash.

As proposed, the entire Baseline Marketplace project including Costco would have a buildout of approximately 560,000 sf, which is 185,000 sf less than the total approved in 2014. This change is due largely to the Costco project, which removed a number of larger footprint buildings on that portion of the site. However, three parcels remain to the west of Costco that could accommodate additional building area in the future with a separate project approval.

Figure 2. Site Plan 2014 (above) and 2025 (below). Drive-thru restaurants shown with a star)



Additional modifications to the site plan include updates consistent with changes to regulations since the original approved. Many of the trash enclosures on-site, especially those servicing restaurants, are now required to provide a third bay for organic waste. Many bioretention planters were also added to the site to facilitate stormwater treatment.

Vehicle and Pedestrian Access and Circulation

Despite changes to the site plan, the general access and circulation pattern for the site will remain the same as approved. The driveway locations remain the same along all road frontages other than two potential driveways at the northeast corner of Baseline Rd. and Upland Dr., which would have served a fueling station, which is no longer in that location. Internal circulation is also similar as the buildings are in similar locations to the original approval.

As proposed, the project continues to provide pedestrian pathways from the existing sidewalk system on surrounding roadways into the site. Likewise, pedestrian access within the site is largely the same. The addition of drive-thru restaurants to the site impedes some pedestrian circulation but the proposal retains pedestrian-centric nodes within the site plan to encourage pedestrian access between buildings.

Parking

The originally approved site plan provided a total of 3,594 parking spaces, which was a 714-space surplus over the 2,880 required by code based on the assumed future uses. The Costco parking was evaluated individually with that approval and provided a surplus of 380 spaces more than the 541 required spaces for a total of 921 spaces. The applicant proposes 2,013 spaces for the rest of the Baseline Marketplace project, which is 280 spaces more than the 1,733 spaces required by code. The overall parking for Baseline Marketplace is shown below in Table 1. With the proposed modifications, the applicant retains a large surplus of parking spaces. Some of these excess spaces will become required spaces in the future if the three parcels to the west of Costco were to develop.

Table 1.

Use	Required Parking	Provided Parking	Surplus Parking
2014 Approval	2,880	3,594	714
2025 Total (Costco plus Current Project)	2,274	2,934	660
Difference	-606	-660	-54

Conclusion

The MPP Stage 1 Modification retains consistency with the General Plan, Specific Plan, Zoning Ordinance, and the Community Design Guidelines. The proposal therefore will not be detrimental to public health or welfare.

EVALUATION: MPP STAGE 2 MODIFICATION

Section 19.82.030.C.2.a of the City of Roseville Zoning Ordinance specifies that recommendations for approval or denial of a Major Project Permit Stage 2 shall include consideration of the following:

1. ***The architecture and landscaping is consistent with the General Plan, applicable specific plan, and adopted City design guidelines; and Phase I approval; and***

2. ***The design shall not be detrimental to the public health and safety, or be materially detrimental to the public welfare.***

Stage 2 of the Major Project Permit includes review of the architectural design and landscape treatments, including review of the Baseline Marketplace Design Guidelines. The project has been evaluated based upon the applicable design standards of the SVSP Design Guidelines and the City's Community Design Guidelines (CDGs). The applicant requests review of modifications to the design guidelines as well as MPP Stage 2 review for three of the buildings on-site. The three buildings receiving detailed MPP Stage 2 review, which includes Home Depot, Target, and Raising Cane's will be evaluated for design review approval and if approved may proceed to building permit submittal. All other buildings in the shopping center that are consistent with the Baseline Marketplace Design Guidelines would receive a staff-level Planning review in the future rather than return to Planning Commission for approval.

Design Guidelines

The original MPP Stage 2 approval included a detailed booklet of design guidelines. The guidelines provide a framework for future development of the project to ensure consistency and quality in the details of future development including architecture, landscape, and lighting. The design guidelines also include some monument signage details. However, the applicant will need approval of a Planned Sign Permit Program at a later date to review detailed signage for the center. The current applicant was not part of

the original project approval and proposes to modify the design guidelines to respond to current design trends as well as modifications to the project.

Architecture: As with the original design guidelines, the current proposal includes a range of building types that will be found throughout the project and how they should be treated architecturally. The guidelines include massing and articulation as well as materials and finishes. In general, the original approval featured earthtone colors and materials with neo-traditional architectural features such as pitched roof forms and classical cornice features. In contrast, the proposed guidelines feature modern color schemes of white, black, and gray with varying accent colors and materials. The building and roof forms are more rectilinear but achieve visual interest through wall plane variation, material variation, and canopies. Representative images from the approved and proposed guidelines are included in Figure 3.

Figure 3. Details from Design Guidelines 2014 (above) and 2025 (below)

Landscape: As with the original approval, the design guidelines contain detailed landscape information. Street trees and accent trees are proposed along all frontages as well as throughout the site. There is emphasis on areas of interest around the site such as the impacts of the PG&E gas line easement on plantings along Baseline Rd. and Fiddyment Rd. Other areas of landscape emphasis are the corner plaza at the northwest corner of Baseline Rd. and Fiddyment Rd., which serves as a visual entrance to the project, and the landscape screening around drive-thru restaurant queuing areas. Detailed landscape plans are included with the design guidelines and site plan exhibits, which provide visual interest, screening of undesirable views, and minimum 50% parking lot shading.

Lighting: There are lighting guidelines in the document to ensure consistency among light standard heights as well as mitigate any impacts to surrounding residences across San Fernando Rd. or Fiddyment Rd.

Architecture – Target

The CDGs require that projects with multiple buildings develop an architectural theme throughout the project. Therefore, the MPP Stage 2 application established the Baseline Marketplace Design Guidelines, which includes a master color and material palette that would be incorporated into future building elevations. The proposed Target building utilizes colors and materials from the design guidelines including shades of white and gray as well as Coronado Stone stacked stone on the front and side elevations. Wall plane and height variation as well as the metal canopy provide a human-scale pedestrian entrance at the front of the building (Figure 4). As discussed in the design guidelines for Major Anchor tenants, the building uses a red accent color unique to the branding of the business while the majority of the colors and material are complementary to buildings in the rest of the center.

Figure 4. Target Architecture

Architecture – Home Depot

Similar to Target, the Home Depot building incorporates colors and materials from the design guidelines while including an accent color specific to the brand. In the case of Home Depot, the orange band around the building provides accent color (Figure 5). The shades of gray paint for the body color and bronze metal canopy match those found in the design guidelines. Coronado Stone is featured on the building elevations surrounding the entry and lumber area as well as on the trellis features. The trellises are used to provide wall plane variation on large expanses of wall and are also complementary to the trellis designs that will be featured at the Costco building within the center. Consistent with the City's Community Design Guidelines, the building features varying wall heights, wall planes, and a tower elements at the entry and corners of the building for visual interest.

Figure 5. Home Depot Architecture

Architecture – Raising Cane's

The Raising Cane's building is a different building type as described in the Baseline Marketplace Design Guidelines. Similar to Major Anchors, Drive-thru Restaurant businesses may feature some branding specific to the tenant but the majority should be complementary to the rest of the center (Figure 6). For Raising Cane's, the red brick is unique to the branding while also being a high-quality accent material. The gray paint scheme and Coronado Stone base will match the rest of the center. The building also features roof and wall plane variation as well as metal canopies consistent with the design guidelines.

Figure 6. Raising Cane's Architecture

Conclusion

In summary, staff finds that the architecture and landscape plans for the three buildings are consistent with the SVSP Design Guidelines, Baseline Marketplace Design Guidelines and the CDG's and will not be detrimental to the public health and safety or welfare, as described in detail above. As proposed and conditioned, the project complies with the required findings for approval. For these reasons, staff recommends approval of the MPP Stage 2 Modification request.

EVALUATION: TENTATIVE SUBDIVISION MAP

Section 18.06.180 of the City of Roseville Subdivision Ordinance requires that three findings be made in order to approve or conditionally approve a tentative subdivision map. The three findings are listed below in ***italicized, bold*** text and are followed by an evaluation of the map in relation to each finding.

1. ***The size, design, character, grading, location, orientation, and configuration of lots, roads, and all improvements for the Tentative Subdivision Map are consistent with the density, uses, circulation, and open space systems, applicable policies and standards of the General Plan or North Roseville Specific Plan, whichever is more restrictive, and the design standards of the Subdivision Ordinance.***

A final subdivision map was approved and recorded for the Baseline Marketplace in 2023. However, the map reflected the site plan as originally approved and included the site plan modifications made by Costco. The applicant proposes a new subdivision map to align with the modifications to the site plan described in the MPP Stage 1 Modification evaluation. The Map Act and Subdivision Ordinance do not contain any maximum or minimum lot sizes. Instead, these standards are contained within the Zoning Ordinance and SVSP. The design of the proposed improvements have been reviewed by relevant City departments and divisions and have been found to conform to City standards.

Consistent with the Zoning Ordinance and SVSP, the proposed subdivision configuration will create practical lots for the development of the project. Vehicle access for the subdivision will be provided from Gibson Drive. The proposed layout was reviewed by Development Services Engineering and Fire Department staff to ensure that the vehicle access design will meet City standards for vehicular circulation and emergency response.

2. ***The subdivision will result in lots which can be used or built upon. The Subdivision will not create lots which are impractical for improvement or use due to the steepness of terrain or location of watercourses in the area; the size or shape of the lots or inadequate building area; inadequate frontage or access, or some other physical condition of the area.***

The proposed lots are of sufficient size and shape to accommodate development that is consistent with the applicable zoning and design requirements. As mentioned above, the lot meets the standards of the Zoning Ordinance and the SVSP. The lots have been determined to be of adequate size and shape to support development consistent with the Zoning Ordinance and the proposed site plan.

The site is vacant but vegetation on the site is sparse with few small trees and shrubs on the property. Topography of the site is generally flat. The site was previously rough graded. A preliminary grading and utility plan were reviewed by the City's Engineering Division and no conflicts with the proposed grading and utility plan have been identified.

3. The design and density of the Subdivision will not violate the existing requirements prescribed by the Regional Water Quality Control Board for the discharge of waste into the sewage system, pursuant to Division 7 of the Water Code.

Anticipated water quality impacts and discharge of waste are not affected by the proposed map. The project is consistent with the 2035 General Plan Update Environmental Impact Report and Sierra Vista Specific Plan Environmental Impact Report, which anticipated the required infrastructure necessary to support a development of this intensity on the project site. The project has been reviewed by the Engineering division to ensure that adequate facilities will be provided. The City's Pleasant Grove Wastewater Treatment Plant has adequate conveyance and capacity to accommodate development on the parcels created by the Tentative Subdivision Map.

As part of the adoption of the 2035 General Plan Environmental Impact Report (GP EIR) and the 2021 Housing Element Addendum (HE Addendum) (combined, the GP EIR and HE Addendum), which analyzed the impacts of full buildout of the City's General Plan land uses and implementation of its policies consistent with the General Plan and the 2021 Housing Element. The proposed map is consistent with the buildout anticipated within the GP EIR and HE Addendum and therefore will not increase planned demands on sewage services; there will be no impacts to the existing requirements established by the Regional Water Quality Control Board.

Based on the evaluation above, staff believes that the required findings can be made to approve the Tentative Subdivision Map for the proposed project.

PUBLIC OUTREACH

The proposed project was distributed to the various agencies and departments which have requested notice of City applications, and all comments were considered and incorporated into the project as appropriate. Notice of the application was also distributed to the Roseville Coalition of Neighborhood Associations. A public notice of the Planning Commission hearing was published on August 15, 2025, and was distributed to all property owners and residents within 300 feet of the project site.

CONCLUSION

As demonstrated by the analyses in the foregoing sections, the proposed project is consistent with the original approval and no change has happened since the original approval that results in the inability to make the findings. Staff requests that the Planning Commission take the actions listed in the Recommendation section of this report.

ENVIRONMENTAL DETERMINATION

Consistent with CEQA Guidelines Section 15164, regarding a previously certified and adopted Environmental Impact Report (EIR), an Addendum to the Sierra Vista Specific Plan EIR (SCH #2008032115, certified May 5, 2010) has been prepared to cover the minor technical changes and additions necessary to describe the impacts of the proposed project. The Addendum did not identify any new environmental impacts from the project.

RECOMMENDATION

The Planning Division recommends the Planning Commission take the following actions:

1. Adopt the two (2) findings of fact as stated in the staff report and approve the **MAJOR PROJECT PERMIT STAGE 1 MODIFICATION – SVSP PCL DF-40, DF-41, DF-42 - BASELINE MARKETPLACE MODIFICATION – FILE #PL25-0246** subject to five (5) conditions of approval.
2. Adopt the two (2) findings of fact as stated in the staff report and approve the **MAJOR PROJECT PERMIT STAGE 2 MODIFICATION – SVSP PCL DF-40, DF-41, DF-42 - BASELINE MARKETPLACE MODIFICATION – FILE #PL25-0246** subject to five (5) conditions of approval.
3. Adopt the two (3) findings of fact as stated in the staff report and approve the **TENTATIVE SUBDIVISION MAP – SVSP PCL DF-40, DF-41, DF-42 - BASELINE MARKETPLACE MODIFICATION – FILE #PL25-0246** subject to sixty-one (61) conditions of approval.

CONDITIONS OF APPROVAL FOR THE MAJOR PROJECT PERMIT STAGE 1 AND STAGE 2 MODIFICATION – FILE #PL25-0246

1. This Major Project Permit Modification approval shall be effectuated within a period of two (2) years from **August 28, 2025** and if not effectuated shall expire on **August 28, 2027**. Prior to said expiration date, the applicant may apply for an extension of time, provided this approval does not extend the expiration beyond **August 28, 2028**. (Planning)

2. The project is approved as shown in **Exhibits A-D** and as conditioned or modified below. (Planning)

3. The project is subject to the previously approved conditions of approval for the Baseline Marketplace, except as conditioned or modified below. (Planning)

4. The project shall comply with all required environmental mitigation identified in the **14th ADDENDUM TO THE SIERRA VISTA SPECIFIC PLAN ENVIRONMENTAL IMPACT REPORT (2025)**. (Planning)

5. Bike parking and electric vehicle parking spaces shall be provided per the California Green Building Standards. Carpool spaces shall also be provided per the City of Roseville's Transportation System Management (TSM) Ordinance, R.M.C Chapter 11.33. Bike rack/locker design and designated parking space markings and location shall be approved by Alternative Transportation. (Alternative Transportation, Building).

CONDITIONS OF APPROVAL FOR THE TENTATIVE SUBDIVISION MAP – FILE #PL25-0246

1. This Tentative Subdivision Map approval shall be effectuated within a period of two (2) years from **August 28, 2025** and if not effectuated shall expire on **August 28, 2027**. Prior to said expiration date, the applicant may apply for an extension of time, provided this approval does not extend the expiration beyond **August 28, 2028**. (Planning)

2. The project is approved as shown in **Exhibits A-D** and as conditioned or modified below. (Planning)

3. The approval of a Tentative Map and/or tentative site plan does not constitute approval of proposed improvements as to size, design, materials, or location, unless specifically addressed in these conditions of approval. (Engineering)

4. The design and construction of all improvements shall conform to the Improvement Standards and Construction Standards of the City of Roseville, or as modified by these conditions of approval, or as directed by the City Engineer. (Engineering)

5. The developer shall not commence with any on-site improvements until such time as grading and/or improvement plans are approved and grading and/or encroachment permits are issued by the Department of Development Services – Engineering Division. (Engineering)

6. The applicant shall pay City's actual costs for providing plan check, mapping, GIS, and inspection services. This may be a combination of staff costs and direct billing for contract professional services. (Engineering, Environmental Utilities, Finance)

7. The project shall comply with all required environmental mitigation identified in the **14th ADDENDUM TO THE SIERRA VISTA SPECIFIC PLAN ENVIRONMENTAL IMPACT REPORT**, and shall include all applicable mitigation measures as notes on the plans. (Planning)

PRIOR TO ISSUANCE OF A GRADING PERMIT AND/OR IMPROVEMENT PLANS

8. The grading and improvement plans shall be designed in accordance with the City's Improvement Standards and Construction Standards and shall reflect the following:

    a) Street improvements including, but not limited to, curb, gutter, sidewalk, pavement, drainage systems, traffic striping, signing, medians and markings, etc. along all existing and proposed City streets, as required by Engineering.

    b) Grading shall comply with the City grading ordinance. There shall be no cut and/or fill slopes steeper than a 4:1 ratio. Erosion control devices (sediment traps, ditches, straw bales, etc.) shall be shown on the grading plans and all erosion control shall be installed prior to the onset of wet weather. Erosion control is installed to minimize silt discharge from the project site; it is the applicant's responsibility to ensure that necessary measures are taken to minimize silt discharge from the site. Modification of the erosion control plan may be warranted during wet weather conditions.

    c) A rough grading permit may be approved by the Engineering Department prior to approval of the improvement plans.

    d) Access to the floodplain shall be provided as required by Engineering and the Streets Department.

    e) Standard accessible ramps shall be installed at all curb returns per City Standards. (Engineering)

9. For all work to be performed off-site, permission to enter and construct shall be obtained from the property owner, in the form of a notarized right-of-entry. Said notarized right-of-entry shall be provided to Engineering prior to approval of any plans. (Engineering)

10. The applicant shall apply for and obtain an encroachment permit from the Engineering Department prior to any work conducted within the City right-of-way and/or City easements. (Engineering)

11. The applicant shall remove and reconstruct any existing damaged curb, gutter, and sidewalk along the property frontage. During site inspection Engineering will designate the exact areas to be reconstructed. (Engineering)

12. All drainage facilities shall conform to natural drainage sheds. (Engineering)

13. The following note shall be added to the Grading and/or Improvement Plans:

To minimize dust/grading impacts during construction the applicant shall:

    a) Spray water on all exposed earth surfaces during clearing, grading, earth moving and other site preparation activities throughout the day.

b) Use tarpaulins or other affective covers on all stockpiled earth material and on all haul trucks.

c) Sweep the adjacent streets frontages at least once a day or as needed to remove silt and other dirt which is evident from construction activities.

d) Ensure that construction vehicles are cleaned prior to leaving the construction site to prevent dust and dirt from being tracked off site.

e) *The City shall have the authority to stop all grading operations if, in the opinion of city staff, inadequate dust control measures are being practiced or excessive wind conditions contribute to fugitive dust emissions. (Engineering)*

14. *A note shall be added to the grading plans that states: *"Prior to the commencement of grading operations, the contractor shall identify the site where the **excess/borrow** earthen material shall be imported/deposited. If the **borrow/deposit** site is within the City of Roseville, the contractor shall produce a report issued by a geotechnical engineer to verify that the exported materials are suitable for the intended fill, and shall show proof of all approved grading plans. Haul routes to be used shall be specified."* (Engineering)

15. The grading plans for the site shall be accompanied with a shed map that defines that area tributary to this site. All drainage facilities shall be designed to accommodate the tributary flow. All on-site storm drainage shall be collected on-site and shall be routed to the nearest existing storm drain stub of the natural drainage course. (Engineering)

16. All storm drainage, including roof drains, shall be collected on site and treated with Best Management Practices (BMP's) per the City's Stormwater Quality Design Manual, which includes trash capture requirements. All storm water shall be routed to the nearest existing storm drain system or natural drainage facility. Drain outfalls shall extend down to the receiving water and shall be constructed with adequate velocity attenuation devices. The grading/improvement plans for the site shall be accompanied with a shed map that defines that area tributary to this site and all drainage facilities shall be designed to accommodate the tributary flow. The storm drain system and proposed BMP's shall be privately owned and maintained by the property owner. Prior to the issuance of any permits, the owner shall enter into a maintenance agreement with the City for the maintenance of the proposed BMP's. (Engineering)

17. The grading plans shall be accompanied with engineered structural calculations for all retaining walls greater than four (4) feet in height. All retaining walls shall be of either split-faced masonry units, keystone type construction, or cast in place concrete with fascia treatment. (Engineering)

18. The developer shall be responsible for any necessary relocation of signal interconnect cables that may require re-location as a result of the construction of turn lanes and/or driveways. (Engineering)

19. Sight distances for all driveways shall be clearly shown on the improvement plans to verify that minimum standards are achieved. It will be the responsibility of the project proponent to provide appropriate landscaping and improvement plans, and to relocate and/or modify existing facilities as needed to meet these design objectives. (Engineering)

20. Prior to construction within any phase of the project, high visibility temporary construction fencing shall be installed along the parcel adjacent to the Preserve. Fencing shall be maintained daily until permanent fencing is installed, at which time the temporary fencing shall be removed from the project site, along with all temporary erosion control measures (e.g., straw bales, straw waddles and stakes, silt fencing). (Engineering, Development Services, Planning)

21. Improvement plans shall show the Preserve boundary and label it as a protected area. The Pre-Construction meeting shall address the presence of the Preserve, the sensitive habitats present and

minimization of disturbance to the Preserve. During grading and construction the preserve area shall be avoided and shall not be used for parking, storage, or project staging. The contractor shall remove all trash blown into the preserve from adjacent construction on a daily basis. (Engineering, Development Services, Planning)

22. With the exception of access required for maintenance and/or emergency vehicles, the project shall be designed to prevent vehicle access into the Preserve. Post and cable fencing or other improvements shall be utilized to meet this requirement. (Engineering, Development Services, Planning)

23. Landscaping adjacent to the Preserve shall be California native, drought-tolerant groundcover, shrubs, plants, and trees. (Development Services, Planning)

24. Prior to the approval of the improvement plans, it will be the project proponent's responsibility to pay the standard City Trench Cut Recovery Fee for any cuts within the City streets that are required for the installation of underground utilities. (Engineering)

25. **Prior to the approval of the Improvement Plans**, the project proponent shall prepare and submit a Storm Water Pollution Prevention Plan (SWPPP) to the City, as defined by the Regional Water Quality Control Board. The SWPPP shall be submitted in a single three ring binder. Upon approval, the SWPPP will be returned to the project proponent during the pre-construction meeting. (Engineering)

PRIOR TO ISSUANCE OF GRADING PERMIT OR IMPROVEMENT PLANS

26. Prior to the approval of Improvement Plans, the applicant shall submit to ~~the~~ Development Services-Engineering Division ~~of Public Works~~ a paper copy and an electronic copy of the final set of Improvement Plans per the Division's "Digital Submission of Utility Composites" standards. Additionally, the applicant shall submit approved/proposed street names for the approved subdivision map. Final street names for the subdivision shall be approved by the Engineering Division prior to the approval of the Improvement Plans. The approved street names shall be included on the final set of Improvement Plans. (Engineering)

27. Water and sewer infrastructure shall be designed and constructed pursuant to the adopted City of Roseville Improvement Standards and Construction Standards and shall reflect the following:

    a) Sewer and water service laterals shall not be allowed off of water and sewer mains larger than 12 inches in diameter.

    b) Utilities or permanent structures shall not be located within the area which would be disturbed by an open trench needed to expose sewer trunk mains deeper than 12 feet unless approved by Environmental Utilities in these conditions. The area needed to construct the trench is a sloped cone above the sewer main. The cone shall have 1:1 side slopes.

    c) Water and sewer mains shall not exceed a depth of 12 feet below finished grade, unless authorized in these conditions

    d) All sewer manholes shall have all-weather, 10-ton vehicular access unless authorized by these conditions. (Environmental Utilities)

28. Recycled water infrastructure shall be designed pursuant to the adopted City of Roseville Improvement Standards and the City of Roseville Construction Standards. The applicant shall pay all applicable recycled water fees. Easements shall be provided as necessary for recycled water infrastructure. (Environmental Utilities

29. Fire hydrants shall be located as required by the Fire Department. The maximum distance between fire hydrants shall not exceed 1,000 feet on center. (Fire)

30. Minimum fire flow is 1,500 gallons per minute with 20 pounds per square inch residual pressure. A change in any of the conditions may increase the required fire flow. (Fire)

31. There shall be two points of access for all phasing plans. (Fire)

32. Testing of all fire systems shall be performed prior to the sales office being opened for business. (Fire)

33. Framing construction cannot commerce until access roads and public fire hydrants are approved by the Fire Department. (Fire)

34. If this project will be phased, the fire department requirements for access and circulation throughout shall be reviewed and approved by the Fire Department. Access roads shall comply with the California Fire Code and the City of Roseville's Amendments. (Fire)

35. Any facilities proposed for placement within public/electric utility easements shall be subject to review and approval by the Electric Department before any work commences in these areas. This includes, but is not limited to, landscaping, lighting, paving, signs, trees, walls, and structures of any type. (Electric)

36. The design for electrical service for this project will begin when the Electric Department has received a full set of improvement plans for the project. (Electric)

37. All landscaping in areas containing electrical service equipment shall conform to the "Electric Department Landscape Design Requirements" as outlined in Section 10.00 of the Electric Department's "Specifications for Commercial Construction." (Electric)

38. The Electric Department requires the submittal of the following information in order to complete the final electric design for the project:

    a) one (1) set of improvement plans

    b) load calculations

    c) electrical panel one-line drawings

39. The location and design of the gas service shall be determined by PG&E. The design of gas service for this project shall not begin until PG&E has received a full set of City approved improvement plans for the project. (PG&E)

40. It is the developer's responsibility to notify PG&E of any work required on PG&E facilities. (PG&E)

PRIOR TO OR UPON RECORDATION OF FINAL MAP

41. The following easements shall be provided and shown on the Final/Parcel Map or by separate instrument, unless otherwise provided for in these conditions:

    a) Water, sewer, and recycled water easements;

    Easement widths shall comply with the City's Improvement Standards and Construction Standards. The easement documents shall be drafted for approval and acceptance by the City of Roseville and recorded at the Placer County Recorder's Office. (Alternative Transportation, Environmental Utilities, Electric, Engineering)

42. All existing easements shall be maintained, unless otherwise provided for in these conditions. (Environmental Utilities, Electric, Engineering)

43. Separate document easements required by the City shall be prepared in accordance with the City's "Policy for Dedication of Easements to the City of Roseville." All legal descriptions shall be prepared by a licensed Land Surveyor (Environmental Utilities, Electric, Engineering)

44. A declaration of Conditions, Covenants and Restrictions (CC&Rs), in a form approved by the City Attorney, shall be recorded on the entire property concurrently with the Final/Parcel Map. The CC&Rs shall include the following item(s):

    a) A clause stating that the property owners within this subdivision shall agree to participate in a Transportation Systems Management (TSM) Plan and shall agree to enter into a Transportation Management Agreement with the City of Roseville.

    b) A clause prohibiting the amendment, revision or deletion of any sections in the CC&Rs required by these conditions of approval without the prior written consent of the City Attorney.

    c) A clause excluding any property owned by the City from the terms of the CC&Rs. (Attorney)

45. The City shall not approve the Final Map for recordation until either:

    a) A subdivision agreement is entered into along with the necessary bonds and insurance as required by the City. Said agreement shall be in a form acceptable to the City Attorney.

OR

    b) The improvement plans are approved, and the improvements are constructed and accepted as complete. In this case, the subdivider shall enter into a one-year maintenance agreement concurrent with the recordation of the Final Map. (Engineering)

46. In the event that the Final (Parcel) Map will record prior to the completion of on-site construction, all utility and access easements shall be placed on the face of the Map to the satisfaction of the City Engineer. If all on-site improvements are complete prior to the recordation of the map, then a separate agreement allowing all parcels/lots the rights of reciprocal access, rights to construct, and parking shall be submitted to the City as a part of final/parcel map submittal. Said agreement shall be in a form acceptable to the City Attorney and referenced on the face of the recorded map. (Engineering)

47. The Final/Parcel Map shall include an irrevocable offer to dedicate public rights-of-way and public and/or private easements as required by the City. (Engineering)

48. The words "traffic control appurtenances" shall be included in the list of utilities allowed in public utilities easements (PUEs) located along public roadways. (Engineering)

49. The Final/Parcel Map shall be submitted per "The Digital Submittal of Cadastral Surveys." A plot or print of the submittal shall accompany the electronic copy. The complete submittal shall occur after the Engineering Department approval but prior to City Council approval of the Final/Parcel Map. (Engineering)

50. The cost of any facilities, which are identified in the Capital Improvement Program and are beyond those needed for this project, may be reimbursed to the developer. In accordance with §66485 and §66486 of the Subdivision Map Act, for any improvements constructed by the subdivider which contain supplemental size, capacity, number, or length for the benefit of property not within the subdivision and which are to be dedicated to the public, the subdivider shall be entitled to reimbursement for that portion

of the cost of the improvements which is in excess of the construction required for the subdivision. (Engineering)

51. Electric construction costs incurred by the City of Roseville Electric Department for this project shall be paid for by the developer per the applicable policy. (Electric)

52. Additional internal easements will be required to cover primary electrical facilities to the project when the final electrical design is completed. (Electric)

53. All Electric Department facilities, including streetlights where applicable, shall be designed and built to the "City of Roseville Specifications for Commercial Construction." (Electric)

54. The City of Roseville Electric Department has electrical construction charges which are to be paid by the developer and which are explained in the City of Roseville "Specification for Commercial Construction." These charges will be determined upon completion of the final electrical design. (Electric)

55. The Environmental Utilities Department shall make a determination that there is adequate conveyance and treatment capacity in the City sewer system to handle the newly created Lot/Parcels. (Environmental Utilities)

56. The applicant shall pay all applicable water and sewer fees. (Environmental Utilities)

OTHER CONDITIONS OF APPROVAL

57. Any relocation, rearrangement, or change to existing electric facilities due to this development shall be at the developer's expense. (Electric)

58. It is the responsibility of the developer to ensure all existing electric facilities remain free and clear of any obstructions during construction and when the project is complete. (Electric)

59. Existing public facilities damaged during the course of construction shall be repaired by the applicant, at the applicant's expense, to the satisfaction of the City. (Engineering)

60. The project is subject to the noise standards established in the City's Noise Ordinance. In accordance with the City's Noise Ordinance, provided all construction equipment is fitted with factory installed muffling devices and is maintained in good working order, project construction noise is exempt between the hours of seven a.m. and seven p.m. Monday through Friday, and between the hours of eight a.m. and eight p.m. Saturday and Sunday. (Engineering)

61. If site survey or earthmoving work results in the discovery of hazardous materials in containers or what appears to be hazardous wastes released into the ground, the contractor shall notify the Roseville Fire Department immediately. A representative from the Fire Department will make a determination as to whether the incident is reportable or not and if site remediation is required. Non-emergency releases or notifications about the presence of containers found shall be reported to the Fire Department. (Fire)

Exhibits

A. 14th Addendum to the SVSP EIR
B. Baseline Marketplace Design Guidelines
C. Site Plans
D. Tentative Subdivision Map

Note to Applicant and/or Developer: Please contact the Planning Division staff at (916) 774-5276 prior to the Commission meeting if you have any questions on any of the recommended conditions for your project. If you challenge the decision of the Commission in court, you

may be limited to raising only those issues which you or someone else raised at the public hearing held for this project, or in written correspondence delivered to the Planning Manager at, or prior to, the public hearing.

CITY OF ROSEVILLE CALIFORNIA

DEVELOPMENT SERVICES DEPARTMENT–PLANNING DIVISION

311 Vernon St, Roseville, CA 95678 (916) 774-5276

14th ADDENDUM TO THE SIERRA VISTA SPECIFIC PLAN ENVIRONMENTAL IMPACT REPORT (SCH #2008032115, ADOPTED ON MAY 5, 2010)

Project Title/File Number:	Baseline Marketplace Modification; File #PL25-0246
Project Location:	5000 Baseline Rd., Roseville, Placer County, CA 95747
Project Description:	The applicant requests a minor modification of the Major Project Permit (MPP) Stage 1 and Stage 2 approvals to make minor modifications to the site plan, elevations and design guidelines for the Baseline Marketplace commercial center. Original MPP approval was under file #2013PL-020. A new Tentative Subdivision Map is also requested to create new lots in conjunction with the modified site plan.
Project Applicant:	Jordan Crawford, Kimley-Horn
Property Owner:	Jeff Ronten**,** D.F. Properties, Inc.
Lead Agency Contact:	Sean Morales, Associate Planner, (916) 774-5282

An Addendum to a previously certified and adopted negative declaration or environmental impact report may be prepared for a project if only minor technical changes or additions are necessary or none of the conditions calling for the preparation of a subsequent EIR or negative declaration have occurred (California Environmental Quality Act Guidelines [CEQA] Section 15164). Consistent with CEQA Guidelines Section 15164, the below analysis demonstrates that none of the conditions described in Sections 15162 or 15163 of the CEQA Guidelines calling for preparation of a subsequent or supplemental EIR have occurred and that no more than minor technical changes or additions to the certified Sierra Vista Specific Plan EIR are necessary in order to describe the impacts of the proposed project. CEQA Guidelines Section 15164 also states that an addendum need not be circulated for public review, but can be included in or attached to the final EIR for consideration by the hearing body. This Addendum focuses only on those aspects of the project or its impacts which require additional discussion.

Table of Contents

Project Description **3**

Purpose and Scope of Addendum **5**

Initial Study Checklist

I.	Aesthetics	**11**
II.	Agricultural & Forestry Resources	**13**
III.	Air Quality	**14**
IV.	Biological Resources	**16**
V.	Cultural Resources	**18**
VI.	Energy	**20**
VII.	Geology and Soils	**21**
VIII.	Greenhouse Gases	**23**
IX.	Hazards and Hazardous Materials	**25**
X.	Hydrology and Water Quality	**28**
XI.	Land Use and Planning	**30**
XII.	Mineral Resources	**31**
XIII.	Noise	**32**
XIV.	Population and Housing	**34**
XV.	Public Services	**35**
XVI.	Recreation	**36**
XVII.	Transportation	**37**
XVIII.	Tribal Cultural Resources	**41**
XIX.	Utilities and Service Systems	**43**
XX.	Wildfire	**45**
XXI.	Mandatory Findings of Significance	**46**

Environmental Determination **48**

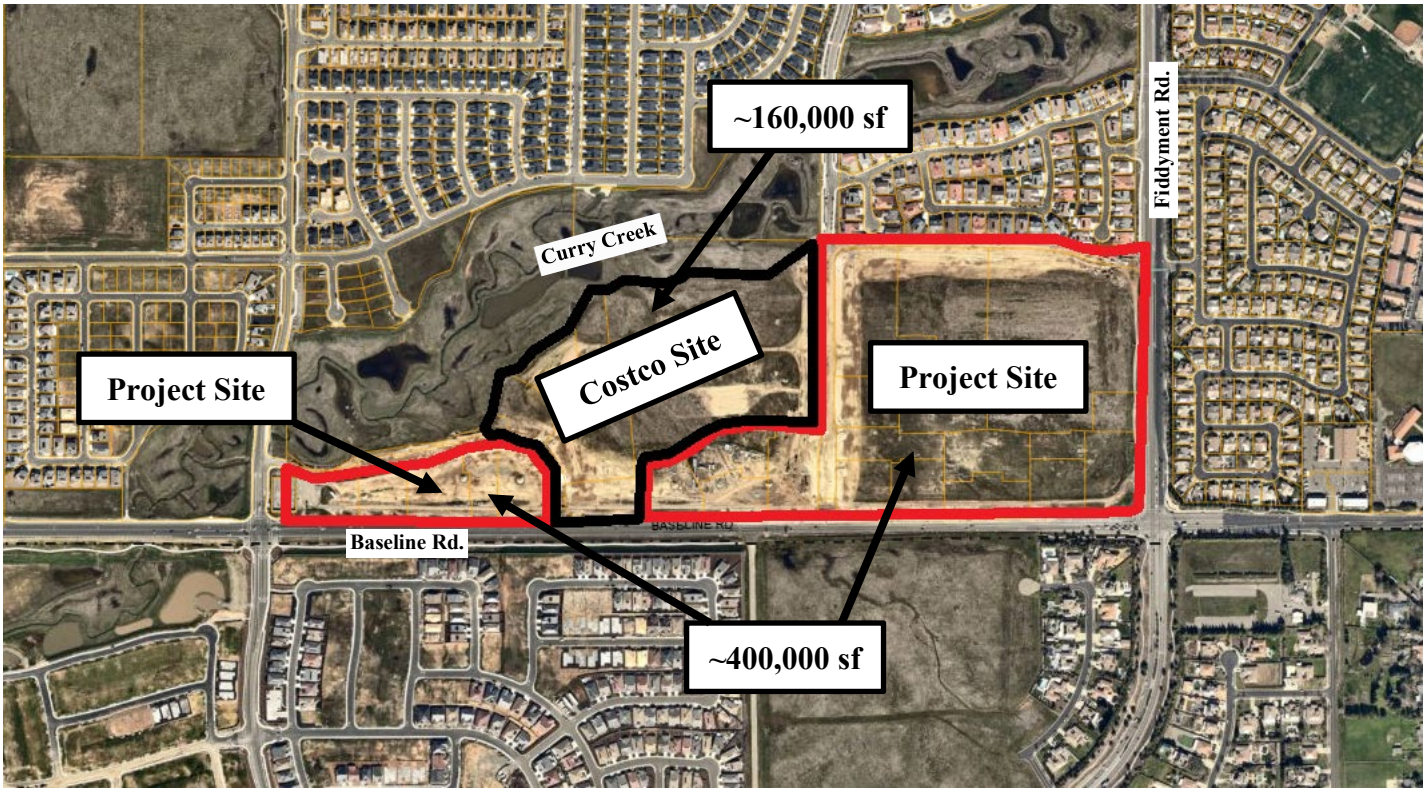
Attachments **49**

PROJECT DESCRIPTION

Project Location

The project address is 5200 Baseline Road, within the southern portion of the Sierra Vista Specific Plan (SVSP), south of Curry Creek, east of Market Street, west of Fiddyment Road, and north of Baseline Road (see Figure 1).

Figure 1: Project Location (parcel bordered in red)



Background

The project site is identified as parcels “DF-40, DF-41, and DF-42” within the Sierra Vista Specific Plan (SVSP). The SVSP was adopted on May 5, 2010 and includes 2,064 acres west of Fiddyment Road and north of Baseline Road. The SVSP consists of a mix of land uses, including three large parcels (DF-40, DF-41, and DF-42) designated for Community Commercial land use at the northwest corner of Baseline Road and Fiddyment Road. The SVSP permits this corner to be developed with large format commercial uses as shown in figure B-28 of the SVSP, which provides a concept design for a commercial center with up to 1.4 million square feet of development. Prior to taking action on the SVSP, the City adopted Resolution 10-160 certifying an Environmental Impact Report (EIR) and adopting a Mitigation Monitoring Program, collectively analyzing, and reducing to the extent feasible, impacts associated with development that would occur pursuant to the SVSP. Additionally, Development Agreements with the property owners of the SVSP parcels and the City were entered into to outline development obligations within the SVSP.

On March 13, 2014, the Planning Commission approved a Major Project Permit for the Baseline Marketplace project, which allowed the construction of 745,300 square feet of commercial, restaurant, and retail buildings across DF-40, DF-41, and DF-42. On April 17, 2023, a modification to the Baseline Marketplace project was approved to review the site plan and building elevations for an approximately 160,873 square-foot Costco

warehouse along with a fuel facility and car wash on the northern portion of DF-41. An Addendum to the SVSP EIR was approved for that project. The current project is a minor modification to the Major Project Permit to review the site plan and building elevations for the balance of the project not owned and operated by Costco (see Figure 2). The overall scale of development proposed is consistent with what was anticipated in both the SVSP and the approved Baseline Marketplace project, including commercial uses, the size of the buildings, and the project layout, featuring large buildings in the northern portion of the site, parking fields in the center, and smaller buildings in the southern portion of the site adjacent to Baseline Road. The minor modifications proposed include the addition of drive-thru uses and the minor modification of building footprints.

Location	Zoning	General Plan Land Use	Actual Use of Property
Site	General Commercial	Community Commercial	Leveled and graded, undeveloped
North	Open Space	Open Space	Curry Creek and surrounding open space
North	Single-Family	Low-Density Residential	JM-21 Low-Density Subdivision constructed
South	SPL-PVSP	Placer Vineyards Specific Plan (in Placer County)	Residential subdivision under construction
East	Single-Family	Low-Density Residential	WW-3 Low-Density Subdivision constructed
West	Open Space	Open Space	Leveled and graded, undeveloped

Environmental Setting

The project site was rough-graded and has been annually maintained, and is therefore dominated by relatively flat topography and is devoid of trees, wetlands, or other natural features. The site is primarily populated by non-native annual grasses, and aerial photography shows evidence of ground disturbance, including areas of bare ground and furrows from discing on the property. There are no structures on the property. No native oak trees or other trees are present on the subject parcels. Curry Creek is north of the project boundary within a designated Open Space preserve. The Open Space preserve includes the entirety of Curry Creek and its floodplain, including a minimum 50-foot buffer between any wetland or riparian resources and the boundary of the Open Space parcel. Single-family subdivisions are currently under development beyond Curry Creek to the north.

The project site is bordered by Baseline Road to the south, which is currently a two-lane road but is designated for expansion to six lanes with full buildout of the SVSP area. Subdivisions within unincorporated Placer County are under construction to the south of the project site beyond Baseline Road. The site is bordered on the east and west by Fiddyment Road and Market Street, respectively. The site will be served by utilities within Baseline Road as well as the extension of Upland Drive and Pavilion Drive and connect to Baseline Road. There are existing overhead power lines that traverse the southern boundary of the site.

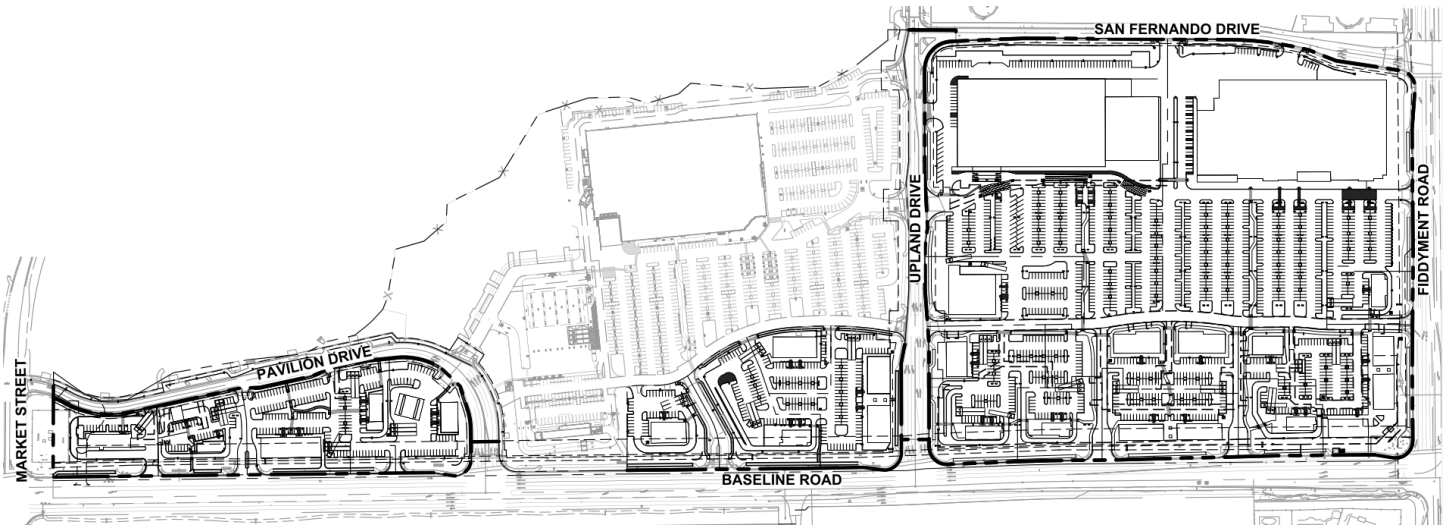
Proposed Project

The proposed project is a request for minor modifications to the approved site plan and building elevations for the Baseline Marketplace for construction of approximately 400,000 sf of various retail and restaurant buildings within the balance of the project not owned by Costco. This brings the total building area for the Baseline Marketplace project to approximately 560,000 sf including the current project and previously approved Costco portion. A new tentative subdivision map is also requested to make modifications to the existing parcels throughout the site:

A. Major Project Permit (MPP) Modification – The Sierra Vista Specific Plan was adopted in 2010 and anticipated a large commercial development on parcels DF-40, -41, and -42 in the southeast corner of the plan area. The Major Project Permit for the Baseline Marketplace commercial project, approved in 2014, is consistent with the assumptions in the SVSP. The current proposal is for a minor modification to the non-Costco portions of the baseline Marketplace for modifications to the site plan and design guidelines (Figure 2).

B. Tentative Subdivision Map – Resubdivide the existing 24 parcels in the project area and create 22 new parcels that conform to the proposed site modifications.

Figure 2. Site Plan



PURPOSE AND SCOPE OF ADDENDUM

This Addendum has been prepared to identify and assess the anticipated environmental impacts of the above-described project. The document relies on previous environmental documents and site-specific studies prepared to address in detail the effects or impacts associated with the project as well as updated technical analyses, prepared by qualified consultants. This document has been prepared to satisfy the California Environmental Quality Act (CEQA), (Public Resources Code, Section 21000 et seq.) and the State CEQA Guidelines (14 CCR 15000 et seq.). CEQA requires that all state and local government agencies consider the environmental consequences of projects over which they have discretionary authority before acting on those projects.

Where, as here, an EIR addressing an earlier version of the project has been previously prepared and certified, the lead agency considers the relevance of that prior EIR in light of the current modified version of the project and changed circumstances since the time of the preparation of the prior EIR. Pursuant to CEQA Guidelines §15162–15163, if the lead agency determines, based on substantial evidence, that new information of substantial importance, or changes to the project or surrounding circumstances will require major revisions to the previous EIR due either to a new significant effect or a substantial increase in the severity of a previously identified significant effect on the environment, the lead agency is required to prepare a Subsequent EIR or an EIR Supplement to analyze the project at hand. Pursuant to CEQA Guidelines §15164, if the agency finds no basis for requiring the preparation of either a Subsequent EIR or an EIR Supplement, but some changes or additions are necessary, an Addendum shall be prepared.

The Sierra Vista Specific Plan Environmental Impact Report (SVSP EIR) was certified by City Council on May 5, 2010 (State Clearinghouse Number 2008032115). The document analyzed the impacts that would occur as a result of development of the SVSP area, including a 1.4 million square-foot anchor commercial center on the

project site and adjacent parcels. A copy of the SVSP EIR is available for review online at www.roseville.ca.us/planning under Specific Plans and then the Sierra Vista Specific Plan page. The City Council adopted Findings of Fact and a Statement of Overriding Considerations when it certified the SVSP EIR. The EIR identified the following impacts associated with development of the SVSP area, including the buildout of the project area, as significant and unavoidable:

- Conversion of agricultural land to developed uses
- Inducement of substantial population growth
- Increased traffic on City of Roseville roadways
- Increased traffic on State Highways, including Interstate 80
- Increased traffic on Placer County roadways
- Increased emissions of fugitive dust and PM10 from grading and trenching activities (short term)
- Increased emissions of ozone precursors during construction (short-term)
- Increased emissions of air pollutants during operation
- Loss of oak trees of greater than 6 inches diameter breast height (dbh) (short-term)
- Removal of historically significant properties and/or loss of historic integrity of such resources
- Increased demand for solid waste services at the Western Regional Sanitary Landfill
- Increased demand for solid waste services at the Materials Recovery Facility (MRF)
- Construction debris demand for solid waste services
- Alteration of the visual character of the site and vicinity
- New sources of light and glare

For build out of the SVSP project area, the SVSP EIR also identified the following cumulative impacts as significant and unavoidable:

- Agricultural land conversion
- Air pollutant emissions from construction
- Air pollutant emissions from operation
- Contribution to greenhouse gas emissions/global warming
- On-site noise levels that exceed City standards
- Off-site noise levels that exceed City standards
- Traffic impacts to Roseville, Placer County, Sacramento County, Sutter County and State facilities
- Increased demand for water
- Increased demand for recycled water distribution system
- Increased generation of solid waste
- Change in visual character

The analyses below rely on the EIR analysis with minor supplements or technical updates where appropriate. The project impacts remain within the scope of the impacts of the SVSP EIR, because the proposed project is of the scale, type, and form of commercial development anticipated within the SVSP EIR for the project site. The SVSP EIR anticipated up to 1.4 million square feet of commercial development on Specific Plan Parcels DF-40, DF-41, and DF-42, which results in a Floor Area Ratio of approximately 0.4. The Floor Area Ratio is a measure of development intensity and represents the density and bulk of developed buildings. A Floor Area Ratio of 0.4 means that 40% of a given area would be developed with buildings while the remainder is developed with parking, drive aisles, and other supporting development. The proposed Baseline Marketplace project will span all three large lot parcels. The approved Baseline Marketplace development included approximately 750,000 square feet of retail, which results in a 0.2 FAR. In other words, the entirety of the originally approved Baseline Marketplace project across Specific Plan Parcels DF-40, DF-41, and DF-42 would only develop at approximately half of the intensity analyzed within the SVSP EIR. The approved Costco warehouse, fueling station, and car wash, which is approximately 160,000 square feet of enclosed buildings across 927,035 square feet of land results in a 0.17 FAR, which is within the 0.2 FAR already approved for the Baseline Marketplace development.

Similarly, the current project, which includes the remaining portions of the Baseline Marketplace Project, proposes 398,226 sf of development on 2,244,211 sf of land, which results in a .18 FAR. Accordingly, the project development intensity is less than what was previously evaluated as it relates to the project site within the Specific Plan as part of the SVSP EIR, and therefore impacts associated with modifying the approved Baseline Marketplace project would not result in new or more severe environmental effects than were already analyzed in the SVSP EIR.

Impacts to physical resources (such as agricultural land, biological resources, etc.) are based on the grading and development of a site, not on the arrangement or use of buildings within the site. The entire project site was anticipated to be graded and fully developed with commercial uses within the SVSP EIR. For other types of impacts which are affected by size and use of buildings, such as air quality, minor technical updates have been provided, where necessary. The Environmental Checklist section, below, provides minor supplements or technical updates where appropriate, to demonstrate that the project remains within the scope of the impacts previously analyzed in the EIR.

ENVIRONMENTAL CHECKLIST FOR ADDENDUM ENVIRONMENTAL REVIEW

The purpose of this checklist is to evaluate the categories in terms of any "changed condition" (i.e. changed circumstances, project changes, or new information of substantial importance) that may result in a changed environmental result. A "no" answer does not necessarily mean there are no potential impacts relative to the environmental category, but that there is no change in the condition or status of the impact since it was analyzed and addressed in prior environmental documents.

EXPLANATION OF CHECKLIST EVALUATION CATEGORIES

Where Impact was Analyzed
This column provides a cross-reference to the pages of the prior environmental documents where information and analysis may be found relative to the environmental issue listed under each topic.

Do Proposed Changes Involve New Significant Impacts?
Pursuant to Section 15162(a)(1) of the CEQA Guidelines, this column indicates whether the changes represented by the current project will result in new significant impacts that have not already been considered and mitigated by the prior environmental review documents and related approvals, or will result in a substantial increase in the severity of a previously identified impact.

Any new Circumstances Involving New Impacts?
Pursuant to Section 15162(a)(2) of the CEQA Guidelines, this column indicates whether there have been changes to the project site or the vicinity (circumstances under which the project is undertaken) which have occurred subsequent to the certification or adoption of prior environmental documents, which would result in the current project having new significant environmental impacts that were not considered in the prior environmental documents or that substantially increase the severity of a previously identified impact.

Any new Information Requiring New Analysis or Verification?
Pursuant to Section 15162(a)(3)(A–D) of the CEQA Guidelines, this column indicates whether new information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental documents were certified or adopted is available requiring an update to the analysis of the previous environmental documents to verify that the environmental conclusions and mitigation measures remain valid. Either "yes" or "no" will be answered to indicate whether there is new information showing that: (A) the project will have one or more significant effects not discussed in the prior environmental documents; (B) that significant effects previously examined will be substantially more severe than shown in the prior environmental documents; (C) that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or (D) that mitigation

measures or alternatives which are considerably different from those analyzed in the prior environmental documents would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative. If "no," then no additional environmental documentation (supplemental or subsequent EIR) is required.

Mitigation Measures Implemented or Addressing Impacts
Pursuant to Section 15162(a)(3) of the CEQA Guidelines, this column indicates whether the prior environmental documents provide mitigation measures to address effects in the related impact category. In some cases, the mitigation measures have already been implemented. A "yes" response will be provided in any instance where mitigation was included, regardless of whether the mitigation has been completed at this time. If "none" is indicated, this environmental analysis concludes a significant impact does not occur with this project, no mitigation was previously included, and no mitigation is needed.

DISCUSSION AND MITIGATION SECTIONS

Discussion
A discussion of the elements of the checklist is provided under each environmental category in order to clarify the answers. The discussion provides information about the particular environmental issue, how the project relates to the issue and the status of any mitigation that may be required or has already been implemented.

Mitigation Measures
Applicable mitigation measures from the prior environmental review that apply to the project are listed under each environmental category.

Conclusions
A discussion of the conclusion relating to the analysis contained in each section.

OTHER CONSIDERATIONS

Since the publication of the SVSP EIR, the Office of Planning and Research (OPR) has updated CEQA Guidelines Appendix G (Environmental Checklist Form). These updates address legislative changes to CEQA, clarify language, and update language consistent with case law. None of the changes to the checklist require new analysis related to impacts which were not known or which could not have been known at the time the SVSP EIR was prepared. The majority of the checklist changes clarified language, reorganized existing language, or eliminated analysis requirements. For analysis requirements which have been eliminated, this is in response to

case law affirming that analysis must focus on impacts caused by the project, not impacts to the project. An example of each of these types of changes is included below:

- Cultural Resources (a): Cause a substantial adverse change in the significance of an historic resource ~~as defined in~~ pursuant to Section 15064.5?

  The replacement of "as defined in" with "pursuant to" is a phrasing change which has no impact on required analysis.

- Cultural Resources (c) has been moved to Geology and Soils (f).

  Moving the topical section of this analysis requirement (which is related to paleontological resources) from Cultural Resources to Geology and Soils has no impact on required analysis.

- Noise (b): ~~Exposure of persons to or~~ Generation of excessive ground borne vibration of ground borne noise levels?

  The above changes redirect the analysis from considering overall exposure of persons to ground borne vibration, and focus the analysis on any ground borne vibration generated by a project. This same change is reflected in all other checklist questions related to noise. Therefore, the EIR included more analysis than is currently required, because they included analysis related to exposing neighboring areas to noise, but also analyzed the effect of noise on the proposed uses; the latter analysis is no longer required.

The updated CEQA Guidelines Appendix G also includes three new sections (Tribal Cultural Resources, Energy, and Wildfire) and includes new and modified requirements as part of the Transportation/Traffic section. Although the Tribal Cultural Resources *section* is new, the analysis of this impact area was included in the SVSP EIR as part of the Cultural Resources section. The new Energy section was formerly included in CEQA Guidelines Appendix F, but has been moved into the Appendix G, so while it is new to the checklist, it is not new to the CEQA Guidelines. In regards to Wildfire, the California Department of Forestry and Fire Protection (CAL FIRE) is the state agency responsible for wildland fire protection and management. As part of that task, CAL FIRE maintains maps designating Wildland Fire Hazard Severity zones. The City is not located within a Very High Fire Hazard Severity Zone, and is not in a CAL FIRE responsibility area; fire suppression is entirely within local responsibility. Therefore, the Wildfire section does not apply because the project site is not within a Very High Fire Hazard Severity Zone and is not in a CAL FIRE responsibility area.

The changes to the Transportation/Traffic section—which is now called simply Transportation—refocuses the analysis on vehicle miles traveled (VMT). Pursuant to Senate Bill 743, the Natural Resources Agency promulgated CEQA Guidelines section 15064.3 in late 2018. It became effective in early 2019. Subdivision (a) of that section provides that "…vehicle miles traveled is the most appropriate measure of transportation impacts. For the purposes of this section, 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project..." Section 15064.3(c) states that the section applies prospectively and did not require lead agencies to undertake VMT analysis until July 1, 2020. Even as of that date, the VMT requirement only applied to projects for which draft EIRs (or negative declarations) had not yet been issued. An addendum is considered together with a certified Final EIR (CEQA Guidelines, § 15164 (d)) and thus represents a later stage in the CEQA process that follows a period of time after the issuance of a draft EIR. The new VMT requirement, then, does not apply to an addendum. Here, the SVSP EIR at issue was certified in 2010, approximately 10 years before the VMT requirement took effect. Case law substantiating this includes "Citizen's for Positive Growth & Preservation v. City of Sacramento" (2019).

Although, as explained above, VMT is not applicable to this addendum, the City of Roseville considered VMT in the SVSP EIR, albeit in a different context. The SVSP EIR's chapter regarding Climate Change and Greenhouse

Gas Emissions included an estimate of greenhouse gas emissions that would be generated by the traffic associated with the operation of uses allowed under the SVSP at buildout. As discussed in more detail in the Transportation section of this Environmental Checklist, the trip generation associated with the project is well within the trips that were assumed as part of the SVSP. Because the project's proposed uses are also consistent with the uses allowed pursuant to the SVSP, the trip lengths associated with project trips would not be expected to meaningfully vary from the assumptions that were used to generate the original VMT analysis in the SVSP EIR. Therefore, even if VMT were required to be analyzed, the project would not generate new or more severe impacts with respect to VMT as compared with the SVSP EIR.

Moreover, the City also analyzed VMT in connection with the 2035 General Plan Update EIR (SCH No. 2019080418). The General Plan Update (GPU) EIR[1] used the Roseville travel forecasting model to estimate VMT for the City. The VMT data was then normalized to residents as a "per capita" rate. As described in the GPU EIR, and consistent with the VMT reductions in OPR's *Technical Advisory on Evaluating Transportation Impacts in CEQA*, the City has adopted a VMT significance threshold of 12.8 VMT/capita. This threshold represents a 15 percent reduction to baseline per capita VMT. The GPU EIR concluded that buildout of the remaining undeveloped areas of the City, consistent with existing land use designations and existing development agreements, would exceed the City's adopted threshold resulting in a Significant impact in both the constrained and unconstrained buildout scenarios, and that mitigation requiring land use changes was not feasible because of existing development agreements in place for the undeveloped areas of the City.

As stated in the GPU EIR and pursuant to the tiering provisions of CEQA, projects that are consistent with the General Plan do not require further VMT analysis. Quantitative analyses are not required if it can be demonstrated that a project would generate VMT which is equivalent to or less than what was assumed in the GPU EIR. The proposed project includes construction of a commercial development on a parcel with a Community Commercial land use designation. A large commercial development was anticipated on this parcel in the SVSP and GPU EIR and the proposed minor modification does not exceed what was anticipated with buildout of the SVSP (further discussion of this is found in the Transportation section of this Environmental Checklist) or analyzed in the GPU EIR; therefore, it can be concluded that the project is consistent with GPU EIR analysis as it relates to VMT, and the project does not require further VMT analysis.

Based on the foregoing, none of the modifications to CEQA Guidelines Appendix G require new analysis related to impacts which were not known or which could not have been known at the time the SVSP EIR was prepared. Therefore, an Addendum is the appropriate environmental document to describe the impacts of the proposed project.

[1] General Plan Update EIR: www.roseville.ca.us/GeneralPlan

CHECKLIST

I. Aesthetics

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a. Have a substantial adverse effect on a scenic vista?	SVSP EIR Section 4.14	No	No	No	None
b. Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	Same	No	No	No	None
c. In non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	Same	No	No	No	None
d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	Same	No	No	No	SVSP EIR MM 4.14-1 SVSP EIR MM 4.14-2 SVSP EIR MM 4.14-3

Discussion: Impacts to visual and aesthetic resources were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as significant and unavoidable. The proposed commercial development does not introduce development to properties not already planned for development, and the scale, type, and form of commercial development is consistent with the development anticipated within the SVSP EIR. The proposed uses are substantially consistent with the build out assumptions and would not increase the severity of already identified significant impacts. The SVSP EIR analysis remains adequate and applicable to the proposed project.

The SVSP EIR found there were no designated or eligible scenic vistas or resources within or near the SVSP, and this evaluation remains adequate and applicable to the proposed project.

At the time of the SVSP EIR the planning area was within a non-urbanized area, and impacts to aesthetic and visual resources were found to be significant and unavoidable, because the Specific Plan would result in large-scale development within an area dominated by open space. The proposed project is currently within an urban area, and the project has been evaluated for compliance with the City's Community Design Guidelines (CDG) and the design guidelines established in the SVSP. As it relates to aesthetics, these standards ensure the high quality design and architectural character of any buildings developed as well as establishing minimum landscaping standards. The proposed project does not conflict

with applicable zoning and other regulations governing scenic quality, and therefore impacts are less than significant. The SVSP EIR analysis remains adequate and applicable to the proposed project.

As it relates to light and glare, the SVSP EIR found impacts would be significant and unavoidable, because the Specific Plan would introduce artificial light into a rural area. EIR Mitigation Measure (MM) 4.14-1 requires all light fixtures for commercial and office uses to have glare shields and all new buildings to be constructed with low-glare materials; this mitigation measure applies to the proposed project. In addition, project lighting is conditioned to comply with current City standards (i.e., CDG), which require the project to limit the height of light standards and also require cut-off lenses and glare shields to minimize light and glare impacts. MM 4.14-2 recommends low-glare materials be utilized for new buildings to reduce glare impacts. MM 4.14-3 reduces light impacts on nearby open space through design measures and light direction and placement. Based on the above discussion, there would be no new significant impacts not previously identified in the SVSP EIR, and the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: SVSP EIR Mitigation Measures **MM 4.14-1** (site lighting to minimize nuisance)**, MM 4.14-2 (use low-glare materials), and MM 4.14-3** (avoid light spillover into Curry Creek and Open Space) can be found in the table of applicable mitigation measures included with this Addendum (see Attachment 1).

II. Agricultural & Forestry Resources

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	SVSP EIR Section 4.1	No	No	No	SVSP EIR MM 4.1-2
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	Same	No	No	No	None
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	Same	No	No	No	None
d) Result in the loss of forest land or conversion of forest land to non-forest use?	Same	No	No	No	None
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	Same	No	No	No	None

Discussion: Impacts to agricultural resources were adequately addressed in the SVSP EIR as it relates to the proposed project. There is no significant change in the proposed project that would change the environmental impact for this section. The SVSP EIR concluded development of the project area would convert fallow grazing land to urbanized development and have a less than significant impact with mitigation. The SVSP EIR found that while the project site did not provide opportunities for prime agricultural production, approving an urban land use designation would preclude any agricultural use of the land in the future. The SVSP EIR found that with mitigation in the form of 1:1 open space preservation, the impact would be less than significant. The project site is no longer used for agricultural purposes, does not include agricultural zoning, is not within

or adjacent to one of the areas of the City designated as a protected farmland category on the Placer County Important Farmland map, is not within or adjacent to land within a Williamson Act Contract, and is not considered forest land. For these reasons, project impacts related to agricultural and forestry resources are less than significant. The proposed project is substantially consistent with the development assumptions of the SVSP EIR and would not increase the severity of already identified less than significant impacts. The SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: SVSP EIR Mitigation Measure MM 4.1-2 required preservation of open space within Placer County in order to mitigate for the loss of open space in the SVSP. Though this measure remains applicable to the project, the measure has been completed via an established fee program that directs funds to the Placer Land Trust, which then sets aside land.

III. Air Quality

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with or obstruct implementation of the applicable air quality plan?	SVSP EIR Section 4.4	No	No	No	None
b) Result in a cumulatively considerable net increase of any criteria for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	Same	No	No	No	SVSP EIR MM 4.4-1, MM 4.5-1, and MM 4.5-2
c) Expose sensitive receptors to substantial pollutant concentrations?	Same	No	No	No	WMM 4.4-7 (a)[2]
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	Same	No	No	No	None

Discussion: a–b) The SVSP EIR concluded that standard dust control and other construction measures would be sufficient to avoid particulate matter and ozone precursor construction impacts, but that reactive organic gases would remain significant. Construction activity associated with

[2] The SVSP encompasses area that had been subject to program-level analysis in the West Roseville Specific Plan EIR. Mitigation measures from the West Roseville Specific Plan EIR that remained applicable were incorporated into the SVSP EIR and are denoted by a "WMM" label.

the proposed project remains consistent with or reduced from the scale of activity and resulting scope of impacts anticipated in the SVSP EIR. For operational impacts, the SVSP and EIR anticipated up to 1.4 million square feet of commercial development on Specific Plan Parcels DF-40, DF-41, and DF-42, which results in a Floor Area Ratio of approximately 0.4. The Floor Area Ratio is a measure of development intensity, and represents the amount of land area developed with buildings. A Floor Area Ratio of 0.4 means that 40% of a given area would be developed with buildings. The proposed project is part of a development known as Baseline Marketplace that will span all three parcels. The proposed project and previously approved Costco project would total 560,000 sf, which is less than the 750,000 square feet approved with the original Baseline Marketplace project and less than half of the 1.4 million square feet of the development intensity evaluated in the SVSP EIR. Therefore, the impacts of the project fall within the scope of the impacts and mitigation already established in the SVSP EIR, and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

c) Toxic Air Contaminants (TACs) are typically generated by stationary sources like facilities using solvents and heavy industrial operations, but can also be generated by more common uses such as gas stations. The SVSP EIR found that development of the Specific Plan would include certain uses, such as gas stations, which could emit TACs, and determined that mitigation could reduce impacts to less than significant levels. The project includes the construction of a gas station consisting of 4 dispensers (total of 8 pumps) and a ±4,000 square-foot freestanding building. A gasoline facility is a source of gasoline vapors that include TACs, primarily benzene. SVSP EIR Mitigation Measure WMM 4.4-7 (a) requires that proposed uses within the SVSP that could generate TACs demonstrate that the applicable health risk thresholds will not be exceeded by submitting an application for Authority to Construct (ATC) to the Placer County Air Pollution Control District (PCAPCD) prior to construction. A Health Risk Assessment (HRA) is required as part of the ATC permit application in order to confirm the potential cancer risk resulting from a project is within PCAPCD thresholds, and the ATC permit can be issued. Consistent with this mitigation, a project-specific HRA (Attachment 2), prepared by Kimley Horn (dated August 2025), is included as part of this Addendum. The HRA concludes the annual amount of gasoline dispensed from the facility will be below the significance threshold for cancer risk of 10 in one million. The HRA determined that the maximum cancer residential risk associated with the project would be .37 cancers/million, which is below the PCAPCD's significance threshold of 10 cancers/million. As no non-residential uses surround the Project site, the more conservative (longer exposure) residential risk was used rather than worker risk. Finally, the HRA determined that the acute health effects for residents would be .00473, which is below the PCAPCD's significance threshold of 1. Based on this evaluation, project impacts are less than significant. Mitigation Measure WMM 4.4-7(a) remains applicable to the project, to ensure an ATC permit is issued prior to construction.

d) The SVSP EIR found that development of the Specific Plan would not involve the long-term operation of any new sources of odor and that odors from construction activities would be short-term; therefore, impacts were found to be less than significant and no mitigation was required. Consistent with this analysis, while diesel fumes from construction equipment and delivery trucks are often found to be objectionable, construction is temporary and diesel emissions are minimal and regulated. Typical urban projects such as the proposed project do not result in substantial objectionable odors when operated in compliance with City Ordinances (e.g. proper trash disposal and storage). The Project is a typical urban development that lacks any characteristics that would cause the generation of substantial unpleasant odors. Thus, construction and operation of the proposed project would not result in the creation of objectionable odors affecting a substantial number of people. Therefore, the SVSP EIR analysis remains adequate and applicable, and impacts related to odors are less than significant.

Mitigation Measures: SVSP EIR Mitigation Measures **MM 4.4-1, MM 4.5-1, MM 4.5-2, and WMM 4.4-7(a)** were identified to reduce the impacts related to air quality to less than significant. These measures remain applicable to the proposed project.

IV. Biological Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	SVSP EIR Section 4.8	No	No	No	SVSP EIR MM 4.8-1 to 4.8-7
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	Same	No	No	No	SVSP EIR MM 4.8-4 to 4.8-7
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	Same	No	No	No	SVSP EIR MM 4.8-1 to 4.8-7
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	Same	No	No	No	SVSP EIR MM 4.8-4 to 4.8-7

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	Same	No	No	No	None
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	Same	No	No	No	None

Discussion: Impacts to Biological Resources were adequately addressed in the SVSP EIR as it relates to the proposed project. There is no significant change in the proposed project that would change the environmental impact for this section. The SVSP EIR concluded development of the project area would impact wetlands on-site and could potentially impact special status species found in the area. The EIR concluded that the impact on Biological Resources would be less than significant with mitigation. Mitigation measures were adopted to reduce impacts to wetlands, vernal pool species, Swainson's hawk, burrowing owl, and other protected raptors nesting and foraging habitat to less-than-significant levels. As discussed in the Environmental Setting section, above, the project site has been rough-graded and regularly maintained through discing, and no wetlands, intact grasslands, or trees remain on the site to be impacted. The proposed project is within the scope of the development assumptions for the parcels created for commercial development with the SVSP. There is no significant change in the proposed project that would change the environmental impact for this section and the proposed project is located on properties already anticipated for development.

The mitigation measures adopted with certification of the SVSP EIR remain appropriate and no additional impacts will occur. EIR mitigation measures adopted for the purpose of avoiding or reducing impacts to special habitats (such as wetlands and grasslands) and their dependent species were implemented prior to rough grading of the site, and have been effectuated; these measures are no longer applicable. Mitigation measures which remain applicable are those requiring surveys for ground-nesting birds (MM 4.8-3) and avoiding light and glare into the Curry Creek open space (MM4.14-3). Impacts remain less than significant upon compliance with the applicable mitigation measures. The SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Effectuated mitigation measures which are no longer applicable are Mitigation Measure MM 4.8-1 (wetland permits and no net loss), MM 4.8-2 (relocate western spadefoot), MM 4.8-4 (preservation of grassland habitat), MM 4.8-5 (wildlife movement protection), MM 4.8-6 (habitat restoration), and MM 4.8-7 (off-site surveys for infrastructure). Mitigation Measures **MM 4.8-3** (protection for nesting birds) and **MM 4.14-3** (avoid light spill into Curry Creek open space) remain applicable to the proposed project, and will ensure impacts to biological resources remain less than significant.

V. Cultural Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Cause a substantial adverse change in the significance of an historic resource pursuant to in Section 15064.5?	SVSP EIR Section 4.9	No	No	No	None
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	Same	No	No	No	SVSP EIR MM 4.9-1 to 4.9-2
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	Same	No	No	No	SVSP EIR MM 4.9-1 to 4.9-2

Discussion: Impacts to cultural resources were adequately addressed in the SVSP EIR as it relates to the proposed project. There is no significant change in the proposed project that would change the environmental impact for this section. The SVSP EIR discussed the potential for subsurface remains or deposits to be found on the site, and included a mitigation measure requiring a cessation of work should any item of cultural interest be found. Surveys performed in the project area did not detect evidence of prehistoric archeological resources. However, the impact to cultural resources was found to be potentially significant and unavoidable because there is always the potential that resources could be encountered during grading. Though the project site has been rough-graded and no resources were found, there is still the possibility that further grading and site development could unearth resources. The mitigation measures requiring a cessation of work and consultation should resources be discovered remain applicable (MM 4.9-1 and MM 4.9-2). MM 4.9-3 requiring studies before construction of any offsite work is also applicable to any off-site work that may be needed. The proposed project is substantially consistent with the development assumptions of the SVSP EIR and would not increase the severity of already identified impacts. The SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Mitigation Measure **MM 4.9-1** (cease work and consult with archeologist) and **MM 4.9-2** (cease work and consult with paleontologist), and **MM 4.9-3** (conduct studies prior to offsite infrastructure construction) remain applicable to the proposed project.

VI. Energy

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	SVSP EIR Section 4.12.5	No	No	No	None
b) Conflict with or obstruct a state or local plan for renewable energy or energy inefficiency?	SVSP EIR Section 4.12.5	No	No	No	None

Discussion: Impacts to energy resources were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant. The SVSP EIR concluded that development and implementation of the SVSP would add land uses that would increase the demand for electrical services. However, Roseville Electric determined there were no constraints to providing a reliable energy source to serve the development proposed in the SVSP area. Electricity in the area is provided by Roseville Electric and natural gas is provided by Pacific Gas & Electric (PG&E). Impacts 4.12-5.1 and 4.12-5-2 in the SVSP EIR evaluated the potential for development of the SVSP to increase demands for electricity and natural gas and found these impacts to be less than significant.

The project includes development of an approximately 398,226 square foot commercial center. The project would consume energy both during project construction and during project operation. During construction, fossil fuels, electricity, and natural gas would be used by construction vehicles and equipment. However, the energy consumed during construction would be temporary, and would not represent a significant demand on available resources. There are no unusual project characteristics that would necessitate the use of construction equipment or methods that would be less energy-efficient or which would be wasteful.

The completed project would consume energy related to building operation, exterior lighting, landscape irrigation and maintenance, and vehicle trips to and from the use without any meaningful differences in energy use from the operations of permitted large format commercial uses analyzed in the SVSP EIR. In accordance with California Energy Code Title 24, the project would be required to meet the Building Energy Efficiency Standards. This includes standards for water and space heating and cooling equipment; insulation for doors, pipes, walls, and ceilings; and appliances, to name a few. The project would also be eligible for rebates and other financial incentives from both the electric and gas providers for the purchase of energy-efficient appliances and systems, which would further reduce the operational energy demand of the project. The project plans were distributed to both PG&E and Roseville Electric for comments, and was found to conform to the standards of both providers; energy supplies are available to serve the project.

The proposed project will not result in inefficient, wasteful, or unnecessary consumption of energy, nor would it conflict with or obstruct State or local plans for renewable energy or energy efficiency. The proposed uses are within the scope of the build out assumptions of the SVSP EIR and would not increase the severity of already identified significant impacts. The SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: No mitigation measures are required for this Project.

VII. Geology and Soils

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	SVSP EIR Section 4.7	No	No	No	None
i) Ruptures of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42.)	Same	No	No	No	None
ii) Strong seismic ground shaking?	Same	No	No	No	None
iii) Seismic-related ground failure, including liquefaction?	Same	No	No	No	None
iv) Landslides?	Same	No	No	No	None
b) Result in substantial soil erosion or the loss of topsoil?	Same	No	No	No	None
c) Be located in a geological unit or soil that is unstable, or that would become unstable as a result of the project,	Same	No	No	No	None

and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?					
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	Same	No	No	No	None
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	Same	No	No	No	None
f) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	SVSP EIR Section 4.7 and Section 4.9	No	No	No	SVSP EIR MM 4.9-2

Discussion: Impacts to geology and soils resources were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant. The project is not expected to expose people or structures to potential substantial adverse effects involving seismic shaking, ground failure or landslides. The project site is located in Roseville, which is in Placer County. The California Department of Mines and Geology classifies the South Placer area as a low severity earthquake zone. No active faults are known to exist within the County. The project site is considered to have low seismic risk with respect to faulting, ground shaking, seismically related ground failure and liquefaction.

The SVSP EIR indicated that compliance with existing regulations and permit requirements would be sufficient to avoid impacts related to these issues. This conclusion remains appropriate for the proposed project because there is no new information indicating that geologic conditions are different than previously understood and the proposed project is within the development area anticipated in the SVSP EIR.

As discussed in the Cultural Resources section, though the project site has been rough-graded and no resources were found, there is still the possibility that further grading and site development could unearth resources. Should any evidence of paleontological resources (e.g. fossils) be encountered during grading or excavation, work shall be suspended within 100 feet of the find, and the City of Roseville shall be immediately notified. At that time, the City shall coordinate any necessary investigation of the site with a qualified paleontologist to assess the resource and provide proper management recommendations.

The proposed uses are substantially consistent with the build out assumptions of the SVSP EIR and would not increase the severity of already identified significant impacts. The SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: MM 4.9-2 (cease work and consult with paleontologist) remains applicable to the proposed project.

VIII. Greenhouse Gases

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	SVSP EIR Section 4.5	No	No	No	SVSP EIR MM 4.4-1, 4.5-1 and 4.5-2
b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	Same	No	No	No	None

Discussion: Impacts relating to greenhouse gases were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as significant and unavoidable. The SVSP EIR quantified the greenhouse gas (GHG) emissions resulting from buildout and operation of the SVSP and concluded that the SVSP would cause significant and unavoidable impacts with respect to greenhouse gas (GHG) emissions. Mitigation measures were adopted to reduce the project's GHG emissions to the extent feasible. Construction activity associated with the proposed project remains consistent with the scale of activity and resulting scope of impacts anticipated in the SVSP EIR, as previously discussed in the Purpose and Scope of Addendum section. For operational impacts, GHG is primarily generated by building energy usage and vehicle travel. The proposed project is consistent with the General Plan land use designation and with the scale and intensity of development anticipated in the SVSP EIR, also as previously discussed in the Purpose and Scope of Addendum section. The proposed project includes less than half of the building square footage than was anticipated in the SVSP EIR and the California Building Code (CBC) requirements related to energy efficiency have become more stringent since publication of the EIR, and therefore GHG emissions related to building energy demands would be less than previously anticipated.

The City evaluated the proposed modifications to the Baseline Marketplace project in order to determine whether the project falls within the scope of vehicle-related GHG emissions anticipated in the SVSP EIR, first by examining the trip characteristics of the project and then by examining the expected trip lengths. The SVSP EIR transportation analysis accounted for the various uses (e.g. strip malls, small-scale retail, and large format retail) that make up the Community Commercial land use. In other words, the traffic analysis assumed and accounted for large anchor uses like Target and Home Depot that would generate a higher volume of traffic as well as smaller retail uses, which would generate a relatively smaller amount of traffic. The project is consistent with the uses evaluated in the SVSP EIR, and is consistent with the amount of trips an anchor retail use would have been projected to generate.

In addition, City staff examined the City of Roseville traffic model for this area. There are two Traffic Area Zones (TAZ 1319 and TAZ 1331) that make up the Baseline Marketplace project, which includes the Costco property. The two TAZ have a combined modeled capacity of 2,161 peak

hour trips. The entire Baseline Marketplace project, based on all previously approved and proposed uses, have 1,431 modeled peak hour trips based on the land use and building area proposed. This leaves 730 peak hour trips of unused capacity for future development within the small remaining undeveloped commercial parcels to the west of Costco. This translates to 297,000 square feet of undeveloped building potential based on the TAZs. This finding is consistent with the discussion in the Purpose and Scope of Addendum section, which noted that the SVSP EIR assumed a FAR of 0.40 for commercial uses, while the current and proposed project FAR is 0.16. The trip generation characteristics of the proposed project are well within the scope of the SVSP EIR transportation analysis.

In terms of trip lengths, the City developed analysis guidance and thresholds for VMT as part of the 2035 General Plan Update project approved in July 2020. The citywide VMT analysis was then used to model air quality and greenhouse gas impacts within the General Plan Update EIR. Consistent with the Office of Planning and Research Technical Advisory on Evaluating Transportation Impacts in CEQA, the analysis found that "local-serving" non-residential uses led to reductions in citywide VMT, because adding a local-serving center into an existing residential area simply re-routes existing travel from other – typically more distant – locations to a closer location. In other words, although a new commercial center will result in more trips arriving and departing from the project site, it will reduce the amount of travel (and therefore the amount of vehicle exhaust) in the City. Any non-residential use which improves "destination proximity" – that is, shortens the distance people must travel to reach a use such as the proposed use – is considered "local-serving." The nearest existing Home Depot and Target stores to the project site are on Fairway Drive on the northern side of Roseville (over six miles away). Many other of the future businesses within the Baseline Marketplace project are also similar distances away. The proposed commercial center will significantly improve destination proximity, and therefore will reduce travel distances for residents on the western side of Roseville and in the areas of Placer County and Sacramento County south of the project site.

Based on the foregoing analysis, greenhouse gas emissions, from both the construction and operational phases, will result in impacts within the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project. The project has incorporated the applicable requirements of SVSP EIR mitigation into the project design, and will comply with the required mitigation in the SVSP EIR.

Mitigation Measures: Mitigation Measures **MM 4.4-1** (construction emissions), **MM 4.5-1** (operational emissions), **MM 4.5-2** (greenhouse gas emissions) from the SVSP EIR remain applicable to the proposed project, and have been incorporated into the design of the project as appropriate.

IX. Hazards and Hazardous Materials

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	SVSP EIR Section 4.10	No	No	No	None
b) Create a significant hazard to the public or the environment though reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	Same	No	No	No	SVSP EIR MM 4.10-1
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	Same	No	No	No	None
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	Same	No	No	No	None
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	Same	No	No	No	None
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	Same	No	No	No	None

g) Expose people or structures either directly or indirectly to a significant risk of loss, injury or death involving wildland fires?	Same	No	No	No	None

Discussion: Impacts related to hazards and hazardous materials were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant with mitigation. The SVSP EIR includes a brief overview for each impact topic, concluding that compliance with existing federal, state, and local regulations regarding the use, transport and disposal of hazardous materials would ensure most impacts will be less than significant. The exception was for unknown soil contamination, as land which was used for agricultural purposes may include undiscovered, underground storage tanks or other contamination issues; mitigation for this was included. The project is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. The SVSP EIR analysis also found that there would be sufficient emergency services and facilities and that the area was not located within an airport land use plan or other aviation hazard area. These conclusions still fit for the proposed project, which is within the same development footprint.

Standard construction activities would require the use of hazardous materials such as fuels, oils, lubricants, glues, paints and paint thinners, soaps, bleach, and solvents. These are common household and commercial materials routinely used by both businesses and average members of the public. The materials only pose a hazard if they are improperly used, stored, or transported either through upset conditions (e.g. a vehicle accident) or mishandling. In addition to construction use, the operational project would result in the use of common hazardous materials as well, including bleach, solvents, and herbicides. Regulations pertaining to the transport of materials are codified in 49 Code of Federal Regulations 171–180, and transport regulations are enforced and monitored by the California Department of Transportation and by the California Highway Patrol. Specifications for storage on a construction site are contained in various regulations and codes, including the California Code of Regulations, the Uniform Fire Code, and the California Health and Safety Code. These same codes require that all hazardous materials be used and stored in the manner specified on the material packaging. Existing regulations and programs are sufficient to ensure that potential impacts as a result of the use or storage of hazardous materials are reduced to less than significant levels.

The California Department of Forestry and Fire Protection (CAL FIRE) is the state agency responsible for wildland fire protection and management. As part of that task, CAL FIRE maintains maps designating Wildland Fire Hazard Severity zones. The City is not located within a Very High Fire Hazard Severity Zone, and is not in a CAL FIRE responsibility area; fire suppression is entirely within local responsibility. The project site is in an urban area, and therefore would not expose people to any risk from wildland fire.

The proposed uses for the Baseline Marketplace site are small and large format retail and restaurants and are all typical uses found in the Community Commercial land use category. These uses are substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: The SVSP EIR included a mitigation measure to address the low possibility that some contamination of soils still lingered due to past use of the land for agricultural purposes. The measure, Mitigation Measure **MM 4.10-1**, indicates that if evidence of contamination is observed (stained soils, unearthing of a tank, etc.) then proper testing and remediation is required, in coordination with the appropriate City Departments. This measure remains applicable to the project.

X. Hydrology and Water Quality

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	SVSP EIR Section 4.13	No	No	No	SVSP EIR MM 4.13-1
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	Same	No	No	No	None
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	Same	No	No	No	None
i) result in substantial erosion or siltation on or off-site;	Same	No	No	No	None
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	Same	No	No	No	None
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater systems or provide substantial additional sources of polluted runoff; or	Same	No	No	No	None
iv) impede or redirect flood flows?	Same	No	No	No	None

d) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	Same	No	No	No	None
e) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	Same	No	No	No	None
f) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	Same	No	No	No	None

Discussion: Impacts related to hydrology and water quality were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant with mitigation. A Drainage and Storm Water Master Plan was prepared and approved by the City as part of the SVSP EIR. As noted in the EIR, the Drainage and Storm Water Master Plan demonstrated that the increases in impervious surfaces being caused by buildout of the SVSP would be offset by proposed drainage facilities and storm water improvements. The project is located adjacent to an open space preserve to the north, which contains Curry Creek and includes plans for drainage into a watershed located within the preserve from water quality basins on-site. The location and flow of this drainage is within the scope of what was anticipated in the SVSP EIR and Storm Water and Drainage Master Plan. The project would offset increases in peak flow and no development would occur within the 100-year floodplain area. With regard to storm water quality, the EIR notes that there are existing programs, regulations, and permits in place to ensure that the project would not have significant effects related to water pollution from construction or operation, though a mitigation measure is included to require compliance with these regulations.

The project is in an area of flat topography and is not near any large water bodies or dams/levees, so would not be subject to losses due to dam/levee failure, seiche, tsunami, or mudflow. The project falls within the development footprint of the SVSP, and does not result in any changes to the scope or scale of impacts, and the prior conclusions remain appropriate. Thus, the project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Mitigation Measure **MM 4.13-1** was included to require compliance with the City's stormwater quality standards, including preparation of a Storm Water Pollution Prevention Plan (SWPPP). This measure remains applicable to the proposed project.

XI. Land Use and Planning

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Physically divide an established community?	SVSP EIR Section 4.1	No	No	No	None
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation of an agency adopted for the purpose of avoiding or mitigating an environmental effect?		No	No	No	SVSP EIR MM 4.1-3, 4.6-1 and 4.6-2

Discussion: Impacts related to land use and planning were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant with mitigation. The SVSP EIR concluded that there were some potential land use incompatibilities, but that these could be addressed by a mix of mitigation measures and compliance with the City Noise Ordinance and Grading Ordinance. The EIR concluded that all impacts of the SVSP could be reduced to less than significant levels with mitigation. The Baseline Marketplace project involves a commercial use, which is principally permitted in the General Commercial zone and Community Commercial designated land use parcel where the project is proposed. The same use types are proposed consistent with the buildout assumptions anticipated in the SVSP EIR, and therefore the conclusions of SVSP EIR remain applicable to the proposed project. The project is consistent with the policies of the Zoning Ordinance, SVSP, and the General Plan which are adopted for the purpose of avoiding environmental effects.

The project area has been planned for development, including adequate roads, pedestrian paths, and bicycle paths to provide connections within the community. The project involves frontage improvements including new driveways, sidewalks, and pedestrian connections. As such, the project will not physically divide an established community.

As described above, the project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Mitigation Measure **MM 4.6-1** (construction noise) and **MM 4.6-2** (commercial noise controls) are applied during construction, so remain applicable to the proposed project.

XII. Mineral Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	SVSP EIR Section 4.7	No	No	No	None
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	Same	No	No	No	None

Discussion: Impacts related to mineral resources were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant. The SVSP EIR indicated that there were no significant mineral resources in the area, and this finding remains accurate. Therefore, the project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: None required for this Project.

XIII. Noise

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	SVSP EIR Section 4.6	No	No	No	SVSP EIR MM 4.6-1
b) Generation of excessive ground borne vibration of ground borne noise levels?	Same	No	No	No	SVSP EIR MM 4.6-1
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	Same	No	No	No	None

Discussion: Impacts related to noise were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as significant and unavoidable for temporary construction noise and increases in traffic noise outside the plan area. Construction noise in general was discussed, and addressed via mitigation. Noise was determined to be an impact for all of the major roadways in the SVSP area. Traffic-related noise levels expected in the year 2025 plus project were found to be significant and unavoidable.

The proposed Baseline Marketplace includes operation of a large format retail center, fuel station, and car wash, which is a principally permitted use on this parcel and are therefore substantially consistent with the build out assumptions in the SVSP EIR. Retail centers in general do not generate significant noise but can have noise impacts on nearby sensitive receptors in certain areas including loading docks. The nearest sensitive receptor to any loading docks for the project are the single-family homes north of San Fernando Rd. A noise study was completed by Rincon Consultants, Inc., which analyzed potential loading dock noise from the proposed Home Depot and Target stores on the northern portion of the project adjacent to San Fernando Rd. The closest edge of the loading dock area for Home Depot would be located approximately 180 feet from the nearest property line to the north and edge of the loading dock area for Target would be located approximately 190 feet from the nearest property line to the north. Noise from one loading dock is approximately 40 dBA Leq at 50 feet or 75 dBA Lmax at 50 feet (Placeworks 2012). Accounting for the noise reduction from the existing 6-foot wall along the residential property lines to the north of the proposed San Fernando Road, combined noise levels from all seven loadings docks combined would be approximately 31 dBA Leq or 58 dBA Lmax. This would be below the nighttime exterior noise level in the City of Roseville Municipal Code Section 9.24-100, of 45 dBA Leq or 65 dBA Lmax at the residential property line to the north. Therefore, impacts would not be more severe than those analyzed in the SVSP EIR.

As with the previously analyzed Costco project, there is a potential car wash proposed with this project along Baseline Road. Due to the nature of the carwash machinery, including the air dryers within the carwash tunnel, car washes can generate noise, depending on their proximity to residential uses or other sensitive noise receptors. The nearest sensitive receptors to the proposed car wash are the single-family homes south of Baseline Road. Noise analyses have found that car wash tunnels do not exceed 60 decibels beyond the immediate vicinity of the exit and entrance and only in the direction the openings are oriented. The project car wash tunnel has entrances facing east and west, which is not in the direction of the nearby sensitive receptors to the south.

Existing and future noise from Baseline Road was estimated to be approximately 66 db in the exiting plus SVSP project condition and 71.7 db at full buildout (at a point 100 feet from the centerline). As discussed in the Transportation section of this Environmental Checklist, the proposed project is within the scope of the transportation impacts analyzed in the SVSP EIR, and therefore would not result in new or increased impacts related to roadway noise.

The project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Mitigation Measure **MM 4.6-1** (construction noise), was applied in the SVSP EIR related to commercial and residential projects. Construction noise controls in the mitigation includes located fixed equipment away from noise sensitive uses and having a construction disturbance coordinator to address noise concerns. This mitigation measure remains applicable to the proposed project. **MM 4.4-1** (commercial

noise controls) was implemented with construction of the 6-foot tall masonry wall on the north side of San Fernando Rd. The applicant also proposes a masonry wall on the south side of San Fernando Rd. for further noise attenuation.

XIV. Population and Housing

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, though extension of roads or other infrastructure)?	SVSP EIR Section 4.2	No	No	No	None
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None

Discussion: Impacts related to population and housing were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as significant and unavoidable for inducement of substantial population growth. The SVSP EIR indicated the SVSP would increase the number of housing units above those which had been anticipated in the General Plan, and analyzed the effect on supporting services, infrastructure, and other issues related to environmental impacts. It was concluded that impacts would be significant and unavoidable. The impact identified by the SVSP EIR was the result of adopting an urban land use plan over a non-urbanized area. The proposed project is currently within an urbanized area which is planned for such use, and does not include any housing units, consistent with the development assumptions for this parcel in the SVSP EIR. Therefore the project will not have a new or more severe impact related to unplanned population growth. No existing buildings or residents are present on the project site; therefore, no residences or communities would be displaced.

The project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: None required for this Project.

XV. Public Services

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any the public services:					
a) Fire protection?	SVSP EIR Section 4.11	No	No	No	None
b) Police protection?	Same	No	No	No	None
c) Schools?	Same	No	No	No	None
d) Parks?	Same	No	No	No	None
e) Other public facilities?	Same	No	No	No	None

Discussion: Impacts related to public services were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant. The SVSP EIR concluded that fire and police protection services, and other public services would not be negatively affected by the project. Existing City codes and regulations require adequate water pressure in the water lines, and construction must comply with the Uniform Fire and Building Codes used by the City of Roseville. Additionally, the applicant is required to pay a fire service construction tax, which is used for purchasing capital facilities for the Fire Department. Sales taxes and property taxes resulting from development will add revenue to the General Fund, which provides funding for police services. Existing codes, regulations, funding agreements, and facilities plans are sufficient to ensure less than significant impacts.

An analysis of impacts to schools was included in the SVSP EIR, which concluded that two new elementary schools and one new intermediate school would be required in the project area. The high school students generated from the SVSP were assumed in the nearby high schools located outside the plan area. A portion of the SVSP is located within the Center School District and a portion is located within the Roseville

City School District, though the current project area is entirely within the Center School District. This Baseline Marketplace project is commercial, will contain no housing units, and will therefore not create an increased demand for schools or have an impact on schools.

The developer will be required to pay fees into a Community Facilities District, which provides funding for park services. Future park and recreation sites and facilities have already been identified as part of the Specific Plan process. The City charges fees for end-users for other services, such as garbage and greenwaste collection, in order to fund those services. Existing codes, regulations, funding agreements, and facilities plans are sufficient to ensure less than significant impacts.

The project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR because no development beyond what was analyzed in the SVSEP EIR would occur and accordingly there would be no increased demand for services or need for construction of new facilities. Therefore, the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: None required for this Project.

XVI. Recreation

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that physical deterioration of the facility would occur or be accelerated?	SVSP EIR Section 4.11	No	No	No	None
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	Same	No	No	No	None

Discussion: Impacts related to recreation were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant. The SVSP indicates that the required parkland dedication was met by dedication of parkland and through payment of park dedication in-lieu fees. As noted in the EIR, the payment of Citywide and neighborhood park fees will be required, and the payment of fees combined with the dedication of parkland will ensure that impacts to park services are less than significant. As this is a commercial development, the project will not increase the number of residents anticipated for the SVSP nor decrease the amount of area dedicated to park and recreation uses; therefore, this conclusion remains applicable to the proposed project. Moreover, because the level of development is consistent with what was analyzed in the SVSP EIR, the project would not cause the need for construction of recreational facilities that might have an adverse effect on the environment beyond what was previously studied.

Given the foregoing, the project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: None required for this Project.

XVII. Transportation

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	SVSP EIR Section 4.3	No	No	No	SVSP EIR MM 4.3-1 to 4.3-5
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	n/a	No	No	No	None
c) Substantially increase hazards due to a geometric design feature(s) (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	SVSP EIR Section 4.3	No	No	No	None

d) Result in inadequate emergency access?	Same	No	No	No	None

Discussion: The SVSP EIR evaluated the traffic impacts to existing and future roadways from traffic being generated by the anticipated uses within the plan area. The EIR concluded that, with mitigation, impacts to City roadways would be less than significant. Impacts to adjacent agency roadways were identified as a significant and unavoidable impact, and mitigation to lessen the impact was adopted. These analyses were based upon the level of service criteria and metrics. Per changes in state law, level of service is no longer considered an impact under CEQA, such that this document need not further address the level of service impacts studied in the EIR. However, as discussed in the GHG evaluation above, the trips generated by the project are consistent with the SVSP EIR assumptions and thus the level of service conclusions in that EIR remain valid and unchanged. In accordance with the changes in the law adopted after the EIR was certified, wholly new CEQA documents must examine transportation impacts in terms of vehicle miles traveled (VMT). Though there is no requirement to consider VMT associated with the project given use of the existing EIR, the discussion below provides information as to the project's consistency with the VMT assumptions within the Climate Change and Greenhouse Gas Emissions chapter of the SVSP EIR and the General Plan Update (GPU) EIR.

Checklist item "b" focuses on Vehicle Miles Traveled (VMT). This was added to the checklist after publication of the SVSP EIR; However, the SVSP EIR did include quantification of VMT projected from Specific Plan implementation. The SVSP EIR's chapter regarding Climate Change and Greenhouse Gas Emissions included an estimate of greenhouse gas emissions that would be generated by the traffic associated with the operation of uses allowed under the SVSP at buildout. As discussed in the GHG evaluation, the trip generation associated with the project is well within the trips that were assumed as part of the SVSP. Because the project's proposed uses are also consistent with the uses allowed pursuant to the SVSP, the trip lengths associated with project trips would also be expected to mesh with the assumptions that were used to generate the original VMT analysis in the SVSP EIR. Therefore, VMT stemming from the project would be within the envelope of VMT set forth in the SVSP EIR, confirming that no new or more severe VMT impacts would result.

In addition, the GPU EIR used the Roseville travel forecasting model to estimate VMT for the City. The VMT data was then normalized to residents as a "per capita" rate. As described in the GPU EIR, and consistent with the VMT reductions in OPR's Technical Advisory on Evaluating Transportation Impacts in CEQA, the City has adopted a VMT significance threshold of 12.8 VMT/capita. This threshold represents a 15 percent reduction from baseline per capita VMT. The GPU EIR concluded that buildout of the remaining undeveloped areas of the City, consistent with General Plan land use designations and existing development agreements, would exceed the City's adopted threshold, resulting in a significant and unavoidable impact in both the constrained and unconstrained buildout scenarios.

As stated in the GPU EIR and pursuant to the tiering provisions of CEQA, projects that are consistent with the General Plan do not require further VMT analysis. Quantitative analyses are not required if it can be demonstrated that a project would generate VMT that is equivalent to or less than what was assumed in the GPU EIR.

The City developed analysis guidance and thresholds for VMT as part of the GPU EIR. As discussed in detail in the Greenhouse Gases section of this Environmental Checklist, consistent with the Office of Planning and Research Technical Advisory on Evaluating Transportation Impacts in CEQA, the analysis found that "local-serving" non-residential uses lead to reductions in citywide VMT because adding a local-serving center into an existing residential area simply re-routes existing travel from other – typically more distant – locations to a closer location. Any non-residential use which improves "destination proximity" – that is, shortens the distance people must travel to reach a use such as the proposed use – is considered "local-serving." Existing residents near the project site must currently travel approximately six miles to reach the nearest

Target or Home Depot, or five miles to reach the nearest other large-format discount store (e.g. Sam's Club). The proposed Costco will significantly improve destination proximity, and therefore will reduce travel distances for residents on the western side of Roseville and in the areas of Placer County and Sacramento County south of the project site.

City staff also examined the City of Roseville traffic model for this area to determine whether the project falls within the scope of development anticipated within the GPU EIR. As discussed in the Greenhouse Gases section above, City staff analysis concluded that the project trip generation is consistent with and below the amount of trips a commercial shopping center use would have been projected to generate. This finding is consistent with the discussion in the Purpose and Scope of Addendum section, which noted that the SVSP EIR assumed a FAR of 0.40 for commercial uses, while the project FAR is 0.16. The GPU EIR likewise assumed a FAR of 0.40 for commercial uses in this traffic area zone. Therefore, the GPU EIR analysis of VMT included more commercial trips than the proposed project will generate. Consequently, the project would not result in VMT impacts beyond those analyzed in the GPU EIR.

The proposed project has no impact on air traffic patterns, and does not present substantial safety risks. The project design does not introduce hazards such as sharp curves or dangerous intersections. The project has been reviewed by the City Engineering Division and City Fire Department staff, and has been found to be consistent with the City's Design Standards. Furthermore, standard conditions of approval added to all City project require compliance with Fire Codes and other design standards. Compliance with existing regulations ensure that impacts are less than significant.

The proposed use is within the scope of the development assumptions of the SVSP EIR and would not increase the severity of already identified significant impacts or cause new significant impacts not previously identified in the SVSP EIR relative to transportation. Thus, the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Mitigation measures were included for each impacted facility (see SVSP EIR MM 4.3-1 to 4.3-5), but these measures have already been incorporated into the City's Capital Improvement Program and fee programs. The measures are no longer necessary to apply to individual projects, as a mechanism for their funding and construction is already implemented.

XVIII. Tribal Cultural Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
Would the project cause a substantial adverse change in the significance of a Tribal Cultural Resource as defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:					
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?	SVSP EIR Section 4.9	No	No	No	None
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1 the lead agency shall consider the significance of the resource to a California Native American tribe.	Same	No	No	No	None

Discussion: Impacts related to tribal cultural resources were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant. In addition to archeological resources, tribal cultural resources are also given particular treatment. Tribal cultural resources are defined in Public Resources Code Section 21074, as either 1) a site, feature, place, geographically-defined cultural landscape, sacred place, or object with cultural value to a California Native American Tribe, that is listed or eligible for listing on the California Register or Historical Resources, or on a local register of historical resources or as 2) a resource determined by the lead agency, supported by substantial evidence, to be significant according to the historical register criteria in Public Resources Code section 5024.1(c), and considering the significance of the resource to a California Native American Tribe. This section was added as a stand-alone section to the CEQA Guidelines after the publication of the prior environmental document to which this Addendum is attached, but were previously addressed as part of the Cultural Resources chapter of the EIRAs part of this project.

Given the forgoing, the project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Mitigation Measure **MM 4.9-1** (cease work and consult with archeologist) and **MM 4.9-2** (cease work and consult with paleontologist) remain applicable to the proposed project.

XIX. Utilities and Service Systems

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	SVS EIR Section 4.12.1 & 4.12.3	No	No	No	None
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	SVSP EIR Section 4.12.1	No	No	No	None
c) Result in a determination by the wastewater treatment provider which serves the project that it has adequate capacity to serve the project's projected demand in addition of the provider's existing commitments?	SVSP EIR Section 4.12.3	No	No	No	None
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	SVSP EIR Section 4.12.4	No	No	No	None
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	Same	No	No	No	None

Discussion: Impacts related to utilities and service systems were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as less than significant. The SVSP EIR addressed water demand for the plan area and determined there was adequate supply to meet the anticipated water demands from development of the plan area. The City's Environmental Utilities Department staff reviewed the proposed project and concluded there is sufficient water supply to meet the demands of the project. Therefore, the impact conclusions of the SVSP EIR with respect to water supply are still applicable to this project.

Development of the project area will require the construction of water lines and sewer lines and facilities, but these were previously identified through the infrastructure master plans developed for the SVSP. The project does not require any major changes or need for expanded facilities. Additionally, the project will have no effect on wastewater generation beyond that previously analyzed in the SVSP EIR. Environmental Utilities determined that the proposed project changes fell within the scope of the prior assessment. The SVSP EIR concluded that the Pleasant Grove Wastewater Treatment Plan was sized to accommodate flow from the plan area and that impacts would be less than significant. This conclusion remains applicable to the proposed project.

The SVSP EIR indicated that the Western Placer Waste Management Authority facilities would be used to dispose of solid waste, and that there was sufficient capacity to accept solid waste from the SVSP. Solid waste generation is based on population, and as the project will not change the estimated population for the plan area, the project falls within the scope of the prior analysis, and does not result in any new or expanded impacts to this previously-identified significant and unavoidable impact.

Given the forgoing, the project is substantially consistent with the build out assumptions in the SVSP EIR, and will result in impacts consistent with the scope of those analyzed in the SVSP EIR and therefore the SVSP EIR analysis remains adequate and applicable to the proposed project.

Mitigation Measures: Mitigation Measures 4.12.4-1 (expand the landfill) and **4.12.4-2** (diversion of construction debris) were included to require payment of fees to be used for landfill expansion and to require a 50% reduction in the construction waste stream. The landfill expansion measure has already been implemented, as fees are already in place that will apply to the proposed project. The remaining measure regarding diversion of construction debris remains applicable, as it is a project-level measure that applies during construction.

XX. Wildfire

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:					
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	n/a	No	No	No	None
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	n/a	No	No	No	None
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	n/a	No	No	No	None
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	n/a	No	No	No	None
Discussion*:* The Wildfire section was added to the CEQA Guidelines after the publication of the prior environmental document to which this Addendum is attached. The California Department of Forestry and Fire Protection (CAL FIRE) is the state agency responsible for wildland fire protection and management. As part of that task, CAL FIRE maintains maps designating Wildland Fire Hazard Severity zones. The City is not					

located within a Very High Fire Hazard Severity Zone, and is not in a CAL FIRE responsibility area; fire suppression is entirely within local responsibility. Checklist questions a—d above do not apply, because the project site is not within a Very High Fire Hazard Severity Zone and is not in a CAL FIRE responsibility area. Therefore, there would be no impact related to this criteria.

Mitigation Measures: None required for this Project.

XXI. Mandatory Findings of Significance

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, threatened or rare species, or eliminate important examples of the major periods of California history or prehistory?	SVSP EIR	No	No	No	None
b) Does the project have impacts which are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	SVSP EIR	No	No	No	None

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	SVSP EIR	No	No	No	None

Discussion: Long term environmental goals are not impacted by the proposed project. The cumulative impacts do not deviate beyond what was contemplated in the SVSP EIR, and mitigation measures have already been incorporated. With implementation of the City's Mitigating Ordinances, Guidelines, and Standards and best management practices, mitigation measures described in this documentchapter, and permit conditions, the proposed project will not have a significant impact on the habitat of any plant or animal species. Based on the foregoing, the project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of any wildlife species, or create adverse effects on human beings. Thus, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent FEIR have occurred" relative to the mandatory findings of significance.

ENVIRONMENTAL DETERMINATION:

In reviewing the site specific information provided for this project and acting as Lead Agency, the City of Roseville, Development Services Department, Planning Division has analyzed the potential environmental impacts created by this project and determined that the findings of CEQA Section 15162 concerning the decision not to prepare a subsequent EIR or negative declaration and the findings of CEQA Section 15164 concerning the decision to prepare an Addendum can be made. As supported by substantial evidence within the Addendum to the Sierra Vista Specific Plan EIR (2008032115, adopted on May 5, 2010), the Lead Agency makes the following findings:

[**X**] No substantial changes are proposed in the project which would require major revisions of the previous EIR or Mitigated Negative Declaration.

[**X**] No substantial changes have occurred with respect to the circumstances under which the project is undertaken.

[**X**] There is no new information of substantial importance which was not known and could not have been known with the exercise of due diligence at the time the previous EIR was certified as complete or the Mitigated Negative Declaration was adopted.

[**X**] Only minor technical changes or additions are necessary in order to deem the adopted environmental document adequate.

Addendum Prepared by:

Sean Morales

Sean Morales, Associate Planner
City of Roseville, Development Services–Planning Division

Attachments:

1. SVSP Applicable Mitigation Measures
2. Rincon Consultants Noise Study
3. Kimley Horn Health Risk Assessment

TABLE OF APPLICABLE MITIGATION MEASURES

Mitigation Measure	Implementation	Timing	Reviewing Party	Documents to be Submitted to City	Staff Use Only
MM 4.4-1 Dust and Construction Control Measures In accordance with the PCAPCD, the applicant shall comply with all applicable rules and regulations as listed above (e.g., Rule 202, 218 and 228). In addition, at the time of tentative map the applicant(s) shall implement a minimum of five (5) of the following measures unless superseded by state or other more stringent standards: The following mitigation measures shall be implemented to reduce short-term construction-related air quality impacts. In addition, dust control measures are required to be implemented by all projects in accordance with the City of Roseville Grading Ordinance, and the PCAPCD Fugitive Dust Rule 228. • Applicant shall submit to PCAPCD a Construction Emission / Dust Control Plan within 30 days prior to groundbreaking. If the PCAPCD does not respond within 20 days, the plan shall be considered approved. The plan must address the minimum requirements found in section 300 and 400 of District Rule 228, Fugitive Dust (www.placer.ca.gov/airpollution/airpolut.htm). The applicant shall keep a hard or electronic copy of Rule 228, Fugitive Dust on-site for reference. • The Construction Emission/Dust Control Plan shall include a comprehensive inventory (i.e. make, model, year, emission rating) of all heavy-duty off-road equipment (50 horsepower (HP) of greater) that will be used an aggregate of 40 or more hours for the construction project. If any new equipment is added after submission of the inventory, the prime contractor shall the prime contractor shall contact the APCD prior to the new equipment being utilized. The project representative shall provide PCAPCD with the anticipated construction timeline including start date, and name and phone number of the project manager and on-site foreman. The plan shall demonstrate that the heavy-duty (> 50 HP) off-road vehicles to be used in the construction project, including owned, leased and subcontractor vehicles, will achieve a project wide fleet-average 20% NO_X reduction and 45% particulate reduction compared to the most recent ARB fleet average. PCAPCD shall be contacted for average fleet emission data. Acceptable options for reducing emissions may include use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment products, and/or other options as they become available. Contractors can access the Sacramento Metropolitan Air Quality Management District's web site to determine if their off-road fleet meets the requirements listed in this measure (http://www.airquality.org/ceqa/Construction_Mitigation_Calculator.xls). The following measures are also included to reduce construction-related ROG, NOx, PM10 and PM2.5 emissions: • All construction equipment shall be maintained in good operating condition. Contractor shall ensure that all construction equipment is being properly serviced and maintained as per the manufacturer's specifications. Maintenance records shall be available at the construction site for verification. This measure will reduce combustion emissions of all criteria air pollutants. • Prior to the issuance of any grading permits, all applicants shall submit construction plans denoting the proposed schedule and projected equipment use. Construction contractors shall provide evidence that low emission mobile construction will be used, or that their use was investigated and found to be infeasible for the project. Low emission equipment is defined as meeting the California Air Resources Board's Tier III standards. Contractors shall also conform to any construction measures imposed by the PCAPCD as well as City Planning Staff. This measure will primarily reduce ROG, NOx, PM10, and PM2.5 exhaust emissions.	The applicants shall submit construction management plans as part of the Grading Permit application. Engineering will review plans for inclusion of these measures prior to issuance of permits or approval of plans.	*Pre-Construction*: Prior to issuance of Grading Permits or Improvement Plans. Add as note on Improvement Plans.	Engineering	Dust Control Plan and proof of submittal to PCAPCD	

• Paints and coating shall be applied either by hand or by high volume, low-pressure spray. This measure will reduce evaporative ROG emissions.
• All construction shall comply with the following measures to reduce fugitive dust related emissions of PM10 and PM2.5:
  ○ Maintain a minimum 24-inch freeboard on soil haul trucks or cover payloads using tarps or other suitable means.
  ○ Suspend grading operations during high winds (greater than 15 mph).
  ○ Sweep streets as necessary if silt is carried off-site to adjacent public thoroughfares or occurs as a result of hauling.
  ○ Dispose of surplus excavated material in accordance with local ordinances and use sound engineering practices.
  ○ Schedule activities to minimize the amounts of exposed excavated soil during and after the end of work periods.
  ○ Phase grading into smaller areas to prevent the susceptibility of larger areas to erosion over extended periods of time.
  ○ Pave or apply gravel to any on-site haul roads.
  ○ Reestablish ground cover on the construction site through seeding and water.
  ○ Clean earth moving construction equipment with water or sweep clean, once per day, or as necessary (e.g., when moving onsite), consistent with National Pollutant Discharge Elimination System Best Management Practices and the Roseville Grading Ordinance. Water shall be applied to control dust as needed to prevent dust impacts offsite. Operational water truck(s), shall be on-site, as required, to control fugitive dust. Construction vehicles leaving the site shall be cleaned, as needed, to prevent dust, silt, mud, and dirt from being released or tracked off-site.
  ○ Spread soil binders on unpaved roads and employee/equipment parking areas. Soil binders shall be non-toxic in accordance with state and local regulations. Apply approved chemical soil stabilizers, or vegetated mats, etc. according to manufacturers' specifications, to all-inactive construction areas (previously graded areas which remain inactive for 96 hours).
  ○ Minimize diesel idling time to a maximum of five minutes.
  ○ Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary diesel power generators, if feasible.
  ○ An applicant representative, ARB-certified to perform Visible Emissions Evaluations (VEE), shall routinely (i.e., once per week) evaluate project related off-road and heavy-duty on-road equipment emissions for compliance with this requirement for projects grading more than 20 acres in size, regardless of how many acres are to be disturbed daily.
  ○ Construction equipment exhaust emissions shall not exceed the PCAPCD Visible Emissions Rule 202. Fugitive dust is not to exceed 40% opacity and not go beyond property boundary at any time. Operators of vehicles and equipment found to exceed opacity limits are to be immediately notified and the equipment must be repaired within 72 hours.
The following measures will be required:
1. Include the following standard note on the Improvement/Grading Plan: *If required by the Public Works Department, the contractor shall hold a pre-construction meeting prior to grading activities. The contractor shall invite the Placer County APCD to the pre-construction meeting in order to discuss the construction emission/dust control plan with employees and/or contractors.*
2. Prior to building permit approval, the applicant shall show, on the plans submitted to the Building Department, that electrical outlets shall be installed on the exterior walls of both the front and back of all residences or all commercial buildings to promote the use of electric landscape maintenance equipment.
3. Prior to building permit approval, the applicant shall show, on the plans submitted to the Building Department, provisions for construction of new residences, and where natural gas is available, the installation of a gas outlet for use with outdoor cooking appliances, such as a gas barbecue or outdoor recreational fire pits.
4. Prior to building permit approval, in accordance with District Rule 225, only U.S. EPA Phase II certified wood burning devices shall be allowed in single-family residences. The emission potential from each residence shall not exceed a cumulative total of 7.5 grams per hour for					

all devices. Masonry fireplaces shall have either an EPA certified Phase II wood burning device or shall be a U.L. Listed Decorative Gas Appliance. (Rule 225) 5. Wood burning or Pellet appliances shall not be permitted in multi-family developments. Only natural gas or propane fired fireplace appliances are permitted. These appliances shall be clearly delineated on the Floor Plans submitted in conjunction with the Building Permit application. (Rule 225 / section 302.2) 6. Prior to the issuance of a Building Permit, the applicant shall show that all flat roofs with parapets shall include a white or silver cap sheet to reduce energy demands. 7. Diesel trucks shall be prohibited from idling more than five minutes. Prior to the issuance of a Building Permit, the applicant shall show that all truck loading and unloading docks shall be equipped with one 110/208 volt power outlet for every two dock doors. Diesel Trucks idling for more than five minutes shall be required to connect to the 110/208 volt power to run any auxiliary equipment. 2'x3' signage which indicates "Diesel engine Idling Limited to a Maximum of 5 Minutes" shall be shown on the building elevations and shall be submitted to the Placer County APCD prior to the issuance of Building Permits for the project. 8. Prior to approval of Improvement Plans, an enforcement plan shall be established, and submitted to the APCD for review, in order to evaluate project-related on-and-off- road heavy-duty vehicle engine emission opacities on a weekly basis, using standards as defined in California Code of Regulations, Title 13, Sections 2180 – 2194. An Environmental Coordinator, hired by the prime contractor or property owner, and who is CARB-certified to perform Visible Emissions Evaluations (VEE), shall routinely evaluate project related off-road and heavy duty on-road equipment emissions for compliance with this requirement. Operators of vehicles and equipment found to exceed opacity limits will be notified by APCD and the equipment must be repaired within 72 hours. (California Code of Regulations, Title 13, Sections 2180 – 2194) *The project shall comply with all applicable Placer County Air Pollution Control District rules and regulations, and shall obtain applicable permits and/or clearances from the District prior to the start of construction.* • The contractor shall use CARB ultra-low sulfur diesel fuel for all diesel–powered equipment. In addition, low sulfur fuel shall be utilized for all stationary equipment. (California Standards for Motor Vehicle Diesel Fuel, title 13, article 4.8, chapter 9, California Code of Regulations). • Processes that discharge 2 pounds per day or more of air contaminants, as defined by Health and Safety Code Section 39013, to the atmosphere may require a permit. Permits are required for both construction and operation. Developers/contractors should contact the District prior to construction and obtain any necessary permits prior to the issuance of a Building Permit. (Rule 501) • Pursuant to the Placer County Air Pollution Control District Rule 501, General Permit Requirements, the proposed project may need a permit from the District prior to construction. In general, any engine greater than 50 brake horsepower or any boiler with heat greater than 1,000,000 Btu per hour shall require a permit issued by the District. (Rule 501) • All on-site stationary equipment which is classified as 50 hp or greater shall either obtain a state issued portable equipment permit or a Placer County APCD issued portable equipment permit. (California Portable Equipment Registration Program, Section 2452). • The contractor shall utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary diesel power generators if feasible. • During construction, the contractor shall minimize idling time to a maximum of 5 minutes for all diesel powered equipment. • During construction, traffic speeds on all unpaved surfaces shall be limited to 15 miles per hour or less. (Rule 228 / section 401.2)					
MM 4.5-1 Air Quality Measures Implementation of the Air Quality Mitigation Measures listed in Section 4.3 Air Quality would reduce operational and construction-related emissions of criteria air pollutants and precursors, and would also act to reduce GHG emissions associated with project construction and operation. Mitigation Measure 4.4-1 found in the Air Quality section of this EIR, is relevant to impact 4.5-1 because both criteria air pollutant and GHG emissions are frequently associated with combustion byproducts. In addition, the City shall implement the following measures to reduce direct and indirect GHG	The applicants shall submit construction management plans as part of the Grading Permit application. The Public Works Director shall review grading plans for inclusion of these measures prior to issuance of grading permits. The City Code	*Pre-Construction:* Prior to issuance of Grading Permits. Add as note on Improvement Plans and Building Plans	Director of Public Works shall ensure that dust and construction-control measures are implemented.		

emissions associated with the proposed project. Certain measures would already be components of the project (i.e., Specific Plan policies, design guidelines and standards), and/or would be applied consistent with the City's General Plan Policies, addressing GHG emissions and climate change, but are provided here for purposes of completeness. **MM 4.5-2 Additional Measures to Reduce GHG Emissions** For each new development within the project site requiring a discretionary approval (e.g., tentative subdivision map, conditional use permit), the City shall impose mitigation measures that reduce GHG emissions to the extent feasible and to the extent appropriate with respect to the state's progress at the time toward meeting GHG emissions reductions required by the California Global Warming Solutions Act of 2006 (AB 32). The City shall require feasible reduction measures that, in combination with existing and future regulatory measures developed under AB 32, will reduce GHG emissions associated with the operation of developments and supporting infrastructure that are part of the proposed project by 30% from business-as-usual emissions levels projected for 2025, if feasible.	Enforcement Officer shall respond to complaints. In addition, plans will be reviewed by the Placer County Air Pollution Control District for compliance with their rules and regulations.				
MM 4.14-1 Site Lighting to Minimize Nuisance Light producing uses, such as ball fields, within the SVSP Area shall be located and oriented to minimize visual impacts on adjacent residential areas. Lighting should be shielded and designed to distribute light in the most effective and efficient manner, using the minimum amount of light to achieve the necessary illumination for the use, as defined by suggested lighting standards for competitive play. **MM 4.14-2 Use Low Glare Materials** In order to reduce the effects of daytime glare from development of commercial or office uses within the SVSP Area, building developers should make use, when feasible, of low-glare materials. **MM 4.14-3 Avoid Light Spill Over into Curry Creek and Open Space Areas** Outdoor lighting shall be placed, designed and directed so as to avoid light spillover into the habitat of Curry Creek and the Open Space Preserve areas located immediately adjacent to the open space, as shown on the Land Use Map as parcels KT-1, KT-40, KT-30, KT-41, DF-1, DF-2, DF-40, CG-1, CG-82m JM-21, JM-3, and JM-4.	Comply with the measure	*Pre-Construction:* Ensure fixtures shown on Improvement Plans and Building Plans comply with the measure.	Engineering and Building	None	

Outdoor lighting shall be placed, designed and directed so as to avoid light spillover into the habitat of Curry Creek and the Open Space Preserve areas located immediately adjacent to the open space, as shown on the Land Use Map as parcels KT-1, KT-40, KT-30, KT-41, DF-1, DF-2, DF-40, CG-1, CG-82m JM-21, JM-3, and JM-4.		Add as note on Improvement Plans and Building Plans			
MM 4.6-1 Construction Noise Reduction **MM 4.6-1(a):** Construction activities shall comply with the requirements of the City of Roseville Noise Ordinance. **MM4.6-1(b):** Locate fixed construction equipment such as compressors and generators as far as possible from sensitive receptors. Shroud or shield all impact tools, and muffle or shield all in-take and exhaust ports on power construction equipment. **MM 4.6-1(c):** Designate a construction disturbance coordinator and conspicuously post the Coordinator's contact information around the project site and in adjacent public spaces. The disturbance coordinator will receive all public complaints about construction noise disturbances, and will be responsible for determining the cause of the complaint, and implementing any feasible measures to be taken to alleviate the problem. **MM 4.6-1(d):** Well drilling shall occur prior to construction of the adjacent subdivision, to the extent feasible. If construction timing for the wells occurs after subdivision construction, then measures to reduce noise shall include; hanging flexible sound control curtains around the drilling apparatus, and the drill rig, to the degree feasible, as determined by the Environmental Utilities Director, if located within 1,000-feet of an occupied residence.	Discuss during pre-construction meeting and comply with the measure.	*Pre-Construction and Construction*: During construction for MM 4.6-1(d), and prior to issuance of Improvement Plans and/or Building Permits for all others. Add as note on Improvement Plans and Building Plans	Engineering staff to discuss this measure during pre-construction meeting and ensure posting has occurred. Environmental Utilities to address well drilling.	None	
MM 4.6-2 Commercial Noise Controls For all commercial uses within 150 feet of residential uses, the developer shall implement the following or equally effective measures: In general, where commercial land uses adjoin residential property lines, the following measures should be included in the design of the commercial use. If the primary noise sources are parking lot noise, HVAC equipment and light truck deliveries, then 6-7 foot tall masonry walls shall be constructed to provide adequate isolation of parking lot and delivery truck activities. HVAC equipment shall be located either at ground level, or when located on roof-tops the building facades shall include parapets for shielding.	The Planning Department shall review development proposals to ensure that the uses are compatible	*Prior to issuance of Building Permits*	The Planning Director shall review all commercial plans and ensure that appropriate measures are implemented.		

MM 4.8-3 Avoid Nesting Sites To ensure that fully protected bird and raptor species are not injured or disturbed by construction in the vicinity of nesting habitat, the project applicant shall implement the following measures: *Raptors* a) When feasible, all tree removal shall occur between August 30th and February 15th to avoid the breeding season of any raptor species that could be using the area, and to discourage hawks from nesting in the vicinity of an upcoming construction area. b) For Swainson's hawk, if avoidance of tree removal outside the breeding season is not feasible, and a nest is present, the applicants would be required to obtain a 2081 permit from CDFG to mitigate for potential "take" under CESA. If no nesting is occurring, a take permit would not be required. c) Prior to the beginning of mass grading, including grading for major infrastructure improvements, during the period between February 15th and August 30th, all trees and potential burrowing owl habitat within 350 feet of any grading or earthmoving activity shall be surveyed for active raptor nests or burrows by a qualified biologist no more than 30-days prior to disturbance. If active raptor nests or burrows are found, and the site is within 350-feet of potential construction activity, a highly visible temporary fence shall be erected around the tree or burrow(s) at a distance of up to 350-feet, depending on the species, from the edge of the canopy to prevent construction disturbance and intrusions on the nest area. d) Preconstruction and non-breeding season exclusion measures shall be developed in consultation with CDFG, and shall preclude burrowing owl occupation of the portions of the project site subject to disturbance such as grading. Burrowing owls may be passively excluded from burrows in construction areas by placing one-way doors in the burrows according to CDFG protocol. The one-way doors must be in place for a minimum of three days. All burrows that may be occupied by burrowing owls regardless of whether they exhibit signs of occupation must be cleared with the one way doors. Burrows that have been cleared through the use of the one-way doors shall then be closed or backfilled to prevent owls from entering the burrow. e) No construction vehicles shall be permitted within restricted areas (i.e., raptor protection zones) unless directly related to the management or protection of the legally protected species. f) If a legally protected species nest is located in a tree designated for removal, the removal shall be deferred until after August 30th or until the adults and young of the year are no longer dependent on the nest site as determined by a qualified biologist. *Black Rails and Tri-colored Blackbirds* Prior to earth moving that would disturb marsh habitat, a qualified biologist shall conduct surveys to determine the presence of the California black rail. If either of these species is found, all earth moving within 250 feet shall stop and measures, including establishing nest protection buffers along both sides of Curry Creek during the nesting season (generally February 1 through August 31st) shall be implemented. *Rookeries* No heron rookeries are present within the plan area. Prior to earthmoving that would disturb marsh habitat or tree removal of the eucalyptus grove, pre-construction surveys should be conducted to verify that no rookeries have been established. If rookeries are present all earth moving within 250-feet shall stop, during the breeding season.	Results of preconstruction surveys shall be submitted prior to the issuance of a grading permit or Improvement Plans. Applicable construction restrictions shall be reflected within plans. The applicants shall prepare annual reports on the status and success of mitigation and shall submit these reports to USFWS and CDFG. The applicants shall coordinate with USFWS and CDFG to modify as necessary any mitigation plans in an effort to attain mitigation success.	*Pre-Construction and Construction*: Surveys required prior to construction. If surveys are positive for birds, then remainder of mitigation steps are required prior to construction. Add as note on Improvement Plans.	Engineering	Nesting bird surveys	

MM 4.13-1 Implementation of construction activity stormwater protection standards Prior to the issuance of a City grading permit and the commencement of construction activities, compliance with the State's General Construction permit, the City of Roseville's Construction Standards, and the City's Stormwater BMP Guidance Manual will be met. This includes the creation of a Storm Water Pollution Prevention Plan (SWPPP) that will identify the site, the location of sensitive habitats or watercourses, drainage areas, discharge locations, soil disturbance areas, and the locations of all runoff, erosion control, and sediment control Best Management Practices (BMPs). On-going monitoring and adjustments to the SWPPP will occur when needed to address changes in the field as construction activities evolve.	The developer shall create a SWPPP, submit it to the City, and comply with its provisions.	*Pre-Construction and Construction*: Submit SWPPP and ensure that BMPs remain in place during construction. Add as note on Improvement Plans and Building Plans.	Engineering	SWPPP	

MM 4.9-1 Cease Work and Consult with Qualified Archaeologist Should any cultural resources, such as structural features, any amount of bone or shell, artifacts, human remains, or architectural remains, be encountered during any subsurface development activities, work shall be suspended within 100-feet of the find. The City of Roseville Planning and Public Works Staff shall be immediately notified. At that time, the City of Roseville shall coordinate any necessary investigation of the site with qualified archaeologists as needed, to assess the resource (i.e., whether it is an "historical resource" or a "unique archaeological resource") and provide proper management recommendations should potential impacts to the resources be found to be significant. Possible management recommendations for important resources could include resource avoidance or, where avoidance is infeasible in light of project design or layout or is unnecessary to avoid significant effects, data recovery excavations. The contractor shall implement any measures deemed feasible and necessary by City staff, in consultation with the archaeologists, to be to avoid or minimize significant effects to the cultural resources. In addition, pursuant to Section 5097.98 or the State Public Resources Code, and Section 7050.5 of the State Health and Safety Code, in the event of the discovery of human remains, the County Coroner shall be immediately notified. If the remains are determined to be Native American, guidelines of the Native American Heritage Commission shall be adhered to in the treatment and disposition of the remains.	This condition shall be reflected in all construction and building plans, and construction site workers shall be advised by the site manager of this measure.	*Construction*: Measure applies if resources are discovered during construction. Add as note on Improvement Plans and Building Plans.	Engineering and Building	None	
Mitigation Measure 4.9-2 Cease Work and Consult with Qualified Paleontologist Should any evidence of paleontological resources (e.g. fossils) be encountered during grading or excavation, work shall be suspended within 100 feet of the find, and the City of Roseville shall be immediately notified. At that time, the City shall coordinate any necessary investigation of the site with a qualified paleontologist to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance, if feasible in light of project design or layout, or data recovery excavations. The contractor shall implement any measures deemed feasible and necessary by City staff in consultation with the paleontologist for the protection of the paleontological resources.	This condition shall be reflected in all construction and building plans, and construction site workers shall be advised by the site manager of this measure.	*Construction*: Measure applies if resources are discovered during construction. Add as note on Improvement Plans and Building Plans.	Engineering and Building	None	
Mitigation Measure 4.9-3 Conduct Studies Prior To Offsite Infrastructure Construction Prior to undertaking construction of off-site infrastructure, the City shall determine whether or not cultural resource surveys have been undertaken for any areas to be disturbed during construction. If surveys were conducted, the City shall document that any identified resources were treated as recommended in the studies. If no studies or surveys were conducted, the City shall ensure that a qualified archaeologist conducts the appropriate level of study. If resources are found, recommendations, including the possible management recommendations listed in MM 4.9-1 and MM4.9-2, shall be implemented to ensure that the resources are avoided, protected and/or recorded, as determined to be feasible and appropriate by City staff.	This condition shall be reflected in all construction and building plans, and construction site workers shall be advised by the site manager of this measure.	*Pre-Construction*: Prior to issuance of Grading Permits or Improvement Plans. Add as note on Improvement Plans.	Engineering and Building	Applicable studies	
MM 4.10-1 Identify Potential Hazardous Materials (soil contamination, tank or well sites, lead based paint and/or asbestos) Prior to site development in the SVSP, recommended testing and remediation, if needed shall occur. Groundwater wells shall be properly closed. If evidence of soil contamination, septic tanks, or other underground storage tanks are encountered in previously unidentified locations in the SVSP area, work shall cease until the area can be tested, and if necessary remediated and/or properly removed or closed. Remediation activities could include removal of contaminated soil, and/or onsite treatment. As part of the process, the City shall ensure that any necessary investigation and/or remediation activities are coordinated with the Roseville Fire Department, Placer County Division of Environmental Health, and if needed, other appropriate federal, state and local agencies. Once a site is remediated, construction can continue.	The applicants shall be responsible for conducting soil testing and/or recommendation of the Phase I environmental site assessments, if conditions are encountered which warrant such studies.	*Construction*: Applies if conditions found which warrant assessment (e.g. stained soils, underground tanks). Add as note on Improvement Plans.	Engineering and Fire	Phase I environmental assessment, if conditions warrant	
MM 4.12.4-2 Divert Construction Debris The applicants shall ensure a 50% reduction in the construction waste stream generated from development within the SVSP. In Developer contracts with construction contractors and their sub-contractors, the Developer shall require that construction waste be reduced by 50%. The Developer shall further require that contractors and sub-contractors submit records of diversion and disposal to the City's Environmental Utilities Department in order to verify compliance with this requirement.	Comply with the measure	*Construction:* Contractor to ensure diversion occurs during construction. Add as note on Improvement Plans and Building Plans.	Environmental Utilities	Records of diversion	

NOTE: This table is provided as a courtesy to the developer, to highlight the text of measures which are required to be placed on Improvement Plans and/or Building Plans. Refer to the applicable environmental document (e.g. Environmental Impact Report) for a full list of measures, and for context. Other measures may be applicable, but are not included here because they have already been completed or they are addressed via other mechanisms (e.g. development fees)

Rincon Consultants, Inc.
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Sacramento, California 95819
916-706-1374

June 19, 2025
Rincon Project No. 25-17301

Julie A. Margetich
Covenant Real Estate Group/PDS Health
2044 California Avenue
Corona, CA 92881
Via email: margetitchj@pacden.com

Subject: Noise Study for the Baseline Marketplace Project, Roseville, CA

Dear Julie:

Rincon Consultants, Inc. (Rincon) is pleased to provide this Noise Study prepared for the Baseline Marketplace Project (Project) to ensure that it is designed by the applicant and conditioned by the City of Roseville (City) to comply with the City's exterior noise standards. Rincon understands that the Study will be used to support CEQA findings in an addendum to the Sierra Vista Specific Plan (SVSP) EIR (City of Roseville 2010). Nearby noise-sensitive receptors (single-family residences) would be exposed to Project construction and operational noise. This noise study reviews detailed architectural plans provided by Covenant Real Estate Group, dated November 20, 2024. Fundamentals of noise and acoustics are included in Attachment A.

Project Description

The project site is located within the Sierra Vista Specific Plan (SVSP). The SVSP was adopted on May 5, 2010 and includes 2,064 acres west of Fiddyment Road and north of Baseline Road. The SVSP consists of a mix of land uses, including three large parcels (DF-40, DF-41, and DF-42) designated for Community Commercial land use at the northwest corner of Baseline Road and Fiddyment Road. The Project is a minor modification to the previously approved Major Project Permit to allow minor modifications to the approved site plan and building elevations for the construction of a Home Depot and a Target commercial building. The proposed Target loading dock operational hours would be from 4:00 a.m. to midnight, Monday through Sunday and the proposed Home Depot loading dock operational hours would be 24 hours a day Monday through Sunday. Furthermore, there is an existing 6-foot wall along the residential property lines to the north of the Project and a proposed 6-foot wall on the south side of San Fernando Road along the project northern property line.

Regulatory Setting

City of Roseville Municipal Code

The City of Roseville Noise Ordinance, Chapter 9.24 of the Municipal Code establishes procedures and policies for handling noise complaints within the City. The Noise Ordinance establishes limits on noise sources, such as amplified music or sound.

Section 9.24.100. – (Sound limits for sensitive receptors) provides noise level standards for sensitive receptors, as shown in Table 1. The RMC states that the following exterior noise standards apply to residential and commercial/industrial zones within the City.

Table 1 Sound Level Standards (For non-transportation or fixed sound sources)

Noise Zone	Daytime (7:00 a.m. to 10:00 p.m.)	Nighttime (10:00 p.m. to 7:00 a.m.)
Hourly Leq, dB	50 dB	45 dB
Maximum Level, dB	70 dB	65 dB

Source: City of Roseville Municipal Code Section 9.24-100

The Noise Ordinance exempts noise from private construction (e.g., construction, alteration or repair activities) between the hours of 7:00 a.m. and 7:00 p.m. Monday through Friday, and between the hours of 8:00 a.m. and 8:00 p.m. Saturday and Sunday; provided, however, that all construction equipment must be fitted with factory-installed muffling devices and that all construction equipment shall be maintained in good working order.

Groundborne Vibration Standards

Vibration sensitive receptors are similar to noise sensitive receptors, including residences and institutional uses such as schools, churches, and hospitals. However, vibration sensitive receptors also include buildings where vibrations may interfere with vibration-sensitive equipment. Vibration sensitive receptors near the site include residential properties approximately adjacent to the northern boundary of the Project site.

Vibration limits used in this analysis to determine a potential impact to local land uses from construction activities, such as, vibratory compaction or excavation, are based on information contained in the 2018 FTA *Transit Noise and Vibration Impact Assessment Manual*. Groundborne vibration levels that could induce potential architectural damage to buildings are identified in Table 2. Based on FTA recommendations, limiting vibration levels to below 0.2 in/sec peak particle velocity (PPV) at non-engineered timber and masonry buildings (which would apply to the nearby residential building structures) would prevent architectural damage.

Table 2 Groundborne Vibration Architectural Damage Criteria

Building Category	PPV (in/sec)
I. Reinforced concrete, steel, or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12

in/sec = inches per second; PPV = peak particle velocity
Source: FTA 2018

Project Impacts

Analysis in Previous Environmental Documents

The SVSP EIR analyzes noise on pages 4.6-1 through 4.6-56 and finds operational noise impacts to be less than significant and impacts from construction noise and vibration would be less than significant with implementation of the following mitigation measures which would be applicable to the Project:

MM 4.6-1 Construction Noise Reduction

MM 4.6-1(a): Construction activities shall comply with the requirements of the City of Roseville Noise Ordinance.
MM 4.6-1(b): Locate fixed construction equipment such as compressors and generators as far as possible from sensitive receptors. Shroud or shield all impact tools, and muffle or shield all in-take and exhaust ports on power construction equipment
MM 4.6-1(c): Designate a construction disturbance coordinator and conspicuously post the Coordinator's contact information around the Project site and in adjacent public spaces. The disturbance coordinator will receive all public complaints about construction noise disturbances, and will be responsible for determining the cause of the complaint, and implementing any feasible measures to be taken to alleviate the problem.
MM 4.6-1(d): Well drilling shall occur prior to construction of the adjacent subdivision, to the extent feasible. If construction timing for the wells occurs after subdivision construction, then measures to reduce noise shall include; hanging flexible sound control curtains around the drilling apparatus, and the drill rig, to the degree feasible, as determined by the Environmental Utilities Director, if located within 1,000-feet of an occupied residence.

MM 4.6-2 Commercial Noise Controls

For all commercial uses within 150 feet of residential uses, the developer shall implement the following or equally effective measures:

- In general, where commercial land uses adjoin residential property lines, the following measures should be included in the design of the commercial use. If the primary noise sources are parking lot noise, HVAC equipment and light truck deliveries, then 6 - 7 foot-tall masonry walls shall be constructed to provide adequate isolation of parking lot and delivery truck activities. HVAC equipment shall be located either at ground level, or when located on roof-tops the building facades shall include parapets for shielding.
- Where commercial uses adjoin common residential property lines, and loading docks or truck circulation routes face the residential areas, the following mitigation measures shall be included in the Project design:
    - Loading docks and truck delivery areas shall maintain a minimum distance of 30 feet from residential property lines;
    - Property line barriers shall be 6 to 8 feet in height. Circulation routes for trucks should be located a minimum of 30-feet from residential property lines;
    - All heating, cooling and ventilation equipment shall be located within mechanical rooms where possible;
    - All heating, cooling and ventilation equipment shall be shielded from view with solid barriers;
    - Emergency generators shall comply with the local noise criteria at the nearest noise-sensitive receivers;
    - In cases where loading docks or truck delivery circulation routes are located less than 100 feet from residential property lines, an acoustical evaluation shall be submitted to verify compliance with the City of Roseville Noise Level Performance Standards

Project Specific Impacts

a. *Would the Project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

Construction Noise

Impacts related to construction noise were adequately addressed in the SVSP EIR as it relates to the proposed Project, and were previously identified as significant and unavoidable for temporary construction noise and increases in traffic noise outside the plan area. Construction noise in general was discussed, and addressed via mitigation.

Mitigation Measure MM 4.6-1 (construction noise), was applied in the SVSP EIR related to commercial and residential projects. Construction noise controls in the mitigation includes located fixed equipment away from noise sensitive uses and having a construction disturbance coordinator to address noise concerns. This mitigation measure remains applicable to the proposed Project. Therefore, with implementation of the mitigation measures, impacts would not be more severe than those analyzed in the SVSP EIR.

Mechanical Equipment

The primary mechanical equipment noise generator from the Project would be HVAC units. Based on review of various manufacturer specifications for commercial applications, a representative sound power noise level of 83 dBA, which is equivalent to a sound pressure (SPL) noise level of 75 dBA L_{eq} at 3 feet for a 10-ton Carrier 50LCH was selected (see Attachment B for manufacturer's specifications). Units were conservatively assumed to be located on the rooftop, based on the plans provided by the Covenant Real Estate Group (Covenant 2024). The nearest property line from the edge of the roof of the proposed Home Depot building is approximately 140 feet to the north. Accounting for at least 5 dBA reduction from the roof parapet at the roof edge, at a distance of 140 feet, noise levels from three HVAC units would be 42 dBA L_{eq}. For a conservative scenario, the units were assumed to operate at 100 percent of an hour for 24 hours, and does not account for shielding from building height or operational hours. This would be below the nighttime exterior noise level in the City of Roseville Municipal Code Section 9.24-100 of 45 dBA L_{eq} at the residential property line to the north. Mitigation Measure 4.6-2 would apply to the Project and if HVAC is located on roof-tops, the building facades shall include parapets for shielding. Therefore, impacts would not be more severe than those analyzed in the SVSP EIR.

Loading Dock Noise

Mitigation Measure 4.6-2 would apply to the Project with the truck circulation routes maintaining more than a 30 foot distance from a residential property line. In addition, there is an existing 6-foot wall along the residential property lines to the north of the Project and a proposed 6-foot wall on the south side of San Fernando Road along the project northern property line. Potential truck activities on-site include three loading bays at the proposed Home Depot and four loading bays at the proposed Target on the northern sides of the buildings. Noise from truck and unloading activities at the loading docks would generate noise that has the potential to increase noise at nearby sensitive receptors. The noise scenarios analyzed for loading activities included these seven bays generating noise levels at the nearest residential property line to the north. Analyzing all seven bays operating at once is a

conservative assumption as the diesel trucks would idle no more than 5 minutes during each loading/unloading operation per State idling regulations (CCR Title 13, Section 2485. The closest edge of the loading dock area for Home Depot would be located approximately 180 feet from the nearest property line to the north and edge of the loading dock area for Target would be located approximately 190 feet from the nearest property line to the north. Noise from one loading dock is approximately 40 dBA L_{eq} at 50 feet or 75 dBA L_{max} at 50 feet (Placeworks 2012). Accounting for the noise reduction from the existing 6-foot wall along the residential property lines to the north of the proposed San Fernando Road, combined noise levels from all seven loadings docks combined would be approximately 31 dBA L_{eq} or 58 dBA L_{max}. shown in Attachment C. This would be below the nighttime exterior noise level in the City of Roseville Municipal Code Section 9.24-100, of 45 dBA L_{eq} or 65 dBA L_{max} at the residential property line to the north. Furthermore, this provides a conservative estimate of noise reduction, as it does not account for additional noise reduction from the proposed 6-foot wall on the south side of San Fernando Road, pursuant to the COA for the project. Therefore, impacts would not be more severe than those analyzed in the SVSP EIR.

Combined Operational Noise

The combined noise level of the seven loading docks and three HVAC units would be 42 dBA L_{eq}. These noise levels would be below the nighttime exterior noise level in the City of Roseville Municipal Code Section 9.24-100 of 45 dBA L_{eq} at the residential property line to the north. Therefore, impacts would not be more severe than those analyzed in the SVSP EIR.

Traffic Noise

Noise was determined to be an impact for all of the major roadways in the SVSP area. Traffic-related noise levels expected in the year 2025 plus Project were found to be significant and unavoidable.

Existing and future noise from Baseline Road was estimated to be approximately 66 db in the exiting plus SVSP Project condition and 71.7 db at full buildout (at a point 100 feet from the centerline). The Project would not add additional on-road vehicle trips than were already accounted for. Therefore, the proposed Project is within the scope of the transportation impacts analyzed in the SVSP EIR and would not result in new or increased impacts related to roadway noise.

☑ **LESS THAN SIGNIFICANT OR LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED**

b. Would the Project result in generation of excessive groundborne vibration or groundborne noise levels?

Groundborne Vibration

Construction activities have the greatest potential to generate ground-borne vibration affecting nearby receptors, especially during paving of the Project site. Construction activities known to generate excessive groundborne vibration, such as pile driving and blasting, would not be needed to construct the proposed Project. The greatest vibratory source during construction in the Project vicinity could be a roller used during paving. Construction vibration estimates are based on vibration levels reported by the FTA (FTA 2018). Table 3 shows typical vibration levels for various pieces of construction equipment used in the assessment of construction vibration.

Table 3 Construction Vibration Levels

Equipment	in/sec PPV	
	Reference Level 25 Feet	Single-Family Residential Buildings to the North 35 Feet
Vibratory Roller	0.210	0.127
Large Bulldozer	0.089	0.054
Loaded Trucks	0.076	0.046
Small Bulldozer	0.003	0.002
Threshold		0.2
Threshold Exceeded?		**No**

Source: FTA 2018
PPV = peak particle velocity; in/sec = inches per second
Notes: Vibration analysis worksheets are included in Attachment B.

Based on the recommendations of the FTA, limiting vibration levels to below 0.2 in/sec PPV at residential structures would prevent architectural damage regardless of building construction type. Based on construction equipment assumptions, the greatest anticipated source of vibration during Project construction activities would be from a vibratory roller, which could be used during paving. Based on the Project site plan, it is assumed the vibratory roller may be used within 35 feet of the nearest off-site structure to the north of the Project site during paving activities. A vibratory roller generates approximately 0.210 in/sec PPV at 25 feet (FTA 2018). This would equal a vibration level of 0.127 in/sec PPV at a distance of 35 feet, which would not exceed the architectural damage criterion at the adjacent off-site residences to the north of 0.2 in/sec PPV for non-engineered timber and masonry buildings. Therefore, impacts would not be more severe than those analyzed in the SVSP EIR.

Operation of the proposed Project would not include substantial sources of vibration. Therefore, the operation of the proposed Project would have no impact on exposure to excessive groundborne vibration or groundborne noise levels.

☑ **LESS THAN SIGNIFICANT OR LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED**

c. *For a Project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the Project site to excessive noise levels?*

McClellan Airport is located approximately 4.5 miles to the south and there are no other public airports within two miles of the Project site. Therefore, no substantial noise exposure from airport noise would occur, and the Project impact would not be more severe than those analyzed in the SVSP EIR.

☑ **NO IMPACT**

Conclusion

Impacts related to construction noise were adequately addressed in the SVSP EIR as it relates to the proposed Project, and were previously identified as significant and unavoidable for temporary

construction noise and increases in traffic noise outside the plan area. Construction noise in general was discussed, and addressed via mitigation. Therefore, with implementation of the mitigation measures, impacts would not be more severe than those analyzed in SVSP EIR.

The Project would introduce sources of operational noise to the site, including HVAC and loading dock noise. The nearest single-family residences to the north of the Project would be exposed to a combined noise level of 42 dBA L_{eq} from HVAC equipment and loading dock noise which would not exceed the nighttime exterior noise standard of 45 dBA L_{eq} for residential uses. Therefore, impacts would not be more severe than those analyzed in the SVSP EIR.

Existing and future noise from Baseline Road was estimated to be approximately 66 db in the exiting plus SVSP Project condition and 71.7 db at full buildout (at a point 100 feet from the centerline). Therefore, the proposed Project is within the scope of the transportation impacts analyzed in the SVSP EIR, and would not result in new or increased impacts related to roadway noise.

Operation of the Project would not include any substantial vibration sources. Groundborne vibration from construction activities would not exceed the applicable vibration threshold. Therefore, vibration impacts would not be more severe than those analyzed in the SVSP EIR.

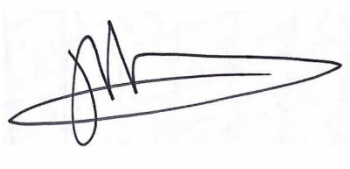
The Project is not located within two miles of any airport. Therefore, the proposed Project would not expose people working in the Project area to excessive aircraft overflight noise levels and impacts would not be more severe than those analyzed in the SVSP EIR.

* * *

This concludes the environmental noise assessment for the subject Project. If there are questions regarding the content of this letter report, please feel free to contact me at jmccandless@rinconconsultants.com or (805) 586-2492.

Sincerely,

Rincon Consultants, Inc.



Jesse McCandless
Noise Specialist

Josh Carman, INCE
Director

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Attachment A

Noise & Vibration Fundamentals and Common Definitions

Fundamentals of Noise & Vibration

Noise

Overview of Sound Measurement

Sound is a vibratory disturbance created by a moving or vibrating source, which is capable of being detected by the hearing organs. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired and may therefore be classified as a more specific group of sounds. The effects of noise on people can include general annoyance, interference with speech communication, sleep disturbance, and, in the extreme, hearing impairment (California Department of Transportation [Caltrans] 2013).

Noise levels are commonly measured in decibels (dB) using the A-weighted sound pressure level (dBA). The A-weighting scale is an adjustment to the actual sound pressure levels so that they are consistent with the human hearing response, which is most sensitive to frequencies around 4,000 Hertz and less sensitive to frequencies around and below 100 Hertz (Kinsler, et. al. 1999). Decibels are measured on a logarithmic scale that quantifies sound intensity in a manner similar to the Richter scale used to measure earthquake magnitudes. A doubling of the energy of a noise source, such as doubling of traffic volume, would increase the noise level by 3 dBA; reducing the energy in half would result in a 3 dBA decrease (Crocker 2007).

Human perception of noise has no simple correlation with sound energy: the perception of sound is not linear in terms of dBA or in terms of sound energy. Two sources do not "sound twice as loud" as one source. It is widely accepted that the average healthy ear can barely perceive changes of 3 dBA, increase or decrease (i.e., twice the sound energy); that a change of 5 dBA is readily perceptible (eight times the sound energy); and that an increase (or decrease) of 10 dBA sounds twice (half) as loud (10.5 times the sound energy) (Crocker 2007).

Sound changes in both level and frequency spectrum as it travels from the source to the receiver. The most obvious change is the decrease in level as the distance from the source increases. The manner by which noise reduces with distance depends on factors such as the type of sources (e.g., point or line, the path the sound will travel, site conditions, and obstructions). Noise levels from a point source typically attenuate, or drop off, at a rate of 6 dBA per doubling of distance (e.g., construction, industrial machinery, ventilation units). Noise from a line source (e.g., roadway, pipeline, railroad) typically attenuates at about 3 dBA per doubling of distance (Caltrans 2013). The propagation of noise is also affected by the intervening ground, known as ground absorption. A hard site, such as a parking lot or smooth body of water, receives no additional ground attenuation and the changes in noise levels with distance (drop-off rate) result from simply the geometric spreading of the source. An additional ground attenuation value of 1.5 dBA per doubling of distance applies to a soft site (e.g., soft dirt, grass, or scattered bushes and trees) (Caltrans 2013). Noise levels may also be reduced by intervening structures; the amount of attenuation provided by this "shielding" depends on the size of the object and the frequencies of the noise levels. Natural terrain features such as hills and dense woods, and man-made features such as buildings and walls, can significantly alter noise levels. Generally, any large structure blocking the line of sight will provide at least a 5-dBA reduction in source noise levels at the receiver (Federal Highway Administration [FHWA] 2011). Structures can substantially reduce exposure to noise as well. The FHWA's guidelines indicate that modern building construction generally provides an exterior-to-interior noise level reduction of 20 to 35 dBA with closed windows.

The impact of noise is not a function of loudness alone. The time of day when noise occurs and the duration of the noise are also important factors of project noise impact. Most noise that lasts for more than a few seconds is variable in its intensity. Consequently, a variety of noise descriptors have been developed. One of the most frequently used noise metrics is the equivalent noise level (L_{eq}); it considers both duration and sound power level. Typically, L_{eq} is summed over a one-hour period. L_{max} is the highest

sound pressure level within the sampling period, and L_{min} is the lowest sound pressure level within the measuring period (Crocker 2007).

Noise that occurs at night tends to be more disturbing than that occurring during the day. Community noise is usually measured using Day-Night Average Level (L_{dn}), which is the 24-hour average noise level with a +10 dBA penalty for noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours; it is also measured using Community Noise Equivalent Level (CNEL), which is the 24-hour average noise level with a +5 dBA penalty for noise occurring from 7:00 p.m. to 10:00 p.m. and a +10 dBA penalty for noise occurring from 10:00 p.m. to 7:00 a.m. (Caltrans 2013a). Noise levels described by L_{dn} and CNEL usually differ by about 1 dBA. The relationship between the peak-hour L_{eq} value and the L_{dn}/CNEL depends on the distribution of traffic during the day, evening, and night. Quiet suburban areas typically have CNEL noise levels in the range of 40 to 50 dBA, while areas near arterial streets are in the 50 to 60-plus CNEL range. Normal conversational levels are in the 60 to 65-dBA L_{eq} range; ambient noise levels greater than 65 dBA L_{eq} can interrupt conversations (Federal Transit Administration [FTA] 2018).

Vibration

Groundborne vibration of concern in environmental analysis consists of the oscillatory waves that move from a source through the ground to adjacent structures. The number of cycles per second of oscillation makes up the vibration frequency, described in terms of Hertz (Hz). The frequency of a vibrating object describes how rapidly it oscillates. The normal frequency range of most groundborne vibration that can be felt by the human body starts from a low frequency of less than 1 Hz and goes to a high of about 200 Hz (Crocker 2007).

While people have varying sensitivities to vibrations at different frequencies, in general they are most sensitive to low-frequency vibration. Vibration in buildings, such as from nearby construction activities, may cause windows, items on shelves, and pictures on walls to rattle. Vibration of building components can also take the form of an audible low-frequency rumbling noise, referred to as groundborne noise. Groundborne noise is usually only a problem when the originating vibration spectrum is dominated by frequencies in the upper end of the range (60 to 200 Hz), or when foundations or utilities, such as sewer and water pipes, physically connect the structure and the vibration source (Federal Transit Administration [FTA] 2018). Although groundborne vibration is sometimes noticeable in outdoor environments, it is almost never annoying to people who are outdoors. However, the primary concern from vibration is that it can be intrusive and annoying to building occupants and vibration-sensitive land uses.

Vibration amplitudes are usually expressed in peak particle velocity (PPV) or root mean squared (RMS) vibration velocity. The PPV and RMS velocity are normally described in inches per second (in/sec). PPV is defined as the maximum instantaneous positive or negative peak of a vibration signal. PPV is often used in monitoring of blasting vibration because it is related to the stresses that are experienced by buildings (Caltrans 2020).

Attachment B

HVAC Manufacturers Specifications

Advanced Product Data

WeatherExpert®
Packaged High Outdoor Air Systems
6 to 10 Nominal Tons

48LC*H Sizes 07-12
Packaged Direct Expansion (DX) Cooling With Gas Heat
50LC*H Sizes 07-12
Packaged Direct Expansion (DX) Cooling With No Heat or Electric Heat

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Overview

Carrier's WeatherExpert® packaged high outdoor air systems offer high efficiency, application flexibility, and rugged performance, while being easy to install, simple to maintain, and delivering the reliability you expect from Carrier.

The Carrier WeatherExpert 48/50LC*H packaged high outdoor air system is a special configuration of the Carrier WeatherExpert 48/50LC packaged rooftop unit that has been optimized for use in applications requiring high percentages of outdoor air (up to 100%).

The 48/50LC*H optimization includes the addition of new features and options, such as modulating hot gas reheat, modulating heat, and a low-load protection valve, that allows the unit to operate at a wide range of entering air conditions and airflows needed for high outdoor air operation.

Carrier SmartVu™ controls have also been added to provide operation of the new modulating components and allow the control flexibility needed for use in a variety of high outdoor air applications.

NOTE: This document is an advanced release product data. The information contained within is subject to change, deletion or notation.

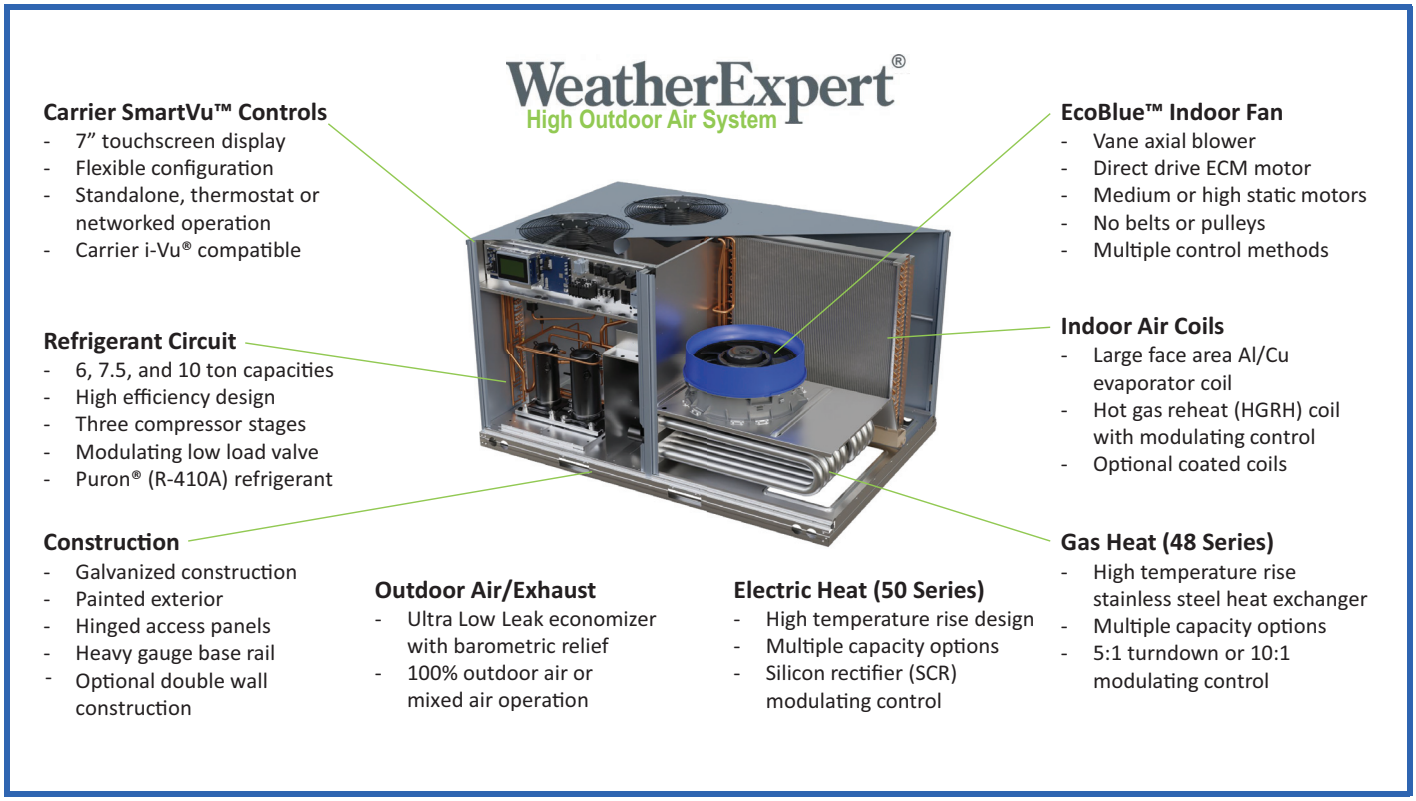

Table of contents

	Page
Overview	2
Features/Benefits	3
Model Number Nomenclature	5
Performance Ratings	7
Physical Data	9
Options and Accessories	12
Dimensions	17
Performance Data	40
Fan Data	45
Electrical Data	49
Typical Wiring Diagrams	53
Controls	56
Application Data	65
Equipment Sizing and Options	71
Guide Specifications	74

Performance ratings (cont)

48/50LC*H 07-12 Cooling Minimum – Maximum Airflow and Ambient Ratings[a,b]

UNIT SIZE	MAX AIRFLOW (cfm)	MIN AIRFLOW (cfm)	MAX OD AMBIENT TEMP (°F)	MIN OD AMBIENT TEMP (°F)
07	2250	780	125	40
08	2625	975	125	40
12	3500	1300	125	40

NOTE(S):

a. Maximum airflow is at full capacity. Minimum airflow is at minimum capacity.
b. Min/Max airflow and min/max ambient conditions may be limited by unit configuration, entering evaporator conditions or unit mode.

48LC*H 07-12 Heat Rating – Natural Gas and Propane[a,b,c]

UNIT SIZE	HEAT SIZE	MIN AIRFLOW (cfm)	MAX AIRFLOW (cfm)	INPUT (mbh)	THERMAL EFFICIENCY	MAX TEMP RISE (°F)	STD TURNDOWN (NG/LP)	HIGH TURNDOWN (NG/LP)
07	Low	780	2250	70	81%	63	5:1/3:1	N/A
	Medium			105		90		
	High			140		114		
08	Low	975	2625	80		58	5:1/3:1	N/A
	Medium			120		83		
	High			160		104		10:1/6:1
12	Low	1300	3500	120		65		N/A
	Medium			160		83		10:1/6:1
	High			200		98		

NOTE(S):

a. Heat ratings are for natural gas heat exchangers operated at or below 2000 ft (610 m). For information on propane or altitudes above 2000 ft (610 m), see the Application Data section of this book. High Altitude Accessory kits are required for high altitude operation.
b. The gas heat input rating for altitudes above 2000 ft (610 m) must be derated by 4% for each 1000 ft (305 m).
c. All gas heaters are factory configured for natural gas. An accessory LP conversion kit is available for field conversion to LP heat.

LEGEND

NG — Natural Gas
LP — Liquid Propane

50LC*H 07-12 Heat Rating – Electric Heat

UNIT SIZE	HEAT SIZE	MIN AIRFLOW (cfm)	MAX AIRFLOW (cfm)	NOMINAL kW (208/230/460/575-v)	MAX TEMP RISE (°F)	CONTROLS
07	Medium	780	2250	7.8/9.6/10.6/TBD	42/46/72	SCR
	High			12/14.7/23/TBD	64/80/80	
08	Medium	975	2625	12/14.7/13.8/TBD	51/48/58	
	High			18.8/23/30.3/TBD	68/80/80	
12	Medium	1300	3500	12/14.7/13.8/TBD	38/36/80	
	High			18.8/23/30.3/TBD	60/80/80	

Sound Performance[a,b,c]

UNIT SIZE	COOLING STAGES	OUTDOOR SOUND (dB) at 60 Hz								
		A-Weighted	63	125	250	500	1000	2000	4000	8000
07	3	82	88.6	85.0	81.6	79.5	77.4	74.1	71.0	66.3
08	3	83	89.3	86.0	82.9	80.7	78.5	73.6	69.6	64.5
12	3	83	89.3	86.0	82.9	80.7	78.5	73.6	69.6	64.5

NOTE(S):

a. Outdoor sound data is measured in accordance with AHRI standard 270.
b. Measurements are expressed in terms of sound power. Do not compare these values to sound pressure values because sound pressure depends on specific environmental factors which normally do not match individual applications. Sound power values are independent of the environment and therefore more accurate.
c. A-weighted sound ratings filter out very high and very low frequencies, to better approximate the response of “average” human ear. A-weighted measurements for Carrier units are taken in accordance with AHRI standard 270.

LEGEND

dB — Decibel

Attachment C

Loading Dock Noise Modeling

Loading Dock Noise Modeling

25-17301 Baseline Marketplace										Loading Dock/Truck Noise Calculations				
Receptor: Residential to the North														
		Number of Truck Docks Per Building				Distance Attenuation (Feet)				Barrier Attenuation				
Metric	Ref @ 50 ft	3	4			180	190			8	5			**Total (dBA)**
L50	40.0	44.8	46.0			33.6	34.4			25.6	29.4			**31.0**
L25	42.0	46.8	48.0			35.6	36.4			27.6	31.4			**32.9**
L8	53.0	57.8	59.0			46.6	47.4			38.6	42.4			**43.9**
L2	54.0	58.8	60.0			47.6	48.4			39.6	43.4			**44.9**
Lmax	75.0	75.0	75.0			63.9	63.4			55.9	58.4			**60.3**

RCNM Appendix A: Practices for Calculating Estimated Shielding (fwha.dot.gov)

Atten (dB)	Instance
3	If a noise barrier or other obstruction (like a dirt mound) just barely breaks the line-of-sight between the noise source and the receptor
5	If the noise source is in a enclosure and/or barrier that has some gaps in it
5	If a noise source is enclosed or shielded with heavy vinyl noise curtain material (e.g., SoundSeal BBC-13-2" or equivalent)
8	If the noise source is completely enclosed OR completely shielded with a solid barrier located close to the source
10	If the noise source is completely enclosed AND completely shielded with a solid barrier located close to the source

References

1. Roadway Construction Noise Model User's Guide. Federal Highway Administration. FHWA-HEP-05-054.January 2006

2. Construction Noise Control Specification 721.560, Central Artery/Tunnel Project, Massachusetts Turnpike Authority, Boston, MA, 2002.

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4. "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety", Environmental Protection Agency, ONAC 550/9-74-004. Washington, DC, March 1974.

5. "Power Plant Construction Noise Guide". Bolt, Beranek, and Newman Inc. and Empire State Electric Energy Research Corp., Report No. 3321. New York, NY May 1977.

Stationary Health Risk Assessment

Baseline Marketplace Fuel Station Project

Prepared by:
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August 2025

TABLE OF CONTENTS

1.0 INTRODUCTION 5

1.1 Project Description 5

2.0 ENVIRONMENTAL SETTING 7

2.1 Climate and Meteorology 7
2.2 Toxic Air Contaminants 7
2.3 Sensitive Receptors 8

3.0 REGULATORY SETTING 10

3.1 Federal 10
3.2 State of California 10
3.3 Regional 11

4.0 SIGNIFICANCE CRITERIA AND METHODOLOGY 12

4.1 Health Risk Analysis Thresholds 12
4.2 Methodology 12

5.0 POTENTIAL HEALTH RISK IMPACTS 17

5.1 Carcinogenic Risk 17
5.2 Non-Carcinogenic Hazard 18
5.3 Conclusion 18

6.0 REFERENCES 19

Figures

Figure 1: Site Plan 7

Tables

Table 1: Sensitive Receptors 9
Table 2: Exposure Assumptions 15
Table 3: Carcinogenic Risk Assessment 17
Table 4: Chronic and Acute Hazards Assessment Results 18

Appendices

Appendix A: Modeling Data

LIST OF ABBREVIATED TERMS

A	absorption factor from inhalation
ASF	age sensitivity factor
AB	Assembly Bill
AT	averaging time
ATCM	Airborne Toxic Control Measure
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CPF	cancer potency factor
C_{air}	air concentration from model
C_i	air concentration of substance
DBR	daily breathing rate
DOORS	Diesel Off-Road Reporting System
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
Dose-air	dose through inhalation
ED	exposure duration
EF	exposure frequency
°F	degrees Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
HAP	hazardous air pollutant
HRA	health risk assessment
kg	kilogram
L	liter
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
mg	milligrams
$\mu g/m^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
PCAPCD	Placer County Air Pollution Control District
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program

REL	Reference Exposure Level
REL_i	Reference Exposure Level of substance
$Risk_{inh\text{-}res}$	residential inhalation cancer risk
SB	Senate Bill
SVAB	Sacramento Valley Air Basin
T-BACT	toxics best available control technology
TAC	Toxic Air Contaminant
TOG	Total Organic Gases
U.S. EPA	United States Environmental Protection Agency
VOC	volatile organic compound

1.0 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TACs) resulting from the implementation of the proposed Baseline Marketplace Fueling Station Project ("Project" or "proposed Project"). This HRA was prepared in accordance with the requirements of the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the Project. Technical data are included in Appendix A: Modeling Data.

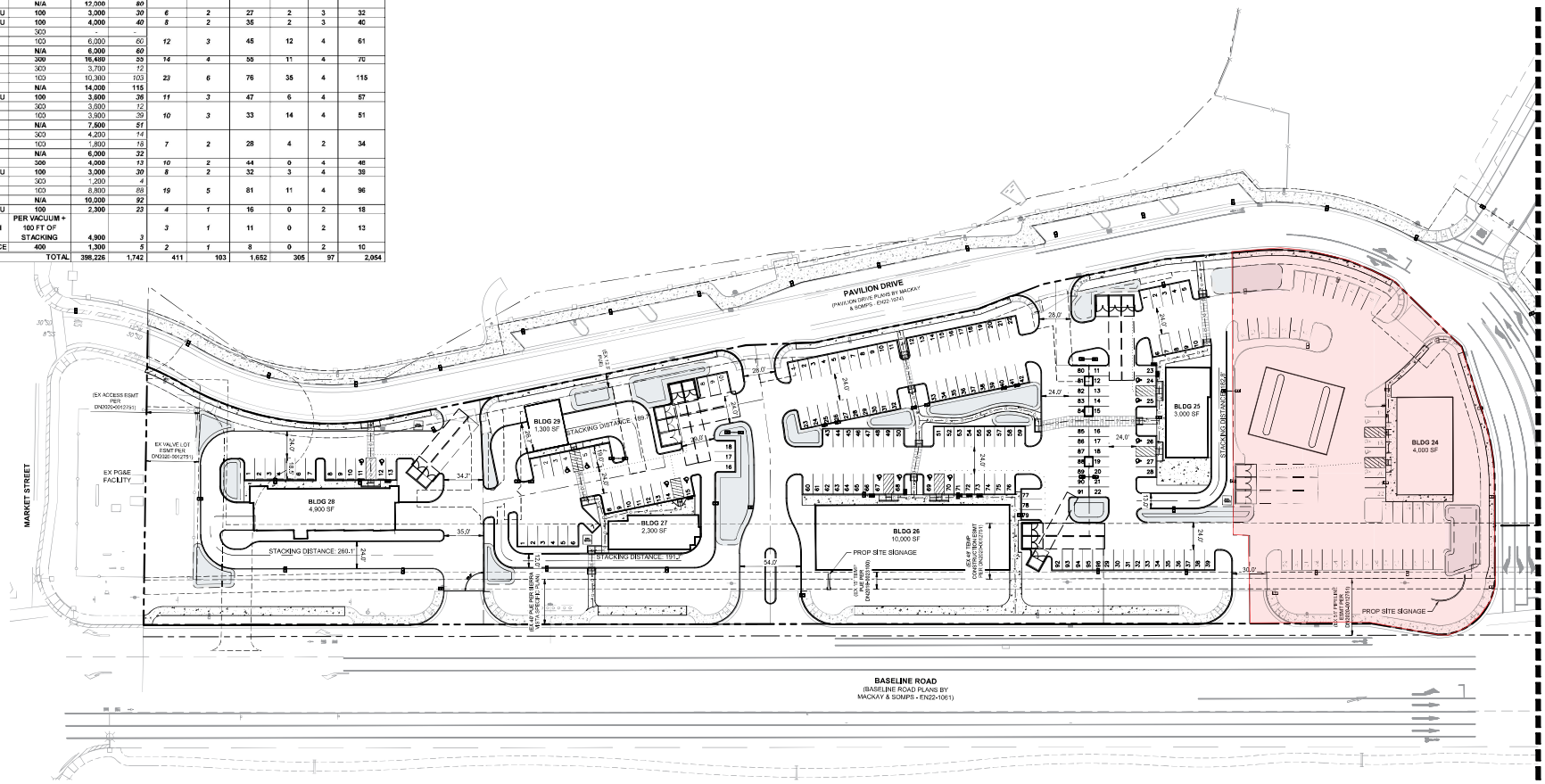
1.1 Project Description

The Project site is in the City of Roseville, California. The Project site consists of vacant, undeveloped land. The Project site is bordered by Baseline Road to the south, Pavilion Drive to the north and east, vacant land and future commercial use to the west. The surrounding area is primarily vacant or newly constructed residential communities.

The Project proposes to develop the existing vacant property with one approximately 4,000 square foot single story convenience store and would also provide four (4) pumps and eight (8) gasoline refueling stations; refer to Exhibit 1: Site Plan. The Project includes 44 automobile parking spaces.

Access to the Project site would be provided via two proposed driveways, one along Pavilion Drive and the other off Baseline Road. Landscaping would be provided along the boundaries of the Project site and retaining walls would be located along the northern and southern boundaries.

LOT NUMBER	AREA (ACRE)	BUILDING NUMBER	USE	PARKING REQUIREMENT 1 PER SQ FT	BUILDING AREA (SF)	REQ. PARKING	REQ. EV CAPABLE STALLS	REQ. EV CHARGERS	STANDARD STALLS	COMPACT STALLS	ADA STALLS	PARKING TOTAL
2	10.91	2	RETAIL	300	107,548	358	54	23	366	93	9	468
3	12.04	3	RETAIL	300	148,000	493	107	27	441	80	12	533
4	0.89	4	BANK	250	4,000	16	6	1	25	2	2	29
5	2.53	5 A-C	RETAIL	300	11,100	37						
			FOOD	100	6,000	60	19	5	81	10	6	97
			TOTAL	N/A	17,100	97						
6	1.15	6	DRIVE THRU	100	3,000	30	5	1	18	2	4	24
7	0.69	7	RETAIL	300	4,500	15	5	1	21	2	2	25
8	2.22	5 A-B	RETAIL	300	14,000	47						
			FOOD	100	2,000	20	23	6	93	8	12	113
			TOTAL	N/A	16,000	67						
9	1.88	9 A-B	RETAIL	300	6,000	20						
			FOOD	100	6,000	60	16	4	69	8	4	81
			TOTAL	N/A	12,000	80						
10	1.24	10	DRIVE THRU	100	3,000	30	6	2	27	2	3	32
11	1.41	11	DRIVE THRU	100	4,000	40	8	2	35	2	3	40
12	1.22	12	RETAIL	300	-	-						
			FOOD	100	6,000	60	12	3	45	12	4	61
			TOTAL	N/A	6,000	60						
13	2.07	13	RETAIL	300	16,480	55	14	4	55	11	4	70
14	2.21	14 A-B	RETAIL	300	3,700	12						
			FOOD	100	10,300	103	23	6	76	35	4	115
			TOTAL	N/A	14,000	115						
15	1.80	15	DRIVE THRU	100	3,600	36	11	3	47	6	4	57
16	0.90	16	RETAIL	300	3,600	12						
			FOOD	100	3,900	39	10	3	33	14	4	51
			TOTAL	N/A	7,500	51						
17	1.37	17	RETAIL	300	4,200	14						
			FOOD	100	1,800	18	7	2	28	4	2	34
			TOTAL	N/A	6,000	32						
24	1.57	24	FUEL	300	4,000	13	10	2	44	0	4	48
25	1.01	25	DRIVE THRU	100	3,000	30	8	2	32	3	4	39
26	1.77	26	RETAIL	300	1,200	4						
			FOOD	100	8,800	88	19	5	81	11	4	96
			TOTAL	N/A	10,000	92						
27	0.88	27	DRIVE THRU	100	2,300	23	4	1	16	0	2	18
28	1.33	28	CAR WASH	PER VACUUM + 100 FT OF STACKING	4,900	3	3	1	11	0	2	13
29	0.44	29	CAR SERVICE	400	1,300	5	2	1	8	0	2	10
				TOTAL	398,226	1,742	411	103	1,652	305	97	2,054

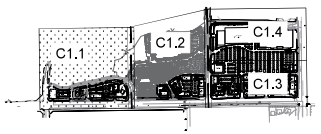


LEGEND

- PROJECT PROPERTY LINE
- EXISTING LOT LINE
- EASEMENT
- ROAD CENTERLINE
- 100-YR WSEL
- ACCESSIBILITY PATH
- TRASH ENCLOSURE ACCESSIBILITY PATH
- PROPOSED FENCE
- 6" VERTICAL CURB
- CURB AND GUTTER
- PROPOSED SIDEWALK
- EXISTING SIDEWALK
- VEGETATED SWALE
- PROPOSED BIORETENTION
- PROPOSED LIGHT POST
- PROPOSED TRANSFORMER
- PROPOSED EV CHARGER
- PROPOSED TREE WELL
- PROPOSED TRASH ENCLOSURE

GENERAL NOTES

1. ALL STANDARD PARKING STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
2. ALL COMPACT STALLS ARE 9' X 16' UNLESS OTHERWISE NOTED.
3. ALL ACCESSIBLE STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
4. PARKING STRIPING TO BE DOUBLE STRIPING PER CITY OF ROSEVILLE STANDARDS.
5. EV CHARGING STALL LOCATION AND QUANTITY ARE PRELIMINARY AND SUBJECT TO CHANGE AFTER COORDINATION WITH ROSEVILLE ELECTRIC.



KEY MAP
N.T.S

No.	REVISIONS	DATE	BY

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BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

SITE PLAN (SHEET 1 OF 4)

SHEET NUMBER
C1.1

Figure 1: Site Plan

2.0 ENVIRONMENTAL SETTING

2.1 Climate and Meteorology

The Project is located within the Sacramento Valley Air Basin (SVAB). This Basin comprises all of Butte, Colusa, Glenn, Placer, Sacramento, Shasta, Sutter, Tehama, Yolo, and Yuba counties, and the northern portion of Solano County. Air quality and dispersion of air pollution in an area is determined by such natural factors as topography, meteorology, and climate, coupled with atmospheric stability. The factors affecting the dispersion of air pollution with respect to the air basin are discussed below. The topography in the SVAB varies greatly, from flatlands on the west to mountains on the east. The region's topography influences air flow and the dispersal and movement of pollutants in the basin. The mountains to the east prevent air flow mixing and prohibit dispersal of pollutants in that direction. The SVAB portion of the PCAPCD is located within the Sacramento region non-attainment area for federal ozone standards. The PCAPCD, along with other local air districts in the Sacramento Region, are required to comply with the federal State Implementation Plan (SIP) to demonstrate when and how the region can attain the federal ozone standard.

2.2 Toxic Air Contaminants

Toxic Air Contaminants (TACs) are airborne substances capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous Air Pollutants (HAP) is a term used by the Federal Clean Air Act (FCAA) that includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten HAPs have been singled out through ambient air quality data as being the most substantial health risk in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders. The California Air Resources Board (CARB) provides emission inventories for only the larger air basins.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The requirements of the Air Toxic "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588) apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to the toxic emission inventory requirements of the act must prepare and submit toxic emission inventory plans and reports, and periodically update those reports. The Project is not subject to the requirements of AB 2588 as operations would not produce or emit toxic chemicals. OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, dated February 2015 (OEHHA Guidance) implementing AB 2588 further recognizes the high level of uncertainty and difficultly in assessing long-term cancer risks based on relatively short durations of Diesel Particulate Matter (DPM) emissions that occur during the site preparation and grading phases of residential construction projects.

In California, on-road diesel-fueled engines contribute approximately 51 percent of the statewide total DPM, with an additional 43 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units.[1] Stationary sources contribute about 6 percent of total DPM.[2] It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Reporting System (DOORS). The PERP and DOORS programs allow owners or operators of portable engines and certain other types of equipment can register their units in order to operate their equipment throughout California without having to obtain individual permits from local air districts.

As noted above, diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from DPM.[3]

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of 1 million people over a 70-year lifetime.[4] Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those OEHHA and CARB developed.

The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

2.3 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized TAC sources are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and

[1] California Air Resources Board, *California Toxics Inventory*, 2013. https://ww2.arb.ca.gov/california-toxics-inventory, accessed March 2025.
[2] Ibid.
[3] California Air Resources Board, *2020 Mobile Source Strategy*, https://ww2.arb.ca.gov/sites/default/files/2021-09/Proposed_2020_Mobile_Source_Strategy.pdf, September 28, 2021.
[4] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000, https://ww2.arb.ca.gov/sites/default/files/classic/diesel/documents/rrpfinal.pdf, accessed April 2025.

retirement homes. Sensitive land uses nearest to the Project are shown in Table 1: Sensitive Receptors.

Table 1: Sensitive Receptors

Receptor Description	Distance and Direction from the Project[1]
Single-family Residence	200 feet to the south
Single-family Residence	680 feet to the north
Single-family Residence	1,200 feet to the northwest

1. Distance measured from the Project site boundary line to the property line of the sensitive receptor.

Source: Google Earth, 2025; NearMap, 2025.

3.0 REGULATORY SETTING

3.1 Federal

Federal Clean Air Act

The FCAA was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the United States Environmental Protection Agency (U.S. EPA) issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the U.S. EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for attainment and maintenance of the NAAQS were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

Section 112 of the FCAA Amendments governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

3.2 State of California

California Air Resources Board

CARB's statewide comprehensive air toxics program was established in 1983 with AB 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions.

CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, AB 2588 was amended by Senate Bill (SB) 1731 which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

CARB Advanced Clean Fleets Regulation

CARB approved Advanced Clean Fleets Regulation (ACF) on April 28, 2023, which includes requirements for drayage trucks transporting cargo to and from California's intermodal seaports and railyards. Drayage trucks will be required to start transitioning to zero-emission technology beginning in 2024, with full implementation by 2035.

On January 13, 2025, California withdrew its request for federal approval of the ACF and is evaluating next steps. CARB will not enforce portions of the regulation requiring federal authorization, such as those affecting high-priority and drayage fleets. However, State and local government fleet requirements remain unchanged.[5]

3.3 Regional

Placer County Air Pollution Control District

The CCAA provides the Placer County Air Pollution Control District (PCAPCD) with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. An example of this would be the motor vehicles at an intersection, a mall, and on highways. As a State agency, CARB regulates motor vehicles and fuels for their emissions. PCAPCD published their 2017 CEQA Handbook Chapters which includes thresholds for criteria pollutant and health risk.

PCAPCD Rule 213-214, Gasoline Transfer into Stationary Storage Containers, Transfer of Gasoline into Vehicle Fuel Tanks

PCAPCD Rule 213 and 214, *Gasoline Transfer into Stationary Storage Containers* and *Transfer of Gasoline into Vehicle Fuel Tanks*, are designed to limit emissions of volatile organic compounds (VOCs) and gasoline from gasoline dispensing facilities. These rules prohibit the transfer or allowance of the transfer of gasoline into stationary tanks or vehicles at a gasoline dispensing facility unless a CARB-certified vapor recovery system is used.[6]

[5] California Air Resources Board, *ACF Waiver Update*, https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets, accessed August 2025.

[6] PCAPCD, https://www.placerair.org/DocumentCenter/View/1865/District-Rule-214-Transfer-of-Gasoline-into-Vehicle-Fuel-Tanks-PDF, accessed August 2024.

4.0 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Health Risk Analysis Thresholds

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the State CEQA Guidelines, the PCAPCD recommends that the following air pollution thresholds be used by lead agencies in determining whether the impacts from a project are significant. If the lead agency finds that a project has the potential to exceed the air pollution thresholds, then that project should be considered significant. The TAC thresholds are as follows.

- **Cancer Risk (Individual)**: Emit contaminants that equal or exceed the maximum individual incremental cancer risk equal to or greater than 10 in one million.
- **Non-Cancer Risk**: Emit contaminants that result in a chronic or acute hazard index equal to or greater than 1.0 (project increment).

Cancer risk is expressed in terms of expected incremental incidence per million population. As noted above, the PCAPCD has established an incremental increase rate of less than 10 in one million as the maximum acceptable incremental cancer risk due to TAC exposure. This threshold is an upper-bound incremental probability to determine whether or not a given project has a potentially significant development-specific and cumulative impact and to ensure an individual new source does not contribute a cumulatively significant impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed persons, would contract cancer if exposed continuously (24 hours per day) to the TAC levels over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these TACs.

The PCAPCD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). A REL is a concentration at or below which health effects are not likely to occur. A hazard index of less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

4.2 Methodology

This HRA evaluates potential health risks associated with the emission of TACs, specifically total organic gases (TOG) (i.e., benzene, ethylbenzene, naphthalene, n-Hexane, and propylene), resulting from Project implementation.

Operational Sources

This HRA evaluates potential health risks associated with the emission of TOG (i.e., benzene, ethylbenzene, naphthalene, n-Hexane, and propylene). Out of the toxic compounds emitted from gasoline stations, benzene, ethylbenzene, and naphthalene have cancer toxicity values. However, benzene is the TAC which drives the risk, accounting for 87 percent of cancer risk from gasoline vapors and constitutes more than three to four times the weight of gasoline than ethylbenzene and

naphthalene, respectively. Although n-Hexane, and propylene have adverse health effects, they are not classified as carcinogenic. Additionally, there are substances emitted from gasoline stations, such as toluene and xylene which possess acute adverse health effects (though not cancer risk). However, it is not until the benzene concentrations are more than two orders of magnitude above the 10 per million cancer risk that the emissions of toluene and xylene begin to cause adverse health effects, according to CARB's *Gasoline Service Station Industrywide Risk Assessment Guidelines*. Therefore, toluene and xylene emissions have not been modeled and are instead considered significant in the case that benzene concentrations are identified at two orders of magnitude above the 10 per million cancer risk.

Fueling Sources. TAC emissions would occur from the proposed on-site fuel storage tanks and fuel dispensers. The specific processes associated with fuel storage tanks and fuel dispensers that emit air toxics include loading, breathing, refueling, and spillage, as described below:

- Loading – Emissions occur when a fuel tanker truck unloads gasoline into the storage tanks. The storage tank vapors, displaced during loading, are emitted through its vent pipe. A required pressure/vacuum valve installed on the tank vent pipe significantly reduces these emissions.
- Breathing – Emissions occur through the storage tank vent pipe as a result of temperature and pressure changes in the tank vapor space.
- Refueling – Emissions occur during motor vehicle refueling when gasoline vapors escape through the vehicle/nozzle interface.
- Spillage – Emissions occur from evaporating gasoline that spills during vehicle refueling.

Fuel dispensing facility emissions were computed based on the maximum anticipated throughput of fuel (i.e., approximately 3.6 million gallons of gasoline per year[7]). TOG emissions were computed using CARB emission factors for fuel dispensing facilities, as well as average substance weight in vapor or liquid, as applicable; refer to Appendix A for the details of the calculations.[8] The emission factors conservatively do not reflect control technologies required by any vapor recovery regulations later than 2013 (such as Certification Procedure for Vapor Recovery Systems for Enhanced Conventional [ECO] Nozzles and Low Permeation Conventional Hoses for Use at Gasoline Dispensing Facilities [CP-207], Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities [CP-201]). These emissions factors are currently being updated by CARB.

Dispersion Modeling

The HRA's air dispersion modeling was performed using the American Meteorological Society (AMS) and U.S. Environmental Protection Agency (EPA) Regulatory Model (AERMOD). AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. AERMOD estimates hourly concentrations for each source/receptor pair and calculates concentrations for user-specified averaging times, including an average concentration for the complete simulation period. AERMOD includes atmospheric dispersion options for both urban and rural environments

[7] Fuel throughput provided by Applicant.
[8] California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 18, 2022.

and can address flat, gently rolling, and complex terrain situations. The modeling and analysis were prepared in accordance with guidance from PCAPCD, OEHHA, and CARB.[9] The parameters used in AERMOD include the following:

- **Meteorological Data**. AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. The latest five-year meteorological data set from the Sacramento International Airport (SMF) Station was obtained from Sacramento Metropolitan Air Quality Management District. Surface and upper air meteorological data from this monitoring station was selected as being the most representative for meteorology based on proximity to the Project site as well as terrain, surrounding land use, and surface characteristics.
- **Project Sources**. Emission sources were modeled in AERMOD; refer to Appendix A for a depiction of the source and receptor locations.
    - Fueling sources were modeled as a combination of volume and point sources.[10] Loading and breathing sources were modeled as point sources with a release height of 3.66 meters. Building downwash[11] was applied for the loading and breathing sources. Fueling and hose permeation were modeled as volume sources with a release height of 1.5 meters. Spillage was modeled as a volume source with a release height of 1 meter. Fueling sources were assumed to operate 24 hours a day.
- **Receptor Grid**. To identify the maximum impacted receptors, a uniform Cartesian grid was placed over the sensitive receptors in the site vicinity. Due to the size of the Project site, receptors were modeled with a maximum of 40-meter grid spacing.
- **Terrain Characteristics**. The United States Geological Survey (USGS) National Elevation Dataset (NED) terrain data was imported into AERMOD.
- **Averaging Times**. AERMOD was run to obtain the annual average (period) and 1-hour concentration in micrograms per cubic meter ($\mu g/m^3$) of TACs at the nearby sensitive receptors. According to the PCAPCD's guidance, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximally Exposed Individual Resident (MEIR), the maximum chronic hazard index, and the zones of impact.[12]

Risk and Hazard Assessment

Cancer Risk. Based on the OEHHA methodology, residential inhalation cancer risk from annual average TAC concentrations are calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging time, yielding the excess cancer risk. These factors are discussed in more detail below.

[9] Placer County Air Pollution Control District California, *Appendix G. Preparing a Health Risk Assessment for Land Use Projects*, 2017; Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidance Manual for Preparation of Health Risk Assessments*, February 2015; and California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 18, 2022.

[10] California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 18, 2022.

[11] Building downwash is applied to point sources in AERMOD to account for the potential for pollutants to be trapped in a recirculating pattern near buildings.

[12] CARB and CAPCOA. *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*. 2022
Available at: https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf.

Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = C_{air} * (BR/BW) * A * EF * 10^{-6}$$

Dose-air =	dose through inhalation (mg/kg/day)
C_{air} =	air concentration (µg/m^3) from air dispersion model
(DBR/BW) =	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A =	inhalation absorption factor (unitless)
EF =	exposure frequency (approximately 350 days per year for residential)
10^{-6} =	conversion factor (micrograms to milligrams, liters to cubic meters)

Table 2: Exposure Assumptions presents assumptions utilized to calculate cancer risk. The operational exposure duration totals 30 years for residents and 25 years for workers, consistent with PCAPCD methodology.

Table 2: Exposure Assumptions

Scenario	Age	Exposure Frequency (days/year)[1]	Exposure Duration (years)[1]	Age Sensitivity Factor (ASF)[2]	Fraction of Time at Home (FAH)[3]	Daily Breathing Rate (L/kg BW-day^2)[4,5]
Operations	**Residential**					
	Third trimester	350	0.25	10	85%	361
	0 to 2 years	350	2	10	85%	1090
	Ages 2 through 8 years	350	7	3	72%	631
	Ages 9 through 15 years	350	7	3	72%	572
	Ages 16 and greater	350	13.75	1	73%	261
	Worker	250	25	1	N/A	230

1. The exposure frequency is based on OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015 (OEHHA Manual); refer to OEHHA Manual Section 5.4.1, Estimation of Exposure through Inhalation.
2. The age sensitivity factor is based on OEHHA Manual Table 8.3, *Age Sensitivity Factors by Age Group for Cancer Risk Assessment*.
3. The fraction of time at home is based on OEHHA Manual Section 8.2.2, *Fraction of Time Spent at Home for Cancer Risk Assessment*.
4. Daily breathing rate normalized to body weight (L/kg body weight – day) (95th percentile for 3rd trimester to 2 years and 80th percentile for other age groups) per OEHHA Manual Table 5.7, *Daily Breathing Rate Distributions by Age Group for Residential Stochastic Analysis (L/kg BW-day)*.
5. Worker breathing rates are 95th percentile 8-hour breathing rates based on moderate intensity activity.

Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015; and PCAPCD, *Preparing a Health Risk Assessment for Land Use Projects*, 2017.

OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. However, OEHHA's ASF factors generally cannot validly be applied to project-level HRAs because neither the County nor PCAPCD have developed guidance or rules as to whether these factors should be used to analyze the DPM health risk associated with construction of a non-stationary-source land use project.[13] Nonetheless, ASFs were conservatively included in this Project-level HRA. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions is not occurring away from home. ASFs, FAH, and daily breathing rates are based on the OEHHA methodology.

[13] Stationary sources can include large power plants and refineries to the corner gas station. Many consumer products such as house paint, furniture varnish, and products containing solvents are also considered stationary sources.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$Risk_{inh\text{-}res} = (Dose_{air} * CPF * ASF * (ED/AT) * FAH)$$

$Risk_{inh\text{-}res}$ =	residential inhalation cancer risk (potential chances per million)
$Dose_{air}$ =	daily dose through inhalation (mg/kg-day)
CPF =	inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)
ASF =	age sensitivity factor for a specified age group (unitless)
ED =	exposure duration (years)
AT =	averaging time of lifetime cancer risk (years)
FAH =	fraction of time spent at home (unitless)

Chronic Non-Cancer Hazard. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Index} = C_i / REL_i$$

C_i =	concentration in the air of substance i (annual average concentration in $\mu g/m^3$)
REL_i =	chronic noncancer Reference Exposure Level for substance ($\mu g/m^3$)

Acute Non-Cancer Hazard. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. The equation is as follows:

$$\text{Acute HQ} = \text{Maximum Hourly Air Concentration } (\mu g/m^3) \text{ / Acute REL } (\mu g/m^3)$$

Health Risk Computation. A health risk computation was performed to determine the cancer risk and chronic/acute non-cancer risk using the approach described in the OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, dated February 2015 (OEHHA Guidance Manual). Health risks were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer risk to an individual as well as the chronic/acute non-cancer risk hazard index.

The individual cancer and chronic/acute non-cancer risks are based on the annual average concentration of TOG resulting from fueling activities on-site. As noted above, the chronic/acute and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA *Human Health Evaluation Manual* (1991) and the OEHHA Guidance Manual. The concentration estimates developed using this methodology are conservative and not a specific prediction of the actual concentrations that would occur at the Project site at any given point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and types of vehicles and equipment operating at specific distances during periods of adverse meteorology. The health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. Only the risk associated with the Project's worst-case location was assessed.

5.0 POTENTIAL HEALTH RISK IMPACTS

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. As the Project is proposed near existing residences, an analysis of DPM was performed using the U.S. EPA-approved AERMOD model.

TOG (i.e., benzene, ethylbenzene, naphthalene, n-hexane, and propylene) are also classified as TACs. Benzene, ethylbenzene, and naphthalene are of particular concern due to their prevalence in gasoline emissions and carcinogenic properties. The majority of benzene emitted in California comes from motor vehicles, including evaporative leakage and unburned fuel exhaust. TOG (benzene, ethylbenzene, naphthalene, n-hexane, and propylene) also have non-cancer health effects. However, only benzene, ethylbenzene, and naphthalene are carcinogenic. As the Project is proposing to dispense gasoline, an analysis of TOG (i.e., benzene, ethylbenzene, naphthalene, n-hexane, and propylene) was performed using the U.S. EPA-approved AERMOD model.

According to OEHHA, if multiple substances are emitted, the non-cancer risk from each of the individual substances is summed only if they affect the same organ system. While DPM is particularly associated with increased potential for lung cancer, diesel exhaust has many individual substances contained in it, including benzene. Therefore, the non-cancer risk from each of the Project-emitting substances, TOG, are summed to give the total non-cancer risk at the receptor location. Cancer risks from different substances are treated additively in the Hot Spots Program in part because many carcinogens act through the common mechanism of DNA damage. However, this assumption fails to take into account the limited information on substance interactions. The overall uncertainty in the cancer potency factors and the variability in the human population is probably far greater than the uncertainty from the assumption of additivity.

5.1 Carcinogenic Risk

Table 3: Carcinogenic Risk Assessment shows the health risk for fueling operations. Based on OEHHA Risk Assessment Guidelines, the exposure duration for a resident is 30 years, beginning with the third trimester, and the exposure duration for workers is 25 years. However, as no non-residential uses surround the Project site, the more conservative (longer exposure) residential risk was used. As shown in Table 3, maximum cancer risk at residential receptors would be less than one in one million. Therefore, the maximum cancer risk would not exceed the PCAPCD threshold of 10 in one million and impacts would be less than significant.

Table 3: Carcinogenic Risk Assessment

Receptor	**Cancer Risk (per million)[1,2]**
Nearest Residential Receptor	0.37
Threshold (risk per million)	*10*
Threshold Exceeded?	**No**

1. The reported risk is at the closest receptor (maximally exposed individual receptor (MEIR).
2. Refer to Table 2 for exposure assumptions.

Refer to Appendix A: Modeling Data.

5.2 Non-Carcinogenic Hazard

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system.[14] The REL for TOG varies by TAC; refer to Appendix A. It should be noted that there is no acute REL for DPM and the acute health risk cannot be calculated.

Acute and chronic impacts are shown in Table 4: Chronic and Acute Hazard Assessment Results. A hazard index of 1.0 indicates that non-carcinogenic health effects are not likely to occur over a lifetime of exposure and is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the REL. Table 4 shows that non-carcinogenic hazards are calculated to be within acceptable limits and a less than significant impact would occur.

Table 4: Chronic and Acute Hazards Assessment Results

Emissions Sources	Chronic Hazard	Acute Hazard
Gas Dispensing Facility	1.89E-03	4.73E-03
Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**

Refer to Appendix A: Modeling Data.

5.3 Conclusion

As described above, impacts related to cancer risk would be less than significant. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the Project's incremental contribution to health risk impacts, consistent with the PCAPCD guidance and methodology. The PCAPCD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The PCAPCD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant. Therefore, impacts related to health risk from the Project would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

[14] California Office of Environmental Health Hazard Assessment, *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*, https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary, accessed July 2025.

6.0 REFERENCES

1. California Air Pollution Control Officers Association, *Health Risk Assessment for Proposed Land Use Projects*, July 2009.

2. California Air Resources Board, *ACF Waiver Update*, https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets, accessed April 2025.

3. California Air Resources Board, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 18, 2022.

4. California Air Resources Board, *Overview: Diesel Exhaust & Health*, https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health, accessed June 2025.

5. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.

6. California Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, August 2003.

7. California Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidance Manual for Preparation of Health Risk Assessments*, February 2015.

8. California Office of Environmental Health Hazard Assessment, *CalEnviroScreen 4.0*, https://experience.arcgis.com/experience/11d2f52282a54ceebcac7428e6184203/page/CalEnviroScreen-4_0/, accessed June 2025.

9. California Office of Health Hazard Assessment, *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*, 2020.

10. Health Effects Institute, *Advanced Collaborative Emissions Study (ACES): Lifetime Cancer and Non-Cancer Assessment in Rats Exposed to New-Technology Diesel Exhaust*, January 2015.

11. Lakes Environmental, *AERMOD View Gaussian Plume Air Dispersion Model*, Version 13.0.0.

12. Placer County Air Pollution Control District, *CEQA Handbook Chapters*, 2017.

13. Ralph Propper, et al., *Ambient and Emission Trends of Toxic Air Contaminants in California, Environmental Science and Technology*, September 2015.

14. United States Environmental Protection Agency, *Exposure Factors Handbook: 2011 Edition*, September 2011.

15. United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86*. January 18, 2001.

16. United States Environmental Protection Agency, *Haul Road Workgroup Final Report*, March 2012.

Appendix A

Modeling Data

Summary (Unmitigated)

CANCER RISK

Receptor		Location	X	Y	X, Y	Operations - TOG #	Ops Risk	Risk per Million
Residential	1	Residents to the South	641814.56	4290426.75	641814.56, 4290426.75	367	3.73E-07	0.37

Sheet Name:	TOGRisk_R!	TOGRisk_R!
Lookup Range:	D9:D655	D9:D655
Return Range:	A9:A655	H9:H655

CHRONIC/ACUTE HAZARD

Receptor		Location	X	Y	X, Y	#	Substance	Operations Concentration (µg/m³)	1-Hour Concentration (µg/m³)	Chronic REL[1] (µg/m³)	CHRONIC HAZARD	Acute REL[1] (ug/m³)	ACUTE HAZARD
Residential							DPM	FALSE	-	5.00E+00	**0.00E+00**	No REL	-
							Benzene	0.005414534	0.128031827	3.00E+00	1.80E-03	2.70E+01	**4.74E-03**
	1	Residents to the South	641814.56	4290426.75	641814.56, 4290426.75	367	Ethylbenzene	0.006003039	-	2.00E+03	3.00E-06	No REL	-
							Naphthalene	0.000712624	-	9.00E+00	7.92E-05	No REL	-
							n-Hexane	0.020217387	-	7.00E+03	2.89E-06	No REL	-
							Propylene (propene)	2.54436E-05	-	3.00E+03	8.48E-09	No REL	-
										Total TOG	***1.89E-03***		

Sheet Name:	Benzene!	OpsRiskDPM!	Benzene!	Acute!	Ethylbenzene!	Naphthalene	nHexane!	Propylene!
Lookup Range:	D9:D655	D9:D655	D9:D655	E9:E655	D9:D655	D9:D655	D9:D655	D9:D655
Return Range:	A9:A655	O9:O655	Q9:Q655	Q9:Q655	O9:O655	O9:O655	O9:O655	O9:O655

1. REL Source: CAPCOA, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance* , Table 13, February 2022, Available at: https://ww2.arb.ca.gov/sites/default/files/2022-02/2022%20Gasoline%20Service%20Station%20Industrywide%20Risk%20Assessment%20Technical%20Guidance_FINAL.pdf

Gas Station Emission Rates - TOG

Fueling Station - TOG Emissions Factors and Annual Emissions

	Emissions Source	Annual Gasoline Throughput (gallons/year)	TOG Emissions Factor (lb/1,000 gallon)[1]	TOG Annual Emissions (lbs/year)	Benzene		Ethylbenzene		Naphthalene		n-Hexane		Propylene (propene)	
					Emission Rate (lbs/hr)	Emission Rate (g/s)	Emission Rate (lbs/hr)	Emission Rate (g/s)	Emission Rate (lbs/hr)	Emission Rate (g/s)	Emission Rate (lbs/hr)	Emission Rate (g/s)	Emission Rate (lbs/hr)	Emission Rate (g/s)
		3,600,000												
POINT	Loading (Bulk Transfer Losses)		0.15	540.0	0.000281712	3.55E-05	6.60E-05	8.31E-06	2.74315E-07	3.46E-08	1.12E-03	1.41E-04	2.21548E-06	2.79E-07
POINT	Breathing (Pressure Driven Losses)		0.024	86.4	4.5074E-05	5.68E-06	1.06E-05	1.33E-06	4.38904E-08	5.53E-09	1.80E-04	2.26E-05	3.54477E-07	4.47E-08
VOL	Fueling (Non-ORVR Vehicles)		0.42	1,512.0	0.000788795	9.94E-05	1.85E-04	2.33E-05	7.68082E-07	9.68E-08	3.14E-03	3.96E-04	6.20334E-06	7.82E-07
VOL	Fueling (ORVR Vehicles)		0.021	75.6	3.94397E-05	4.97E-06	9.23E-06	1.16E-06	3.84041E-08	4.84E-09	1.57E-04	1.98E-05	3.10167E-07	3.91E-08
VOL	Hose Permeation (Gasoline Hose Losses)		0.009	32.4	1.69027E-05	2.13E-06	3.96E-06	4.99E-07	1.64589E-08	2.07E-09	6.73E-05	8.48E-06	1.32929E-07	1.67E-08
VOL	Fueling - Spillage		0.24	864.0	0.000697315	8.79E-05	1.27E-03	1.60E-04	0.000171616	2.16E-05	1.83E-03	2.31E-04	1.20329E-07	1.52E-08

	Source Type	Source Quantity	Release Height											
Loading	Point	1	3.66 m	540.0	2.817E-04	**3.550E-05**	6.596E-05	**8.311E-06**	2.743E-07	**3.456E-08**	1.122E-03	**1.414E-04**	2.215E-06	**2.791E-07**
Breathing	Point	1	3.66 m	86.4	4.507E-05	**5.679E-06**	1.055E-05	**1.330E-06**	4.389E-08	**5.530E-09**	1.795E-04	**2.262E-05**	3.545E-07	**4.466E-08**
Fueling + Hose Permeation	Volume	8	1.5 m	1,620.0	8.45E-04	**1.06E-04**	1.98E-04	**2.49E-05**	8.23E-07	**1.04E-07**	3.37E-03	**4.24E-04**	6.65E-06	**8.37E-07**
Spillage	Volume	8	1 m	864.0	6.97E-04	**8.79E-05**	1.27E-03	**1.60E-04**	1.72E-04	**2.16E-05**	1.83E-03	**2.31E-04**	1.20E-07	**1.52E-08**

Sources:

1. CAPCOA and CARB, Gasoline Service Station Industrywide Risk Assessment Technical Guidance, Table 7, September 2022.

The emission factors do not reflect control technologies required by any Vapor Recovery regulations later than 2013. Regulations later than 2013 include:

- Certification Procedure for Vapor Recovery Systems for Enhanced Conventional (ECO) Nozzles and Low Permeation Conventional Hoses for Use at Gasoline Dispensing Facilities (CP-207)
- Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities (CP-201) Amended Certification Procedure for Enhanced Conventional (ECO) Nozzles and Low Permeation Conventional Hoses for Use at Gasoline Dispensing Facilities (CP-207)

Conversions

1 meter =	0.000621371	miles
1 day =	86400	seconds
1 hour =	3600	seconds
1 pound =	453.592	grams
1 year =	8760	hours

Substance	Average Substance Weight in Vapor	Average Substance Weight in Liquid
Benzene	0.00457	0.00707
Ethylbenzene	0.00107	0.0129
Naphthalene	0.00000445	0.00174
n-Hexane	0.0182	0.0186
Propylene (propene)	0.00003594	0.00000122

Source (Table 11): https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf

Operational Risk - Fueling/Drive-Thru (Benzene)

	Loading	Breathing	Fueling + Hose Permeation	Spillage
Emissions Rate (g/s):	3.55E-05	5.68E-06	1.06E-04	8.79E-05

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s				Unmitigated					Residential Dose					Risk by Age Group					
	X	Y	X, Y	Loading	Breathing	Fueling + Hose Permeation	Spillage	Loading	Breathing	Fueling + Hose Permeation	Spillage	Total	3rd	0<2	2<9	9<16	16<30	3rd	0<2	2<9	9<16	16<30	Total Risk
1	641284.31	4290506.68	641284.31, 4290	2.28914	2.2894	2.28914	2.24887	1.30E-05	1.30E-05	2.44E-04	1.98E-04	4.67E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.1E-09	5.5E-09	1.7E-09	2.6E-08
2	641324.31	4290506.68	641324.31, 4290	2.67219	2.67251	2.67219	2.62615	1.52E-05	1.52E-05	2.85E-04	2.31E-04	5.46E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.5E-09	2.0E-09	3.0E-08
3	641364.31	4290506.68	641364.31, 4290	3.16658	3.167	3.16658	3.11376	1.80E-05	1.80E-05	3.37E-04	2.74E-04	6.47E-04	2.2E-07	6.8E-07	3.9E-07	3.5E-07	1.6E-07	6.8E-10	1.6E-08	8.5E-09	7.7E-09	2.3E-09	3.6E-08
4	641404.31	4290506.68	641404.31, 4290	3.81615	3.81671	3.81615	3.75744	2.17E-05	2.17E-05	4.06E-04	3.30E-04	7.80E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.2E-09	2.8E-09	4.3E-08
5	641284.31	4290546.68	641284.31, 4290	2.37419	2.37447	2.37419	2.30269	1.35E-05	1.35E-05	2.53E-04	2.02E-04	4.82E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.1E-10	1.2E-08	6.3E-09	5.7E-09	1.7E-09	2.6E-08
6	641324.31	4290546.68	641324.31, 4290	2.78725	2.78761	2.78725	2.6998	1.58E-05	1.58E-05	2.97E-04	2.37E-04	5.66E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.4E-09	6.7E-09	2.0E-09	3.1E-08
7	641364.31	4290546.68	641364.31, 4290	3.33085	3.33132	3.33085	3.22046	1.89E-05	1.89E-05	3.55E-04	2.83E-04	6.75E-04	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.8E-09	8.0E-09	2.4E-09	3.7E-08
8	641404.31	4290546.68	641404.31, 4290	4.0608	4.06145	4.0608	3.9179	2.31E-05	2.31E-05	4.32E-04	3.44E-04	8.23E-04	2.8E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	3.0E-09	4.5E-08
9	641284.31	4290586.68	641284.31, 4290	2.44038	2.44068	2.44038	2.33928	1.39E-05	1.39E-05	2.60E-04	2.06E-04	4.93E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.2E-10	1.3E-08	6.4E-09	5.8E-09	1.8E-09	2.7E-08
10	641324.31	4290586.68	641324.31, 4290	2.87714	2.87753	2.87714	2.74864	1.63E-05	1.63E-05	3.06E-04	2.41E-04	5.81E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	2.1E-09	3.2E-08
11	641364.31	4290586.68	641364.31, 4290	3.4544	3.45492	3.4544	3.28594	1.96E-05	1.96E-05	3.68E-04	2.89E-04	6.96E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.2E-09	2.5E-09	3.8E-08
12	641404.31	4290586.68	641404.31, 4290	4.23507	4.23579	4.23507	4.00821	2.41E-05	2.41E-05	4.51E-04	3.52E-04	8.51E-04	2.9E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	8.9E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.7E-08
13	641284.31	4290626.68	641284.31, 4290	2.49133	2.49164	2.49133	2.36987	1.41E-05	1.42E-05	2.65E-04	2.08E-04	5.02E-04	1.7E-07	5.2E-07	3.0E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	5.9E-09	1.8E-09	2.8E-08
14	641324.31	4290626.68	641324.31, 4290	2.9374	2.93781	2.9374	2.78263	1.67E-05	1.67E-05	3.13E-04	2.44E-04	5.91E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	7.0E-09	2.1E-09	3.2E-08
15	641364.31	4290626.68	641364.31, 4290	3.53272	3.53327	3.53272	3.32778	2.01E-05	2.01E-05	3.76E-04	2.92E-04	7.09E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.3E-09	8.4E-09	2.5E-09	3.9E-08
16	641404.31	4290626.68	641404.31, 4290	4.33498	4.33574	4.33498	4.05774	2.46E-05	2.46E-05	4.62E-04	3.57E-04	8.67E-04	3.0E-07	9.1E-07	5.2E-07	4.8E-07	2.2E-07	9.1E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.8E-08
17	641284.31	4290666.68	641284.31, 4290	2.5318	2.53213	2.5318	2.39596	1.44E-05	1.44E-05	2.70E-04	2.11E-04	5.09E-04	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.7E-09	6.0E-09	1.8E-09	2.8E-08
18	641324.31	4290666.68	641324.31, 4290	2.98996	2.99039	2.98996	2.81501	1.70E-05	1.70E-05	3.18E-04	2.47E-04	6.00E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	2.2E-09	3.3E-08
19	641364.31	4290666.68	641364.31, 4290	3.60758	3.60815	3.60758	3.37189	2.05E-05	2.05E-05	3.84E-04	2.96E-04	7.21E-04	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	7.6E-10	1.8E-08	9.4E-09	8.5E-09	2.6E-09	4.0E-08
20	641404.31	4290666.68	641404.31, 4290	4.42784	4.42863	4.42784	4.11052	2.51E-05	2.52E-05	4.72E-04	3.61E-04	8.83E-04	3.1E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	9.3E-10	2.2E-08	1.2E-08	1.0E-08	3.2E-09	4.9E-08
21	641284.31	4290706.68	641284.31, 4290	2.56649	2.56683	2.56649	2.41563	1.46E-05	1.46E-05	2.73E-04	2.12E-04	5.15E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.7E-09	6.1E-09	1.8E-09	2.8E-08
22	641324.31	4290706.68	641324.31, 4290	3.03692	3.03736	3.03692	2.8413	1.72E-05	1.72E-05	3.23E-04	2.50E-04	6.08E-04	2.1E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	6.4E-10	1.5E-08	7.9E-09	7.2E-09	2.2E-09	3.3E-08
23	641364.31	4290706.68	641364.31, 4290	3.67397	3.67455	3.67397	3.40921	2.09E-05	2.09E-05	3.91E-04	3.00E-04	7.32E-04	2.5E-07	7.7E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	2.6E-09	4.0E-08
24	641404.31	4290706.68	641404.31, 4290	4.52911	4.52993	4.52911	4.17204	2.57E-05	2.57E-05	4.82E-04	3.67E-04	9.00E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	9.5E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	4.9E-08
25	641284.31	4290746.68	641284.31, 4290	2.60298	2.60332	2.60298	2.43528	1.48E-05	1.48E-05	2.77E-04	2.14E-04	5.21E-04	1.8E-07	5.4E-07	3.2E-07	2.9E-07	1.3E-07	5.5E-10	1.3E-08	6.8E-09	6.2E-09	1.9E-09	2.9E-08
26	641324.31	4290746.68	641324.31, 4290	3.08236	3.08281	3.08236	2.86816	1.75E-05	1.75E-05	3.28E-04	2.52E-04	6.15E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.5E-10	1.6E-08	8.0E-09	7.3E-09	2.2E-09	3.4E-08
27	641364.31	4290746.68	641364.31, 4290	3.73756	3.73816	3.73756	3.45213	2.12E-05	2.12E-05	3.98E-04	3.03E-04	7.44E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	2.7E-09	4.1E-08
28	641404.31	4290746.68	641404.31, 4290	4.63986	4.64072	4.63986	4.2535	2.64E-05	2.64E-05	4.94E-04	3.74E-04	9.20E-04	3.2E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
29	641284.31	4290786.68	641284.31, 4290	2.64338	2.64373	2.64338	2.46181	1.50E-05	1.50E-05	2.81E-04	2.16E-04	5.28E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.5E-10	1.3E-08	6.9E-09	6.3E-09	1.9E-09	2.9E-08
30	641324.31	4290786.68	641324.31, 4290	3.13751	3.13798	3.13751	2.9096	1.78E-05	1.78E-05	3.34E-04	2.56E-04	6.25E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.6E-10	1.6E-08	8.2E-09	7.4E-09	2.2E-09	3.4E-08
31	641364.31	4290786.68	641364.31, 4290	3.81428	3.81491	3.81428	3.51655	2.17E-05	2.17E-05	4.06E-04	3.09E-04	7.58E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	9.9E-09	9.0E-09	2.7E-09	4.2E-08
32	641404.31	4290786.68	641404.31, 4290	4.7682	4.7691	4.7682	4.36265	2.71E-05	2.71E-05	5.08E-04	3.83E-04	9.45E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	9.9E-10	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
33	641284.31	4290826.68	641284.31, 4290	2.6908	2.69116	2.6908	2.50011	1.53E-05	1.53E-05	2.87E-04	2.20E-04	5.37E-04	1.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.4E-08	7.0E-09	6.4E-09	1.9E-09	2.9E-08
34	641324.31	4290826.68	641324.31, 4290	3.20671	3.20719	3.20671	2.9688	1.82E-05	1.82E-05	3.41E-04	2.61E-04	6.39E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.6E-09	2.3E-09	3.5E-08
35	641364.31	4290826.68	641364.31, 4290	3.90636	3.90702	3.90636	3.59923	2.22E-05	2.22E-05	4.16E-04	3.16E-04	7.77E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	8.2E-10	2.0E-08	1.0E-08	9.2E-09	2.8E-09	4.3E-08
36	641404.31	4290826.68	641404.31, 4290	4.90472	4.90565	4.90472	4.48191	2.79E-05	2.79E-05	5.22E-04	3.94E-04	9.72E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.3E-08
37	641284.31	4290866.68	641284.31, 4290	2.74392	2.74429	2.74392	2.54817	1.56E-05	1.56E-05	2.92E-04	2.24E-04	5.47E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	2.0E-09	3.0E-08
38	641324.31	4290866.68	641324.31, 4290	3.28208	3.28258	3.28208	3.03603	1.86E-05	1.86E-05	3.49E-04	2.67E-04	6.54E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.5E-09	7.7E-09	2.3E-09	3.6E-08
39	641364.31	4290866.68	641364.31, 4290	4.00655	4.00723	4.00655	3.68715	2.28E-05	2.28E-05	4.27E-04	3.24E-04	7.96E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.4E-09	2.9E-09	4.4E-08
40	641404.31	4290866.68	641404.31, 4290	5.02308	5.02404	5.02308	4.58414	2.85E-05	2.85E-05	5.35E-04	4.03E-04	9.95E-04	3.4E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.6E-09	5.5E-08
41	641268.28	4290889.76	641268.28, 4290	2.59465	2.59499	2.59465	2.41318	1.47E-05	1.47E-05	2.76E-04	2.12E-04	5.18E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.8E-09	6.1E-09	1.9E-09	2.8E-08
42	641308.28	4290889.76	641308.28, 4290	3.08807	3.08852	3.08807	2.85972	1.75E-05	1.75E-05	3.29E-04	2.51E-04	6.15E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.5E-10	1.6E-08	8.0E-09	7.3E-09	2.2E-09	3.4E-08
43	641348.28	4290889.76	641348.28, 4290	3.73698	3.73759	3.73698	3.44498	2.12E-05	2.12E-05	3.98E-04	3.03E-04	7.43E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	2.7E-09	4.1E-08
44	641388.28	4290889.76	641388.28, 4290	4.62282	4.62365	4.62282	4.23368	2.63E-05	2.63E-05	4.92E-04	3.72E-04	9.17E-04	3.2E-07	9.6E-07	5.5E-07	5.0E-07	2.3E-07	9.6E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.0E-08
45	641428.28	4290889.76	641428.28, 4290	5.83259	5.83374	5.83259	5.29918	3.31E-05	3.31E-05	6.21E-04	4.66E-04	1.15E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	4.1E-09	6.3E-08
46	641468.28	4290889.76	641468.28, 4290	7.45425	7.45582	7.45425	6.71314	4.23E-05	4.23E-05	7.94E-04	5.90E-04	1.47E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.3E-09	8.1E-08
47	641508.28	4290889.76	641508.28, 4290	9.5641	9.56614	9.5641	8.50921	5.43E-05	5.43E-05	1.02E-03	7.48E-04	1.87E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.5E-08	2.2E-08	6.7E-09	1.0E-07
48	641548.28	4290889.76	641548.28, 4290	12.10557	12.10804	12.10557	10.588	6.88E-05	6.88E-05	1.29E-03	9.30E-04	2.36E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.5E-09	6.0E-08	3.1E-08	2.8E-08	8.5E-09	1.3E-07
49	641588.28	4290889.76	641588.28, 4290	14.78987	14.79248	14.78987	12.6611	8.40E-05	8.40E-05	1.57E-03	1.11E-03	2.86E-03	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.1E-07	3.0E-09	7.2E-08	3.7E-08	3.4E-08	1.0E-08	1.6E-07
50	641628.28	4290889.76	641628.28, 4290	17.04372	17.04593	17.04372	14.29707	9.68E-05	9.68E-05	1.81E-03	1.26E-03	3.26E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.2E-07	3.4E-09	8.3E-08	4.3E-08	3.9E-08	1.2E-08	1.8E-07
51	642188.28	4290889.76	642188.28, 4290	1.8141	1.81393	1.8141	1.79156	1.03E-05	1.03E-05	1.93E-04	1.57E-04	3.71E-04	1.3E-07	3.9E-07	2.2E-07	2.0E-07	9.3E-08	3.9E-10	9.4E-09	4.9E-09	4.4E-09	1.3E-09	2.0E-08
52	642228.28	4290889.76	642228.28, 4290	1.60832	1.60819	1.60832	1.589	9.13E-06	9.13E-06	1.71E-04	1.40E-04	3.29E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	3.5E-10	8.4E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
53	642268.28	4290889.76	642268.28, 4290	1.43746	1.43734	1.43746	1.42185	8.16E-06	8.16E-06	1.53E-04	1.25E-04	2.94E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	3.1E-10	7.5E-09	3.8E-09	3.5E-09	1.1E-09	1.6E-08
54	642308.28	4290889.76	642308.28, 4290	1.29357	1.29347	1.29357	1.28191	7.35E-06	7.35E-06	1.38E-04	1.13E-04	2.65E-04	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.6E-08	2.8E-10	6.7E-09	3.5E-09	3.1E-09	9.5E-10	1.5E-08
55	642348.28	4290889.76	642348.28, 4290	1.17114	1.17105	1.17114	1.16327	6.65E-06	6.65E-06	1.25E-04	1.02E-04	2.40E-04	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.5E-10	6.1E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
56	642388.28	4290889.76	642388.28, 4290	1.06597	1.06589	1.06597	1.06146	6.05E-06	6.05E-06	1.14E-04	9.33E-05	2.19E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
57	642428.28	4290889.76	642428.28, 4290	0.97484	0.97477	0.97484	0.97313	5.54E-06	5.54E-06	1.04E-04	8.55E-05	2.00E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
58	641268.28	4290929.76	641268.28, 4290	2.64585	2.6462	2.64585	2.46002	1.50E-05	1.50E-05	2.82E-04	2.16E-04	5.28E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.5E-10	1.3E-08	6.9E-09	6.3E-09	1.9E-09	2.9E-08
59	641308.28	4290929.76	641308.28, 4290	3.15136	3.15182	3.15136	2.9161	1.79E-05	1.79E-05	3.36E-04	2.56E-04	6.28E-04	2.2E-07	6.6E-07	3.8E-07	3.4E-07	1.6E-07	6.6E-10	1.6E-08	8.2E-09	7.4E-09	2.3E-09	3.4E-08
60	641348.28	4290929.76	641348.28, 4290	3.80527	3.80588	3.80527	3.50607	2.16E-05	2.16E-05	4.05E-04	3.08E-04	7.56E-04	2.6E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	7.9E-10	1.9E-08	9.9E-09	9.0E-09	2.7E-09	4.2E-08
61	641388.28	4290929.76	641388.28, 4290	4.66994	4.67075	4.66994	4.28051	2.65E-05	2.65E-05	4.97E-04	3.76E-04	9.26E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.4E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
62	641428.28	4290929.76	641428.28, 4290	5.79894	5.8	5.79894	5.28453	3.29E-05	3.29E-05	6.18E-04	4.64E-04	1.15E-03	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	4.1E-09	6.3E-08
63	641468.28	4290929.76	641468.28, 4290	7.2232	7.22456	7.2232	6.53805	4.10E-05	4.10E-05	7.69E-04	5.74E-04	1.43E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.6E-07	1.5E-09	3.6E-08	1.9E-08	1.7E-08	5.1E-09	7.8E-08
64	641508.28	4290929.76	641508.28, 4290	8.93237	8.93401	8.93237	8.00344	5.07E-05	5.07E-05	9.51E-04	7.03E-04	1.76E-03	6.1E-07	1.8E-06	1.1E-06	9.6E-07	4.4E-07	1.8E-09	4.5E-08	2.3E-08	2.1E-08	6.3E-09	9.6E-08
65	641548.28	4290929.76	641548.28, 4290	10.80265	10.80445	10.80265	9.53881	6.14E-05	6.14E-05	1.15E-03	8.38E-04	2.11E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.2E-09	5.4E-08	2.8E-08	2.5E-08	7.6E-09	1.2E-07
66	641588.28	4290929.76	641588.28, 4290	12.57157	12.5733	12.57157	10.9114	7.14E-05	7.14E-05	1.34E-03	9.59E-04	2.44E-03	8.4E-07	2.6E-06	1.5E-06	1.3E-06	6.1E-07	2.6E-09	6.2E-08	3.2E-08	2.9E-08	8.8E-09	1.3E-07
67	641628.28	4290929.76	641628.28, 4290	13.87408	13.8754	13.87408	11.86802	7.88E-05	7.88E-05	1.48E-03	1.04E-03	2.68E-03	9.3E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	2.8E-09	6.8E-08	3.5E-08	3.2E-08	9.6E-09	1.5E-07
68	642188.28	4290929.76	642188.28, 4290	1.72638	1.72622	1.72638	1.70506	9.80E-06	9.80E-06	1.84E-04	1.50E-04	3.53E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	3.7E-10	9.0E-09	4.6E-09	4.2E-09	1.3E-09	1.9E-08
69	642228.28	4290929.76	642228.28, 4290	1.53536	1.53523	1.53536	1.5157	8.72E-06	8.72E-06	1.63E-04	1.33E-04	3.14E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.3E-10	8.0E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
70	642268.28	4290929.76	642268.28, 4290	1.37694	1.37683	1.37694	1.35907	7.82E-06	7.82E-06	1.47E-04	1.19E-04	2.82E-04	9.8E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.0E-10	7.1E-09	3.7E-09	3.3E-09	1.0E-09	1.5E-08
71	642308.28	4290929.76	642308.28, 4290	1.24301	1.24292	1.24301	1.22746	7.06E-06	7.06E-06	1.32E-04	1.08E-04	2.54E-04	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.7E-10	6.5E-09	3.3E-09	3.0E-09	9.1E-10	1.4E-08
72	642348.28	4290929.76	642348.28, 4290	1.12868	1.1286	1.12868	1.11586	6.41E-06	6.41E-06	1.20E-04	9.80E-05	2.31E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.4E-10	5.9E-09	3.0E-09	2.7E-09	8.3E-10	1.3E-08
73	642388.28	4290929.76	642388.28, 4290	1.03034	1.03027	1.03034	1.02039	5.85E-06	5.85E-06	1.10E-04	8.97E-05	2.11E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
74	642428.28	4290929.76	642428.28, 4290	0.94505	0.94499	0.94505	0.93786	5.37E-06	5.37E-06	1.01E-04	8.24E-05	1.94E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.0E-10	4.9E-09	2.5E-09	2.3E-09	7.0E-10	1.1E-08
75	641268.28	4290969.76	641268.28, 4290	2.69306	2.69342	2.69306	2.5027	1.53E-05	1.53E-05	2.87E-04	2.20E-04	5.37E-04	1.9E-07	5.6E-07	3.3E-07	2.9E-07	1.3E-07	5.6E-10	1.4E-08	7.0E-09	6.4E-09	1.9E-09	3.0E-08
76	641308.28	4290969.76	641308.28, 4290	3.19864	3.1991	3.19864	2.96024	1.82E-05	1.82E-05	3.41E-04	2.60E-04	6.37E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.5E-09	2.3E-09	3.5E-08
77	641348.28	4290969.76	641348.28, 4290	3.84004	3.84064	3.84004	3.54223	2.18E-05	2.18E-05	4.09E-04	3.11E-04	7.64E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	1.0E-08	9.0E-09	2.7E-09	4.2E-08
78	641388.28	4290969.76	641388.28, 4290	4.65507	4.65583	4.65507	4.28044	2.64E-05	2.64E-05	4.96E-04	3.76E-04	9.25E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
79	641428.28	4290969.76	641428.28, 4290	5.66695	5.6679	5.66695	5.19114	3.22E-05	3.22E-05	6.03E-04	4.56E-04	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	4.0E-09	6.2E-08
80	641468.28	4290969.76	641468.28, 4290	6.86794	6.86908	6.86794	6.25679	3.90E-05	3.90E-05	7.31E-04	5.50E-04	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.5E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	4.9E-09	7.5E-08
81	641508.28	4290969.76	641508.28, 4290	8.2055	8.20678	8.2055	7.40735	4.66E-05	4.66E-05	8.74E-04	6.51E-04	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.0E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	5.8E-09	8.9E-08
82	641548.28	4290969.76	641548.28, 4290	9.55044	9.55174	9.55044	8.51132	5.42E-05	5.42E-05	1.02E-03	7.48E-04	1.87E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.4E-08	2.2E-08	6.7E-09	1.0E-07
83	641588.28	4290969.76	641588.28, 4290	10.70898	10.71013	10.70898	9.40958	6.08E-05	6.08E-05	1.14E-03	8.27E-04	2.09E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.2E-09	5.3E-08	2.7E-08	2.5E-08	7.5E-09	1.1E-07
84	641628.28	4290969.76	641628.28, 4290	11.45991	11.46073	11.45991	9.96399	6.51E-05	6.51E-05	1.22E-03	8.75E-04	2.23E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	2.3E-09	5.7E-08	2.9E-08	2.6E-08	8.0E-09	1.2E-07
85	641668.28	4290969.76	641668.28, 4290	11.62213	11.62246	11.62213	10.08546	6.60E-05	6.60E-05	1.24E-03	8.86E-04	2.26E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.6E-07	2.4E-09	5.7E-08	2.9E-08	2.7E-08	8.1E-09	1.2E-07
86	641708.28	4290969.76	641708.28, 4290	11.11782	11.11759	11.11782	9.73205	6.31E-05	6.31E-05	1.18E-03	8.55E-04	2.17E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.3E-09	5.5E-08	2.8E-08	2.6E-08	7.8E-09	1.2E-07
87	641748.28	4290969.76	641748.28, 4290	10.0351	10.03442	10.0351	8.94013	5.70E-05	5.70E-05	1.07E-03	7.85E-04	1.97E-03	6.8E-07	2.1E-06	1.2E-06	1.1E-06	4.9E-07	2.1E-09	5.0E-08	2.6E-08	2.3E-08	7.1E-09	1.1E-07
88	641788.28	4290969.76	641788.28, 4290	8.62011	8.61919	8.62011	7.86025	4.90E-05	4.90E-05	9.18E-04	6.91E-04	1.71E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.1E-09	9.4E-08
89	641828.28	4290969.76	641828.28, 4290	7.16553	7.16459	7.16553	6.6929	4.07E-05	4.07E-05	7.63E-04	5.88E-04	1.43E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.5E-09	3.6E-08	1.9E-08	1.7E-08	5.1E-09	7.9E-08
90	641868.28	4290969.76	641868.28, 4290	5.87668	5.87586	5.87668	5.59229	3.34E-05	3.34E-05	6.26E-04	4.91E-04	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	4.2E-09	6.5E-08
91	641908.28	4290969.76	641908.28, 4290	4.8181	4.81742	4.8181	4.63892	2.74E-05	2.74E-05	5.13E-04	4.08E-04	9.75E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.4E-08
92	641948.28	4290969.76	641948.28, 4290	3.98329	3.98276	3.98329	3.86069	2.26E-05	2.26E-05	4.24E-04	3.39E-04	8.09E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	2.9E-09	4.4E-08
93	642188.28	4290969.76	642188.28, 4290	1.64462	1.64448	1.64462	1.62506	9.34E-06	9.34E-06	1.75E-04	1.43E-04	3.37E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.5E-10	8.5E-09	4.4E-09	4.0E-09	1.2E-09	1.8E-08
94	642228.28	4290969.76	642228.28, 4290	1.4674	1.46728	1.4674	1.44957	8.33E-06	8.33E-06	1.56E-04	1.27E-04	3.00E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.2E-10	7.6E-09	3.9E-09	3.6E-09	1.1E-09	1.6E-08
95	642268.28	4290969.76	642268.28, 4290	1.3201	1.31999	1.3201	1.30314	7.50E-06	7.50E-06	1.41E-04	1.14E-04	2.70E-04	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.8E-10	6.9E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
96	642308.28	4290969.76	642308.28, 4290	1.19495	1.19486	1.19495	1.17897	6.79E-06	6.79E-06	1.27E-04	1.04E-04	2.44E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.3E-08
97	642348.28	4290969.76	642348.28, 4290	1.08742	1.08735	1.08742	1.07285	6.18E-06	6.18E-06	1.16E-04	9.43E-05	2.22E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	8.0E-10	1.2E-08
98	642388.28	4290969.76	642388.28, 4290	0.9946	0.99454	0.9946	0.98186	5.65E-06	5.65E-06	1.06E-04	8.63E-05	2.03E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
99	642428.28	4290969.76	642428.28, 4290	0.91426	0.9142	0.91426	0.9036	5.19E-06	5.19E-06	9.74E-05	7.94E-05	1.87E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.0E-10	4.8E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
100	641268.28	4291009.76	641268.28, 4291	2.72858	2.72894	2.72858	2.5363	1.55E-05	1.55E-05	2.91E-04	2.23E-04	5.44E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.4E-09	2.0E-09	3.0E-08
101	641308.28	4291009.76	641308.28, 4291	3.22289	3.22334	3.22289	2.98764	1.83E-05	1.83E-05	3.43E-04	2.62E-04	6.42E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.4E-09	7.6E-09	2.3E-09	3.5E-08
102	641348.28	4291009.76	641348.28, 4291	3.83519	3.83576	3.83519	3.54851	2.18E-05	2.18E-05	4.08E-04	3.12E-04	7.64E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	1.0E-08	9.0E-09	2.7E-09	4.2E-08
103	641388.28	4291009.76	641388.28, 4291	4.57805	4.57874	4.57805	4.23055	2.60E-05	2.60E-05	4.87E-04	3.72E-04	9.11E-04	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.6E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.0E-08
104	641428.28	4291009.76	641428.28, 4291	5.45476	5.45558	5.45476	5.02792	3.10E-05	3.10E-05	5.81E-04	4.42E-04	1.08E-03	3.8E-07	1.1E-06	6.6E-07	5.9E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	3.9E-09	6.0E-08
105	641468.28	4291009.76	641468.28, 4291	6.4371	6.43803	6.4371	5.90318	3.66E-05	3.66E-05	6.85E-04	5.19E-04	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	4.6E-09	7.0E-08
106	641508.28	4291009.76	641508.28, 4291	7.46047	7.46145	7.46047	6.78207	4.24E-05	4.24E-05	7.94E-04	5.96E-04	1.48E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.6E-09	3.7E-08	1.9E-08	1.7E-08	5.3E-09	8.1E-08
107	641548.28	4291009.76	641548.28, 4291	8.41614	8.41707	8.41614	7.56265	4.78E-05	4.78E-05	8.96E-04	6.64E-04	1.66E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	5.9E-09	9.1E-08
108	641588.28	4291009.76	641588.28, 4291	9.17186	9.17264	9.17186	8.1465	5.21E-05	5.21E-05	9.77E-04	7.16E-04	1.80E-03	6.2E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	1.9E-09	4.6E-08	2.3E-08	2.1E-08	6.4E-09	9.9E-08
109	641628.28	4291009.76	641628.28, 4291	9.59993	9.60045	9.59993	8.46218	5.45E-05	5.45E-05	1.02E-03	7.43E-04	1.87E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.5E-08	2.2E-08	6.7E-09	1.0E-07

110	641668.28	4291009.76	641668.28, 4291	9.60751	9.60768	9.60751	8.4665	5.46E-05	5.46E-05	1.02E-03	7.44E-04	1.88E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.5E-08	2.2E-08	6.7E-09	1.0E-07
111	641708.28	4291009.76	641708.28, 4291	9.1673	9.1671	9.1673	8.14053	5.21E-05	5.21E-05	9.76E-04	7.15E-04	1.80E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.9E-09	4.6E-08	2.3E-08	2.1E-08	6.4E-09	9.9E-08
112	641748.28	4291009.76	641748.28, 4291	8.34683	8.34632	8.34683	7.51531	4.74E-05	4.74E-05	8.89E-04	6.60E-04	1.64E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.7E-09	4.2E-08	2.1E-08	1.9E-08	5.9E-09	9.0E-08
113	641788.28	4291009.76	641788.28, 4291	7.29983	7.29916	7.29983	6.69239	4.15E-05	4.15E-05	7.77E-04	5.88E-04	1.45E-03	5.0E-07	1.5E-06	8.8E-07	7.9E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.2E-09	8.0E-08
114	641828.28	4291009.76	641828.28, 4291	6.20016	6.19945	6.20016	5.79822	3.52E-05	3.52E-05	6.60E-04	5.09E-04	1.24E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	4.5E-09	6.8E-08
115	641868.28	4291009.76	641868.28, 4291	5.193	5.19235	5.193	4.9397	2.95E-05	2.95E-05	5.53E-04	4.34E-04	1.05E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.7E-08	1.4E-08	1.2E-08	3.8E-09	5.7E-08
116	641908.28	4291009.76	641908.28, 4291	4.33631	4.33576	4.33631	4.17244	2.46E-05	2.46E-05	4.62E-04	3.67E-04	8.78E-04	3.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	9.2E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.8E-08
117	641948.28	4291009.76	641948.28, 4291	3.63912	3.63867	3.63912	3.52449	2.07E-05	2.07E-05	3.88E-04	3.10E-04	7.39E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.8E-07	7.8E-10	1.9E-08	9.7E-09	8.7E-09	2.7E-09	4.1E-08
118	642188.28	4291009.76	642188.28, 4291	1.56955	1.56942	1.56955	1.55039	8.91E-06	8.91E-06	1.67E-04	1.36E-04	3.21E-04	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.0E-08	3.4E-10	8.2E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
119	642228.28	4291009.76	642228.28, 4291	1.40547	1.40536	1.40547	1.38917	7.98E-06	7.98E-06	1.50E-04	1.22E-04	2.88E-04	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.0E-10	7.3E-09	3.8E-09	3.4E-09	1.0E-09	1.6E-08
120	642268.28	4291009.76	642268.28, 4291	1.26752	1.26742	1.26752	1.2524	7.20E-06	7.20E-06	1.35E-04	1.10E-04	2.59E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.7E-10	6.6E-09	3.4E-09	3.1E-09	9.3E-10	1.4E-08
121	642308.28	4291009.76	642308.28, 4291	1.14974	1.14966	1.14974	1.13516	6.53E-06	6.53E-06	1.22E-04	9.97E-05	2.35E-04	8.1E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.4E-10	1.3E-08
122	642348.28	4291009.76	642348.28, 4291	1.04828	1.04821	1.04828	1.03422	5.95E-06	5.95E-06	1.12E-04	9.09E-05	2.14E-04	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.4E-08	2.3E-10	5.4E-09	2.8E-09	2.5E-09	7.7E-10	1.2E-08
123	642388.28	4291009.76	642388.28, 4291	0.96069	0.96063	0.96069	0.94745	5.46E-06	5.46E-06	1.02E-04	8.32E-05	1.96E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.1E-10	1.1E-08
124	642428.28	4291009.76	642428.28, 4291	0.88463	0.88458	0.88463	0.87257	5.02E-06	5.02E-06	9.42E-05	7.67E-05	1.81E-04	6.3E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	9.9E-09
125	641268.28	4291049.76	641268.28, 4291	2.74627	2.74662	2.74627	2.55727	1.56E-05	1.56E-05	2.92E-04	2.25E-04	5.48E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	2.0E-09	3.0E-08
126	641308.28	4291049.76	641308.28, 4291	3.21799	3.21842	3.21799	2.99367	1.83E-05	1.83E-05	3.43E-04	2.63E-04	6.42E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.4E-09	7.6E-09	2.3E-09	3.5E-08
127	641348.28	4291049.76	641348.28, 4291	3.786	3.78652	3.786	3.52078	2.15E-05	2.15E-05	4.03E-04	3.09E-04	7.55E-04	2.6E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	7.9E-10	1.9E-08	9.9E-09	9.0E-09	2.7E-09	4.2E-08
128	641388.28	4291049.76	641388.28, 4291	4.44751	4.44812	4.44751	4.13376	2.53E-05	2.53E-05	4.74E-04	3.63E-04	8.87E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.3E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	4.9E-08
129	641428.28	4291049.76	641428.28, 4291	5.1865	5.18719	5.1865	4.81054	2.95E-05	2.95E-05	5.52E-04	4.23E-04	1.03E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	3.7E-09	5.7E-08
130	641468.28	4291049.76	641468.28, 4291	5.9729	5.97365	5.9729	5.5106	3.39E-05	3.39E-05	6.36E-04	4.84E-04	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.2E-09	3.0E-08	1.6E-08	1.4E-08	4.3E-09	6.5E-08
131	641508.28	4291049.76	641508.28, 4291	6.74438	6.74512	6.74438	6.16905	3.83E-05	3.83E-05	7.18E-04	5.42E-04	1.34E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	4.8E-09	7.3E-08
132	641548.28	4291049.76	641548.28, 4291	7.41909	7.41977	7.41909	6.71546	4.21E-05	4.21E-05	7.90E-04	5.90E-04	1.46E-03	5.1E-07	1.5E-06	8.9E-07	8.0E-07	3.7E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.3E-09	8.0E-08
133	641588.28	4291049.76	641588.28, 4291	7.91107	7.91161	7.91107	7.09281	4.49E-05	4.49E-05	8.42E-04	6.23E-04	1.56E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	5.6E-09	8.5E-08
134	641628.28	4291049.76	641628.28, 4291	8.14689	8.14722	8.14689	7.26509	4.63E-05	4.63E-05	8.68E-04	6.38E-04	1.60E-03	5.5E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	5.7E-09	8.8E-08
135	641668.28	4291049.76	641668.28, 4291	8.07904	8.07912	8.07904	7.21007	4.59E-05	4.59E-05	8.60E-04	6.33E-04	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	5.7E-09	8.7E-08
136	641708.28	4291049.76	641708.28, 4291	7.70103	7.70085	7.70103	6.91836	4.37E-05	4.37E-05	8.20E-04	6.08E-04	1.52E-03	5.2E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	1.6E-09	3.8E-08	2.0E-08	1.8E-08	5.4E-09	8.3E-08
137	641748.28	4291049.76	641748.28, 4291	7.06249	7.06211	7.06249	6.41515	4.01E-05	4.01E-05	7.52E-04	5.64E-04	1.40E-03	4.8E-07	1.5E-06	8.4E-07	7.7E-07	3.5E-07	1.5E-09	3.5E-08	1.8E-08	1.7E-08	5.0E-09	7.7E-08
138	641788.28	4291049.76	641788.28, 4291	6.26346	6.26295	6.26346	5.77165	3.56E-05	3.56E-05	6.67E-04	5.07E-04	1.25E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	4.5E-09	6.8E-08
139	641828.28	4291049.76	641828.28, 4291	5.41488	5.41434	5.41488	5.07205	3.08E-05	3.07E-05	5.77E-04	4.46E-04	1.08E-03	3.8E-07	1.1E-06	6.6E-07	5.9E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	3.9E-09	6.0E-08
140	641868.28	4291049.76	641868.28, 4291	4.6191	4.61858	4.6191	4.39238	2.62E-05	2.62E-05	4.92E-04	3.86E-04	9.30E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.8E-10	2.4E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
141	641908.28	4291049.76	641908.28, 4291	3.92011	3.91966	3.92011	3.76931	2.23E-05	2.23E-05	4.17E-04	3.31E-04	7.93E-04	2.7E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.4E-09	2.8E-09	4.4E-08
142	641948.28	4291049.76	641948.28, 4291	3.33465	3.33427	3.33465	3.22758	1.89E-05	1.89E-05	3.55E-04	2.84E-04	6.77E-04	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.8E-09	8.0E-09	2.4E-09	3.7E-08
143	642188.28	4291049.76	642188.28, 4291	1.49753	1.49741	1.49753	1.47748	8.50E-06	8.50E-06	1.59E-04	1.30E-04	3.06E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.2E-10	7.8E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
144	642228.28	4291049.76	642228.28, 4291	1.34657	1.34647	1.34657	1.33067	7.65E-06	7.65E-06	1.43E-04	1.17E-04	2.76E-04	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
145	642268.28	4291049.76	642268.28, 4291	1.2176	1.21751	1.2176	1.20386	6.92E-06	6.91E-06	1.30E-04	1.06E-04	2.49E-04	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.6E-10	6.3E-09	3.3E-09	3.0E-09	8.9E-10	1.4E-08
146	642308.28	4291049.76	642308.28, 4291	1.10706	1.10698	1.10706	1.09421	6.29E-06	6.29E-06	1.18E-04	9.61E-05	2.27E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.4E-10	5.8E-09	3.0E-09	2.7E-09	8.1E-10	1.2E-08
147	642348.28	4291049.76	642348.28, 4291	1.01146	1.01139	1.01146	0.99893	5.74E-06	5.74E-06	1.08E-04	8.78E-05	2.07E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.4E-10	1.1E-08
148	642388.28	4291049.76	642388.28, 4291	0.92867	0.92861	0.92867	0.91637	5.27E-06	5.27E-06	9.89E-05	8.05E-05	1.90E-04	6.6E-08	2.0E-07	1.1E-07	1.0E-07	4.8E-08	2.0E-10	4.8E-09	2.5E-09	2.3E-09	6.8E-10	1.0E-08
149	642428.28	4291049.76	642428.28, 4291	0.85655	0.8565	0.85655	0.84469	4.86E-06	4.86E-06	9.12E-05	7.42E-05	1.75E-04	6.1E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
150	641268.28	4291089.76	641268.28, 4291	2.74415	2.74449	2.74415	2.56385	1.56E-05	1.56E-05	2.92E-04	2.25E-04	5.49E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	2.0E-09	3.0E-08
151	641308.28	4291089.76	641308.28, 4291	3.18526	3.18566	3.18526	2.97769	1.81E-05	1.81E-05	3.39E-04	2.62E-04	6.37E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.5E-09	2.3E-09	3.5E-08
152	641348.28	4291089.76	641348.28, 4291	3.69961	3.70008	3.69961	3.46067	2.10E-05	2.10E-05	3.94E-04	3.04E-04	7.40E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	2.7E-09	4.1E-08
153	641388.28	4291089.76	641388.28, 4291	4.27442	4.27495	4.27442	3.99682	2.43E-05	2.43E-05	4.55E-04	3.51E-04	8.55E-04	3.0E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.7E-08
154	641428.28	4291089.76	641428.28, 4291	4.88513	4.88571	4.88513	4.55666	2.77E-05	2.77E-05	5.20E-04	4.00E-04	9.76E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.4E-08
155	641468.28	4291089.76	641468.28, 4291	5.50531	5.50591	5.50531	5.10561	3.13E-05	3.13E-05	5.86E-04	4.49E-04	1.10E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.2E-09	2.8E-08	1.4E-08	1.3E-08	3.9E-09	6.0E-08
156	641508.28	4291089.76	641508.28, 4291	6.08236	6.08292	6.08236	5.59317	3.45E-05	3.45E-05	6.48E-04	4.91E-04	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
157	641548.28	4291089.76	641548.28, 4291	6.5568	6.55729	6.5568	5.97314	3.72E-05	3.72E-05	6.98E-04	5.25E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.1E-08
158	641588.28	4291089.76	641588.28, 4291	6.87518	6.87555	6.87518	6.21493	3.90E-05	3.90E-05	7.32E-04	5.46E-04	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	4.9E-09	7.5E-08
159	641628.28	4291089.76	641628.28, 4291	6.99534	6.99556	6.99534	6.30033	3.97E-05	3.97E-05	7.45E-04	5.54E-04	1.38E-03	4.8E-07	1.4E-06	8.3E-07	7.6E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	4.9E-09	7.6E-08
160	641668.28	4291089.76	641668.28, 4291	6.89268	6.89272	6.89268	6.21641	3.91E-05	3.91E-05	7.34E-04	5.46E-04	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.5E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	4.9E-09	7.5E-08
161	641708.28	4291089.76	641708.28, 4291	6.56909	6.56894	6.56909	5.95846	3.73E-05	3.73E-05	7.00E-04	5.24E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.1E-08
162	641748.28	4291089.76	641748.28, 4291	6.06137	6.06107	6.06137	5.54686	3.44E-05	3.44E-05	6.45E-04	4.87E-04	1.20E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
163	641788.28	4291089.76	641788.28, 4291	5.43709	5.4367	5.43709	5.03314	3.09E-05	3.09E-05	5.79E-04	4.42E-04	1.08E-03	3.7E-07	1.1E-06	6.6E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.9E-09	5.9E-08
164	641828.28	4291089.76	641828.28, 4291	4.77022	4.76979	4.77022	4.4761	2.71E-05	2.71E-05	5.08E-04	3.93E-04	9.55E-04	3.3E-07	1.0E-06	5.8E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
165	641868.28	4291089.76	641868.28, 4291	4.13223	4.13182	4.13223	3.92939	2.35E-05	2.35E-05	4.40E-04	3.45E-04	8.32E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.9E-09	3.0E-09	4.6E-08
166	641908.28	4291089.76	641908.28, 4291	3.55748	3.55711	3.55748	3.41884	2.02E-05	2.02E-05	3.79E-04	3.00E-04	7.20E-04	2.5E-07	7.5E-07	4.4E-07	3.9E-07	1.8E-07	7.6E-10	1.8E-08	9.4E-09	8.5E-09	2.6E-09	4.0E-08
167	641948.28	4291089.76	641948.28, 4291	3.06388	3.06355	3.06388	2.96415	1.74E-05	1.74E-05	3.26E-04	2.60E-04	6.21E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.5E-10	1.6E-08	8.1E-09	7.4E-09	2.2E-09	3.4E-08
168	641988.28	4291089.76	641988.28, 4291	2.65098	2.65071	2.65098	2.57404	1.51E-05	1.51E-05	2.82E-04	2.26E-04	5.39E-04	1.9E-07	5.6E-07	3.3E-07	3.0E-07	1.3E-07	5.7E-10	1.4E-08	7.0E-09	6.4E-09	1.9E-09	3.0E-08
169	642028.28	4291089.76	642028.28, 4291	2.30662	2.3064	2.30662	2.24523	1.31E-05	1.31E-05	2.46E-04	1.97E-04	4.69E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.1E-09	5.6E-09	1.7E-09	2.6E-08
170	642068.28	4291089.76	642068.28, 4291	2.02288	2.02269	2.02288	1.97392	1.15E-05	1.15E-05	2.15E-04	1.73E-04	4.12E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.3E-10	1.0E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
171	642108.28	4291089.76	642108.28, 4291	1.79137	1.79122	1.79137	1.75275	1.02E-05	1.02E-05	1.91E-04	1.54E-04	3.65E-04	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	3.8E-10	9.3E-09	4.8E-09	4.3E-09	1.3E-09	2.0E-08
172	642148.28	4291089.76	642148.28, 4291	1.59332	1.59319	1.59332	1.56438	9.05E-06	9.05E-06	1.70E-04	1.37E-04	3.25E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.4E-10	8.3E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
173	641268.28	4291129.76	641268.28, 4291	2.72137	2.72169	2.72137	2.55448	1.55E-05	1.55E-05	2.90E-04	2.24E-04	5.45E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.5E-09	2.0E-09	3.0E-08
174	641308.28	4291129.76	641308.28, 4291	3.12601	3.12638	3.12601	2.9389	1.78E-05	1.78E-05	3.33E-04	2.58E-04	6.27E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.6E-10	1.6E-08	8.2E-09	7.4E-09	2.2E-09	3.4E-08
175	641348.28	4291129.76	641348.28, 4291	3.58287	3.58329	3.58287	3.37134	2.03E-05	2.04E-05	3.82E-04	2.96E-04	7.18E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	7.5E-10	1.8E-08	9.4E-09	8.5E-09	2.6E-09	3.9E-08
176	641388.28	4291129.76	641388.28, 4291	4.07335	4.07381	4.07335	3.8297	2.31E-05	2.31E-05	4.34E-04	3.36E-04	8.16E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	2.9E-09	4.5E-08
177	641428.28	4291129.76	641428.28, 4291	4.57051	4.57098	4.57051	4.28362	2.60E-05	2.60E-05	4.87E-04	3.76E-04	9.15E-04	3.2E-07	9.6E-07	5.5E-07	5.0E-07	2.3E-07	9.6E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.0E-08
178	641468.28	4291129.76	641468.28, 4291	5.05377	5.05424	5.05377	4.70726	2.87E-05	2.87E-05	5.38E-04	4.14E-04	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.6E-09	5.5E-08
179	641508.28	4291129.76	641508.28, 4291	5.48275	5.48318	5.48275	5.06511	3.11E-05	3.11E-05	5.84E-04	4.45E-04	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	3.9E-09	6.0E-08
180	641548.28	4291129.76	641548.28, 4291	5.81578	5.81614	5.81578	5.32842	3.30E-05	3.30E-05	6.19E-04	4.68E-04	1.15E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	4.1E-09	6.3E-08
181	641588.28	4291129.76	641588.28, 4291	6.01926	6.01952	6.01926	5.48092	3.42E-05	3.42E-05	6.41E-04	4.82E-04	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.3E-09	3.0E-08	1.6E-08	1.4E-08	4.3E-09	6.5E-08
182	641628.28	4291129.76	641628.28, 4291	6.06907	6.06921	6.06907	5.51307	3.45E-05	3.45E-05	6.46E-04	4.84E-04	1.20E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.0E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
183	641668.28	4291129.76	641668.28, 4291	5.95295	5.95295	5.95295	5.4168	3.38E-05	3.38E-05	6.34E-04	4.76E-04	1.18E-03	4.1E-07	1.2E-06	7.1E-07	6.5E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	4.2E-09	6.5E-08
184	641708.28	4291129.76	641708.28, 4291	5.67563	5.6755	5.67563	5.18973	3.22E-05	3.22E-05	6.04E-04	4.56E-04	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	4.0E-09	6.2E-08
185	641748.28	4291129.76	641748.28, 4291	5.26449	5.26425	5.26449	4.84829	2.99E-05	2.99E-05	5.61E-04	4.26E-04	1.05E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.7E-08	1.4E-08	1.2E-08	3.8E-09	5.7E-08
186	641788.28	4291129.76	641788.28, 4291	4.76674	4.76642	4.76674	4.43084	2.71E-05	2.71E-05	5.08E-04	3.89E-04	9.51E-04	3.3E-07	9.9E-07	5.8E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
187	641828.28	4291129.76	641828.28, 4291	4.2341	4.23376	4.2341	3.98042	2.40E-05	2.40E-05	4.51E-04	3.50E-04	8.49E-04	2.9E-07	8.9E-07	5.1E-07	4.7E-07	2.1E-07	8.9E-10	2.2E-08	1.1E-08	1.0E-08	3.0E-09	4.7E-08
188	641868.28	4291129.76	641868.28, 4291	3.71645	3.71611	3.71645	3.53493	2.11E-05	2.11E-05	3.96E-04	3.11E-04	7.49E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.9E-10	1.9E-08	9.8E-09	8.9E-09	2.7E-09	4.1E-08
189	641908.28	4291129.76	641908.28, 4291	3.24024	3.23993	3.24024	3.11285	1.84E-05	1.84E-05	3.45E-04	2.73E-04	6.55E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	2.4E-09	3.6E-08
190	641948.28	4291129.76	641948.28, 4291	2.82192	2.82164	2.82192	2.72922	1.60E-05	1.60E-05	3.00E-04	2.40E-04	5.72E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.0E-10	1.5E-08	7.5E-09	6.8E-09	2.1E-09	3.1E-08
191	641988.28	4291129.76	641988.28, 4291	2.4632	2.46296	2.4632	2.39129	1.40E-05	1.40E-05	2.62E-04	2.10E-04	5.00E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	5.3E-10	1.3E-08	6.5E-09	5.9E-09	1.8E-09	2.7E-08
192	642028.28	4291129.76	642028.28, 4291	2.16064	2.16044	2.16064	2.1021	1.23E-05	1.23E-05	2.30E-04	1.85E-04	4.39E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.6E-10	1.1E-08	5.7E-09	5.2E-09	1.6E-09	2.4E-08
193	642068.28	4291129.76	642068.28, 4291	1.90738	1.90721	1.90738	1.8592	1.08E-05	1.08E-05	2.03E-04	1.63E-04	3.88E-04	1.3E-07	4.1E-07	2.3E-07	2.1E-07	9.7E-08	4.1E-10	9.9E-09	5.1E-09	4.6E-09	1.4E-09	2.1E-08
194	642108.28	4291129.76	642108.28, 4291	1.69516	1.69501	1.69516	1.6562	9.63E-06	9.63E-06	1.81E-04	1.46E-04	3.45E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.6E-10	8.8E-09	4.5E-09	4.1E-09	1.2E-09	1.9E-08
195	642148.28	4291129.76	642148.28, 4291	1.51587	1.51575	1.51587	1.4853	8.61E-06	8.61E-06	1.61E-04	1.30E-04	3.09E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.2E-10	7.8E-09	4.0E-09	3.7E-09	1.1E-09	1.7E-08
196	641374.56	4290226.75	641374.56, 429(	1.9202	1.92033	1.9202	1.99745	1.09E-05	1.09E-05	2.04E-04	1.75E-04	4.02E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.2E-10	1.0E-08	5.3E-09	4.8E-09	1.4E-09	2.2E-08
197	641414.56	4290226.75	641414.56, 429(	2.12362	2.12376	2.12362	2.23344	1.21E-05	1.21E-05	2.26E-04	1.96E-04	4.46E-04	1.5E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	4.7E-10	1.1E-08	5.8E-09	5.3E-09	1.6E-09	2.5E-08
198	641454.56	4290226.75	641454.56, 429(	2.34657	2.34671	2.34657	2.4968	1.33E-05	1.33E-05	2.50E-04	2.19E-04	4.96E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.2E-10	1.3E-08	6.5E-09	5.9E-09	1.8E-09	2.7E-08
199	641494.56	4290226.75	641494.56, 429(	2.58635	2.5865	2.58635	2.78458	1.47E-05	1.47E-05	2.75E-04	2.45E-04	5.49E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	2.0E-09	3.0E-08
200	641534.56	4290226.75	641534.56, 429(	2.84231	2.84245	2.84231	3.09444	1.61E-05	1.61E-05	3.03E-04	2.72E-04	6.07E-04	2.1E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	6.4E-10	1.5E-08	7.9E-09	7.2E-09	2.2E-09	3.3E-08
201	641574.56	4290226.75	641574.56, 429(	3.11474	3.11488	3.11474	3.42974	1.77E-05	1.77E-05	3.32E-04	3.01E-04	6.68E-04	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	7.0E-10	1.7E-08	8.7E-09	7.9E-09	2.4E-09	3.7E-08
202	641614.56	4290226.75	641614.56, 429(	3.40041	3.40054	3.40041	3.79303	1.93E-05	1.93E-05	3.62E-04	3.33E-04	7.34E-04	2.5E-07	7.7E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	2.6E-09	4.0E-08
203	641654.56	4290226.75	641654.56, 429(	3.70073	3.70084	3.70073	4.18345	2.10E-05	2.10E-05	3.94E-04	3.68E-04	8.04E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.1E-08	9.5E-09	2.9E-09	4.4E-08
204	641694.56	4290226.75	641694.56, 429(	4.01404	4.01415	4.01404	4.57345	2.28E-05	2.28E-05	4.27E-04	4.02E-04	8.75E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	9.2E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.8E-08
205	641734.56	4290226.75	641734.56, 429(	4.35305	4.35319	4.35305	4.95948	2.47E-05	2.47E-05	4.64E-04	4.36E-04	9.49E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
206	641774.56	4290226.75	641774.56, 429(	4.7636	4.76377	4.7636	5.43209	2.71E-05	2.71E-05	5.07E-04	4.77E-04	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	3.7E-09	5.7E-08
207	641814.56	4290226.75	641814.56, 429(	5.22719	5.22735	5.22719	6.05768	2.97E-05	2.97E-05	5.57E-04	5.32E-04	1.15E-03	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	4.1E-09	6.3E-08
208	641854.56	4290226.75	641854.56, 429(	5.61167	5.61167	5.61167	6.69729	3.19E-05	3.19E-05	5.98E-04	5.88E-04	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	4.5E-09	6.9E-08
209	641894.56	4290226.75	641894.56, 429(	5.75285	5.75263	5.75285	7.0178	3.27E-05	3.27E-05	6.13E-04	6.17E-04	1.29E-03	4.5E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.6E-09	7.1E-08
210	641934.56	4290226.75	641934.56, 429(	5.58543	5.58501	5.58543	6.81656	3.17E-05	3.17E-05	5.95E-04	5.99E-04	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	4.5E-09	6.9E-08
211	641974.56	4290226.75	641974.56, 429(	5.179	5.17847	5.179	6.21273	2.94E-05	2.94E-05	5.51E-04	5.46E-04	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	4.1E-09	6.4E-08
212	642014.56	4290226.75	642014.56, 429(	4.65363	4.65309	4.65363	5.44943	2.64E-05	2.64E-05	4.96E-04	4.79E-04	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.7E-09	5.6E-08
213	642054.56	4290226.75	642054.56, 429(	4.10564	4.10514	4.10564	4.69249	2.33E-05	2.33E-05	4.37E-04	4.12E-04	8.96E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.2E-07	9.4E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	4.9E-08
214	642094.56	4290226.75	642094.56, 429(	3.5901	3.58966	3.5901	4.01284	2.04E-05	2.04E-05	3.82E-04	3.53E-04	7.76E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	8.2E-10	2.0E-08	1.0E-08	9.2E-09	2.8E-09	4.3E-08
215	642134.56	4290226.75	642134.56, 429(	3.1313	3.13093	3.1313	3.4313	1.78E-05	1.78E-05	3.33E-04	3.01E-04	6.70E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.0E-10	1.7E-08	8.8E-09	7.9E-09	2.4E-09	3.7E-08
216	642174.56	4290226.75	642174.56, 429(	2.73289	2.73257	2.73289	2.94366	1.55E-05	1.55E-05	2.91E-04	2.59E-04	5.81E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	2.1E-09	3.2E-08
217	642214.56	4290226.75	642214.56, 429(	2.38913	2.38886	2.38913	2.536	1.36E-05	1.36E-05	2.54E-04	2.23E-04	5.04E-04	1.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	6.0E-09	1.8E-09	2.8E-08
218	642254.56	4290226.75	642254.56, 429(	2.0968	2.09658	2.0968	2.19836	1.19E-05	1.19E-05	2.23E-04	1.93E-04	4.40E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.6E-10	1.1E-08	5.8E-09	5.2E-09	1.6E-09	2.4E-08
219	642294.56	4290226.75	642294.56, 429(	1.84992	1.84973	1.84992	1.91933	1.05E-05	1.05E-05	1.97E-04	1.69E-04	3.87E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	4.1E-10	9.8E-09	5.1E-09	4.6E-09	1.4E-09	2.1E-08
220	642334.56	4290226.75	642334.56, 429(	1.64037	1.64021	1.64037	1.68691	9.32E-06	9.32E-06	1.75E-04	1.48E-04	3.42E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	3.6E-10	8.7E-09	4.5E-09	4.0E-09	1.2E-09	1.9E-08
221	642374.56	4290226.75	642374.56, 429(	1.46042	1.46029	1.46042	1.49084	8.29E-06	8.29E-06	1.56E-04	1.31E-04	3.03E-04	1.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.2E-10	7.7E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
222	642414.56	4290226.75	642414.56, 429(	1.30668	1.30657	1.30668	1.32599	7.42E-06	7.42E-06	1.39E-04	1.17E-04	2.70E-04	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.8E-10	6.9E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
223	642454.56	4290226.75	642454.56, 429(	1.17547	1.17537	1.17547	1.18734	6.68E-06	6.68E-06	1.25E-04	1.04E-04	2.43E-04	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
224	642494.56	4290226.75	642494.56, 429(	1.06247	1.06239	1.06247	1.06954	6.03E-06	6.03E-06	1.13E-04	9.40E-05	2.19E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
225	642534.56	4290226.75	642534.56, 429(	0.96484	0.96477	0.96484	0.96894	5.48E-06	5.48E-06	1.03E-04	8.51E-05	1.99E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.1E-10	5.0E-09	2.6E-09	2.4E-09	7.1E-10	1.1E-08
226	642574.56	4290226.75	642574.56, 429(	0.88	0.87994	0.88	0.88233	5.00E-06	5.00E-06	9.37E-05	7.75E-05	1.81E-04	6.3E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	1.0E-08
227	642614.56	4290226.75	642614.56, 429(	0.80701	0.80696	0.80701	0.80836	4.58E-06	4.58E-06	8.59E-05	7.10E-05	1.66E-04	5.8E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	6.0E-10	9.1E-09
228	641374.56	4290266.75	641374.56, 429(	2.09724	2.0974	2.09724	2.16744	1.19E-05	1.19E-05	2.23E-04	1.90E-04	4.38E-04	1.5E-07	4.6E-07	2.6E-07	2.4E-07	1.1E-07	4.6E-10	1.1E-08	5.7E-09	5.2E-09	1.6E-09	2.4E-08
229	641414.56	4290266.75	641414.56, 429(	2.34911	2.34928	2.34911	2.45673	1.33E-05	1.33E-05	2.50E-04	2.16E-04	4.93E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.2E-10	1.3E-08	6.4E-09	5.8E-09	1.8E-09	2.7E-08

230	641454.56	4290266.75	641454.56, 4290	2.62794	2.62812	2.62794	2.78733	1.49E-05	1.49E-05	2.80E-04	2.45E-04	5.55E-04	1.9E-07	5.8E-07	3.4E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.6E-09	2.0E-09	3.0E-08
231	641494.56	4290266.75	641494.56, 4290	2.93458	2.93477	2.93458	3.159	1.67E-05	1.67E-05	3.12E-04	2.78E-04	6.23E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.6E-10	1.6E-08	8.1E-09	7.4E-09	2.2E-09	3.4E-08
232	641534.56	4290266.75	641534.56, 4290	3.2698	3.26999	3.2698	3.57206	1.86E-05	1.86E-05	3.48E-04	3.14E-04	6.99E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.3E-09	2.5E-09	3.8E-08
233	641574.56	4290266.75	641574.56, 4290	3.63613	3.63633	3.63613	4.0301	2.07E-05	2.07E-05	3.87E-04	3.54E-04	7.83E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.3E-09	2.8E-09	4.3E-08
234	641614.56	4290266.75	641614.56, 4290	4.03153	4.03172	4.03153	4.53839	2.29E-05	2.29E-05	4.29E-04	3.99E-04	8.74E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	9.2E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.8E-08
235	641654.56	4290266.75	641654.56, 4290	4.44416	4.44433	4.44416	5.08726	2.52E-05	2.52E-05	4.73E-04	4.47E-04	9.71E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.3E-08
236	641694.56	4290266.75	641694.56, 4290	4.86504	4.86521	4.86504	5.63623	2.76E-05	2.76E-05	5.18E-04	4.95E-04	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.8E-09	5.9E-08
237	641734.56	4290266.75	641734.56, 4290	5.33816	5.33836	5.33816	6.1975	3.03E-05	3.03E-05	5.68E-04	5.45E-04	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	4.2E-09	6.4E-08
238	641774.56	4290266.75	641774.56, 4290	5.91818	5.91843	5.91818	6.89832	3.36E-05	3.36E-05	6.30E-04	6.06E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.2E-08
239	641814.56	4290266.75	641814.56, 4290	6.53694	6.53711	6.53694	7.80688	3.71E-05	3.71E-05	6.96E-04	6.86E-04	1.46E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.2E-09	8.0E-08
240	641854.56	4290266.75	641854.56, 4290	6.95565	6.95553	6.95565	8.58621	3.95E-05	3.95E-05	7.41E-04	7.54E-04	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	5.6E-09	8.6E-08
241	641894.56	4290266.75	641894.56, 4290	6.94817	6.94771	6.94817	8.69338	3.95E-05	3.95E-05	7.40E-04	7.64E-04	1.58E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	5.7E-09	8.7E-08
242	641934.56	4290266.75	641934.56, 4290	6.51816	6.51748	6.51816	8.04641	3.70E-05	3.70E-05	6.94E-04	7.07E-04	1.48E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.6E-09	3.7E-08	1.9E-08	1.7E-08	5.3E-09	8.1E-08
243	641974.56	4290266.75	641974.56, 4290	5.83974	5.839	5.83974	7.01162	3.32E-05	3.32E-05	6.22E-04	6.16E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.2E-08
244	642014.56	4290266.75	642014.56, 4290	5.09213	5.09143	5.09213	5.93367	2.89E-05	2.89E-05	5.42E-04	5.21E-04	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.8E-08	1.5E-08	1.3E-08	4.0E-09	6.2E-08
245	642054.56	4290266.75	642054.56, 4290	4.38331	4.38271	4.38331	4.96917	2.49E-05	2.49E-05	4.67E-04	4.37E-04	9.53E-04	3.3E-07	1.0E-06	5.8E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
246	642094.56	4290266.75	642094.56, 4290	3.76034	3.75984	3.76034	4.16125	2.14E-05	2.14E-05	4.00E-04	3.66E-04	8.09E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	2.9E-09	4.4E-08
247	642134.56	4290266.75	642134.56, 4290	3.23046	3.23004	3.23046	3.50159	1.83E-05	1.83E-05	3.44E-04	3.08E-04	6.88E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	7.2E-10	1.7E-08	9.0E-09	8.2E-09	2.5E-09	3.8E-08
248	642174.56	4290266.75	642174.56, 4290	2.78453	2.78419	2.78453	2.96604	1.58E-05	1.58E-05	2.97E-04	2.61E-04	5.89E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	7.0E-09	2.1E-09	3.2E-08
249	642214.56	4290266.75	642214.56, 4290	2.4103	2.41002	2.4103	2.53039	1.37E-05	1.37E-05	2.57E-04	2.22E-04	5.06E-04	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	6.0E-09	1.8E-09	2.8E-08
250	642254.56	4290266.75	642254.56, 4290	2.09789	2.09766	2.09789	2.17621	1.19E-05	1.19E-05	2.23E-04	1.91E-04	4.38E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.6E-10	1.1E-08	5.7E-09	5.2E-09	1.6E-09	2.4E-08
251	642294.56	4290266.75	642294.56, 4290	1.83945	1.83926	1.83945	1.8897	1.04E-05	1.04E-05	1.96E-04	1.66E-04	3.83E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	4.0E-10	9.7E-09	5.0E-09	4.5E-09	1.4E-09	2.1E-08
252	642334.56	4290266.75	642334.56, 4290	1.62351	1.62335	1.62351	1.65513	9.22E-06	9.22E-06	1.73E-04	1.45E-04	3.37E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.5E-10	8.5E-09	4.4E-09	4.0E-09	1.2E-09	1.9E-08
253	642374.56	4290266.75	642374.56, 4290	1.44068	1.44054	1.44068	1.4602	8.18E-06	8.18E-06	1.53E-04	1.28E-04	2.98E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.1E-10	7.6E-09	3.9E-09	3.5E-09	1.1E-09	1.6E-08
254	642414.56	4290266.75	642414.56, 4290	1.28614	1.28602	1.28614	1.29804	7.30E-06	7.30E-06	1.37E-04	1.14E-04	2.66E-04	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.6E-08	2.8E-10	6.7E-09	3.5E-09	3.1E-09	9.5E-10	1.5E-08
255	642454.56	4290266.75	642454.56, 4290	1.15601	1.15592	1.15601	1.16329	6.57E-06	6.56E-06	1.23E-04	1.02E-04	2.38E-04	8.3E-08	2.5E-07	1.4E-07	1.3E-07	6.0E-08	2.5E-10	6.1E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
256	642494.56	4290266.75	642494.56, 4290	1.04478	1.0447	1.04478	1.04932	5.93E-06	5.93E-06	1.11E-04	9.22E-05	2.15E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.3E-10	5.5E-09	2.8E-09	2.6E-09	7.7E-10	1.2E-08
257	642534.56	4290266.75	642534.56, 4290	0.94915	0.94908	0.94915	0.95213	5.39E-06	5.39E-06	1.01E-04	8.37E-05	1.96E-04	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.0E-10	1.1E-08
258	642574.56	4290266.75	642574.56, 4290	0.86592	0.86586	0.86592	0.86801	4.92E-06	4.92E-06	9.22E-05	7.63E-05	1.78E-04	6.2E-08	1.9E-07	1.1E-07	9.8E-08	4.5E-08	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.8E-09
259	642614.56	4290266.75	642614.56, 4290	0.79436	0.79431	0.79436	0.79593	4.51E-06	4.51E-06	8.46E-05	6.99E-05	1.64E-04	5.7E-08	1.7E-07	9.9E-08	9.0E-08	4.1E-08	1.7E-10	4.2E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
260	641374.56	4290306.75	641374.56, 4290	2.28677	2.28696	2.28677	2.34261	1.30E-05	1.30E-05	2.44E-04	2.06E-04	4.75E-04	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.0E-10	1.2E-08	6.2E-09	5.6E-09	1.7E-09	2.6E-08
261	641414.56	4290306.75	641414.56, 4290	2.59667	2.59689	2.59667	2.69305	1.47E-05	1.47E-05	2.77E-04	2.37E-04	5.43E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.4E-09	1.9E-09	3.0E-08
262	641454.56	4290306.75	641454.56, 4290	2.94841	2.94865	2.94841	3.10629	1.67E-05	1.67E-05	3.14E-04	2.73E-04	6.20E-04	2.1E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.5E-10	1.6E-08	8.1E-09	7.3E-09	2.2E-09	3.4E-08
263	641494.56	4290306.75	641494.56, 4290	3.34903	3.34929	3.34903	3.5928	1.90E-05	1.90E-05	3.57E-04	3.16E-04	7.10E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.5E-10	1.8E-08	9.3E-09	8.4E-09	2.5E-09	3.9E-08
264	641534.56	4290306.75	641534.56, 4290	3.80137	3.80165	3.80137	4.15811	2.16E-05	2.16E-05	4.05E-04	3.65E-04	8.13E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	2.9E-09	4.5E-08
265	641574.56	4290306.75	641574.56, 4290	4.30717	4.30745	4.30717	4.80315	2.45E-05	2.45E-05	4.59E-04	4.22E-04	9.30E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.8E-10	2.4E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
266	641614.56	4290306.75	641614.56, 4290	4.85124	4.85152	4.85124	5.51733	2.76E-05	2.76E-05	5.17E-04	4.85E-04	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.8E-09	5.8E-08
267	641654.56	4290306.75	641654.56, 4290	5.42595	5.42621	5.42595	6.30647	3.08E-05	3.08E-05	5.78E-04	5.54E-04	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.3E-09	3.0E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
268	641694.56	4290306.75	641694.56, 4290	6.03471	6.03495	6.03471	7.13858	3.43E-05	3.43E-05	6.43E-04	6.27E-04	1.34E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	4.8E-09	7.4E-08
269	641734.56	4290306.75	641734.56, 4290	6.7218	6.72209	6.7218	7.99779	3.82E-05	3.82E-05	7.16E-04	7.03E-04	1.49E-03	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.6E-09	3.8E-08	2.0E-08	1.8E-08	5.4E-09	8.2E-08
270	641774.56	4290306.75	641774.56, 4290	7.55506	7.55541	7.55506	9.07311	4.29E-05	4.29E-05	8.05E-04	7.97E-04	1.69E-03	5.8E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.1E-09	9.3E-08
271	641814.56	4290306.75	641814.56, 4290	8.38435	8.38447	8.38435	10.42154	4.76E-05	4.76E-05	8.93E-04	9.16E-04	1.90E-03	6.6E-07	2.0E-06	1.2E-06	1.0E-06	4.8E-07	2.0E-09	4.8E-08	2.5E-08	2.3E-08	6.8E-09	1.0E-07
272	641854.56	4290306.75	641854.56, 4290	8.75646	8.75605	8.75646	11.23762	4.97E-05	4.97E-05	9.32E-04	9.87E-04	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	7.2E-09	1.1E-07
273	641894.56	4290306.75	641894.56, 4290	8.41812	8.41726	8.41812	10.77216	4.78E-05	4.78E-05	8.96E-04	9.46E-04	1.94E-03	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.0E-09	4.9E-08	2.5E-08	2.3E-08	7.0E-09	1.1E-07
274	641934.56	4290306.75	641934.56, 4290	7.55883	7.55779	7.55883	9.38371	4.29E-05	4.29E-05	8.05E-04	8.24E-04	1.72E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.8E-09	4.4E-08	2.2E-08	2.0E-08	6.2E-09	9.4E-08
275	641974.56	4290306.75	641974.56, 4290	6.50969	6.50869	6.50969	7.78286	3.70E-05	3.70E-05	6.93E-04	6.84E-04	1.45E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.2E-09	8.0E-08
276	642014.56	4290306.75	642014.56, 4290	5.49685	5.496	5.49685	6.34577	3.12E-05	3.12E-05	5.85E-04	5.58E-04	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
277	642054.56	4290306.75	642054.56, 4290	4.61508	4.61438	4.61508	5.16849	2.62E-05	2.62E-05	4.91E-04	4.54E-04	9.98E-04	3.5E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.6E-09	5.5E-08
278	642094.56	4290306.75	642094.56, 4290	3.88668	3.88612	3.88668	4.243	2.21E-05	2.21E-05	4.14E-04	3.73E-04	8.31E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	3.0E-09	4.6E-08
279	642134.56	4290306.75	642134.56, 4290	3.28892	3.28847	3.28892	3.51548	1.87E-05	1.87E-05	3.50E-04	3.09E-04	6.96E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.3E-09	2.5E-09	3.8E-08
280	642174.56	4290306.75	642174.56, 4290	2.80177	2.80141	2.80177	2.94411	1.59E-05	1.59E-05	2.98E-04	2.59E-04	5.89E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	7.0E-09	2.1E-09	3.2E-08
281	642214.56	4290306.75	642214.56, 4290	2.40479	2.4045	2.40479	2.49312	1.37E-05	1.37E-05	2.56E-04	2.19E-04	5.02E-04	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	6.0E-09	1.8E-09	2.8E-08
282	642254.56	4290306.75	642254.56, 4290	2.0804	2.08016	2.0804	2.13462	1.18E-05	1.18E-05	2.22E-04	1.88E-04	4.33E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	4.5E-10	1.1E-08	5.7E-09	5.1E-09	1.6E-09	2.4E-08
283	642294.56	4290306.75	642294.56, 4290	1.81535	1.81516	1.81535	1.84846	1.03E-05	1.03E-05	1.93E-04	1.62E-04	3.76E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.0E-10	9.6E-09	4.9E-09	4.5E-09	1.4E-09	2.1E-08
284	642334.56	4290306.75	642334.56, 4290	1.59711	1.59695	1.59711	1.61742	9.07E-06	9.07E-06	1.70E-04	1.42E-04	3.30E-04	1.1E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.5E-10	8.4E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
285	642374.56	4290306.75	642374.56, 4290	1.41404	1.41391	1.41404	1.42671	8.03E-06	8.03E-06	1.51E-04	1.25E-04	2.92E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	3.1E-10	7.4E-09	3.8E-09	3.5E-09	1.0E-09	1.6E-08
286	642414.56	4290306.75	642414.56, 4290	1.2615	1.26139	1.2615	1.26973	7.16E-06	7.16E-06	1.34E-04	1.12E-04	2.60E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.7E-10	6.6E-09	3.4E-09	3.1E-09	9.3E-10	1.4E-08
287	642454.56	4290306.75	642454.56, 4290	1.13426	1.13416	1.13426	1.1399	6.44E-06	6.44E-06	1.21E-04	1.00E-04	2.34E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.9E-08	2.5E-10	5.9E-09	3.1E-09	2.8E-09	8.4E-10	1.3E-08
288	642494.56	4290306.75	642494.56, 4290	1.02591	1.02583	1.02591	1.03002	5.83E-06	5.83E-06	1.09E-04	9.05E-05	2.11E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
289	642534.56	4290306.75	642534.56, 4290	0.93288	0.93281	0.93288	0.93602	5.30E-06	5.30E-06	9.93E-05	8.22E-05	1.92E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.0E-10	4.9E-09	2.5E-09	2.3E-09	6.9E-10	1.1E-08
290	642574.56	4290306.75	642574.56, 4290	0.85209	0.85203	0.85209	0.85454	4.84E-06	4.84E-06	9.07E-05	7.51E-05	1.75E-04	6.1E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	1.8E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
291	642614.56	4290306.75	642614.56, 4290	0.76059	0.76054	0.76059	0.77783	4.32E-06	4.32E-06	8.10E-05	6.83E-05	1.58E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.7E-10	4.0E-09	2.1E-09	1.9E-09	5.7E-10	8.7E-09
292	641374.56	4290346.75	641374.56, 4290	2.48694	2.48718	2.48694	2.52166	1.41E-05	1.41E-05	2.65E-04	2.22E-04	5.15E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.7E-09	6.1E-09	1.8E-09	2.8E-08
293	641414.56	4290346.75	641414.56, 4290	2.86305	2.86333	2.86305	2.93638	1.63E-05	1.63E-05	3.05E-04	2.58E-04	5.95E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	2.1E-09	3.3E-08
294	641454.56	4290346.75	641454.56, 4290	3.31258	3.31291	3.31258	3.45177	1.88E-05	1.88E-05	3.53E-04	3.03E-04	6.94E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.2E-09	2.5E-09	3.8E-08
295	641494.56	4290346.75	641494.56, 4290	3.84303	3.84339	3.84303	4.08768	2.18E-05	2.18E-05	4.09E-04	3.59E-04	8.12E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	2.9E-09	4.5E-08
296	641534.56	4290346.75	641534.56, 4290	4.45452	4.45492	4.45452	4.85733	2.53E-05	2.53E-05	4.74E-04	4.27E-04	9.52E-04	3.3E-07	9.9E-07	5.8E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
297	641574.56	4290346.75	641574.56, 4290	5.14702	5.14744	5.14702	5.76696	2.92E-05	2.92E-05	5.48E-04	5.07E-04	1.11E-03	3.9E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.2E-09	2.8E-08	1.5E-08	1.3E-08	4.0E-09	6.1E-08
298	641614.56	4290346.75	641614.56, 4290	5.92906	5.92949	5.92906	6.82417	3.37E-05	3.37E-05	6.31E-04	6.00E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.1E-08
299	641654.56	4290346.75	641654.56, 4290	6.79285	6.79326	6.79285	8.03825	3.86E-05	3.86E-05	7.23E-04	7.06E-04	1.51E-03	5.2E-07	1.6E-06	9.1E-07	8.3E-07	3.8E-07	1.6E-09	3.8E-08	2.0E-08	1.8E-08	5.4E-09	8.3E-08
300	641694.56	4290346.75	641694.56, 4290	7.70925	7.70963	7.70925	9.36737	4.38E-05	4.38E-05	8.21E-04	8.23E-04	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	1.8E-09	4.4E-08	2.3E-08	2.1E-08	6.2E-09	9.5E-08
301	641734.56	4290346.75	641734.56, 4290	8.74575	8.74622	8.74575	10.75745	4.97E-05	4.97E-05	9.31E-04	9.45E-04	1.98E-03	6.8E-07	2.1E-06	1.2E-06	1.1E-06	4.9E-07	2.1E-09	5.0E-08	2.6E-08	2.3E-08	7.1E-09	1.1E-07
302	641774.56	4290346.75	641774.56, 4290	10.01809	10.01858	10.01809	12.54691	5.69E-05	5.69E-05	1.07E-03	1.10E-03	2.28E-03	7.9E-07	2.4E-06	1.4E-06	1.3E-06	5.7E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	8.2E-09	1.3E-07
303	641814.56	4290346.75	641814.56, 4290	11.09559	11.0955	11.09559	14.54866	6.30E-05	6.30E-05	1.18E-03	1.28E-03	2.59E-03	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	2.7E-09	6.6E-08	3.4E-08	3.1E-08	9.3E-09	1.4E-07
304	641854.56	4290346.75	641854.56, 4290	11.16926	11.16826	11.16926	14.93706	6.34E-05	6.34E-05	1.19E-03	1.31E-03	2.63E-03	9.1E-07	2.7E-06	1.6E-06	1.4E-06	6.6E-07	2.8E-09	6.7E-08	3.4E-08	3.1E-08	9.4E-09	1.4E-07
305	641894.56	4290346.75	641894.56, 4290	10.15497	10.15346	10.15497	13.19741	5.77E-05	5.77E-05	1.08E-03	1.16E-03	2.36E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.5E-09	6.0E-08	3.1E-08	2.8E-08	8.5E-09	1.3E-07
306	641934.56	4290346.75	641934.56, 4290	8.63804	8.63654	8.63804	10.69808	4.91E-05	4.90E-05	9.20E-04	9.40E-04	1.96E-03	6.8E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.1E-09	5.0E-08	2.6E-08	2.3E-08	7.0E-09	1.1E-07
307	641974.56	4290346.75	641974.56, 4290	7.1315	7.13021	7.1315	8.43398	4.05E-05	4.05E-05	7.59E-04	7.41E-04	1.58E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	5.7E-09	8.7E-08
308	642014.56	4290346.75	642014.56, 4290	5.83421	5.83319	5.83421	6.63307	3.31E-05	3.31E-05	6.21E-04	5.83E-04	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	4.6E-09	7.0E-08
309	642054.56	4290346.75	642054.56, 4290	4.78242	4.78163	4.78242	5.2633	2.72E-05	2.72E-05	5.09E-04	4.62E-04	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.7E-09	5.6E-08
310	642094.56	4290346.75	642094.56, 4290	3.95358	3.95296	3.95358	4.23992	2.25E-05	2.24E-05	4.21E-04	3.73E-04	8.38E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	9.9E-09	3.0E-09	4.6E-08
311	642134.56	4290346.75	642134.56, 4290	3.29718	3.2967	3.29718	3.4661	1.87E-05	1.87E-05	3.51E-04	3.05E-04	6.93E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.2E-09	2.5E-09	3.8E-08
312	642174.56	4290346.75	642174.56, 4290	2.78194	2.78157	2.78194	2.88153	1.58E-05	1.58E-05	2.96E-04	2.53E-04	5.81E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	2.1E-09	3.2E-08
313	642214.56	4290346.75	642214.56, 4290	2.37237	2.37208	2.37237	2.43143	1.35E-05	1.35E-05	2.53E-04	2.14E-04	4.93E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.2E-10	1.3E-08	6.4E-09	5.8E-09	1.8E-09	2.7E-08
314	642254.56	4290346.75	642254.56, 4290	2.04529	2.04506	2.04529	2.08101	1.16E-05	1.16E-05	2.18E-04	1.83E-04	4.24E-04	1.5E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	4.5E-10	1.1E-08	5.5E-09	5.0E-09	1.5E-09	2.3E-08
315	642294.56	4290346.75	642294.56, 4290	1.7808	1.78061	1.7808	1.80318	1.01E-05	1.01E-05	1.90E-04	1.58E-04	3.68E-04	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	3.9E-10	9.3E-09	4.8E-09	4.4E-09	1.3E-09	2.0E-08
316	642334.56	4290346.75	642334.56, 4290	1.56465	1.56449	1.56465	1.57937	8.89E-06	8.89E-06	1.67E-04	1.39E-04	3.23E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.4E-10	8.2E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
317	642374.56	4290346.75	642374.56, 4290	1.38567	1.38555	1.38567	1.39591	7.87E-06	7.87E-06	1.48E-04	1.23E-04	2.86E-04	9.9E-08	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.0E-10	7.3E-09	3.7E-09	3.4E-09	1.0E-09	1.6E-08
318	642414.56	4290346.75	642414.56, 4290	1.23688	1.23677	1.23688	1.24438	7.02E-06	7.02E-06	1.32E-04	1.09E-04	2.55E-04	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.7E-10	6.5E-09	3.3E-09	3.0E-09	9.2E-10	1.4E-08
319	642454.56	4290346.75	642454.56, 4290	1.11279	1.1127	1.11279	1.11849	6.32E-06	6.32E-06	1.18E-04	9.83E-05	2.29E-04	7.9E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.4E-10	5.8E-09	3.0E-09	2.7E-09	8.2E-10	1.3E-08
320	642494.56	4290346.75	642494.56, 4290	1.00744	1.00736	1.00744	1.01185	5.72E-06	5.72E-06	1.07E-04	8.89E-05	2.08E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.1E-08
321	642534.56	4290346.75	642534.56, 4290	0.91703	0.91697	0.91703	0.92041	5.21E-06	5.21E-06	9.77E-05	8.09E-05	1.89E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.0E-10	4.8E-09	2.5E-09	2.2E-09	6.8E-10	1.0E-08
322	642574.56	4290346.75	642574.56, 4290	0.83849	0.83844	0.83849	0.84102	4.76E-06	4.76E-06	8.93E-05	7.39E-05	1.73E-04	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	1.8E-10	4.4E-09	2.3E-09	2.0E-09	6.2E-10	9.5E-09
323	642614.56	4290346.75	642614.56, 4290	0.74052	0.74048	0.74052	0.75743	4.21E-06	4.21E-06	7.89E-05	6.65E-05	1.54E-04	5.3E-08	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.5E-09
324	641374.56	4290386.75	641374.56, 4290	2.69188	2.69217	2.69188	2.70607	1.53E-05	1.53E-05	2.87E-04	2.38E-04	5.55E-04	1.9E-07	5.8E-07	3.4E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.3E-09	6.6E-09	2.0E-09	3.0E-08
325	641414.56	4290386.75	641414.56, 4290	3.14389	3.14425	3.14389	3.18582	1.79E-05	1.79E-05	3.35E-04	2.80E-04	6.50E-04	2.3E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	6.8E-10	1.7E-08	8.5E-09	7.7E-09	2.3E-09	3.6E-08
326	641454.56	4290386.75	641454.56, 4290	3.70633	3.70677	3.70633	3.80582	2.10E-05	2.11E-05	3.95E-04	3.34E-04	7.71E-04	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.1E-09	2.8E-09	4.2E-08
327	641494.56	4290386.75	641494.56, 4290	4.39302	4.39354	4.39302	4.60813	2.49E-05	2.50E-05	4.68E-04	4.05E-04	9.23E-04	3.2E-07	9.6E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
328	641534.56	4290386.75	641534.56, 4290	5.23528	5.23586	5.23528	5.65119	2.97E-05	2.97E-05	5.57E-04	4.97E-04	1.11E-03	3.9E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.2E-09	2.8E-08	1.5E-08	1.3E-08	4.0E-09	6.1E-08
329	641574.56	4290386.75	641574.56, 4290	6.24926	6.24991	6.24926	6.98551	3.55E-05	3.55E-05	6.65E-04	6.14E-04	1.35E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	4.8E-09	7.4E-08
330	641614.56	4290386.75	641614.56, 4290	7.43023	7.43092	7.43023	8.63095	4.22E-05	4.22E-05	7.91E-04	7.58E-04	1.63E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	5.9E-09	9.0E-08
331	641654.56	4290386.75	641654.56, 4290	8.77093	8.77161	8.77093	10.60296	4.98E-05	4.98E-05	9.34E-04	9.32E-04	1.97E-03	6.8E-07	2.1E-06	1.2E-06	1.1E-06	4.9E-07	2.1E-09	5.0E-08	2.6E-08	2.3E-08	7.1E-09	1.1E-07
332	641694.56	4290386.75	641694.56, 4290	10.22739	10.22804	10.22739	12.87854	5.81E-05	5.81E-05	1.09E-03	1.13E-03	2.34E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.5E-09	5.9E-08	3.1E-08	2.8E-08	8.4E-09	1.3E-07
333	641734.56	4290386.75	641734.56, 4290	11.90632	11.90712	11.90632	15.344	6.76E-05	6.76E-05	1.27E-03	1.35E-03	2.75E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	2.9E-09	7.0E-08	3.6E-08	3.3E-08	9.9E-09	1.5E-07
334	641774.56	4290386.75	641774.56, 4290	13.94789	13.94852	13.94789	18.59391	7.92E-05	7.92E-05	1.49E-03	1.63E-03	3.28E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.2E-07	3.4E-09	8.3E-08	4.3E-08	3.9E-08	1.2E-08	1.8E-07
335	641814.56	4290386.75	641814.56, 4290	15.1877	15.18691	15.1877	21.34621	8.63E-05	8.62E-05	1.62E-03	1.88E-03	3.67E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.2E-07	3.9E-09	9.3E-08	4.8E-08	4.3E-08	1.3E-08	2.0E-07
336	641854.56	4290386.75	641854.56, 4290	14.34365	14.34148	14.34365	19.90721	8.15E-05	8.14E-05	1.53E-03	1.75E-03	3.44E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	3.6E-09	8.7E-08	4.5E-08	4.1E-08	1.2E-08	1.9E-07
337	641894.56	4290386.75	641894.56, 4290	12.0861	12.08365	12.0861	15.76425	6.86E-05	6.86E-05	1.29E-03	1.39E-03	2.81E-03	9.7E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.0E-09	7.1E-08	3.7E-08	3.3E-08	1.0E-08	1.5E-07
338	641934.56	4290386.75	641934.56, 4290	9.6599	9.65784	9.6599	11.81022	5.49E-05	5.48E-05	1.03E-03	1.04E-03	2.18E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.3E-09	5.5E-08	2.8E-08	2.6E-08	7.8E-09	1.2E-07
339	641974.56	4290386.75	641974.56, 4290	7.62302	7.62145	7.62302	8.83262	4.33E-05	4.33E-05	8.12E-04	7.76E-04	1.67E-03	5.8E-07	1.8E-06	1.0E-06	9.2E-07	4.2E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.0E-09	9.2E-08
340	642014.56	4290386.75	642014.56, 4290	6.04912	6.04796	6.04912	6.71828	3.44E-05	3.43E-05	6.44E-04	5.90E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.2E-08
341	642054.56	4290386.75	642054.56, 4290	4.854	4.85314	4.854	5.22119	2.76E-05	2.76E-05	5.17E-04	4.59E-04	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.7E-09	5.7E-08
342	642094.56	4290386.75	642094.56, 4290	3.94979	3.94915	3.94979	4.15227	2.24E-05	2.24E-05	4.21E-04	3.65E-04	8.30E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	3.0E-09	4.6E-08
343	642134.56	4290386.75	642134.56, 4290	3.25882	3.25834	3.25882	3.37254	1.85E-05	1.85E-05	3.47E-04	2.96E-04	6.80E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.9E-09	8.1E-09	2.4E-09	3.7E-08
344	642174.56	4290386.75	642174.56, 4290	2.73295	2.73258	2.73295	2.79945	1.55E-05	1.55E-05	2.91E-04	2.46E-04	5.68E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	6.0E-10	1.4E-08	7.4E-09	6.7E-09	2.0E-09	3.1E-08
345	642214.56	4290386.75	642214.56, 4290	2.32321	2.32292	2.32321	2.36416	1.32E-05	1.32E-05	2.47E-04	2.08E-04	4.81E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.1E-10	1.2E-08	6.3E-09	5.7E-09	1.7E-09	2.6E-08
346	642254.56	4290386.75	642254.56, 4290	2.00007	1.99984	2.00007	2.02687	1.14E-05	1.14E-05	2.13E-04	1.78E-04	4.14E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.3E-10	1.1E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
347	642294.56	4290386.75	642294.56, 4290	1.74086	1.74067	1.74086	1.75947	9.89E-06	9.89E-06	1.85E-04	1.55E-04	3.60E-04	1.2E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	3.8E-10	9.1E-09	4.7E-09	4.3E-09	1.3E-09	2.0E-08
348	642334.56	4290386.75	642334.56, 4290	1.52985	1.5297	1.52985	1.5434	8.69E-06	8.69E-06	1.63E-04	1.36E-04	3.16E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.3E-10	8.0E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
349	642374.56	4290386.75	642374.56, 4290	1.35647	1.35635	1.35647	1.36662	7.70E-06	7.70E-06	1.44E-04	1.20E-04	2.80E-04	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	2.9E-10	7.1E-09	3.7E-09	3.3E-09	1.0E-09	1.5E-08

350	642414.56	4290386.75	642414.56, 429(	1.21195	1.21185	1.21195	1.21963	6.88E-06	6.88E-06	1.29E-04	1.07E-04	2.50E-04	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.6E-10	6.3E-09	3.3E-09	3.0E-09	9.0E-10	1.4E-08
351	642454.56	4290386.75	642454.56, 429(	1.09192	1.09183	1.09192	1.09772	6.20E-06	6.20E-06	1.16E-04	9.64E-05	2.25E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.6E-08	2.4E-10	5.7E-09	2.9E-09	2.7E-09	8.1E-10	1.2E-08
352	642494.56	4290386.75	642494.56, 429(	0.9898	0.98973	0.9898	0.9941	5.62E-06	5.62E-06	1.05E-04	8.73E-05	2.04E-04	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
353	642534.56	4290386.75	642534.56, 429(	0.90207	0.902	0.90207	0.90513	5.12E-06	5.12E-06	9.61E-05	7.95E-05	1.86E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.7E-08	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
354	642574.56	4290386.75	642574.56, 429(	0.82573	0.82567	0.82573	0.82776	4.69E-06	4.69E-06	8.79E-05	7.27E-05	1.70E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.3E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.3E-09
355	642614.56	4290386.75	642614.56, 429(	0.75928	0.75923	0.75928	0.76046	4.31E-06	4.31E-06	8.09E-05	6.68E-05	1.56E-04	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.6E-10	4.0E-09	2.0E-09	1.9E-09	5.6E-10	8.6E-09
356	641374.56	4290426.75	641374.56, 429(	2.89884	2.89919	2.89884	2.89903	1.65E-05	1.65E-05	3.09E-04	2.55E-04	5.96E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	2.1E-09	3.3E-08
357	641414.56	4290426.75	641414.56, 429(	3.43379	3.43423	3.43379	3.44669	1.95E-05	1.95E-05	3.66E-04	3.03E-04	7.07E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.2E-09	8.4E-09	2.5E-09	3.9E-08
358	641454.56	4290426.75	641454.56, 429(	4.11935	4.11991	4.11935	4.17059	2.34E-05	2.34E-05	4.39E-04	3.66E-04	8.52E-04	2.9E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.7E-08
359	641494.56	4290426.75	641494.56, 429(	5.00156	5.00228	5.00156	5.1489	2.84E-05	2.84E-05	5.33E-04	4.52E-04	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	3.7E-09	5.7E-08
360	641534.56	4290426.75	641534.56, 429(	6.18008	6.18096	6.18008	6.52864	3.51E-05	3.51E-05	6.58E-04	5.74E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.2E-08
361	641574.56	4290426.75	641574.56, 429(	7.68415	7.6852	7.68415	8.45545	4.36E-05	4.36E-05	8.18E-04	7.43E-04	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.0E-07	4.1E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	5.9E-09	9.1E-08
362	641614.56	4290426.75	641614.56, 429(	9.53487	9.53606	9.53487	11.09154	5.42E-05	5.42E-05	1.02E-03	9.75E-04	2.10E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.2E-09	5.3E-08	2.7E-08	2.5E-08	7.5E-09	1.2E-07
363	641654.56	4290426.75	641654.56, 429(	11.7479	11.74913	11.7479	14.55359	6.67E-05	6.67E-05	1.25E-03	1.28E-03	2.66E-03	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	2.8E-09	6.8E-08	3.5E-08	3.2E-08	9.6E-09	1.5E-07
364	641694.56	4290426.75	641694.56, 429(	14.26299	14.26418	14.26299	18.85515	8.10E-05	8.10E-05	1.52E-03	1.66E-03	3.34E-03	1.2E-06	3.5E-06	2.0E-06	1.8E-06	8.4E-07	3.5E-09	8.5E-08	4.4E-08	4.0E-08	1.2E-08	1.8E-07
365	641734.56	4290426.75	641734.56, 429(	17.2915	17.29298	17.2915	23.94044	9.82E-05	9.82E-05	1.84E-03	2.10E-03	4.14E-03	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	4.4E-09	1.1E-07	5.4E-08	4.9E-08	1.5E-08	2.3E-07
366	641774.56	4290426.75	641774.56, 429(	20.76454	20.76508	20.76454	30.57199	1.18E-04	1.18E-04	2.21E-03	2.69E-03	5.13E-03	1.8E-06	5.4E-06	3.1E-06	2.8E-06	1.3E-06	5.4E-09	1.3E-07	6.7E-08	6.1E-08	1.8E-08	2.8E-07
367	641814.56	4290426.75	641814.56, 429(	21.4823	21.47946	21.4823	32.81344	1.22E-04	1.22E-04	2.29E-03	2.88E-03	5.41E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	5.7E-09	1.4E-07	7.1E-08	6.4E-08	1.9E-08	3.0E-07
368	641854.56	4290426.75	641854.56, 429(	18.28989	18.28559	18.28989	25.94384	1.04E-04	1.04E-04	1.95E-03	2.28E-03	4.43E-03	1.5E-06	4.6E-06	2.7E-06	2.4E-06	1.1E-06	4.7E-09	1.1E-07	5.8E-08	5.3E-08	1.6E-08	2.4E-07
369	641894.56	4290426.75	641894.56, 429(	14.03392	14.03026	14.03392	18.0529	7.97E-05	7.97E-05	1.49E-03	1.59E-03	3.24E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	3.4E-09	8.2E-08	4.2E-08	3.8E-08	1.2E-08	1.8E-07
370	641934.56	4290426.75	641934.56, 429(	10.48741	10.48479	10.48741	12.46423	5.96E-05	5.95E-05	1.12E-03	1.10E-03	2.33E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.4E-09	5.9E-08	3.0E-08	2.8E-08	8.4E-09	1.3E-07
371	641974.56	4290426.75	641974.56, 429(	7.91625	7.91444	7.91625	8.87965	4.50E-05	4.49E-05	8.43E-04	7.80E-04	1.71E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.1E-09	9.4E-08
372	642014.56	4290426.75	642014.56, 429(	6.10536	6.1041	6.10536	6.58322	3.47E-05	3.47E-05	6.50E-04	5.78E-04	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.1E-08
373	642054.56	4290426.75	642054.56, 429(	4.81532	4.81443	4.81532	5.06213	2.73E-05	2.73E-05	5.13E-04	4.45E-04	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.6E-09	5.6E-08
374	642094.56	4290426.75	642094.56, 429(	3.87906	3.87842	3.87906	4.01461	2.20E-05	2.20E-05	4.13E-04	3.53E-04	8.10E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	2.9E-09	4.4E-08
375	642134.56	4290426.75	642134.56, 429(	3.18608	3.18561	3.18608	3.26627	1.81E-05	1.81E-05	3.39E-04	2.87E-04	6.62E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.0E-10	1.7E-08	8.7E-09	7.8E-09	2.4E-09	3.6E-08
376	642174.56	4290426.75	642174.56, 429(	2.66549	2.66513	2.66549	2.71683	1.51E-05	1.51E-05	2.84E-04	2.39E-04	5.53E-04	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	2.0E-09	3.0E-08
377	642214.56	4290426.75	642214.56, 429(	2.26461	2.26433	2.26461	2.29967	1.29E-05	1.29E-05	2.41E-04	2.02E-04	4.69E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.1E-09	5.6E-09	1.7E-09	2.6E-08
378	642254.56	4290426.75	642254.56, 429(	1.95004	1.94982	1.95004	1.97511	1.11E-05	1.11E-05	2.08E-04	1.74E-04	4.03E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.2E-10	1.0E-08	5.3E-09	4.8E-09	1.4E-09	2.2E-08
379	642294.56	4290426.75	642294.56, 429(	1.69985	1.69967	1.69985	1.71829	9.65E-06	9.65E-06	1.81E-04	1.51E-04	3.51E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	3.7E-10	8.9E-09	4.6E-09	4.2E-09	1.3E-09	1.9E-08
380	642334.56	4290426.75	642334.56, 429(	1.49639	1.49625	1.49639	1.51013	8.50E-06	8.50E-06	1.59E-04	1.33E-04	3.09E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.2E-10	7.8E-09	4.0E-09	3.7E-09	1.1E-09	1.7E-08
381	642374.56	4290426.75	642374.56, 429(	1.32899	1.32887	1.32899	1.33921	7.55E-06	7.55E-06	1.42E-04	1.18E-04	2.74E-04	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.9E-10	7.0E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
382	642414.56	4290426.75	642414.56, 429(	1.18926	1.18916	1.18926	1.19676	6.75E-06	6.75E-06	1.27E-04	1.05E-04	2.45E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.3E-08
383	642454.56	4290426.75	642454.56, 429(	1.07245	1.07237	1.07245	1.07785	6.09E-06	6.09E-06	1.14E-04	9.47E-05	2.21E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
384	642494.56	4290426.75	642494.56, 429(	0.97335	0.97328	0.97335	0.97713	5.53E-06	5.53E-06	1.04E-04	8.59E-05	2.01E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
385	642534.56	4290426.75	642534.56, 429(	0.88827	0.8882	0.88827	0.89077	5.04E-06	5.04E-06	9.46E-05	7.83E-05	1.83E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
386	642574.56	4290426.75	642574.56, 429(	0.81392	0.81387	0.81392	0.81541	4.62E-06	4.62E-06	8.67E-05	7.16E-05	1.68E-04	5.8E-08	1.8E-07	1.0E-07	9.2E-08	4.2E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
387	642614.56	4290426.75	642614.56, 429(	0.74947	0.74942	0.74947	0.75018	4.26E-06	4.26E-06	7.98E-05	6.59E-05	1.54E-04	5.3E-08	1.6E-07	9.3E-08	8.5E-08	3.9E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.5E-09
388	641374.56	4290466.75	641374.56, 429(	3.10877	3.10917	3.10877	3.0925	1.77E-05	1.77E-05	3.31E-04	2.72E-04	6.38E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.6E-09	2.3E-09	3.5E-08
389	641414.56	4290466.75	641414.56, 429(	3.72191	3.72243	3.72191	3.71177	2.11E-05	2.11E-05	3.96E-04	3.26E-04	7.65E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	1.0E-08	9.1E-09	2.7E-09	4.2E-08
390	641454.56	4290466.75	641454.56, 429(	4.53974	4.54044	4.53974	4.54804	2.58E-05	2.58E-05	4.83E-04	4.00E-04	9.35E-04	3.2E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	9.8E-10	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.1E-08
391	641494.56	4290466.75	641494.56, 429(	5.65432	5.65527	5.65432	5.71677	3.21E-05	3.21E-05	6.02E-04	5.02E-04	1.17E-03	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	4.2E-09	6.4E-08
392	641534.56	4290466.75	641534.56, 429(	7.24359	7.2449	7.24359	7.44657	4.11E-05	4.11E-05	7.71E-04	6.54E-04	1.51E-03	5.2E-07	1.6E-06	9.1E-07	8.3E-07	3.8E-07	1.6E-09	3.8E-08	2.0E-08	1.8E-08	5.4E-09	8.3E-08
393	641574.56	4290466.75	641574.56, 429(	9.46455	9.46631	9.46455	10.08507	5.38E-05	5.38E-05	1.01E-03	8.86E-04	2.00E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	7.2E-09	1.1E-07
394	641614.56	4290466.75	641614.56, 429(	12.50308	12.50528	12.50308	14.24858	7.10E-05	7.10E-05	1.33E-03	1.25E-03	2.73E-03	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	2.9E-09	6.9E-08	3.6E-08	3.2E-08	9.8E-09	1.5E-07
395	641654.56	4290466.75	641654.56, 429(	16.42592	16.4284	16.42592	20.67964	9.33E-05	9.33E-05	1.75E-03	1.82E-03	3.75E-03	1.3E-06	3.9E-06	2.3E-06	2.1E-06	9.4E-07	3.9E-09	9.5E-08	4.9E-08	4.4E-08	1.3E-08	2.1E-07
396	641694.56	4290466.75	641694.56, 429(	21.35113	21.35366	21.35113	30.22899	1.21E-04	1.21E-04	2.27E-03	2.66E-03	5.17E-03	1.8E-06	5.4E-06	3.1E-06	2.8E-06	1.3E-06	5.4E-09	1.3E-07	6.8E-08	6.1E-08	1.9E-08	2.8E-07
397	641734.56	4290466.75	641734.56, 429(	27.5822	27.58532	27.5822	43.1256	1.57E-04	1.57E-04	2.94E-03	3.79E-03	7.04E-03	2.4E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	7.4E-09	1.8E-07	9.2E-08	8.3E-08	2.5E-08	3.9E-07
398	641774.56	4290466.75	641774.56, 429(	33.84489	33.84353	33.84489	58.83973	1.92E-04	1.92E-04	3.60E-03	5.17E-03	9.16E-03	3.2E-06	9.6E-06	5.5E-06	5.0E-06	2.3E-06	9.6E-09	2.3E-07	1.2E-07	1.1E-07	3.3E-08	5.0E-07
399	641814.56	4290466.75	641814.56, 429(	30.98205	30.97376	30.98205	51.21839	1.76E-04	1.76E-04	3.30E-03	4.50E-03	8.15E-03	2.8E-06	8.5E-06	4.9E-06	4.5E-06	2.0E-06	8.6E-09	2.1E-07	1.1E-07	9.7E-08	2.9E-08	4.5E-07
400	641854.56	4290466.75	641854.56, 429(	22.59323	22.58567	22.59323	31.69113	1.28E-04	1.28E-04	2.41E-03	2.78E-03	5.45E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	5.7E-09	1.4E-07	7.1E-08	6.5E-08	2.0E-08	3.0E-07
401	641894.56	4290466.75	641894.56, 429(	15.58431	15.57937	15.58431	19.21263	8.85E-05	8.85E-05	1.66E-03	1.69E-03	3.52E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.8E-07	3.7E-09	8.9E-08	4.6E-08	4.2E-08	1.3E-08	1.9E-07
402	641934.56	4290466.75	641934.56, 429(	10.91341	10.91036	10.91341	12.38232	6.20E-05	6.20E-05	1.16E-03	1.09E-03	2.37E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.5E-09	6.0E-08	3.1E-08	2.8E-08	8.5E-09	1.3E-07
403	641974.56	4290466.75	641974.56, 429(	7.93983	7.9379	7.93983	8.58402	4.51E-05	4.51E-05	8.45E-04	7.54E-04	1.69E-03	5.8E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.1E-09	9.3E-08
404	642014.56	4290466.75	642014.56, 429(	5.99857	5.9973	5.99857	6.31457	3.41E-05	3.41E-05	6.39E-04	5.55E-04	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.2E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	4.5E-09	6.9E-08
405	642054.56	4290466.75	642054.56, 429(	4.68776	4.68689	4.68776	4.86286	2.66E-05	2.66E-05	4.99E-04	4.27E-04	9.80E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.4E-08
406	642094.56	4290466.75	642094.56, 429(	3.76592	3.76529	3.76592	3.87364	2.14E-05	2.14E-05	4.01E-04	3.40E-04	7.84E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.3E-09	2.8E-09	4.3E-08
407	642134.56	4290466.75	642134.56, 429(	3.09364	3.09318	3.09364	3.16499	1.76E-05	1.76E-05	3.29E-04	2.78E-04	6.43E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.8E-10	1.6E-08	8.4E-09	7.6E-09	2.3E-09	3.5E-08
408	642174.56	4290466.75	642174.56, 429(	2.59045	2.5901	2.59045	2.64011	1.47E-05	1.47E-05	2.76E-04	2.32E-04	5.37E-04	1.9E-07	5.6E-07	3.3E-07	2.9E-07	1.3E-07	5.6E-10	1.4E-08	7.0E-09	6.4E-09	1.9E-09	3.0E-08
409	642214.56	4290466.75	642214.56, 429(	2.20434	2.20407	2.20434	2.23995	1.25E-05	1.25E-05	2.35E-04	1.97E-04	4.57E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.8E-10	1.2E-08	6.0E-09	5.4E-09	1.6E-09	2.5E-08
410	642254.56	4290466.75	642254.56, 429(	1.90186	1.90165	1.90186	1.9278	1.08E-05	1.08E-05	2.03E-04	1.69E-04	3.93E-04	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	4.1E-10	1.0E-08	5.1E-09	4.7E-09	1.4E-09	2.2E-08
411	642294.56	4290466.75	642294.56, 429(	1.66198	1.66181	1.66198	1.68112	9.44E-06	9.44E-06	1.77E-04	1.48E-04	3.44E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.6E-10	8.7E-09	4.5E-09	4.1E-09	1.2E-09	1.9E-08
412	642334.56	4290466.75	642334.56, 429(	1.46642	1.46628	1.46642	1.48055	8.33E-06	8.33E-06	1.56E-04	1.30E-04	3.03E-04	1.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.2E-10	7.7E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
413	642374.56	4290466.75	642374.56, 429(	1.30467	1.30455	1.30467	1.31506	7.41E-06	7.41E-06	1.39E-04	1.16E-04	2.69E-04	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
414	642414.56	4290466.75	642414.56, 429(	1.16936	1.16926	1.16936	1.17691	6.64E-06	6.64E-06	1.25E-04	1.03E-04	2.41E-04	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.5E-10	6.1E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
415	642454.56	4290466.75	642454.56, 429(	1.05508	1.05499	1.05508	1.0605	5.99E-06	5.99E-06	1.12E-04	9.32E-05	2.18E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.3E-10	5.5E-09	2.8E-09	2.6E-09	7.8E-10	1.2E-08
416	642494.56	4290466.75	642494.56, 429(	0.95842	0.95835	0.95842	0.96225	5.44E-06	5.44E-06	1.02E-04	8.45E-05	1.97E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.1E-10	1.1E-08
417	642534.56	4290466.75	642534.56, 429(	0.87562	0.87556	0.87562	0.87824	4.97E-06	4.97E-06	9.32E-05	7.72E-05	1.80E-04	6.2E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	9.9E-09
418	642574.56	4290466.75	642574.56, 429(	0.80349	0.80343	0.80349	0.80519	4.56E-06	4.56E-06	8.56E-05	7.07E-05	1.65E-04	5.7E-08	1.7E-07	1.0E-07	9.1E-08	4.1E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.1E-09
419	642614.56	4290466.75	642614.56, 429(	0.74082	0.74078	0.74082	0.74183	4.21E-06	4.21E-06	7.89E-05	6.52E-05	1.52E-04	5.3E-08	1.6E-07	9.2E-08	8.4E-08	3.8E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.4E-09
420	641920.09	4290522.63	641920.09, 429(	12.22264	12.21875	12.22264	13.3804	6.94E-05	6.94E-05	1.30E-03	1.18E-03	2.62E-03	9.1E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	2.7E-09	6.6E-08	3.4E-08	3.1E-08	9.4E-09	1.4E-07
421	641960.09	4290522.63	641960.09, 429(	8.51149	8.50926	8.51149	9.07679	4.83E-05	4.83E-05	9.06E-04	7.97E-04	1.80E-03	6.2E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	1.9E-09	4.6E-08	2.4E-08	2.1E-08	6.5E-09	9.9E-08
422	642000.09	4290522.63	642000.09, 429(	6.28649	6.28509	6.28649	6.60877	3.57E-05	3.57E-05	6.69E-04	5.81E-04	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	4.7E-09	7.3E-08
423	642040.09	4290522.63	642040.09, 429(	4.85395	4.85302	4.85395	5.05609	2.76E-05	2.76E-05	5.17E-04	4.44E-04	1.02E-03	3.5E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.6E-09	5.6E-08
424	642080.09	4290522.63	642080.09, 429(	3.8748	3.87415	3.8748	4.00938	2.20E-05	2.20E-05	4.13E-04	3.52E-04	8.09E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	2.9E-09	4.4E-08
425	642120.09	4290522.63	642120.09, 429(	3.17163	3.17115	3.17163	3.2645	1.80E-05	1.80E-05	3.38E-04	2.87E-04	6.61E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	2.4E-09	3.6E-08
426	642160.09	4290522.63	642160.09, 429(	2.65042	2.65006	2.65042	2.7163	1.51E-05	1.51E-05	2.82E-04	2.39E-04	5.51E-04	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	2.0E-09	3.0E-08
427	642200.09	4290522.63	642200.09, 429(	2.25332	2.25304	2.25332	2.30114	1.28E-05	1.28E-05	2.40E-04	2.02E-04	4.68E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.1E-09	5.5E-09	1.7E-09	2.6E-08
428	642240.09	4290522.63	642240.09, 429(	1.94287	1.94265	1.94287	1.97819	1.10E-05	1.10E-05	2.07E-04	1.74E-04	4.03E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.2E-10	1.0E-08	5.3E-09	4.8E-09	1.4E-09	2.2E-08
429	642280.09	4290522.63	642280.09, 429(	1.69554	1.69536	1.69554	1.72202	9.63E-06	9.63E-06	1.81E-04	1.51E-04	3.51E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	3.7E-10	8.9E-09	4.6E-09	4.2E-09	1.3E-09	1.9E-08
430	642320.09	4290522.63	642320.09, 429(	1.4949	1.49475	1.4949	1.51501	8.49E-06	8.49E-06	1.59E-04	1.33E-04	3.09E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.3E-10	7.9E-09	4.0E-09	3.7E-09	1.1E-09	1.7E-08
431	642360.09	4290522.63	642360.09, 429(	1.32931	1.32919	1.32931	1.34473	7.55E-06	7.55E-06	1.42E-04	1.18E-04	2.75E-04	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
432	642400.09	4290522.63	642400.09, 429(	1.19107	1.19097	1.19107	1.20299	6.76E-06	6.76E-06	1.27E-04	1.06E-04	2.46E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.2E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.4E-08
433	642440.09	4290522.63	642440.09, 429(	1.07425	1.07417	1.07425	1.08352	6.10E-06	6.10E-06	1.14E-04	9.52E-05	2.22E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	8.0E-10	1.2E-08
434	642480.09	4290522.63	642480.09, 429(	0.97521	0.97514	0.97521	0.98247	5.54E-06	5.54E-06	1.04E-04	8.63E-05	2.01E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
435	642520.09	4290522.63	642520.09, 429(	0.89012	0.89005	0.89012	0.89583	5.06E-06	5.05E-06	9.48E-05	7.87E-05	1.84E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
436	642560.09	4290522.63	642560.09, 429(	0.81644	0.81639	0.81644	0.82095	4.64E-06	4.64E-06	8.69E-05	7.21E-05	1.68E-04	5.8E-08	1.8E-07	1.0E-07	9.2E-08	4.2E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
437	642600.09	4290522.63	642600.09, 429(	0.75216	0.75211	0.75216	0.75572	4.27E-06	4.27E-06	8.01E-05	6.64E-05	1.55E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.6E-10	8.5E-09
438	641920.09	4290562.63	641920.09, 429(	11.63819	11.63454	11.63819	12.83358	6.61E-05	6.61E-05	1.24E-03	1.13E-03	2.50E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.6E-09	6.3E-08	3.3E-08	3.0E-08	9.0E-09	1.4E-07
439	641960.09	4290562.63	641960.09, 429(	8.14972	8.14762	8.14972	8.79413	4.63E-05	4.63E-05	8.68E-04	7.73E-04	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	1.8E-09	4.4E-08	2.3E-08	2.1E-08	6.2E-09	9.5E-08
440	642000.09	4290562.63	642000.09, 429(	6.05914	6.05782	6.05914	6.44384	3.44E-05	3.44E-05	6.45E-04	5.66E-04	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	4.6E-09	7.0E-08
441	642040.09	4290562.63	642040.09, 429(	4.70311	4.70222	4.70311	4.94941	2.67E-05	2.67E-05	5.01E-04	4.35E-04	9.89E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.4E-08
442	642080.09	4290562.63	642080.09, 429(	3.76965	3.76902	3.76965	3.93547	2.14E-05	2.14E-05	4.01E-04	3.46E-04	7.90E-04	2.7E-07	8.3E-07	4.8E-07	4.3E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.4E-09	2.8E-09	4.3E-08
443	642120.09	4290562.63	642120.09, 429(	3.09804	3.09758	3.09804	3.21401	1.76E-05	1.76E-05	3.30E-04	2.82E-04	6.47E-04	2.2E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	6.8E-10	1.6E-08	8.5E-09	7.7E-09	2.3E-09	3.6E-08
444	642160.09	4290562.63	642160.09, 429(	2.59683	2.59648	2.59683	2.68032	1.47E-05	1.47E-05	2.77E-04	2.35E-04	5.42E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.4E-09	1.9E-09	3.0E-08
445	642200.09	4290562.63	642200.09, 429(	2.21467	2.21439	2.21467	2.27644	1.26E-05	1.26E-05	2.36E-04	2.00E-04	4.61E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	4.8E-10	1.2E-08	6.0E-09	5.5E-09	1.7E-09	2.5E-08
446	642240.09	4290562.63	642240.09, 429(	1.91365	1.91344	1.91365	1.96022	1.09E-05	1.09E-05	2.04E-04	1.72E-04	3.98E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.2E-10	1.0E-08	5.2E-09	4.7E-09	1.4E-09	2.2E-08
447	642280.09	4290562.63	642280.09, 429(	1.67272	1.67255	1.67272	1.70843	9.50E-06	9.50E-06	1.78E-04	1.50E-04	3.47E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	3.6E-10	8.8E-09	4.5E-09	4.1E-09	1.2E-09	1.9E-08
448	642320.09	4290562.63	642320.09, 429(	1.47666	1.47652	1.47666	1.50446	8.39E-06	8.39E-06	1.57E-04	1.32E-04	3.06E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.2E-10	7.8E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
449	642360.09	4290562.63	642360.09, 429(	1.31477	1.31465	1.31477	1.3367	7.47E-06	7.47E-06	1.40E-04	1.17E-04	2.72E-04	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.9E-10	6.9E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
450	642400.09	4290562.63	642400.09, 429(	1.17942	1.17932	1.17942	1.19691	6.70E-06	6.70E-06	1.26E-04	1.05E-04	2.44E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.3E-08
451	642440.09	4290562.63	642440.09, 429(	1.06499	1.0649	1.06499	1.07907	6.05E-06	6.05E-06	1.13E-04	9.48E-05	2.20E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
452	642480.09	4290562.63	642480.09, 429(	0.9674	0.96733	0.9674	0.97883	5.49E-06	5.49E-06	1.03E-04	8.60E-05	2.00E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
453	642520.09	4290562.63	642520.09, 429(	0.88339	0.88332	0.88339	0.89273	5.02E-06	5.02E-06	9.41E-05	7.84E-05	1.83E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
454	642560.09	4290562.63	642560.09, 429(	0.8104	0.81034	0.8104	0.81808	4.60E-06	4.60E-06	8.63E-05	7.19E-05	1.67E-04	5.8E-08	1.7E-07	1.0E-07	9.2E-08	4.2E-08	1.8E-10	4.2E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
455	642600.09	4290562.63	642600.09, 429(	0.74647	0.74642	0.74647	0.75283	4.24E-06	4.24E-06	7.95E-05	6.61E-05	1.54E-04	5.3E-08	1.6E-07	9.3E-08	8.5E-08	3.9E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.5E-09
456	641920.09	4290602.63	641920.09, 429(	11.12075	11.11734	11.12075	12.3343	6.32E-05	6.31E-05	1.18E-03	1.08E-03	2.39E-03	8.3E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.5E-09	6.1E-08	3.1E-08	2.8E-08	8.6E-09	1.3E-07
457	641960.09	4290602.63	641960.09, 429(	7.86737	7.86539	7.86737	8.55732	4.47E-05	4.47E-05	8.38E-04	7.52E-04	1.68E-03	5.8E-07	1.8E-06	1.0E-06	9.2E-07	4.2E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.0E-09	9.2E-08
458	642000.09	4290602.63	642000.09, 429(	5.88957	5.88831	5.88957	6.31709	3.34E-05	3.34E-05	6.27E-04	5.55E-04	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	4.5E-09	6.9E-08
459	642040.09	4290602.63	642040.09, 429(	4.59303	4.59217	4.59303	4.87478	2.61E-05	2.61E-05	4.89E-04	4.28E-04	9.70E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.1E-08	3.5E-09	5.3E-08
460	642080.09	4290602.63	642080.09, 429(	3.6944	3.69379	3.6944	3.88889	2.10E-05	2.10E-05	3.93E-04	3.42E-04	7.77E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	8.2E-10	2.0E-08	1.0E-08	9.2E-09	2.8E-09	4.3E-08
461	642120.09	4290602.63	642120.09, 429(	3.04449	3.04404	3.04449	3.18358	1.73E-05	1.73E-05	3.24E-04	2.80E-04	6.38E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.6E-09	2.3E-09	3.5E-08
462	642160.09	4290602.63	642160.09, 429(	2.55798	2.55764	2.55798	2.66033	1.45E-05	1.45E-05	2.72E-04	2.34E-04	5.35E-04	1.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.4E-08	7.0E-09	6.3E-09	1.9E-09	2.9E-08
463	642200.09	4290602.63	642200.09, 429(	2.18553	2.18526	2.18553	2.26274	1.24E-05	1.24E-05	2.33E-04	1.99E-04	4.56E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.8E-10	1.2E-08	6.0E-09	5.4E-09	1.6E-09	2.5E-08
464	642240.09	4290602.63	642240.09, 429(	1.89124	1.89103	1.89124	1.95056	1.07E-05	1.07E-05	2.01E-04	1.71E-04	3.94E-04	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	4.1E-10	1.0E-08	5.2E-09	4.7E-09	1.4E-09	2.2E-08
465	642280.09	4290602.63	642280.09, 429(	1.6551	1.65493	1.6551	1.70144	9.40E-06	9.40E-06	1.76E-04	1.49E-04	3.45E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.6E-10	8.7E-09	4.5E-09	4.1E-09	1.2E-09	1.9E-08
466	642320.09	4290602.63	642320.09, 429(	1.46268	1.46254	1.46268	1.4994	8.31E-06	8.31E-06	1.56E-04	1.32E-04	3.04E-04	1.1E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.2E-10	7.7E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
467	642360.09	4290602.63	642360.09, 429(	1.30357	1.30345	1.30357	1.33304	7.40E-06	7.40E-06	1.39E-04	1.17E-04	2.71E-04	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.8E-10	6.9E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
468	642400.09	4290602.63	642400.09, 429(	1.17035	1.17025	1.17035	1.19426	6.65E-06	6.65E-06	1.25E-04	1.05E-04	2.43E-04	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
469	642440.09	4290602.63	642440.09, 429(	1.05762	1.05753	1.05762	1.0772	6.01E-06	6.01E-06	1.13E-04	9.46E-05	2.19E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08

470	642480.09	4290602.63	642480.09, 4290	0.96127	0.9612	0.96127	0.97745	5.46E-06	5.46E-06	1.02E-04	8.59E-05	1.99E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.1E-10	1.1E-08
471	642520.09	4290602.63	642520.09, 4290	0.87823	0.87816	0.87823	0.89168	4.99E-06	4.99E-06	9.35E-05	7.83E-05	1.82E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.5E-10	1.0E-08
472	642560.09	4290602.63	642560.09, 4290	0.80603	0.80598	0.80603	0.8173	4.58E-06	4.58E-06	8.58E-05	7.18E-05	1.67E-04	5.8E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.8E-10	4.2E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
473	642600.09	4290602.63	642600.09, 4290	0.74239	0.74234	0.74239	0.75186	4.22E-06	4.22E-06	7.91E-05	6.61E-05	1.54E-04	5.3E-08	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.4E-09
474	641920.09	4290642.63	641920.09, 4290	10.62964	10.62653	10.62964	11.35148	6.04E-05	6.04E-05	1.13E-03	9.97E-04	2.25E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.6E-07	2.4E-09	5.7E-08	2.9E-08	2.7E-08	8.1E-09	1.2E-07
475	641960.09	4290642.63	641960.09, 4290	7.59889	7.59704	7.59889	8.08807	4.32E-05	4.31E-05	8.09E-04	7.11E-04	1.61E-03	5.6E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	5.8E-09	8.8E-08
476	642000.09	4290642.63	642000.09, 4290	5.72833	5.72714	5.72833	6.07088	3.25E-05	3.25E-05	6.10E-04	5.33E-04	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
477	642040.09	4290642.63	642040.09, 4290	4.48965	4.48884	4.48965	4.73637	2.55E-05	2.55E-05	4.78E-04	4.16E-04	9.45E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	9.9E-10	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
478	642080.09	4290642.63	642080.09, 4290	3.62481	3.62422	3.62481	3.80692	2.06E-05	2.06E-05	3.86E-04	3.34E-04	7.62E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	1.0E-08	9.0E-09	2.7E-09	4.2E-08
479	642120.09	4290642.63	642120.09, 4290	2.99548	2.99504	2.99548	3.1327	1.70E-05	1.70E-05	3.19E-04	2.75E-04	6.28E-04	2.2E-07	6.6E-07	3.8E-07	3.4E-07	1.6E-07	6.6E-10	1.6E-08	8.2E-09	7.4E-09	2.3E-09	3.5E-08
480	642160.09	4290642.63	642160.09, 4290	2.52276	2.52242	2.52276	2.62811	1.43E-05	1.43E-05	2.69E-04	2.31E-04	5.28E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.3E-08	6.9E-09	6.3E-09	1.9E-09	2.9E-08
481	642200.09	4290642.63	642200.09, 4290	2.15918	2.15892	2.15918	2.24148	1.23E-05	1.23E-05	2.30E-04	1.97E-04	4.51E-04	1.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.7E-10	1.1E-08	5.9E-09	5.3E-09	1.6E-09	2.5E-08
482	642240.09	4290642.63	642240.09, 4290	1.87107	1.87086	1.87107	1.93618	1.06E-05	1.06E-05	1.99E-04	1.70E-04	3.91E-04	1.4E-07	4.1E-07	2.4E-07	2.1E-07	9.8E-08	4.1E-10	9.9E-09	5.1E-09	4.6E-09	1.4E-09	2.1E-08
483	642280.09	4290642.63	642280.09, 4290	1.63948	1.63931	1.63948	1.69166	9.31E-06	9.31E-06	1.75E-04	1.49E-04	3.42E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.6E-10	8.7E-09	4.5E-09	4.0E-09	1.2E-09	1.9E-08
484	642320.09	4290642.63	642320.09, 4290	1.45035	1.45021	1.45035	1.49265	8.24E-06	8.24E-06	1.54E-04	1.31E-04	3.02E-04	1.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.2E-10	7.7E-09	3.9E-09	3.6E-09	1.1E-09	1.7E-08
485	642360.09	4290642.63	642360.09, 4290	1.29371	1.29359	1.29371	1.32835	7.35E-06	7.35E-06	1.38E-04	1.17E-04	2.69E-04	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
486	642400.09	4290642.63	642400.09, 4290	1.16238	1.16228	1.16238	1.191	6.60E-06	6.60E-06	1.24E-04	1.05E-04	2.42E-04	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.5E-10	6.1E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
487	642440.09	4290642.63	642440.09, 4290	1.05109	1.05101	1.05109	1.07493	5.97E-06	5.97E-06	1.12E-04	9.44E-05	2.18E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.3E-10	5.5E-09	2.9E-09	2.6E-09	7.8E-10	1.2E-08
488	642480.09	4290642.63	642480.09, 4290	0.9559	0.95583	0.9559	0.97589	5.43E-06	5.43E-06	1.02E-04	8.57E-05	1.98E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.1E-10	5.0E-09	2.6E-09	2.4E-09	7.1E-10	1.1E-08
489	642520.09	4290642.63	642520.09, 4290	0.87374	0.87368	0.87374	0.89061	4.96E-06	4.96E-06	9.30E-05	7.82E-05	1.81E-04	6.3E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	1.0E-08
490	642560.09	4290642.63	642560.09, 4290	0.80227	0.80221	0.80227	0.81658	4.56E-06	4.56E-06	8.54E-05	7.17E-05	1.66E-04	5.8E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	6.0E-10	9.1E-09
491	642600.09	4290642.63	642600.09, 4290	0.73938	0.73933	0.73938	0.75157	4.20E-06	4.20E-06	7.87E-05	6.60E-05	1.53E-04	5.3E-08	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.4E-09
492	641920.09	4290682.63	641920.09, 4290	9.8921	9.88948	9.8921	10.05128	5.62E-05	5.62E-05	1.05E-03	8.83E-04	2.05E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.2E-09	5.2E-08	2.7E-08	2.4E-08	7.4E-09	1.1E-07
493	641960.09	4290682.63	641960.09, 4290	7.20467	7.20305	7.20467	7.37633	4.09E-05	4.09E-05	7.67E-04	6.48E-04	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.7E-07	1.6E-09	3.8E-08	2.0E-08	1.8E-08	5.4E-09	8.2E-08
494	642000.09	4290682.63	642000.09, 4290	5.49677	5.49569	5.49677	5.66051	3.12E-05	3.12E-05	5.85E-04	4.97E-04	1.15E-03	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	4.1E-09	6.3E-08
495	642040.09	4290682.63	642040.09, 4290	4.3445	4.34375	4.3445	4.48963	2.47E-05	2.47E-05	4.63E-04	3.94E-04	9.06E-04	3.1E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.5E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.0E-08
496	642080.09	4290682.63	642080.09, 4290	3.52916	3.52861	3.52916	3.65284	2.00E-05	2.00E-05	3.76E-04	3.21E-04	7.37E-04	2.6E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	2.6E-09	4.0E-08
497	642120.09	4290682.63	642120.09, 4290	2.93005	2.92964	2.93005	3.03345	1.66E-05	1.66E-05	3.12E-04	2.67E-04	6.12E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.4E-10	1.6E-08	8.0E-09	7.2E-09	2.2E-09	3.4E-08
498	642160.09	4290682.63	642160.09, 4290	2.47685	2.47653	2.47685	2.56271	1.41E-05	1.41E-05	2.64E-04	2.25E-04	5.17E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.8E-09	6.1E-09	1.9E-09	2.8E-08
499	642200.09	4290682.63	642200.09, 4290	2.12584	2.12559	2.12584	2.19714	1.21E-05	1.21E-05	2.26E-04	1.93E-04	4.44E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.7E-10	1.1E-08	5.8E-09	5.3E-09	1.6E-09	2.4E-08
500	642240.09	4290682.63	642240.09, 4290	1.84623	1.84603	1.84623	1.90548	1.05E-05	1.05E-05	1.97E-04	1.67E-04	3.85E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	4.0E-10	9.8E-09	5.0E-09	4.6E-09	1.4E-09	2.1E-08
501	642280.09	4290682.63	642280.09, 4290	1.62069	1.62052	1.62069	1.67014	9.20E-06	9.20E-06	1.73E-04	1.47E-04	3.38E-04	1.2E-07	3.5E-07	2.0E-07	1.9E-07	8.5E-08	3.5E-10	8.6E-09	4.4E-09	4.0E-09	1.2E-09	1.9E-08
502	642320.09	4290682.63	642320.09, 4290	1.43589	1.43575	1.43589	1.47738	8.15E-06	8.15E-06	1.53E-04	1.30E-04	2.99E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.1E-10	7.6E-09	3.9E-09	3.5E-09	1.1E-09	1.6E-08
503	642360.09	4290682.63	642360.09, 4290	1.28243	1.28231	1.28243	1.31743	7.28E-06	7.28E-06	1.37E-04	1.16E-04	2.67E-04	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.6E-10	1.5E-08
504	642400.09	4290682.63	642400.09, 4290	1.15345	1.15335	1.15345	1.18313	6.55E-06	6.55E-06	1.23E-04	1.04E-04	2.40E-04	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.5E-10	6.1E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
505	642440.09	4290682.63	642440.09, 4290	1.04394	1.04385	1.04394	1.06922	5.93E-06	5.93E-06	1.11E-04	9.39E-05	2.17E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.3E-10	5.5E-09	2.8E-09	2.6E-09	7.8E-10	1.2E-08
506	642480.09	4290682.63	642480.09, 4290	0.95009	0.95002	0.95009	0.97174	5.40E-06	5.40E-06	1.01E-04	8.54E-05	1.97E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.1E-10	1.1E-08
507	642520.09	4290682.63	642520.09, 4290	0.86901	0.86894	0.86901	0.88761	4.94E-06	4.93E-06	9.25E-05	7.80E-05	1.80E-04	6.2E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	9.9E-09
508	642560.09	4290682.63	642560.09, 4290	0.79838	0.79832	0.79838	0.81443	4.53E-06	4.53E-06	8.50E-05	7.16E-05	1.66E-04	5.7E-08	1.7E-07	1.0E-07	9.1E-08	4.1E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.1E-09
509	642600.09	4290682.63	642600.09, 4290	0.73625	0.7362	0.73625	0.75014	4.18E-06	4.18E-06	7.84E-05	6.59E-05	1.53E-04	5.3E-08	1.6E-07	9.2E-08	8.4E-08	3.8E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.4E-09
510	641920.09	4290722.63	641920.09, 4290	8.90904	8.90695	8.90904	8.84672	5.06E-05	5.06E-05	9.49E-04	7.77E-04	1.83E-03	6.3E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	1.9E-09	4.6E-08	2.4E-08	2.2E-08	6.6E-09	1.0E-07
511	641960.09	4290722.63	641960.09, 4290	6.65865	6.6573	6.65865	6.64127	3.78E-05	3.78E-05	7.09E-04	5.84E-04	1.37E-03	4.7E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	4.9E-09	7.5E-08
512	642000.09	4290722.63	642000.09, 4290	5.17157	5.17064	5.17157	5.18697	2.94E-05	2.94E-05	5.51E-04	4.56E-04	1.07E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.8E-09	5.9E-08
513	642040.09	4290722.63	642040.09, 4290	4.1386	4.13794	4.1386	4.17641	2.35E-05	2.35E-05	4.41E-04	3.67E-04	8.55E-04	3.0E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.7E-08
514	642080.09	4290722.63	642080.09, 4290	3.39247	3.39198	3.39247	3.44207	1.93E-05	1.93E-05	3.61E-04	3.02E-04	7.02E-04	2.4E-07	7.3E-07	4.2E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.2E-09	8.3E-09	2.5E-09	3.9E-08
515	642120.09	4290722.63	642120.09, 4290	2.83586	2.83549	2.83586	2.88918	1.61E-05	1.61E-05	3.02E-04	2.54E-04	5.88E-04	2.0E-07	6.1E-07	3.6E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	7.0E-09	2.1E-09	3.2E-08
516	642160.09	4290722.63	642160.09, 4290	2.41051	2.41022	2.41051	2.46267	1.37E-05	1.37E-05	2.57E-04	2.16E-04	5.00E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	5.3E-10	1.3E-08	6.5E-09	5.9E-09	1.8E-09	2.7E-08
517	642200.09	4290722.63	642200.09, 4290	2.07782	2.07758	2.07782	2.12637	1.18E-05	1.18E-05	2.21E-04	1.87E-04	4.32E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	4.5E-10	1.1E-08	5.6E-09	5.1E-09	1.5E-09	2.4E-08
518	642240.09	4290722.63	642240.09, 4290	1.81084	1.81065	1.81084	1.85474	1.03E-05	1.03E-05	1.93E-04	1.63E-04	3.76E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.0E-10	9.6E-09	4.9E-09	4.5E-09	1.4E-09	2.1E-08
519	642280.09	4290722.63	642280.09, 4290	1.59407	1.59391	1.59407	1.63319	9.05E-06	9.05E-06	1.70E-04	1.43E-04	3.31E-04	1.1E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.5E-10	8.4E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
520	642320.09	4290722.63	642320.09, 4290	1.41559	1.41546	1.41559	1.45018	8.04E-06	8.04E-06	1.51E-04	1.27E-04	2.94E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	3.1E-10	7.5E-09	3.8E-09	3.5E-09	1.1E-09	1.6E-08
521	642360.09	4290722.63	642360.09, 4290	1.26671	1.26661	1.26671	1.29718	7.19E-06	7.19E-06	1.35E-04	1.14E-04	2.63E-04	9.1E-08	2.8E-07	1.6E-07	1.4E-07	6.6E-08	2.8E-10	6.7E-09	3.4E-09	3.1E-09	9.4E-10	1.4E-08
522	642400.09	4290722.63	642400.09, 4290	1.14114	1.14105	1.14114	1.16794	6.48E-06	6.48E-06	1.22E-04	1.03E-04	2.37E-04	8.2E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
523	642440.09	4290722.63	642440.09, 4290	1.03421	1.03413	1.03421	1.05777	5.87E-06	5.87E-06	1.10E-04	9.29E-05	2.15E-04	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.4E-08	2.3E-10	5.5E-09	2.8E-09	2.5E-09	7.7E-10	1.2E-08
524	642480.09	4290722.63	642480.09, 4290	0.94232	0.94225	0.94232	0.96305	5.35E-06	5.35E-06	1.00E-04	8.46E-05	1.96E-04	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.0E-10	1.1E-08
525	642520.09	4290722.63	642520.09, 4290	0.86272	0.86266	0.86272	0.88098	4.90E-06	4.90E-06	9.19E-05	7.74E-05	1.79E-04	6.2E-08	1.9E-07	1.1E-07	9.8E-08	4.5E-08	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.8E-09
526	642560.09	4290722.63	642560.09, 4290	0.79327	0.79322	0.79327	0.80937	4.51E-06	4.50E-06	8.45E-05	7.11E-05	1.65E-04	5.7E-08	1.7E-07	1.0E-07	9.0E-08	4.1E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.0E-09
527	642600.09	4290722.63	642600.09, 4290	0.73213	0.73208	0.73213	0.74635	4.16E-06	4.16E-06	7.80E-05	6.56E-05	1.52E-04	5.3E-08	1.6E-07	9.2E-08	8.3E-08	3.8E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.4E-10	8.3E-09
528	641920.09	4290762.63	641920.09, 4290	7.94488	7.94316	7.94488	7.81866	4.51E-05	4.51E-05	8.46E-04	6.87E-04	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	5.8E-09	8.9E-08
529	641960.09	4290762.63	641960.09, 4290	6.06155	6.06042	6.06155	5.98912	3.44E-05	3.44E-05	6.45E-04	5.26E-04	1.24E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	4.5E-09	6.8E-08
530	642000.09	4290762.63	642000.09, 4290	4.78742	4.78663	4.78742	4.74412	2.72E-05	2.72E-05	5.10E-04	4.17E-04	9.81E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.4E-08
531	642040.09	4290762.63	642040.09, 4290	3.88443	3.88385	3.88443	3.86148	2.21E-05	2.21E-05	4.14E-04	3.39E-04	7.97E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.4E-09	2.9E-09	4.4E-08
532	642080.09	4290762.63	642080.09, 4290	3.21889	3.21846	3.21889	3.21319	1.83E-05	1.83E-05	3.43E-04	2.82E-04	6.62E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.0E-10	1.7E-08	8.6E-09	7.8E-09	2.4E-09	3.6E-08
533	642120.09	4290762.63	642120.09, 4290	2.71406	2.71372	2.71406	2.72176	1.54E-05	1.54E-05	2.89E-04	2.39E-04	5.59E-04	1.9E-07	5.8E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.3E-09	6.6E-09	2.0E-09	3.1E-08
534	642160.09	4290762.63	642160.09, 4290	2.32292	2.32266	2.32292	2.33959	1.32E-05	1.32E-05	2.47E-04	2.06E-04	4.79E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.0E-10	1.2E-08	6.3E-09	5.7E-09	1.7E-09	2.6E-08
535	642200.09	4290762.63	642200.09, 4290	2.01323	2.01301	2.01323	2.03498	1.14E-05	1.14E-05	2.14E-04	1.79E-04	4.16E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.4E-10	1.1E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
536	642240.09	4290762.63	642240.09, 4290	1.76256	1.76238	1.76256	1.78659	1.00E-05	1.00E-05	1.88E-04	1.57E-04	3.65E-04	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	3.8E-10	9.3E-09	4.8E-09	4.3E-09	1.3E-09	2.0E-08
537	642280.09	4290762.63	642280.09, 4290	1.55746	1.55732	1.55746	1.58192	8.85E-06	8.84E-06	1.66E-04	1.39E-04	3.23E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.4E-10	8.2E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
538	642320.09	4290762.63	642320.09, 4290	1.38747	1.38734	1.38747	1.41125	7.88E-06	7.88E-06	1.48E-04	1.24E-04	2.87E-04	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.0E-10	7.3E-09	3.8E-09	3.4E-09	1.0E-09	1.6E-08
539	642360.09	4290762.63	642360.09, 4290	1.24484	1.24474	1.24484	1.26736	7.07E-06	7.07E-06	1.33E-04	1.11E-04	2.58E-04	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.7E-10	6.6E-09	3.4E-09	3.1E-09	9.3E-10	1.4E-08
540	642400.09	4290762.63	642400.09, 4290	1.12396	1.12387	1.12396	1.14492	6.38E-06	6.38E-06	1.20E-04	1.01E-04	2.33E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.4E-10	5.9E-09	3.0E-09	2.8E-09	8.4E-10	1.3E-08
541	642440.09	4290762.63	642440.09, 4290	1.02055	1.02048	1.02055	1.03986	5.80E-06	5.80E-06	1.09E-04	9.14E-05	2.12E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
542	642480.09	4290762.63	642480.09, 4290	0.93134	0.93128	0.93134	0.949	5.29E-06	5.29E-06	9.92E-05	8.34E-05	1.93E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.0E-10	4.9E-09	2.5E-09	2.3E-09	6.9E-10	1.1E-08
543	642520.09	4290762.63	642520.09, 4290	0.85386	0.8538	0.85386	0.86993	4.85E-06	4.85E-06	9.09E-05	7.64E-05	1.77E-04	6.1E-08	1.9E-07	1.1E-07	9.7E-08	4.4E-08	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.7E-09
544	642560.09	4290762.63	642560.09, 4290	0.78606	0.78601	0.78606	0.80064	4.46E-06	4.46E-06	8.37E-05	7.03E-05	1.63E-04	5.6E-08	1.7E-07	9.9E-08	8.9E-08	4.1E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	9.0E-09
545	642600.09	4290762.63	642600.09, 4290	0.72628	0.72624	0.72628	0.73949	4.12E-06	4.12E-06	7.73E-05	6.50E-05	1.51E-04	5.2E-08	1.6E-07	9.1E-08	8.3E-08	3.8E-08	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.3E-09
546	641920.09	4290802.63	641920.09, 4290	7.09017	7.08876	7.09017	6.93636	4.03E-05	4.03E-05	7.55E-04	6.09E-04	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.2E-09	7.9E-08
547	641960.09	4290802.63	641960.09, 4290	5.5066	5.50564	5.5066	5.41597	3.13E-05	3.13E-05	5.86E-04	4.76E-04	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	4.0E-09	6.2E-08
548	642000.09	4290802.63	642000.09, 4290	4.40993	4.40925	4.40993	4.35179	2.50E-05	2.50E-05	4.70E-04	3.82E-04	9.02E-04	3.1E-07	9.4E-07	5.5E-07	4.9E-07	2.3E-07	9.5E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	5.0E-08
549	642040.09	4290802.63	642040.09, 4290	3.61842	3.61791	3.61842	3.57734	2.05E-05	2.05E-05	3.85E-04	3.14E-04	7.41E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	2.7E-09	4.1E-08
550	642080.09	4290802.63	642080.09, 4290	3.02805	3.02766	3.02805	2.99851	1.72E-05	1.72E-05	3.22E-04	2.63E-04	6.20E-04	2.1E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.5E-10	1.6E-08	8.1E-09	7.3E-09	2.2E-09	3.4E-08
551	642120.09	4290802.63	642120.09, 4290	2.5748	2.5745	2.5748	2.55561	1.46E-05	1.46E-05	2.74E-04	2.25E-04	5.28E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.5E-10	1.3E-08	6.9E-09	6.3E-09	1.9E-09	2.9E-08
552	642160.09	4290802.63	642160.09, 4290	2.21972	2.21948	2.21972	2.21014	1.26E-05	1.26E-05	2.36E-04	1.94E-04	4.56E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.8E-10	1.2E-08	6.0E-09	5.4E-09	1.6E-09	2.5E-08
553	642200.09	4290802.63	642200.09, 4290	1.93533	1.93513	1.93533	1.93382	1.10E-05	1.10E-05	2.06E-04	1.70E-04	3.98E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.2E-10	1.0E-08	5.2E-09	4.7E-09	1.4E-09	2.2E-08
554	642240.09	4290802.63	642240.09, 4290	1.70315	1.70299	1.70315	1.70775	9.67E-06	9.67E-06	1.81E-04	1.50E-04	3.51E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	3.7E-10	8.9E-09	4.6E-09	4.2E-09	1.3E-09	1.9E-08
555	642280.09	4290802.63	642280.09, 4290	1.51159	1.51146	1.51159	1.52037	8.58E-06	8.58E-06	1.61E-04	1.34E-04	3.12E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.8E-08	3.3E-10	7.9E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
556	642320.09	4290802.63	642320.09, 4290	1.35165	1.35153	1.35165	1.36304	7.68E-06	7.68E-06	1.44E-04	1.20E-04	2.79E-04	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	2.9E-10	7.1E-09	3.6E-09	3.3E-09	1.0E-09	1.5E-08
557	642360.09	4290802.63	642360.09, 4290	1.21658	1.21649	1.21658	1.22941	6.91E-06	6.91E-06	1.30E-04	1.08E-04	2.51E-04	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.6E-10	6.4E-09	3.3E-09	3.0E-09	9.0E-10	1.4E-08
558	642400.09	4290802.63	642400.09, 4290	1.10147	1.10138	1.10147	1.11488	6.26E-06	6.25E-06	1.17E-04	9.80E-05	2.28E-04	7.9E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.4E-10	5.8E-09	3.0E-09	2.7E-09	8.2E-10	1.3E-08
559	642440.09	4290802.63	642440.09, 4290	1.00249	1.00242	1.00249	1.01593	5.69E-06	5.69E-06	1.07E-04	8.93E-05	2.07E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.4E-10	1.1E-08
560	642480.09	4290802.63	642480.09, 4290	0.91676	0.9167	0.91676	0.92986	5.21E-06	5.21E-06	9.76E-05	8.17E-05	1.90E-04	6.6E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.0E-10	4.8E-09	2.5E-09	2.2E-09	6.8E-10	1.0E-08
561	642520.09	4290802.63	642520.09, 4290	0.84199	0.84193	0.84199	0.85453	4.78E-06	4.78E-06	8.97E-05	7.51E-05	1.74E-04	6.0E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
562	642560.09	4290802.63	642560.09, 4290	0.77633	0.77628	0.77633	0.7882	4.41E-06	4.41E-06	8.27E-05	6.93E-05	1.61E-04	5.6E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.8E-09
563	642600.09	4290802.63	642600.09, 4290	0.71828	0.71824	0.71828	0.72942	4.08E-06	4.08E-06	7.65E-05	6.41E-05	1.49E-04	5.1E-08	1.6E-07	9.0E-08	8.2E-08	3.7E-08	1.6E-10	3.8E-09	1.9E-09	1.8E-09	5.3E-10	8.2E-09
564	641920.09	4290842.63	641920.09, 4290	6.3532	6.35203	6.3532	6.18313	3.61E-05	3.61E-05	6.77E-04	5.43E-04	1.29E-03	4.5E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.6E-09	7.1E-08
565	641960.09	4290842.63	641960.09, 4290	5.01605	5.01523	5.01605	4.91377	2.85E-05	2.85E-05	5.34E-04	4.32E-04	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.7E-09	5.6E-08
566	642000.09	4290842.63	642000.09, 4290	4.0655	4.06491	4.0655	4.00115	2.31E-05	2.31E-05	4.33E-04	3.52E-04	8.31E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	3.0E-09	4.6E-08
567	642040.09	4290842.63	642040.09, 4290	3.36907	3.36863	3.36907	3.32453	1.91E-05	1.91E-05	3.59E-04	2.92E-04	6.89E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	7.2E-10	1.7E-08	9.0E-09	8.2E-09	2.5E-09	3.8E-08
568	642080.09	4290842.63	642080.09, 4290	2.84165	2.84131	2.84165	2.80719	1.61E-05	1.61E-05	3.03E-04	2.47E-04	5.82E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	2.1E-09	3.2E-08
569	642120.09	4290842.63	642120.09, 4290	2.43215	2.43188	2.43215	2.40415	1.38E-05	1.38E-05	2.59E-04	2.11E-04	4.98E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.2E-10	1.3E-08	6.5E-09	5.9E-09	1.8E-09	2.7E-08
570	642160.09	4290842.63	642160.09, 4290	2.11017	2.10995	2.11017	2.08802	1.20E-05	1.20E-05	2.25E-04	1.83E-04	4.32E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	4.5E-10	1.1E-08	5.6E-09	5.1E-09	1.6E-09	2.4E-08
571	642200.09	4290842.63	642200.09, 4290	1.85016	1.84998	1.85016	1.83415	1.05E-05	1.05E-05	1.97E-04	1.61E-04	3.79E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	4.0E-10	9.6E-09	5.0E-09	4.5E-09	1.4E-09	2.1E-08
572	642240.09	4290842.63	642240.09, 4290	1.63644	1.63629	1.63644	1.62644	9.29E-06	9.29E-06	1.74E-04	1.43E-04	3.36E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.5E-10	8.5E-09	4.4E-09	4.0E-09	1.2E-09	1.8E-08
573	642280.09	4290842.63	642280.09, 4290	1.45891	1.45879	1.45891	1.45424	8.29E-06	8.28E-06	1.55E-04	1.28E-04	3.00E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.1E-10	7.6E-09	3.9E-09	3.6E-09	1.1E-09	1.6E-08
574	642320.09	4290842.63	642320.09, 4290	1.30969	1.30958	1.30969	1.30933	7.44E-06	7.44E-06	1.39E-04	1.15E-04	2.69E-04	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
575	642360.09	4290842.63	642360.09, 4290	1.18293	1.18284	1.18293	1.18584	6.72E-06	6.72E-06	1.26E-04	1.04E-04	2.44E-04	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
576	642400.09	4290842.63	642400.09, 4290	1.07428	1.0742	1.07428	1.07951	6.10E-06	6.10E-06	1.14E-04	9.48E-05	2.21E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
577	642440.09	4290842.63	642440.09, 4290	0.98039	0.98032	0.98039	0.98716	5.57E-06	5.57E-06	1.04E-04	8.67E-05	2.02E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.3E-10	1.1E-08
578	642480.09	4290842.63	642480.09, 4290	0.89868	0.89862	0.89868	0.90638	5.10E-06	5.10E-06	9.57E-05	7.96E-05	1.86E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
579	642520.09	4290842.63	642520.09, 4290	0.8271	0.82705	0.8271	0.8353	4.70E-06	4.70E-06	8.81E-05	7.34E-05	1.71E-04	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.4E-09
580	642560.09	4290842.63	642560.09, 4290	0.76398	0.76394	0.76398	0.77235	4.34E-06	4.34E-06	8.14E-05	6.79E-05	1.58E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.7E-10	4.0E-09	2.1E-09	1.9E-09	5.7E-10	8.7E-09
581	642600.09	4290842.63	642600.09, 4290	0.70809	0.70805	0.70809	0.71641	4.02E-06	4.02E-06	7.54E-05	6.29E-05	1.46E-04	5.1E-08	1.5E-07	8.9E-08	8.0E-08	3.7E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.0E-09
582	641920.09	4290882.63	641920.09, 4290	5.69839	5.69742	5.69839	5.52706	3.24E-05	3.24E-05	6.07E-04	4.86E-04	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	4.2E-09	6.4E-08
583	641960.09	4290882.63	641960.09, 4290	4.57402	4.57332	4.57402	4.46553	2.60E-05	2.60E-05	4.87E-04	3.92E-04	9.31E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.8E-10	2.4E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
584	642000.09	4290882.63	642000.09, 4290	3.75504	3.75452	3.75504	3.68395	2.13E-05	2.13E-05	4.00E-04	3.24E-04	7.66E-04	2.7E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.1E-10	1.9E-08	1.0E-08	9.1E-09	2.7E-09	4.2E-08
585	642040.09	4290882.63	642040.09, 4290	3.14044	3.14005	3.14044	3.09328	1.78E-05	1.78E-05	3.34E-04	2.72E-04	6.42E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.4E-09	7.6E-09	2.3E-09	3.5E-08
586	642080.09	4290882.63	642080.09, 4290	2.66925	2.66894	2.66925	2.63478	1.52E-05	1.52E-05	2.84E-04	2.31E-04	5.46E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.5E-09	2.0E-09	3.0E-08
587	642120.09	4290882.63	642120.09, 4290	2.30054	2.30029	2.30054	2.27202	1.31E-05	1.31E-05	2.45E-04	2.00E-04	4.71E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.2E-09	5.6E-09	1.7E-09	2.6E-08
588	642160.09	4290882.63	642160.09, 4290	2.0032	2.003	2.0032	1.97852	1.14E-05	1.14E-05	2.13E-04	1.74E-04	4.10E-04	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	4.3E-10	1.0E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
589	642200.09	4290882.63	642200.09, 4290	1.76414	1.76398	1.76414	1.74275	1.00E-05	1.00E-05	1.88E-04	1.53E-04	3.61E-04	1.2E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	3.8E-10	9.2E-09	4.7E-09	4.3E-09	1.3E-09	2.0E-08

590	642240.09	4290882.63	642240.09, 429(	1.56707	1.56694	1.56707	1.54947	8.90E-06	8.90E-06	1.67E-04	1.36E-04	3.21E-04	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.0E-08	3.4E-10	8.1E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
591	642280.09	4290882.63	642280.09, 429(	1.4027	1.40258	1.4027	1.38925	7.97E-06	7.97E-06	1.49E-04	1.22E-04	2.87E-04	9.9E-08	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.0E-10	7.3E-09	3.8E-09	3.4E-09	1.0E-09	1.6E-08
592	642320.09	4290882.63	642320.09, 429(	1.26391	1.26382	1.26391	1.25459	7.18E-06	7.18E-06	1.35E-04	1.10E-04	2.59E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.7E-10	6.6E-09	3.4E-09	3.1E-09	9.3E-10	1.4E-08
593	642360.09	4290882.63	642360.09, 429(	1.14548	1.1454	1.14548	1.13991	6.51E-06	6.50E-06	1.22E-04	1.00E-04	2.35E-04	8.1E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.4E-10	1.3E-08
594	642400.09	4290882.63	642400.09, 429(	1.04353	1.04346	1.04353	1.04112	5.93E-06	5.93E-06	1.11E-04	9.15E-05	2.14E-04	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.4E-08	2.3E-10	5.4E-09	2.8E-09	2.5E-09	7.7E-10	1.2E-08
595	642440.09	4290882.63	642440.09, 429(	0.95502	0.95496	0.95502	0.95514	5.42E-06	5.42E-06	1.02E-04	8.39E-05	1.96E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.1E-10	1.1E-08
596	642480.09	4290882.63	642480.09, 429(	0.87764	0.87758	0.87764	0.87968	4.98E-06	4.98E-06	9.35E-05	7.73E-05	1.81E-04	6.3E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	9.9E-09
597	642520.09	4290882.63	642520.09, 429(	0.80958	0.80953	0.80958	0.81301	4.60E-06	4.60E-06	8.62E-05	7.14E-05	1.67E-04	5.8E-08	1.7E-07	1.0E-07	9.2E-08	4.2E-08	1.8E-10	4.2E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
598	642560.09	4290882.63	642560.09, 429(	0.74935	0.7493	0.74935	0.75375	4.26E-06	4.26E-06	7.98E-05	6.62E-05	1.55E-04	5.3E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.5E-09
599	642600.09	4290882.63	642600.09, 429(	0.69578	0.69574	0.69578	0.70081	3.95E-06	3.95E-06	7.41E-05	6.16E-05	1.44E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.2E-10	7.9E-09
600	641450.64	4290754.44	641450.64, 429(	6.23342	6.23479	6.23342	5.66375	3.54E-05	3.54E-05	6.64E-04	4.98E-04	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	4.4E-09	6.8E-08
601	641490.64	4290754.44	641490.64, 429(	8.39303	8.39522	8.39303	7.55045	4.77E-05	4.77E-05	8.94E-04	6.63E-04	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	5.9E-09	9.1E-08
602	641530.64	4290754.44	641530.64, 429(	11.98376	11.98752	11.98376	10.59006	6.81E-05	6.81E-05	1.28E-03	9.30E-04	2.34E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.9E-07	2.5E-09	5.9E-08	3.1E-08	2.8E-08	8.4E-09	1.3E-07
603	641570.64	4290754.44	641570.64, 429(	18.16254	18.16924	18.16254	15.54421	1.03E-04	1.03E-04	1.93E-03	1.37E-03	3.51E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.8E-07	3.7E-09	8.9E-08	4.6E-08	4.2E-08	1.3E-08	1.9E-07
604	641610.64	4290754.44	641610.64, 429(	28.76942	28.78097	28.76942	23.21355	1.63E-04	1.63E-04	3.06E-03	2.04E-03	5.43E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	5.7E-09	1.4E-07	7.1E-08	6.4E-08	1.9E-08	3.0E-07
605	641650.64	4290754.44	641650.64, 429(	43.85558	43.87113	43.85558	32.76409	2.49E-04	2.49E-04	4.67E-03	2.88E-03	8.05E-03	2.8E-06	8.4E-06	4.9E-06	4.4E-06	2.0E-06	8.5E-09	2.0E-07	1.1E-07	9.5E-08	2.9E-08	4.4E-07
606	641450.64	4290794.44	641450.64, 429(	6.4616	6.46305	6.4616	5.85015	3.67E-05	3.67E-05	6.88E-04	5.14E-04	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	4.6E-09	7.0E-08
607	641490.64	4290794.44	641490.64, 429(	8.72214	8.72441	8.72214	7.79291	4.95E-05	4.95E-05	9.29E-04	6.85E-04	1.71E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.1E-09	9.4E-08
608	641530.64	4290794.44	641530.64, 429(	12.26082	12.26446	12.26082	10.72863	6.96E-05	6.97E-05	1.31E-03	9.43E-04	2.39E-03	8.3E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.5E-09	6.1E-08	3.1E-08	2.8E-08	8.6E-09	1.3E-07
609	641570.64	4290794.44	641570.64, 429(	17.68473	17.69037	17.68473	14.98518	1.00E-04	1.00E-04	1.88E-03	1.32E-03	3.40E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.5E-07	3.6E-09	8.6E-08	4.4E-08	4.0E-08	1.2E-08	1.9E-07
610	641610.64	4290794.44	641610.64, 429(	25.13329	25.14096	25.13329	20.38307	1.43E-04	1.43E-04	2.68E-03	1.79E-03	4.75E-03	1.6E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	5.0E-09	1.2E-07	6.2E-08	5.6E-08	1.7E-08	2.6E-07
611	641650.64	4290794.44	641650.64, 429(	33.00361	33.01134	33.00361	25.61105	1.87E-04	1.87E-04	3.51E-03	2.25E-03	6.14E-03	2.1E-06	6.4E-06	3.7E-06	3.4E-06	1.5E-06	6.5E-09	1.6E-07	8.0E-08	7.3E-08	2.2E-08	3.4E-07
612	641450.64	4290834.44	641450.64, 429(	6.63085	6.63231	6.63085	5.99081	3.77E-05	3.77E-05	7.06E-04	5.26E-04	1.31E-03	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.7E-09	7.2E-08
613	641490.64	4290834.44	641490.64, 429(	8.82742	8.82959	8.82742	7.87011	5.01E-05	5.01E-05	9.40E-04	6.91E-04	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	1.8E-09	4.4E-08	2.3E-08	2.1E-08	6.2E-09	9.5E-08
614	641530.64	4290834.44	641530.64, 429(	11.97552	11.97867	11.97552	10.47628	6.80E-05	6.80E-05	1.28E-03	9.20E-04	2.33E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.5E-09	5.9E-08	3.0E-08	2.8E-08	8.4E-09	1.3E-07
615	641570.64	4290834.44	641570.64, 429(	16.19775	16.20197	16.19775	13.79055	9.20E-05	9.20E-05	1.72E-03	1.21E-03	3.12E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	3.3E-09	7.9E-08	4.1E-08	3.7E-08	1.1E-08	1.7E-07
616	641610.64	4290834.44	641610.64, 429(	21.05121	21.05601	21.05121	17.34952	1.20E-04	1.20E-04	2.24E-03	1.52E-03	4.01E-03	1.4E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	4.2E-09	1.0E-07	5.2E-08	4.7E-08	1.4E-08	2.2E-07
617	641650.64	4290834.44	641650.64, 429(	25.11969	25.12367	25.11969	20.16811	1.43E-04	1.43E-04	2.67E-03	1.77E-03	4.73E-03	1.6E-06	4.9E-06	2.9E-06	2.6E-06	1.2E-06	5.0E-09	1.2E-07	6.2E-08	5.6E-08	1.7E-08	2.6E-07

Residential DOSEair = **(Cair*(BR/BW)*A*EF*10^{-6})**

A	1	Inhalation absorption factor[1]
EF	0.96	Exposure frequency (350/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk = **DOSEair * CPF * ASF * ED/AT * FAH**

CPF	0.1	Cancer Potency Factor for Benzene[4]
AT	70	Averaging Time[5]

Age	BR/BW	ASF	FAH	ED (Ops)
3rd	361	10	0.85	0.25
0<2	1090	10	0.85	2
2<9	631	3	0.72	7
9<16	572	3	0.72	7
16<30	261	1	0.73	13.75

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for Benzene, OEHHA 2015, Table 7.1, page 7-4
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Operational Risk - Fueling (Ethylbenzene)

	Loading	Breathing	Fueling + Hose Permeation	Spillage
Emissions Rate (g/s):	8.31E-06	1.33E-06	2.49E-05	1.60E-04

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s				Unmitigated					Residential Dose					Risk by Age Group					
	X	Y	X, Y	Loading	Breathing	Fueling + Hose Permeation	Spillage	Loading	Breathing	Fueling + Hose Permeation	Spillage	Total	3rd	0<2	2<9	9<16	16<30	3rd	0<2	2<9	9<16	16<30	Total Risk
1	641284.31	4290506.68	641284.31, 4290	2.28914	2.2894	2.28914	2.24887	1.90E-05	3.04E-06	5.71E-05	3.61E-04	4.40E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.0E-11	9.7E-10	5.0E-10	4.5E-10	1.4E-10	2.1E-09
2	641324.31	4290506.68	641324.31, 4290	2.67219	2.67251	2.67219	2.62615	2.22E-05	3.55E-06	6.66E-05	4.21E-04	5.13E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.7E-11	1.1E-09	5.8E-10	5.3E-10	1.6E-10	2.5E-09
3	641364.31	4290506.68	641364.31, 4290	3.16658	3.167	3.16658	3.11376	2.63E-05	4.21E-06	7.89E-05	4.99E-04	6.09E-04	2.1E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	5.6E-11	1.3E-09	6.9E-10	6.3E-10	1.9E-10	2.9E-09
4	641404.31	4290506.68	641404.31, 4290	3.81615	3.81671	3.81615	3.75744	3.17E-05	5.08E-06	9.51E-05	6.02E-04	7.34E-04	2.5E-07	7.7E-07	4.4E-07	4.0E-07	1.8E-07	6.7E-11	1.6E-09	8.3E-10	7.6E-10	2.3E-10	3.5E-09
5	641284.31	4290546.68	641284.31, 4290	2.37419	2.37447	2.37419	2.30269	1.97E-05	3.16E-06	5.92E-05	3.69E-04	4.51E-04	1.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.1E-11	1.0E-09	5.1E-10	4.7E-10	1.4E-10	2.2E-09
6	641324.31	4290546.68	641324.31, 4290	2.78725	2.78761	2.78725	2.6998	2.32E-05	3.71E-06	6.95E-05	4.33E-04	5.29E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	4.8E-11	1.2E-09	6.0E-10	5.5E-10	1.7E-10	2.5E-09
7	641364.31	4290546.68	641364.31, 4290	3.33085	3.33132	3.33085	3.22046	2.77E-05	4.43E-06	8.30E-05	5.16E-04	6.31E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	5.8E-11	1.4E-09	7.2E-10	6.5E-10	2.0E-10	3.0E-09
8	641404.31	4290546.68	641404.31, 4290	4.0608	4.06145	4.0608	3.9179	3.37E-05	5.40E-06	1.01E-04	6.28E-04	7.68E-04	2.7E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.7E-09
9	641284.31	4290586.68	641284.31, 4290	2.44038	2.44068	2.44038	2.33928	2.03E-05	3.25E-06	6.08E-05	3.75E-04	4.59E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.2E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
10	641324.31	4290586.68	641324.31, 4290	2.87714	2.87753	2.87714	2.74864	2.39E-05	3.83E-06	7.17E-05	4.41E-04	5.40E-04	1.9E-07	5.6E-07	3.3E-07	3.0E-07	1.4E-07	4.9E-11	1.2E-09	6.1E-10	5.6E-10	1.7E-10	2.6E-09
11	641364.31	4290586.68	641364.31, 4290	3.4544	3.45492	3.4544	3.28594	2.87E-05	4.59E-06	8.61E-05	5.27E-04	6.46E-04	2.2E-07	6.8E-07	3.9E-07	3.5E-07	1.6E-07	5.9E-11	1.4E-09	7.3E-10	6.7E-10	2.0E-10	3.1E-09
12	641404.31	4290586.68	641404.31, 4290	4.23507	4.23579	4.23507	4.00821	3.52E-05	5.63E-06	1.06E-04	6.43E-04	7.89E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	7.2E-11	1.7E-09	9.0E-10	8.1E-10	2.5E-10	3.8E-09
13	641284.31	4290626.68	641284.31, 4290	2.49133	2.49164	2.49133	2.36987	2.07E-05	3.31E-06	6.21E-05	3.80E-04	4.66E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.3E-11	1.0E-09	5.3E-10	4.8E-10	1.5E-10	2.2E-09
14	641324.31	4290626.68	641324.31, 4290	2.9374	2.93781	2.9374	2.78263	2.44E-05	3.91E-06	7.32E-05	4.46E-04	5.48E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.0E-11	1.2E-09	6.2E-10	5.6E-10	1.7E-10	2.6E-09
15	641364.31	4290626.68	641364.31, 4290	3.53272	3.53327	3.53272	3.32778	2.94E-05	4.70E-06	8.81E-05	5.33E-04	6.56E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.0E-11	1.4E-09	7.5E-10	6.8E-10	2.0E-10	3.1E-09
16	641404.31	4290626.68	641404.31, 4290	4.33498	4.33574	4.33498	4.05774	3.60E-05	5.77E-06	1.08E-04	6.50E-04	8.00E-04	2.8E-07	8.4E-07	4.8E-07	4.4E-07	2.0E-07	7.3E-11	1.8E-09	9.1E-10	8.2E-10	2.5E-10	3.8E-09
17	641284.31	4290666.68	641284.31, 4290	2.5318	2.53213	2.5318	2.39596	2.10E-05	3.37E-06	6.31E-05	3.84E-04	4.72E-04	1.6E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	4.3E-11	1.0E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
18	641324.31	4290666.68	641324.31, 4290	2.98996	2.99039	2.98996	2.81501	2.48E-05	3.98E-06	7.45E-05	4.51E-04	5.55E-04	1.9E-07	5.8E-07	3.4E-07	3.0E-07	1.4E-07	5.1E-11	1.2E-09	6.3E-10	5.7E-10	1.7E-10	2.7E-09
19	641364.31	4290666.68	641364.31, 4290	3.60758	3.60815	3.60758	3.37189	3.00E-05	4.80E-06	8.99E-05	5.41E-04	6.65E-04	2.3E-07	7.0E-07	4.0E-07	3.6E-07	1.7E-07	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09
20	641404.31	4290666.68	641404.31, 4290	4.42784	4.42863	4.42784	4.11052	3.68E-05	5.89E-06	1.10E-04	6.59E-04	8.12E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	7.4E-11	1.8E-09	9.2E-10	8.4E-10	2.5E-10	3.9E-09
21	641284.31	4290706.68	641284.31, 4290	2.56649	2.56683	2.56649	2.41563	2.13E-05	3.41E-06	6.40E-05	3.87E-04	4.76E-04	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.4E-11	1.1E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
22	641324.31	4290706.68	641324.31, 4290	3.03692	3.03736	3.03692	2.8413	2.52E-05	4.04E-06	7.57E-05	4.55E-04	5.60E-04	1.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.1E-11	1.2E-09	6.4E-10	5.8E-10	1.7E-10	2.7E-09
23	641364.31	4290706.68	641364.31, 4290	3.67397	3.67455	3.67397	3.40921	3.05E-05	4.89E-06	9.16E-05	5.47E-04	6.74E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	6.2E-11	1.5E-09	7.7E-10	6.9E-10	2.1E-10	3.2E-09
24	641404.31	4290706.68	641404.31, 4290	4.52911	4.52993	4.52911	4.17204	3.76E-05	6.02E-06	1.13E-04	6.69E-04	8.25E-04	2.9E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	7.5E-11	1.8E-09	9.4E-10	8.5E-10	2.6E-10	3.9E-09
25	641284.31	4290746.68	641284.31, 4290	2.60298	2.60332	2.60298	2.43528	2.16E-05	3.46E-06	6.49E-05	3.90E-04	4.80E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.4E-11	1.1E-09	5.5E-10	5.0E-10	1.5E-10	2.3E-09
26	641324.31	4290746.68	641324.31, 4290	3.08236	3.08281	3.08236	2.86816	2.56E-05	4.10E-06	7.68E-05	4.60E-04	5.66E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.2E-11	1.3E-09	6.4E-10	5.8E-10	1.8E-10	2.7E-09
27	641364.31	4290746.68	641364.31, 4290	3.73756	3.73816	3.73756	3.45213	3.11E-05	4.97E-06	9.32E-05	5.53E-04	6.83E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	6.2E-11	1.5E-09	7.8E-10	7.0E-10	2.1E-10	3.3E-09
28	641404.31	4290746.68	641404.31, 4290	4.63986	4.64072	4.63986	4.2535	3.86E-05	6.17E-06	1.16E-04	6.82E-04	8.42E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	7.7E-11	1.9E-09	9.6E-10	8.7E-10	2.6E-10	4.0E-09
29	641284.31	4290786.68	641284.31, 4290	2.64338	2.64373	2.64338	2.46181	2.20E-05	3.52E-06	6.59E-05	3.95E-04	4.86E-04	1.7E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	4.4E-11	1.1E-09	5.5E-10	5.0E-10	1.5E-10	2.3E-09
30	641324.31	4290786.68	641324.31, 4290	3.13751	3.13798	3.13751	2.9096	2.61E-05	4.17E-06	7.82E-05	4.66E-04	5.75E-04	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	5.3E-11	1.3E-09	6.5E-10	5.9E-10	1.8E-10	2.7E-09
31	641364.31	4290786.68	641364.31, 4290	3.81428	3.81491	3.81428	3.51655	3.17E-05	5.07E-06	9.51E-05	5.64E-04	6.96E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	6.4E-11	1.5E-09	7.9E-10	7.2E-10	2.2E-10	3.3E-09
32	641404.31	4290786.68	641404.31, 4290	4.7682	4.7691	4.7682	4.36265	3.96E-05	6.34E-06	1.19E-04	6.99E-04	8.64E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	7.9E-11	1.9E-09	9.8E-10	8.9E-10	2.7E-10	4.1E-09
33	641284.31	4290826.68	641284.31, 4290	2.6908	2.69116	2.6908	2.50011	2.24E-05	3.58E-06	6.71E-05	4.01E-04	4.94E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	4.5E-11	1.1E-09	5.6E-10	5.1E-10	1.5E-10	2.4E-09
34	641324.31	4290826.68	641324.31, 4290	3.20671	3.20719	3.20671	2.9688	2.66E-05	4.26E-06	7.99E-05	4.76E-04	5.87E-04	2.0E-07	6.1E-07	3.6E-07	3.2E-07	1.5E-07	5.4E-11	1.3E-09	6.7E-10	6.0E-10	1.8E-10	2.8E-09
35	641364.31	4290826.68	641364.31, 4290	3.90636	3.90702	3.90636	3.59923	3.25E-05	5.20E-06	9.74E-05	5.77E-04	7.12E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	6.5E-11	1.6E-09	8.1E-10	7.3E-10	2.2E-10	3.4E-09
36	641404.31	4290826.68	641404.31, 4290	4.90472	4.90565	4.90472	4.48191	4.08E-05	6.52E-06	1.22E-04	7.18E-04	8.88E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	8.1E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.2E-09
37	641284.31	4290866.68	641284.31, 4290	2.74392	2.74429	2.74392	2.54817	2.28E-05	3.65E-06	6.84E-05	4.08E-04	5.03E-04	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	4.6E-11	1.1E-09	5.7E-10	5.2E-10	1.6E-10	2.4E-09
38	641324.31	4290866.68	641324.31, 4290	3.28208	3.28258	3.28208	3.03603	2.73E-05	4.36E-06	8.18E-05	4.87E-04	6.00E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	5.5E-11	1.3E-09	6.8E-10	6.2E-10	1.9E-10	2.9E-09
39	641364.31	4290866.68	641364.31, 4290	4.00655	4.00723	4.00655	3.68715	3.33E-05	5.33E-06	9.99E-05	5.91E-04	7.30E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	6.7E-11	1.6E-09	8.3E-10	7.5E-10	2.3E-10	3.5E-09
40	641404.31	4290866.68	641404.31, 4290	5.02308	5.02404	5.02308	4.58414	4.17E-05	6.68E-06	1.25E-04	7.35E-04	9.09E-04	3.1E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	8.3E-11	2.0E-09	1.0E-09	9.4E-10	2.8E-10	4.3E-09
41	641268.28	4290889.76	641268.28, 4290	2.59465	2.59499	2.59465	2.41318	2.16E-05	3.45E-06	6.47E-05	3.87E-04	4.77E-04	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.4E-11	1.1E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
42	641308.28	4290889.76	641308.28, 4290	3.08807	3.08852	3.08807	2.85972	2.57E-05	4.11E-06	7.70E-05	4.58E-04	5.65E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.2E-11	1.2E-09	6.4E-10	5.8E-10	1.8E-10	2.7E-09
43	641348.28	4290889.76	641348.28, 4290	3.73698	3.73759	3.73698	3.44498	3.11E-05	4.97E-06	9.32E-05	5.52E-04	6.81E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	6.2E-11	1.5E-09	7.7E-10	7.0E-10	2.1E-10	3.3E-09
44	641388.28	4290889.76	641388.28, 4290	4.62282	4.62365	4.62282	4.23368	3.84E-05	6.15E-06	1.15E-04	6.79E-04	8.39E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	7.7E-11	1.9E-09	9.5E-10	8.6E-10	2.6E-10	4.0E-09
45	641428.28	4290889.76	641428.28, 4290	5.83259	5.83374	5.83259	5.29918	4.85E-05	7.76E-06	1.45E-04	8.50E-04	1.05E-03	3.6E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	9.6E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
46	641468.28	4290889.76	641468.28, 4290	7.45425	7.45582	7.45425	6.71314	6.19E-05	9.91E-06	1.86E-04	1.08E-03	1.33E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
47	641508.28	4290889.76	641508.28, 4290	9.5641	9.56614	9.5641	8.50921	7.95E-05	1.27E-05	2.38E-04	1.36E-03	1.69E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
48	641548.28	4290889.76	641548.28, 4290	12.10557	12.10804	12.10557	10.588	1.01E-04	1.61E-05	3.02E-04	1.70E-03	2.12E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
49	641588.28	4290889.76	641588.28, 4290	14.78987	14.79248	14.78987	12.6611	1.23E-04	1.97E-05	3.69E-04	2.03E-03	2.54E-03	8.8E-07	2.7E-06	1.5E-06	1.4E-06	6.4E-07	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
50	641628.28	4290889.76	641628.28, 4290	17.04372	17.04593	17.04372	14.29707	1.42E-04	2.27E-05	4.25E-04	2.29E-03	2.88E-03	1.0E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	2.6E-10	6.4E-09	3.3E-09	3.0E-09	9.0E-10	1.4E-08
51	642188.28	4290889.76	642188.28, 4290	1.8141	1.81393	1.8141	1.79156	1.51E-05	2.41E-06	4.52E-05	2.87E-04	3.50E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	3.2E-11	7.7E-10	4.0E-10	3.6E-10	1.1E-10	1.7E-09
52	642228.28	4290889.76	642228.28, 4290	1.60832	1.60819	1.60832	1.589	1.34E-05	2.14E-06	4.01E-05	2.55E-04	3.10E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.8E-08	2.8E-11	6.9E-10	3.5E-10	3.2E-10	9.7E-11	1.5E-09
53	642268.28	4290889.76	642268.28, 4290	1.43746	1.43734	1.43746	1.42185	1.19E-05	1.91E-06	3.58E-05	2.28E-04	2.78E-04	9.6E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.5E-11	6.1E-10	3.2E-10	2.9E-10	8.7E-11	1.3E-09
54	642308.28	4290889.76	642308.28, 4290	1.29357	1.29347	1.29357	1.28191	1.08E-05	1.72E-06	3.23E-05	2.06E-04	2.50E-04	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.3E-11	5.5E-10	2.8E-10	2.6E-10	7.8E-11	1.2E-09
55	642348.28	4290889.76	642348.28, 4290	1.17114	1.17105	1.17114	1.16327	9.73E-06	1.56E-06	2.92E-05	1.86E-04	2.27E-04	7.9E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.1E-11	1.1E-09
56	642388.28	4290889.76	642388.28, 4290	1.06597	1.06589	1.06597	1.06146	8.86E-06	1.42E-06	2.66E-05	1.70E-04	2.07E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	1.9E-11	4.6E-10	2.4E-10	2.1E-10	6.5E-11	9.9E-10
57	642428.28	4290889.76	642428.28, 4290	0.97484	0.97477	0.97484	0.97313	8.10E-06	1.30E-06	2.43E-05	1.56E-04	1.90E-04	6.6E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	1.7E-11	4.2E-10	2.2E-10	2.0E-10	5.9E-11	9.1E-10
58	641268.28	4290929.76	641268.28, 4290	2.64585	2.6462	2.64585	2.46002	2.20E-05	3.52E-06	6.60E-05	3.94E-04	4.86E-04	1.7E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	4.4E-11	1.1E-09	5.5E-10	5.0E-10	1.5E-10	2.3E-09
59	641308.28	4290929.76	641308.28, 4290	3.15136	3.15182	3.15136	2.9161	2.62E-05	4.19E-06	7.86E-05	4.67E-04	5.76E-04	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	5.3E-11	1.3E-09	6.6E-10	5.9E-10	1.8E-10	2.8E-09
60	641348.28	4290929.76	641348.28, 4290	3.80527	3.80588	3.80527	3.50607	3.16E-05	5.06E-06	9.49E-05	5.62E-04	6.94E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	6.3E-11	1.5E-09	7.9E-10	7.1E-10	2.2E-10	3.3E-09
61	641388.28	4290929.76	641388.28, 4290	4.66994	4.67075	4.66994	4.28051	3.88E-05	6.21E-06	1.16E-04	6.86E-04	8.48E-04	2.9E-07	8.9E-07	5.1E-07	4.6E-07	2.1E-07	7.7E-11	1.9E-09	9.6E-10	8.7E-10	2.6E-10	4.1E-09
62	641428.28	4290929.76	641428.28, 4290	5.79894	5.8	5.79894	5.28453	4.82E-05	7.71E-06	1.45E-04	8.47E-04	1.05E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	9.6E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
63	641468.28	4290929.76	641468.28, 4290	7.2232	7.22456	7.2232	6.53805	6.00E-05	9.61E-06	1.80E-04	1.05E-03	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.2E-07	1.2E-10	2.9E-09	1.5E-09	1.3E-09	4.1E-10	6.2E-09
64	641508.28	4290929.76	641508.28, 4290	8.93237	8.93401	8.93237	8.00344	7.42E-05	1.19E-05	2.23E-04	1.28E-03	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.5E-10	3.5E-09	1.8E-09	1.6E-09	5.0E-10	7.6E-09
65	641548.28	4290929.76	641548.28, 4290	10.80265	10.80445	10.80265	9.53881	8.98E-05	1.44E-05	2.69E-04	1.53E-03	1.90E-03	6.6E-07	2.0E-06	1.2E-06	1.0E-06	4.8E-07	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.1E-09
66	641588.28	4290929.76	641588.28, 4290	12.57157	12.5733	12.57157	10.9114	1.04E-04	1.67E-05	3.13E-04	1.75E-03	2.18E-03	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.0E-10	4.8E-09	2.5E-09	2.3E-09	6.8E-10	1.0E-08
67	641628.28	4290929.76	641628.28, 4290	13.87408	13.8754	13.87408	11.86802	1.15E-04	1.85E-05	3.46E-04	1.90E-03	2.38E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.4E-10	1.1E-08
68	642188.28	4290929.76	642188.28, 4290	1.72638	1.72622	1.72638	1.70506	1.43E-05	2.30E-06	4.30E-05	2.73E-04	3.33E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.0E-11	7.4E-10	3.8E-10	3.4E-10	1.0E-10	1.6E-09
69	642228.28	4290929.76	642228.28, 4290	1.53536	1.53523	1.53536	1.5157	1.28E-05	2.04E-06	3.83E-05	2.43E-04	2.96E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.7E-11	6.5E-10	3.4E-10	3.1E-10	9.2E-11	1.4E-09
70	642268.28	4290929.76	642268.28, 4290	1.37694	1.37683	1.37694	1.35907	1.14E-05	1.83E-06	3.43E-05	2.18E-04	2.65E-04	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.6E-08	2.4E-11	5.9E-10	3.0E-10	2.7E-10	8.3E-11	1.3E-09
71	642308.28	4290929.76	642308.28, 4290	1.24301	1.24292	1.24301	1.22746	1.03E-05	1.65E-06	3.10E-05	1.97E-04	2.40E-04	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.2E-11	5.3E-10	2.7E-10	2.5E-10	7.5E-11	1.1E-09
72	642348.28	4290929.76	642348.28, 4290	1.12868	1.1286	1.12868	1.11586	9.38E-06	1.50E-06	2.81E-05	1.79E-04	2.18E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.0E-11	4.8E-10	2.5E-10	2.2E-10	6.8E-11	1.0E-09
73	642388.28	4290929.76	642388.28, 4290	1.03034	1.03027	1.03034	1.02039	8.56E-06	1.37E-06	2.57E-05	1.64E-04	1.99E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	1.8E-11	4.4E-10	2.3E-10	2.1E-10	6.2E-11	9.5E-10
74	642428.28	4290929.76	642428.28, 4290	0.94505	0.94499	0.94505	0.93786	7.85E-06	1.26E-06	2.36E-05	1.50E-04	1.83E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.7E-11	4.0E-10	2.1E-10	1.9E-10	5.7E-11	8.7E-10
75	641268.28	4290969.76	641268.28, 4290	2.69306	2.69342	2.69306	2.5027	2.24E-05	3.58E-06	6.71E-05	4.01E-04	4.94E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	4.5E-11	1.1E-09	5.6E-10	5.1E-10	1.5E-10	2.4E-09
76	641308.28	4290969.76	641308.28, 4290	3.19864	3.1991	3.19864	2.96024	2.66E-05	4.25E-06	7.97E-05	4.75E-04	5.85E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	5.3E-11	1.3E-09	6.7E-10	6.0E-10	1.8E-10	2.8E-09
77	641348.28	4290969.76	641348.28, 4290	3.84004	3.84064	3.84004	3.54223	3.19E-05	5.11E-06	9.57E-05	5.68E-04	7.01E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.8E-07	6.4E-11	1.5E-09	8.0E-10	7.2E-10	2.2E-10	3.3E-09
78	641388.28	4290969.76	641388.28, 4290	4.65507	4.65583	4.65507	4.28044	3.87E-05	6.19E-06	1.16E-04	6.86E-04	8.47E-04	2.9E-07	8.9E-07	5.1E-07	4.6E-07	2.1E-07	7.7E-11	1.9E-09	9.6E-10	8.7E-10	2.6E-10	4.0E-09
79	641428.28	4290969.76	641428.28, 4290	5.66695	5.6679	5.66695	5.19114	4.71E-05	7.54E-06	1.41E-04	8.32E-04	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	9.4E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
80	641468.28	4290969.76	641468.28, 4290	6.86794	6.86908	6.86794	6.25679	5.71E-05	9.13E-06	1.71E-04	1.00E-03	1.24E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.9E-10	5.9E-09
81	641508.28	4290969.76	641508.28, 4290	8.2055	8.20678	8.2055	7.40735	6.82E-05	1.09E-05	2.05E-04	1.19E-03	1.47E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.3E-10	3.2E-09	1.7E-09	1.5E-09	4.6E-10	7.0E-09
82	641548.28	4290969.76	641548.28, 4290	9.55044	9.55174	9.55044	8.51132	7.94E-05	1.27E-05	2.38E-04	1.36E-03	1.69E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
83	641588.28	4290969.76	641588.28, 4290	10.70898	10.71013	10.70898	9.40958	8.90E-05	1.42E-05	2.67E-04	1.51E-03	1.88E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
84	641628.28	4290969.76	641628.28, 4290	11.45991	11.46073	11.45991	9.96399	9.52E-05	1.52E-05	2.86E-04	1.60E-03	1.99E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.2E-10	9.5E-09
85	641668.28	4290969.76	641668.28, 4290	11.62213	11.62246	11.62213	10.08546	9.66E-05	1.55E-05	2.90E-04	1.62E-03	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	1.8E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
86	641708.28	4290969.76	641708.28, 4290	11.11782	11.11759	11.11782	9.73205	9.24E-05	1.48E-05	2.77E-04	1.56E-03	1.94E-03	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.3E-09
87	641748.28	4290969.76	641748.28, 4290	10.0351	10.03442	10.0351	8.94013	8.34E-05	1.33E-05	2.50E-04	1.43E-03	1.78E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.6E-10	8.5E-09
88	641788.28	4290969.76	641788.28, 4290	8.62011	8.61919	8.62011	7.86025	7.16E-05	1.15E-05	2.15E-04	1.26E-03	1.56E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.9E-10	7.4E-09
89	641828.28	4290969.76	641828.28, 4290	7.16553	7.16459	7.16553	6.6929	5.96E-05	9.53E-06	1.79E-04	1.07E-03	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.1E-10	6.3E-09
90	641868.28	4290969.76	641868.28, 4290	5.87668	5.87586	5.87668	5.59229	4.88E-05	7.81E-06	1.47E-04	8.97E-04	1.10E-03	3.8E-07	1.1E-06	6.7E-07	6.0E-07	2.8E-07	1.0E-10	2.4E-09	1.3E-09	1.1E-09	3.4E-10	5.3E-09
91	641908.28	4290969.76	641908.28, 4290	4.8181	4.81742	4.8181	4.63892	4.00E-05	6.41E-06	1.20E-04	7.44E-04	9.10E-04	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	8.3E-11	2.0E-09	1.0E-09	9.4E-10	2.8E-10	4.4E-09
92	641948.28	4290969.76	641948.28, 4290	3.98329	3.98276	3.98329	3.86069	3.31E-05	5.30E-06	9.93E-05	6.19E-04	7.57E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	6.9E-11	1.7E-09	8.6E-10	7.8E-10	2.4E-10	3.6E-09
93	642188.28	4290969.76	642188.28, 4290	1.64462	1.64448	1.64462	1.62506	1.37E-05	2.19E-06	4.10E-05	2.61E-04	3.17E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	2.9E-11	7.0E-10	3.6E-10	3.3E-10	9.9E-11	1.5E-09
94	642228.28	4290969.76	642228.28, 4290	1.4674	1.46728	1.4674	1.44957	1.22E-05	1.95E-06	3.66E-05	2.32E-04	2.83E-04	9.8E-08	3.0E-07	1.7E-07	1.6E-07	7.1E-08	2.6E-11	6.3E-10	3.2E-10	2.9E-10	8.8E-11	1.4E-09
95	642268.28	4290969.76	642268.28, 4290	1.3201	1.31999	1.3201	1.30314	1.10E-05	1.76E-06	3.29E-05	2.09E-04	2.55E-04	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.3E-11	5.6E-10	2.9E-10	2.6E-10	7.9E-11	1.2E-09
96	642308.28	4290969.76	642308.28, 4290	1.19495	1.19486	1.19495	1.17897	9.93E-06	1.59E-06	2.98E-05	1.89E-04	2.30E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
97	642348.28	4290969.76	642348.28, 4290	1.08742	1.08735	1.08742	1.07285	9.04E-06	1.45E-06	2.71E-05	1.72E-04	2.10E-04	7.3E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	1.9E-11	4.6E-10	2.4E-10	2.2E-10	6.5E-11	1.0E-09

98	642388.28	4290969.76	642388.28, 4290	0.9946	0.99454	0.9946	0.98186	8.27E-06	1.32E-06	2.48E-05	1.57E-04	1.92E-04	6.6E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	1.8E-11	4.2E-10	2.2E-10	2.0E-10	6.0E-11	9.2E-10
99	642428.28	4290969.76	642428.28, 4290	0.91426	0.9142	0.91426	0.9036	7.60E-06	1.22E-06	2.28E-05	1.45E-04	1.76E-04	6.1E-08	1.8E-07	1.1E-07	9.7E-08	4.4E-08	1.6E-11	3.9E-10	2.0E-10	1.8E-10	5.5E-11	8.4E-10
100	641268.28	4291009.76	641268.28, 4291	2.72858	2.72894	2.72858	2.5363	2.27E-05	3.63E-06	6.80E-05	4.07E-04	5.01E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	4.6E-11	1.1E-09	5.7E-10	5.2E-10	1.6E-10	2.4E-09
101	641308.28	4291009.76	641308.28, 4291	3.22289	3.22334	3.22289	2.98764	2.68E-05	4.29E-06	8.04E-05	4.79E-04	5.90E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	5.4E-11	1.3E-09	6.7E-10	6.1E-10	1.8E-10	2.8E-09
102	641348.28	4291009.76	641348.28, 4291	3.83519	3.83576	3.83519	3.54851	3.19E-05	5.10E-06	9.56E-05	5.69E-04	7.01E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.8E-07	6.4E-11	1.5E-09	8.0E-10	7.2E-10	2.2E-10	3.4E-09
103	641388.28	4291009.76	641388.28, 4291	4.57805	4.57874	4.57805	4.23055	3.80E-05	6.09E-06	1.14E-04	6.78E-04	8.36E-04	2.9E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	7.6E-11	1.8E-09	9.5E-10	8.6E-10	2.6E-10	4.0E-09
104	641428.28	4291009.76	641428.28, 4291	5.45476	5.45558	5.45476	5.02792	4.53E-05	7.25E-06	1.36E-04	8.06E-04	9.95E-04	3.4E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	9.1E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
105	641468.28	4291009.76	641468.28, 4291	6.4371	6.43803	6.4371	5.90318	5.35E-05	8.56E-06	1.60E-04	9.46E-04	1.17E-03	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.6E-10	5.6E-09
106	641508.28	4291009.76	641508.28, 4291	7.46047	7.46145	7.46047	6.78207	6.20E-05	9.92E-06	1.86E-04	1.09E-03	1.35E-03	4.7E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
107	641548.28	4291009.76	641548.28, 4291	8.41614	8.41707	8.41614	7.56265	6.99E-05	1.12E-05	2.10E-04	1.21E-03	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.8E-07	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.7E-10	7.2E-09
108	641588.28	4291009.76	641588.28, 4291	9.17186	9.17264	9.17186	8.1465	7.62E-05	1.22E-05	2.29E-04	1.31E-03	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.5E-10	3.6E-09	1.8E-09	1.7E-09	5.1E-10	7.8E-09
109	641628.28	4291009.76	641628.28, 4291	9.59993	9.60045	9.59993	8.46218	7.98E-05	1.28E-05	2.39E-04	1.36E-03	1.69E-03	5.8E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
110	641668.28	4291009.76	641668.28, 4291	9.60751	9.60768	9.60751	8.4665	7.98E-05	1.28E-05	2.40E-04	1.36E-03	1.69E-03	5.8E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
111	641708.28	4291009.76	641708.28, 4291	9.1673	9.1671	9.1673	8.14053	7.62E-05	1.22E-05	2.29E-04	1.31E-03	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.5E-10	3.6E-09	1.8E-09	1.7E-09	5.1E-10	7.8E-09
112	641748.28	4291009.76	641748.28, 4291	8.34683	8.34632	8.34683	7.51531	6.94E-05	1.11E-05	2.08E-04	1.20E-03	1.49E-03	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.7E-10	7.1E-09
113	641788.28	4291009.76	641788.28, 4291	7.29983	7.29916	7.29983	6.69239	6.07E-05	9.71E-06	1.82E-04	1.07E-03	1.33E-03	4.6E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.1E-10	6.3E-09
114	641828.28	4291009.76	641828.28, 4291	6.20016	6.19945	6.20016	5.79822	5.15E-05	8.24E-06	1.55E-04	9.30E-04	1.14E-03	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
115	641868.28	4291009.76	641868.28, 4291	5.193	5.19235	5.193	4.9397	4.32E-05	6.90E-06	1.29E-04	7.92E-04	9.71E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	8.9E-11	2.1E-09	1.1E-09	1.0E-09	3.0E-10	4.6E-09
116	641908.28	4291009.76	641908.28, 4291	4.33631	4.33576	4.33631	4.17244	3.60E-05	5.77E-06	1.08E-04	6.69E-04	8.19E-04	2.8E-07	8.6E-07	5.0E-07	4.5E-07	2.0E-07	7.5E-11	1.8E-09	9.3E-10	8.4E-10	2.6E-10	3.9E-09
117	641948.28	4291009.76	641948.28, 4291	3.63912	3.63867	3.63912	3.52449	3.02E-05	4.84E-06	9.07E-05	5.65E-04	6.91E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	6.3E-11	1.5E-09	7.9E-10	7.1E-10	2.2E-10	3.3E-09
118	642188.28	4291009.76	642188.28, 4291	1.56955	1.56942	1.56955	1.55039	1.30E-05	2.09E-06	3.91E-05	2.49E-04	3.03E-04	1.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	2.8E-11	6.7E-10	3.4E-10	3.1E-10	9.5E-11	1.4E-09
119	642228.28	4291009.76	642228.28, 4291	1.40547	1.40536	1.40547	1.38917	1.17E-05	1.87E-06	3.50E-05	2.23E-04	2.71E-04	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.5E-11	6.0E-10	3.1E-10	2.8E-10	8.5E-11	1.3E-09
120	642268.28	4291009.76	642268.28, 4291	1.26752	1.26742	1.26752	1.2524	1.05E-05	1.69E-06	3.16E-05	2.01E-04	2.45E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
121	642308.28	4291009.76	642308.28, 4291	1.14974	1.14966	1.14974	1.13516	9.56E-06	1.53E-06	2.87E-05	1.82E-04	2.22E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.0E-11	4.9E-10	2.5E-10	2.3E-10	6.9E-11	1.1E-09
122	642348.28	4291009.76	642348.28, 4291	1.04828	1.04821	1.04828	1.03422	8.71E-06	1.39E-06	2.61E-05	1.66E-04	2.02E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	1.8E-11	4.5E-10	2.3E-10	2.1E-10	6.3E-11	9.7E-10
123	642388.28	4291009.76	642388.28, 4291	0.96069	0.96063	0.96069	0.94745	7.98E-06	1.28E-06	2.40E-05	1.52E-04	1.85E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.7E-11	4.1E-10	2.1E-10	1.9E-10	5.8E-11	8.8E-10
124	642428.28	4291009.76	642428.28, 4291	0.88463	0.88458	0.88463	0.87257	7.35E-06	1.18E-06	2.21E-05	1.40E-04	1.70E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.3E-08	1.6E-11	3.8E-10	1.9E-10	1.8E-10	5.3E-11	8.1E-10
125	641268.28	4291049.76	641268.28, 4291	2.74627	2.74662	2.74627	2.55727	2.28E-05	3.65E-06	6.85E-05	4.10E-04	5.05E-04	1.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	4.6E-11	1.1E-09	5.7E-10	5.2E-10	1.6E-10	2.4E-09
126	641308.28	4291049.76	641308.28, 4291	3.21799	3.21842	3.21799	2.99367	2.67E-05	4.28E-06	8.02E-05	4.80E-04	5.91E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	5.4E-11	1.3E-09	6.7E-10	6.1E-10	1.8E-10	2.8E-09
127	641348.28	4291049.76	641348.28, 4291	3.786	3.78652	3.786	3.52078	3.15E-05	5.03E-06	9.44E-05	5.64E-04	6.95E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	6.4E-11	1.5E-09	7.9E-10	7.2E-10	2.2E-10	3.3E-09
128	641388.28	4291049.76	641388.28, 4291	4.44751	4.44812	4.44751	4.13376	3.70E-05	5.91E-06	1.11E-04	6.63E-04	8.16E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	7.5E-11	1.8E-09	9.3E-10	8.4E-10	2.5E-10	3.9E-09
129	641428.28	4291049.76	641428.28, 4291	5.1865	5.18719	5.1865	4.81054	4.31E-05	6.90E-06	1.29E-04	7.71E-04	9.50E-04	3.3E-07	9.9E-07	5.8E-07	5.2E-07	2.4E-07	8.7E-11	2.1E-09	1.1E-09	9.8E-10	3.0E-10	4.5E-09
130	641468.28	4291049.76	641468.28, 4291	5.9729	5.97365	5.9729	5.5106	4.96E-05	7.94E-06	1.49E-04	8.83E-04	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.0E-10	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
131	641508.28	4291049.76	641508.28, 4291	6.74438	6.74512	6.74438	6.16905	5.61E-05	8.97E-06	1.68E-04	9.89E-04	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.8E-10	5.8E-09
132	641548.28	4291049.76	641548.28, 4291	7.41909	7.41977	7.41909	6.71546	6.17E-05	9.87E-06	1.85E-04	1.08E-03	1.33E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
133	641588.28	4291049.76	641588.28, 4291	7.91107	7.91161	7.91107	7.09281	6.57E-05	1.05E-05	1.97E-04	1.14E-03	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.3E-10	3.1E-09	1.6E-09	1.5E-09	4.4E-10	6.7E-09
134	641628.28	4291049.76	641628.28, 4291	8.14689	8.14722	8.14689	7.26509	6.77E-05	1.08E-05	2.03E-04	1.16E-03	1.45E-03	5.0E-07	1.5E-06	8.8E-07	7.9E-07	3.6E-07	1.3E-10	3.2E-09	1.6E-09	1.5E-09	4.5E-10	6.9E-09
135	641668.28	4291049.76	641668.28, 4291	8.07904	8.07912	8.07904	7.21007	6.71E-05	1.07E-05	2.01E-04	1.16E-03	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.3E-10	3.2E-09	1.6E-09	1.5E-09	4.5E-10	6.9E-09
136	641708.28	4291049.76	641708.28, 4291	7.70103	7.70085	7.70103	6.91836	6.40E-05	1.02E-05	1.92E-04	1.11E-03	1.38E-03	4.8E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.3E-10	3.0E-09	1.6E-09	1.4E-09	4.3E-10	6.6E-09
137	641748.28	4291049.76	641748.28, 4291	7.06249	7.06211	7.06249	6.41515	5.87E-05	9.39E-06	1.76E-04	1.03E-03	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.2E-10	2.8E-09	1.4E-09	1.3E-09	4.0E-10	6.1E-09
138	641788.28	4291049.76	641788.28, 4291	6.26346	6.26295	6.26346	5.77165	5.21E-05	8.33E-06	1.56E-04	9.25E-04	1.14E-03	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
139	641828.28	4291049.76	641828.28, 4291	5.41488	5.41434	5.41488	5.07205	4.50E-05	7.20E-06	1.35E-04	8.13E-04	1.00E-03	3.5E-07	1.0E-06	6.1E-07	5.5E-07	2.5E-07	9.1E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
140	641868.28	4291049.76	641868.28, 4291	4.6191	4.61858	4.6191	4.39238	3.84E-05	6.14E-06	1.15E-04	7.04E-04	8.64E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	7.9E-11	1.9E-09	9.8E-10	8.9E-10	2.7E-10	4.1E-09
141	641908.28	4291049.76	641908.28, 4291	3.92011	3.91966	3.92011	3.76931	3.26E-05	5.21E-06	9.77E-05	6.04E-04	7.40E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.9E-07	6.8E-11	1.6E-09	8.4E-10	7.6E-10	2.3E-10	3.5E-09
142	641948.28	4291049.76	641948.28, 4291	3.33465	3.33427	3.33465	3.22758	2.77E-05	4.43E-06	8.31E-05	5.17E-04	6.33E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	5.8E-11	1.4E-09	7.2E-10	6.5E-10	2.0E-10	3.0E-09
143	642188.28	4291049.76	642188.28, 4291	1.49753	1.49741	1.49753	1.47748	1.24E-05	1.99E-06	3.73E-05	2.37E-04	2.89E-04	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	2.6E-11	6.4E-10	3.3E-10	3.0E-10	9.0E-11	1.4E-09
144	642228.28	4291049.76	642228.28, 4291	1.34657	1.34647	1.34657	1.33067	1.12E-05	1.79E-06	3.36E-05	2.13E-04	2.60E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.4E-11	5.7E-10	3.0E-10	2.7E-10	8.1E-11	1.2E-09
145	642268.28	4291049.76	642268.28, 4291	1.2176	1.21751	1.2176	1.20386	1.01E-05	1.62E-06	3.04E-05	1.93E-04	2.35E-04	8.1E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.1E-11	5.2E-10	2.7E-10	2.4E-10	7.3E-11	1.1E-09
146	642308.28	4291049.76	642308.28, 4291	1.10706	1.10698	1.10706	1.09421	9.20E-06	1.47E-06	2.76E-05	1.75E-04	2.14E-04	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.0E-11	4.7E-10	2.4E-10	2.2E-10	6.7E-11	1.0E-09
147	642348.28	4291049.76	642348.28, 4291	1.01146	1.01139	1.01146	0.99893	8.41E-06	1.34E-06	2.52E-05	1.60E-04	1.95E-04	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	1.8E-11	4.3E-10	2.2E-10	2.0E-10	6.1E-11	9.3E-10
148	642388.28	4291049.76	642388.28, 4291	0.92867	0.92861	0.92867	0.91637	7.72E-06	1.23E-06	2.32E-05	1.47E-04	1.79E-04	6.2E-08	1.9E-07	1.1E-07	9.8E-08	4.5E-08	1.6E-11	4.0E-10	2.0E-10	1.8E-10	5.6E-11	8.6E-10
149	642428.28	4291049.76	642428.28, 4291	0.85655	0.8565	0.85655	0.84469	7.12E-06	1.14E-06	2.14E-05	1.35E-04	1.65E-04	5.7E-08	1.7E-07	1.0E-07	9.1E-08	4.1E-08	1.5E-11	3.6E-10	1.9E-10	1.7E-10	5.2E-11	7.9E-10
150	641268.28	4291089.76	641268.28, 4291	2.74415	2.74449	2.74415	2.56385	2.28E-05	3.65E-06	6.84E-05	4.11E-04	5.06E-04	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	4.6E-11	1.1E-09	5.8E-10	5.2E-10	1.6E-10	2.4E-09
151	641308.28	4291089.76	641308.28, 4291	3.18526	3.18566	3.18526	2.97769	2.65E-05	4.24E-06	7.94E-05	4.77E-04	5.87E-04	2.0E-07	6.1E-07	3.6E-07	3.2E-07	1.5E-07	5.4E-11	1.3E-09	6.7E-10	6.1E-10	1.8E-10	2.8E-09
152	641348.28	4291089.76	641348.28, 4291	3.69961	3.70008	3.69961	3.46067	3.07E-05	4.92E-06	9.22E-05	5.55E-04	6.83E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	6.2E-11	1.5E-09	7.8E-10	7.0E-10	2.1E-10	3.3E-09
153	641388.28	4291089.76	641388.28, 4291	4.27442	4.27495	4.27442	3.99682	3.55E-05	5.68E-06	1.07E-04	6.41E-04	7.89E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	7.2E-11	1.7E-09	9.0E-10	8.1E-10	2.5E-10	3.8E-09
154	641428.28	4291089.76	641428.28, 4291	4.88513	4.88571	4.88513	4.55666	4.06E-05	6.50E-06	1.22E-04	7.30E-04	8.99E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	8.2E-11	2.0E-09	1.0E-09	9.3E-10	2.8E-10	4.3E-09
155	641468.28	4291089.76	641468.28, 4291	5.50531	5.50591	5.50531	5.10561	4.58E-05	7.32E-06	1.37E-04	8.18E-04	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	9.2E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
156	641508.28	4291089.76	641508.28, 4291	6.08236	6.08292	6.08236	5.59317	5.05E-05	8.09E-06	1.52E-04	8.97E-04	1.11E-03	3.8E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.0E-10	2.4E-09	1.3E-09	1.1E-09	3.5E-10	5.3E-09
157	641548.28	4291089.76	641548.28, 4291	6.5568	6.55729	6.5568	5.97314	5.45E-05	8.72E-06	1.63E-04	9.58E-04	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.7E-09
158	641588.28	4291089.76	641588.28, 4291	6.87518	6.87555	6.87518	6.21493	5.71E-05	9.14E-06	1.71E-04	9.96E-04	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.9E-10	5.9E-09
159	641628.28	4291089.76	641628.28, 4291	6.99534	6.99556	6.99534	6.30033	5.81E-05	9.30E-06	1.74E-04	1.01E-03	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
160	641668.28	4291089.76	641668.28, 4291	6.89268	6.89272	6.89268	6.21641	5.73E-05	9.17E-06	1.72E-04	9.97E-04	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.9E-10	5.9E-09
161	641708.28	4291089.76	641708.28, 4291	6.56909	6.56894	6.56909	5.95846	5.46E-05	8.73E-06	1.64E-04	9.55E-04	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.7E-09
162	641748.28	4291089.76	641748.28, 4291	6.06137	6.06107	6.06137	5.54686	5.04E-05	8.06E-06	1.51E-04	8.89E-04	1.10E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.0E-10	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.3E-09
163	641788.28	4291089.76	641788.28, 4291	5.43709	5.4367	5.43709	5.03314	4.52E-05	7.23E-06	1.36E-04	8.07E-04	9.95E-04	3.4E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	9.1E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
164	641828.28	4291089.76	641828.28, 4291	4.77022	4.76979	4.77022	4.4761	3.96E-05	6.34E-06	1.19E-04	7.18E-04	8.82E-04	3.1E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	8.1E-11	1.9E-09	1.0E-09	9.1E-10	2.8E-10	4.2E-09
165	641868.28	4291089.76	641868.28, 4291	4.13223	4.13182	4.13223	3.92939	3.43E-05	5.49E-06	1.03E-04	6.30E-04	7.73E-04	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	7.1E-11	1.7E-09	8.8E-10	8.0E-10	2.4E-10	3.7E-09
166	641908.28	4291089.76	641908.28, 4291	3.55748	3.55711	3.55748	3.41884	2.96E-05	4.73E-06	8.87E-05	5.48E-04	6.71E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09
167	641948.28	4291089.76	641948.28, 4291	3.06388	3.06355	3.06388	2.96415	2.55E-05	4.07E-06	7.64E-05	4.75E-04	5.81E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	5.3E-11	1.3E-09	6.6E-10	6.0E-10	1.8E-10	2.8E-09
168	641988.28	4291089.76	641988.28, 4291	2.65098	2.65071	2.65098	2.57404	2.20E-05	3.52E-06	6.61E-05	4.13E-04	5.04E-04	1.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	4.6E-11	1.1E-09	5.7E-10	5.2E-10	1.6E-10	2.4E-09
169	642028.28	4291089.76	642028.28, 4291	2.30662	2.3064	2.30662	2.24523	1.92E-05	3.07E-06	5.75E-05	3.60E-04	4.40E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.0E-11	9.7E-10	5.0E-10	4.5E-10	1.4E-10	2.1E-09
170	642068.28	4291089.76	642068.28, 4291	2.02288	2.02269	2.02288	1.97392	1.68E-05	2.69E-06	5.04E-05	3.16E-04	3.86E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	3.5E-11	8.5E-10	4.4E-10	4.0E-10	1.2E-10	1.8E-09
171	642108.28	4291089.76	642108.28, 4291	1.79137	1.79122	1.79137	1.75275	1.49E-05	2.38E-06	4.47E-05	2.81E-04	3.43E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.1E-11	7.6E-10	3.9E-10	3.5E-10	1.1E-10	1.6E-09
172	642148.28	4291089.76	642148.28, 4291	1.59332	1.59319	1.59332	1.56438	1.32E-05	2.12E-06	3.97E-05	2.51E-04	3.06E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	2.8E-11	6.8E-10	3.5E-10	3.2E-10	9.5E-11	1.5E-09
173	641268.28	4291129.76	641268.28, 4291	2.72137	2.72169	2.72137	2.55448	2.26E-05	3.62E-06	6.78E-05	4.10E-04	5.04E-04	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	4.6E-11	1.1E-09	5.7E-10	5.2E-10	1.6E-10	2.4E-09
174	641308.28	4291129.76	641308.28, 4291	3.12601	3.12638	3.12601	2.9389	2.60E-05	4.16E-06	7.79E-05	4.71E-04	5.79E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.4E-07	5.3E-11	1.3E-09	6.6E-10	6.0E-10	1.8E-10	2.8E-09
175	641348.28	4291129.76	641348.28, 4291	3.58287	3.58329	3.58287	3.37134	2.98E-05	4.76E-06	8.93E-05	5.40E-04	6.64E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	6.1E-11	1.5E-09	7.6E-10	6.8E-10	2.1E-10	3.2E-09
176	641388.28	4291129.76	641388.28, 4291	4.07335	4.07381	4.07335	3.8297	3.39E-05	5.42E-06	1.02E-04	6.14E-04	7.55E-04	2.6E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	6.9E-11	1.7E-09	8.6E-10	7.8E-10	2.4E-10	3.6E-09
177	641428.28	4291129.76	641428.28, 4291	4.57051	4.57098	4.57051	4.28362	3.80E-05	6.08E-06	1.14E-04	6.87E-04	8.45E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	7.7E-11	1.9E-09	9.6E-10	8.7E-10	2.6E-10	4.0E-09
178	641468.28	4291129.76	641468.28, 4291	5.05377	5.05424	5.05377	4.70726	4.20E-05	6.72E-06	1.26E-04	7.55E-04	9.29E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.4E-09
179	641508.28	4291129.76	641508.28, 4291	5.48275	5.48318	5.48275	5.06511	4.56E-05	7.29E-06	1.37E-04	8.12E-04	1.00E-03	3.5E-07	1.0E-06	6.1E-07	5.5E-07	2.5E-07	9.2E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
180	641548.28	4291129.76	641548.28, 4291	5.81578	5.81614	5.81578	5.32842	4.83E-05	7.73E-06	1.45E-04	8.54E-04	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	9.6E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
181	641588.28	4291129.76	641588.28, 4291	6.01926	6.01952	6.01926	5.48092	5.00E-05	8.00E-06	1.50E-04	8.79E-04	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	9.9E-11	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
182	641628.28	4291129.76	641628.28, 4291	6.06907	6.06921	6.06907	5.51307	5.04E-05	8.07E-06	1.51E-04	8.84E-04	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.0E-10	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
183	641668.28	4291129.76	641668.28, 4291	5.95295	5.95295	5.95295	5.4168	4.95E-05	7.92E-06	1.48E-04	8.68E-04	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	9.8E-11	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.1E-09
184	641708.28	4291129.76	641708.28, 4291	5.67563	5.6755	5.67563	5.18973	4.72E-05	7.55E-06	1.42E-04	8.32E-04	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	9.4E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
185	641748.28	4291129.76	641748.28, 4291	5.26449	5.26425	5.26449	4.84829	4.38E-05	7.00E-06	1.31E-04	7.77E-04	9.59E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	8.8E-11	2.1E-09	1.1E-09	9.9E-10	3.0E-10	4.6E-09
186	641788.28	4291129.76	641788.28, 4291	4.76674	4.76642	4.76674	4.43084	3.96E-05	6.34E-06	1.19E-04	7.10E-04	8.75E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	8.0E-11	1.9E-09	1.0E-09	9.0E-10	2.7E-10	4.2E-09
187	641828.28	4291129.76	641828.28, 4291	4.2341	4.23376	4.2341	3.98042	3.52E-05	5.63E-06	1.06E-04	6.38E-04	7.84E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	7.2E-11	1.7E-09	8.9E-10	8.1E-10	2.4E-10	3.7E-09
188	641868.28	4291129.76	641868.28, 4291	3.71645	3.71611	3.71645	3.53493	3.09E-05	4.94E-06	9.27E-05	5.67E-04	6.95E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	6.4E-11	1.5E-09	7.9E-10	7.2E-10	2.2E-10	3.3E-09
189	641908.28	4291129.76	641908.28, 4291	3.24024	3.23993	3.24024	3.11285	2.69E-05	4.31E-06	8.08E-05	4.99E-04	6.11E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	5.6E-11	1.3E-09	6.9E-10	6.3E-10	1.9E-10	2.9E-09
190	641948.28	4291129.76	641948.28, 4291	2.82192	2.82164	2.82192	2.72922	2.35E-05	3.75E-06	7.04E-05	4.38E-04	5.35E-04	1.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	4.9E-11	1.2E-09	6.1E-10	5.5E-10	1.7E-10	2.6E-09
191	641988.28	4291129.76	641988.28, 4291	2.4632	2.46296	2.4632	2.39129	2.05E-05	3.28E-06	6.14E-05	3.83E-04	4.69E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.3E-11	1.0E-09	5.3E-10	4.8E-10	1.5E-10	2.2E-09
192	642028.28	4291129.76	642028.28, 4291	2.16064	2.16044	2.16064	2.1021	1.80E-05	2.87E-06	5.39E-05	3.37E-04	4.12E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	3.8E-11	9.1E-10	4.7E-10	4.2E-10	1.3E-10	2.0E-09
193	642068.28	4291129.76	642068.28, 4291	1.90738	1.90721	1.90738	1.8592	1.59E-05	2.54E-06	4.76E-05	2.98E-04	3.64E-04	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	3.3E-11	8.0E-10	4.1E-10	3.8E-10	1.1E-10	1.7E-09
194	642108.28	4291129.76	642108.28, 4291	1.69516	1.69501	1.69516	1.6562	1.41E-05	2.25E-06	4.23E-05	2.66E-04	3.24E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.0E-11	7.2E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
195	642148.28	4291129.76	642148.28, 4291	1.51587	1.51575	1.51587	1.4853	1.26E-05	2.02E-06	3.78E-05	2.38E-04	2.91E-04	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	2.7E-11	6.4E-10	3.3E-10	3.0E-10	9.1E-11	1.4E-09
196	641374.56	4290226.75	641374.56, 4290	1.9202	1.92033	1.9202	1.99745	1.60E-05	2.55E-06	4.79E-05	3.20E-04	3.87E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	3.5E-11	8.5E-10	4.4E-10	4.0E-10	1.2E-10	1.8E-09
197	641414.56	4290226.75	641414.56, 4290	2.12362	2.12376	2.12362	2.23344	1.76E-05	2.82E-06	5.29E-05	3.58E-04	4.31E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	3.9E-11	9.5E-10	4.9E-10	4.4E-10	1.3E-10	2.1E-09
198	641454.56	4290226.75	641454.56, 4290	2.34657	2.34671	2.34657	2.4968	1.95E-05	3.12E-06	5.85E-05	4.00E-04	4.81E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.4E-11	1.1E-09	5.5E-10	5.0E-10	1.5E-10	2.3E-09
199	641494.56	4290226.75	641494.56, 4290	2.58635	2.5865	2.58635	2.78458	2.15E-05	3.44E-06	6.45E-05	4.46E-04	5.36E-04	1.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	4.9E-11	1.2E-09	6.1E-10	5.5E-10	1.7E-10	2.6E-09
200	641534.56	4290226.75	641534.56, 4290	2.84231	2.84245	2.84231	3.09444	2.36E-05	3.78E-06	7.09E-05	4.96E-04	5.94E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	5.4E-11	1.3E-09	6.8E-10	6.1E-10	1.9E-10	2.8E-09
201	641574.56	4290226.75	641574.56, 4290	3.11474	3.11488	3.11474	3.42974	2.59E-05	4.14E-06	7.77E-05	5.50E-04	6.58E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.0E-11	1.5E-09	7.5E-10	6.8E-10	2.1E-10	3.1E-09
202	641614.56	4290226.75	641614.56, 4290	3.40041	3.40054	3.40041	3.79303	2.83E-05	4.52E-06	8.48E-05	6.08E-04	7.26E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	6.6E-11	1.6E-09	8.3E-10	7.5E-10	2.3E-10	3.5E-09
203	641654.56	4290226.75	641654.56, 4290	3.70073	3.70084	3.70073	4.18345	3.08E-05	4.92E-06	9.23E-05	6.71E-04	7.99E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	7.3E-11	1.8E-09	9.1E-10	8.2E-10	2.5E-10	3.8E-09
204	641694.56	4290226.75	641694.56, 4290	4.01404	4.01415	4.01404	4.57345	3.34E-05	5.34E-06	1.00E-04	7.33E-04	8.72E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	8.0E-11	1.9E-09	9.9E-10	9.0E-10	2.7E-10	4.2E-09

205	641734.56	4290226.75	641734.56, 4290	4.35305	4.35319	4.35305	4.95948	3.62E-05	5.79E-06	1.09E-04	7.95E-04	9.46E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	8.6E-11	2.1E-09	1.1E-09	9.7E-10	3.0E-10	4.5E-09
206	641774.56	4290226.75	641774.56, 4290	4.7636	4.76377	4.7636	5.43209	3.96E-05	6.33E-06	1.19E-04	8.71E-04	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
207	641814.56	4290226.75	641814.56, 4290	5.22719	5.22735	5.22719	6.05768	4.34E-05	6.95E-06	1.30E-04	9.71E-04	1.15E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.1E-10	2.5E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
208	641854.56	4290226.75	641854.56, 4290	5.61167	5.61167	5.61167	6.69729	4.66E-05	7.46E-06	1.40E-04	1.07E-03	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.2E-10	2.8E-09	1.4E-09	1.3E-09	4.0E-10	6.1E-09
209	641894.56	4290226.75	641894.56, 4290	5.75285	5.75263	5.75285	7.0178	4.78E-05	7.65E-06	1.43E-04	1.13E-03	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.1E-10	6.3E-09
210	641934.56	4290226.75	641934.56, 4290	5.58543	5.58501	5.58543	6.81656	4.64E-05	7.43E-06	1.39E-04	1.09E-03	1.29E-03	4.5E-07	1.3E-06	7.8E-07	7.1E-07	3.2E-07	1.2E-10	2.8E-09	1.5E-09	1.3E-09	4.0E-10	6.1E-09
211	641974.56	4290226.75	641974.56, 4290	5.179	5.17847	5.179	6.21273	4.30E-05	6.89E-06	1.29E-04	9.96E-04	1.18E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.6E-09
212	642014.56	4290226.75	642014.56, 4290	4.65363	4.65309	4.65363	5.44943	3.87E-05	6.19E-06	1.16E-04	8.74E-04	1.03E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
213	642054.56	4290226.75	642054.56, 4290	4.10564	4.10514	4.10564	4.69249	3.41E-05	5.46E-06	1.02E-04	7.52E-04	8.94E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	8.2E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.3E-09
214	642094.56	4290226.75	642094.56, 4290	3.5901	3.58966	3.5901	4.01284	2.98E-05	4.77E-06	8.95E-05	6.43E-04	7.67E-04	2.7E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.7E-09
215	642134.56	4290226.75	642134.56, 4290	3.1313	3.13093	3.1313	3.4313	2.60E-05	4.16E-06	7.81E-05	5.50E-04	6.58E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.0E-11	1.5E-09	7.5E-10	6.8E-10	2.1E-10	3.1E-09
216	642174.56	4290226.75	642174.56, 4290	2.73289	2.73257	2.73289	2.94366	2.27E-05	3.63E-06	6.81E-05	4.72E-04	5.66E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.2E-11	1.3E-09	6.4E-10	5.8E-10	1.8E-10	2.7E-09
217	642214.56	4290226.75	642214.56, 4290	2.38913	2.38886	2.38913	2.536	1.99E-05	3.18E-06	5.96E-05	4.07E-04	4.89E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	4.5E-11	1.1E-09	5.6E-10	5.0E-10	1.5E-10	2.3E-09
218	642254.56	4290226.75	642254.56, 4290	2.0968	2.09658	2.0968	2.19836	1.74E-05	2.79E-06	5.23E-05	3.52E-04	4.25E-04	1.5E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	3.9E-11	9.4E-10	4.8E-10	4.4E-10	1.3E-10	2.0E-09
219	642294.56	4290226.75	642294.56, 4290	1.84992	1.84973	1.84992	1.91933	1.54E-05	2.46E-06	4.61E-05	3.08E-04	3.72E-04	1.3E-07	3.9E-07	2.2E-07	2.0E-07	9.3E-08	3.4E-11	8.2E-10	4.2E-10	3.8E-10	1.2E-10	1.8E-09
220	642334.56	4290226.75	642334.56, 4290	1.64037	1.64021	1.64037	1.68691	1.36E-05	2.18E-06	4.09E-05	2.70E-04	3.27E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	3.0E-11	7.2E-10	3.7E-10	3.4E-10	1.0E-10	1.6E-09
221	642374.56	4290226.75	642374.56, 4290	1.46042	1.46029	1.46042	1.49084	1.21E-05	1.94E-06	3.64E-05	2.39E-04	2.89E-04	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.2E-08	2.6E-11	6.4E-10	3.3E-10	3.0E-10	9.0E-11	1.4E-09
222	642414.56	4290226.75	642414.56, 4290	1.30668	1.30657	1.30668	1.32599	1.09E-05	1.74E-06	3.26E-05	2.13E-04	2.58E-04	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.4E-11	5.7E-10	2.9E-10	2.7E-10	8.0E-11	1.2E-09
223	642454.56	4290226.75	642454.56, 4290	1.17547	1.17537	1.17547	1.18734	9.77E-06	1.56E-06	2.93E-05	1.90E-04	2.31E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
224	642494.56	4290226.75	642494.56, 4290	1.06247	1.06239	1.06247	1.06954	8.83E-06	1.41E-06	2.65E-05	1.71E-04	2.08E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	1.9E-11	4.6E-10	2.4E-10	2.1E-10	6.5E-11	1.0E-09
225	642534.56	4290226.75	642534.56, 4290	0.96484	0.96477	0.96484	0.96894	8.02E-06	1.28E-06	2.41E-05	1.55E-04	1.89E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	1.7E-11	4.2E-10	2.1E-10	1.9E-10	5.9E-11	9.0E-10
226	642574.56	4290226.75	642574.56, 4290	0.88	0.87994	0.88	0.88233	7.31E-06	1.17E-06	2.19E-05	1.41E-04	1.72E-04	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	1.6E-11	3.8E-10	2.0E-10	1.8E-10	5.4E-11	8.2E-10
227	642614.56	4290226.75	642614.56, 4290	0.80701	0.80696	0.80701	0.80836	6.71E-06	1.07E-06	2.01E-05	1.30E-04	1.57E-04	5.5E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.4E-11	3.5E-10	1.8E-10	1.6E-10	4.9E-11	7.5E-10
228	641374.56	4290266.75	641374.56, 4290	2.09724	2.0974	2.09724	2.16744	1.74E-05	2.79E-06	5.23E-05	3.47E-04	4.20E-04	1.5E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	3.8E-11	9.3E-10	4.8E-10	4.3E-10	1.3E-10	2.0E-09
229	641414.56	4290266.75	641414.56, 4290	2.34911	2.34928	2.34911	2.45673	1.95E-05	3.12E-06	5.86E-05	3.94E-04	4.75E-04	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.3E-11	1.0E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
230	641454.56	4290266.75	641454.56, 4290	2.62794	2.62812	2.62794	2.78733	2.18E-05	3.49E-06	6.55E-05	4.47E-04	5.38E-04	1.9E-07	5.6E-07	3.3E-07	2.9E-07	1.3E-07	4.9E-11	1.2E-09	6.1E-10	5.5E-10	1.7E-10	2.6E-09
231	641494.56	4290266.75	641494.56, 4290	2.93458	2.93477	2.93458	3.159	2.44E-05	3.90E-06	7.32E-05	5.06E-04	6.08E-04	2.1E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	5.6E-11	1.3E-09	6.9E-10	6.3E-10	1.9E-10	2.9E-09
232	641534.56	4290266.75	641534.56, 4290	3.2698	3.26999	3.2698	3.57206	2.72E-05	4.35E-06	8.15E-05	5.73E-04	6.86E-04	2.4E-07	7.2E-07	4.1E-07	3.8E-07	1.7E-07	6.3E-11	1.5E-09	7.8E-10	7.1E-10	2.1E-10	3.3E-09
233	641574.56	4290266.75	641574.56, 4290	3.63613	3.63633	3.63613	4.0301	3.02E-05	4.84E-06	9.07E-05	6.46E-04	7.72E-04	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	7.1E-11	1.7E-09	8.8E-10	8.0E-10	2.4E-10	3.7E-09
234	641614.56	4290266.75	641614.56, 4290	4.03153	4.03172	4.03153	4.53839	3.35E-05	5.36E-06	1.01E-04	7.28E-04	8.67E-04	3.0E-07	9.1E-07	5.2E-07	4.8E-07	2.2E-07	7.9E-11	1.9E-09	9.9E-10	8.9E-10	2.7E-10	4.1E-09
235	641654.56	4290266.75	641654.56, 4290	4.44416	4.44433	4.44416	5.08726	3.69E-05	5.91E-06	1.11E-04	8.16E-04	9.69E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	8.9E-11	2.1E-09	1.1E-09	1.0E-09	3.0E-10	4.6E-09
236	641694.56	4290266.75	641694.56, 4290	4.86504	4.86521	4.86504	5.63623	4.04E-05	6.47E-06	1.21E-04	9.04E-04	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	9.8E-11	2.4E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
237	641734.56	4290266.75	641734.56, 4290	5.33816	5.33836	5.33816	6.1975	4.44E-05	7.10E-06	1.33E-04	9.94E-04	1.18E-03	4.1E-07	1.2E-06	7.1E-07	6.5E-07	2.9E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.6E-09
238	641774.56	4290266.75	641774.56, 4290	5.91818	5.91843	5.91818	6.89832	4.92E-05	7.87E-06	1.48E-04	1.11E-03	1.31E-03	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.1E-10	6.3E-09
239	641814.56	4290266.75	641814.56, 4290	6.53694	6.53711	6.53694	7.80688	5.43E-05	8.69E-06	1.63E-04	1.25E-03	1.48E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.6E-10	7.1E-09
240	641854.56	4290266.75	641854.56, 4290	6.95565	6.95553	6.95565	8.58621	5.78E-05	9.25E-06	1.73E-04	1.38E-03	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.0E-07	1.5E-10	3.6E-09	1.8E-09	1.7E-09	5.0E-10	7.7E-09
241	641894.56	4290266.75	641894.56, 4290	6.94817	6.94771	6.94817	8.69338	5.77E-05	9.24E-06	1.73E-04	1.39E-03	1.63E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.8E-09
242	641934.56	4290266.75	641934.56, 4290	6.51816	6.51748	6.51816	8.04641	5.42E-05	8.67E-06	1.63E-04	1.29E-03	1.52E-03	5.2E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	1.4E-10	3.3E-09	1.7E-09	1.6E-09	4.7E-10	7.2E-09
243	641974.56	4290266.75	641974.56, 4290	5.83974	5.839	5.83974	7.01162	4.85E-05	7.76E-06	1.46E-04	1.12E-03	1.33E-03	4.6E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.1E-10	6.3E-09
244	642014.56	4290266.75	642014.56, 4290	5.09213	5.09143	5.09213	5.93367	4.23E-05	6.77E-06	1.27E-04	9.51E-04	1.13E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.5E-10	5.4E-09
245	642054.56	4290266.75	642054.56, 4290	4.38331	4.38271	4.38331	4.96917	3.64E-05	5.83E-06	1.09E-04	7.97E-04	9.48E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	8.7E-11	2.1E-09	1.1E-09	9.8E-10	3.0E-10	4.5E-09
246	642094.56	4290266.75	642094.56, 4290	3.76034	3.75984	3.76034	4.16125	3.13E-05	5.00E-06	9.38E-05	6.67E-04	7.97E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	7.3E-11	1.8E-09	9.1E-10	8.2E-10	2.5E-10	3.8E-09
247	642134.56	4290266.75	642134.56, 4290	3.23046	3.23004	3.23046	3.50159	2.68E-05	4.30E-06	8.05E-05	5.61E-04	6.73E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	6.2E-11	1.5E-09	7.7E-10	6.9E-10	2.1E-10	3.2E-09
248	642174.56	4290266.75	642174.56, 4290	2.78453	2.78419	2.78453	2.96604	2.31E-05	3.70E-06	6.94E-05	4.75E-04	5.72E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	5.2E-11	1.3E-09	6.5E-10	5.9E-10	1.8E-10	2.7E-09
249	642214.56	4290266.75	642214.56, 4290	2.4103	2.41002	2.4103	2.53039	2.00E-05	3.20E-06	6.01E-05	4.06E-04	4.89E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	4.5E-11	1.1E-09	5.6E-10	5.0E-10	1.5E-10	2.3E-09
250	642254.56	4290266.75	642254.56, 4290	2.09789	2.09766	2.09789	2.17621	1.74E-05	2.79E-06	5.23E-05	3.49E-04	4.21E-04	1.5E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	3.9E-11	9.3E-10	4.8E-10	4.3E-10	1.3E-10	2.0E-09
251	642294.56	4290266.75	642294.56, 4290	1.83945	1.83926	1.83945	1.8897	1.53E-05	2.45E-06	4.59E-05	3.03E-04	3.67E-04	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	3.4E-11	8.1E-10	4.2E-10	3.8E-10	1.1E-10	1.8E-09
252	642334.56	4290266.75	642334.56, 4290	1.62351	1.62335	1.62351	1.65513	1.35E-05	2.16E-06	4.05E-05	2.65E-04	3.21E-04	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.0E-08	2.9E-11	7.1E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
253	642374.56	4290266.75	642374.56, 4290	1.44068	1.44054	1.44068	1.4602	1.20E-05	1.92E-06	3.59E-05	2.34E-04	2.84E-04	9.8E-08	3.0E-07	1.7E-07	1.6E-07	7.1E-08	2.6E-11	6.3E-10	3.2E-10	2.9E-10	8.9E-11	1.4E-09
254	642414.56	4290266.75	642414.56, 4290	1.28614	1.28602	1.28614	1.29804	1.07E-05	1.71E-06	3.21E-05	2.08E-04	2.53E-04	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.3E-11	5.6E-10	2.9E-10	2.6E-10	7.9E-11	1.2E-09
255	642454.56	4290266.75	642454.56, 4290	1.15601	1.15592	1.15601	1.16329	9.61E-06	1.54E-06	2.88E-05	1.86E-04	2.26E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.1E-11	1.1E-09
256	642494.56	4290266.75	642494.56, 4290	1.04478	1.0447	1.04478	1.04932	8.68E-06	1.39E-06	2.60E-05	1.68E-04	2.04E-04	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	1.9E-11	4.5E-10	2.3E-10	2.1E-10	6.4E-11	9.8E-10
257	642534.56	4290266.75	642534.56, 4290	0.94915	0.94908	0.94915	0.95213	7.89E-06	1.26E-06	2.37E-05	1.53E-04	1.85E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.7E-11	4.1E-10	2.1E-10	1.9E-10	5.8E-11	8.9E-10
258	642574.56	4290266.75	642574.56, 4290	0.86592	0.86586	0.86592	0.86801	7.20E-06	1.15E-06	2.16E-05	1.39E-04	1.69E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	1.5E-11	3.7E-10	1.9E-10	1.7E-10	5.3E-11	8.1E-10
259	642614.56	4290266.75	642614.56, 4290	0.79436	0.79431	0.79436	0.79593	6.60E-06	1.06E-06	1.98E-05	1.28E-04	1.55E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.4E-11	3.4E-10	1.8E-10	1.6E-10	4.8E-11	7.4E-10
260	641374.56	4290306.75	641374.56, 4290	2.28677	2.28696	2.28677	2.34261	1.90E-05	3.04E-06	5.70E-05	3.76E-04	4.55E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.2E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
261	641414.56	4290306.75	641414.56, 4290	2.59667	2.59689	2.59667	2.69305	2.16E-05	3.45E-06	6.47E-05	4.32E-04	5.21E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	4.8E-11	1.2E-09	5.9E-10	5.4E-10	1.6E-10	2.5E-09
262	641454.56	4290306.75	641454.56, 4290	2.94841	2.94865	2.94841	3.10629	2.45E-05	3.92E-06	7.35E-05	4.98E-04	6.00E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	5.5E-11	1.3E-09	6.8E-10	6.2E-10	1.9E-10	2.9E-09
263	641494.56	4290306.75	641494.56, 4290	3.34903	3.34929	3.34903	3.5928	2.78E-05	4.45E-06	8.35E-05	5.76E-04	6.92E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	6.3E-11	1.5E-09	7.9E-10	7.1E-10	2.2E-10	3.3E-09
264	641534.56	4290306.75	641534.56, 4290	3.80137	3.80165	3.80137	4.15811	3.16E-05	5.06E-06	9.48E-05	6.67E-04	7.98E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	7.3E-11	1.8E-09	9.1E-10	8.2E-10	2.5E-10	3.8E-09
265	641574.56	4290306.75	641574.56, 4290	4.30717	4.30745	4.30717	4.80315	3.58E-05	5.73E-06	1.07E-04	7.70E-04	9.19E-04	3.2E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	8.4E-11	2.0E-09	1.0E-09	9.5E-10	2.9E-10	4.4E-09
266	641614.56	4290306.75	641614.56, 4290	4.85124	4.85152	4.85124	5.51733	4.03E-05	6.45E-06	1.21E-04	8.84E-04	1.05E-03	3.6E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	9.6E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
267	641654.56	4290306.75	641654.56, 4290	5.42595	5.42621	5.42595	6.30647	4.51E-05	7.22E-06	1.35E-04	1.01E-03	1.20E-03	4.1E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.1E-10	2.6E-09	1.4E-09	1.2E-09	3.7E-10	5.7E-09
268	641694.56	4290306.75	641694.56, 4290	6.03471	6.03495	6.03471	7.13858	5.02E-05	8.02E-06	1.50E-04	1.14E-03	1.35E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.5E-09
269	641734.56	4290306.75	641734.56, 4290	6.7218	6.72209	6.7218	7.99779	5.59E-05	8.94E-06	1.68E-04	1.28E-03	1.51E-03	5.2E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	1.4E-10	3.3E-09	1.7E-09	1.6E-09	4.7E-10	7.2E-09
270	641774.56	4290306.75	641774.56, 4290	7.55506	7.55541	7.55506	9.07311	6.28E-05	1.00E-05	1.88E-04	1.45E-03	1.72E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.2E-09
271	641814.56	4290306.75	641814.56, 4290	8.38435	8.38447	8.38435	10.42154	6.97E-05	1.11E-05	2.09E-04	1.67E-03	1.96E-03	6.8E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.4E-09
272	641854.56	4290306.75	641854.56, 4290	8.75646	8.75605	8.75646	11.23762	7.28E-05	1.16E-05	2.18E-04	1.80E-03	2.10E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
273	641894.56	4290306.75	641894.56, 4290	8.41812	8.41726	8.41812	10.77216	7.00E-05	1.12E-05	2.10E-04	1.73E-03	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	1.8E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
274	641934.56	4290306.75	641934.56, 4290	7.55883	7.55779	7.55883	9.38371	6.28E-05	1.00E-05	1.88E-04	1.50E-03	1.77E-03	6.1E-07	1.8E-06	1.1E-06	9.7E-07	4.4E-07	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.4E-09
275	641974.56	4290306.75	641974.56, 4290	6.50969	6.50869	6.50969	7.78286	5.41E-05	8.65E-06	1.62E-04	1.25E-03	1.47E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.3E-10	3.3E-09	1.7E-09	1.5E-09	4.6E-10	7.0E-09
276	642014.56	4290306.75	642014.56, 4290	5.49685	5.496	5.49685	6.34577	4.57E-05	7.31E-06	1.37E-04	1.02E-03	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.8E-09
277	642054.56	4290306.75	642054.56, 4290	4.61508	4.61438	4.61508	5.16849	3.84E-05	6.14E-06	1.15E-04	8.29E-04	9.88E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	9.0E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.7E-09
278	642094.56	4290306.75	642094.56, 4290	3.88668	3.88612	3.88668	4.243	3.23E-05	5.17E-06	9.69E-05	6.80E-04	8.15E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	7.4E-11	1.8E-09	9.3E-10	8.4E-10	2.5E-10	3.9E-09
279	642134.56	4290306.75	642134.56, 4290	3.28892	3.28847	3.28892	3.51548	2.73E-05	4.37E-06	8.20E-05	5.64E-04	6.77E-04	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	6.2E-11	1.5E-09	7.7E-10	7.0E-10	2.1E-10	3.2E-09
280	642174.56	4290306.75	642174.56, 4290	2.80177	2.80141	2.80177	2.94411	2.33E-05	3.73E-06	6.99E-05	4.72E-04	5.69E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.2E-11	1.3E-09	6.5E-10	5.9E-10	1.8E-10	2.7E-09
281	642214.56	4290306.75	642214.56, 4290	2.40479	2.4045	2.40479	2.49312	2.00E-05	3.20E-06	6.00E-05	4.00E-04	4.83E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.4E-11	1.1E-09	5.5E-10	5.0E-10	1.5E-10	2.3E-09
282	642254.56	4290306.75	642254.56, 4290	2.0804	2.08016	2.0804	2.13462	1.73E-05	2.77E-06	5.19E-05	3.42E-04	4.14E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	3.8E-11	9.1E-10	4.7E-10	4.3E-10	1.3E-10	2.0E-09
283	642294.56	4290306.75	642294.56, 4290	1.81535	1.81516	1.81535	1.84846	1.51E-05	2.41E-06	4.53E-05	2.96E-04	3.59E-04	1.2E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
284	642334.56	4290306.75	642334.56, 4290	1.59711	1.59695	1.59711	1.61742	1.33E-05	2.12E-06	3.98E-05	2.59E-04	3.15E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	2.9E-11	6.9E-10	3.6E-10	3.2E-10	9.8E-11	1.5E-09
285	642374.56	4290306.75	642374.56, 4290	1.41404	1.41391	1.41404	1.42671	1.18E-05	1.88E-06	3.53E-05	2.29E-04	2.78E-04	9.6E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.5E-11	6.1E-10	3.2E-10	2.9E-10	8.7E-11	1.3E-09
286	642414.56	4290306.75	642414.56, 4290	1.2615	1.26139	1.2615	1.26973	1.05E-05	1.68E-06	3.15E-05	2.04E-04	2.47E-04	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.3E-11	5.5E-10	2.8E-10	2.5E-10	7.7E-11	1.2E-09
287	642454.56	4290306.75	642454.56, 4290	1.13426	1.13416	1.13426	1.1399	9.43E-06	1.51E-06	2.83E-05	1.83E-04	2.22E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.6E-08	2.0E-11	4.9E-10	2.5E-10	2.3E-10	6.9E-11	1.1E-09
288	642494.56	4290306.75	642494.56, 4290	1.02591	1.02583	1.02591	1.03002	8.53E-06	1.36E-06	2.56E-05	1.65E-04	2.01E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	1.8E-11	4.4E-10	2.3E-10	2.1E-10	6.3E-11	9.6E-10
289	642534.56	4290306.75	642534.56, 4290	0.93288	0.93281	0.93288	0.93602	7.75E-06	1.24E-06	2.33E-05	1.50E-04	1.82E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.7E-11	4.0E-10	2.1E-10	1.9E-10	5.7E-11	8.7E-10
290	642574.56	4290306.75	642574.56, 4290	0.85209	0.85203	0.85209	0.85454	7.08E-06	1.13E-06	2.12E-05	1.37E-04	1.66E-04	5.8E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.5E-11	3.7E-10	1.9E-10	1.7E-10	5.2E-11	8.0E-10
291	642614.56	4290306.75	642614.56, 4290	0.76059	0.76054	0.76059	0.77783	6.32E-06	1.01E-06	1.90E-05	1.25E-04	1.51E-04	5.2E-08	1.6E-07	9.1E-08	8.3E-08	3.8E-08	1.4E-11	3.3E-10	1.7E-10	1.6E-10	4.7E-11	7.2E-10
292	641374.56	4290346.75	641374.56, 4290	2.48694	2.48718	2.48694	2.52166	2.07E-05	3.31E-06	6.20E-05	4.04E-04	4.90E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	4.5E-11	1.1E-09	5.6E-10	5.1E-10	1.5E-10	2.3E-09
293	641414.56	4290346.75	641414.56, 4290	2.86305	2.86333	2.86305	2.93638	2.38E-05	3.81E-06	7.14E-05	4.71E-04	5.70E-04	2.0E-07	6.0E-07	3.4E-07	3.1E-07	1.4E-07	5.2E-11	1.3E-09	6.5E-10	5.9E-10	1.8E-10	2.7E-09
294	641454.56	4290346.75	641454.56, 4290	3.31258	3.31291	3.31258	3.45177	2.75E-05	4.41E-06	8.26E-05	5.53E-04	6.68E-04	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09
295	641494.56	4290346.75	641494.56, 4290	3.84303	3.84339	3.84303	4.08768	3.19E-05	5.11E-06	9.58E-05	6.55E-04	7.88E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	7.2E-11	1.7E-09	9.0E-10	8.1E-10	2.5E-10	3.8E-09
296	641534.56	4290346.75	641534.56, 4290	4.45452	4.45492	4.45452	4.85733	3.70E-05	5.92E-06	1.11E-04	7.79E-04	9.33E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.5E-09
297	641574.56	4290346.75	641574.56, 4290	5.14702	5.14744	5.14702	5.76696	4.28E-05	6.84E-06	1.28E-04	9.25E-04	1.10E-03	3.8E-07	1.2E-06	6.7E-07	6.0E-07	2.8E-07	1.0E-10	2.4E-09	1.3E-09	1.1E-09	3.4E-10	5.3E-09
298	641614.56	4290346.75	641614.56, 4290	5.92906	5.92949	5.92906	6.82417	4.93E-05	7.88E-06	1.48E-04	1.09E-03	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.2E-10	2.9E-09	1.5E-09	1.3E-09	4.1E-10	6.2E-09
299	641654.56	4290346.75	641654.56, 4290	6.79285	6.79326	6.79285	8.03825	5.65E-05	9.03E-06	1.69E-04	1.29E-03	1.52E-03	5.3E-07	1.6E-06	9.2E-07	8.4E-07	3.8E-07	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.8E-10	7.3E-09
300	641694.56	4290346.75	641694.56, 4290	7.70925	7.70963	7.70925	9.36737	6.41E-05	1.03E-05	1.92E-04	1.50E-03	1.77E-03	6.1E-07	1.8E-06	1.1E-06	9.7E-07	4.4E-07	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.5E-09
301	641734.56	4290346.75	641734.56, 4290	8.74575	8.74622	8.74575	10.75745	7.27E-05	1.16E-05	2.18E-04	1.72E-03	2.03E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.7E-09
302	641774.56	4290346.75	641774.56, 4290	10.01809	10.01858	10.01809	12.54691	8.33E-05	1.33E-05	2.50E-04	2.01E-03	2.36E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.2E-10	5.2E-09	2.7E-09	2.4E-09	7.4E-10	1.1E-08
303	641814.56	4290346.75	641814.56, 4290	11.09559	11.0955	11.09559	14.54866	9.22E-05	1.48E-05	2.77E-04	2.33E-03	2.72E-03	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
304	641854.56	4290346.75	641854.56, 4290	11.16926	11.16826	11.16926	14.93706	9.28E-05	1.49E-05	2.78E-04	2.39E-03	2.78E-03	9.6E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	2.5E-10	6.1E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
305	641894.56	4290346.75	641894.56, 4290	10.15497	10.15346	10.15497	13.19741	8.44E-05	1.35E-05	2.53E-04	2.12E-03	2.47E-03	8.5E-07	2.6E-06	1.5E-06	1.4E-06	6.2E-07	2.3E-10	5.4E-09	2.8E-09	2.5E-09	7.7E-10	1.2E-08
306	641934.56	4290346.75	641934.56, 4290	8.63804	8.63654	8.63804	10.69808	7.18E-05	1.15E-05	2.15E-04	1.72E-03	2.01E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
307	641974.56	4290346.75	641974.56, 4290	7.1315	7.13021	7.1315	8.43398	5.93E-05	9.48E-06	1.78E-04	1.35E-03	1.60E-03	5.5E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.5E-10	3.5E-09	1.8E-09	1.6E-09	5.0E-10	7.6E-09
308	642014.56	4290346.75	642014.56, 4290	5.83421	5.83319	5.83421	6.63307	4.85E-05	7.76E-06	1.45E-04	1.06E-03	1.27E-03	4.4E-07	1.3E-06	7.7E-07	6.9E-07	3.2E-07	1.2E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
309	642054.56	4290346.75	642054.56, 4290	4.78242	4.78163	4.78242	5.2633	3.97E-05	6.36E-06	1.19E-04	8.44E-04	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	9.2E-11	2.2E-09	1.1E-09	1.0E-09	3.2E-10	4.8E-09
310	642094.56	4290346.75	642094.56, 4290	3.95358	3.95296	3.95358	4.23992	3.29E-05	5.26E-06	9.86E-05	6.80E-04	8.16E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	7.5E-11	1.8E-09	9.3E-10	8.4E-10	2.5E-10	3.9E-09
311	642134.56	4290346.75	642134.56, 4290	3.29718	3.2967	3.29718	3.4661	2.74E-05	4.38E-06	8.22E-05	5.56E-04	6.70E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09

312	642174.56	4290346.75	642174.56, 429(	2.78194	2.78157	2.78194	2.88153	2.31E-05	3.70E-06	6.94E-05	4.62E-04	5.58E-04	1.9E-07	5.8E-07	3.4E-07	3.1E-07	1.4E-07	5.1E-11	1.2E-09	6.3E-10	5.8E-10	1.7E-10	2.7E-09
313	642214.56	4290346.75	642214.56, 429(	2.37237	2.37208	2.37237	2.43143	1.97E-05	3.15E-06	5.91E-05	3.90E-04	4.72E-04	1.6E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	4.3E-11	1.0E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
314	642254.56	4290346.75	642254.56, 429(	2.04529	2.04506	2.04529	2.08101	1.70E-05	2.72E-06	5.10E-05	3.34E-04	4.04E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	3.7E-11	8.9E-10	4.6E-10	4.2E-10	1.3E-10	1.9E-09
315	642294.56	4290346.75	642294.56, 429(	1.7808	1.78061	1.7808	1.80318	1.48E-05	2.37E-06	4.44E-05	2.89E-04	3.51E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	3.2E-11	7.7E-10	4.0E-10	3.6E-10	1.1E-10	1.7E-09
316	642334.56	4290346.75	642334.56, 429(	1.56465	1.56449	1.56465	1.57937	1.30E-05	2.08E-06	3.90E-05	2.53E-04	3.07E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	2.8E-11	6.8E-10	3.5E-10	3.2E-10	9.6E-11	1.5E-09
317	642374.56	4290346.75	642374.56, 429(	1.38567	1.38555	1.38567	1.39591	1.15E-05	1.84E-06	3.45E-05	2.24E-04	2.72E-04	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.5E-11	6.0E-10	3.1E-10	2.8E-10	8.5E-11	1.3E-09
318	642414.56	4290346.75	642414.56, 429(	1.23688	1.23677	1.23688	1.24438	1.03E-05	1.64E-06	3.08E-05	1.99E-04	2.42E-04	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.1E-08	2.2E-11	5.3E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
319	642454.56	4290346.75	642454.56, 429(	1.11279	1.1127	1.11279	1.11849	9.25E-06	1.48E-06	2.77E-05	1.79E-04	2.18E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.0E-11	4.8E-10	2.5E-10	2.2E-10	6.8E-11	1.0E-09
320	642494.56	4290346.75	642494.56, 429(	1.00744	1.00736	1.00744	1.01185	8.37E-06	1.34E-06	2.51E-05	1.62E-04	1.97E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	1.8E-11	4.4E-10	2.2E-10	2.0E-10	6.2E-11	9.4E-10
321	642534.56	4290346.75	642534.56, 429(	0.91703	0.91697	0.91703	0.92041	7.62E-06	1.22E-06	2.29E-05	1.48E-04	1.79E-04	6.2E-08	1.9E-07	1.1E-07	9.8E-08	4.5E-08	1.6E-11	4.0E-10	2.0E-10	1.8E-10	5.6E-11	8.6E-10
322	642574.56	4290346.75	642574.56, 429(	0.83849	0.83844	0.83849	0.84102	6.97E-06	1.11E-06	2.09E-05	1.35E-04	1.64E-04	5.7E-08	1.7E-07	9.9E-08	9.0E-08	4.1E-08	1.5E-11	3.6E-10	1.9E-10	1.7E-10	5.1E-11	7.8E-10
323	642614.56	4290346.75	642614.56, 429(	0.74052	0.74048	0.74052	0.75743	6.15E-06	9.85E-07	1.85E-05	1.21E-04	1.47E-04	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.6E-11	7.0E-10
324	641374.56	4290386.75	641374.56, 429(	2.69188	2.69217	2.69188	2.70607	2.24E-05	3.58E-06	6.71E-05	4.34E-04	5.27E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	4.8E-11	1.2E-09	6.0E-10	5.4E-10	1.6E-10	2.5E-09
325	641414.56	4290386.75	641414.56, 429(	3.14389	3.14425	3.14389	3.18582	2.61E-05	4.18E-06	7.84E-05	5.11E-04	6.19E-04	2.1E-07	6.5E-07	3.7E-07	3.4E-07	1.6E-07	5.7E-11	1.4E-09	7.0E-10	6.4E-10	1.9E-10	3.0E-09
326	641454.56	4290386.75	641454.56, 429(	3.70633	3.70677	3.70633	3.80582	3.08E-05	4.93E-06	9.24E-05	6.10E-04	7.38E-04	2.6E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	6.7E-11	1.6E-09	8.4E-10	7.6E-10	2.3E-10	3.5E-09
327	641494.56	4290386.75	641494.56, 429(	4.39302	4.39354	4.39302	4.60813	3.65E-05	5.84E-06	1.10E-04	7.39E-04	8.91E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	8.1E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.3E-09
328	641534.56	4290386.75	641534.56, 429(	5.23528	5.23586	5.23528	5.65119	4.35E-05	6.96E-06	1.31E-04	9.06E-04	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	9.9E-11	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
329	641574.56	4290386.75	641574.56, 429(	6.24926	6.24991	6.24926	6.98551	5.19E-05	8.31E-06	1.56E-04	1.12E-03	1.34E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
330	641614.56	4290386.75	641614.56, 429(	7.43023	7.43092	7.43023	8.63095	6.18E-05	9.88E-06	1.85E-04	1.38E-03	1.64E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.8E-09
331	641654.56	4290386.75	641654.56, 429(	8.77093	8.77161	8.77093	10.60296	7.29E-05	1.17E-05	2.19E-04	1.70E-03	2.00E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
332	641694.56	4290386.75	641694.56, 429(	10.22739	10.22804	10.22739	12.87854	8.50E-05	1.36E-05	2.55E-04	2.06E-03	2.42E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.2E-08
333	641734.56	4290386.75	641734.56, 429(	11.90632	11.90712	11.90632	15.344	9.89E-05	1.58E-05	2.97E-04	2.46E-03	2.87E-03	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.2E-07	2.6E-10	6.3E-09	3.3E-09	3.0E-09	9.0E-10	1.4E-08
334	641774.56	4290386.75	641774.56, 429(	13.94789	13.94852	13.94789	18.59391	1.16E-04	1.85E-05	3.48E-04	2.98E-03	3.46E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.7E-07	3.2E-10	7.6E-09	3.9E-09	3.6E-09	1.1E-09	1.7E-08
335	641814.56	4290386.75	641814.56, 429(	15.1877	15.18691	15.1877	21.34621	1.26E-04	2.02E-05	3.79E-04	3.42E-03	3.95E-03	1.4E-06	4.1E-06	2.4E-06	2.2E-06	9.9E-07	3.6E-10	8.7E-09	4.5E-09	4.1E-09	1.2E-09	1.9E-08
336	641854.56	4290386.75	641854.56, 429(	14.34365	14.34148	14.34365	19.90721	1.19E-04	1.91E-05	3.58E-04	3.19E-03	3.69E-03	1.3E-06	3.9E-06	2.2E-06	2.0E-06	9.2E-07	3.4E-10	8.1E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
337	641894.56	4290386.75	641894.56, 429(	12.0861	12.08365	12.0861	15.76425	1.00E-04	1.61E-05	3.01E-04	2.53E-03	2.95E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	2.7E-10	6.5E-09	3.3E-09	3.0E-09	9.2E-10	1.4E-08
338	641934.56	4290386.75	641934.56, 429(	9.6599	9.65784	9.6599	11.81022	8.03E-05	1.28E-05	2.41E-04	1.89E-03	2.23E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	2.0E-10	4.9E-09	2.5E-09	2.3E-09	7.0E-10	1.1E-08
339	641974.56	4290386.75	641974.56, 429(	7.62302	7.62145	7.62302	8.83262	6.34E-05	1.01E-05	1.90E-04	1.42E-03	1.68E-03	5.8E-07	1.8E-06	1.0E-06	9.2E-07	4.2E-07	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	8.0E-09
340	642014.56	4290386.75	642014.56, 429(	6.04912	6.04796	6.04912	6.71828	5.03E-05	8.04E-06	1.51E-04	1.08E-03	1.29E-03	4.5E-07	1.3E-06	7.8E-07	7.1E-07	3.2E-07	1.2E-10	2.8E-09	1.5E-09	1.3E-09	4.0E-10	6.1E-09
341	642054.56	4290386.75	642054.56, 429(	4.854	4.85314	4.854	5.22119	4.03E-05	6.45E-06	1.21E-04	8.37E-04	1.00E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	9.2E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
342	642094.56	4290386.75	642094.56, 429(	3.94979	3.94915	3.94979	4.15227	3.28E-05	5.25E-06	9.85E-05	6.66E-04	8.02E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	7.3E-11	1.8E-09	9.1E-10	8.3E-10	2.5E-10	3.8E-09
343	642134.56	4290386.75	642134.56, 429(	3.25882	3.25834	3.25882	3.37254	2.71E-05	4.33E-06	8.12E-05	5.41E-04	6.53E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	6.0E-11	1.4E-09	7.4E-10	6.7E-10	2.0E-10	3.1E-09
344	642174.56	4290386.75	642174.56, 429(	2.73295	2.73258	2.73295	2.79945	2.27E-05	3.63E-06	6.81E-05	4.49E-04	5.43E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.0E-11	1.2E-09	6.2E-10	5.6E-10	1.7E-10	2.6E-09
345	642214.56	4290386.75	642214.56, 429(	2.32321	2.32292	2.32321	2.36416	1.93E-05	3.09E-06	5.79E-05	3.79E-04	4.59E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.2E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
346	642254.56	4290386.75	642254.56, 429(	2.00007	1.99984	2.00007	2.02687	1.66E-05	2.66E-06	4.99E-05	3.25E-04	3.94E-04	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	3.6E-11	8.7E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
347	642294.56	4290386.75	642294.56, 429(	1.74086	1.74067	1.74086	1.75947	1.45E-05	2.31E-06	4.34E-05	2.82E-04	3.42E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.1E-11	7.6E-10	3.9E-10	3.5E-10	1.1E-10	1.6E-09
348	642334.56	4290386.75	642334.56, 429(	1.52985	1.5297	1.52985	1.5434	1.27E-05	2.03E-06	3.81E-05	2.47E-04	3.00E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	2.7E-11	6.6E-10	3.4E-10	3.1E-10	9.4E-11	1.4E-09
349	642374.56	4290386.75	642374.56, 429(	1.35647	1.35635	1.35647	1.36662	1.13E-05	1.80E-06	3.38E-05	2.19E-04	2.66E-04	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	2.4E-11	5.9E-10	3.0E-10	2.7E-10	8.3E-11	1.3E-09
350	642414.56	4290386.75	642414.56, 429(	1.21195	1.21185	1.21195	1.21963	1.01E-05	1.61E-06	3.02E-05	1.96E-04	2.37E-04	8.2E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.2E-11	5.2E-10	2.7E-10	2.4E-10	7.4E-11	1.1E-09
351	642454.56	4290386.75	642454.56, 429(	1.09192	1.09183	1.09192	1.09772	9.07E-06	1.45E-06	2.72E-05	1.76E-04	2.14E-04	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.0E-11	4.7E-10	2.4E-10	2.2E-10	6.7E-11	1.0E-09
352	642494.56	4290386.75	642494.56, 429(	0.9898	0.98973	0.9898	0.9941	8.23E-06	1.32E-06	2.47E-05	1.59E-04	1.94E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	1.8E-11	4.3E-10	2.2E-10	2.0E-10	6.0E-11	9.3E-10
353	642534.56	4290386.75	642534.56, 429(	0.90207	0.902	0.90207	0.90513	7.50E-06	1.20E-06	2.25E-05	1.45E-04	1.76E-04	6.1E-08	1.8E-07	1.1E-07	9.7E-08	4.4E-08	1.6E-11	3.9E-10	2.0E-10	1.8E-10	5.5E-11	8.4E-10
354	642574.56	4290386.75	642574.56, 429(	0.82573	0.82567	0.82573	0.82776	6.86E-06	1.10E-06	2.06E-05	1.33E-04	1.61E-04	5.6E-08	1.7E-07	9.8E-08	8.8E-08	4.0E-08	1.5E-11	3.6E-10	1.8E-10	1.7E-10	5.0E-11	7.7E-10
355	642614.56	4290386.75	642614.56, 429(	0.75928	0.75923	0.75928	0.76046	6.31E-06	1.01E-06	1.89E-05	1.22E-04	1.48E-04	5.1E-08	1.5E-07	9.0E-08	8.1E-08	3.7E-08	1.4E-11	3.3E-10	1.7E-10	1.5E-10	4.6E-11	7.1E-10
356	641374.56	4290426.75	641374.56, 429(	2.89884	2.89919	2.89884	2.89903	2.41E-05	3.86E-06	7.23E-05	4.65E-04	5.65E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.2E-11	1.2E-09	6.4E-10	5.8E-10	1.8E-10	2.7E-09
357	641414.56	4290426.75	641414.56, 429(	3.43379	3.43423	3.43379	3.44669	2.85E-05	4.57E-06	8.56E-05	5.53E-04	6.71E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09
358	641454.56	4290426.75	641454.56, 429(	4.11935	4.11991	4.11935	4.17059	3.42E-05	5.48E-06	1.03E-04	6.69E-04	8.11E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	7.4E-11	1.8E-09	9.2E-10	8.4E-10	2.5E-10	3.9E-09
359	641494.56	4290426.75	641494.56, 429(	5.00156	5.00228	5.00156	5.1489	4.16E-05	6.65E-06	1.25E-04	8.25E-04	9.98E-04	3.5E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	9.1E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
360	641534.56	4290426.75	641534.56, 429(	6.18008	6.18096	6.18008	6.52864	5.14E-05	8.22E-06	1.54E-04	1.05E-03	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.2E-07	1.2E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
361	641574.56	4290426.75	641574.56, 429(	7.68415	7.6852	7.68415	8.45545	6.39E-05	1.02E-05	1.92E-04	1.36E-03	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.5E-10	3.6E-09	1.8E-09	1.7E-09	5.1E-10	7.7E-09
362	641614.56	4290426.75	641614.56, 429(	9.53487	9.53606	9.53487	11.09154	7.92E-05	1.27E-05	2.38E-04	1.78E-03	2.11E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
363	641654.56	4290426.75	641654.56, 429(	11.7479	11.74913	11.7479	14.55359	9.76E-05	1.56E-05	2.93E-04	2.33E-03	2.74E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
364	641694.56	4290426.75	641694.56, 429(	14.26299	14.26418	14.26299	18.85515	1.19E-04	1.90E-05	3.56E-04	3.02E-03	3.52E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.8E-07	3.2E-10	7.8E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
365	641734.56	4290426.75	641734.56, 429(	17.2915	17.29298	17.2915	23.94044	1.44E-04	2.30E-05	4.31E-04	3.84E-03	4.44E-03	1.5E-06	4.6E-06	2.7E-06	2.4E-06	1.1E-06	4.1E-10	9.8E-09	5.0E-09	4.6E-09	1.4E-09	2.1E-08
366	641774.56	4290426.75	641774.56, 429(	20.76454	20.76508	20.76454	30.57199	1.73E-04	2.76E-05	5.18E-04	4.90E-03	5.62E-03	1.9E-06	5.9E-06	3.4E-06	3.1E-06	1.4E-06	5.1E-10	1.2E-08	6.4E-09	5.8E-09	1.8E-09	2.7E-08
367	641814.56	4290426.75	641814.56, 429(	21.4823	21.47946	21.4823	32.81344	1.79E-04	2.86E-05	5.36E-04	5.26E-03	6.00E-03	2.1E-06	6.3E-06	3.6E-06	3.3E-06	1.5E-06	5.5E-10	1.3E-08	6.8E-09	6.2E-09	1.9E-09	2.9E-08
368	641854.56	4290426.75	641854.56, 429(	18.28989	18.28559	18.28989	25.94384	1.52E-04	2.43E-05	4.56E-04	4.16E-03	4.79E-03	1.7E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	4.4E-10	1.1E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
369	641894.56	4290426.75	641894.56, 429(	14.03392	14.03026	14.03392	18.0529	1.17E-04	1.87E-05	3.50E-04	2.89E-03	3.38E-03	1.2E-06	3.5E-06	2.0E-06	1.9E-06	8.5E-07	3.1E-10	7.5E-09	3.8E-09	3.5E-09	1.1E-09	1.6E-08
370	641934.56	4290426.75	641934.56, 429(	10.48741	10.48479	10.48741	12.46423	8.72E-05	1.39E-05	2.61E-04	2.00E-03	2.36E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.2E-10	5.2E-09	2.7E-09	2.4E-09	7.4E-10	1.1E-08
371	641974.56	4290426.75	641974.56, 429(	7.91625	7.91444	7.91625	8.87965	6.58E-05	1.05E-05	1.97E-04	1.42E-03	1.70E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.6E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
372	642014.56	4290426.75	642014.56, 429(	6.10536	6.1041	6.10536	6.58322	5.07E-05	8.12E-06	1.52E-04	1.06E-03	1.27E-03	4.4E-07	1.3E-06	7.7E-07	6.9E-07	3.2E-07	1.2E-10	2.8E-09	1.4E-09	1.3E-09	4.0E-10	6.1E-09
373	642054.56	4290426.75	642054.56, 429(	4.81532	4.81443	4.81532	5.06213	4.00E-05	6.40E-06	1.20E-04	8.12E-04	9.78E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.4E-07	8.9E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.7E-09
374	642094.56	4290426.75	642094.56, 429(	3.87906	3.87842	3.87906	4.01461	3.22E-05	5.16E-06	9.67E-05	6.44E-04	7.78E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	7.1E-11	1.7E-09	8.8E-10	8.0E-10	2.4E-10	3.7E-09
375	642134.56	4290426.75	642134.56, 429(	3.18608	3.18561	3.18608	3.26627	2.65E-05	4.24E-06	7.94E-05	5.24E-04	6.34E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	5.8E-11	1.4E-09	7.2E-10	6.5E-10	2.0E-10	3.0E-09
376	642174.56	4290426.75	642174.56, 429(	2.66549	2.66513	2.66549	2.71683	2.22E-05	3.54E-06	6.65E-05	4.36E-04	5.28E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	4.8E-11	1.2E-09	6.0E-10	5.4E-10	1.6E-10	2.5E-09
377	642214.56	4290426.75	642214.56, 429(	2.26461	2.26433	2.26461	2.29967	1.88E-05	3.01E-06	5.65E-05	3.69E-04	4.47E-04	1.5E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.1E-11	9.9E-10	5.1E-10	4.6E-10	1.4E-10	2.1E-09
378	642254.56	4290426.75	642254.56, 429(	1.95004	1.94982	1.95004	1.97511	1.62E-05	2.59E-06	4.86E-05	3.17E-04	3.84E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	3.5E-11	8.5E-10	4.4E-10	4.0E-10	1.2E-10	1.8E-09
379	642294.56	4290426.75	642294.56, 429(	1.69985	1.69967	1.69985	1.71829	1.41E-05	2.26E-06	4.24E-05	2.75E-04	3.34E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.1E-11	7.4E-10	3.8E-10	3.4E-10	1.0E-10	1.6E-09
380	642334.56	4290426.75	642334.56, 429(	1.49639	1.49625	1.49639	1.51013	1.24E-05	1.99E-06	3.73E-05	2.42E-04	2.94E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.2E-11	1.4E-09
381	642374.56	4290426.75	642374.56, 429(	1.32899	1.32887	1.32899	1.33921	1.10E-05	1.77E-06	3.31E-05	2.15E-04	2.61E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.1E-11	1.2E-09
382	642414.56	4290426.75	642414.56, 429(	1.18926	1.18916	1.18926	1.19676	9.88E-06	1.58E-06	2.97E-05	1.92E-04	2.33E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.3E-11	1.1E-09
383	642454.56	4290426.75	642454.56, 429(	1.07245	1.07237	1.07245	1.07785	8.91E-06	1.43E-06	2.67E-05	1.73E-04	2.10E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	1.9E-11	4.6E-10	2.4E-10	2.2E-10	6.6E-11	1.0E-09
384	642494.56	4290426.75	642494.56, 429(	0.97335	0.97328	0.97335	0.97713	8.09E-06	1.29E-06	2.43E-05	1.57E-04	1.90E-04	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	1.7E-11	4.2E-10	2.2E-10	2.0E-10	5.9E-11	9.1E-10
385	642534.56	4290426.75	642534.56, 429(	0.88827	0.8882	0.88827	0.89077	7.38E-06	1.18E-06	2.21E-05	1.43E-04	1.74E-04	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	1.6E-11	3.8E-10	2.0E-10	1.8E-10	5.4E-11	8.3E-10
386	642574.56	4290426.75	642574.56, 429(	0.81392	0.81387	0.81392	0.81541	6.76E-06	1.08E-06	2.03E-05	1.31E-04	1.59E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.5E-11	3.5E-10	1.8E-10	1.6E-10	5.0E-11	7.6E-10
387	642614.56	4290426.75	642614.56, 429(	0.74947	0.74942	0.74947	0.75018	6.23E-06	9.97E-07	1.87E-05	1.20E-04	1.46E-04	5.1E-08	1.5E-07	8.8E-08	8.0E-08	3.7E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.6E-11	7.0E-10
388	641374.56	4290466.75	641374.56, 429(	3.10877	3.10917	3.10877	3.0925	2.58E-05	4.13E-06	7.75E-05	4.96E-04	6.03E-04	2.1E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	5.5E-11	1.3E-09	6.9E-10	6.2E-10	1.9E-10	2.9E-09
389	641414.56	4290466.75	641414.56, 429(	3.72191	3.72243	3.72191	3.71177	3.09E-05	4.95E-06	9.28E-05	5.95E-04	7.24E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	6.6E-11	1.6E-09	8.2E-10	7.5E-10	2.3E-10	3.5E-09
390	641454.56	4290466.75	641454.56, 429(	4.53974	4.54044	4.53974	4.54804	3.77E-05	6.04E-06	1.13E-04	7.29E-04	8.86E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	8.1E-11	2.0E-09	1.0E-09	9.1E-10	2.8E-10	4.2E-09
391	641494.56	4290466.75	641494.56, 429(	5.65432	5.65527	5.65432	5.71677	4.70E-05	7.52E-06	1.41E-04	9.16E-04	1.11E-03	3.8E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.0E-10	2.5E-09	1.3E-09	1.1E-09	3.5E-10	5.3E-09
392	641534.56	4290466.75	641534.56, 429(	7.24359	7.2449	7.24359	7.44657	6.02E-05	9.63E-06	1.81E-04	1.19E-03	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.3E-10	3.2E-09	1.6E-09	1.5E-09	4.5E-10	6.9E-09
393	641574.56	4290466.75	641574.56, 429(	9.46455	9.46631	9.46455	10.08507	7.87E-05	1.26E-05	2.36E-04	1.62E-03	1.94E-03	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.3E-09
394	641614.56	4290466.75	641614.56, 429(	12.50308	12.50528	12.50308	14.24858	1.04E-04	1.66E-05	3.12E-04	2.28E-03	2.72E-03	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
395	641654.56	4290466.75	641654.56, 429(	16.42592	16.4284	16.42592	20.67964	1.37E-04	2.18E-05	4.10E-04	3.32E-03	3.88E-03	1.3E-06	4.1E-06	2.3E-06	2.1E-06	9.7E-07	3.6E-10	8.6E-09	4.4E-09	4.0E-09	1.2E-09	1.9E-08
396	641694.56	4290466.75	641694.56, 429(	21.35113	21.35366	21.35113	30.22899	1.77E-04	2.84E-05	5.32E-04	4.85E-03	5.58E-03	1.9E-06	5.8E-06	3.4E-06	3.1E-06	1.4E-06	5.1E-10	1.2E-08	6.3E-09	5.8E-09	1.7E-09	2.7E-08
397	641734.56	4290466.75	641734.56, 429(	27.5822	27.58532	27.5822	43.1256	2.29E-04	3.67E-05	6.88E-04	6.91E-03	7.87E-03	2.7E-06	8.2E-06	4.8E-06	4.3E-06	2.0E-06	7.2E-10	1.7E-08	8.9E-09	8.1E-09	2.5E-09	3.8E-08
398	641774.56	4290466.75	641774.56, 429(	33.84489	33.84353	33.84489	58.83973	2.81E-04	4.50E-05	8.44E-04	9.43E-03	1.06E-02	3.7E-06	1.1E-05	6.4E-06	5.8E-06	2.7E-06	9.7E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.1E-08
399	641814.56	4290466.75	641814.56, 429(	30.98205	30.97376	30.98205	51.21839	2.57E-04	4.12E-05	7.72E-04	8.21E-03	9.28E-03	3.2E-06	9.7E-06	5.6E-06	5.1E-06	2.3E-06	8.5E-10	2.0E-08	1.1E-08	9.6E-09	2.9E-09	4.4E-08
400	641854.56	4290466.75	641854.56, 429(	22.59323	22.58567	22.59323	31.69113	1.88E-04	3.00E-05	5.63E-04	5.08E-03	5.86E-03	2.0E-06	6.1E-06	3.5E-06	3.2E-06	1.5E-06	5.4E-10	1.3E-08	6.7E-09	6.0E-09	1.8E-09	2.8E-08
401	641894.56	4290466.75	641894.56, 429(	15.58431	15.57937	15.58431	19.21263	1.30E-04	2.07E-05	3.89E-04	3.08E-03	3.62E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	3.3E-10	8.0E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
402	641934.56	4290466.75	641934.56, 429(	10.91341	10.91036	10.91341	12.38232	9.07E-05	1.45E-05	2.72E-04	1.99E-03	2.36E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.2E-10	5.2E-09	2.7E-09	2.4E-09	7.4E-10	1.1E-08
403	641974.56	4290466.75	641974.56, 429(	7.93983	7.9379	7.93983	8.58402	6.60E-05	1.06E-05	1.98E-04	1.38E-03	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.2E-10	7.9E-09
404	642014.56	4290466.75	642014.56, 429(	5.99857	5.9973	5.99857	6.31457	4.99E-05	7.97E-06	1.50E-04	1.01E-03	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.8E-10	5.8E-09
405	642054.56	4290466.75	642054.56, 429(	4.68776	4.68689	4.68776	4.86286	3.90E-05	6.23E-06	1.17E-04	7.80E-04	9.42E-04	3.3E-07	9.8E-07	5.7E-07	5.2E-07	2.4E-07	8.6E-11	2.1E-09	1.1E-09	9.7E-10	2.9E-10	4.5E-09
406	642094.56	4290466.75	642094.56, 429(	3.76592	3.76529	3.76592	3.87364	3.13E-05	5.01E-06	9.39E-05	6.21E-04	7.51E-04	2.6E-07	7.9E-07	4.5E-07	4.1E-07	1.9E-07	6.9E-11	1.7E-09	8.5E-10	7.7E-10	2.3E-10	3.6E-09
407	642134.56	4290466.75	642134.56, 429(	3.09364	3.09318	3.09364	3.16499	2.57E-05	4.11E-06	7.71E-05	5.07E-04	6.14E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	5.6E-11	1.4E-09	7.0E-10	6.3E-10	1.9E-10	2.9E-09
408	642174.56	4290466.75	642174.56, 429(	2.59045	2.5901	2.59045	2.64011	2.15E-05	3.44E-06	6.46E-05	4.23E-04	5.13E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.7E-11	1.1E-09	5.8E-10	5.3E-10	1.6E-10	2.5E-09
409	642214.56	4290466.75	642214.56, 429(	2.20434	2.20407	2.20434	2.23995	1.83E-05	2.93E-06	5.50E-05	3.59E-04	4.35E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	4.0E-11	9.6E-10	4.9E-10	4.5E-10	1.4E-10	2.1E-09
410	642254.56	4290466.75	642254.56, 429(	1.90186	1.90165	1.90186	1.9278	1.58E-05	2.53E-06	4.74E-05	3.09E-04	3.75E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	3.4E-11	8.3E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
411	642294.56	4290466.75	642294.56, 429(	1.66198	1.66181	1.66198	1.68112	1.38E-05	2.21E-06	4.14E-05	2.70E-04	3.27E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	3.0E-11	7.2E-10	3.7E-10	3.4E-10	1.0E-10	1.6E-09
412	642334.56	4290466.75	642334.56, 429(	1.46642	1.46628	1.46642	1.48055	1.22E-05	1.95E-06	3.66E-05	2.37E-04	2.88E-04	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	2.6E-11	6.4E-10	3.3E-10	3.0E-10	9.0E-11	1.4E-09
413	642374.56	4290466.75	642374.56, 429(	1.30467	1.30455	1.30467	1.31506	1.08E-05	1.73E-06	3.25E-05	2.11E-04	2.56E-04	8.9E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.3E-11	5.7E-10	2.9E-10	2.6E-10	8.0E-11	1.2E-09
414	642414.56	4290466.75	642414.56, 429(	1.16936	1.16926	1.16936	1.17691	9.72E-06	1.55E-06	2.92E-05	1.89E-04	2.29E-04	7.9E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
415	642454.56	4290466.75	642454.56, 429(	1.05508	1.05499	1.05508	1.0605	8.77E-06	1.40E-06	2.63E-05	1.70E-04	2.06E-04	7.1E-08	2.2E-07	1.2E-07	1.1E-07	5.2E-08	1.9E-11	4.6E-10	2.3E-10	2.1E-10	6.4E-11	9.9E-10
416	642494.56	4290466.75	642494.56, 429(	0.95842	0.95835	0.95842	0.96225	7.97E-06	1.27E-06	2.39E-05	1.54E-04	1.87E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	1.7E-11	4.1E-10	2.1E-10	1.9E-10	5.9E-11	9.0E-10
417	642534.56	4290466.75	642534.56, 429(	0.87562	0.87556	0.87562	0.87824	7.28E-06	1.16E-06	2.18E-05	1.41E-04	1.71E-04	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	1.6E-11	3.8E-10	1.9E-10	1.8E-10	5.3E-11	8.2E-10
418	642574.56	4290466.75	642574.56, 429(	0.80349	0.80343	0.80349	0.80519	6.68E-06	1.07E-06	2.00E-05	1.29E-04	1.57E-04	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.4E-11	3.5E-10	1.8E-10	1.6E-10	4.9E-11	7.5E-10

419	642614.56	4290466.75	642614.56, 429(	0.74082	0.74078	0.74082	0.74183	6.16E-06	9.85E-07	1.85E-05	1.19E-04	1.45E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.3E-11	3.2E-10	1.6E-10	1.5E-10	4.5E-11	6.9E-10
420	641920.09	4290522.63	641920.09, 429(	12.22264	12.21875	12.22264	13.3804	1.02E-04	1.62E-05	3.05E-04	2.15E-03	2.57E-03	8.9E-07	2.7E-06	1.6E-06	1.4E-06	6.4E-07	2.3E-10	5.7E-09	2.9E-09	2.6E-09	8.0E-10	1.2E-08
421	641960.09	4290522.63	641960.09, 429(	8.51149	8.50926	8.51149	9.07679	7.07E-05	1.13E-05	2.12E-04	1.46E-03	1.75E-03	6.1E-07	1.8E-06	1.1E-06	9.6E-07	4.4E-07	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.4E-09
422	642000.09	4290522.63	642000.09, 429(	6.28649	6.28509	6.28649	6.60877	5.22E-05	8.36E-06	1.57E-04	1.06E-03	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.2E-10	2.8E-09	1.5E-09	1.3E-09	4.0E-10	6.1E-09
423	642040.09	4290522.63	642040.09, 429(	4.85395	4.85302	4.85395	5.05609	4.03E-05	6.45E-06	1.21E-04	8.11E-04	9.78E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.4E-07	8.9E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.7E-09
424	642080.09	4290522.63	642080.09, 429(	3.8748	3.87415	3.8748	4.00938	3.22E-05	5.15E-06	9.66E-05	6.43E-04	7.77E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	7.1E-11	1.7E-09	8.8E-10	8.0E-10	2.4E-10	3.7E-09
425	642120.09	4290522.63	642120.09, 429(	3.17163	3.17115	3.17163	3.2645	2.64E-05	4.22E-06	7.91E-05	5.23E-04	6.33E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	5.8E-11	1.4E-09	7.2E-10	6.5E-10	2.0E-10	3.0E-09
426	642160.09	4290522.63	642160.09, 429(	2.65042	2.65006	2.65042	2.7163	2.20E-05	3.52E-06	6.61E-05	4.35E-04	5.27E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	4.8E-11	1.2E-09	6.0E-10	5.4E-10	1.6E-10	2.5E-09
427	642200.09	4290522.63	642200.09, 429(	2.25332	2.25304	2.25332	2.30114	1.87E-05	3.00E-06	5.62E-05	3.69E-04	4.47E-04	1.5E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.1E-11	9.9E-10	5.1E-10	4.6E-10	1.4E-10	2.1E-09
428	642240.09	4290522.63	642240.09, 429(	1.94287	1.94265	1.94287	1.97819	1.61E-05	2.58E-06	4.84E-05	3.17E-04	3.84E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	3.5E-11	8.5E-10	4.4E-10	4.0E-10	1.2E-10	1.8E-09
429	642280.09	4290522.63	642280.09, 429(	1.69554	1.69536	1.69554	1.72202	1.41E-05	2.25E-06	4.23E-05	2.76E-04	3.35E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.1E-11	7.4E-10	3.8E-10	3.4E-10	1.0E-10	1.6E-09
430	642320.09	4290522.63	642320.09, 429(	1.4949	1.49475	1.4949	1.51501	1.24E-05	1.99E-06	3.73E-05	2.43E-04	2.95E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.2E-11	1.4E-09
431	642360.09	4290522.63	642360.09, 429(	1.32931	1.32919	1.32931	1.34473	1.10E-05	1.77E-06	3.31E-05	2.16E-04	2.62E-04	9.1E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.2E-11	1.3E-09
432	642400.09	4290522.63	642400.09, 429(	1.19107	1.19097	1.19107	1.20299	9.90E-06	1.58E-06	2.97E-05	1.93E-04	2.34E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.9E-08	2.1E-11	5.2E-10	2.7E-10	2.4E-10	7.3E-11	1.1E-09
433	642440.09	4290522.63	642440.09, 429(	1.07425	1.07417	1.07425	1.08352	8.93E-06	1.43E-06	2.68E-05	1.74E-04	2.11E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	1.9E-11	4.7E-10	2.4E-10	2.2E-10	6.6E-11	1.0E-09
434	642480.09	4290522.63	642480.09, 429(	0.97521	0.97514	0.97521	0.98247	8.10E-06	1.30E-06	2.43E-05	1.58E-04	1.91E-04	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	1.7E-11	4.2E-10	2.2E-10	2.0E-10	6.0E-11	9.1E-10
435	642520.09	4290522.63	642520.09, 429(	0.89012	0.89005	0.89012	0.89583	7.40E-06	1.18E-06	2.22E-05	1.44E-04	1.74E-04	6.0E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	1.6E-11	3.9E-10	2.0E-10	1.8E-10	5.4E-11	8.3E-10
436	642560.09	4290522.63	642560.09, 429(	0.81644	0.81639	0.81644	0.82095	6.79E-06	1.09E-06	2.04E-05	1.32E-04	1.60E-04	5.5E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.5E-11	3.5E-10	1.8E-10	1.6E-10	5.0E-11	7.6E-10
437	642600.09	4290522.63	642600.09, 429(	0.75216	0.75211	0.75216	0.75572	6.25E-06	1.00E-06	1.88E-05	1.21E-04	1.47E-04	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.6E-11	7.0E-10
438	641920.09	4290562.63	641920.09, 429(	11.63819	11.63454	11.63819	12.83358	9.67E-05	1.55E-05	2.90E-04	2.06E-03	2.46E-03	8.5E-07	2.6E-06	1.5E-06	1.3E-06	6.2E-07	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.7E-10	1.2E-08
439	641960.09	4290562.63	641960.09, 429(	8.14972	8.14762	8.14972	8.79413	6.77E-05	1.08E-05	2.03E-04	1.41E-03	1.69E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
440	642000.09	4290562.63	642000.09, 429(	6.05914	6.05782	6.05914	6.44384	5.04E-05	8.06E-06	1.51E-04	1.03E-03	1.24E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.9E-10	5.9E-09
441	642040.09	4290562.63	642040.09, 429(	4.70311	4.70222	4.70311	4.94941	3.91E-05	6.25E-06	1.17E-04	7.93E-04	9.56E-04	3.3E-07	1.0E-06	5.8E-07	5.2E-07	2.4E-07	8.7E-11	2.1E-09	1.1E-09	9.9E-10	3.0E-10	4.6E-09
442	642080.09	4290562.63	642080.09, 429(	3.76965	3.76902	3.76965	3.93547	3.13E-05	5.01E-06	9.40E-05	6.31E-04	7.61E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	7.0E-11	1.7E-09	8.7E-10	7.8E-10	2.4E-10	3.6E-09
443	642120.09	4290562.63	642120.09, 429(	3.09804	3.09758	3.09804	3.21401	2.57E-05	4.12E-06	7.72E-05	5.15E-04	6.22E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	5.7E-11	1.4E-09	7.1E-10	6.4E-10	1.9E-10	3.0E-09
444	642160.09	4290562.63	642160.09, 429(	2.59683	2.59648	2.59683	2.68032	2.16E-05	3.45E-06	6.47E-05	4.30E-04	5.19E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.7E-11	1.1E-09	5.9E-10	5.4E-10	1.6E-10	2.5E-09
445	642200.09	4290562.63	642200.09, 429(	2.21467	2.21439	2.21467	2.27644	1.84E-05	2.94E-06	5.52E-05	3.65E-04	4.42E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.0E-11	9.8E-10	5.0E-10	4.6E-10	1.4E-10	2.1E-09
446	642240.09	4290562.63	642240.09, 429(	1.91365	1.91344	1.91365	1.96022	1.59E-05	2.54E-06	4.77E-05	3.14E-04	3.80E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	3.5E-11	8.4E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
447	642280.09	4290562.63	642280.09, 429(	1.67272	1.67255	1.67272	1.70843	1.39E-05	2.22E-06	4.17E-05	2.74E-04	3.32E-04	1.1E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.0E-11	7.3E-10	3.8E-10	3.4E-10	1.0E-10	1.6E-09
448	642320.09	4290562.63	642320.09, 429(	1.47666	1.47652	1.47666	1.50446	1.23E-05	1.96E-06	3.68E-05	2.41E-04	2.92E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.1E-11	1.4E-09
449	642360.09	4290562.63	642360.09, 429(	1.31477	1.31465	1.31477	1.3367	1.09E-05	1.75E-06	3.28E-05	2.14E-04	2.60E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.4E-11	5.7E-10	3.0E-10	2.7E-10	8.1E-11	1.2E-09
450	642400.09	4290562.63	642400.09, 429(	1.17942	1.17932	1.17942	1.19691	9.80E-06	1.57E-06	2.94E-05	1.92E-04	2.33E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.3E-11	1.1E-09
451	642440.09	4290562.63	642440.09, 429(	1.06499	1.0649	1.06499	1.07907	8.85E-06	1.42E-06	2.66E-05	1.73E-04	2.10E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	1.9E-11	4.6E-10	2.4E-10	2.2E-10	6.6E-11	1.0E-09
452	642480.09	4290562.63	642480.09, 429(	0.9674	0.96733	0.9674	0.97883	8.04E-06	1.29E-06	2.41E-05	1.57E-04	1.90E-04	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	1.7E-11	4.2E-10	2.2E-10	2.0E-10	5.9E-11	9.1E-10
453	642520.09	4290562.63	642520.09, 429(	0.88339	0.88332	0.88339	0.89273	7.34E-06	1.17E-06	2.20E-05	1.43E-04	1.74E-04	6.0E-08	1.8E-07	1.1E-07	9.5E-08	4.3E-08	1.6E-11	3.8E-10	2.0E-10	1.8E-10	5.4E-11	8.3E-10
454	642560.09	4290562.63	642560.09, 429(	0.8104	0.81034	0.8104	0.81808	6.73E-06	1.08E-06	2.02E-05	1.31E-04	1.59E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.5E-11	3.5E-10	1.8E-10	1.6E-10	5.0E-11	7.6E-10
455	642600.09	4290562.63	642600.09, 429(	0.74647	0.74642	0.74647	0.75283	6.20E-06	9.93E-07	1.86E-05	1.21E-04	1.46E-04	5.1E-08	1.5E-07	8.9E-08	8.0E-08	3.7E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.6E-11	7.0E-10
456	641920.09	4290602.63	641920.09, 429(	11.12075	11.11734	11.12075	12.3343	9.24E-05	1.48E-05	2.77E-04	1.98E-03	2.36E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.2E-10	5.2E-09	2.7E-09	2.4E-09	7.4E-10	1.1E-08
457	641960.09	4290602.63	641960.09, 429(	7.86737	7.86539	7.86737	8.55732	6.54E-05	1.05E-05	1.96E-04	1.37E-03	1.64E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.9E-09
458	642000.09	4290602.63	642000.09, 429(	5.88957	5.88831	5.88957	6.31709	4.89E-05	7.83E-06	1.47E-04	1.01E-03	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.0E-07	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.8E-10	5.8E-09
459	642040.09	4290602.63	642040.09, 429(	4.59303	4.59217	4.59303	4.87478	3.82E-05	6.11E-06	1.15E-04	7.81E-04	9.40E-04	3.3E-07	9.8E-07	5.7E-07	5.2E-07	2.4E-07	8.6E-11	2.1E-09	1.1E-09	9.7E-10	2.9E-10	4.5E-09
460	642080.09	4290602.63	642080.09, 429(	3.6944	3.69379	3.6944	3.88889	3.07E-05	4.91E-06	9.21E-05	6.23E-04	7.51E-04	2.6E-07	7.9E-07	4.5E-07	4.1E-07	1.9E-07	6.9E-11	1.7E-09	8.5E-10	7.7E-10	2.3E-10	3.6E-09
461	642120.09	4290602.63	642120.09, 429(	3.04449	3.04404	3.04449	3.18358	2.53E-05	4.05E-06	7.59E-05	5.10E-04	6.16E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	5.6E-11	1.4E-09	7.0E-10	6.3E-10	1.9E-10	2.9E-09
462	642160.09	4290602.63	642160.09, 429(	2.55798	2.55764	2.55798	2.66033	2.13E-05	3.40E-06	6.38E-05	4.26E-04	5.15E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.7E-11	1.1E-09	5.9E-10	5.3E-10	1.6E-10	2.5E-09
463	642200.09	4290602.63	642200.09, 429(	2.18553	2.18526	2.18553	2.26274	1.82E-05	2.91E-06	5.45E-05	3.63E-04	4.38E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.0E-11	9.7E-10	5.0E-10	4.5E-10	1.4E-10	2.1E-09
464	642240.09	4290602.63	642240.09, 429(	1.89124	1.89103	1.89124	1.95056	1.57E-05	2.51E-06	4.72E-05	3.13E-04	3.78E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	3.5E-11	8.3E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
465	642280.09	4290602.63	642280.09, 429(	1.6551	1.65493	1.6551	1.70144	1.38E-05	2.20E-06	4.13E-05	2.73E-04	3.30E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.3E-08	3.0E-11	7.3E-10	3.8E-10	3.4E-10	1.0E-10	1.6E-09
466	642320.09	4290602.63	642320.09, 429(	1.46268	1.46254	1.46268	1.4994	1.22E-05	1.94E-06	3.65E-05	2.40E-04	2.91E-04	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	2.7E-11	6.4E-10	3.3E-10	3.0E-10	9.1E-11	1.4E-09
467	642360.09	4290602.63	642360.09, 429(	1.30357	1.30345	1.30357	1.33304	1.08E-05	1.73E-06	3.25E-05	2.14E-04	2.59E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.4E-11	5.7E-10	2.9E-10	2.7E-10	8.1E-11	1.2E-09
468	642400.09	4290602.63	642400.09, 429(	1.17035	1.17025	1.17035	1.19426	9.73E-06	1.56E-06	2.92E-05	1.91E-04	2.32E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
469	642440.09	4290602.63	642440.09, 429(	1.05762	1.05753	1.05762	1.0772	8.79E-06	1.41E-06	2.64E-05	1.73E-04	2.09E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	1.9E-11	4.6E-10	2.4E-10	2.2E-10	6.5E-11	1.0E-09
470	642480.09	4290602.63	642480.09, 429(	0.96127	0.9612	0.96127	0.97745	7.99E-06	1.28E-06	2.40E-05	1.57E-04	1.90E-04	6.6E-08	2.0E-07	1.1E-07	1.0E-07	4.8E-08	1.7E-11	4.2E-10	2.2E-10	2.0E-10	5.9E-11	9.1E-10
471	642520.09	4290602.63	642520.09, 429(	0.87823	0.87816	0.87823	0.89168	7.30E-06	1.17E-06	2.19E-05	1.43E-04	1.73E-04	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	1.6E-11	3.8E-10	2.0E-10	1.8E-10	5.4E-11	8.3E-10
472	642560.09	4290602.63	642560.09, 429(	0.80603	0.80598	0.80603	0.8173	6.70E-06	1.07E-06	2.01E-05	1.31E-04	1.59E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.5E-11	3.5E-10	1.8E-10	1.6E-10	5.0E-11	7.6E-10
473	642600.09	4290602.63	642600.09, 429(	0.74239	0.74234	0.74239	0.75186	6.17E-06	9.87E-07	1.85E-05	1.21E-04	1.46E-04	5.1E-08	1.5E-07	8.8E-08	8.0E-08	3.7E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.6E-11	7.0E-10
474	641920.09	4290642.63	641920.09, 429(	10.62964	10.62653	10.62964	11.35148	8.83E-05	1.41E-05	2.65E-04	1.82E-03	2.19E-03	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.0E-10	4.8E-09	2.5E-09	2.3E-09	6.8E-10	1.0E-08
475	641960.09	4290642.63	641960.09, 429(	7.59889	7.59704	7.59889	8.08807	6.32E-05	1.01E-05	1.89E-04	1.30E-03	1.56E-03	5.4E-07	1.6E-06	9.4E-07	8.6E-07	3.9E-07	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.9E-10	7.5E-09
476	642000.09	4290642.63	642000.09, 429(	5.72833	5.72714	5.72833	6.07088	4.76E-05	7.62E-06	1.43E-04	9.73E-04	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.6E-09
477	642040.09	4290642.63	642040.09, 429(	4.48965	4.48884	4.48965	4.73637	3.73E-05	5.97E-06	1.12E-04	7.59E-04	9.15E-04	3.2E-07	9.6E-07	5.5E-07	5.0E-07	2.3E-07	8.4E-11	2.0E-09	1.0E-09	9.4E-10	2.9E-10	4.4E-09
478	642080.09	4290642.63	642080.09, 429(	3.62481	3.62422	3.62481	3.80692	3.01E-05	4.82E-06	9.04E-05	6.10E-04	7.36E-04	2.5E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	6.7E-11	1.6E-09	8.4E-10	7.6E-10	2.3E-10	3.5E-09
479	642120.09	4290642.63	642120.09, 429(	2.99548	2.99504	2.99548	3.1327	2.49E-05	3.98E-06	7.47E-05	5.02E-04	6.06E-04	2.1E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	5.5E-11	1.3E-09	6.9E-10	6.2E-10	1.9E-10	2.9E-09
480	642160.09	4290642.63	642160.09, 429(	2.52276	2.52242	2.52276	2.62811	2.10E-05	3.35E-06	6.29E-05	4.21E-04	5.09E-04	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	4.6E-11	1.1E-09	5.8E-10	5.2E-10	1.6E-10	2.4E-09
481	642200.09	4290642.63	642200.09, 429(	2.15918	2.15892	2.15918	2.24148	1.79E-05	2.87E-06	5.38E-05	3.59E-04	4.34E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	4.0E-11	9.6E-10	4.9E-10	4.5E-10	1.4E-10	2.1E-09
482	642240.09	4290642.63	642240.09, 429(	1.87107	1.87086	1.87107	1.93618	1.55E-05	2.49E-06	4.66E-05	3.10E-04	3.75E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	3.4E-11	8.3E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
483	642280.09	4290642.63	642280.09, 429(	1.63948	1.63931	1.63948	1.69166	1.36E-05	2.18E-06	4.09E-05	2.71E-04	3.28E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	3.0E-11	7.2E-10	3.7E-10	3.4E-10	1.0E-10	1.6E-09
484	642320.09	4290642.63	642320.09, 429(	1.45035	1.45021	1.45035	1.49265	1.21E-05	1.93E-06	3.62E-05	2.39E-04	2.89E-04	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.2E-08	2.6E-11	6.4E-10	3.3E-10	3.0E-10	9.0E-11	1.4E-09
485	642360.09	4290642.63	642360.09, 429(	1.29371	1.29359	1.29371	1.32835	1.08E-05	1.72E-06	3.23E-05	2.13E-04	2.58E-04	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.4E-08	2.4E-11	5.7E-10	2.9E-10	2.7E-10	8.0E-11	1.2E-09
486	642400.09	4290642.63	642400.09, 429(	1.16238	1.16228	1.16238	1.191	9.66E-06	1.55E-06	2.90E-05	1.91E-04	2.31E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
487	642440.09	4290642.63	642440.09, 429(	1.05109	1.05101	1.05109	1.07493	8.74E-06	1.40E-06	2.62E-05	1.72E-04	2.09E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	1.9E-11	4.6E-10	2.4E-10	2.2E-10	6.5E-11	1.0E-09
488	642480.09	4290642.63	642480.09, 429(	0.9559	0.95583	0.9559	0.97589	7.94E-06	1.27E-06	2.38E-05	1.56E-04	1.89E-04	6.6E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	1.7E-11	4.2E-10	2.2E-10	2.0E-10	5.9E-11	9.1E-10
489	642520.09	4290642.63	642520.09, 429(	0.87374	0.87368	0.87374	0.89061	7.26E-06	1.16E-06	2.18E-05	1.43E-04	1.73E-04	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	1.6E-11	3.8E-10	2.0E-10	1.8E-10	5.4E-11	8.3E-10
490	642560.09	4290642.63	642560.09, 429(	0.80227	0.80221	0.80227	0.81658	6.67E-06	1.07E-06	2.00E-05	1.31E-04	1.59E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.5E-11	3.5E-10	1.8E-10	1.6E-10	5.0E-11	7.6E-10
491	642600.09	4290642.63	642600.09, 429(	0.73938	0.73933	0.73938	0.75157	6.14E-06	9.83E-07	1.84E-05	1.20E-04	1.46E-04	5.1E-08	1.5E-07	8.8E-08	8.0E-08	3.7E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.6E-11	7.0E-10
492	641920.09	4290682.63	641920.09, 429(	9.8921	9.88948	9.8921	10.05128	8.22E-05	1.32E-05	2.47E-04	1.61E-03	1.95E-03	6.8E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.3E-09
493	641960.09	4290682.63	641960.09, 429(	7.20467	7.20305	7.20467	7.37633	5.99E-05	9.58E-06	1.80E-04	1.18E-03	1.43E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.3E-10	3.2E-09	1.6E-09	1.5E-09	4.5E-10	6.8E-09
494	642000.09	4290682.63	642000.09, 429(	5.49677	5.49569	5.49677	5.66051	4.57E-05	7.31E-06	1.37E-04	9.07E-04	1.10E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.0E-10	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
495	642040.09	4290682.63	642040.09, 429(	4.3445	4.34375	4.3445	4.48963	3.61E-05	5.78E-06	1.08E-04	7.20E-04	8.70E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	8.0E-11	1.9E-09	9.9E-10	9.0E-10	2.7E-10	4.2E-09
496	642080.09	4290682.63	642080.09, 429(	3.52916	3.52861	3.52916	3.65284	2.93E-05	4.69E-06	8.80E-05	5.86E-04	7.08E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	6.5E-11	1.6E-09	8.0E-10	7.3E-10	2.2E-10	3.4E-09
497	642120.09	4290682.63	642120.09, 429(	2.93005	2.92964	2.93005	3.03345	2.44E-05	3.90E-06	7.31E-05	4.86E-04	5.88E-04	2.0E-07	6.1E-07	3.6E-07	3.2E-07	1.5E-07	5.4E-11	1.3E-09	6.7E-10	6.1E-10	1.8E-10	2.8E-09
498	642160.09	4290682.63	642160.09, 429(	2.47685	2.47653	2.47685	2.56271	2.06E-05	3.29E-06	6.18E-05	4.11E-04	4.96E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	4.5E-11	1.1E-09	5.6E-10	5.1E-10	1.6E-10	2.4E-09
499	642200.09	4290682.63	642200.09, 429(	2.12584	2.12559	2.12584	2.19714	1.77E-05	2.83E-06	5.30E-05	3.52E-04	4.26E-04	1.5E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	3.9E-11	9.4E-10	4.8E-10	4.4E-10	1.3E-10	2.0E-09
500	642240.09	4290682.63	642240.09, 429(	1.84623	1.84603	1.84623	1.90548	1.53E-05	2.45E-06	4.60E-05	3.05E-04	3.69E-04	1.3E-07	3.9E-07	2.2E-07	2.0E-07	9.2E-08	3.4E-11	8.2E-10	4.2E-10	3.8E-10	1.2E-10	1.8E-09
501	642280.09	4290682.63	642280.09, 429(	1.62069	1.62052	1.62069	1.67014	1.35E-05	2.15E-06	4.04E-05	2.68E-04	3.24E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.0E-11	7.2E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
502	642320.09	4290682.63	642320.09, 429(	1.43589	1.43575	1.43589	1.47738	1.19E-05	1.91E-06	3.58E-05	2.37E-04	2.86E-04	9.9E-08	3.0E-07	1.7E-07	1.6E-07	7.2E-08	2.6E-11	6.3E-10	3.3E-10	3.0E-10	8.9E-11	1.4E-09
503	642360.09	4290682.63	642360.09, 429(	1.28243	1.28231	1.28243	1.31743	1.07E-05	1.71E-06	3.20E-05	2.11E-04	2.56E-04	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.3E-11	5.6E-10	2.9E-10	2.6E-10	8.0E-11	1.2E-09
504	642400.09	4290682.63	642400.09, 429(	1.15345	1.15335	1.15345	1.18313	9.59E-06	1.53E-06	2.88E-05	1.90E-04	2.30E-04	7.9E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
505	642440.09	4290682.63	642440.09, 429(	1.04394	1.04385	1.04394	1.06922	8.68E-06	1.39E-06	2.60E-05	1.71E-04	2.07E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	1.9E-11	4.6E-10	2.4E-10	2.1E-10	6.5E-11	9.9E-10
506	642480.09	4290682.63	642480.09, 429(	0.95009	0.95002	0.95009	0.97174	7.90E-06	1.26E-06	2.37E-05	1.56E-04	1.89E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	1.7E-11	4.2E-10	2.1E-10	1.9E-10	5.9E-11	9.0E-10
507	642520.09	4290682.63	642520.09, 429(	0.86901	0.86894	0.86901	0.88761	7.22E-06	1.16E-06	2.17E-05	1.42E-04	1.72E-04	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	1.6E-11	3.8E-10	2.0E-10	1.8E-10	5.4E-11	8.2E-10
508	642560.09	4290682.63	642560.09, 429(	0.79838	0.79832	0.79838	0.81443	6.64E-06	1.06E-06	1.99E-05	1.31E-04	1.58E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.4E-11	3.5E-10	1.8E-10	1.6E-10	4.9E-11	7.6E-10
509	642600.09	4290682.63	642600.09, 429(	0.73625	0.7362	0.73625	0.75014	6.12E-06	9.79E-07	1.84E-05	1.20E-04	1.46E-04	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.5E-11	7.0E-10
510	641920.09	4290722.63	641920.09, 429(	8.90904	8.90695	8.90904	8.84672	7.40E-05	1.18E-05	2.22E-04	1.42E-03	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.3E-09
511	641960.09	4290722.63	641960.09, 429(	6.65865	6.6573	6.65865	6.64127	5.53E-05	8.85E-06	1.66E-04	1.06E-03	1.29E-03	4.5E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	1.2E-10	2.9E-09	1.5E-09	1.3E-09	4.0E-10	6.2E-09
512	642000.09	4290722.63	642000.09, 429(	5.17157	5.17064	5.17157	5.18697	4.30E-05	6.88E-06	1.29E-04	8.32E-04	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	9.2E-11	2.2E-09	1.1E-09	1.0E-09	3.2E-10	4.8E-09
513	642040.09	4290722.63	642040.09, 429(	4.1386	4.13794	4.1386	4.17641	3.44E-05	5.50E-06	1.03E-04	6.70E-04	8.13E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	7.4E-11	1.8E-09	9.2E-10	8.4E-10	2.5E-10	3.9E-09
514	642080.09	4290722.63	642080.09, 429(	3.39247	3.39198	3.39247	3.44207	2.82E-05	4.51E-06	8.46E-05	5.52E-04	6.69E-04	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09
515	642120.09	4290722.63	642120.09, 429(	2.83586	2.83549	2.83586	2.88918	2.36E-05	3.77E-06	7.07E-05	4.63E-04	5.61E-04	1.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.1E-11	1.2E-09	6.4E-10	5.8E-10	1.8E-10	2.7E-09
516	642160.09	4290722.63	642160.09, 429(	2.41051	2.41022	2.41051	2.46267	2.00E-05	3.20E-06	6.01E-05	3.95E-04	4.78E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.4E-11	1.1E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
517	642200.09	4290722.63	642200.09, 429(	2.07782	2.07758	2.07782	2.12637	1.73E-05	2.76E-06	5.18E-05	3.41E-04	4.13E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	3.8E-11	9.1E-10	4.7E-10	4.3E-10	1.3E-10	2.0E-09
518	642240.09	4290722.63	642240.09, 429(	1.81084	1.81065	1.81084	1.85474	1.50E-05	2.41E-06	4.51E-05	2.97E-04	3.60E-04	1.2E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
519	642280.09	4290722.63	642280.09, 429(	1.59407	1.59391	1.59407	1.63319	1.32E-05	2.12E-06	3.97E-05	2.62E-04	3.17E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	2.9E-11	7.0E-10	3.6E-10	3.3E-10	9.9E-11	1.5E-09
520	642320.09	4290722.63	642320.09, 429(	1.41559	1.41546	1.41559	1.45018	1.18E-05	1.88E-06	3.53E-05	2.32E-04	2.81E-04	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	2.6E-11	6.2E-10	3.2E-10	2.9E-10	8.8E-11	1.3E-09
521	642360.09	4290722.63	642360.09, 429(	1.26671	1.26661	1.26671	1.29718	1.05E-05	1.68E-06	3.16E-05	2.08E-04	2.52E-04	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.3E-11	5.6E-10	2.9E-10	2.6E-10	7.9E-11	1.2E-09
522	642400.09	4290722.63	642400.09, 429(	1.14114	1.14105	1.14114	1.16794	9.48E-06	1.52E-06	2.85E-05	1.87E-04	2.27E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.1E-11	1.1E-09
523	642440.09	4290722.63	642440.09, 429(	1.03421	1.03413	1.03421	1.05777	8.59E-06	1.38E-06	2.58E-05	1.70E-04	2.05E-04	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	1.9E-11	4.5E-10	2.3E-10	2.1E-10	6.4E-11	9.8E-10
524	642480.09	4290722.63	642480.09, 429(	0.94232	0.94225	0.94232	0.96305	7.83E-06	1.25E-06	2.35E-05	1.54E-04	1.87E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	1.7E-11	4.1E-10	2.1E-10	1.9E-10	5.8E-11	8.9E-10
525	642520.09	4290722.63	642520.09, 429(	0.86272	0.86266	0.86272	0.88098	7.17E-06	1.15E-06	2.15E-05	1.41E-04	1.71E-04	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	1.6E-11	3.8E-10	1.9E-10	1.8E-10	5.3E-11	8.2E-10

526	642560.09	4290722.63	642560.09, 429(	0.79327	0.79322	0.79327	0.80937	6.59E-06	1.05E-06	1.98E-05	1.30E-04	1.57E-04	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.4E-11	3.5E-10	1.8E-10	1.6E-10	4.9E-11	7.5E-10
527	642600.09	4290722.63	642600.09, 429(	0.73213	0.73208	0.73213	0.74635	6.08E-06	9.73E-07	1.83E-05	1.20E-04	1.45E-04	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.3E-11	3.2E-10	1.6E-10	1.5E-10	4.5E-11	6.9E-10
528	641920.09	4290762.63	641920.09, 429(	7.94488	7.94316	7.94488	7.81866	6.60E-05	1.06E-05	1.98E-04	1.25E-03	1.53E-03	5.3E-07	1.6E-06	9.2E-07	8.4E-07	3.8E-07	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.8E-10	7.3E-09
529	641960.09	4290762.63	641960.09, 429(	6.06155	6.06042	6.06155	5.98912	5.04E-05	8.06E-06	1.51E-04	9.60E-04	1.17E-03	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.6E-09
530	642000.09	4290762.63	642000.09, 429(	4.78742	4.78663	4.78742	4.74412	3.98E-05	6.36E-06	1.19E-04	7.61E-04	9.26E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	8.5E-11	2.0E-09	1.1E-09	9.5E-10	2.9E-10	4.4E-09
531	642040.09	4290762.63	642040.09, 429(	3.88443	3.88385	3.88443	3.86148	3.23E-05	5.16E-06	9.68E-05	6.19E-04	7.53E-04	2.6E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	6.9E-11	1.7E-09	8.6E-10	7.8E-10	2.4E-10	3.6E-09
532	642080.09	4290762.63	642080.09, 429(	3.21889	3.21846	3.21889	3.21319	2.68E-05	4.28E-06	8.03E-05	5.15E-04	6.26E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	5.7E-11	1.4E-09	7.1E-10	6.5E-10	2.0E-10	3.0E-09
533	642120.09	4290762.63	642120.09, 429(	2.71406	2.71372	2.71406	2.72176	2.26E-05	3.61E-06	6.77E-05	4.36E-04	5.30E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	4.8E-11	1.2E-09	6.0E-10	5.5E-10	1.7E-10	2.5E-09
534	642160.09	4290762.63	642160.09, 429(	2.32292	2.32266	2.32292	2.33959	1.93E-05	3.09E-06	5.79E-05	3.75E-04	4.55E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.2E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
535	642200.09	4290762.63	642200.09, 429(	2.01323	2.01301	2.01323	2.03498	1.67E-05	2.68E-06	5.02E-05	3.26E-04	3.96E-04	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	3.6E-11	8.7E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
536	642240.09	4290762.63	642240.09, 429(	1.76256	1.76238	1.76256	1.78659	1.46E-05	2.34E-06	4.39E-05	2.86E-04	3.47E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	3.2E-11	7.7E-10	3.9E-10	3.6E-10	1.1E-10	1.7E-09
537	642280.09	4290762.63	642280.09, 429(	1.55746	1.55732	1.55746	1.58192	1.29E-05	2.07E-06	3.88E-05	2.54E-04	3.07E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	2.8E-11	6.8E-10	3.5E-10	3.2E-10	9.6E-11	1.5E-09
538	642320.09	4290762.63	642320.09, 429(	1.38747	1.38734	1.38747	1.41125	1.15E-05	1.84E-06	3.46E-05	2.26E-04	2.74E-04	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.5E-11	6.1E-10	3.1E-10	2.8E-10	8.6E-11	1.3E-09
539	642360.09	4290762.63	642360.09, 429(	1.24484	1.24474	1.24484	1.26736	1.03E-05	1.66E-06	3.10E-05	2.03E-04	2.46E-04	8.5E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.3E-11	5.4E-10	2.8E-10	2.5E-10	7.7E-11	1.2E-09
540	642400.09	4290762.63	642400.09, 429(	1.12396	1.12387	1.12396	1.14492	9.34E-06	1.49E-06	2.80E-05	1.84E-04	2.22E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.6E-08	2.0E-11	4.9E-10	2.5E-10	2.3E-10	6.9E-11	1.1E-09
541	642440.09	4290762.63	642440.09, 429(	1.02055	1.02048	1.02055	1.03986	8.48E-06	1.36E-06	2.54E-05	1.67E-04	2.02E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	1.8E-11	4.5E-10	2.3E-10	2.1E-10	6.3E-11	9.7E-10
542	642480.09	4290762.63	642480.09, 429(	0.93134	0.93128	0.93134	0.949	7.74E-06	1.24E-06	2.32E-05	1.52E-04	1.84E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.7E-11	4.1E-10	2.1E-10	1.9E-10	5.8E-11	8.8E-10
543	642520.09	4290762.63	642520.09, 429(	0.85386	0.8538	0.85386	0.86993	7.10E-06	1.14E-06	2.13E-05	1.39E-04	1.69E-04	5.8E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	1.5E-11	3.7E-10	1.9E-10	1.7E-10	5.3E-11	8.1E-10
544	642560.09	4290762.63	642560.09, 429(	0.78606	0.78601	0.78606	0.80064	6.53E-06	1.05E-06	1.96E-05	1.28E-04	1.56E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.4E-11	3.4E-10	1.8E-10	1.6E-10	4.9E-11	7.4E-10
545	642600.09	4290762.63	642600.09, 429(	0.72628	0.72624	0.72628	0.73949	6.04E-06	9.66E-07	1.81E-05	1.19E-04	1.44E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.3E-11	3.2E-10	1.6E-10	1.5E-10	4.5E-11	6.9E-10
546	641920.09	4290802.63	641920.09, 429(	7.09017	7.08876	7.09017	6.93636	5.89E-05	9.43E-06	1.77E-04	1.11E-03	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.5E-09
547	641960.09	4290802.63	641960.09, 429(	5.5066	5.50564	5.5066	5.41597	4.58E-05	7.32E-06	1.37E-04	8.68E-04	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	9.7E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
548	642000.09	4290802.63	642000.09, 429(	4.40993	4.40925	4.40993	4.35179	3.66E-05	5.86E-06	1.10E-04	6.98E-04	8.50E-04	2.9E-07	8.9E-07	5.1E-07	4.7E-07	2.1E-07	7.8E-11	1.9E-09	9.7E-10	8.8E-10	2.7E-10	4.1E-09
549	642040.09	4290802.63	642040.09, 429(	3.61842	3.61791	3.61842	3.57734	3.01E-05	4.81E-06	9.02E-05	5.73E-04	6.99E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	6.4E-11	1.5E-09	7.9E-10	7.2E-10	2.2E-10	3.3E-09
550	642080.09	4290802.63	642080.09, 429(	3.02805	3.02766	3.02805	2.99851	2.52E-05	4.03E-06	7.55E-05	4.81E-04	5.85E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	5.4E-11	1.3E-09	6.7E-10	6.0E-10	1.8E-10	2.8E-09
551	642120.09	4290802.63	642120.09, 429(	2.5748	2.5745	2.5748	2.55561	2.14E-05	3.42E-06	6.42E-05	4.10E-04	4.99E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	4.6E-11	1.1E-09	5.7E-10	5.1E-10	1.6E-10	2.4E-09
552	642160.09	4290802.63	642160.09, 429(	2.21972	2.21948	2.21972	2.21014	1.84E-05	2.95E-06	5.53E-05	3.54E-04	4.31E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	3.9E-11	9.5E-10	4.9E-10	4.4E-10	1.3E-10	2.1E-09
553	642200.09	4290802.63	642200.09, 429(	1.93533	1.93513	1.93533	1.93382	1.61E-05	2.57E-06	4.83E-05	3.10E-04	3.77E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	3.4E-11	8.3E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
554	642240.09	4290802.63	642240.09, 429(	1.70315	1.70299	1.70315	1.70775	1.42E-05	2.26E-06	4.25E-05	2.74E-04	3.33E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.0E-11	7.3E-10	3.8E-10	3.4E-10	1.0E-10	1.6E-09
555	642280.09	4290802.63	642280.09, 429(	1.51159	1.51146	1.51159	1.52037	1.26E-05	2.01E-06	3.77E-05	2.44E-04	2.96E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.7E-11	6.5E-10	3.4E-10	3.1E-10	9.2E-11	1.4E-09
556	642320.09	4290802.63	642320.09, 429(	1.35165	1.35153	1.35165	1.36304	1.12E-05	1.80E-06	3.37E-05	2.19E-04	2.65E-04	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.6E-08	2.4E-11	5.9E-10	3.0E-10	2.7E-10	8.3E-11	1.3E-09
557	642360.09	4290802.63	642360.09, 429(	1.21658	1.21649	1.21658	1.22941	1.01E-05	1.62E-06	3.03E-05	1.97E-04	2.39E-04	8.3E-08	2.5E-07	1.4E-07	1.3E-07	6.0E-08	2.2E-11	5.3E-10	2.7E-10	2.5E-10	7.5E-11	1.1E-09
558	642400.09	4290802.63	642400.09, 429(	1.10147	1.10138	1.10147	1.11488	9.15E-06	1.46E-06	2.75E-05	1.79E-04	2.17E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.0E-11	4.8E-10	2.5E-10	2.2E-10	6.8E-11	1.0E-09
559	642440.09	4290802.63	642440.09, 429(	1.00249	1.00242	1.00249	1.01593	8.33E-06	1.33E-06	2.50E-05	1.63E-04	1.98E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	1.8E-11	4.4E-10	2.2E-10	2.0E-10	6.2E-11	9.4E-10
560	642480.09	4290802.63	642480.09, 429(	0.91676	0.9167	0.91676	0.92986	7.62E-06	1.22E-06	2.29E-05	1.49E-04	1.81E-04	6.3E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.7E-11	4.0E-10	2.1E-10	1.9E-10	5.6E-11	8.6E-10
561	642520.09	4290802.63	642520.09, 429(	0.84199	0.84193	0.84199	0.85453	7.00E-06	1.12E-06	2.10E-05	1.37E-04	1.66E-04	5.7E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.5E-11	3.7E-10	1.9E-10	1.7E-10	5.2E-11	7.9E-10
562	642560.09	4290802.63	642560.09, 429(	0.77633	0.77628	0.77633	0.7882	6.45E-06	1.03E-06	1.94E-05	1.26E-04	1.53E-04	5.3E-08	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.4E-11	3.4E-10	1.7E-10	1.6E-10	4.8E-11	7.3E-10
563	642600.09	4290802.63	642600.09, 429(	0.71828	0.71824	0.71828	0.72942	5.97E-06	9.55E-07	1.79E-05	1.17E-04	1.42E-04	4.9E-08	1.5E-07	8.6E-08	7.8E-08	3.5E-08	1.3E-11	3.1E-10	1.6E-10	1.5E-10	4.4E-11	6.8E-10
564	641920.09	4290842.63	641920.09, 429(	6.3532	6.35203	6.3532	6.18313	5.28E-05	8.45E-06	1.58E-04	9.91E-04	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.8E-09
565	641960.09	4290842.63	641960.09, 429(	5.01605	5.01523	5.01605	4.91377	4.17E-05	6.67E-06	1.25E-04	7.88E-04	9.61E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	8.8E-11	2.1E-09	1.1E-09	9.9E-10	3.0E-10	4.6E-09
566	642000.09	4290842.63	642000.09, 429(	4.0655	4.06491	4.0655	4.00115	3.38E-05	5.41E-06	1.01E-04	6.41E-04	7.82E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	7.1E-11	1.7E-09	8.9E-10	8.1E-10	2.4E-10	3.7E-09
567	642040.09	4290842.63	642040.09, 429(	3.36907	3.36863	3.36907	3.32453	2.80E-05	4.48E-06	8.40E-05	5.33E-04	6.49E-04	2.2E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	5.9E-11	1.4E-09	7.4E-10	6.7E-10	2.0E-10	3.1E-09
568	642080.09	4290842.63	642080.09, 429(	2.84165	2.84131	2.84165	2.80719	2.36E-05	3.78E-06	7.08E-05	4.50E-04	5.48E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.0E-11	1.2E-09	6.2E-10	5.7E-10	1.7E-10	2.6E-09
569	642120.09	4290842.63	642120.09, 429(	2.43215	2.43188	2.43215	2.40415	2.02E-05	3.23E-06	6.06E-05	3.85E-04	4.69E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.3E-11	1.0E-09	5.3E-10	4.8E-10	1.5E-10	2.2E-09
570	642160.09	4290842.63	642160.09, 429(	2.11017	2.10995	2.11017	2.08802	1.75E-05	2.81E-06	5.26E-05	3.35E-04	4.08E-04	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	3.7E-11	9.0E-10	4.6E-10	4.2E-10	1.3E-10	1.9E-09
571	642200.09	4290842.63	642200.09, 429(	1.85016	1.84998	1.85016	1.83415	1.54E-05	2.46E-06	4.61E-05	2.94E-04	3.58E-04	1.2E-07	3.7E-07	2.2E-07	2.0E-07	9.0E-08	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
572	642240.09	4290842.63	642240.09, 429(	1.63644	1.63629	1.63644	1.62644	1.36E-05	2.18E-06	4.08E-05	2.61E-04	3.17E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	2.9E-11	7.0E-10	3.6E-10	3.3E-10	9.9E-11	1.5E-09
573	642280.09	4290842.63	642280.09, 429(	1.45891	1.45879	1.45891	1.45424	1.21E-05	1.94E-06	3.64E-05	2.33E-04	2.84E-04	9.8E-08	3.0E-07	1.7E-07	1.6E-07	7.1E-08	2.6E-11	6.3E-10	3.2E-10	2.9E-10	8.9E-11	1.4E-09
574	642320.09	4290842.63	642320.09, 429(	1.30969	1.30958	1.30969	1.30933	1.09E-05	1.74E-06	3.27E-05	2.10E-04	2.55E-04	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.3E-11	5.6E-10	2.9E-10	2.6E-10	8.0E-11	1.2E-09
575	642360.09	4290842.63	642360.09, 429(	1.18293	1.18284	1.18293	1.18584	9.83E-06	1.57E-06	2.95E-05	1.90E-04	2.31E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
576	642400.09	4290842.63	642400.09, 429(	1.07428	1.0742	1.07428	1.07951	8.93E-06	1.43E-06	2.68E-05	1.73E-04	2.10E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	1.9E-11	4.6E-10	2.4E-10	2.2E-10	6.6E-11	1.0E-09
577	642440.09	4290842.63	642440.09, 429(	0.98039	0.98032	0.98039	0.98716	8.15E-06	1.30E-06	2.44E-05	1.58E-04	1.92E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	1.8E-11	4.2E-10	2.2E-10	2.0E-10	6.0E-11	9.2E-10
578	642480.09	4290842.63	642480.09, 429(	0.89868	0.89862	0.89868	0.90638	7.47E-06	1.19E-06	2.24E-05	1.45E-04	1.76E-04	6.1E-08	1.8E-07	1.1E-07	9.7E-08	4.4E-08	1.6E-11	3.9E-10	2.0E-10	1.8E-10	5.5E-11	8.4E-10
579	642520.09	4290842.63	642520.09, 429(	0.8271	0.82705	0.8271	0.8353	6.87E-06	1.10E-06	2.06E-05	1.34E-04	1.63E-04	5.6E-08	1.7E-07	9.8E-08	8.9E-08	4.1E-08	1.5E-11	3.6E-10	1.8E-10	1.7E-10	5.1E-11	7.8E-10
580	642560.09	4290842.63	642560.09, 429(	0.76398	0.76394	0.76398	0.77235	6.35E-06	1.02E-06	1.90E-05	1.24E-04	1.50E-04	5.2E-08	1.6E-07	9.1E-08	8.2E-08	3.8E-08	1.4E-11	3.3E-10	1.7E-10	1.5E-10	4.7E-11	7.2E-10
581	642600.09	4290842.63	642600.09, 429(	0.70809	0.70805	0.70809	0.71641	5.88E-06	9.42E-07	1.77E-05	1.15E-04	1.39E-04	4.8E-08	1.5E-07	8.4E-08	7.6E-08	3.5E-08	1.3E-11	3.1E-10	1.6E-10	1.4E-10	4.4E-11	6.7E-10
582	641920.09	4290882.63	641920.09, 429(	5.69839	5.69742	5.69839	5.52706	4.74E-05	7.58E-06	1.42E-04	8.86E-04	1.08E-03	3.7E-07	1.1E-06	6.6E-07	5.9E-07	2.7E-07	9.9E-11	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
583	641960.09	4290882.63	641960.09, 429(	4.57402	4.57332	4.57402	4.46553	3.80E-05	6.08E-06	1.14E-04	7.16E-04	8.74E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	8.0E-11	1.9E-09	9.9E-10	9.0E-10	2.7E-10	4.2E-09
584	642000.09	4290882.63	642000.09, 429(	3.75504	3.75452	3.75504	3.68395	3.12E-05	4.99E-06	9.36E-05	5.91E-04	7.20E-04	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	6.6E-11	1.6E-09	8.2E-10	7.4E-10	2.2E-10	3.4E-09
585	642040.09	4290882.63	642040.09, 429(	3.14044	3.14005	3.14044	3.09328	2.61E-05	4.18E-06	7.83E-05	4.96E-04	6.04E-04	2.1E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	5.5E-11	1.3E-09	6.9E-10	6.2E-10	1.9E-10	2.9E-09
586	642080.09	4290882.63	642080.09, 429(	2.66925	2.66894	2.66925	2.63478	2.22E-05	3.55E-06	6.65E-05	4.22E-04	5.15E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.7E-11	1.1E-09	5.9E-10	5.3E-10	1.6E-10	2.5E-09
587	642120.09	4290882.63	642120.09, 429(	2.30054	2.30029	2.30054	2.27202	1.91E-05	3.06E-06	5.74E-05	3.64E-04	4.44E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.1E-11	9.8E-10	5.0E-10	4.6E-10	1.4E-10	2.1E-09
588	642160.09	4290882.63	642160.09, 429(	2.0032	2.003	2.0032	1.97852	1.66E-05	2.66E-06	4.99E-05	3.17E-04	3.86E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	3.5E-11	8.5E-10	4.4E-10	4.0E-10	1.2E-10	1.8E-09
589	642200.09	4290882.63	642200.09, 429(	1.76414	1.76398	1.76414	1.74275	1.47E-05	2.35E-06	4.40E-05	2.79E-04	3.40E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	3.1E-11	7.5E-10	3.9E-10	3.5E-10	1.1E-10	1.6E-09
590	642240.09	4290882.63	642240.09, 429(	1.56707	1.56694	1.56707	1.54947	1.30E-05	2.08E-06	3.91E-05	2.48E-04	3.03E-04	1.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	2.8E-11	6.7E-10	3.4E-10	3.1E-10	9.4E-11	1.4E-09
591	642280.09	4290882.63	642280.09, 429(	1.4027	1.40258	1.4027	1.38925	1.17E-05	1.87E-06	3.50E-05	2.23E-04	2.71E-04	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.5E-11	6.0E-10	3.1E-10	2.8E-10	8.5E-11	1.3E-09
592	642320.09	4290882.63	642320.09, 429(	1.26391	1.26382	1.26391	1.25459	1.05E-05	1.68E-06	3.15E-05	2.01E-04	2.45E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
593	642360.09	4290882.63	642360.09, 429(	1.14548	1.1454	1.14548	1.13991	9.52E-06	1.52E-06	2.86E-05	1.83E-04	2.22E-04	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.6E-08	2.0E-11	4.9E-10	2.5E-10	2.3E-10	6.9E-11	1.1E-09
594	642400.09	4290882.63	642400.09, 429(	1.04353	1.04346	1.04353	1.04112	8.67E-06	1.39E-06	2.60E-05	1.67E-04	2.03E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	1.9E-11	4.5E-10	2.3E-10	2.1E-10	6.3E-11	9.7E-10
595	642440.09	4290882.63	642440.09, 429(	0.95502	0.95496	0.95502	0.95514	7.94E-06	1.27E-06	2.38E-05	1.53E-04	1.86E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.7E-08	1.7E-11	4.1E-10	2.1E-10	1.9E-10	5.8E-11	8.9E-10
596	642480.09	4290882.63	642480.09, 429(	0.87764	0.87758	0.87764	0.87968	7.29E-06	1.17E-06	2.19E-05	1.41E-04	1.71E-04	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	1.6E-11	3.8E-10	1.9E-10	1.8E-10	5.4E-11	8.2E-10
597	642520.09	4290882.63	642520.09, 429(	0.80958	0.80953	0.80958	0.81301	6.73E-06	1.08E-06	2.02E-05	1.30E-04	1.58E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.4E-11	3.5E-10	1.8E-10	1.6E-10	4.9E-11	7.6E-10
598	642560.09	4290882.63	642560.09, 429(	0.74935	0.7493	0.74935	0.75375	6.23E-06	9.96E-07	1.87E-05	1.21E-04	1.47E-04	5.1E-08	1.5E-07	8.9E-08	8.0E-08	3.7E-08	1.3E-11	3.2E-10	1.7E-10	1.5E-10	4.6E-11	7.0E-10
599	642600.09	4290882.63	642600.09, 429(	0.69578	0.69574	0.69578	0.70081	5.78E-06	9.25E-07	1.73E-05	1.12E-04	1.36E-04	4.7E-08	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.2E-11	3.0E-10	1.6E-10	1.4E-10	4.3E-11	6.5E-10
600	641450.64	4290754.44	641450.64, 429(	6.23342	6.23479	6.23342	5.66375	5.18E-05	8.29E-06	1.55E-04	9.08E-04	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.5E-10	5.4E-09
601	641490.64	4290754.44	641490.64, 429(	8.39303	8.39522	8.39303	7.55045	6.98E-05	1.12E-05	2.09E-04	1.21E-03	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.8E-07	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.7E-10	7.2E-09
602	641530.64	4290754.44	641530.64, 429(	11.98376	11.98752	11.98376	10.59006	9.96E-05	1.59E-05	2.99E-04	1.70E-03	2.11E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
603	641570.64	4290754.44	641570.64, 429(	18.16254	18.16924	18.16254	15.54421	1.51E-04	2.42E-05	4.53E-04	2.49E-03	3.12E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	2.9E-10	6.9E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
604	641610.64	4290754.44	641610.64, 429(	28.76942	28.78097	28.76942	23.21355	2.39E-04	3.83E-05	7.17E-04	3.72E-03	4.72E-03	1.6E-06	4.9E-06	2.9E-06	2.6E-06	1.2E-06	4.3E-10	1.0E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
605	641650.64	4290754.44	641650.64, 429(	43.85558	43.87113	43.85558	32.76409	3.64E-04	5.83E-05	1.09E-03	5.25E-03	6.77E-03	2.3E-06	7.1E-06	4.1E-06	3.7E-06	1.7E-06	6.2E-10	1.5E-08	7.7E-09	7.0E-09	2.1E-09	3.2E-08
606	641450.64	4290794.44	641450.64, 429(	6.4616	6.46305	6.4616	5.85015	5.37E-05	8.59E-06	1.61E-04	9.38E-04	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.6E-10	5.6E-09
607	641490.64	4290794.44	641490.64, 429(	8.72214	8.72441	8.72214	7.79291	7.25E-05	1.16E-05	2.17E-04	1.25E-03	1.55E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.8E-10	7.4E-09
608	641530.64	4290794.44	641530.64, 429(	12.26082	12.26446	12.26082	10.72863	1.02E-04	1.63E-05	3.06E-04	1.72E-03	2.14E-03	7.4E-07	2.2E-06	1.3E-06	1.2E-06	5.4E-07	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
609	641570.64	4290794.44	641570.64, 429(	17.68473	17.69037	17.68473	14.98518	1.47E-04	2.35E-05	4.41E-04	2.40E-03	3.01E-03	1.0E-06	3.1E-06	1.8E-06	1.7E-06	7.5E-07	2.8E-10	6.7E-09	3.4E-09	3.1E-09	9.4E-10	1.4E-08
610	641610.64	4290794.44	641610.64, 429(	25.13329	25.14096	25.13329	20.38307	2.09E-04	3.34E-05	6.27E-04	3.27E-03	4.14E-03	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	3.8E-10	9.1E-09	4.7E-09	4.3E-09	1.3E-09	2.0E-08
611	641650.64	4290794.44	641650.64, 429(	33.00361	33.01134	33.00361	25.61105	2.74E-04	4.39E-05	8.23E-04	4.11E-03	5.25E-03	1.8E-06	5.5E-06	3.2E-06	2.9E-06	1.3E-06	4.8E-10	1.2E-08	6.0E-09	5.4E-09	1.6E-09	2.5E-08
612	641450.64	4290834.44	641450.64, 429(	6.63085	6.63231	6.63085	5.99081	5.51E-05	8.82E-06	1.65E-04	9.60E-04	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.1E-10	2.6E-09	1.4E-09	1.2E-09	3.7E-10	5.7E-09
613	641490.64	4290834.44	641490.64, 429(	8.82742	8.82959	8.82742	7.87011	7.34E-05	1.17E-05	2.20E-04	1.26E-03	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.4E-10	3.5E-09	1.8E-09	1.6E-09	4.9E-10	7.5E-09
614	641530.64	4290834.44	641530.64, 429(	11.97552	11.97867	11.97552	10.47628	9.95E-05	1.59E-05	2.99E-04	1.68E-03	2.09E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.5E-10	1.0E-08
615	641570.64	4290834.44	641570.64, 429(	16.19775	16.20197	16.19775	13.79055	1.35E-04	2.15E-05	4.04E-04	2.21E-03	2.77E-03	9.6E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	2.5E-10	6.1E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
616	641610.64	4290834.44	641610.64, 429(	21.05121	21.05601	21.05121	17.34952	1.75E-04	2.80E-05	5.25E-04	2.78E-03	3.51E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.8E-07	3.2E-10	7.7E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
617	641650.64	4290834.44	641650.64, 429(	25.11969	25.12367	25.11969	20.16811	2.09E-04	3.34E-05	6.26E-04	3.23E-03	4.10E-03	1.4E-06	4.3E-06	2.5E-06	2.2E-06	1.0E-06	3.7E-10	9.1E-09	4.7E-09	4.2E-09	1.3E-09	2.0E-08
618	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
619	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
620	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
621	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
622	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
623	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
624	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
625	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
626	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
627	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
628	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
629	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
630	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
631	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
632	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

633	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
634	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
635	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
636	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
637	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
638	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
639	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
640	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
641	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
642	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
643	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
644	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
645	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
646	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
647	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Residential DOSEair = **(Cair*(BR/BW)*A*EF*10^{-6})**

A	1	Inhalation absorption factor[1]
EF	0.96	Exposure frequency (350/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk = **DOSEair * CPF * ASF * ED/AT * FAH**

CPF	0.0087	Cancer Potency Factor for Ethylbenzene[4]
AT	70	Averaging Time[5]

Age	BR/BW	ASF	FAH	ED (Ops)
3rd	361	10	0.85	0.25
0<2	1090	10	0.85	2
2<9	631	3	0.72	7
9<16	572	3	0.72	7
16<30	261	1	0.73	13.75

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for Benzene, OEHHA 2015, Table 7.1, page 7-4
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Operational Risk - Fueling (Naphthalene)

	Loading	Breathing	Fueling + Hose Permeation	Spillage
Emissions Rate (g/s):	3.46E-08	5.53E-09	1.04E-07	2.16E-05

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s				Unmitigated				
	X	Y	X, Y	Loading	Breathing	Fueling + Hose Permeation	Spillage	Loading	Breathing	Fueling + Hose Permeation	Spillage	Total
1	641284.31	4290506.68	641284.31, 4290	2.28914	2.2894	2.28914	2.24887	7.91E-08	1.27E-08	2.37E-07	4.86E-05	4.90E-05
2	641324.31	4290506.68	641324.31, 4290	2.67219	2.67251	2.67219	2.62615	9.24E-08	1.48E-08	2.77E-07	5.68E-05	5.72E-05
3	641364.31	4290506.68	641364.31, 4290	3.16658	3.167	3.16658	3.11376	1.09E-07	1.75E-08	3.28E-07	6.73E-05	6.78E-05
4	641404.31	4290506.68	641404.31, 4290	3.81615	3.81671	3.81615	3.75744	1.32E-07	2.11E-08	3.96E-07	8.12E-05	8.18E-05
5	641284.31	4290546.68	641284.31, 4290	2.37419	2.37447	2.37419	2.30269	8.21E-08	1.31E-08	2.46E-07	4.98E-05	5.01E-05
6	641324.31	4290546.68	641324.31, 4290	2.78725	2.78761	2.78725	2.6998	9.63E-08	1.54E-08	2.89E-07	5.84E-05	5.88E-05
7	641364.31	4290546.68	641364.31, 4290	3.33085	3.33132	3.33085	3.22046	1.15E-07	1.84E-08	3.45E-07	6.96E-05	7.01E-05
8	641404.31	4290546.68	641404.31, 4290	4.0608	4.06145	4.0608	3.9179	1.40E-07	2.25E-08	4.21E-07	8.47E-05	8.53E-05
9	641284.31	4290586.68	641284.31, 4290	2.44038	2.44068	2.44038	2.33928	8.43E-08	1.35E-08	2.53E-07	5.06E-05	5.09E-05
10	641324.31	4290586.68	641324.31, 4290	2.87714	2.87753	2.87714	2.74864	9.94E-08	1.59E-08	2.98E-07	5.94E-05	5.98E-05
11	641364.31	4290586.68	641364.31, 4290	3.4544	3.45492	3.4544	3.28594	1.19E-07	1.91E-08	3.58E-07	7.11E-05	7.15E-05
12	641404.31	4290586.68	641404.31, 4290	4.23507	4.23579	4.23507	4.00821	1.46E-07	2.34E-08	4.39E-07	8.67E-05	8.73E-05
13	641284.31	4290626.68	641284.31, 4290	2.49133	2.49164	2.49133	2.36987	8.61E-08	1.38E-08	2.58E-07	5.12E-05	5.16E-05
14	641324.31	4290626.68	641324.31, 4290	2.9374	2.93781	2.9374	2.78263	1.02E-07	1.62E-08	3.05E-07	6.02E-05	6.06E-05
15	641364.31	4290626.68	641364.31, 4290	3.53272	3.53327	3.53272	3.32778	1.22E-07	1.95E-08	3.66E-07	7.20E-05	7.25E-05
16	641404.31	4290626.68	641404.31, 4290	4.33498	4.33574	4.33498	4.05774	1.50E-07	2.40E-08	4.49E-07	8.77E-05	8.84E-05
17	641284.31	4290666.68	641284.31, 4290	2.5318	2.53213	2.5318	2.39596	8.75E-08	1.40E-08	2.63E-07	5.18E-05	5.22E-05
18	641324.31	4290666.68	641324.31, 4290	2.98996	2.99039	2.98996	2.81501	1.03E-07	1.65E-08	3.10E-07	6.09E-05	6.13E-05
19	641364.31	4290666.68	641364.31, 4290	3.60758	3.60815	3.60758	3.37189	1.25E-07	2.00E-08	3.74E-07	7.29E-05	7.34E-05
20	641404.31	4290666.68	641404.31, 4290	4.42784	4.42863	4.42784	4.11052	1.53E-07	2.45E-08	4.59E-07	8.89E-05	8.95E-05
21	641284.31	4290706.68	641284.31, 4290	2.56649	2.56683	2.56649	2.41563	8.87E-08	1.42E-08	2.66E-07	5.22E-05	5.26E-05
22	641324.31	4290706.68	641324.31, 4290	3.03692	3.03736	3.03692	2.8413	1.05E-07	1.68E-08	3.15E-07	6.14E-05	6.19E-05
23	641364.31	4290706.68	641364.31, 4290	3.67397	3.67455	3.67397	3.40921	1.27E-07	2.03E-08	3.81E-07	7.37E-05	7.42E-05
24	641404.31	4290706.68	641404.31, 4290	4.52911	4.52993	4.52911	4.17204	1.57E-07	2.51E-08	4.70E-07	9.02E-05	9.09E-05
25	641284.31	4290746.68	641284.31, 4290	2.60298	2.60332	2.60298	2.43528	9.00E-08	1.44E-08	2.70E-07	5.27E-05	5.30E-05
26	641324.31	4290746.68	641324.31, 4290	3.08236	3.08281	3.08236	2.86816	1.07E-07	1.70E-08	3.20E-07	6.20E-05	6.25E-05
27	641364.31	4290746.68	641364.31, 4290	3.73756	3.73816	3.73756	3.45213	1.29E-07	2.07E-08	3.88E-07	7.46E-05	7.52E-05
28	641404.31	4290746.68	641404.31, 4290	4.63986	4.64072	4.63986	4.2535	1.60E-07	2.57E-08	4.81E-07	9.20E-05	9.26E-05
29	641284.31	4290786.68	641284.31, 4290	2.64338	2.64373	2.64338	2.46181	9.14E-08	1.46E-08	2.74E-07	5.32E-05	5.36E-05
30	641324.31	4290786.68	641324.31, 4290	3.13751	3.13798	3.13751	2.9096	1.08E-07	1.74E-08	3.25E-07	6.29E-05	6.34E-05
31	641364.31	4290786.68	641364.31, 4290	3.81428	3.81491	3.81428	3.51655	1.32E-07	2.11E-08	3.96E-07	7.60E-05	7.66E-05
32	641404.31	4290786.68	641404.31, 4290	4.7682	4.7691	4.7682	4.36265	1.65E-07	2.64E-08	4.94E-07	9.43E-05	9.50E-05
33	641284.31	4290826.68	641284.31, 4290	2.6908	2.69116	2.6908	2.50011	9.30E-08	1.49E-08	2.79E-07	5.41E-05	5.44E-05
34	641324.31	4290826.68	641324.31, 4290	3.20671	3.20719	3.20671	2.9688	1.11E-07	1.77E-08	3.33E-07	6.42E-05	6.47E-05
35	641364.31	4290826.68	641364.31, 4290	3.90636	3.90702	3.90636	3.59923	1.35E-07	2.16E-08	4.05E-07	7.78E-05	7.84E-05
36	641404.31	4290826.68	641404.31, 4290	4.90472	4.90565	4.90472	4.48191	1.70E-07	2.71E-08	5.09E-07	9.69E-05	9.76E-05
37	641284.31	4290866.68	641284.31, 4290	2.74392	2.74429	2.74392	2.54817	9.48E-08	1.52E-08	2.85E-07	5.51E-05	5.55E-05
38	641324.31	4290866.68	641324.31, 4290	3.28208	3.28258	3.28208	3.03603	1.13E-07	1.82E-08	3.40E-07	6.56E-05	6.61E-05
39	641364.31	4290866.68	641364.31, 4290	4.00655	4.00723	4.00655	3.68715	1.38E-07	2.22E-08	4.15E-07	7.97E-05	8.03E-05
40	641404.31	4290866.68	641404.31, 4290	5.02308	5.02404	5.02308	4.58414	1.74E-07	2.78E-08	5.21E-07	9.91E-05	9.98E-05
41	641268.28	4290889.76	641268.28, 4290	2.59465	2.59499	2.59465	2.41318	8.97E-08	1.44E-08	2.69E-07	5.22E-05	5.26E-05
42	641308.28	4290889.76	641308.28, 4290	3.08807	3.08852	3.08807	2.85972	1.07E-07	1.71E-08	3.20E-07	6.18E-05	6.23E-05
43	641348.28	4290889.76	641348.28, 4290	3.73698	3.73759	3.73698	3.44498	1.29E-07	2.07E-08	3.87E-07	7.45E-05	7.50E-05
44	641388.28	4290889.76	641388.28, 4290	4.62282	4.62365	4.62282	4.23368	1.60E-07	2.56E-08	4.79E-07	9.15E-05	9.22E-05
45	641428.28	4290889.76	641428.28, 4290	5.83259	5.83374	5.83259	5.29918	2.02E-07	3.23E-08	6.05E-07	1.15E-04	1.15E-04
46	641468.28	4290889.76	641468.28, 4290	7.45425	7.45582	7.45425	6.71314	2.58E-07	4.12E-08	7.73E-07	1.45E-04	1.46E-04
47	641508.28	4290889.76	641508.28, 4290	9.5641	9.56614	9.5641	8.50921	3.31E-07	5.29E-08	9.92E-07	1.84E-04	1.85E-04
48	641548.28	4290889.76	641548.28, 4290	12.10557	12.10804	12.10557	10.588	4.18E-07	6.70E-08	1.26E-06	2.29E-04	2.31E-04
49	641588.28	4290889.76	641588.28, 4290	14.78987	14.79248	14.78987	12.6611	5.11E-07	8.18E-08	1.53E-06	2.74E-04	2.76E-04
50	641628.28	4290889.76	641628.28, 4290	17.04372	17.04593	17.04372	14.29707	5.89E-07	9.43E-08	1.77E-06	3.09E-04	3.12E-04
51	642188.28	4290889.76	642188.28, 4290	1.8141	1.81393	1.8141	1.79156	6.27E-08	1.00E-08	1.88E-07	3.87E-05	3.90E-05
52	642228.28	4290889.76	642228.28, 4290	1.60832	1.60819	1.60832	1.589	5.56E-08	8.89E-09	1.67E-07	3.44E-05	3.46E-05
53	642268.28	4290889.76	642268.28, 4290	1.43746	1.43734	1.43746	1.42185	4.97E-08	7.95E-09	1.49E-07	3.07E-05	3.10E-05
54	642308.28	4290889.76	642308.28, 4290	1.29357	1.29347	1.29357	1.28191	4.47E-08	7.15E-09	1.34E-07	2.77E-05	2.79E-05
55	642348.28	4290889.76	642348.28, 4290	1.17114	1.17105	1.17114	1.16327	4.05E-08	6.48E-09	1.21E-07	2.52E-05	2.53E-05
56	642388.28	4290889.76	642388.28, 4290	1.06597	1.06589	1.06597	1.06146	3.68E-08	5.89E-09	1.11E-07	2.30E-05	2.31E-05
57	642428.28	4290889.76	642428.28, 4290	0.97484	0.97477	0.97484	0.97313	3.37E-08	5.39E-09	1.01E-07	2.10E-05	2.12E-05
58	641268.28	4290929.76	641268.28, 4290	2.64585	2.6462	2.64585	2.46002	9.14E-08	1.46E-08	2.74E-07	5.32E-05	5.36E-05
59	641308.28	4290929.76	641308.28, 4290	3.15136	3.15182	3.15136	2.9161	1.09E-07	1.74E-08	3.27E-07	6.31E-05	6.35E-05
60	641348.28	4290929.76	641348.28, 4290	3.80527	3.80588	3.80527	3.50607	1.32E-07	2.10E-08	3.95E-07	7.58E-05	7.64E-05
61	641388.28	4290929.76	641388.28, 4290	4.66994	4.67075	4.66994	4.28051	1.61E-07	2.58E-08	4.84E-07	9.26E-05	9.32E-05
62	641428.28	4290929.76	641428.28, 4290	5.79894	5.8	5.79894	5.28453	2.00E-07	3.21E-08	6.01E-07	1.14E-04	1.15E-04
63	641468.28	4290929.76	641468.28, 4290	7.2232	7.22456	7.2232	6.53805	2.50E-07	4.00E-08	7.49E-07	1.41E-04	1.42E-04
64	641508.28	4290929.76	641508.28, 4290	8.93237	8.93401	8.93237	8.00344	3.09E-07	4.94E-08	9.26E-07	1.73E-04	1.74E-04
65	641548.28	4290929.76	641548.28, 4290	10.80265	10.80445	10.80265	9.53881	3.73E-07	5.97E-08	1.12E-06	2.06E-04	2.08E-04
66	641588.28	4290929.76	641588.28, 4290	12.57157	12.5733	12.57157	10.9114	4.35E-07	6.95E-08	1.30E-06	2.36E-04	2.38E-04
67	641628.28	4290929.76	641628.28, 4290	13.87408	13.8754	13.87408	11.86802	4.80E-07	7.67E-08	1.44E-06	2.57E-04	2.59E-04
68	642188.28	4290929.76	642188.28, 4290	1.72638	1.72622	1.72638	1.70506	5.97E-08	9.55E-09	1.79E-07	3.69E-05	3.71E-05
69	642228.28	4290929.76	642228.28, 4290	1.53536	1.53523	1.53536	1.5157	5.31E-08	8.49E-09	1.59E-07	3.28E-05	3.30E-05
70	642268.28	4290929.76	642268.28, 4290	1.37694	1.37683	1.37694	1.35907	4.76E-08	7.61E-09	1.43E-07	2.94E-05	2.96E-05
71	642308.28	4290929.76	642308.28, 4290	1.24301	1.24292	1.24301	1.22746	4.30E-08	6.87E-09	1.29E-07	2.65E-05	2.67E-05
72	642348.28	4290929.76	642348.28, 4290	1.12868	1.1286	1.12868	1.11586	3.90E-08	6.24E-09	1.17E-07	2.41E-05	2.43E-05
73	642388.28	4290929.76	642388.28, 4290	1.03034	1.03027	1.03034	1.02039	3.56E-08	5.70E-09	1.07E-07	2.21E-05	2.22E-05
74	642428.28	4290929.76	642428.28, 4290	0.94505	0.94499	0.94505	0.93786	3.27E-08	5.23E-09	9.80E-08	2.03E-05	2.04E-05
75	641268.28	4290969.76	641268.28, 4290	2.69306	2.69342	2.69306	2.5027	9.31E-08	1.49E-08	2.79E-07	5.41E-05	5.45E-05
76	641308.28	4290969.76	641308.28, 4290	3.19864	3.1991	3.19864	2.96024	1.11E-07	1.77E-08	3.32E-07	6.40E-05	6.45E-05
77	641348.28	4290969.76	641348.28, 4290	3.84004	3.84064	3.84004	3.54223	1.33E-07	2.12E-08	3.98E-07	7.66E-05	7.71E-05
78	641388.28	4290969.76	641388.28, 4290	4.65507	4.65583	4.65507	4.28044	1.61E-07	2.57E-08	4.83E-07	9.26E-05	9.32E-05
79	641428.28	4290969.76	641428.28, 4290	5.66695	5.6679	5.66695	5.19114	1.96E-07	3.13E-08	5.88E-07	1.12E-04	1.13E-04
80	641468.28	4290969.76	641468.28, 4290	6.86794	6.86908	6.86794	6.25679	2.37E-07	3.80E-08	7.12E-07	1.35E-04	1.36E-04
81	641508.28	4290969.76	641508.28, 4290	8.2055	8.20678	8.2055	7.40735	2.84E-07	4.54E-08	8.51E-07	1.60E-04	1.61E-04
82	641548.28	4290969.76	641548.28, 4290	9.55044	9.55174	9.55044	8.51132	3.30E-07	5.28E-08	9.90E-07	1.84E-04	1.85E-04
83	641588.28	4290969.76	641588.28, 4290	10.70898	10.71013	10.70898	9.40958	3.70E-07	5.92E-08	1.11E-06	2.03E-04	2.05E-04
84	641628.28	4290969.76	641628.28, 4290	11.45991	11.46073	11.45991	9.96399	3.96E-07	6.34E-08	1.19E-06	2.15E-04	2.17E-04
85	641668.28	4290969.76	641668.28, 4290	11.62213	11.62246	11.62213	10.08546	4.02E-07	6.43E-08	1.21E-06	2.18E-04	2.20E-04
86	641708.28	4290969.76	641708.28, 4290	11.11782	11.11759	11.11782	9.73205	3.84E-07	6.15E-08	1.15E-06	2.10E-04	2.12E-04
87	641748.28	4290969.76	641748.28, 4290	10.0351	10.03442	10.0351	8.94013	3.47E-07	5.55E-08	1.04E-06	1.93E-04	1.95E-04
88	641788.28	4290969.76	641788.28, 4290	8.62011	8.61919	8.62011	7.86025	2.98E-07	4.77E-08	8.94E-07	1.70E-04	1.71E-04
89	641828.28	4290969.76	641828.28, 4290	7.16553	7.16459	7.16553	6.6929	2.48E-07	3.96E-08	7.43E-07	1.45E-04	1.46E-04
90	641868.28	4290969.76	641868.28, 4290	5.87668	5.87586	5.87668	5.59229	2.03E-07	3.25E-08	6.09E-07	1.21E-04	1.22E-04
91	641908.28	4290969.76	641908.28, 4290	4.8181	4.81742	4.8181	4.63892	1.67E-07	2.66E-08	5.00E-07	1.00E-04	1.01E-04
92	641948.28	4290969.76	641948.28, 4290	3.98329	3.98276	3.98329	3.86069	1.38E-07	2.20E-08	4.13E-07	8.35E-05	8.41E-05
93	642188.28	4290969.76	642188.28, 4290	1.64462	1.64448	1.64462	1.62506	5.68E-08	9.09E-09	1.71E-07	3.51E-05	3.54E-05
94	642228.28	4290969.76	642228.28, 4290	1.4674	1.46728	1.4674	1.44957	5.07E-08	8.11E-09	1.52E-07	3.13E-05	3.16E-05
95	642268.28	4290969.76	642268.28, 4290	1.3201	1.31999	1.3201	1.30314	4.56E-08	7.30E-09	1.37E-07	2.82E-05	2.84E-05
96	642308.28	4290969.76	642308.28, 4290	1.19495	1.19486	1.19495	1.17897	4.13E-08	6.61E-09	1.24E-07	2.55E-05	2.57E-05
97	642348.28	4290969.76	642348.28, 4290	1.08742	1.08735	1.08742	1.07285	3.76E-08	6.01E-09	1.13E-07	2.32E-05	2.34E-05

Discrete Receptor ID	Residential Dose					Risk by Age Group					
	3rd	0<2	2<9	9<16	16<30	3rd	0<2	2<9	9<16	16<30	Total Risk
1	1.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	6.2E-11	1.5E-09	7.7E-10	7.0E-10	2.1E-10	3.2E-09
2	2.0E-08	6.0E-08	3.5E-08	3.1E-08	1.4E-08	7.2E-11	1.7E-09	9.0E-10	8.1E-10	2.5E-10	3.8E-09
3	2.3E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.5E-09
4	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.5E-10	5.4E-09
5	1.7E-08	5.2E-08	3.0E-08	2.7E-08	1.3E-08	6.3E-11	1.5E-09	7.9E-10	7.1E-10	2.2E-10	3.3E-09
6	2.0E-08	6.1E-08	3.6E-08	3.2E-08	1.5E-08	7.4E-11	1.8E-09	9.2E-10	8.4E-10	2.5E-10	3.9E-09
7	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.8E-08	8.8E-11	2.1E-09	1.1E-09	1.0E-09	3.0E-10	4.6E-09
8	3.0E-08	8.9E-08	5.2E-08	4.7E-08	2.1E-08	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.6E-09
9	1.8E-08	5.3E-08	3.1E-08	2.8E-08	1.3E-08	6.4E-11	1.6E-09	8.0E-10	7.2E-10	2.2E-10	3.4E-09
10	2.1E-08	6.3E-08	3.6E-08	3.3E-08	1.5E-08	7.5E-11	1.8E-09	9.4E-10	8.5E-10	2.6E-10	3.9E-09
11	2.5E-08	7.5E-08	4.3E-08	3.9E-08	1.8E-08	9.0E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.7E-09
12	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.8E-09
13	1.8E-08	5.4E-08	3.1E-08	2.8E-08	1.3E-08	6.5E-11	1.6E-09	8.1E-10	7.3E-10	2.2E-10	3.4E-09
14	2.1E-08	6.3E-08	3.7E-08	3.3E-08	1.5E-08	7.6E-11	1.8E-09	9.5E-10	8.6E-10	2.6E-10	4.0E-09
15	2.5E-08	7.6E-08	4.4E-08	4.0E-08	1.8E-08	9.1E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
16	3.1E-08	9.2E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.8E-10	5.8E-09
17	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.6E-11	1.6E-09	8.2E-10	7.4E-10	2.2E-10	3.4E-09
18	2.1E-08	6.4E-08	3.7E-08	3.4E-08	1.5E-08	7.7E-11	1.9E-09	9.6E-10	8.7E-10	2.6E-10	4.0E-09
19	2.5E-08	7.7E-08	4.4E-08	4.0E-08	1.8E-08	9.3E-11	2.2E-09	1.2E-09	1.0E-09	3.2E-10	4.8E-09
20	3.1E-08	9.4E-08	5.4E-08	4.9E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.9E-10	5.9E-09
21	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.6E-11	1.6E-09	8.2E-10	7.5E-10	2.3E-10	3.5E-09
22	2.1E-08	6.5E-08	3.7E-08	3.4E-08	1.5E-08	7.8E-11	1.9E-09	9.7E-10	8.8E-10	2.7E-10	4.1E-09
23	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	9.4E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
24	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
25	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.7E-11	1.6E-09	8.3E-10	7.5E-10	2.3E-10	3.5E-09
26	2.2E-08	6.5E-08	3.8E-08	3.4E-08	1.6E-08	7.9E-11	1.9E-09	9.8E-10	8.9E-10	2.7E-10	4.1E-09
27	2.6E-08	7.9E-08	4.5E-08	4.1E-08	1.9E-08	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	5.0E-09
28	3.2E-08	9.7E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.5E-09	1.3E-09	4.0E-10	6.1E-09
29	1.9E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	6.8E-11	1.6E-09	8.4E-10	7.6E-10	2.3E-10	3.5E-09
30	2.2E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	8.0E-11	1.9E-09	9.9E-10	9.0E-10	2.7E-10	4.2E-09
31	2.7E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	9.7E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
32	3.3E-08	9.9E-08	5.7E-08	5.2E-08	2.4E-08	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.1E-10	6.3E-09
33	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.9E-11	1.7E-09	8.5E-10	7.7E-10	2.3E-10	3.6E-09
34	2.2E-08	6.8E-08	3.9E-08	3.5E-08	1.6E-08	8.2E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.3E-09
35	2.7E-08	8.2E-08	4.7E-08	4.3E-08	2.0E-08	9.9E-11	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
36	3.4E-08	1.0E-07	5.9E-08	5.4E-08	2.4E-08	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
37	1.9E-08	5.8E-08	3.4E-08	3.0E-08	1.4E-08	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.7E-09
38	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.7E-08	8.3E-11	2.0E-09	1.0E-09	9.4E-10	2.8E-10	4.4E-09
39	2.8E-08	8.4E-08	4.9E-08	4.4E-08	2.0E-08	1.0E-10	2.4E-09	1.3E-09	1.1E-09	3.5E-10	5.3E-09
40	3.5E-08	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.3E-10	3.0E-09	1.6E-09	1.4E-09	4.3E-10	6.6E-09
41	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.6E-11	1.6E-09	8.2E-10	7.5E-10	2.3E-10	3.5E-09
42	2.2E-08	6.5E-08	3.8E-08	3.4E-08	1.6E-08	7.9E-11	1.9E-09	9.8E-10	8.9E-10	2.7E-10	4.1E-09
43	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
44	3.2E-08	9.6E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.4E-09	1.3E-09	4.0E-10	6.1E-09
45	4.0E-08	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.5E-10	3.5E-09	1.8E-09	1.6E-09	5.0E-10	7.6E-09
46	5.1E-08	1.5E-07	8.8E-08	8.0E-08	3.7E-08	1.8E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
47	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	8.0E-10	1.2E-08
48	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
49	9.6E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.5E-10	8.4E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
50	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.8E-08	3.9E-10	9.5E-09	4.9E-09	4.4E-09	1.3E-09	2.1E-08
51	1.4E-08	4.1E-08	2.4E-08	2.1E-08	9.8E-09	4.9E-11	1.2E-09	6.1E-10	5.5E-10	1.7E-10	2.6E-09
52	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.7E-09	4.4E-11	1.1E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
53	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.7E-09	3.9E-11	9.4E-10	4.9E-10	4.4E-10	1.3E-10	2.0E-09
54	9.7E-09	2.9E-08	1.7E-08	1.5E-08	7.0E-09	3.5E-11	8.5E-10	4.4E-10	4.0E-10	1.2E-10	1.8E-09
55	8.8E-09	2.6E-08	1.5E-08	1.4E-08	6.3E-09	3.2E-11	7.7E-10	4.0E-10	3.6E-10	1.1E-10	1.7E-09
56	8.0E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.9E-11	7.0E-10	3.6E-10	3.3E-10	1.0E-10	1.5E-09
57	7.3E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.1E-11	1.4E-09
58	1.9E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	6.8E-11	1.6E-09	8.4E-10	7.6E-10	2.3E-10	3.5E-09
59	2.2E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	8.0E-11	1.9E-09	1.0E-09	9.0E-10	2.7E-10	4.2E-09
60	2.6E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	9.6E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
61	3.2E-08	9.7E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.5E-09	1.3E-09	4.0E-10	6.1E-09
62	4.0E-08	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.5E-10	3.5E-09	1.8E-09	1.6E-09	5.0E-10	7.6E-09
63	4.9E-08	1.5E-07	8.6E-08	7.8E-08	3.6E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.4E-09
64	6.0E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.1E-08
65	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.6E-10	6.3E-09	3.3E-09	3.0E-09	8.9E-10	1.4E-08
66	8.2E-08	2.5E-07	1.4E-07	1.3E-07	6.0E-08	3.0E-10	7.2E-09	3.7E-09	3.4E-09	1.0E-09	1.6E-08
67	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.3E-10	7.9E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
68	1.3E-08	3.9E-08	2.2E-08	2.0E-08	9.3E-09	4.7E-11	1.1E-09	5.8E-10	5.3E-10	1.6E-10	2.4E-09
69	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.3E-09	4.2E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
70	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.7E-11	9.0E-10	4.6E-10	4.2E-10	1.3E-10	2.0E-09
71	9.2E-09	2.8E-08	1.6E-08	1.5E-08	6.7E-09	3.4E-11	8.1E-10	4.2E-10	3.8E-10	1.2E-10	1.8E-09
72	8.4E-09	2.5E-08	1.5E-08	1.3E-08	6.1E-09	3.1E-11	7.4E-10	3.8E-10	3.5E-10	1.0E-10	1.6E-09
73	7.7E-09	2.3E-08	1.3E-08	1.2E-08	5.6E-09	2.8E-11	6.8E-10	3.5E-10	3.2E-10	9.6E-11	1.5E-09
74	7.1E-09	2.1E-08	1.2E-08	1.1E-08	5.1E-09	2.6E-11	6.2E-10	3.2E-10	2.9E-10	8.8E-11	1.3E-09
75	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.9E-11	1.7E-09	8.5E-10	7.7E-10	2.3E-10	3.6E-09
76	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	8.1E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.3E-09
77	2.7E-08	8.1E-08	4.7E-08	4.2E-08	1.9E-08	9.7E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
78	3.2E-08	9.7E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.5E-09	1.3E-09	4.0E-10	6.1E-09
79	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.9E-10	7.5E-09
80	4.7E-08	1.4E-07	8.2E-08	7.5E-08	3.4E-08	1.7E-10	4.2E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
81	5.6E-08	1.7E-07	9.8E-08	8.9E-08	4.0E-08	2.0E-10	4.9E-09	2.5E-09	2.3E-09	6.9E-10	1.1E-08
82	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	8.0E-10	1.2E-08
83	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.4E-08
84	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.7E-10	6.6E-09	3.4E-09	3.1E-09	9.3E-10	1.4E-08
85	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.8E-10	6.7E-09	3.4E-09	3.1E-09	9.5E-10	1.4E-08
86	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.7E-10	6.5E-09	3.3E-09	3.0E-09	9.1E-10	1.4E-08
87	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.5E-10	5.9E-09	3.1E-09	2.8E-09	8.4E-10	1.3E-08
88	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.2E-10	5.2E-09	2.7E-09	2.4E-09	7.4E-10	1.1E-08
89	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
90	4.2E-08	1.3E-07	7.4E-08	6.7E-08	3.0E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	8.0E-09
91	3.5E-08	1.1E-07	6.1E-08	5.5E-08	2.5E-08	1.3E-10	3.1E-09	1.6E-09	1.4E-09	4.3E-10	6.7E-09
92	2.9E-08	8.8E-08	5.1E-08	4.6E-08	2.1E-08	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
93	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.9E-09	4.5E-11	1.1E-09	5.5E-10	5.0E-10	1.5E-10	2.3E-09
94	1.1E-08	3.3E-08	1.9E-08	1.7E-08	7.9E-09	4.0E-11	9.6E-10	4.9E-10	4.5E-10	1.4E-10	2.1E-09
95	9.8E-09	3.0E-08	1.7E-08	1.6E-08	7.1E-09	3.6E-11	8.6E-10	4.4E-10	4.0E-10	1.2E-10	1.9E-09
96	8.9E-09	2.7E-08	1.6E-08	1.4E-08	6.4E-09	3.2E-11	7.8E-10	4.0E-10	3.6E-10	1.1E-10	1.7E-09
97	8.1E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.9E-11	7.1E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09

98	642388.28	4290969.76	642388.28, 4290	0.9946	0.99454	0.9946	0.98186	3.44E-08	5.50E-09	1.03E-07	2.12E-05	2.14E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.5E-10	3.4E-10	3.0E-10	9.2E-11	1.4E-09
99	642428.28	4290969.76	642428.28, 4290	0.91426	0.9142	0.91426	0.9036	3.16E-08	5.06E-09	9.48E-08	1.95E-05	1.97E-05	6.8E-09	2.1E-08	1.2E-08	1.1E-08	4.9E-09	2.5E-11	6.0E-10	3.1E-10	2.8E-10	8.5E-11	1.3E-09
100	641268.28	4291009.76	641268.28, 4291	2.72858	2.72894	2.72858	2.5363	9.43E-08	1.51E-08	2.83E-07	5.48E-05	5.52E-05	1.9E-08	5.8E-08	3.3E-08	3.0E-08	1.4E-08	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.6E-09
101	641308.28	4291009.76	641308.28, 4291	3.22289	3.22334	3.22289	2.98764	1.11E-07	1.78E-08	3.34E-07	6.46E-05	6.51E-05	2.3E-08	6.8E-08	3.9E-08	3.6E-08	1.6E-08	8.2E-11	2.0E-09	1.0E-09	9.3E-10	2.8E-10	4.3E-09
102	641348.28	4291009.76	641348.28, 4291	3.83519	3.83576	3.83519	3.54851	1.33E-07	2.12E-08	3.98E-07	7.67E-05	7.73E-05	2.7E-08	8.1E-08	4.7E-08	4.2E-08	1.9E-08	9.7E-11	2.4E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
103	641388.28	4291009.76	641388.28, 4291	4.57805	4.57874	4.57805	4.23055	1.58E-07	2.53E-08	4.75E-07	9.15E-05	9.21E-05	3.2E-08	9.6E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.4E-09	1.3E-09	4.0E-10	6.1E-09
104	641428.28	4291009.76	641428.28, 4291	5.45476	5.45558	5.45476	5.02792	1.89E-07	3.02E-08	5.66E-07	1.09E-04	1.10E-04	3.8E-08	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.4E-10	3.3E-09	1.7E-09	1.6E-09	4.7E-10	7.2E-09
105	641468.28	4291009.76	641468.28, 4291	6.4371	6.43803	6.4371	5.90318	2.22E-07	3.56E-08	6.67E-07	1.28E-04	1.29E-04	4.5E-08	1.3E-07	7.8E-08	7.1E-08	3.2E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.5E-09
106	641508.28	4291009.76	641508.28, 4291	7.46047	7.46145	7.46047	6.78207	2.58E-07	4.13E-08	7.74E-07	1.47E-04	1.48E-04	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.7E-09
107	641548.28	4291009.76	641548.28, 4291	8.41614	8.41707	8.41614	7.56265	2.91E-07	4.65E-08	8.73E-07	1.64E-04	1.65E-04	5.7E-08	1.7E-07	1.0E-07	9.0E-08	4.1E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.1E-10	1.1E-08
108	641588.28	4291009.76	641588.28, 4291	9.17186	9.17264	9.17186	8.1465	3.17E-07	5.07E-08	9.51E-07	1.76E-04	1.77E-04	6.1E-08	1.9E-07	1.1E-07	9.7E-08	4.4E-08	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
109	641628.28	4291009.76	641628.28, 4291	9.59993	9.60045	9.59993	8.46218	3.32E-07	5.31E-08	9.95E-07	1.83E-04	1.84E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
110	641668.28	4291009.76	641668.28, 4291	9.60751	9.60768	9.60751	8.4665	3.32E-07	5.31E-08	9.96E-07	1.83E-04	1.84E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
111	641708.28	4291009.76	641708.28, 4291	9.1673	9.1671	9.1673	8.14053	3.17E-07	5.07E-08	9.51E-07	1.76E-04	1.77E-04	6.1E-08	1.9E-07	1.1E-07	9.7E-08	4.4E-08	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
112	641748.28	4291009.76	641748.28, 4291	8.34683	8.34632	8.34683	7.51531	2.88E-07	4.62E-08	8.65E-07	1.63E-04	1.64E-04	5.7E-08	1.7E-07	9.9E-08	9.0E-08	4.1E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.0E-10	1.1E-08
113	641788.28	4291009.76	641788.28, 4291	7.29983	7.29916	7.29983	6.69239	2.52E-07	4.04E-08	7.57E-07	1.45E-04	1.46E-04	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
114	641828.28	4291009.76	641828.28, 4291	6.20016	6.19945	6.20016	5.79822	2.14E-07	3.43E-08	6.43E-07	1.25E-04	1.26E-04	4.4E-08	1.3E-07	7.6E-08	6.9E-08	3.2E-08	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.3E-09
115	641868.28	4291009.76	641868.28, 4291	5.193	5.19235	5.193	4.9397	1.79E-07	2.87E-08	5.38E-07	1.07E-04	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.6E-10	7.1E-09
116	641908.28	4291009.76	641908.28, 4291	4.33631	4.33576	4.33631	4.17244	1.50E-07	2.40E-08	4.50E-07	9.02E-05	9.08E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
117	641948.28	4291009.76	641948.28, 4291	3.63912	3.63867	3.63912	3.52449	1.26E-07	2.01E-08	3.77E-07	7.62E-05	7.67E-05	2.7E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	9.7E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
118	642188.28	4291009.76	642188.28, 4291	1.56955	1.56942	1.56955	1.55039	5.42E-08	8.68E-09	1.63E-07	3.35E-05	3.38E-05	1.2E-08	3.5E-08	2.0E-08	1.9E-08	8.4E-09	4.3E-11	1.0E-09	5.3E-10	4.8E-10	1.5E-10	2.2E-09
119	642228.28	4291009.76	642228.28, 4291	1.40547	1.40536	1.40547	1.38917	4.86E-08	7.77E-09	1.46E-07	3.00E-05	3.02E-05	1.0E-08	3.2E-08	1.8E-08	1.7E-08	7.6E-09	3.8E-11	9.2E-10	4.7E-10	4.3E-10	1.3E-10	2.0E-09
120	642268.28	4291009.76	642268.28, 4291	1.26752	1.26742	1.26752	1.2524	4.38E-08	7.01E-09	1.31E-07	2.71E-05	2.73E-05	9.4E-09	2.8E-08	1.6E-08	1.5E-08	6.8E-09	3.4E-11	8.3E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
121	642308.28	4291009.76	642308.28, 4291	1.14974	1.14966	1.14974	1.13516	3.97E-08	6.36E-09	1.19E-07	2.45E-05	2.47E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	3.1E-11	7.5E-10	3.9E-10	3.5E-10	1.1E-10	1.6E-09
122	642348.28	4291009.76	642348.28, 4291	1.04828	1.04821	1.04828	1.03422	3.62E-08	5.80E-09	1.09E-07	2.24E-05	2.25E-05	7.8E-09	2.4E-08	1.4E-08	1.2E-08	5.6E-09	2.8E-11	6.9E-10	3.5E-10	3.2E-10	9.7E-11	1.5E-09
123	642388.28	4291009.76	642388.28, 4291	0.96069	0.96063	0.96069	0.94745	3.32E-08	5.31E-09	9.96E-08	2.05E-05	2.06E-05	7.1E-09	2.2E-08	1.2E-08	1.1E-08	5.2E-09	2.6E-11	6.3E-10	3.2E-10	2.9E-10	8.9E-11	1.4E-09
124	642428.28	4291009.76	642428.28, 4291	0.88463	0.88458	0.88463	0.87257	3.06E-08	4.89E-09	9.17E-08	1.89E-05	1.90E-05	6.6E-09	2.0E-08	1.1E-08	1.0E-08	4.8E-09	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.2E-11	1.3E-09
125	641268.28	4291049.76	641268.28, 4291	2.74627	2.74662	2.74627	2.55727	9.49E-08	1.52E-08	2.85E-07	5.53E-05	5.57E-05	1.9E-08	5.8E-08	3.4E-08	3.1E-08	1.4E-08	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.7E-09
126	641308.28	4291049.76	641308.28, 4291	3.21799	3.21842	3.21799	2.99367	1.11E-07	1.78E-08	3.34E-07	6.47E-05	6.52E-05	2.3E-08	6.8E-08	3.9E-08	3.6E-08	1.6E-08	8.2E-11	2.0E-09	1.0E-09	9.3E-10	2.8E-10	4.3E-09
127	641348.28	4291049.76	641348.28, 4291	3.786	3.78652	3.786	3.52078	1.31E-07	2.09E-08	3.93E-07	7.61E-05	7.67E-05	2.7E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	9.7E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
128	641388.28	4291049.76	641388.28, 4291	4.44751	4.44812	4.44751	4.13376	1.54E-07	2.46E-08	4.61E-07	8.94E-05	9.00E-05	3.1E-08	9.4E-08	5.4E-08	4.9E-08	2.3E-08	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.9E-10	5.9E-09
129	641428.28	4291049.76	641428.28, 4291	5.1865	5.18719	5.1865	4.81054	1.79E-07	2.87E-08	5.38E-07	1.04E-04	1.05E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.3E-10	3.2E-09	1.6E-09	1.5E-09	4.5E-10	6.9E-09
130	641468.28	4291049.76	641468.28, 4291	5.9729	5.97365	5.9729	5.5106	2.06E-07	3.30E-08	6.19E-07	1.19E-04	1.20E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	7.9E-09
131	641508.28	4291049.76	641508.28, 4291	6.74438	6.74512	6.74438	6.16905	2.33E-07	3.73E-08	6.99E-07	1.33E-04	1.34E-04	4.7E-08	1.4E-07	8.1E-08	7.4E-08	3.4E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
132	641548.28	4291049.76	641548.28, 4291	7.41909	7.41977	7.41909	6.71546	2.56E-07	4.10E-08	7.69E-07	1.45E-04	1.46E-04	5.1E-08	1.5E-07	8.9E-08	8.0E-08	3.7E-08	1.8E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
133	641588.28	4291049.76	641588.28, 4291	7.91107	7.91161	7.91107	7.09281	2.73E-07	4.38E-08	8.20E-07	1.53E-04	1.55E-04	5.3E-08	1.6E-07	9.3E-08	8.5E-08	3.9E-08	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
134	641628.28	4291049.76	641628.28, 4291	8.14689	8.14722	8.14689	7.26509	2.82E-07	4.51E-08	8.45E-07	1.57E-04	1.58E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	2.0E-10	4.8E-09	2.5E-09	2.3E-09	6.8E-10	1.0E-08
135	641668.28	4291049.76	641668.28, 4291	8.07904	8.07912	8.07904	7.21007	2.79E-07	4.47E-08	8.38E-07	1.56E-04	1.57E-04	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	2.0E-10	4.8E-09	2.5E-09	2.2E-09	6.8E-10	1.0E-08
136	641708.28	4291049.76	641708.28, 4291	7.70103	7.70085	7.70103	6.91836	2.66E-07	4.26E-08	7.99E-07	1.50E-04	1.51E-04	5.2E-08	1.6E-07	9.1E-08	8.3E-08	3.8E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	9.9E-09
137	641748.28	4291049.76	641748.28, 4291	7.06249	7.06211	7.06249	6.41515	2.44E-07	3.91E-08	7.32E-07	1.39E-04	1.40E-04	4.8E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
138	641788.28	4291049.76	641788.28, 4291	6.26346	6.26295	6.26346	5.77165	2.16E-07	3.46E-08	6.49E-07	1.25E-04	1.26E-04	4.4E-08	1.3E-07	7.6E-08	6.9E-08	3.1E-08	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.3E-09
139	641828.28	4291049.76	641828.28, 4291	5.41488	5.41434	5.41488	5.07205	1.87E-07	2.99E-08	5.61E-07	1.10E-04	1.10E-04	3.8E-08	1.2E-07	6.7E-08	6.1E-08	2.8E-08	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.8E-10	7.3E-09
140	641868.28	4291049.76	641868.28, 4291	4.6191	4.61858	4.6191	4.39238	1.60E-07	2.55E-08	4.79E-07	9.50E-05	9.56E-05	3.3E-08	1.0E-07	5.8E-08	5.2E-08	2.4E-08	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.1E-10	6.3E-09
141	641908.28	4291049.76	641908.28, 4291	3.92011	3.91966	3.92011	3.76931	1.35E-07	2.17E-08	4.06E-07	8.15E-05	8.21E-05	2.8E-08	8.6E-08	5.0E-08	4.5E-08	2.1E-08	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.5E-10	5.4E-09
142	641948.28	4291049.76	641948.28, 4291	3.33465	3.33427	3.33465	3.22758	1.15E-07	1.84E-08	3.46E-07	6.98E-05	7.03E-05	2.4E-08	7.3E-08	4.3E-08	3.9E-08	1.8E-08	8.9E-11	2.1E-09	1.1E-09	1.0E-09	3.0E-10	4.6E-09
143	642188.28	4291049.76	642188.28, 4291	1.49753	1.49741	1.49753	1.47748	5.18E-08	8.28E-09	1.55E-07	3.19E-05	3.22E-05	1.1E-08	3.4E-08	1.9E-08	1.8E-08	8.0E-09	4.1E-11	9.8E-10	5.0E-10	4.6E-10	1.4E-10	2.1E-09
144	642228.28	4291049.76	642228.28, 4291	1.34657	1.34647	1.34657	1.33067	4.65E-08	7.45E-09	1.40E-07	2.88E-05	2.90E-05	1.0E-08	3.0E-08	1.8E-08	1.6E-08	7.2E-09	3.7E-11	8.8E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
145	642268.28	4291049.76	642268.28, 4291	1.2176	1.21751	1.2176	1.20386	4.21E-08	6.73E-09	1.26E-07	2.60E-05	2.62E-05	9.1E-09	2.7E-08	1.6E-08	1.4E-08	6.6E-09	3.3E-11	8.0E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
146	642308.28	4291049.76	642308.28, 4291	1.10706	1.10698	1.10706	1.09421	3.83E-08	6.12E-09	1.15E-07	2.37E-05	2.38E-05	8.2E-09	2.5E-08	1.4E-08	1.3E-08	6.0E-09	3.0E-11	7.3E-10	3.7E-10	3.4E-10	1.0E-10	1.6E-09
147	642348.28	4291049.76	642348.28, 4291	1.01146	1.01139	1.01146	0.99893	3.50E-08	5.59E-09	1.05E-07	2.16E-05	2.17E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.4E-09	2.7E-11	6.6E-10	3.4E-10	3.1E-10	9.4E-11	1.4E-09
148	642388.28	4291049.76	642388.28, 4291	0.92867	0.92861	0.92867	0.91637	3.21E-08	5.14E-09	9.63E-08	1.98E-05	1.99E-05	6.9E-09	2.1E-08	1.2E-08	1.1E-08	5.0E-09	2.5E-11	6.1E-10	3.1E-10	2.8E-10	8.6E-11	1.3E-09
149	642428.28	4291049.76	642428.28, 4291	0.85655	0.8565	0.85655	0.84469	2.96E-08	4.74E-09	8.88E-08	1.83E-05	1.84E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.3E-11	5.6E-10	2.9E-10	2.6E-10	7.9E-11	1.2E-09
150	641268.28	4291089.76	641268.28, 4291	2.74415	2.74449	2.74415	2.56385	9.48E-08	1.52E-08	2.85E-07	5.54E-05	5.58E-05	1.9E-08	5.8E-08	3.4E-08	3.1E-08	1.4E-08	7.0E-11	1.7E-09	8.8E-10	7.9E-10	2.4E-10	3.7E-09
151	641308.28	4291089.76	641308.28, 4291	3.18526	3.18566	3.18526	2.97769	1.10E-07	1.76E-08	3.30E-07	6.44E-05	6.48E-05	2.2E-08	6.8E-08	3.9E-08	3.6E-08	1.6E-08	8.2E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.3E-09
152	641348.28	4291089.76	641348.28, 4291	3.69961	3.70008	3.69961	3.46067	1.28E-07	2.05E-08	3.84E-07	7.48E-05	7.54E-05	2.6E-08	7.9E-08	4.6E-08	4.1E-08	1.9E-08	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	5.0E-09
153	641388.28	4291089.76	641388.28, 4291	4.27442	4.27495	4.27442	3.99682	1.48E-07	2.36E-08	4.43E-07	8.64E-05	8.70E-05	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.7E-10	5.7E-09
154	641428.28	4291089.76	641428.28, 4291	4.88513	4.88571	4.88513	4.55666	1.69E-07	2.70E-08	5.07E-07	9.85E-05	9.92E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.3E-10	3.0E-09	1.6E-09	1.4E-09	4.3E-10	6.5E-09
155	641468.28	4291089.76	641468.28, 4291	5.50531	5.50591	5.50531	5.10561	1.90E-07	3.04E-08	5.71E-07	1.10E-04	1.11E-04	3.8E-08	1.2E-07	6.7E-08	6.1E-08	2.8E-08	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.8E-10	7.3E-09
156	641508.28	4291089.76	641508.28, 4291	6.08236	6.08292	6.08236	5.59317	2.10E-07	3.36E-08	6.31E-07	1.21E-04	1.22E-04	4.2E-08	1.3E-07	7.4E-08	6.7E-08	3.0E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	8.0E-09
157	641548.28	4291089.76	641548.28, 4291	6.5568	6.55729	6.5568	5.97314	2.27E-07	3.63E-08	6.80E-07	1.29E-04	1.30E-04	4.5E-08	1.4E-07	7.9E-08	7.1E-08	3.3E-08	1.6E-10	4.0E-09	2.0E-09	1.8E-09	5.6E-10	8.6E-09
158	641588.28	4291089.76	641588.28, 4291	6.87518	6.87555	6.87518	6.21493	2.38E-07	3.80E-08	7.13E-07	1.34E-04	1.35E-04	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
159	641628.28	4291089.76	641628.28, 4291	6.99534	6.99556	6.99534	6.30033	2.42E-07	3.87E-08	7.25E-07	1.36E-04	1.37E-04	4.8E-08	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.0E-09
160	641668.28	4291089.76	641668.28, 4291	6.89268	6.89272	6.89268	6.21641	2.38E-07	3.81E-08	7.15E-07	1.34E-04	1.35E-04	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
161	641708.28	4291089.76	641708.28, 4291	6.56909	6.56894	6.56909	5.95846	2.27E-07	3.63E-08	6.81E-07	1.29E-04	1.30E-04	4.5E-08	1.4E-07	7.9E-08	7.1E-08	3.2E-08	1.6E-10	4.0E-09	2.0E-09	1.8E-09	5.6E-10	8.6E-09
162	641748.28	4291089.76	641748.28, 4291	6.06137	6.06107	6.06137	5.54686	2.09E-07	3.35E-08	6.28E-07	1.20E-04	1.21E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	8.0E-09
163	641788.28	4291089.76	641788.28, 4291	5.43709	5.4367	5.43709	5.03314	1.88E-07	3.01E-08	5.64E-07	1.09E-04	1.10E-04	3.8E-08	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.4E-10	3.3E-09	1.7E-09	1.6E-09	4.7E-10	7.2E-09
164	641828.28	4291089.76	641828.28, 4291	4.77022	4.76979	4.77022	4.4761	1.65E-07	2.64E-08	4.95E-07	9.68E-05	9.75E-05	3.4E-08	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
165	641868.28	4291089.76	641868.28, 4291	4.13223	4.13182	4.13223	3.92939	1.43E-07	2.28E-08	4.28E-07	8.50E-05	8.56E-05	3.0E-08	8.9E-08	5.2E-08	4.7E-08	2.1E-08	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.6E-09
166	641908.28	4291089.76	641908.28, 4291	3.55748	3.55711	3.55748	3.41884	1.23E-07	1.97E-08	3.69E-07	7.39E-05	7.44E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	9.4E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
167	641948.28	4291089.76	641948.28, 4291	3.06388	3.06355	3.06388	2.96415	1.06E-07	1.69E-08	3.18E-07	6.41E-05	6.45E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	8.1E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.3E-09
168	641988.28	4291089.76	641988.28, 4291	2.65098	2.65071	2.65098	2.57404	9.16E-08	1.47E-08	2.75E-07	5.57E-05	5.60E-05	1.9E-08	5.9E-08	3.4E-08	3.1E-08	1.4E-08	7.1E-11	1.7E-09	8.8E-10	8.0E-10	2.4E-10	3.7E-09
169	642028.28	4291089.76	642028.28, 4291	2.30662	2.3064	2.30662	2.24523	7.97E-08	1.28E-08	2.39E-07	4.85E-05	4.89E-05	1.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	6.2E-11	1.5E-09	7.7E-10	6.9E-10	2.1E-10	3.2E-09
170	642068.28	4291089.76	642068.28, 4291	2.02288	2.02269	2.02288	1.97392	6.99E-08	1.12E-08	2.10E-07	4.27E-05	4.30E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.4E-11	1.3E-09	6.7E-10	6.1E-10	1.9E-10	2.8E-09
171	642108.28	4291089.76	642108.28, 4291	1.79137	1.79122	1.79137	1.75275	6.19E-08	9.91E-09	1.86E-07	3.79E-05	3.82E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.5E-09	4.8E-11	1.2E-09	6.0E-10	5.4E-10	1.6E-10	2.5E-09
172	642148.28	4291089.76	642148.28, 4291	1.59332	1.59319	1.59332	1.56438	5.51E-08	8.81E-09	1.65E-07	3.38E-05	3.41E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.5E-09	4.3E-11	1.0E-09	5.3E-10	4.8E-10	1.5E-10	2.2E-09
173	641268.28	4291129.76	641268.28, 4291	2.72137	2.72169	2.72137	2.55448	9.41E-08	1.51E-08	2.82E-07	5.52E-05	5.56E-05	1.9E-08	5.8E-08	3.4E-08	3.1E-08	1.4E-08	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.7E-09
174	641308.28	4291129.76	641308.28, 4291	3.12601	3.12638	3.12601	2.9389	1.08E-07	1.73E-08	3.24E-07	6.35E-05	6.40E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	8.1E-11	1.9E-09	1.0E-09	9.1E-10	2.8E-10	4.2E-09
175	641348.28	4291129.76	641348.28, 4291	3.58287	3.58329	3.58287	3.37134	1.24E-07	1.98E-08	3.72E-07	7.29E-05	7.34E-05	2.5E-08	7.7E-08	4.4E-08	4.0E-08	1.8E-08	9.3E-11	2.2E-09	1.2E-09	1.0E-09	3.2E-10	4.8E-09
176	641388.28	4291129.76	641388.28, 4291	4.07335	4.07381	4.07335	3.8297	1.41E-07	2.25E-08	4.22E-07	8.28E-05	8.34E-05	2.9E-08	8.7E-08	5.0E-08	4.6E-08	2.1E-08	1.1E-10	2.5E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
177	641428.28	4291129.76	641428.28, 4291	4.57051	4.57098	4.57051	4.28362	1.58E-07	2.53E-08	4.74E-07	9.26E-05	9.33E-05	3.2E-08	9.8E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.5E-09	1.3E-09	4.0E-10	6.1E-09
178	641468.28	4291129.76	641468.28, 4291	5.05377	5.05424	5.05377	4.70726	1.75E-07	2.80E-08	5.24E-07	1.02E-04	1.03E-04	3.5E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.3E-10	3.1E-09	1.6E-09	1.5E-09	4.4E-10	6.8E-09
179	641508.28	4291129.76	641508.28, 4291	5.48275	5.48318	5.48275	5.06511	1.90E-07	3.03E-08	5.69E-07	1.10E-04	1.10E-04	3.8E-08	1.2E-07	6.7E-08	6.1E-08	2.8E-08	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.8E-10	7.3E-09
180	641548.28	4291129.76	641548.28, 4291	5.81578	5.81614	5.81578	5.32842	2.01E-07	3.22E-08	6.03E-07	1.15E-04	1.16E-04	4.0E-08	1.2E-07	7.0E-08	6.4E-08	2.9E-08	1.5E-10	3.5E-09	1.8E-09	1.6E-09	5.0E-10	7.7E-09
181	641588.28	4291129.76	641588.28, 4291	6.01926	6.01952	6.01926	5.48092	2.08E-07	3.33E-08	6.24E-07	1.19E-04	1.19E-04	4.1E-08	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.9E-09
182	641628.28	4291129.76	641628.28, 4291	6.06907	6.06921	6.06907	5.51307	2.10E-07	3.36E-08	6.29E-07	1.19E-04	1.20E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	7.9E-09
183	641668.28	4291129.76	641668.28, 4291	5.95295	5.95295	5.95295	5.4168	2.06E-07	3.29E-08	6.17E-07	1.17E-04	1.18E-04	4.1E-08	1.2E-07	7.1E-08	6.5E-08	3.0E-08	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.8E-09
184	641708.28	4291129.76	641708.28, 4291	5.67563	5.6755	5.67563	5.18973	1.96E-07	3.14E-08	5.89E-07	1.12E-04	1.13E-04	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.9E-10	7.5E-09
185	641748.28	4291129.76	641748.28, 4291	5.26449	5.26425	5.26449	4.84829	1.82E-07	2.91E-08	5.46E-07	1.05E-04	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.3E-10	3.2E-09	1.7E-09	1.5E-09	4.5E-10	7.0E-09
186	641788.28	4291129.76	641788.28, 4291	4.76674	4.76642	4.76674	4.43084	1.65E-07	2.64E-08	4.94E-07	9.58E-05	9.65E-05	3.3E-08	1.0E-07	5.8E-08	5.3E-08	2.4E-08	1.2E-10	2.9E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
187	641828.28	4291129.76	641828.28, 4291	4.2341	4.23376	4.2341	3.98042	1.46E-07	2.34E-08	4.39E-07	8.61E-05	8.67E-05	3.0E-08	9.1E-08	5.2E-08	4.8E-08	2.2E-08	1.1E-10	2.6E-09	1.4E-09	1.2E-09	3.7E-10	5.7E-09
188	641868.28	4291129.76	641868.28, 4291	3.71645	3.71611	3.71645	3.53493	1.28E-07	2.06E-08	3.85E-07	7.64E-05	7.70E-05	2.7E-08	8.0E-08	4.7E-08	4.2E-08	1.9E-08	9.7E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
189	641908.28	4291129.76	641908.28, 4291	3.24024	3.23993	3.24024	3.11285	1.12E-07	1.79E-08	3.36E-07	6.73E-05	6.78E-05	2.3E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.5E-09
190	641948.28	4291129.76	641948.28, 4291	2.82192	2.82164	2.82192	2.72922	9.75E-08	1.56E-08	2.93E-07	5.90E-05	5.94E-05	2.1E-08	6.2E-08	3.6E-08	3.3E-08	1.5E-08	7.5E-11	1.8E-09	9.3E-10	8.4E-10	2.6E-10	3.9E-09
191	641988.28	4291129.76	641988.28, 4291	2.4632	2.46296	2.4632	2.39129	8.51E-08	1.36E-08	2.55E-07	5.17E-05	5.21E-05	1.8E-08	5.4E-08	3.2E-08	2.9E-08	1.3E-08	6.6E-11	1.6E-09	8.2E-10	7.4E-10	2.2E-10	3.4E-09
192	642028.28	4291129.76	642028.28, 4291	2.16064	2.16044	2.16064	2.1021	7.47E-08	1.19E-08	2.24E-07	4.55E-05	4.58E-05	1.6E-08	4.8E-08	2.8E-08	2.5E-08	1.1E-08	5.8E-11	1.4E-09	7.2E-10	6.5E-10	2.0E-10	3.0E-09
193	642068.28	4291129.76	642068.28, 4291	1.90738	1.90721	1.90738	1.8592	6.59E-08	1.05E-08	1.98E-07	4.02E-05	4.05E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	5.1E-11	1.2E-09	6.3E-10	5.8E-10	1.7E-10	2.7E-09
194	642108.28	4291129.76	642108.28, 4291	1.69516	1.69501	1.69516	1.6562	5.86E-08	9.37E-09	1.76E-07	3.58E-05	3.61E-05	1.2E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	4.5E-11	1.1E-09	5.7E-10	5.1E-10	1.6E-10	2.4E-09
195	642148.28	4291129.76	642148.28, 4291	1.51587	1.51575	1.51587	1.4853	5.24E-08	8.38E-09	1.57E-07	3.21E-05	3.23E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.1E-09	4.1E-11	9.8E-10	5.1E-10	4.6E-10	1.4E-10	2.1E-09
196	641374.56	4290226.75	641374.56, 4290	1.9202	1.92033	1.9202	1.99745	6.64E-08	1.06E-08	1.99E-07	4.32E-05	4.35E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.5E-11	1.3E-09	6.8E-10	6.2E-10	1.9E-10	2.9E-09
197	641414.56	4290226.75	641414.56, 4290	2.12362	2.12376	2.12362	2.23344	7.34E-08	1.17E-08	2.20E-07	4.83E-05	4.86E-05	1.7E-08	5.1E-08	2.9E-08	2.7E-08	1.2E-08	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09
198	641454.56	4290226.75	641454.56, 4290	2.34657	2.34671	2.34657	2.4968	8.11E-08	1.30E-08	2.43E-07	5.40E-05	5.43E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.9E-11	1.7E-09	8.5E-10	7.7E-10	2.3E-10	3.6E-09
199	641494.56	4290226.75	641494.56, 4290	2.58635	2.5865	2.58635	2.78458	8.94E-08	1.43E-08	2.68E-07	6.02E-05	6.06E-05	2.1E-08	6.3E-08	3.7E-08	3.3E-08	1.5E-08	7.6E-11	1.8E-09	9.5E-10	8.6E-10	2.6E-10	4.0E-09
200	641534.56	4290226.75	641534.56, 4290	2.84231	2.84245	2.84231	3.09444	9.82E-08	1.57E-08	2.95E-07	6.69E-05	6.73E-05	2.3E-08	7.0E-08	4.1E-08	3.7E-08	1.7E-08	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.4E-09
201	641574.56	4290226.75	641574.56, 4290	3.11474	3.11488	3.11474	3.42974	1.08E-07	1.72E-08	3.23E-07	7.42E-05	7.46E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	9.4E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
202	641614.56	4290226.75	641614.56, 4290	3.40041	3.40054	3.40041	3.79303	1.18E-07	1.88E-08	3.53E-07	8.20E-05	8.25E-05	2.9E-08	8.6E-08	5.0E-08	4.5E-08	2.1E-08	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.6E-10	5.4E-09
203	641654.56	4290226.75	641654.56, 4290	3.70073	3.70084	3.70073	4.18345	1.28E-07	2.05E-08	3.84E-07	9.05E-05	9.10E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
204	641694.56	4290226.75	641694.56, 4290	4.01404	4.01415	4.01404	4.57345	1.39E-07	2.22E-08	4.16E-07	9.89E-05	9.95E-05	3.4E-08	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.3E-10	3.0E-09	1.6E-09	1.4E-09	4.3E-10	6.6E-09

205	641734.56	4290226.75	641734.56, 429(	4.35305	4.35319	4.35305	4.95948	1.50E-07	2.41E-08	4.51E-07	1.07E-04	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.6E-10	7.1E-09
206	641774.56	4290226.75	641774.56, 429(	4.7636	4.76377	4.7636	5.43209	1.65E-07	2.63E-08	4.94E-07	1.17E-04	1.18E-04	4.1E-08	1.2E-07	7.1E-08	6.5E-08	3.0E-08	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.8E-09
207	641814.56	4290226.75	641814.56, 429(	5.22719	5.22735	5.22719	6.05768	1.81E-07	2.89E-08	5.42E-07	1.31E-04	1.32E-04	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.7E-10	4.0E-09	2.1E-09	1.9E-09	5.7E-10	8.7E-09
208	641854.56	4290226.75	641854.56, 429(	5.61167	5.61167	5.61167	6.69729	1.94E-07	3.10E-08	5.82E-07	1.45E-04	1.46E-04	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
209	641894.56	4290226.75	641894.56, 429(	5.75285	5.75263	5.75285	7.0178	1.99E-07	3.18E-08	5.97E-07	1.52E-04	1.53E-04	5.3E-08	1.6E-07	9.2E-08	8.4E-08	3.8E-08	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
210	641934.56	4290226.75	641934.56, 429(	5.58543	5.58501	5.58543	6.81656	1.93E-07	3.09E-08	5.79E-07	1.47E-04	1.48E-04	5.1E-08	1.5E-07	9.0E-08	8.1E-08	3.7E-08	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.8E-09
211	641974.56	4290226.75	641974.56, 429(	5.179	5.17847	5.179	6.21273	1.79E-07	2.86E-08	5.37E-07	1.34E-04	1.35E-04	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
212	642014.56	4290226.75	642014.56, 429(	4.65363	4.65309	4.65363	5.44943	1.61E-07	2.57E-08	4.83E-07	1.18E-04	1.19E-04	4.1E-08	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.8E-09
213	642054.56	4290226.75	642054.56, 429(	4.10564	4.10514	4.10564	4.69249	1.42E-07	2.27E-08	4.26E-07	1.01E-04	1.02E-04	3.5E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.3E-10	3.1E-09	1.6E-09	1.5E-09	4.4E-10	6.7E-09
214	642094.56	4290226.75	642094.56, 429(	3.5901	3.58966	3.5901	4.01284	1.24E-07	1.99E-08	3.72E-07	8.68E-05	8.73E-05	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.8E-09
215	642134.56	4290226.75	642134.56, 429(	3.1313	3.13093	3.1313	3.4313	1.08E-07	1.73E-08	3.25E-07	7.42E-05	7.46E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	9.4E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
216	642174.56	4290226.75	642174.56, 429(	2.73289	2.73257	2.73289	2.94366	9.45E-08	1.51E-08	2.83E-07	6.37E-05	6.40E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	8.1E-11	2.0E-09	1.0E-09	9.1E-10	2.8E-10	4.2E-09
217	642214.56	4290226.75	642214.56, 429(	2.38913	2.38886	2.38913	2.536	8.26E-08	1.32E-08	2.48E-07	5.48E-05	5.52E-05	1.9E-08	5.8E-08	3.3E-08	3.0E-08	1.4E-08	7.0E-11	1.7E-09	8.7E-10	7.8E-10	2.4E-10	3.6E-09
218	642254.56	4290226.75	642254.56, 429(	2.0968	2.09658	2.0968	2.19836	7.25E-08	1.16E-08	2.17E-07	4.75E-05	4.78E-05	1.7E-08	5.0E-08	2.9E-08	2.6E-08	1.2E-08	6.0E-11	1.5E-09	7.5E-10	6.8E-10	2.1E-10	3.2E-09
219	642294.56	4290226.75	642294.56, 429(	1.84992	1.84973	1.84992	1.91933	6.39E-08	1.02E-08	1.92E-07	4.15E-05	4.18E-05	1.4E-08	4.4E-08	2.5E-08	2.3E-08	1.0E-08	5.3E-11	1.3E-09	6.6E-10	5.9E-10	1.8E-10	2.8E-09
220	642334.56	4290226.75	642334.56, 429(	1.64037	1.64021	1.64037	1.68691	5.67E-08	9.07E-09	1.70E-07	3.65E-05	3.67E-05	1.3E-08	3.8E-08	2.2E-08	2.0E-08	9.2E-09	4.6E-11	1.1E-09	5.8E-10	5.2E-10	1.6E-10	2.4E-09
221	642374.56	4290226.75	642374.56, 429(	1.46042	1.46029	1.46042	1.49084	5.05E-08	8.08E-09	1.51E-07	3.22E-05	3.24E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.1E-09	4.1E-11	9.9E-10	5.1E-10	4.6E-10	1.4E-10	2.1E-09
222	642414.56	4290226.75	642414.56, 429(	1.30668	1.30657	1.30668	1.32599	4.52E-08	7.23E-09	1.35E-07	2.87E-05	2.89E-05	1.0E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.6E-11	8.8E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
223	642454.56	4290226.75	642454.56, 429(	1.17547	1.17537	1.17547	1.18734	4.06E-08	6.50E-09	1.22E-07	2.57E-05	2.58E-05	8.9E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
224	642494.56	4290226.75	642494.56, 429(	1.06247	1.06239	1.06247	1.06954	3.67E-08	5.88E-09	1.10E-07	2.31E-05	2.33E-05	8.1E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.9E-11	7.1E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
225	642534.56	4290226.75	642534.56, 429(	0.96484	0.96477	0.96484	0.96894	3.33E-08	5.34E-09	1.00E-07	2.10E-05	2.11E-05	7.3E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.4E-10	3.3E-10	3.0E-10	9.1E-11	1.4E-09
226	642574.56	4290226.75	642574.56, 429(	0.88	0.87994	0.88	0.88233	3.04E-08	4.87E-09	9.12E-08	1.91E-05	1.92E-05	6.6E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.4E-11	5.9E-10	3.0E-10	2.7E-10	8.3E-11	1.3E-09
227	642614.56	4290226.75	642614.56, 429(	0.80701	0.80696	0.80701	0.80836	2.79E-08	4.46E-09	8.37E-08	1.75E-05	1.76E-05	6.1E-09	1.8E-08	1.1E-08	9.7E-09	4.4E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
228	641374.56	4290266.75	641374.56, 429(	2.09724	2.0974	2.09724	2.16744	7.25E-08	1.16E-08	2.17E-07	4.69E-05	4.72E-05	1.6E-08	4.9E-08	2.9E-08	2.6E-08	1.2E-08	5.9E-11	1.4E-09	7.4E-10	6.7E-10	2.0E-10	3.1E-09
229	641414.56	4290266.75	641414.56, 429(	2.34911	2.34928	2.34911	2.45673	8.12E-08	1.30E-08	2.44E-07	5.31E-05	5.35E-05	1.9E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	6.7E-11	1.6E-09	8.4E-10	7.6E-10	2.3E-10	3.5E-09
230	641454.56	4290266.75	641454.56, 429(	2.62794	2.62812	2.62794	2.78733	9.08E-08	1.45E-08	2.72E-07	6.03E-05	6.06E-05	2.1E-08	6.3E-08	3.7E-08	3.3E-08	1.5E-08	7.6E-11	1.8E-09	9.5E-10	8.6E-10	2.6E-10	4.0E-09
231	641494.56	4290266.75	641494.56, 429(	2.93458	2.93477	2.93458	3.159	1.01E-07	1.62E-08	3.04E-07	6.83E-05	6.87E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.7E-11	2.1E-09	1.1E-09	9.8E-10	3.0E-10	4.5E-09
232	641534.56	4290266.75	641534.56, 429(	3.2698	3.26999	3.2698	3.57206	1.13E-07	1.81E-08	3.39E-07	7.72E-05	7.77E-05	2.7E-08	8.1E-08	4.7E-08	4.3E-08	1.9E-08	9.8E-11	2.4E-09	1.2E-09	1.1E-09	3.3E-10	5.1E-09
233	641574.56	4290266.75	641574.56, 429(	3.63613	3.63633	3.63613	4.0301	1.26E-07	2.01E-08	3.77E-07	8.71E-05	8.77E-05	3.0E-08	9.2E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.8E-09
234	641614.56	4290266.75	641614.56, 429(	4.03153	4.03172	4.03153	4.53839	1.39E-07	2.23E-08	4.18E-07	9.81E-05	9.87E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.3E-10	6.5E-09
235	641654.56	4290266.75	641654.56, 429(	4.44416	4.44433	4.44416	5.08726	1.54E-07	2.46E-08	4.61E-07	1.10E-04	1.11E-04	3.8E-08	1.2E-07	6.7E-08	6.1E-08	2.8E-08	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.8E-10	7.3E-09
236	641694.56	4290266.75	641694.56, 429(	4.86504	4.86521	4.86504	5.63623	1.68E-07	2.69E-08	5.04E-07	1.22E-04	1.23E-04	4.2E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
237	641734.56	4290266.75	641734.56, 429(	5.33816	5.33836	5.33816	6.1975	1.85E-07	2.95E-08	5.54E-07	1.34E-04	1.35E-04	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
238	641774.56	4290266.75	641774.56, 429(	5.91818	5.91843	5.91818	6.89832	2.05E-07	3.27E-08	6.14E-07	1.49E-04	1.50E-04	5.2E-08	1.6E-07	9.1E-08	8.2E-08	3.8E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	9.9E-09
239	641814.56	4290266.75	641814.56, 429(	6.53694	6.53711	6.53694	7.80688	2.26E-07	3.62E-08	6.78E-07	1.69E-04	1.70E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
240	641854.56	4290266.75	641854.56, 429(	6.95565	6.95553	6.95565	8.58621	2.40E-07	3.85E-08	7.21E-07	1.86E-04	1.87E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.4E-10	5.7E-09	2.9E-09	2.7E-09	8.0E-10	1.2E-08
241	641894.56	4290266.75	641894.56, 429(	6.94817	6.94771	6.94817	8.69338	2.40E-07	3.84E-08	7.20E-07	1.88E-04	1.89E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.4E-10	5.8E-09	3.0E-09	2.7E-09	8.1E-10	1.2E-08
242	641934.56	4290266.75	641934.56, 429(	6.51816	6.51748	6.51816	8.04641	2.25E-07	3.60E-08	6.76E-07	1.74E-04	1.75E-04	6.1E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.2E-08
243	641974.56	4290266.75	641974.56, 429(	5.83974	5.839	5.83974	7.01162	2.02E-07	3.23E-08	6.06E-07	1.52E-04	1.52E-04	5.3E-08	1.6E-07	9.2E-08	8.4E-08	3.8E-08	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
244	642014.56	4290266.75	642014.56, 429(	5.09213	5.09143	5.09213	5.93367	1.76E-07	2.82E-08	5.28E-07	1.28E-04	1.29E-04	4.5E-08	1.3E-07	7.8E-08	7.1E-08	3.2E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.6E-10	8.5E-09
245	642054.56	4290266.75	642054.56, 429(	4.38331	4.38271	4.38331	4.96917	1.52E-07	2.42E-08	4.55E-07	1.07E-04	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.7E-10	7.1E-09
246	642094.56	4290266.75	642094.56, 429(	3.76034	3.75984	3.76034	4.16125	1.30E-07	2.08E-08	3.90E-07	9.00E-05	9.05E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
247	642134.56	4290266.75	642134.56, 429(	3.23046	3.23004	3.23046	3.50159	1.12E-07	1.79E-08	3.35E-07	7.57E-05	7.62E-05	2.6E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	9.6E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
248	642174.56	4290266.75	642174.56, 429(	2.78453	2.78419	2.78453	2.96604	9.62E-08	1.54E-08	2.89E-07	6.41E-05	6.45E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	8.1E-11	2.0E-09	1.0E-09	9.2E-10	2.8E-10	4.3E-09
249	642214.56	4290266.75	642214.56, 429(	2.4103	2.41002	2.4103	2.53039	8.33E-08	1.33E-08	2.50E-07	5.47E-05	5.51E-05	1.9E-08	5.8E-08	3.3E-08	3.0E-08	1.4E-08	6.9E-11	1.7E-09	8.6E-10	7.8E-10	2.4E-10	3.6E-09
250	642254.56	4290266.75	642254.56, 429(	2.09789	2.09766	2.09789	2.17621	7.25E-08	1.16E-08	2.18E-07	4.71E-05	4.74E-05	1.6E-08	4.9E-08	2.9E-08	2.6E-08	1.2E-08	6.0E-11	1.4E-09	7.4E-10	6.7E-10	2.0E-10	3.1E-09
251	642294.56	4290266.75	642294.56, 429(	1.83945	1.83926	1.83945	1.8897	6.36E-08	1.02E-08	1.91E-07	4.09E-05	4.11E-05	1.4E-08	4.3E-08	2.5E-08	2.3E-08	1.0E-08	5.2E-11	1.3E-09	6.4E-10	5.8E-10	1.8E-10	2.7E-09
252	642334.56	4290266.75	642334.56, 429(	1.62351	1.62335	1.62351	1.65513	5.61E-08	8.98E-09	1.68E-07	3.58E-05	3.60E-05	1.2E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	4.5E-11	1.1E-09	5.6E-10	5.1E-10	1.6E-10	2.4E-09
253	642374.56	4290266.75	642374.56, 429(	1.44068	1.44054	1.44068	1.4602	4.98E-08	7.97E-09	1.49E-07	3.16E-05	3.18E-05	1.1E-08	3.3E-08	1.9E-08	1.7E-08	8.0E-09	4.0E-11	9.7E-10	5.0E-10	4.5E-10	1.4E-10	2.1E-09
254	642414.56	4290266.75	642414.56, 429(	1.28614	1.28602	1.28614	1.29804	4.45E-08	7.11E-09	1.33E-07	2.81E-05	2.83E-05	9.8E-09	3.0E-08	1.7E-08	1.5E-08	7.1E-09	3.6E-11	8.6E-10	4.4E-10	4.0E-10	1.2E-10	1.9E-09
255	642454.56	4290266.75	642454.56, 429(	1.15601	1.15592	1.15601	1.16329	4.00E-08	6.39E-09	1.20E-07	2.52E-05	2.53E-05	8.8E-09	2.6E-08	1.5E-08	1.4E-08	6.3E-09	3.2E-11	7.7E-10	4.0E-10	3.6E-10	1.1E-10	1.7E-09
256	642494.56	4290266.75	642494.56, 429(	1.04478	1.0447	1.04478	1.04932	3.61E-08	5.78E-09	1.08E-07	2.27E-05	2.28E-05	7.9E-09	2.4E-08	1.4E-08	1.3E-08	5.7E-09	2.9E-11	7.0E-10	3.6E-10	3.2E-10	9.8E-11	1.5E-09
257	642534.56	4290266.75	642534.56, 429(	0.94915	0.94908	0.94915	0.95213	3.28E-08	5.25E-09	9.84E-08	2.06E-05	2.07E-05	7.2E-09	2.2E-08	1.3E-08	1.1E-08	5.2E-09	2.6E-11	6.3E-10	3.3E-10	2.9E-10	8.9E-11	1.4E-09
258	642574.56	4290266.75	642574.56, 429(	0.86592	0.86586	0.86592	0.86801	2.99E-08	4.79E-09	8.98E-08	1.88E-05	1.89E-05	6.5E-09	2.0E-08	1.1E-08	1.0E-08	4.7E-09	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.1E-11	1.2E-09
259	642614.56	4290266.75	642614.56, 429(	0.79436	0.79431	0.79436	0.79593	2.75E-08	4.39E-09	8.24E-08	1.72E-05	1.73E-05	6.0E-09	1.8E-08	1.0E-08	9.5E-09	4.3E-09	2.2E-11	5.3E-10	2.7E-10	2.5E-10	7.5E-11	1.1E-09
260	641374.56	4290306.75	641374.56, 429(	2.28677	2.28696	2.28677	2.34261	7.90E-08	1.26E-08	2.37E-07	5.07E-05	5.10E-05	1.8E-08	5.3E-08	3.1E-08	2.8E-08	1.3E-08	6.4E-11	1.6E-09	8.0E-10	7.2E-10	2.2E-10	3.4E-09
261	641414.56	4290306.75	641414.56, 429(	2.59667	2.59689	2.59667	2.69305	8.97E-08	1.44E-08	2.69E-07	5.82E-05	5.86E-05	2.0E-08	6.1E-08	3.5E-08	3.2E-08	1.5E-08	7.4E-11	1.8E-09	9.2E-10	8.3E-10	2.5E-10	3.9E-09
262	641454.56	4290306.75	641454.56, 429(	2.94841	2.94865	2.94841	3.10629	1.02E-07	1.63E-08	3.06E-07	6.72E-05	6.76E-05	2.3E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.5E-09
263	641494.56	4290306.75	641494.56, 429(	3.34903	3.34929	3.34903	3.5928	1.16E-07	1.85E-08	3.47E-07	7.77E-05	7.82E-05	2.7E-08	8.2E-08	4.7E-08	4.3E-08	2.0E-08	9.9E-11	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
264	641534.56	4290306.75	641534.56, 429(	3.80137	3.80165	3.80137	4.15811	1.31E-07	2.10E-08	3.94E-07	8.99E-05	9.05E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
265	641574.56	4290306.75	641574.56, 429(	4.30717	4.30745	4.30717	4.80315	1.49E-07	2.38E-08	4.47E-07	1.04E-04	1.04E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.3E-10	3.2E-09	1.6E-09	1.5E-09	4.5E-10	6.9E-09
266	641614.56	4290306.75	641614.56, 429(	4.85124	4.85152	4.85124	5.51733	1.68E-07	2.68E-08	5.03E-07	1.19E-04	1.20E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	7.9E-09
267	641654.56	4290306.75	641654.56, 429(	5.42595	5.42621	5.42595	6.30647	1.88E-07	3.00E-08	5.63E-07	1.36E-04	1.37E-04	4.7E-08	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.7E-10	4.2E-09	2.2E-09	1.9E-09	5.9E-10	9.0E-09
268	641694.56	4290306.75	641694.56, 429(	6.03471	6.03495	6.03471	7.13858	2.09E-07	3.34E-08	6.26E-07	1.54E-04	1.55E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
269	641734.56	4290306.75	641734.56, 429(	6.7218	6.72209	6.7218	7.99779	2.32E-07	3.72E-08	6.97E-07	1.73E-04	1.74E-04	6.0E-08	1.8E-07	1.1E-07	9.5E-08	4.4E-08	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.1E-08
270	641774.56	4290306.75	641774.56, 429(	7.55506	7.55541	7.55506	9.07311	2.61E-07	4.18E-08	7.83E-07	1.96E-04	1.97E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
271	641814.56	4290306.75	641814.56, 429(	8.38435	8.38447	8.38435	10.42154	2.90E-07	4.64E-08	8.69E-07	2.25E-04	2.27E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.9E-10	6.9E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
272	641854.56	4290306.75	641854.56, 429(	8.75646	8.75605	8.75646	11.23762	3.03E-07	4.84E-08	9.08E-07	2.43E-04	2.44E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	3.1E-10	7.4E-09	3.8E-09	3.5E-09	1.1E-09	1.6E-08
273	641894.56	4290306.75	641894.56, 429(	8.41812	8.41726	8.41812	10.77216	2.91E-07	4.65E-08	8.73E-07	2.33E-04	2.34E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.9E-08	3.0E-10	7.1E-09	3.7E-09	3.3E-09	1.0E-09	1.5E-08
274	641934.56	4290306.75	641934.56, 429(	7.55883	7.55779	7.55883	9.38371	2.61E-07	4.18E-08	7.84E-07	2.03E-04	2.04E-04	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.3E-08
275	641974.56	4290306.75	641974.56, 429(	6.50969	6.50869	6.50969	7.78286	2.25E-07	3.60E-08	6.75E-07	1.68E-04	1.69E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
276	642014.56	4290306.75	642014.56, 429(	5.49685	5.496	5.49685	6.34577	1.90E-07	3.04E-08	5.70E-07	1.37E-04	1.38E-04	4.8E-08	1.4E-07	8.4E-08	7.6E-08	3.5E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.1E-09
277	642054.56	4290306.75	642054.56, 429(	4.61508	4.61438	4.61508	5.16849	1.60E-07	2.55E-08	4.79E-07	1.12E-04	1.12E-04	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.8E-10	7.4E-09
278	642094.56	4290306.75	642094.56, 429(	3.88668	3.88612	3.88668	4.243	1.34E-07	2.15E-08	4.03E-07	9.17E-05	9.23E-05	3.2E-08	9.6E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.4E-09	1.3E-09	4.0E-10	6.1E-09
279	642134.56	4290306.75	642134.56, 429(	3.28892	3.28847	3.28892	3.51548	1.14E-07	1.82E-08	3.41E-07	7.60E-05	7.65E-05	2.6E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	9.6E-11	2.3E-09	1.2E-09	1.1E-09	3.3E-10	5.0E-09
280	642174.56	4290306.75	642174.56, 429(	2.80177	2.80141	2.80177	2.94411	9.68E-08	1.55E-08	2.91E-07	6.37E-05	6.41E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	8.1E-11	2.0E-09	1.0E-09	9.1E-10	2.8E-10	4.2E-09
281	642214.56	4290306.75	642214.56, 429(	2.40479	2.4045	2.40479	2.49312	8.31E-08	1.33E-08	2.49E-07	5.39E-05	5.43E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.8E-11	1.7E-09	8.5E-10	7.7E-10	2.3E-10	3.6E-09
282	642254.56	4290306.75	642254.56, 429(	2.0804	2.08016	2.0804	2.13462	7.19E-08	1.15E-08	2.16E-07	4.62E-05	4.65E-05	1.6E-08	4.9E-08	2.8E-08	2.5E-08	1.2E-08	5.9E-11	1.4E-09	7.3E-10	6.6E-10	2.0E-10	3.1E-09
283	642294.56	4290306.75	642294.56, 429(	1.81535	1.81516	1.81535	1.84846	6.27E-08	1.00E-08	1.88E-07	4.00E-05	4.02E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	5.1E-11	1.2E-09	6.3E-10	5.7E-10	1.7E-10	2.7E-09
284	642334.56	4290306.75	642334.56, 429(	1.59711	1.59695	1.59711	1.61742	5.52E-08	8.83E-09	1.66E-07	3.50E-05	3.52E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.8E-09	4.4E-11	1.1E-09	5.5E-10	5.0E-10	1.5E-10	2.3E-09
285	642374.56	4290306.75	642374.56, 429(	1.41404	1.41391	1.41404	1.42671	4.89E-08	7.82E-09	1.47E-07	3.09E-05	3.11E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.8E-09	3.9E-11	9.5E-10	4.9E-10	4.4E-10	1.3E-10	2.0E-09
286	642414.56	4290306.75	642414.56, 429(	1.2615	1.26139	1.2615	1.26973	4.36E-08	6.98E-09	1.31E-07	2.75E-05	2.76E-05	9.6E-09	2.9E-08	1.7E-08	1.5E-08	6.9E-09	3.5E-11	8.4E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
287	642454.56	4290306.75	642454.56, 429(	1.13426	1.13416	1.13426	1.1399	3.92E-08	6.27E-09	1.18E-07	2.46E-05	2.48E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	3.1E-11	7.6E-10	3.9E-10	3.5E-10	1.1E-10	1.6E-09
288	642494.56	4290306.75	642494.56, 429(	1.02591	1.02583	1.02591	1.03002	3.55E-08	5.67E-09	1.06E-07	2.23E-05	2.24E-05	7.8E-09	2.3E-08	1.4E-08	1.2E-08	5.6E-09	2.8E-11	6.8E-10	3.5E-10	3.2E-10	9.7E-11	1.5E-09
289	642534.56	4290306.75	642534.56, 429(	0.93288	0.93281	0.93288	0.93602	3.22E-08	5.16E-09	9.67E-08	2.02E-05	2.04E-05	7.1E-09	2.1E-08	1.2E-08	1.1E-08	5.1E-09	2.6E-11	6.2E-10	3.2E-10	2.9E-10	8.8E-11	1.3E-09
290	642574.56	4290306.75	642574.56, 429(	0.85209	0.85203	0.85209	0.85454	2.95E-08	4.71E-09	8.84E-08	1.85E-05	1.86E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.7E-09	2.3E-11	5.7E-10	2.9E-10	2.6E-10	8.0E-11	1.2E-09
291	642614.56	4290306.75	642614.56, 429(	0.76059	0.76054	0.76059	0.77783	2.63E-08	4.21E-09	7.89E-08	1.68E-05	1.69E-05	5.9E-09	1.8E-08	1.0E-08	9.3E-09	4.2E-09	2.1E-11	5.2E-10	2.7E-10	2.4E-10	7.3E-11	1.1E-09
292	641374.56	4290346.75	641374.56, 429(	2.48694	2.48718	2.48694	2.52166	8.60E-08	1.38E-08	2.58E-07	5.45E-05	5.49E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.9E-11	1.7E-09	8.6E-10	7.8E-10	2.4E-10	3.6E-09
293	641414.56	4290346.75	641414.56, 429(	2.86305	2.86333	2.86305	2.93638	9.90E-08	1.58E-08	2.97E-07	6.35E-05	6.39E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	8.1E-11	1.9E-09	1.0E-09	9.1E-10	2.8E-10	4.2E-09
294	641454.56	4290346.75	641454.56, 429(	3.31258	3.31291	3.31258	3.45177	1.14E-07	1.83E-08	3.43E-07	7.46E-05	7.51E-05	2.6E-08	7.9E-08	4.5E-08	4.1E-08	1.9E-08	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	5.0E-09
295	641494.56	4290346.75	641494.56, 429(	3.84303	3.84339	3.84303	4.08768	1.33E-07	2.13E-08	3.98E-07	8.84E-05	8.89E-05	3.1E-08	9.3E-08	5.4E-08	4.9E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.3E-09	3.8E-10	5.9E-09
296	641534.56	4290346.75	641534.56, 429(	4.45452	4.45492	4.45452	4.85733	1.54E-07	2.46E-08	4.62E-07	1.05E-04	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.3E-10	3.2E-09	1.7E-09	1.5E-09	4.6E-10	7.0E-09
297	641574.56	4290346.75	641574.56, 429(	5.14702	5.14744	5.14702	5.76696	1.78E-07	2.85E-08	5.34E-07	1.25E-04	1.25E-04	4.3E-08	1.3E-07	7.6E-08	6.9E-08	3.1E-08	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.3E-09
298	641614.56	4290346.75	641614.56, 429(	5.92906	5.92949	5.92906	6.82417	2.05E-07	3.28E-08	6.15E-07	1.48E-04	1.48E-04	5.1E-08	1.6E-07	9.0E-08	8.1E-08	3.7E-08	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.8E-09
299	641654.56	4290346.75	641654.56, 429(	6.79285	6.79326	6.79285	8.03825	2.35E-07	3.76E-08	7.04E-07	1.74E-04	1.75E-04	6.1E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.2E-08
300	641694.56	4290346.75	641694.56, 429(	7.70925	7.70963	7.70925	9.36737	2.66E-07	4.26E-08	7.99E-07	2.03E-04	2.04E-04	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.3E-08
301	641734.56	4290346.75	641734.56, 429(	8.74575	8.74622	8.74575	10.75745	3.02E-07	4.84E-08	9.07E-07	2.33E-04	2.34E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.9E-08	2.9E-10	7.1E-09	3.7E-09	3.3E-09	1.0E-09	1.5E-08
302	641774.56	4290346.75	641774.56, 429(	10.01809	10.01858	10.01809	12.54691	3.46E-07	5.54E-08	1.04E-06	2.71E-04	2.73E-04	9.4E-08	2.9E-07	1.7E-07	1.5E-07	6.8E-08	3.4E-10	8.3E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
303	641814.56	4290346.75	641814.56, 429(	11.09559	11.0955	11.09559	14.54866	3.83E-07	6.14E-08	1.15E-06	3.15E-04	3.16E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	4.0E-10	9.6E-09	5.0E-09	4.5E-09	1.4E-09	2.1E-08
304	641854.56	4290346.75	641854.56, 429(	11.16926	11.16826	11.16926	14.93706	3.86E-07	6.18E-08	1.16E-06	3.23E-04	3.25E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	4.1E-10	9.9E-09	5.1E-09	4.6E-09	1.4E-09	2.1E-08
305	641894.56	4290346.75	641894.56, 429(	10.15497	10.15346	10.15497	13.19741	3.51E-07	5.61E-08	1.05E-06	2.85E-04	2.87E-04	9.9E-08	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.6E-10	8.7E-09	4.5E-09	4.1E-09	1.2E-09	1.9E-08
306	641934.56	4290346.75	641934.56, 429(	8.63804	8.63654	8.63804	10.69808	2.99E-07	4.78E-08	8.96E-07	2.31E-04	2.33E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.9E-10	7.1E-09	3.6E-09	3.3E-09	1.0E-09	1.5E-08
307	641974.56	4290346.75	641974.56, 429(	7.1315	7.13021	7.1315	8.43398	2.46E-07	3.94E-08	7.39E-07	1.82E-04	1.83E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
308	642014.56	4290346.75	642014.56, 429(	5.83421	5.83319	5.83421	6.63307	2.02E-07	3.23E-08	6.05E-07	1.43E-04	1.44E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.2E-10	9.5E-09
309	642054.56	4290346.75	642054.56, 429(	4.78242	4.78163	4.78242	5.2633	1.65E-07	2.64E-08	4.96E-07	1.14E-04	1.14E-04	4.0E-08	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.4E-10	3.5E-09	1.8E-09	1.6E-09	4.9E-10	7.5E-09
310	642094.56	4290346.75	642094.56, 429(	3.95358	3.95296	3.95358	4.23992	1.37E-07	2.19E-08	4.10E-07	9.17E-05	9.22E-05	3.2E-08	9.6E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-10	2.8E-09	1.4E-09	1.3E-09	4.0E-10	6.1E-09
311	642134.56	4290346.75	642134.56, 429(	3.29718	3.2967	3.29718	3.4661	1.14E-07	1.82E-08	3.42E-07	7.49E-05	7.54E-05	2.6E-08	7.9E-08	4.6E-08	4.1E-08	1.9E-08	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	5.0E-09

312	642174.56	4290346.75	642174.56, 4290	2.78194	2.78157	2.78194	2.88153	9.62E-08	1.54E-08	2.88E-07	6.23E-05	6.27E-05	2.2E-08	6.6E-08	3.8E-08	3.4E-08	1.6E-08	7.9E-11	1.9E-09	9.8E-10	8.9E-10	2.7E-10	4.1E-09
313	642214.56	4290346.75	642214.56, 4290	2.37237	2.37208	2.37237	2.43143	8.20E-08	1.31E-08	2.46E-07	5.26E-05	5.29E-05	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.7E-11	1.6E-09	8.3E-10	7.5E-10	2.3E-10	3.5E-09
314	642254.56	4290346.75	642254.56, 4290	2.04529	2.04506	2.04529	2.08101	7.07E-08	1.13E-08	2.12E-07	4.50E-05	4.53E-05	1.6E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	5.7E-11	1.4E-09	7.1E-10	6.4E-10	2.0E-10	3.0E-09
315	642294.56	4290346.75	642294.56, 4290	1.7808	1.78061	1.7808	1.80318	6.16E-08	9.85E-09	1.85E-07	3.90E-05	3.92E-05	1.4E-08	4.1E-08	2.4E-08	2.2E-08	9.8E-09	4.9E-11	1.2E-09	6.2E-10	5.6E-10	1.7E-10	2.6E-09
316	642334.56	4290346.75	642334.56, 4290	1.56465	1.56449	1.56465	1.57937	5.41E-08	8.65E-09	1.62E-07	3.42E-05	3.44E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.6E-09	4.3E-11	1.0E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
317	642374.56	4290346.75	642374.56, 4290	1.38567	1.38555	1.38567	1.39591	4.79E-08	7.66E-09	1.44E-07	3.02E-05	3.04E-05	1.1E-08	3.2E-08	1.8E-08	1.7E-08	7.6E-09	3.8E-11	9.3E-10	4.8E-10	4.3E-10	1.3E-10	2.0E-09
318	642414.56	4290346.75	642414.56, 4290	1.23688	1.23677	1.23688	1.24438	4.28E-08	6.84E-09	1.28E-07	2.69E-05	2.71E-05	9.4E-09	2.8E-08	1.6E-08	1.5E-08	6.8E-09	3.4E-11	8.3E-10	4.2E-10	3.9E-10	1.2E-10	1.8E-09
319	642454.56	4290346.75	642454.56, 4290	1.11279	1.1127	1.11279	1.11849	3.85E-08	6.15E-09	1.15E-07	2.42E-05	2.43E-05	8.4E-09	2.5E-08	1.5E-08	1.3E-08	6.1E-09	3.1E-11	7.4E-10	3.8E-10	3.5E-10	1.0E-10	1.6E-09
320	642494.56	4290346.75	642494.56, 4290	1.00744	1.00736	1.00744	1.01185	3.48E-08	5.57E-09	1.04E-07	2.19E-05	2.20E-05	7.6E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.8E-11	6.7E-10	3.5E-10	3.1E-10	9.5E-11	1.5E-09
321	642534.56	4290346.75	642534.56, 4290	0.91703	0.91697	0.91703	0.92041	3.17E-08	5.07E-09	9.51E-08	1.99E-05	2.00E-05	6.9E-09	2.1E-08	1.2E-08	1.1E-08	5.0E-09	2.5E-11	6.1E-10	3.1E-10	2.8E-10	8.6E-11	1.3E-09
322	642574.56	4290346.75	642574.56, 4290	0.83849	0.83844	0.83849	0.84102	2.90E-08	4.64E-09	8.69E-08	1.82E-05	1.83E-05	6.3E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.3E-11	5.6E-10	2.9E-10	2.6E-10	7.9E-11	1.2E-09
323	642614.56	4290346.75	642614.56, 4290	0.74052	0.74048	0.74052	0.75743	2.56E-08	4.09E-09	7.68E-08	1.64E-05	1.65E-05	5.7E-09	1.7E-08	1.0E-08	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.1E-11	1.1E-09
324	641374.56	4290386.75	641374.56, 4290	2.69188	2.69217	2.69188	2.70607	9.30E-08	1.49E-08	2.79E-07	5.85E-05	5.89E-05	2.0E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	7.4E-11	1.8E-09	9.2E-10	8.4E-10	2.5E-10	3.9E-09
325	641414.56	4290386.75	641414.56, 4290	3.14389	3.14425	3.14389	3.18582	1.09E-07	1.74E-08	3.26E-07	6.89E-05	6.93E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.7E-11	2.1E-09	1.1E-09	9.9E-10	3.0E-10	4.6E-09
326	641454.56	4290386.75	641454.56, 4290	3.70633	3.70677	3.70633	3.80582	1.28E-07	2.05E-08	3.84E-07	8.23E-05	8.28E-05	2.9E-08	8.7E-08	5.0E-08	4.5E-08	2.1E-08	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
327	641494.56	4290386.75	641494.56, 4290	4.39302	4.39354	4.39302	4.60813	1.52E-07	2.43E-08	4.56E-07	9.96E-05	1.00E-04	3.5E-08	1.0E-07	6.1E-08	5.5E-08	2.5E-08	1.3E-10	3.1E-09	1.6E-09	1.4E-09	4.3E-10	6.6E-09
328	641534.56	4290386.75	641534.56, 4290	5.23528	5.23586	5.23528	5.65119	1.81E-07	2.90E-08	5.43E-07	1.22E-04	1.23E-04	4.3E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.6E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
329	641574.56	4290386.75	641574.56, 4290	6.24926	6.24991	6.24926	6.98551	2.16E-07	3.46E-08	6.48E-07	1.51E-04	1.52E-04	5.3E-08	1.6E-07	9.2E-08	8.3E-08	3.8E-08	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.5E-10	1.0E-08
330	641614.56	4290386.75	641614.56, 4290	7.43023	7.43092	7.43023	8.63095	2.57E-07	4.11E-08	7.70E-07	1.87E-04	1.88E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.4E-10	5.7E-09	2.9E-09	2.7E-09	8.1E-10	1.2E-08
331	641654.56	4290386.75	641654.56, 4290	8.77093	8.77161	8.77093	10.60296	3.03E-07	4.85E-08	9.09E-07	2.29E-04	2.31E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
332	641694.56	4290386.75	641694.56, 4290	10.22739	10.22804	10.22739	12.87854	3.53E-07	5.66E-08	1.06E-06	2.78E-04	2.80E-04	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.5E-10	8.5E-09	4.4E-09	4.0E-09	1.2E-09	1.8E-08
333	641734.56	4290386.75	641734.56, 4290	11.90632	11.90712	11.90632	15.344	4.12E-07	6.58E-08	1.23E-06	3.32E-04	3.33E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	4.2E-10	1.0E-08	5.2E-09	4.7E-09	1.4E-09	2.2E-08
334	641774.56	4290386.75	641774.56, 4290	13.94789	13.94852	13.94789	18.59391	4.82E-07	7.71E-08	1.45E-06	4.02E-04	4.04E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	5.1E-10	1.2E-08	6.3E-09	5.7E-09	1.7E-09	2.7E-08
335	641814.56	4290386.75	641814.56, 4290	15.1877	15.18691	15.1877	21.34621	5.25E-07	8.40E-08	1.57E-06	4.62E-04	4.64E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.8E-10	1.4E-08	7.3E-09	6.6E-09	2.0E-09	3.1E-08
336	641854.56	4290386.75	641854.56, 4290	14.34365	14.34148	14.34365	19.90721	4.96E-07	7.93E-08	1.49E-06	4.30E-04	4.33E-04	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	5.5E-10	1.3E-08	6.8E-09	6.1E-09	1.9E-09	2.9E-08
337	641894.56	4290386.75	641894.56, 4290	12.0861	12.08365	12.0861	15.76425	4.18E-07	6.68E-08	1.25E-06	3.41E-04	3.43E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	4.3E-10	1.0E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
338	641934.56	4290386.75	641934.56, 4290	9.6599	9.65784	9.6599	11.81022	3.34E-07	5.34E-08	1.00E-06	2.55E-04	2.57E-04	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.4E-08	3.2E-10	7.8E-09	4.0E-09	3.7E-09	1.1E-09	1.7E-08
339	641974.56	4290386.75	641974.56, 4290	7.62302	7.62145	7.62302	8.83262	2.63E-07	4.21E-08	7.90E-07	1.91E-04	1.92E-04	6.6E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.4E-10	5.9E-09	3.0E-09	2.7E-09	8.3E-10	1.3E-08
340	642014.56	4290386.75	642014.56, 4290	6.04912	6.04796	6.04912	6.71828	2.09E-07	3.34E-08	6.27E-07	1.45E-04	1.46E-04	5.1E-08	1.5E-07	8.8E-08	8.0E-08	3.7E-08	1.8E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
341	642054.56	4290386.75	642054.56, 4290	4.854	4.85314	4.854	5.22119	1.68E-07	2.68E-08	5.03E-07	1.13E-04	1.14E-04	3.9E-08	1.2E-07	6.9E-08	6.2E-08	2.8E-08	1.4E-10	3.5E-09	1.8E-09	1.6E-09	4.9E-10	7.5E-09
342	642094.56	4290386.75	642094.56, 4290	3.94979	3.94915	3.94979	4.15227	1.37E-07	2.18E-08	4.10E-07	8.98E-05	9.04E-05	3.1E-08	9.4E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
343	642134.56	4290386.75	642134.56, 4290	3.25882	3.25834	3.25882	3.37254	1.13E-07	1.80E-08	3.38E-07	7.29E-05	7.34E-05	2.5E-08	7.7E-08	4.4E-08	4.0E-08	1.8E-08	9.3E-11	2.2E-09	1.2E-09	1.0E-09	3.2E-10	4.8E-09
344	642174.56	4290386.75	642174.56, 4290	2.73295	2.73258	2.73295	2.79945	9.45E-08	1.51E-08	2.83E-07	6.05E-05	6.09E-05	2.1E-08	6.4E-08	3.7E-08	3.3E-08	1.5E-08	7.7E-11	1.9E-09	9.6E-10	8.7E-10	2.6E-10	4.0E-09
345	642214.56	4290386.75	642214.56, 4290	2.32321	2.32292	2.32321	2.36416	8.03E-08	1.28E-08	2.41E-07	5.11E-05	5.15E-05	1.8E-08	5.4E-08	3.1E-08	2.8E-08	1.3E-08	6.5E-11	1.6E-09	8.1E-10	7.3E-10	2.2E-10	3.4E-09
346	642254.56	4290386.75	642254.56, 4290	2.00007	1.99984	2.00007	2.02687	6.91E-08	1.11E-08	2.07E-07	4.38E-05	4.41E-05	1.5E-08	4.6E-08	2.7E-08	2.4E-08	1.1E-08	5.6E-11	1.3E-09	6.9E-10	6.3E-10	1.9E-10	2.9E-09
347	642294.56	4290386.75	642294.56, 4290	1.74086	1.74067	1.74086	1.75947	6.02E-08	9.63E-09	1.81E-07	3.80E-05	3.83E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.6E-09	4.8E-11	1.2E-09	6.0E-10	5.4E-10	1.6E-10	2.5E-09
348	642334.56	4290386.75	642334.56, 4290	1.52985	1.5297	1.52985	1.5434	5.29E-08	8.46E-09	1.59E-07	3.34E-05	3.36E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.4E-09	4.2E-11	1.0E-09	5.3E-10	4.8E-10	1.4E-10	2.2E-09
349	642374.56	4290386.75	642374.56, 4290	1.35647	1.35635	1.35647	1.36662	4.69E-08	7.50E-09	1.41E-07	2.96E-05	2.97E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.8E-11	9.1E-10	4.7E-10	4.2E-10	1.3E-10	2.0E-09
350	642414.56	4290386.75	642414.56, 4290	1.21195	1.21185	1.21195	1.21963	4.19E-08	6.70E-09	1.26E-07	2.64E-05	2.65E-05	9.2E-09	2.8E-08	1.6E-08	1.5E-08	6.6E-09	3.3E-11	8.1E-10	4.2E-10	3.8E-10	1.1E-10	1.8E-09
351	642454.56	4290386.75	642454.56, 4290	1.09192	1.09183	1.09192	1.09772	3.77E-08	6.04E-09	1.13E-07	2.37E-05	2.39E-05	8.3E-09	2.5E-08	1.4E-08	1.3E-08	6.0E-09	3.0E-11	7.3E-10	3.7E-10	3.4E-10	1.0E-10	1.6E-09
352	642494.56	4290386.75	642494.56, 4290	0.9898	0.98973	0.9898	0.9941	3.42E-08	5.47E-09	1.03E-07	2.15E-05	2.16E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.4E-09	2.7E-11	6.6E-10	3.4E-10	3.1E-10	9.3E-11	1.4E-09
353	642534.56	4290386.75	642534.56, 4290	0.90207	0.902	0.90207	0.90513	3.12E-08	4.99E-09	9.35E-08	1.96E-05	1.97E-05	6.8E-09	2.1E-08	1.2E-08	1.1E-08	4.9E-09	2.5E-11	6.0E-10	3.1E-10	2.8E-10	8.5E-11	1.3E-09
354	642574.56	4290386.75	642574.56, 4290	0.82573	0.82567	0.82573	0.82776	2.85E-08	4.57E-09	8.56E-08	1.79E-05	1.80E-05	6.2E-09	1.9E-08	1.1E-08	9.9E-09	4.5E-09	2.3E-11	5.5E-10	2.8E-10	2.6E-10	7.8E-11	1.2E-09
355	642614.56	4290386.75	642614.56, 4290	0.75928	0.75923	0.75928	0.76046	2.62E-08	4.20E-09	7.87E-08	1.64E-05	1.66E-05	5.7E-09	1.7E-08	1.0E-08	9.1E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.4E-10	7.1E-11	1.1E-09
356	641374.56	4290426.75	641374.56, 4290	2.89884	2.89919	2.89884	2.89903	1.00E-07	1.60E-08	3.01E-07	6.27E-05	6.31E-05	2.2E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	8.0E-11	1.9E-09	9.9E-10	9.0E-10	2.7E-10	4.2E-09
357	641414.56	4290426.75	641414.56, 4290	3.43379	3.43423	3.43379	3.44669	1.19E-07	1.90E-08	3.56E-07	7.45E-05	7.50E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	9.5E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
358	641454.56	4290426.75	641454.56, 4290	4.11935	4.11991	4.11935	4.17059	1.42E-07	2.28E-08	4.27E-07	9.02E-05	9.08E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
359	641494.56	4290426.75	641494.56, 4290	5.00156	5.00228	5.00156	5.1489	1.73E-07	2.77E-08	5.19E-07	1.11E-04	1.12E-04	3.9E-08	1.2E-07	6.8E-08	6.1E-08	2.8E-08	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.8E-10	7.4E-09
360	641534.56	4290426.75	641534.56, 4290	6.18008	6.18096	6.18008	6.52864	2.14E-07	3.42E-08	6.41E-07	1.41E-04	1.42E-04	4.9E-08	1.5E-07	8.6E-08	7.8E-08	3.6E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.4E-09
361	641574.56	4290426.75	641574.56, 4290	7.68415	7.6852	7.68415	8.45545	2.66E-07	4.25E-08	7.97E-07	1.83E-04	1.84E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.3E-10	5.6E-09	2.9E-09	2.6E-09	7.9E-10	1.2E-08
362	641614.56	4290426.75	641614.56, 4290	9.53487	9.53606	9.53487	11.09154	3.30E-07	5.27E-08	9.89E-07	2.40E-04	2.41E-04	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	3.0E-10	7.3E-09	3.8E-09	3.4E-09	1.0E-09	1.6E-08
363	641654.56	4290426.75	641654.56, 4290	11.7479	11.74913	11.7479	14.55359	4.06E-07	6.50E-08	1.22E-06	3.15E-04	3.16E-04	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	4.0E-10	9.6E-09	5.0E-09	4.5E-09	1.4E-09	2.1E-08
364	641694.56	4290426.75	641694.56, 4290	14.26299	14.26418	14.26299	18.85515	4.93E-07	7.89E-08	1.48E-06	4.08E-04	4.10E-04	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	5.2E-10	1.2E-08	6.4E-09	5.8E-09	1.8E-09	2.7E-08
365	641734.56	4290426.75	641734.56, 4290	17.2915	17.29298	17.2915	23.94044	5.98E-07	9.56E-08	1.79E-06	5.18E-04	5.20E-04	1.8E-07	5.4E-07	3.1E-07	2.9E-07	1.3E-07	6.6E-10	1.6E-08	8.2E-09	7.4E-09	2.2E-09	3.4E-08
366	641774.56	4290426.75	641774.56, 4290	20.76454	20.76508	20.76454	30.57199	7.18E-07	1.15E-07	2.15E-06	6.61E-04	6.64E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	8.4E-10	2.0E-08	1.0E-08	9.4E-09	2.9E-09	4.4E-08
367	641814.56	4290426.75	641814.56, 4290	21.4823	21.47946	21.4823	32.81344	7.42E-07	1.19E-07	2.23E-06	7.10E-04	7.13E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.7E-08
368	641854.56	4290426.75	641854.56, 4290	18.28989	18.28559	18.28989	25.94384	6.32E-07	1.01E-07	1.90E-06	5.61E-04	5.64E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	7.1E-10	1.7E-08	8.8E-09	8.0E-09	2.4E-09	3.7E-08
369	641894.56	4290426.75	641894.56, 4290	14.03392	14.03026	14.03392	18.0529	4.85E-07	7.76E-08	1.46E-06	3.90E-04	3.92E-04	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	4.9E-10	1.2E-08	6.2E-09	5.6E-09	1.7E-09	2.6E-08
370	641934.56	4290426.75	641934.56, 4290	10.48741	10.48479	10.48741	12.46423	3.62E-07	5.80E-08	1.09E-06	2.70E-04	2.71E-04	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	3.4E-10	8.3E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
371	641974.56	4290426.75	641974.56, 4290	7.91625	7.91444	7.91625	8.87965	2.74E-07	4.38E-08	8.21E-07	1.92E-04	1.93E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.4E-10	5.9E-09	3.0E-09	2.7E-09	8.3E-10	1.3E-08
372	642014.56	4290426.75	642014.56, 4290	6.10536	6.1041	6.10536	6.58322	2.11E-07	3.38E-08	6.33E-07	1.42E-04	1.43E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.8E-10	4.4E-09	2.2E-09	2.0E-09	6.2E-10	9.4E-09
373	642054.56	4290426.75	642054.56, 4290	4.81532	4.81443	4.81532	5.06213	1.66E-07	2.66E-08	4.99E-07	1.09E-04	1.10E-04	3.8E-08	1.2E-07	6.7E-08	6.0E-08	2.8E-08	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.7E-10	7.3E-09
374	642094.56	4290426.75	642094.56, 4290	3.87906	3.87842	3.87906	4.01461	1.34E-07	2.14E-08	4.02E-07	8.68E-05	8.74E-05	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.8E-09
375	642134.56	4290426.75	642134.56, 4290	3.18608	3.18561	3.18608	3.26627	1.10E-07	1.76E-08	3.30E-07	7.06E-05	7.11E-05	2.5E-08	7.4E-08	4.3E-08	3.9E-08	1.8E-08	9.0E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.7E-09
376	642174.56	4290426.75	642174.56, 4290	2.66549	2.66513	2.66549	2.71683	9.21E-08	1.47E-08	2.76E-07	5.87E-05	5.91E-05	2.0E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	7.5E-11	1.8E-09	9.3E-10	8.4E-10	2.5E-10	3.9E-09
377	642214.56	4290426.75	642214.56, 4290	2.26461	2.26433	2.26461	2.29967	7.83E-08	1.25E-08	2.35E-07	4.97E-05	5.01E-05	1.7E-08	5.2E-08	3.0E-08	2.7E-08	1.3E-08	6.3E-11	1.5E-09	7.8E-10	7.1E-10	2.2E-10	3.3E-09
378	642254.56	4290426.75	642254.56, 4290	1.95004	1.94982	1.95004	1.97511	6.74E-08	1.08E-08	2.02E-07	4.27E-05	4.30E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.4E-11	1.3E-09	6.7E-10	6.1E-10	1.9E-10	2.8E-09
379	642294.56	4290426.75	642294.56, 4290	1.69985	1.69967	1.69985	1.71829	5.88E-08	9.40E-09	1.76E-07	3.72E-05	3.74E-05	1.3E-08	3.9E-08	2.3E-08	2.1E-08	9.4E-09	4.7E-11	1.1E-09	5.9E-10	5.3E-10	1.6E-10	2.5E-09
380	642334.56	4290426.75	642334.56, 4290	1.49639	1.49625	1.49639	1.51013	5.17E-08	8.27E-09	1.55E-07	3.27E-05	3.29E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.2E-09	4.1E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
381	642374.56	4290426.75	642374.56, 4290	1.32899	1.32887	1.32899	1.33921	4.59E-08	7.35E-09	1.38E-07	2.90E-05	2.91E-05	1.0E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	3.7E-11	8.9E-10	4.6E-10	4.1E-10	1.3E-10	1.9E-09
382	642414.56	4290426.75	642414.56, 4290	1.18926	1.18916	1.18926	1.19676	4.11E-08	6.58E-09	1.23E-07	2.59E-05	2.60E-05	9.0E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
383	642454.56	4290426.75	642454.56, 4290	1.07245	1.07237	1.07245	1.07785	3.71E-08	5.93E-09	1.11E-07	2.33E-05	2.35E-05	8.1E-09	2.5E-08	1.4E-08	1.3E-08	5.9E-09	3.0E-11	7.1E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
384	642494.56	4290426.75	642494.56, 4290	0.97335	0.97328	0.97335	0.97713	3.36E-08	5.38E-09	1.01E-07	2.11E-05	2.13E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.2E-11	1.4E-09
385	642534.56	4290426.75	642534.56, 4290	0.88827	0.8882	0.88827	0.89077	3.07E-08	4.91E-09	9.21E-08	1.93E-05	1.94E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.9E-09	2.4E-11	5.9E-10	3.0E-10	2.8E-10	8.3E-11	1.3E-09
386	642574.56	4290426.75	642574.56, 4290	0.81392	0.81387	0.81392	0.81541	2.81E-08	4.50E-09	8.44E-08	1.76E-05	1.77E-05	6.1E-09	1.9E-08	1.1E-08	9.7E-09	4.4E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
387	642614.56	4290426.75	642614.56, 4290	0.74947	0.74942	0.74947	0.75018	2.59E-08	4.14E-09	7.77E-08	1.62E-05	1.63E-05	5.7E-09	1.7E-08	9.9E-09	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.0E-11	1.1E-09
388	641374.56	4290466.75	641374.56, 4290	3.10877	3.10917	3.10877	3.0925	1.07E-07	1.72E-08	3.22E-07	6.69E-05	6.73E-05	2.3E-08	7.0E-08	4.1E-08	3.7E-08	1.7E-08	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.4E-09
389	641414.56	4290466.75	641414.56, 4290	3.72191	3.72243	3.72191	3.71177	1.29E-07	2.06E-08	3.86E-07	8.03E-05	8.08E-05	2.8E-08	8.4E-08	4.9E-08	4.4E-08	2.0E-08	1.0E-10	2.5E-09	1.3E-09	1.1E-09	3.5E-10	5.3E-09
390	641454.56	4290466.75	641454.56, 4290	4.53974	4.54044	4.53974	4.54804	1.57E-07	2.51E-08	4.71E-07	9.83E-05	9.90E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.2E-10	3.0E-09	1.6E-09	1.4E-09	4.3E-10	6.5E-09
391	641494.56	4290466.75	641494.56, 4290	5.65432	5.65527	5.65432	5.71677	1.95E-07	3.13E-08	5.86E-07	1.24E-04	1.24E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.2E-09
392	641534.56	4290466.75	641534.56, 4290	7.24359	7.2449	7.24359	7.44657	2.50E-07	4.01E-08	7.51E-07	1.61E-04	1.62E-04	5.6E-08	1.7E-07	9.8E-08	8.9E-08	4.1E-08	2.0E-10	4.9E-09	2.5E-09	2.3E-09	7.0E-10	1.1E-08
393	641574.56	4290466.75	641574.56, 4290	9.46455	9.46631	9.46455	10.08507	3.27E-07	5.23E-08	9.81E-07	2.18E-04	2.19E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.8E-10	6.7E-09	3.4E-09	3.1E-09	9.4E-10	1.4E-08
394	641614.56	4290466.75	641614.56, 4290	12.50308	12.50528	12.50308	14.24858	4.32E-07	6.92E-08	1.30E-06	3.08E-04	3.10E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.8E-08	3.9E-10	9.4E-09	4.9E-09	4.4E-09	1.3E-09	2.0E-08
395	641654.56	4290466.75	641654.56, 4290	16.42592	16.4284	16.42592	20.67964	5.68E-07	9.09E-08	1.70E-06	4.47E-04	4.50E-04	1.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	5.7E-10	1.4E-08	7.1E-09	6.4E-09	1.9E-09	3.0E-08
396	641694.56	4290466.75	641694.56, 4290	21.35113	21.35366	21.35113	30.22899	7.38E-07	1.18E-07	2.21E-06	6.54E-04	6.57E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	8.3E-10	2.0E-08	1.0E-08	9.3E-09	2.8E-09	4.3E-08
397	641734.56	4290466.75	641734.56, 4290	27.5822	27.58532	27.5822	43.1256	9.53E-07	1.53E-07	2.86E-06	9.33E-04	9.36E-04	3.2E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	4.0E-09	6.2E-08
398	641774.56	4290466.75	641774.56, 4290	33.84489	33.84353	33.84489	58.83973	1.17E-06	1.87E-07	3.51E-06	1.27E-03	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	5.5E-09	8.4E-08
399	641814.56	4290466.75	641814.56, 4290	30.98205	30.97376	30.98205	51.21839	1.07E-06	1.71E-07	3.21E-06	1.11E-03	1.11E-03	3.8E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	4.8E-09	7.3E-08
400	641854.56	4290466.75	641854.56, 4290	22.59323	22.58567	22.59323	31.69113	7.81E-07	1.25E-07	2.34E-06	6.85E-04	6.89E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	3.0E-09	4.5E-08
401	641894.56	4290466.75	641894.56, 4290	15.58431	15.57937	15.58431	19.21263	5.39E-07	8.62E-08	1.62E-06	4.15E-04	4.18E-04	1.4E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	5.3E-10	1.3E-08	6.6E-09	5.9E-09	1.8E-09	2.8E-08
402	641934.56	4290466.75	641934.56, 4290	10.91341	10.91036	10.91341	12.38232	3.77E-07	6.03E-08	1.13E-06	2.68E-04	2.69E-04	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.4E-10	8.2E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
403	641974.56	4290466.75	641974.56, 4290	7.93983	7.9379	7.93983	8.58402	2.74E-07	4.39E-08	8.23E-07	1.86E-04	1.87E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.4E-10	5.7E-09	2.9E-09	2.7E-09	8.0E-10	1.2E-08
404	642014.56	4290466.75	642014.56, 4290	5.99857	5.9973	5.99857	6.31457	2.07E-07	3.32E-08	6.22E-07	1.37E-04	1.37E-04	4.8E-08	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.1E-09
405	642054.56	4290466.75	642054.56, 4290	4.68776	4.68689	4.68776	4.86286	1.62E-07	2.59E-08	4.86E-07	1.05E-04	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.3E-10	3.2E-09	1.7E-09	1.5E-09	4.6E-10	7.0E-09
406	642094.56	4290466.75	642094.56, 4290	3.76592	3.76529	3.76592	3.87364	1.30E-07	2.08E-08	3.90E-07	8.38E-05	8.43E-05	2.9E-08	8.8E-08	5.1E-08	4.6E-08	2.1E-08	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.6E-10	5.6E-09
407	642134.56	4290466.75	642134.56, 4290	3.09364	3.09318	3.09364	3.16499	1.07E-07	1.71E-08	3.21E-07	6.84E-05	6.89E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.7E-11	2.1E-09	1.1E-09	9.8E-10	3.0E-10	4.5E-09
408	642174.56	4290466.75	642174.56, 4290	2.59045	2.5901	2.59045	2.64011	8.95E-08	1.43E-08	2.69E-07	5.71E-05	5.75E-05	2.0E-08	6.0E-08	3.5E-08	3.2E-08	1.4E-08	7.2E-11	1.8E-09	9.0E-10	8.2E-10	2.5E-10	3.8E-09
409	642214.56	4290466.75	642214.56, 4290	2.20434	2.20407	2.20434	2.23995	7.62E-08	1.22E-08	2.29E-07	4.84E-05	4.88E-05	1.7E-08	5.1E-08	2.9E-08	2.7E-08	1.2E-08	6.1E-11	1.5E-09	7.6E-10	6.9E-10	2.1E-10	3.2E-09
410	642254.56	4290466.75	642254.56, 4290	1.90186	1.90165	1.90186	1.9278	6.57E-08	1.05E-08	1.97E-07	4.17E-05	4.20E-05	1.5E-08	4.4E-08	2.5E-08	2.3E-08	1.1E-08	5.3E-11	1.3E-09	6.6E-10	6.0E-10	1.8E-10	2.8E-09
411	642294.56	4290466.75	642294.56, 4290	1.66198	1.66181	1.66198	1.68112	5.74E-08	9.19E-09	1.72E-07	3.64E-05	3.66E-05	1.3E-08	3.8E-08	2.2E-08	2.0E-08	9.2E-09	4.6E-11	1.1E-09	5.7E-10	5.2E-10	1.6E-10	2.4E-09
412	642334.56	4290466.75	642334.56, 4290	1.46642	1.46628	1.46642	1.48055	5.07E-08	8.11E-09	1.52E-07	3.20E-05	3.22E-05	1.1E-08	3.4E-08	1.9E-08	1.8E-08	8.1E-09	4.1E-11	9.8E-10	5.1E-10	4.6E-10	1.4E-10	2.1E-09
413	642374.56	4290466.75	642374.56, 4290	1.30467	1.30455	1.30467	1.31506	4.51E-08	7.21E-09	1.35E-07	2.84E-05	2.86E-05	9.9E-09	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.6E-11	8.7E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
414	642414.56	4290466.75	642414.56, 4290	1.16936	1.16926	1.16936	1.17691	4.04E-08	6.47E-09	1.21E-07	2.54E-05	2.56E-05	8.9E-09	2.7E-08	1.5E-08	1.4E-08	6.4E-09	3.2E-11	7.8E-10	4.0E-10	3.6E-10	1.1E-10	1.7E-09
415	642454.56	4290466.75	642454.56, 4290	1.05508	1.05499	1.05508	1.0605	3.65E-08	5.83E-09	1.09E-07	2.29E-05	2.31E-05	8.0E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.9E-11	7.0E-10	3.6E-10	3.3E-10	9.9E-11	1.5E-09
416	642494.56	4290466.75	642494.56, 4290	0.95842	0.95835	0.95842	0.96225	3.31E-08	5.30E-09	9.94E-08	2.08E-05	2.09E-05	7.3E-09	2.2E-08	1.3E-08	1.1E-08	5.2E-09	2.6E-11	6.4E-10	3.3E-10	3.0E-10	9.0E-11	1.4E-09
417	642534.56	4290466.75	642534.56, 4290	0.87562	0.87556	0.87562	0.87824	3.03E-08	4.84E-09	9.08E-08	1.90E-05	1.91E-05	6.6E-09	2.0E-08	1.2E-08	1.0E-08	4.8E-09	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.2E-11	1.3E-09
418	642574.56	4290466.75	642574.56, 4290	0.80349	0.80343	0.80349	0.80519	2.78E-08	4.44E-09	8.33E-08	1.74E-05	1.75E-05	6.1E-09	1.8E-08	1.1E-08	9.6E-09	4.4E-09	2.2E-11	5.3E-10	2.7E-10	2.5E-10	7.5E-11	1.2E-09

419	642614.56	4290466.75	642614.56, 429(	0.74082	0.74078	0.74082	0.74183	2.56E-08	4.10E-09	7.68E-08	1.60E-05	1.61E-05	5.6E-09	1.7E-08	9.8E-09	8.9E-09	4.0E-09	2.0E-11	4.9E-10	2.5E-10	2.3E-10	7.0E-11	1.1E-09
420	641920.09	4290522.63	641920.09, 429(	12.22264	12.21875	12.22264	13.3804	4.22E-07	6.76E-08	1.27E-06	2.89E-04	2.91E-04	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	3.7E-10	8.9E-09	4.6E-09	4.1E-09	1.3E-09	1.9E-08
421	641960.09	4290522.63	641960.09, 429(	8.51149	8.50926	8.51149	9.07679	2.94E-07	4.71E-08	8.83E-07	1.96E-04	1.97E-04	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
422	642000.09	4290522.63	642000.09, 429(	6.28649	6.28509	6.28649	6.60877	2.17E-07	3.48E-08	6.52E-07	1.43E-04	1.44E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.8E-10	4.4E-09	2.3E-09	2.0E-09	6.2E-10	9.5E-09
423	642040.09	4290522.63	642040.09, 429(	4.85395	4.85302	4.85395	5.05609	1.68E-07	2.68E-08	5.03E-07	1.09E-04	1.10E-04	3.8E-08	1.2E-07	6.7E-08	6.0E-08	2.8E-08	1.4E-10	3.4E-09	1.7E-09	1.6E-09	4.7E-10	7.3E-09
424	642080.09	4290522.63	642080.09, 429(	3.8748	3.87415	3.8748	4.00938	1.34E-07	2.14E-08	4.02E-07	8.67E-05	8.73E-05	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.8E-09
425	642120.09	4290522.63	642120.09, 429(	3.17163	3.17115	3.17163	3.2645	1.10E-07	1.75E-08	3.29E-07	7.06E-05	7.10E-05	2.5E-08	7.4E-08	4.3E-08	3.9E-08	1.8E-08	9.0E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.7E-09
426	642160.09	4290522.63	642160.09, 429(	2.65042	2.65006	2.65042	2.7163	9.16E-08	1.47E-08	2.75E-07	5.87E-05	5.91E-05	2.0E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	7.5E-11	1.8E-09	9.3E-10	8.4E-10	2.5E-10	3.9E-09
427	642200.09	4290522.63	642200.09, 429(	2.25332	2.25304	2.25332	2.30114	7.79E-08	1.25E-08	2.34E-07	4.98E-05	5.01E-05	1.7E-08	5.2E-08	3.0E-08	2.7E-08	1.3E-08	6.3E-11	1.5E-09	7.9E-10	7.1E-10	2.2E-10	3.3E-09
428	642240.09	4290522.63	642240.09, 429(	1.94287	1.94265	1.94287	1.97819	6.72E-08	1.07E-08	2.01E-07	4.28E-05	4.31E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.4E-11	1.3E-09	6.8E-10	6.1E-10	1.9E-10	2.8E-09
429	642280.09	4290522.63	642280.09, 429(	1.69554	1.69536	1.69554	1.72202	5.86E-08	9.38E-09	1.76E-07	3.72E-05	3.75E-05	1.3E-08	3.9E-08	2.3E-08	2.1E-08	9.4E-09	4.7E-11	1.1E-09	5.9E-10	5.3E-10	1.6E-10	2.5E-09
430	642320.09	4290522.63	642320.09, 429(	1.4949	1.49475	1.4949	1.51501	5.17E-08	8.27E-09	1.55E-07	3.28E-05	3.30E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.3E-09	4.2E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
431	642360.09	4290522.63	642360.09, 429(	1.32931	1.32919	1.32931	1.34473	4.59E-08	7.35E-09	1.38E-07	2.91E-05	2.93E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.3E-09	3.7E-11	8.9E-10	4.6E-10	4.2E-10	1.3E-10	1.9E-09
432	642400.09	4290522.63	642400.09, 429(	1.19107	1.19097	1.19107	1.20299	4.12E-08	6.59E-09	1.24E-07	2.60E-05	2.62E-05	9.1E-09	2.7E-08	1.6E-08	1.4E-08	6.6E-09	3.3E-11	8.0E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
433	642440.09	4290522.63	642440.09, 429(	1.07425	1.07417	1.07425	1.08352	3.71E-08	5.94E-09	1.11E-07	2.34E-05	2.36E-05	8.2E-09	2.5E-08	1.4E-08	1.3E-08	5.9E-09	3.0E-11	7.2E-10	3.7E-10	3.4E-10	1.0E-10	1.6E-09
434	642480.09	4290522.63	642480.09, 429(	0.97521	0.97514	0.97521	0.98247	3.37E-08	5.39E-09	1.01E-07	2.12E-05	2.14E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.4E-09	2.7E-11	6.5E-10	3.4E-10	3.0E-10	9.2E-11	1.4E-09
435	642520.09	4290522.63	642520.09, 429(	0.89012	0.89005	0.89012	0.89583	3.08E-08	4.92E-09	9.23E-08	1.94E-05	1.95E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.9E-09	2.5E-11	5.9E-10	3.1E-10	2.8E-10	8.4E-11	1.3E-09
436	642560.09	4290522.63	642560.09, 429(	0.81644	0.81639	0.81644	0.82095	2.82E-08	4.51E-09	8.47E-08	1.78E-05	1.79E-05	6.2E-09	1.9E-08	1.1E-08	9.8E-09	4.5E-09	2.3E-11	5.4E-10	2.8E-10	2.5E-10	7.7E-11	1.2E-09
437	642600.09	4290522.63	642600.09, 429(	0.75216	0.75211	0.75216	0.75572	2.60E-08	4.16E-09	7.80E-08	1.63E-05	1.64E-05	5.7E-09	1.7E-08	1.0E-08	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.1E-11	1.1E-09
438	641920.09	4290562.63	641920.09, 429(	11.63819	11.63454	11.63819	12.83358	4.02E-07	6.43E-08	1.21E-06	2.78E-04	2.79E-04	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.5E-10	8.5E-09	4.4E-09	4.0E-09	1.2E-09	1.8E-08
439	641960.09	4290562.63	641960.09, 429(	8.14972	8.14762	8.14972	8.79413	2.82E-07	4.51E-08	8.45E-07	1.90E-04	1.91E-04	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	2.4E-10	5.8E-09	3.0E-09	2.7E-09	8.2E-10	1.3E-08
440	642000.09	4290562.63	642000.09, 429(	6.05914	6.05782	6.05914	6.44384	2.09E-07	3.35E-08	6.28E-07	1.39E-04	1.40E-04	4.9E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
441	642040.09	4290562.63	642040.09, 429(	4.70311	4.70222	4.70311	4.94941	1.63E-07	2.60E-08	4.88E-07	1.07E-04	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.4E-10	3.3E-09	1.7E-09	1.5E-09	4.6E-10	7.1E-09
442	642080.09	4290562.63	642080.09, 429(	3.76965	3.76902	3.76965	3.93547	1.30E-07	2.08E-08	3.91E-07	8.51E-05	8.56E-05	3.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.7E-10	5.6E-09
443	642120.09	4290562.63	642120.09, 429(	3.09804	3.09758	3.09804	3.21401	1.07E-07	1.71E-08	3.21E-07	6.95E-05	6.99E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.8E-08	8.8E-11	2.1E-09	1.1E-09	9.9E-10	3.0E-10	4.6E-09
444	642160.09	4290562.63	642160.09, 429(	2.59683	2.59648	2.59683	2.68032	8.98E-08	1.44E-08	2.69E-07	5.80E-05	5.83E-05	2.0E-08	6.1E-08	3.5E-08	3.2E-08	1.5E-08	7.4E-11	1.8E-09	9.1E-10	8.3E-10	2.5E-10	3.8E-09
445	642200.09	4290562.63	642200.09, 429(	2.21467	2.21439	2.21467	2.27644	7.65E-08	1.22E-08	2.30E-07	4.92E-05	4.95E-05	1.7E-08	5.2E-08	3.0E-08	2.7E-08	1.2E-08	6.2E-11	1.5E-09	7.8E-10	7.0E-10	2.1E-10	3.3E-09
446	642240.09	4290562.63	642240.09, 429(	1.91365	1.91344	1.91365	1.96022	6.61E-08	1.06E-08	1.98E-07	4.24E-05	4.27E-05	1.5E-08	4.5E-08	2.6E-08	2.3E-08	1.1E-08	5.4E-11	1.3E-09	6.7E-10	6.1E-10	1.8E-10	2.8E-09
447	642280.09	4290562.63	642280.09, 429(	1.67272	1.67255	1.67272	1.70843	5.78E-08	9.25E-09	1.73E-07	3.69E-05	3.72E-05	1.3E-08	3.9E-08	2.2E-08	2.0E-08	9.3E-09	4.7E-11	1.1E-09	5.8E-10	5.3E-10	1.6E-10	2.5E-09
448	642320.09	4290562.63	642320.09, 429(	1.47666	1.47652	1.47666	1.50446	5.10E-08	8.17E-09	1.53E-07	3.25E-05	3.27E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.2E-09	4.1E-11	1.0E-09	5.1E-10	4.7E-10	1.4E-10	2.2E-09
449	642360.09	4290562.63	642360.09, 429(	1.31477	1.31465	1.31477	1.3367	4.54E-08	7.27E-09	1.36E-07	2.89E-05	2.91E-05	1.0E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	3.7E-11	8.9E-10	4.6E-10	4.1E-10	1.3E-10	1.9E-09
450	642400.09	4290562.63	642400.09, 429(	1.17942	1.17932	1.17942	1.19691	4.08E-08	6.52E-09	1.22E-07	2.59E-05	2.61E-05	9.0E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
451	642440.09	4290562.63	642440.09, 429(	1.06499	1.0649	1.06499	1.07907	3.68E-08	5.89E-09	1.10E-07	2.33E-05	2.35E-05	8.1E-09	2.5E-08	1.4E-08	1.3E-08	5.9E-09	3.0E-11	7.2E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
452	642480.09	4290562.63	642480.09, 429(	0.9674	0.96733	0.9674	0.97883	3.34E-08	5.35E-09	1.00E-07	2.12E-05	2.13E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.2E-11	1.4E-09
453	642520.09	4290562.63	642520.09, 429(	0.88339	0.88332	0.88339	0.89273	3.05E-08	4.88E-09	9.16E-08	1.93E-05	1.94E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.9E-09	2.5E-11	5.9E-10	3.0E-10	2.8E-10	8.4E-11	1.3E-09
454	642560.09	4290562.63	642560.09, 429(	0.8104	0.81034	0.8104	0.81808	2.80E-08	4.48E-09	8.40E-08	1.77E-05	1.78E-05	6.2E-09	1.9E-08	1.1E-08	9.8E-09	4.5E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.7E-11	1.2E-09
455	642600.09	4290562.63	642600.09, 429(	0.74647	0.74642	0.74647	0.75283	2.58E-08	4.13E-09	7.74E-08	1.63E-05	1.64E-05	5.7E-09	1.7E-08	9.9E-09	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.1E-11	1.1E-09
456	641920.09	4290602.63	641920.09, 429(	11.12075	11.11734	11.12075	12.3343	3.84E-07	6.15E-08	1.15E-06	2.67E-04	2.68E-04	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.4E-10	8.2E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
457	641960.09	4290602.63	641960.09, 429(	7.86737	7.86539	7.86737	8.55732	2.72E-07	4.35E-08	8.16E-07	1.85E-04	1.86E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.7E-08	2.3E-10	5.7E-09	2.9E-09	2.6E-09	8.0E-10	1.2E-08
458	642000.09	4290602.63	642000.09, 429(	5.88957	5.88831	5.88957	6.31709	2.04E-07	3.26E-08	6.11E-07	1.37E-04	1.37E-04	4.8E-08	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.1E-09
459	642040.09	4290602.63	642040.09, 429(	4.59303	4.59217	4.59303	4.87478	1.59E-07	2.54E-08	4.76E-07	1.05E-04	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.7E-08	1.3E-10	3.2E-09	1.7E-09	1.5E-09	4.6E-10	7.0E-09
460	642080.09	4290602.63	642080.09, 429(	3.6944	3.69379	3.6944	3.88889	1.28E-07	2.04E-08	3.83E-07	8.41E-05	8.46E-05	2.9E-08	8.8E-08	5.1E-08	4.6E-08	2.1E-08	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.6E-10	5.6E-09
461	642120.09	4290602.63	642120.09, 429(	3.04449	3.04404	3.04449	3.18358	1.05E-07	1.68E-08	3.16E-07	6.88E-05	6.93E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.7E-11	2.1E-09	1.1E-09	9.8E-10	3.0E-10	4.6E-09
462	642160.09	4290602.63	642160.09, 429(	2.55798	2.55764	2.55798	2.66033	8.84E-08	1.41E-08	2.65E-07	5.75E-05	5.79E-05	2.0E-08	6.1E-08	3.5E-08	3.2E-08	1.4E-08	7.3E-11	1.8E-09	9.1E-10	8.2E-10	2.5E-10	3.8E-09
463	642200.09	4290602.63	642200.09, 429(	2.18553	2.18526	2.18553	2.26274	7.55E-08	1.21E-08	2.27E-07	4.89E-05	4.92E-05	1.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	6.2E-11	1.5E-09	7.7E-10	7.0E-10	2.1E-10	3.2E-09
464	642240.09	4290602.63	642240.09, 429(	1.89124	1.89103	1.89124	1.95056	6.54E-08	1.05E-08	1.96E-07	4.22E-05	4.24E-05	1.5E-08	4.4E-08	2.6E-08	2.3E-08	1.1E-08	5.4E-11	1.3E-09	6.7E-10	6.0E-10	1.8E-10	2.8E-09
465	642280.09	4290602.63	642280.09, 429(	1.6551	1.65493	1.6551	1.70144	5.72E-08	9.15E-09	1.72E-07	3.68E-05	3.70E-05	1.3E-08	3.9E-08	2.2E-08	2.0E-08	9.3E-09	4.7E-11	1.1E-09	5.8E-10	5.3E-10	1.6E-10	2.4E-09
466	642320.09	4290602.63	642320.09, 429(	1.46268	1.46254	1.46268	1.4994	5.06E-08	8.09E-09	1.52E-07	3.24E-05	3.26E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.2E-09	4.1E-11	9.9E-10	5.1E-10	4.6E-10	1.4E-10	2.2E-09
467	642360.09	4290602.63	642360.09, 429(	1.30357	1.30345	1.30357	1.33304	4.51E-08	7.21E-09	1.35E-07	2.88E-05	2.90E-05	1.0E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	3.7E-11	8.8E-10	4.6E-10	4.1E-10	1.2E-10	1.9E-09
468	642400.09	4290602.63	642400.09, 429(	1.17035	1.17025	1.17035	1.19426	4.05E-08	6.47E-09	1.21E-07	2.58E-05	2.60E-05	9.0E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
469	642440.09	4290602.63	642440.09, 429(	1.05762	1.05753	1.05762	1.0772	3.66E-08	5.85E-09	1.10E-07	2.33E-05	2.34E-05	8.1E-09	2.5E-08	1.4E-08	1.3E-08	5.9E-09	3.0E-11	7.1E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
470	642480.09	4290602.63	642480.09, 429(	0.96127	0.9612	0.96127	0.97745	3.32E-08	5.32E-09	9.97E-08	2.11E-05	2.13E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.2E-11	1.4E-09
471	642520.09	4290602.63	642520.09, 429(	0.87823	0.87816	0.87823	0.89168	3.04E-08	4.86E-09	9.11E-08	1.93E-05	1.94E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.9E-09	2.4E-11	5.9E-10	3.0E-10	2.8E-10	8.4E-11	1.3E-09
472	642560.09	4290602.63	642560.09, 429(	0.80603	0.80598	0.80603	0.8173	2.79E-08	4.46E-09	8.36E-08	1.77E-05	1.78E-05	6.2E-09	1.9E-08	1.1E-08	9.8E-09	4.5E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.7E-11	1.2E-09
473	642600.09	4290602.63	642600.09, 429(	0.74239	0.74234	0.74239	0.75186	2.57E-08	4.11E-09	7.70E-08	1.63E-05	1.64E-05	5.7E-09	1.7E-08	9.9E-09	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.0E-11	1.1E-09
474	641920.09	4290642.63	641920.09, 429(	10.62964	10.62653	10.62964	11.35148	3.67E-07	5.88E-08	1.10E-06	2.45E-04	2.47E-04	8.5E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	3.1E-10	7.5E-09	3.9E-09	3.5E-09	1.1E-09	1.6E-08
475	641960.09	4290642.63	641960.09, 429(	7.59889	7.59704	7.59889	8.08807	2.63E-07	4.20E-08	7.88E-07	1.75E-04	1.76E-04	6.1E-08	1.8E-07	1.1E-07	9.7E-08	4.4E-08	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
476	642000.09	4290642.63	642000.09, 429(	5.72833	5.72714	5.72833	6.07088	1.98E-07	3.17E-08	5.94E-07	1.31E-04	1.32E-04	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.7E-10	4.0E-09	2.1E-09	1.9E-09	5.7E-10	8.7E-09
477	642040.09	4290642.63	642040.09, 429(	4.48965	4.48884	4.48965	4.73637	1.55E-07	2.48E-08	4.66E-07	1.02E-04	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.7E-08	2.6E-08	1.3E-10	3.1E-09	1.6E-09	1.5E-09	4.4E-10	6.8E-09
478	642080.09	4290642.63	642080.09, 429(	3.62481	3.62422	3.62481	3.80692	1.25E-07	2.00E-08	3.76E-07	8.23E-05	8.28E-05	2.9E-08	8.7E-08	5.0E-08	4.5E-08	2.1E-08	1.0E-10	2.5E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
479	642120.09	4290642.63	642120.09, 429(	2.99548	2.99504	2.99548	3.1327	1.04E-07	1.66E-08	3.11E-07	6.77E-05	6.82E-05	2.4E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	8.6E-11	2.1E-09	1.1E-09	9.7E-10	2.9E-10	4.5E-09
480	642160.09	4290642.63	642160.09, 429(	2.52276	2.52242	2.52276	2.62811	8.72E-08	1.39E-08	2.62E-07	5.68E-05	5.72E-05	2.0E-08	6.0E-08	3.5E-08	3.1E-08	1.4E-08	7.2E-11	1.7E-09	9.0E-10	8.1E-10	2.5E-10	3.8E-09
481	642200.09	4290642.63	642200.09, 429(	2.15918	2.15892	2.15918	2.24148	7.46E-08	1.19E-08	2.24E-07	4.85E-05	4.88E-05	1.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	6.2E-11	1.5E-09	7.7E-10	6.9E-10	2.1E-10	3.2E-09
482	642240.09	4290642.63	642240.09, 429(	1.87107	1.87086	1.87107	1.93618	6.47E-08	1.03E-08	1.94E-07	4.19E-05	4.21E-05	1.5E-08	4.4E-08	2.5E-08	2.3E-08	1.1E-08	5.3E-11	1.3E-09	6.6E-10	6.0E-10	1.8E-10	2.8E-09
483	642280.09	4290642.63	642280.09, 429(	1.63948	1.63931	1.63948	1.69166	5.67E-08	9.07E-09	1.70E-07	3.66E-05	3.68E-05	1.3E-08	3.8E-08	2.2E-08	2.0E-08	9.2E-09	4.6E-11	1.1E-09	5.8E-10	5.2E-10	1.6E-10	2.4E-09
484	642320.09	4290642.63	642320.09, 429(	1.45035	1.45021	1.45035	1.49265	5.01E-08	8.02E-09	1.50E-07	3.23E-05	3.25E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.1E-09	4.1E-11	9.9E-10	5.1E-10	4.6E-10	1.4E-10	2.1E-09
485	642360.09	4290642.63	642360.09, 429(	1.29371	1.29359	1.29371	1.32835	4.47E-08	7.15E-09	1.34E-07	2.87E-05	2.89E-05	1.0E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.6E-11	8.8E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
486	642400.09	4290642.63	642400.09, 429(	1.16238	1.16228	1.16238	1.191	4.02E-08	6.43E-09	1.21E-07	2.58E-05	2.59E-05	9.0E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.3E-11	7.9E-10	4.1E-10	3.7E-10	1.1E-10	1.7E-09
487	642440.09	4290642.63	642440.09, 429(	1.05109	1.05101	1.05109	1.07493	3.63E-08	5.81E-09	1.09E-07	2.32E-05	2.34E-05	8.1E-09	2.4E-08	1.4E-08	1.3E-08	5.9E-09	3.0E-11	7.1E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
488	642480.09	4290642.63	642480.09, 429(	0.9559	0.95583	0.9559	0.97589	3.30E-08	5.29E-09	9.91E-08	2.11E-05	2.12E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.5E-10	3.3E-10	3.0E-10	9.1E-11	1.4E-09
489	642520.09	4290642.63	642520.09, 429(	0.87374	0.87368	0.87374	0.89061	3.02E-08	4.83E-09	9.06E-08	1.93E-05	1.94E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.9E-09	2.4E-11	5.9E-10	3.0E-10	2.8E-10	8.3E-11	1.3E-09
490	642560.09	4290642.63	642560.09, 429(	0.80227	0.80221	0.80227	0.81658	2.77E-08	4.44E-09	8.32E-08	1.77E-05	1.78E-05	6.2E-09	1.9E-08	1.1E-08	9.7E-09	4.4E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.7E-11	1.2E-09
491	642600.09	4290642.63	642600.09, 429(	0.73938	0.73933	0.73938	0.75157	2.56E-08	4.09E-09	7.67E-08	1.63E-05	1.64E-05	5.7E-09	1.7E-08	9.9E-09	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.0E-11	1.1E-09
492	641920.09	4290682.63	641920.09, 429(	9.8921	9.88948	9.8921	10.05128	3.42E-07	5.47E-08	1.03E-06	2.17E-04	2.19E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.8E-10	6.7E-09	3.4E-09	3.1E-09	9.4E-10	1.4E-08
493	641960.09	4290682.63	641960.09, 429(	7.20467	7.20305	7.20467	7.37633	2.49E-07	3.98E-08	7.47E-07	1.60E-04	1.61E-04	5.6E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	2.0E-10	4.9E-09	2.5E-09	2.3E-09	6.9E-10	1.1E-08
494	642000.09	4290682.63	642000.09, 429(	5.49677	5.49569	5.49677	5.66051	1.90E-07	3.04E-08	5.70E-07	1.22E-04	1.23E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.6E-10	3.8E-09	1.9E-09	1.8E-09	5.3E-10	8.1E-09
495	642040.09	4290682.63	642040.09, 429(	4.3445	4.34375	4.3445	4.48963	1.50E-07	2.40E-08	4.50E-07	9.71E-05	9.77E-05	3.4E-08	1.0E-07	5.9E-08	5.4E-08	2.4E-08	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
496	642080.09	4290682.63	642080.09, 429(	3.52916	3.52861	3.52916	3.65284	1.22E-07	1.95E-08	3.66E-07	7.90E-05	7.95E-05	2.8E-08	8.3E-08	4.8E-08	4.4E-08	2.0E-08	1.0E-10	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.2E-09
497	642120.09	4290682.63	642120.09, 429(	2.93005	2.92964	2.93005	3.03345	1.01E-07	1.62E-08	3.04E-07	6.56E-05	6.60E-05	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.7E-08	8.3E-11	2.0E-09	1.0E-09	9.4E-10	2.8E-10	4.4E-09
498	642160.09	4290682.63	642160.09, 429(	2.47685	2.47653	2.47685	2.56271	8.56E-08	1.37E-08	2.57E-07	5.54E-05	5.58E-05	1.9E-08	5.8E-08	3.4E-08	3.1E-08	1.4E-08	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.7E-09
499	642200.09	4290682.63	642200.09, 429(	2.12584	2.12559	2.12584	2.19714	7.35E-08	1.18E-08	2.20E-07	4.75E-05	4.78E-05	1.7E-08	5.0E-08	2.9E-08	2.6E-08	1.2E-08	6.0E-11	1.5E-09	7.5E-10	6.8E-10	2.1E-10	3.2E-09
500	642240.09	4290682.63	642240.09, 429(	1.84623	1.84603	1.84623	1.90548	6.38E-08	1.02E-08	1.91E-07	4.12E-05	4.15E-05	1.4E-08	4.3E-08	2.5E-08	2.3E-08	1.0E-08	5.2E-11	1.3E-09	6.5E-10	5.9E-10	1.8E-10	2.7E-09
501	642280.09	4290682.63	642280.09, 429(	1.62069	1.62052	1.62069	1.67014	5.60E-08	8.96E-09	1.68E-07	3.61E-05	3.63E-05	1.3E-08	3.8E-08	2.2E-08	2.0E-08	9.1E-09	4.6E-11	1.1E-09	5.7E-10	5.2E-10	1.6E-10	2.4E-09
502	642320.09	4290682.63	642320.09, 429(	1.43589	1.43575	1.43589	1.47738	4.96E-08	7.94E-09	1.49E-07	3.19E-05	3.22E-05	1.1E-08	3.4E-08	1.9E-08	1.8E-08	8.0E-09	4.1E-11	9.8E-10	5.0E-10	4.6E-10	1.4E-10	2.1E-09
503	642360.09	4290682.63	642360.09, 429(	1.28243	1.28231	1.28243	1.31743	4.43E-08	7.09E-09	1.33E-07	2.85E-05	2.87E-05	9.9E-09	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.6E-11	8.7E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
504	642400.09	4290682.63	642400.09, 429(	1.15345	1.15335	1.15345	1.18313	3.99E-08	6.38E-09	1.20E-07	2.56E-05	2.57E-05	8.9E-09	2.7E-08	1.6E-08	1.4E-08	6.4E-09	3.2E-11	7.8E-10	4.0E-10	3.7E-10	1.1E-10	1.7E-09
505	642440.09	4290682.63	642440.09, 429(	1.04394	1.04385	1.04394	1.06922	3.61E-08	5.77E-09	1.08E-07	2.31E-05	2.33E-05	8.1E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.9E-11	7.1E-10	3.6E-10	3.3E-10	1.0E-10	1.5E-09
506	642480.09	4290682.63	642480.09, 429(	0.95009	0.95002	0.95009	0.97174	3.28E-08	5.25E-09	9.85E-08	2.10E-05	2.11E-05	7.3E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.7E-11	6.4E-10	3.3E-10	3.0E-10	9.1E-11	1.4E-09
507	642520.09	4290682.63	642520.09, 429(	0.86901	0.86894	0.86901	0.88761	3.00E-08	4.81E-09	9.01E-08	1.92E-05	1.93E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.4E-11	5.9E-10	3.0E-10	2.7E-10	8.3E-11	1.3E-09
508	642560.09	4290682.63	642560.09, 429(	0.79838	0.79832	0.79838	0.81443	2.76E-08	4.41E-09	8.28E-08	1.76E-05	1.77E-05	6.1E-09	1.9E-08	1.1E-08	9.7E-09	4.4E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
509	642600.09	4290682.63	642600.09, 429(	0.73625	0.7362	0.73625	0.75014	2.54E-08	4.07E-09	7.63E-08	1.62E-05	1.63E-05	5.7E-09	1.7E-08	9.9E-09	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.0E-11	1.1E-09
510	641920.09	4290722.63	641920.09, 429(	8.90904	8.90695	8.90904	8.84672	3.08E-07	4.93E-08	9.24E-07	1.91E-04	1.93E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.4E-10	5.9E-09	3.0E-09	2.7E-09	8.3E-10	1.3E-08
511	641960.09	4290722.63	641960.09, 429(	6.65865	6.6573	6.65865	6.64127	2.30E-07	3.68E-08	6.90E-07	1.44E-04	1.45E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.2E-10	9.5E-09
512	642000.09	4290722.63	642000.09, 429(	5.17157	5.17064	5.17157	5.18697	1.79E-07	2.86E-08	5.36E-07	1.12E-04	1.13E-04	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.9E-10	7.4E-09
513	642040.09	4290722.63	642040.09, 429(	4.1386	4.13794	4.1386	4.17641	1.43E-07	2.29E-08	4.29E-07	9.03E-05	9.09E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-10	2.8E-09	1.4E-09	1.3E-09	3.9E-10	6.0E-09
514	642080.09	4290722.63	642080.09, 429(	3.39247	3.39198	3.39247	3.44207	1.17E-07	1.88E-08	3.52E-07	7.44E-05	7.49E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	9.4E-11	2.3E-09	1.2E-09	1.1E-09	3.2E-10	4.9E-09
515	642120.09	4290722.63	642120.09, 429(	2.83586	2.83549	2.83586	2.88918	9.80E-08	1.57E-08	2.94E-07	6.25E-05	6.29E-05	2.2E-08	6.6E-08	3.8E-08	3.4E-08	1.6E-08	7.9E-11	1.9E-09	9.9E-10	8.9E-10	2.7E-10	4.1E-09
516	642160.09	4290722.63	642160.09, 429(	2.41051	2.41022	2.41051	2.46267	8.33E-08	1.33E-08	2.50E-07	5.33E-05	5.36E-05	1.9E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	6.8E-11	1.6E-09	8.4E-10	7.6E-10	2.3E-10	3.5E-09
517	642200.09	4290722.63	642200.09, 429(	2.07782	2.07758	2.07782	2.12637	7.18E-08	1.15E-08	2.15E-07	4.60E-05	4.63E-05	1.6E-08	4.8E-08	2.8E-08	2.5E-08	1.2E-08	5.8E-11	1.4E-09	7.3E-10	6.6E-10	2.0E-10	3.1E-09
518	642240.09	4290722.63	642240.09, 429(	1.81084	1.81065	1.81084	1.85474	6.26E-08	1.00E-08	1.88E-07	4.01E-05	4.04E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	5.1E-11	1.2E-09	6.3E-10	5.7E-10	1.7E-10	2.7E-09
519	642280.09	4290722.63	642280.09, 429(	1.59407	1.59391	1.59407	1.63319	5.51E-08	8.81E-09	1.65E-07	3.53E-05	3.55E-05	1.2E-08	3.7E-08	2.2E-08	1.9E-08	8.9E-09	4.5E-11	1.1E-09	5.6E-10	5.1E-10	1.5E-10	2.3E-09
520	642320.09	4290722.63	642320.09, 429(	1.41559	1.41546	1.41559	1.45018	4.89E-08	7.83E-09	1.47E-07	3.14E-05	3.16E-05	1.1E-08	3.3E-08	1.9E-08	1.7E-08	7.9E-09	4.0E-11	9.6E-10	4.9E-10	4.5E-10	1.4E-10	2.1E-09
521	642360.09	4290722.63	642360.09, 429(	1.26671	1.26661	1.26671	1.29718	4.38E-08	7.00E-09	1.31E-07	2.80E-05	2.82E-05	9.8E-09	3.0E-08	1.7E-08	1.5E-08	7.1E-09	3.6E-11	8.6E-10	4.4E-10	4.0E-10	1.2E-10	1.9E-09
522	642400.09	4290722.63	642400.09, 429(	1.14114	1.14105	1.14114	1.16794	3.94E-08	6.31E-09	1.18E-07	2.53E-05	2.54E-05	8.8E-09	2.7E-08	1.5E-08	1.4E-08	6.4E-09	3.2E-11	7.7E-10	4.0E-10	3.6E-10	1.1E-10	1.7E-09
523	642440.09	4290722.63	642440.09, 429(	1.03421	1.03413	1.03421	1.05777	3.57E-08	5.72E-09	1.07E-07	2.29E-05	2.30E-05	8.0E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.9E-11	7.0E-10	3.6E-10	3.3E-10	9.9E-11	1.5E-09
524	642480.09	4290722.63	642480.09, 429(	0.94232	0.94225	0.94232	0.96305	3.26E-08	5.21E-09	9.77E-08	2.08E-05	2.10E-05	7.3E-09	2.2E-08	1.3E-08	1.1E-08	5.2E-09	2.6E-11	6.4E-10	3.3E-10	3.0E-10	9.0E-11	1.4E-09
525	642520.09	4290722.63	642520.09, 429(	0.86272	0.86266	0.86272	0.88098	2.98E-08	4.77E-09	8.95E-08	1.90E-05	1.92E-05	6.6E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.3E-11	1.3E-09

526	642560.09	4290722.63	642560.09, 429(	0.79327	0.79322	0.79327	0.80937	2.74E-08	4.39E-09	8.23E-08	1.75E-05	1.76E-05	6.1E-09	1.8E-08	1.1E-08	9.7E-09	4.4E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
527	642600.09	4290722.63	642600.09, 429(	0.73213	0.73208	0.73213	0.74635	2.53E-08	4.05E-09	7.59E-08	1.61E-05	1.62E-05	5.6E-09	1.7E-08	9.8E-09	8.9E-09	4.1E-09	2.0E-11	4.9E-10	2.5E-10	2.3E-10	7.0E-11	1.1E-09
528	641920.09	4290762.63	641920.09, 429(	7.94488	7.94316	7.94488	7.81866	2.75E-07	4.39E-08	8.24E-07	1.69E-04	1.70E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.3E-08	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
529	641960.09	4290762.63	641960.09, 429(	6.06155	6.06042	6.06155	5.98912	2.10E-07	3.35E-08	6.29E-07	1.30E-04	1.30E-04	4.5E-08	1.4E-07	7.9E-08	7.2E-08	3.3E-08	1.6E-10	4.0E-09	2.0E-09	1.9E-09	5.6E-10	8.6E-09
530	642000.09	4290762.63	642000.09, 429(	4.78742	4.78663	4.78742	4.74412	1.65E-07	2.65E-08	4.96E-07	1.03E-04	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.7E-08	2.6E-08	1.3E-10	3.1E-09	1.6E-09	1.5E-09	4.4E-10	6.8E-09
531	642040.09	4290762.63	642040.09, 429(	3.88443	3.88385	3.88443	3.86148	1.34E-07	2.15E-08	4.03E-07	8.35E-05	8.41E-05	2.9E-08	8.8E-08	5.1E-08	4.6E-08	2.1E-08	1.1E-10	2.6E-09	1.3E-09	1.2E-09	3.6E-10	5.5E-09
532	642080.09	4290762.63	642080.09, 429(	3.21889	3.21846	3.21889	3.21319	1.11E-07	1.78E-08	3.34E-07	6.95E-05	6.99E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.8E-08	8.8E-11	2.1E-09	1.1E-09	9.9E-10	3.0E-10	4.6E-09
533	642120.09	4290762.63	642120.09, 429(	2.71406	2.71372	2.71406	2.72176	9.38E-08	1.50E-08	2.81E-07	5.89E-05	5.92E-05	2.1E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	7.5E-11	1.8E-09	9.3E-10	8.4E-10	2.6E-10	3.9E-09
534	642160.09	4290762.63	642160.09, 429(	2.32292	2.32266	2.32292	2.33959	8.03E-08	1.28E-08	2.41E-07	5.06E-05	5.09E-05	1.8E-08	5.3E-08	3.1E-08	2.8E-08	1.3E-08	6.4E-11	1.6E-09	8.0E-10	7.2E-10	2.2E-10	3.4E-09
535	642200.09	4290762.63	642200.09, 429(	2.01323	2.01301	2.01323	2.03498	6.96E-08	1.11E-08	2.09E-07	4.40E-05	4.43E-05	1.5E-08	4.6E-08	2.7E-08	2.4E-08	1.1E-08	5.6E-11	1.3E-09	6.9E-10	6.3E-10	1.9E-10	2.9E-09
536	642240.09	4290762.63	642240.09, 429(	1.76256	1.76238	1.76256	1.78659	6.09E-08	9.75E-09	1.83E-07	3.86E-05	3.89E-05	1.3E-08	4.1E-08	2.4E-08	2.1E-08	9.7E-09	4.9E-11	1.2E-09	6.1E-10	5.5E-10	1.7E-10	2.6E-09
537	642280.09	4290762.63	642280.09, 429(	1.55746	1.55732	1.55746	1.58192	5.38E-08	8.61E-09	1.61E-07	3.42E-05	3.44E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.6E-09	4.3E-11	1.0E-09	5.4E-10	4.9E-10	1.5E-10	2.3E-09
538	642320.09	4290762.63	642320.09, 429(	1.38747	1.38734	1.38747	1.41125	4.80E-08	7.67E-09	1.44E-07	3.05E-05	3.07E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.7E-09	3.9E-11	9.4E-10	4.8E-10	4.4E-10	1.3E-10	2.0E-09
539	642360.09	4290762.63	642360.09, 429(	1.24484	1.24474	1.24484	1.26736	4.30E-08	6.88E-09	1.29E-07	2.74E-05	2.76E-05	9.5E-09	2.9E-08	1.7E-08	1.5E-08	6.9E-09	3.5E-11	8.4E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
540	642400.09	4290762.63	642400.09, 429(	1.12396	1.12387	1.12396	1.14492	3.88E-08	6.22E-09	1.17E-07	2.48E-05	2.49E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	3.1E-11	7.6E-10	3.9E-10	3.5E-10	1.1E-10	1.6E-09
541	642440.09	4290762.63	642440.09, 429(	1.02055	1.02048	1.02055	1.03986	3.53E-08	5.64E-09	1.06E-07	2.25E-05	2.26E-05	7.8E-09	2.4E-08	1.4E-08	1.2E-08	5.7E-09	2.9E-11	6.9E-10	3.5E-10	3.2E-10	9.7E-11	1.5E-09
542	642480.09	4290762.63	642480.09, 429(	0.93134	0.93128	0.93134	0.949	3.22E-08	5.15E-09	9.66E-08	2.05E-05	2.07E-05	7.1E-09	2.2E-08	1.2E-08	1.1E-08	5.2E-09	2.6E-11	6.3E-10	3.2E-10	2.9E-10	8.9E-11	1.4E-09
543	642520.09	4290762.63	642520.09, 429(	0.85386	0.8538	0.85386	0.86993	2.95E-08	4.72E-09	8.85E-08	1.88E-05	1.89E-05	6.6E-09	2.0E-08	1.1E-08	1.0E-08	4.7E-09	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.2E-11	1.2E-09
544	642560.09	4290762.63	642560.09, 429(	0.78606	0.78601	0.78606	0.80064	2.72E-08	4.35E-09	8.15E-08	1.73E-05	1.74E-05	6.0E-09	1.8E-08	1.1E-08	9.6E-09	4.4E-09	2.2E-11	5.3E-10	2.7E-10	2.5E-10	7.5E-11	1.1E-09
545	642600.09	4290762.63	642600.09, 429(	0.72628	0.72624	0.72628	0.73949	2.51E-08	4.02E-09	7.53E-08	1.60E-05	1.61E-05	5.6E-09	1.7E-08	9.7E-09	8.8E-09	4.0E-09	2.0E-11	4.9E-10	2.5E-10	2.3E-10	6.9E-11	1.1E-09
546	641920.09	4290802.63	641920.09, 429(	7.09017	7.08876	7.09017	6.93636	2.45E-07	3.92E-08	7.35E-07	1.50E-04	1.51E-04	5.2E-08	1.6E-07	9.1E-08	8.3E-08	3.8E-08	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	1.0E-08
547	641960.09	4290802.63	641960.09, 429(	5.5066	5.50564	5.5066	5.41597	1.90E-07	3.04E-08	5.71E-07	1.17E-04	1.18E-04	4.1E-08	1.2E-07	7.1E-08	6.5E-08	3.0E-08	1.5E-10	3.6E-09	1.8E-09	1.7E-09	5.1E-10	7.8E-09
548	642000.09	4290802.63	642000.09, 429(	4.40993	4.40925	4.40993	4.35179	1.52E-07	2.44E-08	4.57E-07	9.41E-05	9.47E-05	3.3E-08	9.9E-08	5.7E-08	5.2E-08	2.4E-08	1.2E-10	2.9E-09	1.5E-09	1.3E-09	4.1E-10	6.2E-09
549	642040.09	4290802.63	642040.09, 429(	3.61842	3.61791	3.61842	3.57734	1.25E-07	2.00E-08	3.75E-07	7.74E-05	7.79E-05	2.7E-08	8.1E-08	4.7E-08	4.3E-08	1.9E-08	9.8E-11	2.4E-09	1.2E-09	1.1E-09	3.4E-10	5.1E-09
550	642080.09	4290802.63	642080.09, 429(	3.02805	3.02766	3.02805	2.99851	1.05E-07	1.67E-08	3.14E-07	6.48E-05	6.53E-05	2.3E-08	6.8E-08	3.9E-08	3.6E-08	1.6E-08	8.2E-11	2.0E-09	1.0E-09	9.3E-10	2.8E-10	4.3E-09
551	642120.09	4290802.63	642120.09, 429(	2.5748	2.5745	2.5748	2.55561	8.90E-08	1.42E-08	2.67E-07	5.53E-05	5.56E-05	1.9E-08	5.8E-08	3.4E-08	3.1E-08	1.4E-08	7.0E-11	1.7E-09	8.7E-10	7.9E-10	2.4E-10	3.7E-09
552	642160.09	4290802.63	642160.09, 429(	2.21972	2.21948	2.21972	2.21014	7.67E-08	1.23E-08	2.30E-07	4.78E-05	4.81E-05	1.7E-08	5.0E-08	2.9E-08	2.6E-08	1.2E-08	6.1E-11	1.5E-09	7.5E-10	6.8E-10	2.1E-10	3.2E-09
553	642200.09	4290802.63	642200.09, 429(	1.93533	1.93513	1.93533	1.93382	6.69E-08	1.07E-08	2.01E-07	4.18E-05	4.21E-05	1.5E-08	4.4E-08	2.5E-08	2.3E-08	1.1E-08	5.3E-11	1.3E-09	6.6E-10	6.0E-10	1.8E-10	2.8E-09
554	642240.09	4290802.63	642240.09, 429(	1.70315	1.70299	1.70315	1.70775	5.89E-08	9.42E-09	1.77E-07	3.69E-05	3.72E-05	1.3E-08	3.9E-08	2.2E-08	2.0E-08	9.3E-09	4.7E-11	1.1E-09	5.8E-10	5.3E-10	1.6E-10	2.5E-09
555	642280.09	4290802.63	642280.09, 429(	1.51159	1.51146	1.51159	1.52037	5.22E-08	8.36E-09	1.57E-07	3.29E-05	3.31E-05	1.1E-08	3.5E-08	2.0E-08	1.8E-08	8.3E-09	4.2E-11	1.0E-09	5.2E-10	4.7E-10	1.4E-10	2.2E-09
556	642320.09	4290802.63	642320.09, 429(	1.35165	1.35153	1.35165	1.36304	4.67E-08	7.47E-09	1.40E-07	2.95E-05	2.97E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.7E-11	9.0E-10	4.7E-10	4.2E-10	1.3E-10	2.0E-09
557	642360.09	4290802.63	642360.09, 429(	1.21658	1.21649	1.21658	1.22941	4.20E-08	6.73E-09	1.26E-07	2.66E-05	2.68E-05	9.3E-09	2.8E-08	1.6E-08	1.5E-08	6.7E-09	3.4E-11	8.2E-10	4.2E-10	3.8E-10	1.2E-10	1.8E-09
558	642400.09	4290802.63	642400.09, 429(	1.10147	1.10138	1.10147	1.11488	3.81E-08	6.09E-09	1.14E-07	2.41E-05	2.43E-05	8.4E-09	2.5E-08	1.5E-08	1.3E-08	6.1E-09	3.1E-11	7.4E-10	3.8E-10	3.4E-10	1.0E-10	1.6E-09
559	642440.09	4290802.63	642440.09, 429(	1.00249	1.00242	1.00249	1.01593	3.46E-08	5.54E-09	1.04E-07	2.20E-05	2.21E-05	7.7E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.8E-11	6.7E-10	3.5E-10	3.1E-10	9.5E-11	1.5E-09
560	642480.09	4290802.63	642480.09, 429(	0.91676	0.9167	0.91676	0.92986	3.17E-08	5.07E-09	9.51E-08	2.01E-05	2.02E-05	7.0E-09	2.1E-08	1.2E-08	1.1E-08	5.1E-09	2.6E-11	6.2E-10	3.2E-10	2.9E-10	8.7E-11	1.3E-09
561	642520.09	4290802.63	642520.09, 429(	0.84199	0.84193	0.84199	0.85453	2.91E-08	4.66E-09	8.73E-08	1.85E-05	1.86E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.7E-09	2.3E-11	5.7E-10	2.9E-10	2.6E-10	8.0E-11	1.2E-09
562	642560.09	4290802.63	642560.09, 429(	0.77633	0.77628	0.77633	0.7882	2.68E-08	4.29E-09	8.05E-08	1.70E-05	1.72E-05	5.9E-09	1.8E-08	1.0E-08	9.4E-09	4.3E-09	2.2E-11	5.2E-10	2.7E-10	2.4E-10	7.4E-11	1.1E-09
563	642600.09	4290802.63	642600.09, 429(	0.71828	0.71824	0.71828	0.72942	2.48E-08	3.97E-09	7.45E-08	1.58E-05	1.59E-05	5.5E-09	1.7E-08	9.6E-09	8.7E-09	4.0E-09	2.0E-11	4.8E-10	2.5E-10	2.3E-10	6.8E-11	1.0E-09
564	641920.09	4290842.63	641920.09, 429(	6.3532	6.35203	6.3532	6.18313	2.20E-07	3.51E-08	6.59E-07	1.34E-04	1.35E-04	4.7E-08	1.4E-07	8.1E-08	7.4E-08	3.4E-08	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
565	641960.09	4290842.63	641960.09, 429(	5.01605	5.01523	5.01605	4.91377	1.73E-07	2.77E-08	5.20E-07	1.06E-04	1.07E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.3E-10	3.3E-09	1.7E-09	1.5E-09	4.6E-10	7.1E-09
566	642000.09	4290842.63	642000.09, 429(	4.0655	4.06491	4.0655	4.00115	1.41E-07	2.25E-08	4.22E-07	8.65E-05	8.71E-05	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.1E-10	2.7E-09	1.4E-09	1.2E-09	3.8E-10	5.7E-09
567	642040.09	4290842.63	642040.09, 429(	3.36907	3.36863	3.36907	3.32453	1.16E-07	1.86E-08	3.49E-07	7.19E-05	7.24E-05	2.5E-08	7.6E-08	4.4E-08	4.0E-08	1.8E-08	9.1E-11	2.2E-09	1.1E-09	1.0E-09	3.1E-10	4.8E-09
568	642080.09	4290842.63	642080.09, 429(	2.84165	2.84131	2.84165	2.80719	9.82E-08	1.57E-08	2.95E-07	6.07E-05	6.11E-05	2.1E-08	6.4E-08	3.7E-08	3.4E-08	1.5E-08	7.7E-11	1.9E-09	9.6E-10	8.7E-10	2.6E-10	4.0E-09
569	642120.09	4290842.63	642120.09, 429(	2.43215	2.43188	2.43215	2.40415	8.41E-08	1.34E-08	2.52E-07	5.20E-05	5.23E-05	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.6E-11	1.6E-09	8.2E-10	7.4E-10	2.3E-10	3.5E-09
570	642160.09	4290842.63	642160.09, 429(	2.11017	2.10995	2.11017	2.08802	7.29E-08	1.17E-08	2.19E-07	4.51E-05	4.55E-05	1.6E-08	4.8E-08	2.8E-08	2.5E-08	1.1E-08	5.7E-11	1.4E-09	7.1E-10	6.5E-10	2.0E-10	3.0E-09
571	642200.09	4290842.63	642200.09, 429(	1.85016	1.84998	1.85016	1.83415	6.39E-08	1.02E-08	1.92E-07	3.97E-05	3.99E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	5.0E-11	1.2E-09	6.3E-10	5.7E-10	1.7E-10	2.6E-09
572	642240.09	4290842.63	642240.09, 429(	1.63644	1.63629	1.63644	1.62644	5.66E-08	9.05E-09	1.70E-07	3.52E-05	3.54E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.9E-09	4.5E-11	1.1E-09	5.6E-10	5.0E-10	1.5E-10	2.3E-09
573	642280.09	4290842.63	642280.09, 429(	1.45891	1.45879	1.45891	1.45424	5.04E-08	8.07E-09	1.51E-07	3.14E-05	3.17E-05	1.1E-08	3.3E-08	1.9E-08	1.7E-08	7.9E-09	4.0E-11	9.6E-10	5.0E-10	4.5E-10	1.4E-10	2.1E-09
574	642320.09	4290842.63	642320.09, 429(	1.30969	1.30958	1.30969	1.30933	4.53E-08	7.24E-09	1.36E-07	2.83E-05	2.85E-05	9.9E-09	3.0E-08	1.7E-08	1.6E-08	7.1E-09	3.6E-11	8.7E-10	4.5E-10	4.1E-10	1.2E-10	1.9E-09
575	642360.09	4290842.63	642360.09, 429(	1.18293	1.18284	1.18293	1.18584	4.09E-08	6.54E-09	1.23E-07	2.56E-05	2.58E-05	8.9E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.3E-11	7.9E-10	4.0E-10	3.7E-10	1.1E-10	1.7E-09
576	642400.09	4290842.63	642400.09, 429(	1.07428	1.0742	1.07428	1.07951	3.71E-08	5.94E-09	1.11E-07	2.33E-05	2.35E-05	8.1E-09	2.5E-08	1.4E-08	1.3E-08	5.9E-09	3.0E-11	7.2E-10	3.7E-10	3.3E-10	1.0E-10	1.5E-09
577	642440.09	4290842.63	642440.09, 429(	0.98039	0.98032	0.98039	0.98716	3.39E-08	5.42E-09	1.02E-07	2.13E-05	2.15E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.4E-09	2.7E-11	6.5E-10	3.4E-10	3.1E-10	9.3E-11	1.4E-09
578	642480.09	4290842.63	642480.09, 429(	0.89868	0.89862	0.89868	0.90638	3.11E-08	4.97E-09	9.32E-08	1.96E-05	1.97E-05	6.8E-09	2.1E-08	1.2E-08	1.1E-08	4.9E-09	2.5E-11	6.0E-10	3.1E-10	2.8E-10	8.5E-11	1.3E-09
579	642520.09	4290842.63	642520.09, 429(	0.8271	0.82705	0.8271	0.8353	2.86E-08	4.57E-09	8.58E-08	1.81E-05	1.82E-05	6.3E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.3E-11	5.5E-10	2.9E-10	2.6E-10	7.8E-11	1.2E-09
580	642560.09	4290842.63	642560.09, 429(	0.76398	0.76394	0.76398	0.77235	2.64E-08	4.22E-09	7.92E-08	1.67E-05	1.68E-05	5.8E-09	1.8E-08	1.0E-08	9.2E-09	4.2E-09	2.1E-11	5.1E-10	2.6E-10	2.4E-10	7.2E-11	1.1E-09
581	642600.09	4290842.63	642600.09, 429(	0.70809	0.70805	0.70809	0.71641	2.45E-08	3.92E-09	7.34E-08	1.55E-05	1.56E-05	5.4E-09	1.6E-08	9.4E-09	8.6E-09	3.9E-09	2.0E-11	4.7E-10	2.4E-10	2.2E-10	6.7E-11	1.0E-09
582	641920.09	4290882.63	641920.09, 429(	5.69839	5.69742	5.69839	5.52706	1.97E-07	3.15E-08	5.91E-07	1.20E-04	1.20E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.2E-10	7.9E-09
583	641960.09	4290882.63	641960.09, 429(	4.57402	4.57332	4.57402	4.46553	1.58E-07	2.53E-08	4.74E-07	9.66E-05	9.72E-05	3.4E-08	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.2E-10	3.0E-09	1.5E-09	1.4E-09	4.2E-10	6.4E-09
584	642000.09	4290882.63	642000.09, 429(	3.75504	3.75452	3.75504	3.68395	1.30E-07	2.08E-08	3.89E-07	7.97E-05	8.02E-05	2.8E-08	8.4E-08	4.9E-08	4.4E-08	2.0E-08	1.0E-10	2.4E-09	1.3E-09	1.1E-09	3.5E-10	5.3E-09
585	642040.09	4290882.63	642040.09, 429(	3.14044	3.14005	3.14044	3.09328	1.09E-07	1.74E-08	3.26E-07	6.69E-05	6.73E-05	2.3E-08	7.0E-08	4.1E-08	3.7E-08	1.7E-08	8.5E-11	2.1E-09	1.1E-09	9.6E-10	2.9E-10	4.4E-09
586	642080.09	4290882.63	642080.09, 429(	2.66925	2.66894	2.66925	2.63478	9.23E-08	1.48E-08	2.77E-07	5.70E-05	5.74E-05	2.0E-08	6.0E-08	3.5E-08	3.1E-08	1.4E-08	7.2E-11	1.7E-09	9.0E-10	8.2E-10	2.5E-10	3.8E-09
587	642120.09	4290882.63	642120.09, 429(	2.30054	2.30029	2.30054	2.27202	7.95E-08	1.27E-08	2.39E-07	4.91E-05	4.95E-05	1.7E-08	5.2E-08	3.0E-08	2.7E-08	1.2E-08	6.2E-11	1.5E-09	7.8E-10	7.0E-10	2.1E-10	3.3E-09
588	642160.09	4290882.63	642160.09, 429(	2.0032	2.003	2.0032	1.97852	6.92E-08	1.11E-08	2.08E-07	4.28E-05	4.31E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.4E-11	1.3E-09	6.8E-10	6.1E-10	1.9E-10	2.8E-09
589	642200.09	4290882.63	642200.09, 429(	1.76414	1.76398	1.76414	1.74275	6.10E-08	9.75E-09	1.83E-07	3.77E-05	3.79E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.5E-09	4.8E-11	1.2E-09	5.9E-10	5.4E-10	1.6E-10	2.5E-09
590	642240.09	4290882.63	642240.09, 429(	1.56707	1.56694	1.56707	1.54947	5.42E-08	8.67E-09	1.62E-07	3.35E-05	3.37E-05	1.2E-08	3.5E-08	2.0E-08	1.9E-08	8.4E-09	4.3E-11	1.0E-09	5.3E-10	4.8E-10	1.5E-10	2.2E-09
591	642280.09	4290882.63	642280.09, 429(	1.4027	1.40258	1.4027	1.38925	4.85E-08	7.76E-09	1.45E-07	3.00E-05	3.02E-05	1.0E-08	3.2E-08	1.8E-08	1.7E-08	7.6E-09	3.8E-11	9.2E-10	4.7E-10	4.3E-10	1.3E-10	2.0E-09
592	642320.09	4290882.63	642320.09, 429(	1.26391	1.26382	1.26391	1.25459	4.37E-08	6.99E-09	1.31E-07	2.71E-05	2.73E-05	9.5E-09	2.9E-08	1.7E-08	1.5E-08	6.8E-09	3.4E-11	8.3E-10	4.3E-10	3.9E-10	1.2E-10	1.8E-09
593	642360.09	4290882.63	642360.09, 429(	1.14548	1.1454	1.14548	1.13991	3.96E-08	6.33E-09	1.19E-07	2.46E-05	2.48E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	3.1E-11	7.6E-10	3.9E-10	3.5E-10	1.1E-10	1.6E-09
594	642400.09	4290882.63	642400.09, 429(	1.04353	1.04346	1.04353	1.04112	3.61E-08	5.77E-09	1.08E-07	2.25E-05	2.27E-05	7.8E-09	2.4E-08	1.4E-08	1.2E-08	5.7E-09	2.9E-11	6.9E-10	3.6E-10	3.2E-10	9.8E-11	1.5E-09
595	642440.09	4290882.63	642440.09, 429(	0.95502	0.95496	0.95502	0.95514	3.30E-08	5.28E-09	9.90E-08	2.07E-05	2.08E-05	7.2E-09	2.2E-08	1.3E-08	1.1E-08	5.2E-09	2.6E-11	6.3E-10	3.3E-10	3.0E-10	9.0E-11	1.4E-09
596	642480.09	4290882.63	642480.09, 429(	0.87764	0.87758	0.87764	0.87968	3.03E-08	4.85E-09	9.10E-08	1.90E-05	1.91E-05	6.6E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.4E-11	5.8E-10	3.0E-10	2.7E-10	8.2E-11	1.3E-09
597	642520.09	4290882.63	642520.09, 429(	0.80958	0.80953	0.80958	0.81301	2.80E-08	4.48E-09	8.39E-08	1.76E-05	1.77E-05	6.1E-09	1.8E-08	1.1E-08	9.7E-09	4.4E-09	2.2E-11	5.4E-10	2.8E-10	2.5E-10	7.6E-11	1.2E-09
598	642560.09	4290882.63	642560.09, 429(	0.74935	0.7493	0.74935	0.75375	2.59E-08	4.14E-09	7.77E-08	1.63E-05	1.64E-05	5.7E-09	1.7E-08	9.9E-09	9.0E-09	4.1E-09	2.1E-11	5.0E-10	2.6E-10	2.3E-10	7.1E-11	1.1E-09
599	642600.09	4290882.63	642600.09, 429(	0.69578	0.69574	0.69578	0.70081	2.40E-08	3.85E-09	7.21E-08	1.52E-05	1.53E-05	5.3E-09	1.6E-08	9.2E-09	8.4E-09	3.8E-09	1.9E-11	4.6E-10	2.4E-10	2.2E-10	6.6E-11	1.0E-09
600	641450.64	4290754.44	641450.64, 429(	6.23342	6.23479	6.23342	5.66375	2.15E-07	3.45E-08	6.46E-07	1.22E-04	1.23E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.6E-10	3.8E-09	1.9E-09	1.8E-09	5.3E-10	8.1E-09
601	641490.64	4290754.44	641490.64, 429(	8.39303	8.39522	8.39303	7.55045	2.90E-07	4.64E-08	8.70E-07	1.63E-04	1.64E-04	5.7E-08	1.7E-07	1.0E-07	9.0E-08	4.1E-08	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.1E-10	1.1E-08
602	641530.64	4290754.44	641530.64, 429(	11.98376	11.98752	11.98376	10.59006	4.14E-07	6.63E-08	1.24E-06	2.29E-04	2.31E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
603	641570.64	4290754.44	641570.64, 429(	18.16254	18.16924	18.16254	15.54421	6.28E-07	1.00E-07	1.88E-06	3.36E-04	3.39E-04	1.2E-07	3.5E-07	2.0E-07	1.9E-07	8.5E-08	4.3E-10	1.0E-08	5.3E-09	4.8E-09	1.5E-09	2.2E-08
604	641610.64	4290754.44	641610.64, 429(	28.76942	28.78097	28.76942	23.21355	9.94E-07	1.59E-07	2.98E-06	5.02E-04	5.06E-04	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	6.4E-10	1.5E-08	7.9E-09	7.2E-09	2.2E-09	3.3E-08
605	641650.64	4290754.44	641650.64, 429(	43.85558	43.87113	43.85558	32.76409	1.52E-06	2.43E-07	4.55E-06	7.08E-04	7.15E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.7E-08
606	641450.64	4290794.44	641450.64, 429(	6.4616	6.46305	6.4616	5.85015	2.23E-07	3.57E-08	6.70E-07	1.26E-04	1.27E-04	4.4E-08	1.3E-07	7.7E-08	7.0E-08	3.2E-08	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.4E-09
607	641490.64	4290794.44	641490.64, 429(	8.72214	8.72441	8.72214	7.79291	3.01E-07	4.82E-08	9.04E-07	1.69E-04	1.70E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
608	641530.64	4290794.44	641530.64, 429(	12.26082	12.26446	12.26082	10.72863	4.24E-07	6.78E-08	1.27E-06	2.32E-04	2.34E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.9E-08	2.9E-10	7.1E-09	3.7E-09	3.3E-09	1.0E-09	1.5E-08
609	641570.64	4290794.44	641570.64, 429(	17.68473	17.69037	17.68473	14.98518	6.11E-07	9.78E-08	1.83E-06	3.24E-04	3.27E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	4.1E-10	9.9E-09	5.1E-09	4.6E-09	1.4E-09	2.2E-08
610	641610.64	4290794.44	641610.64, 429(	25.13329	25.14096	25.13329	20.38307	8.69E-07	1.39E-07	2.61E-06	4.41E-04	4.44E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.6E-10	1.4E-08	7.0E-09	6.3E-09	1.9E-09	2.9E-08
611	641650.64	4290794.44	641650.64, 429(	33.00361	33.01134	33.00361	25.61105	1.14E-06	1.83E-07	3.42E-06	5.54E-04	5.59E-04	1.9E-07	5.8E-07	3.4E-07	3.1E-07	1.4E-07	7.0E-10	1.7E-08	8.8E-09	7.9E-09	2.4E-09	3.7E-08
612	641450.64	4290834.44	641450.64, 429(	6.63085	6.63231	6.63085	5.99081	2.29E-07	3.67E-08	6.88E-07	1.30E-04	1.30E-04	4.5E-08	1.4E-07	7.9E-08	7.2E-08	3.3E-08	1.6E-10	4.0E-09	2.0E-09	1.9E-09	5.6E-10	8.6E-09
613	641490.64	4290834.44	641490.64, 429(	8.82742	8.82959	8.82742	7.87011	3.05E-07	4.88E-08	9.15E-07	1.70E-04	1.71E-04	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.2E-10	5.2E-09	2.7E-09	2.4E-09	7.4E-10	1.1E-08
614	641530.64	4290834.44	641530.64, 429(	11.97552	11.97867	11.97552	10.47628	4.14E-07	6.62E-08	1.24E-06	2.27E-04	2.28E-04	7.9E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.9E-10	7.0E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
615	641570.64	4290834.44	641570.64, 429(	16.19775	16.20197	16.19775	13.79055	5.60E-07	8.96E-08	1.68E-06	2.98E-04	3.01E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.8E-10	9.2E-09	4.7E-09	4.3E-09	1.3E-09	2.0E-08
616	641610.64	4290834.44	641610.64, 429(	21.05121	21.05601	21.05121	17.34952	7.28E-07	1.16E-07	2.18E-06	3.75E-04	3.78E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	4.8E-10	1.2E-08	5.9E-09	5.4E-09	1.6E-09	2.5E-08
617	641650.64	4290834.44	641650.64, 429(	25.11969	25.12367	25.11969	20.16811	8.68E-07	1.39E-07	2.60E-06	4.36E-04	4.40E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.5E-10	1.3E-08	6.9E-09	6.3E-09	1.9E-09	2.9E-08
618	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
619	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
620	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
621	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
622	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
623	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
624	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
625	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
626	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
627	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
628	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
629	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
630	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
631	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
632	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

633	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
634	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
635	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
636	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
637	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
638	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
639	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
640	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
641	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
642	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
643	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
644	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
645	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
646	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
647	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Residential DOSEair = **(Cair*(BR/BW)*A*EF*10^{-6})**

A	1	Inhalation absorption factor[1]
EF	0.96	Exposure frequency (350/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk = **DOSEair * CPF * ASF * ED/AT * FAH**

CPF	0.12	Cancer Potency Factor for Naphthalene[4]
AT	70	Averaging Time[5]

Age	BR/BW	ASF	FAH	ED (Ops)
3rd	361	10	0.85	0.25
0<2	1090	10	0.85	2
2<9	631	3	0.72	7
9<16	572	3	0.72	7
16<30	261	1	0.73	13.75

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for Benzene, OEHHA 2015, Table 7.1, page 7-4
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Operational Concentration - Fueling (n-Hexane)

	Loading	Breathing	Fueling + Hose Permeation	Spillage
Emissions Rate (g/s):	1.41E-04	2.26E-05	4.24E-04	2.31E-04

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s				Unmitigated				
	X	Y	X, Y	Loading	Breathing	Fueling + Hose Permeation	Spillage	Loading	Breathing	Fueling + Hose Permeation	Spillage	Total
1	641284.31	4290506.68	641284.31, 429(	2.28914	2.2894	2.28914	2.24887	3.24E-04	5.18E-05	9.71E-04	5.20E-04	1.87E-03
2	641324.31	4290506.68	641324.31, 429(	2.67219	2.67251	2.67219	2.62615	3.78E-04	6.04E-05	1.13E-03	6.07E-04	2.18E-03
3	641364.31	4290506.68	641364.31, 429(	3.16658	3.167	3.16658	3.11376	4.48E-04	7.16E-05	1.34E-03	7.20E-04	2.58E-03
4	641404.31	4290506.68	641404.31, 429(	3.81615	3.81671	3.81615	3.75744	5.39E-04	8.63E-05	1.62E-03	8.69E-04	3.11E-03
5	641284.31	4290546.68	641284.31, 429(	2.37419	2.37447	2.37419	2.30269	3.36E-04	5.37E-05	1.01E-03	5.32E-04	1.93E-03
6	641324.31	4290546.68	641324.31, 429(	2.78725	2.78761	2.78725	2.6998	3.94E-04	6.30E-05	1.18E-03	6.24E-04	2.26E-03
7	641364.31	4290546.68	641364.31, 429(	3.33085	3.33132	3.33085	3.22046	4.71E-04	7.53E-05	1.41E-03	7.44E-04	2.70E-03
8	641404.31	4290546.68	641404.31, 429(	4.0608	4.06145	4.0608	3.9179	5.74E-04	9.19E-05	1.72E-03	9.06E-04	3.29E-03
9	641284.31	4290586.68	641284.31, 429(	2.44038	2.44068	2.44038	2.33928	3.45E-04	5.52E-05	1.03E-03	5.41E-04	1.98E-03
10	641324.31	4290586.68	641324.31, 429(	2.87714	2.87753	2.87714	2.74864	4.07E-04	6.51E-05	1.22E-03	6.35E-04	2.33E-03
11	641364.31	4290586.68	641364.31, 429(	3.4544	3.45492	3.4544	3.28594	4.88E-04	7.81E-05	1.46E-03	7.60E-04	2.79E-03
12	641404.31	4290586.68	641404.31, 429(	4.23507	4.23579	4.23507	4.00821	5.99E-04	9.58E-05	1.80E-03	9.26E-04	3.42E-03
13	641284.31	4290626.68	641284.31, 429(	2.49133	2.49164	2.49133	2.36987	3.52E-04	5.64E-05	1.06E-03	5.48E-04	2.01E-03
14	641324.31	4290626.68	641324.31, 429(	2.9374	2.93781	2.9374	2.78263	4.15E-04	6.64E-05	1.25E-03	6.43E-04	2.37E-03
15	641364.31	4290626.68	641364.31, 429(	3.53272	3.53327	3.53272	3.32778	4.99E-04	7.99E-05	1.50E-03	7.69E-04	2.85E-03
16	641404.31	4290626.68	641404.31, 429(	4.33498	4.33574	4.33498	4.05774	6.13E-04	9.81E-05	1.84E-03	9.38E-04	3.49E-03
17	641284.31	4290666.68	641284.31, 429(	2.5318	2.53213	2.5318	2.39596	3.58E-04	5.73E-05	1.07E-03	5.54E-04	2.04E-03
18	641324.31	4290666.68	641324.31, 429(	2.98996	2.99039	2.98996	2.81501	4.23E-04	6.76E-05	1.27E-03	6.51E-04	2.41E-03
19	641364.31	4290666.68	641364.31, 429(	3.60758	3.60815	3.60758	3.37189	5.10E-04	8.16E-05	1.53E-03	7.79E-04	2.90E-03
20	641404.31	4290666.68	641404.31, 429(	4.42784	4.42863	4.42784	4.11052	6.26E-04	1.00E-04	1.88E-03	9.50E-04	3.55E-03
21	641284.31	4290706.68	641284.31, 429(	2.56649	2.56683	2.56649	2.41563	3.63E-04	5.81E-05	1.09E-03	5.58E-04	2.07E-03
22	641324.31	4290706.68	641324.31, 429(	3.03692	3.03736	3.03692	2.8413	4.29E-04	6.87E-05	1.29E-03	6.57E-04	2.44E-03
23	641364.31	4290706.68	641364.31, 429(	3.67397	3.67455	3.67397	3.40921	5.19E-04	8.31E-05	1.56E-03	7.88E-04	2.95E-03
24	641404.31	4290706.68	641404.31, 429(	4.52911	4.52993	4.52911	4.17204	6.40E-04	1.02E-04	1.92E-03	9.64E-04	3.63E-03
25	641284.31	4290746.68	641284.31, 429(	2.60298	2.60332	2.60298	2.43528	3.68E-04	5.89E-05	1.10E-03	5.63E-04	2.09E-03
26	641324.31	4290746.68	641324.31, 429(	3.08236	3.08281	3.08236	2.86816	4.36E-04	6.97E-05	1.31E-03	6.63E-04	2.48E-03
27	641364.31	4290746.68	641364.31, 429(	3.73756	3.73816	3.73756	3.45213	5.28E-04	8.45E-05	1.59E-03	7.98E-04	3.00E-03
28	641404.31	4290746.68	641404.31, 429(	4.63986	4.64072	4.63986	4.2535	6.56E-04	1.05E-04	1.97E-03	9.83E-04	3.71E-03
29	641284.31	4290786.68	641284.31, 429(	2.64338	2.64373	2.64338	2.46181	3.74E-04	5.98E-05	1.12E-03	5.69E-04	2.12E-03
30	641324.31	4290786.68	641324.31, 429(	3.13751	3.13798	3.13751	2.9096	4.44E-04	7.10E-05	1.33E-03	6.73E-04	2.52E-03
31	641364.31	4290786.68	641364.31, 429(	3.81428	3.81491	3.81428	3.51655	5.39E-04	8.63E-05	1.62E-03	8.13E-04	3.06E-03
32	641404.31	4290786.68	641404.31, 429(	4.7682	4.7691	4.7682	4.36265	6.74E-04	1.08E-04	2.02E-03	1.01E-03	3.81E-03
33	641284.31	4290826.68	641284.31, 429(	2.6908	2.69116	2.6908	2.50011	3.80E-04	6.09E-05	1.14E-03	5.78E-04	2.16E-03
34	641324.31	4290826.68	641324.31, 429(	3.20671	3.20719	3.20671	2.9688	4.53E-04	7.25E-05	1.36E-03	6.86E-04	2.57E-03
35	641364.31	4290826.68	641364.31, 429(	3.90636	3.90702	3.90636	3.59923	5.52E-04	8.84E-05	1.66E-03	8.32E-04	3.13E-03
36	641404.31	4290826.68	641404.31, 429(	4.90472	4.90565	4.90472	4.48191	6.93E-04	1.11E-04	2.08E-03	1.04E-03	3.92E-03
37	641284.31	4290866.68	641284.31, 429(	2.74392	2.74429	2.74392	2.54817	3.88E-04	6.21E-05	1.16E-03	5.89E-04	2.20E-03
38	641324.31	4290866.68	641324.31, 429(	3.28208	3.28258	3.28208	3.03603	4.64E-04	7.42E-05	1.39E-03	7.02E-04	2.63E-03
39	641364.31	4290866.68	641364.31, 429(	4.00655	4.00723	4.00655	3.68715	5.66E-04	9.06E-05	1.70E-03	8.52E-04	3.21E-03
40	641404.31	4290866.68	641404.31, 429(	5.02308	5.02404	5.02308	4.58414	7.10E-04	1.14E-04	2.13E-03	1.06E-03	4.01E-03
41	641268.28	4290889.76	641268.28, 429(	2.59465	2.59499	2.59465	2.41318	3.67E-04	5.87E-05	1.10E-03	5.58E-04	2.08E-03
42	641308.28	4290889.76	641308.28, 429(	3.08807	3.08852	3.08807	2.85972	4.37E-04	6.99E-05	1.31E-03	6.61E-04	2.48E-03
43	641348.28	4290889.76	641348.28, 429(	3.73698	3.73759	3.73698	3.44498	5.28E-04	8.45E-05	1.58E-03	7.96E-04	2.99E-03
44	641388.28	4290889.76	641388.28, 429(	4.62282	4.62365	4.62282	4.23368	6.53E-04	1.05E-04	1.96E-03	9.79E-04	3.70E-03
45	641428.28	4290889.76	641428.28, 429(	5.83259	5.83374	5.83259	5.29918	8.24E-04	1.32E-04	2.47E-03	1.22E-03	4.65E-03
46	641468.28	4290889.76	641468.28, 429(	7.45425	7.45582	7.45425	6.71314	1.05E-03	1.69E-04	3.16E-03	1.55E-03	5.94E-03
47	641508.28	4290889.76	641508.28, 429(	9.5641	9.56614	9.5641	8.50921	1.35E-03	2.16E-04	4.06E-03	1.97E-03	7.59E-03
48	641548.28	4290889.76	641548.28, 429(	12.10557	12.10804	12.10557	10.588	1.71E-03	2.74E-04	5.13E-03	2.45E-03	9.57E-03
49	641588.28	4290889.76	641588.28, 429(	14.78987	14.79248	14.78987	12.6611	2.09E-03	3.35E-04	6.27E-03	2.93E-03	1.16E-02
50	641628.28	4290889.76	641628.28, 429(	17.04372	17.04593	17.04372	14.29707	2.41E-03	3.86E-04	7.23E-03	3.30E-03	1.33E-02
51	642188.28	4290889.76	642188.28, 429(	1.8141	1.81393	1.8141	1.79156	2.56E-04	4.10E-05	7.69E-04	4.14E-04	1.48E-03
52	642228.28	4290889.76	642228.28, 429(	1.60832	1.60819	1.60832	1.589	2.27E-04	3.64E-05	6.82E-04	3.67E-04	1.31E-03
53	642268.28	4290889.76	642268.28, 429(	1.43746	1.43734	1.43746	1.42185	2.03E-04	3.25E-05	6.10E-04	3.29E-04	1.17E-03
54	642308.28	4290889.76	642308.28, 429(	1.29357	1.29347	1.29357	1.28191	1.83E-04	2.93E-05	5.49E-04	2.96E-04	1.06E-03
55	642348.28	4290889.76	642348.28, 429(	1.17114	1.17105	1.17114	1.16327	1.66E-04	2.65E-05	4.97E-04	2.69E-04	9.58E-04
56	642388.28	4290889.76	642388.28, 429(	1.06597	1.06589	1.06597	1.06146	1.51E-04	2.41E-05	4.52E-04	2.45E-04	8.72E-04
57	642428.28	4290889.76	642428.28, 429(	0.97484	0.97477	0.97484	0.97313	1.38E-04	2.20E-05	4.13E-04	2.25E-04	7.98E-04
58	641268.28	4290929.76	641268.28, 429(	2.64585	2.6462	2.64585	2.46002	3.74E-04	5.99E-05	1.12E-03	5.69E-04	2.12E-03
59	641308.28	4290929.76	641308.28, 429(	3.15136	3.15182	3.15136	2.9161	4.45E-04	7.13E-05	1.34E-03	6.74E-04	2.53E-03
60	641348.28	4290929.76	641348.28, 429(	3.80527	3.80588	3.80527	3.50607	5.38E-04	8.61E-05	1.61E-03	8.10E-04	3.05E-03

61	641388.28	4290929.76	641388.28, 429(	4.66994	4.67075	4.66994	4.28051	6.60E-04	1.06E-04	1.98E-03	9.89E-04	3.74E-03
62	641428.28	4290929.76	641428.28, 429(	5.79894	5.8	5.79894	5.28453	8.20E-04	1.31E-04	2.46E-03	1.22E-03	4.63E-03
63	641468.28	4290929.76	641468.28, 429(	7.2232	7.22456	7.2232	6.53805	1.02E-03	1.63E-04	3.06E-03	1.51E-03	5.76E-03
64	641508.28	4290929.76	641508.28, 429(	8.93237	8.93401	8.93237	8.00344	1.26E-03	2.02E-04	3.79E-03	1.85E-03	7.10E-03
65	641548.28	4290929.76	641548.28, 429(	10.80265	10.80445	10.80265	9.53881	1.53E-03	2.44E-04	4.58E-03	2.20E-03	8.56E-03
66	641588.28	4290929.76	641588.28, 429(	12.57157	12.5733	12.57157	10.9114	1.78E-03	2.84E-04	5.33E-03	2.52E-03	9.91E-03
67	641628.28	4290929.76	641628.28, 429(	13.87408	13.8754	13.87408	11.86802	1.96E-03	3.14E-04	5.88E-03	2.74E-03	1.09E-02
68	642188.28	4290929.76	642188.28, 429(	1.72638	1.72622	1.72638	1.70506	2.44E-04	3.90E-05	7.32E-04	3.94E-04	1.41E-03
69	642228.28	4290929.76	642228.28, 429(	1.53536	1.53523	1.53536	1.5157	2.17E-04	3.47E-05	6.51E-04	3.50E-04	1.25E-03
70	642268.28	4290929.76	642268.28, 429(	1.37694	1.37683	1.37694	1.35907	1.95E-04	3.11E-05	5.84E-04	3.14E-04	1.12E-03
71	642308.28	4290929.76	642308.28, 429(	1.24301	1.24292	1.24301	1.22746	1.76E-04	2.81E-05	5.27E-04	2.84E-04	1.01E-03
72	642348.28	4290929.76	642348.28, 429(	1.12868	1.1286	1.12868	1.11586	1.60E-04	2.55E-05	4.79E-04	2.58E-04	9.22E-04
73	642388.28	4290929.76	642388.28, 429(	1.03034	1.03027	1.03034	1.02039	1.46E-04	2.33E-05	4.37E-04	2.36E-04	8.42E-04
74	642428.28	4290929.76	642428.28, 429(	0.94505	0.94499	0.94505	0.93786	1.34E-04	2.14E-05	4.01E-04	2.17E-04	7.73E-04
75	641268.28	4290969.76	641268.28, 429(	2.69306	2.69342	2.69306	2.5027	3.81E-04	6.09E-05	1.14E-03	5.78E-04	2.16E-03
76	641308.28	4290969.76	641308.28, 429(	3.19864	3.1991	3.19864	2.96024	4.52E-04	7.24E-05	1.36E-03	6.84E-04	2.57E-03
77	641348.28	4290969.76	641348.28, 429(	3.84004	3.84064	3.84004	3.54223	5.43E-04	8.69E-05	1.63E-03	8.19E-04	3.08E-03
78	641388.28	4290969.76	641388.28, 429(	4.65507	4.65583	4.65507	4.28044	6.58E-04	1.05E-04	1.97E-03	9.89E-04	3.73E-03
79	641428.28	4290969.76	641428.28, 429(	5.66695	5.6679	5.66695	5.19114	8.01E-04	1.28E-04	2.40E-03	1.20E-03	4.53E-03
80	641468.28	4290969.76	641468.28, 429(	6.86794	6.86908	6.86794	6.25679	9.71E-04	1.55E-04	2.91E-03	1.45E-03	5.48E-03
81	641508.28	4290969.76	641508.28, 429(	8.2055	8.20678	8.2055	7.40735	1.16E-03	1.86E-04	3.48E-03	1.71E-03	6.54E-03
82	641548.28	4290969.76	641548.28, 429(	9.55044	9.55174	9.55044	8.51132	1.35E-03	2.16E-04	4.05E-03	1.97E-03	7.58E-03
83	641588.28	4290969.76	641588.28, 429(	10.70898	10.71013	10.70898	9.40958	1.51E-03	2.42E-04	4.54E-03	2.17E-03	8.47E-03
84	641628.28	4290969.76	641628.28, 429(	11.45991	11.46073	11.45991	9.96399	1.62E-03	2.59E-04	4.86E-03	2.30E-03	9.04E-03
85	641668.28	4290969.76	641668.28, 429(	11.62213	11.62246	11.62213	10.08546	1.64E-03	2.63E-04	4.93E-03	2.33E-03	9.17E-03
86	641708.28	4290969.76	641708.28, 429(	11.11782	11.11759	11.11782	9.73205	1.57E-03	2.51E-04	4.71E-03	2.25E-03	8.79E-03
87	641748.28	4290969.76	641748.28, 429(	10.0351	10.03442	10.0351	8.94013	1.42E-03	2.27E-04	4.26E-03	2.07E-03	7.97E-03
88	641788.28	4290969.76	641788.28, 429(	8.62011	8.61919	8.62011	7.86025	1.22E-03	1.95E-04	3.66E-03	1.82E-03	6.89E-03
89	641828.28	4290969.76	641828.28, 429(	7.16553	7.16459	7.16553	6.6929	1.01E-03	1.62E-04	3.04E-03	1.55E-03	5.76E-03
90	641868.28	4290969.76	641868.28, 429(	5.87668	5.87586	5.87668	5.59229	8.31E-04	1.33E-04	2.49E-03	1.29E-03	4.75E-03
91	641908.28	4290969.76	641908.28, 429(	4.8181	4.81742	4.8181	4.63892	6.81E-04	1.09E-04	2.04E-03	1.07E-03	3.91E-03
92	641948.28	4290969.76	641948.28, 429(	3.98329	3.98276	3.98329	3.86069	5.63E-04	9.01E-05	1.69E-03	8.92E-04	3.23E-03
93	642188.28	4290969.76	642188.28, 429(	1.64462	1.64448	1.64462	1.62506	2.32E-04	3.72E-05	6.97E-04	3.76E-04	1.34E-03
94	642228.28	4290969.76	642228.28, 429(	1.4674	1.46728	1.4674	1.44957	2.07E-04	3.32E-05	6.22E-04	3.35E-04	1.20E-03
95	642268.28	4290969.76	642268.28, 429(	1.3201	1.31999	1.3201	1.30314	1.87E-04	2.99E-05	5.60E-04	3.01E-04	1.08E-03
96	642308.28	4290969.76	642308.28, 429(	1.19495	1.19486	1.19495	1.17897	1.69E-04	2.70E-05	5.07E-04	2.73E-04	9.75E-04
97	642348.28	4290969.76	642348.28, 429(	1.08742	1.08735	1.08742	1.07285	1.54E-04	2.46E-05	4.61E-04	2.48E-04	8.87E-04
98	642388.28	4290969.76	642388.28, 429(	0.9946	0.99454	0.9946	0.98186	1.41E-04	2.25E-05	4.22E-04	2.27E-04	8.12E-04
99	642428.28	4290969.76	642428.28, 429(	0.91426	0.9142	0.91426	0.9036	1.29E-04	2.07E-05	3.88E-04	2.09E-04	7.46E-04
100	641268.28	4291009.76	641268.28, 4291	2.72858	2.72894	2.72858	2.5363	3.86E-04	6.17E-05	1.16E-03	5.86E-04	2.19E-03
101	641308.28	4291009.76	641308.28, 4291	3.22289	3.22334	3.22289	2.98764	4.56E-04	7.29E-05	1.37E-03	6.91E-04	2.59E-03
102	641348.28	4291009.76	641348.28, 4291	3.83519	3.83576	3.83519	3.54851	5.42E-04	8.68E-05	1.63E-03	8.20E-04	3.08E-03
103	641388.28	4291009.76	641388.28, 4291	4.57805	4.57874	4.57805	4.23055	6.47E-04	1.04E-04	1.94E-03	9.78E-04	3.67E-03
104	641428.28	4291009.76	641428.28, 4291	5.45476	5.45558	5.45476	5.02792	7.71E-04	1.23E-04	2.31E-03	1.16E-03	4.37E-03
105	641468.28	4291009.76	641468.28, 4291	6.4371	6.43803	6.4371	5.90318	9.10E-04	1.46E-04	2.73E-03	1.36E-03	5.15E-03
106	641508.28	4291009.76	641508.28, 4291	7.46047	7.46145	7.46047	6.78207	1.05E-03	1.69E-04	3.16E-03	1.57E-03	5.95E-03
107	641548.28	4291009.76	641548.28, 4291	8.41614	8.41707	8.41614	7.56265	1.19E-03	1.90E-04	3.57E-03	1.75E-03	6.70E-03
108	641588.28	4291009.76	641588.28, 4291	9.17186	9.17264	9.17186	8.1465	1.30E-03	2.07E-04	3.89E-03	1.88E-03	7.28E-03
109	641628.28	4291009.76	641628.28, 4291	9.59993	9.60045	9.59993	8.46218	1.36E-03	2.17E-04	4.07E-03	1.96E-03	7.60E-03
110	641668.28	4291009.76	641668.28, 4291	9.60751	9.60768	9.60751	8.4665	1.36E-03	2.17E-04	4.07E-03	1.96E-03	7.61E-03
111	641708.28	4291009.76	641708.28, 4291	9.1673	9.1671	9.1673	8.14053	1.30E-03	2.07E-04	3.89E-03	1.88E-03	7.27E-03
112	641748.28	4291009.76	641748.28, 4291	8.34683	8.34632	8.34683	7.51531	1.18E-03	1.89E-04	3.54E-03	1.74E-03	6.65E-03
113	641788.28	4291009.76	641788.28, 4291	7.29983	7.29916	7.29983	6.69239	1.03E-03	1.65E-04	3.10E-03	1.55E-03	5.84E-03
114	641828.28	4291009.76	641828.28, 4291	6.20016	6.19945	6.20016	5.79822	8.76E-04	1.40E-04	2.63E-03	1.34E-03	4.99E-03
115	641868.28	4291009.76	641868.28, 4291	5.193	5.19235	5.193	4.9397	7.34E-04	1.17E-04	2.20E-03	1.14E-03	4.20E-03
116	641908.28	4291009.76	641908.28, 4291	4.33631	4.33576	4.33631	4.17244	6.13E-04	9.81E-05	1.84E-03	9.64E-04	3.51E-03
117	641948.28	4291009.76	641948.28, 4291	3.63912	3.63867	3.63912	3.52449	5.14E-04	8.23E-05	1.54E-03	8.15E-04	2.95E-03
118	642188.28	4291009.76	642188.28, 4291	1.56955	1.56942	1.56955	1.55039	2.22E-04	3.55E-05	6.66E-04	3.58E-04	1.28E-03
119	642228.28	4291009.76	642228.28, 4291	1.40547	1.40536	1.40547	1.38917	1.99E-04	3.18E-05	5.96E-04	3.21E-04	1.15E-03
120	642268.28	4291009.76	642268.28, 4291	1.26752	1.26742	1.26752	1.2524	1.79E-04	2.87E-05	5.38E-04	2.89E-04	1.03E-03
121	642308.28	4291009.76	642308.28, 4291	1.14974	1.14966	1.14974	1.13516	1.63E-04	2.60E-05	4.88E-04	2.62E-04	9.38E-04
122	642348.28	4291009.76	642348.28, 4291	1.04828	1.04821	1.04828	1.03422	1.48E-04	2.37E-05	4.45E-04	2.39E-04	8.55E-04
123	642388.28	4291009.76	642388.28, 4291	0.96069	0.96063	0.96069	0.94745	1.36E-04	2.17E-05	4.07E-04	2.19E-04	7.84E-04
124	642428.28	4291009.76	642428.28, 4291	0.88463	0.88458	0.88463	0.87257	1.25E-04	2.00E-05	3.75E-04	2.02E-04	7.22E-04
125	641268.28	4291049.76	641268.28, 4291	2.74627	2.74662	2.74627	2.55727	3.88E-04	6.21E-05	1.16E-03	5.91E-04	2.21E-03
126	641308.28	4291049.76	641308.28, 4291	3.21799	3.21842	3.21799	2.99367	4.55E-04	7.28E-05	1.36E-03	6.92E-04	2.58E-03
127	641348.28	4291049.76	641348.28, 4291	3.786	3.78652	3.786	3.52078	5.35E-04	8.56E-05	1.61E-03	8.14E-04	3.04E-03
128	641388.28	4291049.76	641388.28, 4291	4.44751	4.44812	4.44751	4.13376	6.29E-04	1.01E-04	1.89E-03	9.56E-04	3.57E-03
129	641428.28	4291049.76	641428.28, 4291	5.1865	5.18719	5.1865	4.81054	7.33E-04	1.17E-04	2.20E-03	1.11E-03	4.16E-03
130	641468.28	4291049.76	641468.28, 4291	5.9729	5.97365	5.9729	5.5106	8.44E-04	1.35E-04	2.53E-03	1.27E-03	4.79E-03
131	641508.28	4291049.76	641508.28, 4291	6.74438	6.74512	6.74438	6.16905	9.53E-04	1.53E-04	2.86E-03	1.43E-03	5.39E-03

132	641548.28	4291049.76	641548.28, 4291	7.41909	7.41977	7.41909	6.71546	1.05E-03	1.68E-04	3.15E-03	1.55E-03	5.92E-03
133	641588.28	4291049.76	641588.28, 4291	7.91107	7.91161	7.91107	7.09281	1.12E-03	1.79E-04	3.35E-03	1.64E-03	6.29E-03
134	641628.28	4291049.76	641628.28, 4291	8.14689	8.14722	8.14689	7.26509	1.15E-03	1.84E-04	3.45E-03	1.68E-03	6.47E-03
135	641668.28	4291049.76	641668.28, 4291	8.07904	8.07912	8.07904	7.21007	1.14E-03	1.83E-04	3.43E-03	1.67E-03	6.42E-03
136	641708.28	4291049.76	641708.28, 4291	7.70103	7.70085	7.70103	6.91836	1.09E-03	1.74E-04	3.27E-03	1.60E-03	6.13E-03
137	641748.28	4291049.76	641748.28, 4291	7.06249	7.06211	7.06249	6.41515	9.98E-04	1.60E-04	3.00E-03	1.48E-03	5.64E-03
138	641788.28	4291049.76	641788.28, 4291	6.26346	6.26295	6.26346	5.77165	8.85E-04	1.42E-04	2.66E-03	1.33E-03	5.02E-03
139	641828.28	4291049.76	641828.28, 4291	5.41488	5.41434	5.41488	5.07205	7.65E-04	1.22E-04	2.30E-03	1.17E-03	4.36E-03
140	641868.28	4291049.76	641868.28, 4291	4.6191	4.61858	4.6191	4.39238	6.53E-04	1.04E-04	1.96E-03	1.02E-03	3.73E-03
141	641908.28	4291049.76	641908.28, 4291	3.92011	3.91966	3.92011	3.76931	5.54E-04	8.87E-05	1.66E-03	8.71E-04	3.18E-03
142	641948.28	4291049.76	641948.28, 4291	3.33465	3.33427	3.33465	3.22758	4.71E-04	7.54E-05	1.41E-03	7.46E-04	2.71E-03
143	642188.28	4291049.76	642188.28, 4291	1.49753	1.49741	1.49753	1.47748	2.12E-04	3.39E-05	6.35E-04	3.42E-04	1.22E-03
144	642228.28	4291049.76	642228.28, 4291	1.34657	1.34647	1.34657	1.33067	1.90E-04	3.05E-05	5.71E-04	3.08E-04	1.10E-03
145	642268.28	4291049.76	642268.28, 4291	1.2176	1.21751	1.2176	1.20386	1.72E-04	2.75E-05	5.16E-04	2.78E-04	9.94E-04
146	642308.28	4291049.76	642308.28, 4291	1.10706	1.10698	1.10706	1.09421	1.56E-04	2.50E-05	4.69E-04	2.53E-04	9.04E-04
147	642348.28	4291049.76	642348.28, 4291	1.01146	1.01139	1.01146	0.99893	1.43E-04	2.29E-05	4.29E-04	2.31E-04	8.26E-04
148	642388.28	4291049.76	642388.28, 4291	0.92867	0.92861	0.92867	0.91637	1.31E-04	2.10E-05	3.94E-04	2.12E-04	7.58E-04
149	642428.28	4291049.76	642428.28, 4291	0.85655	0.8565	0.85655	0.84469	1.21E-04	1.94E-05	3.63E-04	1.95E-04	6.99E-04
150	641268.28	4291089.76	641268.28, 4291	2.74415	2.74449	2.74415	2.56385	3.88E-04	6.21E-05	1.16E-03	5.93E-04	2.21E-03
151	641308.28	4291089.76	641308.28, 4291	3.18526	3.18566	3.18526	2.97769	4.50E-04	7.21E-05	1.35E-03	6.88E-04	2.56E-03
152	641348.28	4291089.76	641348.28, 4291	3.69961	3.70008	3.69961	3.46067	5.23E-04	8.37E-05	1.57E-03	8.00E-04	2.98E-03
153	641388.28	4291089.76	641388.28, 4291	4.27442	4.27495	4.27442	3.99682	6.04E-04	9.67E-05	1.81E-03	9.24E-04	3.44E-03
154	641428.28	4291089.76	641428.28, 4291	4.88513	4.88571	4.88513	4.55666	6.91E-04	1.11E-04	2.07E-03	1.05E-03	3.93E-03
155	641468.28	4291089.76	641468.28, 4291	5.50531	5.50591	5.50531	5.10561	7.78E-04	1.25E-04	2.33E-03	1.18E-03	4.42E-03
156	641508.28	4291089.76	641508.28, 4291	6.08236	6.08292	6.08236	5.59317	8.60E-04	1.38E-04	2.58E-03	1.29E-03	4.87E-03
157	641548.28	4291089.76	641548.28, 4291	6.5568	6.55729	6.5568	5.97314	9.27E-04	1.48E-04	2.78E-03	1.38E-03	5.24E-03
158	641588.28	4291089.76	641588.28, 4291	6.87518	6.87555	6.87518	6.21493	9.72E-04	1.56E-04	2.92E-03	1.44E-03	5.48E-03
159	641628.28	4291089.76	641628.28, 4291	6.99534	6.99556	6.99534	6.30033	9.89E-04	1.58E-04	2.97E-03	1.46E-03	5.57E-03
160	641668.28	4291089.76	641668.28, 4291	6.89268	6.89272	6.89268	6.21641	9.74E-04	1.56E-04	2.92E-03	1.44E-03	5.49E-03
161	641708.28	4291089.76	641708.28, 4291	6.56909	6.56894	6.56909	5.95846	9.29E-04	1.49E-04	2.79E-03	1.38E-03	5.24E-03
162	641748.28	4291089.76	641748.28, 4291	6.06137	6.06107	6.06137	5.54686	8.57E-04	1.37E-04	2.57E-03	1.28E-03	4.85E-03
163	641788.28	4291089.76	641788.28, 4291	5.43709	5.4367	5.43709	5.03314	7.69E-04	1.23E-04	2.31E-03	1.16E-03	4.36E-03
164	641828.28	4291089.76	641828.28, 4291	4.77022	4.76979	4.77022	4.4761	6.74E-04	1.08E-04	2.02E-03	1.03E-03	3.84E-03
165	641868.28	4291089.76	641868.28, 4291	4.13223	4.13182	4.13223	3.92939	5.84E-04	9.35E-05	1.75E-03	9.08E-04	3.34E-03
166	641908.28	4291089.76	641908.28, 4291	3.55748	3.55711	3.55748	3.41884	5.03E-04	8.05E-05	1.51E-03	7.90E-04	2.88E-03
167	641948.28	4291089.76	641948.28, 4291	3.06388	3.06355	3.06388	2.96415	4.33E-04	6.93E-05	1.30E-03	6.85E-04	2.49E-03
168	641988.28	4291089.76	641988.28, 4291	2.65098	2.65071	2.65098	2.57404	3.75E-04	6.00E-05	1.12E-03	5.95E-04	2.15E-03
169	642028.28	4291089.76	642028.28, 4291	2.30662	2.3064	2.30662	2.24523	3.26E-04	5.22E-05	9.78E-04	5.19E-04	1.88E-03
170	642068.28	4291089.76	642068.28, 4291	2.02288	2.02269	2.02288	1.97392	2.86E-04	4.57E-05	8.58E-04	4.56E-04	1.65E-03
171	642108.28	4291089.76	642108.28, 4291	1.79137	1.79122	1.79137	1.75275	2.53E-04	4.05E-05	7.60E-04	4.05E-04	1.46E-03
172	642148.28	4291089.76	642148.28, 4291	1.59332	1.59319	1.59332	1.56438	2.25E-04	3.60E-05	6.76E-04	3.62E-04	1.30E-03
173	641268.28	4291129.76	641268.28, 4291	2.72137	2.72169	2.72137	2.55448	3.85E-04	6.16E-05	1.15E-03	5.90E-04	2.19E-03
174	641308.28	4291129.76	641308.28, 4291	3.12601	3.12638	3.12601	2.9389	4.42E-04	7.07E-05	1.33E-03	6.79E-04	2.52E-03
175	641348.28	4291129.76	641348.28, 4291	3.58287	3.58329	3.58287	3.37134	5.06E-04	8.10E-05	1.52E-03	7.79E-04	2.89E-03
176	641388.28	4291129.76	641388.28, 4291	4.07335	4.07381	4.07335	3.8297	5.76E-04	9.21E-05	1.73E-03	8.85E-04	3.28E-03
177	641428.28	4291129.76	641428.28, 4291	4.57051	4.57098	4.57051	4.28362	6.46E-04	1.03E-04	1.94E-03	9.90E-04	3.68E-03
178	641468.28	4291129.76	641468.28, 4291	5.05377	5.05424	5.05377	4.70726	7.14E-04	1.14E-04	2.14E-03	1.09E-03	4.06E-03
179	641508.28	4291129.76	641508.28, 4291	5.48275	5.48318	5.48275	5.06511	7.75E-04	1.24E-04	2.33E-03	1.17E-03	4.39E-03
180	641548.28	4291129.76	641548.28, 4291	5.81578	5.81614	5.81578	5.32842	8.22E-04	1.32E-04	2.47E-03	1.23E-03	4.65E-03
181	641588.28	4291129.76	641588.28, 4291	6.01926	6.01952	6.01926	5.48092	8.51E-04	1.36E-04	2.55E-03	1.27E-03	4.81E-03
182	641628.28	4291129.76	641628.28, 4291	6.06907	6.06921	6.06907	5.51307	8.58E-04	1.37E-04	2.57E-03	1.27E-03	4.84E-03
183	641668.28	4291129.76	641668.28, 4291	5.95295	5.95295	5.95295	5.4168	8.42E-04	1.35E-04	2.52E-03	1.25E-03	4.75E-03
184	641708.28	4291129.76	641708.28, 4291	5.67563	5.6755	5.67563	5.18973	8.02E-04	1.28E-04	2.41E-03	1.20E-03	4.54E-03
185	641748.28	4291129.76	641748.28, 4291	5.26449	5.26425	5.26449	4.84829	7.44E-04	1.19E-04	2.23E-03	1.12E-03	4.22E-03
186	641788.28	4291129.76	641788.28, 4291	4.76674	4.76642	4.76674	4.43084	6.74E-04	1.08E-04	2.02E-03	1.02E-03	3.83E-03
187	641828.28	4291129.76	641828.28, 4291	4.2341	4.23376	4.2341	3.98042	5.99E-04	9.58E-05	1.80E-03	9.20E-04	3.41E-03
188	641868.28	4291129.76	641868.28, 4291	3.71645	3.71611	3.71645	3.53493	5.25E-04	8.40E-05	1.58E-03	8.17E-04	3.00E-03
189	641908.28	4291129.76	641908.28, 4291	3.24024	3.23993	3.24024	3.11285	4.58E-04	7.33E-05	1.37E-03	7.20E-04	2.62E-03
190	641948.28	4291129.76	641948.28, 4291	2.82192	2.82164	2.82192	2.72922	3.99E-04	6.38E-05	1.20E-03	6.31E-04	2.29E-03
191	641988.28	4291129.76	641988.28, 4291	2.4632	2.46296	2.4632	2.39129	3.48E-04	5.57E-05	1.04E-03	5.53E-04	2.00E-03
192	642028.28	4291129.76	642028.28, 4291	2.16064	2.16044	2.16064	2.1021	3.05E-04	4.89E-05	9.16E-04	4.86E-04	1.76E-03
193	642068.28	4291129.76	642068.28, 4291	1.90738	1.90721	1.90738	1.8592	2.70E-04	4.31E-05	8.09E-04	4.30E-04	1.55E-03
194	642108.28	4291129.76	642108.28, 4291	1.69516	1.69501	1.69516	1.6562	2.40E-04	3.83E-05	7.19E-04	3.83E-04	1.38E-03
195	642148.28	4291129.76	642148.28, 4291	1.51587	1.51575	1.51587	1.4853	2.14E-04	3.43E-05	6.43E-04	3.43E-04	1.23E-03
196	641374.56	4290226.75	641374.56, 429(	1.9202	1.92033	1.9202	1.99745	2.71E-04	4.34E-05	8.14E-04	4.62E-04	1.59E-03
197	641414.56	4290226.75	641414.56, 429(	2.12362	2.12376	2.12362	2.23344	3.00E-04	4.80E-05	9.01E-04	5.16E-04	1.77E-03
198	641454.56	4290226.75	641454.56, 429(	2.34657	2.34671	2.34657	2.4968	3.32E-04	5.31E-05	9.95E-04	5.77E-04	1.96E-03
199	641494.56	4290226.75	641494.56, 429(	2.58635	2.5865	2.58635	2.78458	3.66E-04	5.85E-05	1.10E-03	6.44E-04	2.16E-03
200	641534.56	4290226.75	641534.56, 429(	2.84231	2.84245	2.84231	3.09444	4.02E-04	6.43E-05	1.21E-03	7.15E-04	2.39E-03
201	641574.56	4290226.75	641574.56, 429(	3.11474	3.11488	3.11474	3.42974	4.40E-04	7.05E-05	1.32E-03	7.93E-04	2.62E-03
202	641614.56	4290226.75	641614.56, 429(	3.40041	3.40054	3.40041	3.79303	4.81E-04	7.69E-05	1.44E-03	8.77E-04	2.88E-03

203	641654.56	4290226.75	641654.56, 429(	3.70073	3.70084	3.70073	4.18345	5.23E-04	8.37E-05	1.57E-03	9.67E-04	3.14E-03
204	641694.56	4290226.75	641694.56, 429(	4.01404	4.01415	4.01404	4.57345	5.67E-04	9.08E-05	1.70E-03	1.06E-03	3.42E-03
205	641734.56	4290226.75	641734.56, 429(	4.35305	4.35319	4.35305	4.95948	6.15E-04	9.85E-05	1.85E-03	1.15E-03	3.71E-03
206	641774.56	4290226.75	641774.56, 429(	4.7636	4.76377	4.7636	5.43209	6.73E-04	1.08E-04	2.02E-03	1.26E-03	4.06E-03
207	641814.56	4290226.75	641814.56, 429(	5.22719	5.22735	5.22719	6.05768	7.39E-04	1.18E-04	2.22E-03	1.40E-03	4.47E-03
208	641854.56	4290226.75	641854.56, 429(	5.61167	5.61167	5.61167	6.69729	7.93E-04	1.27E-04	2.38E-03	1.55E-03	4.85E-03
209	641894.56	4290226.75	641894.56, 429(	5.75285	5.75263	5.75285	7.0178	8.13E-04	1.30E-04	2.44E-03	1.62E-03	5.01E-03
210	641934.56	4290226.75	641934.56, 429(	5.58543	5.58501	5.58543	6.81656	7.90E-04	1.26E-04	2.37E-03	1.58E-03	4.86E-03
211	641974.56	4290226.75	641974.56, 429(	5.179	5.17847	5.179	6.21273	7.32E-04	1.17E-04	2.20E-03	1.44E-03	4.48E-03
212	642014.56	4290226.75	642014.56, 429(	4.65363	4.65309	4.65363	5.44943	6.58E-04	1.05E-04	1.97E-03	1.26E-03	4.00E-03
213	642054.56	4290226.75	642054.56, 429(	4.10564	4.10514	4.10564	4.69249	5.80E-04	9.28E-05	1.74E-03	1.08E-03	3.50E-03
214	642094.56	4290226.75	642094.56, 429(	3.5901	3.58966	3.5901	4.01284	5.07E-04	8.12E-05	1.52E-03	9.28E-04	3.04E-03
215	642134.56	4290226.75	642134.56, 429(	3.1313	3.13093	3.1313	3.4313	4.43E-04	7.08E-05	1.33E-03	7.93E-04	2.63E-03
216	642174.56	4290226.75	642174.56, 429(	2.73289	2.73257	2.73289	2.94366	3.86E-04	6.18E-05	1.16E-03	6.80E-04	2.29E-03
217	642214.56	4290226.75	642214.56, 429(	2.38913	2.38886	2.38913	2.536	3.38E-04	5.40E-05	1.01E-03	5.86E-04	1.99E-03
218	642254.56	4290226.75	642254.56, 429(	2.0968	2.09658	2.0968	2.19836	2.96E-04	4.74E-05	8.89E-04	5.08E-04	1.74E-03
219	642294.56	4290226.75	642294.56, 429(	1.84992	1.84973	1.84992	1.91933	2.62E-04	4.18E-05	7.85E-04	4.44E-04	1.53E-03
220	642334.56	4290226.75	642334.56, 429(	1.64037	1.64021	1.64037	1.68691	2.32E-04	3.71E-05	6.96E-04	3.90E-04	1.35E-03
221	642374.56	4290226.75	642374.56, 429(	1.46042	1.46029	1.46042	1.49084	2.06E-04	3.30E-05	6.19E-04	3.45E-04	1.20E-03
222	642414.56	4290226.75	642414.56, 429(	1.30668	1.30657	1.30668	1.32599	1.85E-04	2.96E-05	5.54E-04	3.06E-04	1.07E-03
223	642454.56	4290226.75	642454.56, 429(	1.17547	1.17537	1.17547	1.18734	1.66E-04	2.66E-05	4.98E-04	2.74E-04	9.66E-04
224	642494.56	4290226.75	642494.56, 429(	1.06247	1.06239	1.06247	1.06954	1.50E-04	2.40E-05	4.51E-04	2.47E-04	8.72E-04
225	642534.56	4290226.75	642534.56, 429(	0.96484	0.96477	0.96484	0.96894	1.36E-04	2.18E-05	4.09E-04	2.24E-04	7.91E-04
226	642574.56	4290226.75	642574.56, 429(	0.88	0.87994	0.88	0.88233	1.24E-04	1.99E-05	3.73E-04	2.04E-04	7.21E-04
227	642614.56	4290226.75	642614.56, 429(	0.80701	0.80696	0.80701	0.80836	1.14E-04	1.83E-05	3.42E-04	1.87E-04	6.61E-04
228	641374.56	4290266.75	641374.56, 429(	2.09724	2.0974	2.09724	2.16744	2.96E-04	4.74E-05	8.89E-04	5.01E-04	1.73E-03
229	641414.56	4290266.75	641414.56, 429(	2.34911	2.34928	2.34911	2.45673	3.32E-04	5.31E-05	9.96E-04	5.68E-04	1.95E-03
230	641454.56	4290266.75	641454.56, 429(	2.62794	2.62812	2.62794	2.78733	3.71E-04	5.94E-05	1.11E-03	6.44E-04	2.19E-03
231	641494.56	4290266.75	641494.56, 429(	2.93458	2.93477	2.93458	3.159	4.15E-04	6.64E-05	1.24E-03	7.30E-04	2.46E-03
232	641534.56	4290266.75	641534.56, 429(	3.2698	3.26999	3.2698	3.57206	4.62E-04	7.40E-05	1.39E-03	8.26E-04	2.75E-03
233	641574.56	4290266.75	641574.56, 429(	3.63613	3.63633	3.63613	4.0301	5.14E-04	8.22E-05	1.54E-03	9.32E-04	3.07E-03
234	641614.56	4290266.75	641614.56, 429(	4.03153	4.03172	4.03153	4.53839	5.70E-04	9.12E-05	1.71E-03	1.05E-03	3.42E-03
235	641654.56	4290266.75	641654.56, 429(	4.44416	4.44433	4.44416	5.08726	6.28E-04	1.01E-04	1.88E-03	1.18E-03	3.79E-03
236	641694.56	4290266.75	641694.56, 429(	4.86504	4.86521	4.86504	5.63623	6.88E-04	1.10E-04	2.06E-03	1.30E-03	4.16E-03
237	641734.56	4290266.75	641734.56, 429(	5.33816	5.33836	5.33816	6.1975	7.55E-04	1.21E-04	2.26E-03	1.43E-03	4.57E-03
238	641774.56	4290266.75	641774.56, 429(	5.91818	5.91843	5.91818	6.89832	8.37E-04	1.34E-04	2.51E-03	1.59E-03	5.07E-03
239	641814.56	4290266.75	641814.56, 429(	6.53694	6.53711	6.53694	7.80688	9.24E-04	1.48E-04	2.77E-03	1.80E-03	5.65E-03
240	641854.56	4290266.75	641854.56, 429(	6.95565	6.95553	6.95565	8.58621	9.83E-04	1.57E-04	2.95E-03	1.98E-03	6.07E-03
241	641894.56	4290266.75	641894.56, 429(	6.94817	6.94771	6.94817	8.69338	9.82E-04	1.57E-04	2.95E-03	2.01E-03	6.10E-03
242	641934.56	4290266.75	641934.56, 429(	6.51816	6.51748	6.51816	8.04641	9.21E-04	1.47E-04	2.76E-03	1.86E-03	5.69E-03
243	641974.56	4290266.75	641974.56, 429(	5.83974	5.839	5.83974	7.01162	8.26E-04	1.32E-04	2.48E-03	1.62E-03	5.05E-03
244	642014.56	4290266.75	642014.56, 429(	5.09213	5.09143	5.09213	5.93367	7.20E-04	1.15E-04	2.16E-03	1.37E-03	4.37E-03
245	642054.56	4290266.75	642054.56, 429(	4.38331	4.38271	4.38331	4.96917	6.20E-04	9.91E-05	1.86E-03	1.15E-03	3.73E-03
246	642094.56	4290266.75	642094.56, 429(	3.76034	3.75984	3.76034	4.16125	5.32E-04	8.50E-05	1.59E-03	9.62E-04	3.17E-03
247	642134.56	4290266.75	642134.56, 429(	3.23046	3.23004	3.23046	3.50159	4.57E-04	7.31E-05	1.37E-03	8.09E-04	2.71E-03
248	642174.56	4290266.75	642174.56, 429(	2.78453	2.78419	2.78453	2.96604	3.94E-04	6.30E-05	1.18E-03	6.86E-04	2.32E-03
249	642214.56	4290266.75	642214.56, 429(	2.4103	2.41002	2.4103	2.53039	3.41E-04	5.45E-05	1.02E-03	5.85E-04	2.00E-03
250	642254.56	4290266.75	642254.56, 429(	2.09789	2.09766	2.09789	2.17621	2.97E-04	4.74E-05	8.90E-04	5.03E-04	1.74E-03
251	642294.56	4290266.75	642294.56, 429(	1.83945	1.83926	1.83945	1.8897	2.60E-04	4.16E-05	7.80E-04	4.37E-04	1.52E-03
252	642334.56	4290266.75	642334.56, 429(	1.62351	1.62335	1.62351	1.65513	2.29E-04	3.67E-05	6.88E-04	3.83E-04	1.34E-03
253	642374.56	4290266.75	642374.56, 429(	1.44068	1.44054	1.44068	1.4602	2.04E-04	3.26E-05	6.11E-04	3.38E-04	1.18E-03
254	642414.56	4290266.75	642414.56, 429(	1.28614	1.28602	1.28614	1.29804	1.82E-04	2.91E-05	5.45E-04	3.00E-04	1.06E-03
255	642454.56	4290266.75	642454.56, 429(	1.15601	1.15592	1.15601	1.16329	1.63E-04	2.61E-05	4.90E-04	2.69E-04	9.49E-04
256	642494.56	4290266.75	642494.56, 429(	1.04478	1.0447	1.04478	1.04932	1.48E-04	2.36E-05	4.43E-04	2.43E-04	8.57E-04
257	642534.56	4290266.75	642534.56, 429(	0.94915	0.94908	0.94915	0.95213	1.34E-04	2.15E-05	4.03E-04	2.20E-04	7.78E-04
258	642574.56	4290266.75	642574.56, 429(	0.86592	0.86586	0.86592	0.86801	1.22E-04	1.96E-05	3.67E-04	2.01E-04	7.10E-04
259	642614.56	4290266.75	642614.56, 429(	0.79436	0.79431	0.79436	0.79593	1.12E-04	1.80E-05	3.37E-04	1.84E-04	6.51E-04
260	641374.56	4290306.75	641374.56, 429(	2.28677	2.28696	2.28677	2.34261	3.23E-04	5.17E-05	9.70E-04	5.41E-04	1.89E-03
261	641414.56	4290306.75	641414.56, 429(	2.59667	2.59689	2.59667	2.69305	3.67E-04	5.87E-05	1.10E-03	6.22E-04	2.15E-03
262	641454.56	4290306.75	641454.56, 429(	2.94841	2.94865	2.94841	3.10629	4.17E-04	6.67E-05	1.25E-03	7.18E-04	2.45E-03
263	641494.56	4290306.75	641494.56, 429(	3.34903	3.34929	3.34903	3.5928	4.73E-04	7.58E-05	1.42E-03	8.30E-04	2.80E-03
264	641534.56	4290306.75	641534.56, 429(	3.80137	3.80165	3.80137	4.15811	5.37E-04	8.60E-05	1.61E-03	9.61E-04	3.20E-03
265	641574.56	4290306.75	641574.56, 429(	4.30717	4.30745	4.30717	4.80315	6.09E-04	9.74E-05	1.83E-03	1.11E-03	3.64E-03
266	641614.56	4290306.75	641614.56, 429(	4.85124	4.85152	4.85124	5.51733	6.86E-04	1.10E-04	2.06E-03	1.28E-03	4.13E-03
267	641654.56	4290306.75	641654.56, 429(	5.42595	5.42621	5.42595	6.30647	7.67E-04	1.23E-04	2.30E-03	1.46E-03	4.65E-03
268	641694.56	4290306.75	641694.56, 429(	6.03471	6.03495	6.03471	7.13858	8.53E-04	1.36E-04	2.56E-03	1.65E-03	5.20E-03
269	641734.56	4290306.75	641734.56, 429(	6.7218	6.72209	6.7218	7.99779	9.50E-04	1.52E-04	2.85E-03	1.85E-03	5.80E-03
270	641774.56	4290306.75	641774.56, 429(	7.55506	7.55541	7.55506	9.07311	1.07E-03	1.71E-04	3.20E-03	2.10E-03	6.54E-03
271	641814.56	4290306.75	641814.56, 429(	8.38435	8.38447	8.38435	10.42154	1.19E-03	1.90E-04	3.56E-03	2.41E-03	7.34E-03
272	641854.56	4290306.75	641854.56, 429(	8.75646	8.75605	8.75646	11.23762	1.24E-03	1.98E-04	3.71E-03	2.60E-03	7.75E-03
273	641894.56	4290306.75	641894.56, 429(	8.41812	8.41726	8.41812	10.77216	1.19E-03	1.90E-04	3.57E-03	2.49E-03	7.44E-03

274	641934.56	4290306.75	641934.56, 429(	7.55883	7.55779	7.55883	9.38371	1.07E-03	1.71E-04	3.21E-03	2.17E-03	6.61E-03
275	641974.56	4290306.75	641974.56, 429(	6.50969	6.50869	6.50969	7.78286	9.20E-04	1.47E-04	2.76E-03	1.80E-03	5.63E-03
276	642014.56	4290306.75	642014.56, 429(	5.49685	5.496	5.49685	6.34577	7.77E-04	1.24E-04	2.33E-03	1.47E-03	4.70E-03
277	642054.56	4290306.75	642054.56, 429(	4.61508	4.61438	4.61508	5.16849	6.52E-04	1.04E-04	1.96E-03	1.19E-03	3.91E-03
278	642094.56	4290306.75	642094.56, 429(	3.88668	3.88612	3.88668	4.243	5.49E-04	8.79E-05	1.65E-03	9.81E-04	3.27E-03
279	642134.56	4290306.75	642134.56, 429(	3.28892	3.28847	3.28892	3.51548	4.65E-04	7.44E-05	1.39E-03	8.13E-04	2.75E-03
280	642174.56	4290306.75	642174.56, 429(	2.80177	2.80141	2.80177	2.94411	3.96E-04	6.34E-05	1.19E-03	6.81E-04	2.33E-03
281	642214.56	4290306.75	642214.56, 429(	2.40479	2.4045	2.40479	2.49312	3.40E-04	5.44E-05	1.02E-03	5.76E-04	1.99E-03
282	642254.56	4290306.75	642254.56, 429(	2.0804	2.08016	2.0804	2.13462	2.94E-04	4.70E-05	8.82E-04	4.93E-04	1.72E-03
283	642294.56	4290306.75	642294.56, 429(	1.81535	1.81516	1.81535	1.84846	2.57E-04	4.11E-05	7.70E-04	4.27E-04	1.49E-03
284	642334.56	4290306.75	642334.56, 429(	1.59711	1.59695	1.59711	1.61742	2.26E-04	3.61E-05	6.77E-04	3.74E-04	1.31E-03
285	642374.56	4290306.75	642374.56, 429(	1.41404	1.41391	1.41404	1.42671	2.00E-04	3.20E-05	6.00E-04	3.30E-04	1.16E-03
286	642414.56	4290306.75	642414.56, 429(	1.2615	1.26139	1.2615	1.26973	1.78E-04	2.85E-05	5.35E-04	2.93E-04	1.04E-03
287	642454.56	4290306.75	642454.56, 429(	1.13426	1.13416	1.13426	1.1399	1.60E-04	2.57E-05	4.81E-04	2.63E-04	9.30E-04
288	642494.56	4290306.75	642494.56, 429(	1.02591	1.02583	1.02591	1.03002	1.45E-04	2.32E-05	4.35E-04	2.38E-04	8.41E-04
289	642534.56	4290306.75	642534.56, 429(	0.93288	0.93281	0.93288	0.93602	1.32E-04	2.11E-05	3.96E-04	2.16E-04	7.65E-04
290	642574.56	4290306.75	642574.56, 429(	0.85209	0.85203	0.85209	0.85454	1.20E-04	1.93E-05	3.61E-04	1.98E-04	6.99E-04
291	642614.56	4290306.75	642614.56, 429(	0.76059	0.76054	0.76059	0.77783	1.08E-04	1.72E-05	3.23E-04	1.80E-04	6.27E-04
292	641374.56	4290346.75	641374.56, 429(	2.48694	2.48718	2.48694	2.52166	3.52E-04	5.63E-05	1.05E-03	5.83E-04	2.05E-03
293	641414.56	4290346.75	641414.56, 429(	2.86305	2.86333	2.86305	2.93638	4.05E-04	6.48E-05	1.21E-03	6.79E-04	2.36E-03
294	641454.56	4290346.75	641454.56, 429(	3.31258	3.31291	3.31258	3.45177	4.68E-04	7.49E-05	1.40E-03	7.98E-04	2.75E-03
295	641494.56	4290346.75	641494.56, 429(	3.84303	3.84339	3.84303	4.08768	5.43E-04	8.69E-05	1.63E-03	9.45E-04	3.20E-03
296	641534.56	4290346.75	641534.56, 429(	4.45452	4.45492	4.45452	4.85733	6.30E-04	1.01E-04	1.89E-03	1.12E-03	3.74E-03
297	641574.56	4290346.75	641574.56, 429(	5.14702	5.14744	5.14702	5.76696	7.28E-04	1.16E-04	2.18E-03	1.33E-03	4.36E-03
298	641614.56	4290346.75	641614.56, 429(	5.92906	5.92949	5.92906	6.82417	8.38E-04	1.34E-04	2.51E-03	1.58E-03	5.06E-03
299	641654.56	4290346.75	641654.56, 429(	6.79285	6.79326	6.79285	8.03825	9.60E-04	1.54E-04	2.88E-03	1.86E-03	5.85E-03
300	641694.56	4290346.75	641694.56, 429(	7.70925	7.70963	7.70925	9.36737	1.09E-03	1.74E-04	3.27E-03	2.17E-03	6.70E-03
301	641734.56	4290346.75	641734.56, 429(	8.74575	8.74622	8.74575	10.75745	1.24E-03	1.98E-04	3.71E-03	2.49E-03	7.63E-03
302	641774.56	4290346.75	641774.56, 429(	10.01809	10.01858	10.01809	12.54691	1.42E-03	2.27E-04	4.25E-03	2.90E-03	8.79E-03
303	641814.56	4290346.75	641814.56, 429(	11.09559	11.0955	11.09559	14.54866	1.57E-03	2.51E-04	4.71E-03	3.36E-03	9.89E-03
304	641854.56	4290346.75	641854.56, 429(	11.16926	11.16826	11.16926	14.93706	1.58E-03	2.53E-04	4.74E-03	3.45E-03	1.00E-02
305	641894.56	4290346.75	641894.56, 429(	10.15497	10.15346	10.15497	13.19741	1.44E-03	2.30E-04	4.31E-03	3.05E-03	9.02E-03
306	641934.56	4290346.75	641934.56, 429(	8.63804	8.63654	8.63804	10.69808	1.22E-03	1.95E-04	3.66E-03	2.47E-03	7.55E-03
307	641974.56	4290346.75	641974.56, 429(	7.1315	7.13021	7.1315	8.43398	1.01E-03	1.61E-04	3.02E-03	1.95E-03	6.14E-03
308	642014.56	4290346.75	642014.56, 429(	5.83421	5.83319	5.83421	6.63307	8.25E-04	1.32E-04	2.47E-03	1.53E-03	4.96E-03
309	642054.56	4290346.75	642054.56, 429(	4.78242	4.78163	4.78242	5.2633	6.76E-04	1.08E-04	2.03E-03	1.22E-03	4.03E-03
310	642094.56	4290346.75	642094.56, 429(	3.95358	3.95296	3.95358	4.23992	5.59E-04	8.94E-05	1.68E-03	9.80E-04	3.30E-03
311	642134.56	4290346.75	642134.56, 429(	3.29718	3.2967	3.29718	3.4661	4.66E-04	7.46E-05	1.40E-03	8.01E-04	2.74E-03
312	642174.56	4290346.75	642174.56, 429(	2.78194	2.78157	2.78194	2.88153	3.93E-04	6.29E-05	1.18E-03	6.66E-04	2.30E-03
313	642214.56	4290346.75	642214.56, 429(	2.37237	2.37208	2.37237	2.43143	3.35E-04	5.37E-05	1.01E-03	5.62E-04	1.96E-03
314	642254.56	4290346.75	642254.56, 429(	2.04529	2.04506	2.04529	2.08101	2.89E-04	4.63E-05	8.67E-04	4.81E-04	1.68E-03
315	642294.56	4290346.75	642294.56, 429(	1.7808	1.78061	1.7808	1.80318	2.52E-04	4.03E-05	7.55E-04	4.17E-04	1.46E-03
316	642334.56	4290346.75	642334.56, 429(	1.56465	1.56449	1.56465	1.57937	2.21E-04	3.54E-05	6.64E-04	3.65E-04	1.29E-03
317	642374.56	4290346.75	642374.56, 429(	1.38567	1.38555	1.38567	1.39591	1.96E-04	3.13E-05	5.88E-04	3.23E-04	1.14E-03
318	642414.56	4290346.75	642414.56, 429(	1.23688	1.23677	1.23688	1.24438	1.75E-04	2.80E-05	5.25E-04	2.88E-04	1.01E-03
319	642454.56	4290346.75	642454.56, 429(	1.11279	1.1127	1.11279	1.11849	1.57E-04	2.52E-05	4.72E-04	2.59E-04	9.13E-04
320	642494.56	4290346.75	642494.56, 429(	1.00744	1.00736	1.00744	1.01185	1.42E-04	2.28E-05	4.27E-04	2.34E-04	8.26E-04
321	642534.56	4290346.75	642534.56, 429(	0.91703	0.91697	0.91703	0.92041	1.30E-04	2.07E-05	3.89E-04	2.13E-04	7.52E-04
322	642574.56	4290346.75	642574.56, 429(	0.83849	0.83844	0.83849	0.84102	1.19E-04	1.90E-05	3.56E-04	1.94E-04	6.87E-04
323	642614.56	4290346.75	642614.56, 429(	0.74052	0.74048	0.74052	0.75743	1.05E-04	1.67E-05	3.14E-04	1.75E-04	6.11E-04
324	641374.56	4290386.75	641374.56, 429(	2.69188	2.69217	2.69188	2.70607	3.81E-04	6.09E-05	1.14E-03	6.25E-04	2.21E-03
325	641414.56	4290386.75	641414.56, 429(	3.14389	3.14425	3.14389	3.18582	4.44E-04	7.11E-05	1.33E-03	7.36E-04	2.59E-03
326	641454.56	4290386.75	641454.56, 429(	3.70633	3.70677	3.70633	3.80582	5.24E-04	8.38E-05	1.57E-03	8.80E-04	3.06E-03
327	641494.56	4290386.75	641494.56, 429(	4.39302	4.39354	4.39302	4.60813	6.21E-04	9.94E-05	1.86E-03	1.07E-03	3.65E-03
328	641534.56	4290386.75	641534.56, 429(	5.23528	5.23586	5.23528	5.65119	7.40E-04	1.18E-04	2.22E-03	1.31E-03	4.38E-03
329	641574.56	4290386.75	641574.56, 429(	6.24926	6.24991	6.24926	6.98551	8.83E-04	1.41E-04	2.65E-03	1.61E-03	5.29E-03
330	641614.56	4290386.75	641614.56, 429(	7.43023	7.43092	7.43023	8.63095	1.05E-03	1.68E-04	3.15E-03	2.00E-03	6.36E-03
331	641654.56	4290386.75	641654.56, 429(	8.77093	8.77161	8.77093	10.60296	1.24E-03	1.98E-04	3.72E-03	2.45E-03	7.61E-03
332	641694.56	4290386.75	641694.56, 429(	10.22739	10.22804	10.22739	12.87854	1.45E-03	2.31E-04	4.34E-03	2.98E-03	8.99E-03
333	641734.56	4290386.75	641734.56, 429(	11.90632	11.90712	11.90632	15.344	1.68E-03	2.69E-04	5.05E-03	3.55E-03	1.05E-02
334	641774.56	4290386.75	641774.56, 429(	13.94789	13.94852	13.94789	18.59391	1.97E-03	3.15E-04	5.91E-03	4.30E-03	1.25E-02
335	641814.56	4290386.75	641814.56, 429(	15.1877	15.18691	15.1877	21.34621	2.15E-03	3.43E-04	6.44E-03	4.93E-03	1.39E-02
336	641854.56	4290386.75	641854.56, 429(	14.34365	14.34148	14.34365	19.90721	2.03E-03	3.24E-04	6.08E-03	4.60E-03	1.30E-02
337	641894.56	4290386.75	641894.56, 429(	12.0861	12.08365	12.0861	15.76425	1.71E-03	2.73E-04	5.13E-03	3.64E-03	1.08E-02
338	641934.56	4290386.75	641934.56, 429(	9.6599	9.65784	9.6599	11.81022	1.37E-03	2.18E-04	4.10E-03	2.73E-03	8.41E-03
339	641974.56	4290386.75	641974.56, 429(	7.62302	7.62145	7.62302	8.83262	1.08E-03	1.72E-04	3.23E-03	2.04E-03	6.52E-03
340	642014.56	4290386.75	642014.56, 429(	6.04912	6.04796	6.04912	6.71828	8.55E-04	1.37E-04	2.57E-03	1.55E-03	5.11E-03
341	642054.56	4290386.75	642054.56, 429(	4.854	4.85314	4.854	5.22119	6.86E-04	1.10E-04	2.06E-03	1.21E-03	4.06E-03
342	642094.56	4290386.75	642094.56, 429(	3.94979	3.94915	3.94979	4.15227	5.58E-04	8.93E-05	1.68E-03	9.60E-04	3.28E-03
343	642134.56	4290386.75	642134.56, 429(	3.25882	3.25834	3.25882	3.37254	4.61E-04	7.37E-05	1.38E-03	7.80E-04	2.70E-03
344	642174.56	4290386.75	642174.56, 429(	2.73295	2.73258	2.73295	2.79945	3.86E-04	6.18E-05	1.16E-03	6.47E-04	2.25E-03

345	642214.56	4290386.75	642214.56, 429(	2.32321	2.32292	2.32321	2.36416	3.28E-04	5.25E-05	9.85E-04	5.46E-04	1.91E-03
346	642254.56	4290386.75	642254.56, 429(	2.00007	1.99984	2.00007	2.02687	2.83E-04	4.52E-05	8.48E-04	4.69E-04	1.64E-03
347	642294.56	4290386.75	642294.56, 429(	1.74086	1.74067	1.74086	1.75947	2.46E-04	3.94E-05	7.38E-04	4.07E-04	1.43E-03
348	642334.56	4290386.75	642334.56, 429(	1.52985	1.5297	1.52985	1.5434	2.16E-04	3.46E-05	6.49E-04	3.57E-04	1.26E-03
349	642374.56	4290386.75	642374.56, 429(	1.35647	1.35635	1.35647	1.36662	1.92E-04	3.07E-05	5.75E-04	3.16E-04	1.11E-03
350	642414.56	4290386.75	642414.56, 429(	1.21195	1.21185	1.21195	1.21963	1.71E-04	2.74E-05	5.14E-04	2.82E-04	9.95E-04
351	642454.56	4290386.75	642454.56, 429(	1.09192	1.09183	1.09192	1.09772	1.54E-04	2.47E-05	4.63E-04	2.54E-04	8.96E-04
352	642494.56	4290386.75	642494.56, 429(	0.9898	0.98973	0.9898	0.9941	1.40E-04	2.24E-05	4.20E-04	2.30E-04	8.12E-04
353	642534.56	4290386.75	642534.56, 429(	0.90207	0.902	0.90207	0.90513	1.28E-04	2.04E-05	3.83E-04	2.09E-04	7.40E-04
354	642574.56	4290386.75	642574.56, 429(	0.82573	0.82567	0.82573	0.82776	1.17E-04	1.87E-05	3.50E-04	1.91E-04	6.77E-04
355	642614.56	4290386.75	642614.56, 429(	0.75928	0.75923	0.75928	0.76046	1.07E-04	1.72E-05	3.22E-04	1.76E-04	6.22E-04
356	641374.56	4290426.75	641374.56, 429(	2.89884	2.89919	2.89884	2.89903	4.10E-04	6.56E-05	1.23E-03	6.70E-04	2.37E-03
357	641414.56	4290426.75	641414.56, 429(	3.43379	3.43423	3.43379	3.44669	4.85E-04	7.77E-05	1.46E-03	7.97E-04	2.82E-03
358	641454.56	4290426.75	641454.56, 429(	4.11935	4.11991	4.11935	4.17059	5.82E-04	9.32E-05	1.75E-03	9.64E-04	3.39E-03
359	641494.56	4290426.75	641494.56, 429(	5.00156	5.00228	5.00156	5.1489	7.07E-04	1.13E-04	2.12E-03	1.19E-03	4.13E-03
360	641534.56	4290426.75	641534.56, 429(	6.18008	6.18096	6.18008	6.52864	8.74E-04	1.40E-04	2.62E-03	1.51E-03	5.14E-03
361	641574.56	4290426.75	641574.56, 429(	7.68415	7.6852	7.68415	8.45545	1.09E-03	1.74E-04	3.26E-03	1.95E-03	6.47E-03
362	641614.56	4290426.75	641614.56, 429(	9.53487	9.53606	9.53487	11.09154	1.35E-03	2.16E-04	4.04E-03	2.56E-03	8.17E-03
363	641654.56	4290426.75	641654.56, 429(	11.7479	11.74913	11.7479	14.55359	1.66E-03	2.66E-04	4.98E-03	3.36E-03	1.03E-02
364	641694.56	4290426.75	641694.56, 429(	14.26299	14.26418	14.26299	18.85515	2.02E-03	3.23E-04	6.05E-03	4.36E-03	1.27E-02
365	641734.56	4290426.75	641734.56, 429(	17.2915	17.29298	17.2915	23.94044	2.44E-03	3.91E-04	7.33E-03	5.53E-03	1.57E-02
366	641774.56	4290426.75	641774.56, 429(	20.76454	20.76508	20.76454	30.57199	2.94E-03	4.70E-04	8.81E-03	7.07E-03	1.93E-02
367	641814.56	4290426.75	641814.56, 429(	21.4823	21.47946	21.4823	32.81344	3.04E-03	4.86E-04	9.11E-03	7.58E-03	2.02E-02
368	641854.56	4290426.75	641854.56, 429(	18.28989	18.28559	18.28989	25.94384	2.59E-03	4.14E-04	7.76E-03	6.00E-03	1.68E-02
369	641894.56	4290426.75	641894.56, 429(	14.03392	14.03026	14.03392	18.0529	1.98E-03	3.17E-04	5.95E-03	4.17E-03	1.24E-02
370	641934.56	4290426.75	641934.56, 429(	10.48741	10.48479	10.48741	12.46423	1.48E-03	2.37E-04	4.45E-03	2.88E-03	9.05E-03
371	641974.56	4290426.75	641974.56, 429(	7.91625	7.91444	7.91625	8.87965	1.12E-03	1.79E-04	3.36E-03	2.05E-03	6.71E-03
372	642014.56	4290426.75	642014.56, 429(	6.10536	6.1041	6.10536	6.58322	8.63E-04	1.38E-04	2.59E-03	1.52E-03	5.11E-03
373	642054.56	4290426.75	642054.56, 429(	4.81532	4.81443	4.81532	5.06213	6.81E-04	1.09E-04	2.04E-03	1.17E-03	4.00E-03
374	642094.56	4290426.75	642094.56, 429(	3.87906	3.87842	3.87906	4.01461	5.48E-04	8.77E-05	1.65E-03	9.28E-04	3.21E-03
375	642134.56	4290426.75	642134.56, 429(	3.18608	3.18561	3.18608	3.26627	4.50E-04	7.21E-05	1.35E-03	7.55E-04	2.63E-03
376	642174.56	4290426.75	642174.56, 429(	2.66549	2.66513	2.66549	2.71683	3.77E-04	6.03E-05	1.13E-03	6.28E-04	2.20E-03
377	642214.56	4290426.75	642214.56, 429(	2.26461	2.26433	2.26461	2.29967	3.20E-04	5.12E-05	9.60E-04	5.32E-04	1.86E-03
378	642254.56	4290426.75	642254.56, 429(	1.95004	1.94982	1.95004	1.97511	2.76E-04	4.41E-05	8.27E-04	4.57E-04	1.60E-03
379	642294.56	4290426.75	642294.56, 429(	1.69985	1.69967	1.69985	1.71829	2.40E-04	3.84E-05	7.21E-04	3.97E-04	1.40E-03
380	642334.56	4290426.75	642334.56, 429(	1.49639	1.49625	1.49639	1.51013	2.12E-04	3.38E-05	6.35E-04	3.49E-04	1.23E-03
381	642374.56	4290426.75	642374.56, 429(	1.32899	1.32887	1.32899	1.33921	1.88E-04	3.01E-05	5.64E-04	3.10E-04	1.09E-03
382	642414.56	4290426.75	642414.56, 429(	1.18926	1.18916	1.18926	1.19676	1.68E-04	2.69E-05	5.04E-04	2.77E-04	9.76E-04
383	642454.56	4290426.75	642454.56, 429(	1.07245	1.07237	1.07245	1.07785	1.52E-04	2.43E-05	4.55E-04	2.49E-04	8.80E-04
384	642494.56	4290426.75	642494.56, 429(	0.97335	0.97328	0.97335	0.97713	1.38E-04	2.20E-05	4.13E-04	2.26E-04	7.98E-04
385	642534.56	4290426.75	642534.56, 429(	0.88827	0.8882	0.88827	0.89077	1.26E-04	2.01E-05	3.77E-04	2.06E-04	7.28E-04
386	642574.56	4290426.75	642574.56, 429(	0.81392	0.81387	0.81392	0.81541	1.15E-04	1.84E-05	3.45E-04	1.88E-04	6.67E-04
387	642614.56	4290426.75	642614.56, 429(	0.74947	0.74942	0.74947	0.75018	1.06E-04	1.69E-05	3.18E-04	1.73E-04	6.14E-04
388	641374.56	4290466.75	641374.56, 429(	3.10877	3.10917	3.10877	3.0925	4.39E-04	7.03E-05	1.32E-03	7.15E-04	2.54E-03
389	641414.56	4290466.75	641414.56, 429(	3.72191	3.72243	3.72191	3.71177	5.26E-04	8.42E-05	1.58E-03	8.58E-04	3.05E-03
390	641454.56	4290466.75	641454.56, 429(	4.53974	4.54044	4.53974	4.54804	6.42E-04	1.03E-04	1.93E-03	1.05E-03	3.72E-03
391	641494.56	4290466.75	641494.56, 429(	5.65432	5.65527	5.65432	5.71677	7.99E-04	1.28E-04	2.40E-03	1.32E-03	4.65E-03
392	641534.56	4290466.75	641534.56, 429(	7.24359	7.2449	7.24359	7.44657	1.02E-03	1.64E-04	3.07E-03	1.72E-03	5.98E-03
393	641574.56	4290466.75	641574.56, 429(	9.46455	9.46631	9.46455	10.08507	1.34E-03	2.14E-04	4.01E-03	2.33E-03	7.90E-03
394	641614.56	4290466.75	641614.56, 429(	12.50308	12.50528	12.50308	14.24858	1.77E-03	2.83E-04	5.30E-03	3.29E-03	1.06E-02
395	641654.56	4290466.75	641654.56, 429(	16.42592	16.4284	16.42592	20.67964	2.32E-03	3.72E-04	6.97E-03	4.78E-03	1.44E-02
396	641694.56	4290466.75	641694.56, 429(	21.35113	21.35366	21.35113	30.22899	3.02E-03	4.83E-04	9.05E-03	6.99E-03	1.95E-02
397	641734.56	4290466.75	641734.56, 429(	27.5822	27.58532	27.5822	43.1256	3.90E-03	6.24E-04	1.17E-02	9.97E-03	2.62E-02
398	641774.56	4290466.75	641774.56, 429(	33.84489	33.84353	33.84489	58.83973	4.78E-03	7.65E-04	1.44E-02	1.36E-02	3.35E-02
399	641814.56	4290466.75	641814.56, 429(	30.98205	30.97376	30.98205	51.21839	4.38E-03	7.01E-04	1.31E-02	1.18E-02	3.01E-02
400	641854.56	4290466.75	641854.56, 429(	22.59323	22.58567	22.59323	31.69113	3.19E-03	5.11E-04	9.58E-03	7.33E-03	2.06E-02
401	641894.56	4290466.75	641894.56, 429(	15.58431	15.57937	15.58431	19.21263	2.20E-03	3.52E-04	6.61E-03	4.44E-03	1.36E-02
402	641934.56	4290466.75	641934.56, 429(	10.91341	10.91036	10.91341	12.38232	1.54E-03	2.47E-04	4.63E-03	2.86E-03	9.28E-03
403	641974.56	4290466.75	641974.56, 429(	7.93983	7.9379	7.93983	8.58402	1.12E-03	1.80E-04	3.37E-03	1.98E-03	6.65E-03
404	642014.56	4290466.75	642014.56, 429(	5.99857	5.9973	5.99857	6.31457	8.48E-04	1.36E-04	2.54E-03	1.46E-03	4.99E-03
405	642054.56	4290466.75	642054.56, 429(	4.68776	4.68689	4.68776	4.86286	6.63E-04	1.06E-04	1.99E-03	1.12E-03	3.88E-03
406	642094.56	4290466.75	642094.56, 429(	3.76592	3.76529	3.76592	3.87364	5.32E-04	8.52E-05	1.60E-03	8.95E-04	3.11E-03
407	642134.56	4290466.75	642134.56, 429(	3.09364	3.09318	3.09364	3.16499	4.37E-04	7.00E-05	1.31E-03	7.32E-04	2.55E-03
408	642174.56	4290466.75	642174.56, 429(	2.59045	2.5901	2.59045	2.64011	3.66E-04	5.86E-05	1.10E-03	6.10E-04	2.13E-03
409	642214.56	4290466.75	642214.56, 429(	2.20434	2.20407	2.20434	2.23995	3.12E-04	4.99E-05	9.35E-04	5.18E-04	1.81E-03
410	642254.56	4290466.75	642254.56, 429(	1.90186	1.90165	1.90186	1.9278	2.69E-04	4.30E-05	8.07E-04	4.46E-04	1.56E-03
411	642294.56	4290466.75	642294.56, 429(	1.66198	1.66181	1.66198	1.68112	2.35E-04	3.76E-05	7.05E-04	3.89E-04	1.37E-03
412	642334.56	4290466.75	642334.56, 429(	1.46642	1.46628	1.46642	1.48055	2.07E-04	3.32E-05	6.22E-04	3.42E-04	1.20E-03
413	642374.56	4290466.75	642374.56, 429(	1.30467	1.30455	1.30467	1.31506	1.84E-04	2.95E-05	5.53E-04	3.04E-04	1.07E-03
414	642414.56	4290466.75	642414.56, 429(	1.16936	1.16926	1.16936	1.17691	1.65E-04	2.64E-05	4.96E-04	2.72E-04	9.60E-04
415	642454.56	4290466.75	642454.56, 429(	1.05508	1.05499	1.05508	1.0605	1.49E-04	2.39E-05	4.47E-04	2.45E-04	8.66E-04

416	642494.56	4290466.75	642494.56, 429(	0.95842	0.95835	0.95842	0.96225	1.35E-04	2.17E-05	4.06E-04	2.22E-04	7.86E-04
417	642534.56	4290466.75	642534.56, 429(	0.87562	0.87556	0.87562	0.87824	1.24E-04	1.98E-05	3.71E-04	2.03E-04	7.18E-04
418	642574.56	4290466.75	642574.56, 429(	0.80349	0.80343	0.80349	0.80519	1.14E-04	1.82E-05	3.41E-04	1.86E-04	6.59E-04
419	642614.56	4290466.75	642614.56, 429(	0.74082	0.74078	0.74082	0.74183	1.05E-04	1.68E-05	3.14E-04	1.71E-04	6.07E-04
420	641920.09	4290522.63	641920.09, 429(	12.22264	12.21875	12.22264	13.3804	1.73E-03	2.76E-04	5.18E-03	3.09E-03	1.03E-02
421	641960.09	4290522.63	641960.09, 429(	8.51149	8.50926	8.51149	9.07679	1.20E-03	1.92E-04	3.61E-03	2.10E-03	7.10E-03
422	642000.09	4290522.63	642000.09, 429(	6.28649	6.28509	6.28649	6.60877	8.89E-04	1.42E-04	2.67E-03	1.53E-03	5.22E-03
423	642040.09	4290522.63	642040.09, 429(	4.85395	4.85302	4.85395	5.05609	6.86E-04	1.10E-04	2.06E-03	1.17E-03	4.02E-03
424	642080.09	4290522.63	642080.09, 429(	3.8748	3.87415	3.8748	4.00938	5.48E-04	8.76E-05	1.64E-03	9.27E-04	3.21E-03
425	642120.09	4290522.63	642120.09, 429(	3.17163	3.17115	3.17163	3.2645	4.48E-04	7.17E-05	1.35E-03	7.55E-04	2.62E-03
426	642160.09	4290522.63	642160.09, 429(	2.65042	2.65006	2.65042	2.7163	3.75E-04	5.99E-05	1.12E-03	6.28E-04	2.19E-03
427	642200.09	4290522.63	642200.09, 429(	2.25332	2.25304	2.25332	2.30114	3.19E-04	5.10E-05	9.56E-04	5.32E-04	1.86E-03
428	642240.09	4290522.63	642240.09, 429(	1.94287	1.94265	1.94287	1.97819	2.75E-04	4.39E-05	8.24E-04	4.57E-04	1.60E-03
429	642280.09	4290522.63	642280.09, 429(	1.69554	1.69536	1.69554	1.72202	2.40E-04	3.83E-05	7.19E-04	3.98E-04	1.40E-03
430	642320.09	4290522.63	642320.09, 429(	1.4949	1.49475	1.4949	1.51501	2.11E-04	3.38E-05	6.34E-04	3.50E-04	1.23E-03
431	642360.09	4290522.63	642360.09, 429(	1.32931	1.32919	1.32931	1.34473	1.88E-04	3.01E-05	5.64E-04	3.11E-04	1.09E-03
432	642400.09	4290522.63	642400.09, 429(	1.19107	1.19097	1.19107	1.20299	1.68E-04	2.69E-05	5.05E-04	2.78E-04	9.78E-04
433	642440.09	4290522.63	642440.09, 429(	1.07425	1.07417	1.07425	1.08352	1.52E-04	2.43E-05	4.56E-04	2.50E-04	8.82E-04
434	642480.09	4290522.63	642480.09, 429(	0.97521	0.97514	0.97521	0.98247	1.38E-04	2.21E-05	4.14E-04	2.27E-04	8.01E-04
435	642520.09	4290522.63	642520.09, 429(	0.89012	0.89005	0.89012	0.89583	1.26E-04	2.01E-05	3.77E-04	2.07E-04	7.31E-04
436	642560.09	4290522.63	642560.09, 429(	0.81644	0.81639	0.81644	0.82095	1.15E-04	1.85E-05	3.46E-04	1.90E-04	6.70E-04
437	642600.09	4290522.63	642600.09, 429(	0.75216	0.75211	0.75216	0.75572	1.06E-04	1.70E-05	3.19E-04	1.75E-04	6.17E-04
438	641920.09	4290562.63	641920.09, 429(	11.63819	11.63454	11.63819	12.83358	1.65E-03	2.63E-04	4.94E-03	2.97E-03	9.81E-03
439	641960.09	4290562.63	641960.09, 429(	8.14972	8.14762	8.14972	8.79413	1.15E-03	1.84E-04	3.46E-03	2.03E-03	6.83E-03
440	642000.09	4290562.63	642000.09, 429(	6.05914	6.05782	6.05914	6.44384	8.57E-04	1.37E-04	2.57E-03	1.49E-03	5.05E-03
441	642040.09	4290562.63	642040.09, 429(	4.70311	4.70222	4.70311	4.94941	6.65E-04	1.06E-04	1.99E-03	1.14E-03	3.91E-03
442	642080.09	4290562.63	642080.09, 429(	3.76965	3.76902	3.76965	3.93547	5.33E-04	8.52E-05	1.60E-03	9.10E-04	3.13E-03
443	642120.09	4290562.63	642120.09, 429(	3.09804	3.09758	3.09804	3.21401	4.38E-04	7.01E-05	1.31E-03	7.43E-04	2.56E-03
444	642160.09	4290562.63	642160.09, 429(	2.59683	2.59648	2.59683	2.68032	3.67E-04	5.87E-05	1.10E-03	6.20E-04	2.15E-03
445	642200.09	4290562.63	642200.09, 429(	2.21467	2.21439	2.21467	2.27644	3.13E-04	5.01E-05	9.39E-04	5.26E-04	1.83E-03
446	642240.09	4290562.63	642240.09, 429(	1.91365	1.91344	1.91365	1.96022	2.71E-04	4.33E-05	8.12E-04	4.53E-04	1.58E-03
447	642280.09	4290562.63	642280.09, 429(	1.67272	1.67255	1.67272	1.70843	2.36E-04	3.78E-05	7.09E-04	3.95E-04	1.38E-03
448	642320.09	4290562.63	642320.09, 429(	1.47666	1.47652	1.47666	1.50446	2.09E-04	3.34E-05	6.26E-04	3.48E-04	1.22E-03
449	642360.09	4290562.63	642360.09, 429(	1.31477	1.31465	1.31477	1.3367	1.86E-04	2.97E-05	5.58E-04	3.09E-04	1.08E-03
450	642400.09	4290562.63	642400.09, 429(	1.17942	1.17932	1.17942	1.19691	1.67E-04	2.67E-05	5.00E-04	2.77E-04	9.70E-04
451	642440.09	4290562.63	642440.09, 429(	1.06499	1.0649	1.06499	1.07907	1.51E-04	2.41E-05	4.52E-04	2.49E-04	8.76E-04
452	642480.09	4290562.63	642480.09, 429(	0.9674	0.96733	0.9674	0.97883	1.37E-04	2.19E-05	4.10E-04	2.26E-04	7.95E-04
453	642520.09	4290562.63	642520.09, 429(	0.88339	0.88332	0.88339	0.89273	1.25E-04	2.00E-05	3.75E-04	2.06E-04	7.26E-04
454	642560.09	4290562.63	642560.09, 429(	0.8104	0.81034	0.8104	0.81808	1.15E-04	1.83E-05	3.44E-04	1.89E-04	6.66E-04
455	642600.09	4290562.63	642600.09, 429(	0.74647	0.74642	0.74647	0.75283	1.06E-04	1.69E-05	3.17E-04	1.74E-04	6.13E-04
456	641920.09	4290602.63	641920.09, 429(	11.12075	11.11734	11.12075	12.3343	1.57E-03	2.51E-04	4.72E-03	2.85E-03	9.39E-03
457	641960.09	4290602.63	641960.09, 429(	7.86737	7.86539	7.86737	8.55732	1.11E-03	1.78E-04	3.34E-03	1.98E-03	6.60E-03
458	642000.09	4290602.63	642000.09, 429(	5.88957	5.88831	5.88957	6.31709	8.33E-04	1.33E-04	2.50E-03	1.46E-03	4.92E-03
459	642040.09	4290602.63	642040.09, 429(	4.59303	4.59217	4.59303	4.87478	6.49E-04	1.04E-04	1.95E-03	1.13E-03	3.83E-03
460	642080.09	4290602.63	642080.09, 429(	3.6944	3.69379	3.6944	3.88889	5.22E-04	8.35E-05	1.57E-03	8.99E-04	3.07E-03
461	642120.09	4290602.63	642120.09, 429(	3.04449	3.04404	3.04449	3.18358	4.30E-04	6.88E-05	1.29E-03	7.36E-04	2.53E-03
462	642160.09	4290602.63	642160.09, 429(	2.55798	2.55764	2.55798	2.66033	3.62E-04	5.78E-05	1.08E-03	6.15E-04	2.12E-03
463	642200.09	4290602.63	642200.09, 429(	2.18553	2.18526	2.18553	2.26274	3.09E-04	4.94E-05	9.27E-04	5.23E-04	1.81E-03
464	642240.09	4290602.63	642240.09, 429(	1.89124	1.89103	1.89124	1.95056	2.67E-04	4.28E-05	8.02E-04	4.51E-04	1.56E-03
465	642280.09	4290602.63	642280.09, 429(	1.6551	1.65493	1.6551	1.70144	2.34E-04	3.74E-05	7.02E-04	3.93E-04	1.37E-03
466	642320.09	4290602.63	642320.09, 429(	1.46268	1.46254	1.46268	1.4994	2.07E-04	3.31E-05	6.20E-04	3.47E-04	1.21E-03
467	642360.09	4290602.63	642360.09, 429(	1.30357	1.30345	1.30357	1.33304	1.84E-04	2.95E-05	5.53E-04	3.08E-04	1.07E-03
468	642400.09	4290602.63	642400.09, 429(	1.17035	1.17025	1.17035	1.19426	1.65E-04	2.65E-05	4.96E-04	2.76E-04	9.64E-04
469	642440.09	4290602.63	642440.09, 429(	1.05762	1.05753	1.05762	1.0772	1.50E-04	2.39E-05	4.49E-04	2.49E-04	8.71E-04
470	642480.09	4290602.63	642480.09, 429(	0.96127	0.9612	0.96127	0.97745	1.36E-04	2.17E-05	4.08E-04	2.26E-04	7.91E-04
471	642520.09	4290602.63	642520.09, 429(	0.87823	0.87816	0.87823	0.89168	1.24E-04	1.99E-05	3.72E-04	2.06E-04	7.23E-04
472	642560.09	4290602.63	642560.09, 429(	0.80603	0.80598	0.80603	0.8173	1.14E-04	1.82E-05	3.42E-04	1.89E-04	6.63E-04
473	642600.09	4290602.63	642600.09, 429(	0.74239	0.74234	0.74239	0.75186	1.05E-04	1.68E-05	3.15E-04	1.74E-04	6.10E-04
474	641920.09	4290642.63	641920.09, 429(	10.62964	10.62653	10.62964	11.35148	1.50E-03	2.40E-04	4.51E-03	2.62E-03	8.87E-03
475	641960.09	4290642.63	641960.09, 429(	7.59889	7.59704	7.59889	8.08807	1.07E-03	1.72E-04	3.22E-03	1.87E-03	6.34E-03
476	642000.09	4290642.63	642000.09, 429(	5.72833	5.72714	5.72833	6.07088	8.10E-04	1.30E-04	2.43E-03	1.40E-03	4.77E-03
477	642040.09	4290642.63	642040.09, 429(	4.48965	4.48884	4.48965	4.73637	6.35E-04	1.02E-04	1.90E-03	1.09E-03	3.73E-03
478	642080.09	4290642.63	642080.09, 429(	3.62481	3.62422	3.62481	3.80692	5.12E-04	8.20E-05	1.54E-03	8.80E-04	3.01E-03
479	642120.09	4290642.63	642120.09, 429(	2.99548	2.99504	2.99548	3.1327	4.23E-04	6.77E-05	1.27E-03	7.24E-04	2.49E-03
480	642160.09	4290642.63	642160.09, 429(	2.52276	2.52242	2.52276	2.62811	3.57E-04	5.71E-05	1.07E-03	6.07E-04	2.09E-03
481	642200.09	4290642.63	642200.09, 429(	2.15918	2.15892	2.15918	2.24148	3.05E-04	4.88E-05	9.16E-04	5.18E-04	1.79E-03
482	642240.09	4290642.63	642240.09, 429(	1.87107	1.87086	1.87107	1.93618	2.64E-04	4.23E-05	7.93E-04	4.48E-04	1.55E-03
483	642280.09	4290642.63	642280.09, 429(	1.63948	1.63931	1.63948	1.69166	2.32E-04	3.71E-05	6.95E-04	3.91E-04	1.36E-03
484	642320.09	4290642.63	642320.09, 429(	1.45035	1.45021	1.45035	1.49265	2.05E-04	3.28E-05	6.15E-04	3.45E-04	1.20E-03
485	642360.09	4290642.63	642360.09, 429(	1.29371	1.29359	1.29371	1.32835	1.83E-04	2.93E-05	5.49E-04	3.07E-04	1.07E-03
486	642400.09	4290642.63	642400.09, 429(	1.16238	1.16228	1.16238	1.191	1.64E-04	2.63E-05	4.93E-04	2.75E-04	9.59E-04

487	642440.09	4290642.63	642440.09, 429(	1.05109	1.05101	1.05109	1.07493	1.49E-04	2.38E-05	4.46E-04	2.48E-04	8.67E-04
488	642480.09	4290642.63	642480.09, 429(	0.9559	0.95583	0.9559	0.97589	1.35E-04	2.16E-05	4.05E-04	2.26E-04	7.88E-04
489	642520.09	4290642.63	642520.09, 429(	0.87374	0.87368	0.87374	0.89061	1.24E-04	1.98E-05	3.71E-04	2.06E-04	7.20E-04
490	642560.09	4290642.63	642560.09, 429(	0.80227	0.80221	0.80227	0.81658	1.13E-04	1.81E-05	3.40E-04	1.89E-04	6.61E-04
491	642600.09	4290642.63	642600.09, 429(	0.73938	0.73933	0.73938	0.75157	1.05E-04	1.67E-05	3.14E-04	1.74E-04	6.09E-04
492	641920.09	4290682.63	641920.09, 429(	9.8921	9.88948	9.8921	10.05128	1.40E-03	2.24E-04	4.20E-03	2.32E-03	8.14E-03
493	641960.09	4290682.63	641960.09, 429(	7.20467	7.20305	7.20467	7.37633	1.02E-03	1.63E-04	3.06E-03	1.71E-03	5.94E-03
494	642000.09	4290682.63	642000.09, 429(	5.49677	5.49569	5.49677	5.66051	7.77E-04	1.24E-04	2.33E-03	1.31E-03	4.54E-03
495	642040.09	4290682.63	642040.09, 429(	4.3445	4.34375	4.3445	4.48963	6.14E-04	9.82E-05	1.84E-03	1.04E-03	3.59E-03
496	642080.09	4290682.63	642080.09, 429(	3.52916	3.52861	3.52916	3.65284	4.99E-04	7.98E-05	1.50E-03	8.44E-04	2.92E-03
497	642120.09	4290682.63	642120.09, 429(	2.93005	2.92964	2.93005	3.03345	4.14E-04	6.63E-05	1.24E-03	7.01E-04	2.42E-03
498	642160.09	4290682.63	642160.09, 429(	2.47685	2.47653	2.47685	2.56271	3.50E-04	5.60E-05	1.05E-03	5.92E-04	2.05E-03
499	642200.09	4290682.63	642200.09, 429(	2.12584	2.12559	2.12584	2.19714	3.01E-04	4.81E-05	9.02E-04	5.08E-04	1.76E-03
500	642240.09	4290682.63	642240.09, 429(	1.84623	1.84603	1.84623	1.90548	2.61E-04	4.18E-05	7.83E-04	4.40E-04	1.53E-03
501	642280.09	4290682.63	642280.09, 429(	1.62069	1.62052	1.62069	1.67014	2.29E-04	3.67E-05	6.87E-04	3.86E-04	1.34E-03
502	642320.09	4290682.63	642320.09, 429(	1.43589	1.43575	1.43589	1.47738	2.03E-04	3.25E-05	6.09E-04	3.41E-04	1.19E-03
503	642360.09	4290682.63	642360.09, 429(	1.28243	1.28231	1.28243	1.31743	1.81E-04	2.90E-05	5.44E-04	3.05E-04	1.06E-03
504	642400.09	4290682.63	642400.09, 429(	1.15345	1.15335	1.15345	1.18313	1.63E-04	2.61E-05	4.89E-04	2.73E-04	9.52E-04
505	642440.09	4290682.63	642440.09, 429(	1.04394	1.04385	1.04394	1.06922	1.48E-04	2.36E-05	4.43E-04	2.47E-04	8.61E-04
506	642480.09	4290682.63	642480.09, 429(	0.95009	0.95002	0.95009	0.97174	1.34E-04	2.15E-05	4.03E-04	2.25E-04	7.83E-04
507	642520.09	4290682.63	642520.09, 429(	0.86901	0.86894	0.86901	0.88761	1.23E-04	1.97E-05	3.69E-04	2.05E-04	7.16E-04
508	642560.09	4290682.63	642560.09, 429(	0.79838	0.79832	0.79838	0.81443	1.13E-04	1.81E-05	3.39E-04	1.88E-04	6.58E-04
509	642600.09	4290682.63	642600.09, 429(	0.73625	0.7362	0.73625	0.75014	1.04E-04	1.67E-05	3.12E-04	1.73E-04	6.06E-04
510	641920.09	4290722.63	641920.09, 429(	8.90904	8.90695	8.90904	8.84672	1.26E-03	2.01E-04	3.78E-03	2.04E-03	7.28E-03
511	641960.09	4290722.63	641960.09, 429(	6.65865	6.6573	6.65865	6.64127	9.41E-04	1.51E-04	2.82E-03	1.54E-03	5.45E-03
512	642000.09	4290722.63	642000.09, 429(	5.17157	5.17064	5.17157	5.18697	7.31E-04	1.17E-04	2.19E-03	1.20E-03	4.24E-03
513	642040.09	4290722.63	642040.09, 429(	4.1386	4.13794	4.1386	4.17641	5.85E-04	9.36E-05	1.76E-03	9.65E-04	3.40E-03
514	642080.09	4290722.63	642080.09, 429(	3.39247	3.39198	3.39247	3.44207	4.80E-04	7.67E-05	1.44E-03	7.96E-04	2.79E-03
515	642120.09	4290722.63	642120.09, 429(	2.83586	2.83549	2.83586	2.88918	4.01E-04	6.41E-05	1.20E-03	6.68E-04	2.34E-03
516	642160.09	4290722.63	642160.09, 429(	2.41051	2.41022	2.41051	2.46267	3.41E-04	5.45E-05	1.02E-03	5.69E-04	1.99E-03
517	642200.09	4290722.63	642200.09, 429(	2.07782	2.07758	2.07782	2.12637	2.94E-04	4.70E-05	8.81E-04	4.92E-04	1.71E-03
518	642240.09	4290722.63	642240.09, 429(	1.81084	1.81065	1.81084	1.85474	2.56E-04	4.10E-05	7.68E-04	4.29E-04	1.49E-03
519	642280.09	4290722.63	642280.09, 429(	1.59407	1.59391	1.59407	1.63319	2.25E-04	3.61E-05	6.76E-04	3.78E-04	1.31E-03
520	642320.09	4290722.63	642320.09, 429(	1.41559	1.41546	1.41559	1.45018	2.00E-04	3.20E-05	6.00E-04	3.35E-04	1.17E-03
521	642360.09	4290722.63	642360.09, 429(	1.26671	1.26661	1.26671	1.29718	1.79E-04	2.86E-05	5.37E-04	3.00E-04	1.04E-03
522	642400.09	4290722.63	642400.09, 429(	1.14114	1.14105	1.14114	1.16794	1.61E-04	2.58E-05	4.84E-04	2.70E-04	9.41E-04
523	642440.09	4290722.63	642440.09, 429(	1.03421	1.03413	1.03421	1.05777	1.46E-04	2.34E-05	4.39E-04	2.44E-04	8.53E-04
524	642480.09	4290722.63	642480.09, 429(	0.94232	0.94225	0.94232	0.96305	1.33E-04	2.13E-05	4.00E-04	2.23E-04	7.77E-04
525	642520.09	4290722.63	642520.09, 429(	0.86272	0.86266	0.86272	0.88098	1.22E-04	1.95E-05	3.66E-04	2.04E-04	7.11E-04
526	642560.09	4290722.63	642560.09, 429(	0.79327	0.79322	0.79327	0.80937	1.12E-04	1.79E-05	3.36E-04	1.87E-04	6.54E-04
527	642600.09	4290722.63	642600.09, 429(	0.73213	0.73208	0.73213	0.74635	1.03E-04	1.66E-05	3.10E-04	1.73E-04	6.03E-04
528	641920.09	4290762.63	641920.09, 429(	7.94488	7.94316	7.94488	7.81866	1.12E-03	1.80E-04	3.37E-03	1.81E-03	6.48E-03
529	641960.09	4290762.63	641960.09, 429(	6.06155	6.06042	6.06155	5.98912	8.57E-04	1.37E-04	2.57E-03	1.38E-03	4.95E-03
530	642000.09	4290762.63	642000.09, 429(	4.78742	4.78663	4.78742	4.74412	6.77E-04	1.08E-04	2.03E-03	1.10E-03	3.91E-03
531	642040.09	4290762.63	642040.09, 429(	3.88443	3.88385	3.88443	3.86148	5.49E-04	8.78E-05	1.65E-03	8.93E-04	3.18E-03
532	642080.09	4290762.63	642080.09, 429(	3.21889	3.21846	3.21889	3.21319	4.55E-04	7.28E-05	1.37E-03	7.43E-04	2.64E-03
533	642120.09	4290762.63	642120.09, 429(	2.71406	2.71372	2.71406	2.72176	3.84E-04	6.14E-05	1.15E-03	6.29E-04	2.23E-03
534	642160.09	4290762.63	642160.09, 429(	2.32292	2.32266	2.32292	2.33959	3.28E-04	5.25E-05	9.85E-04	5.41E-04	1.91E-03
535	642200.09	4290762.63	642200.09, 429(	2.01323	2.01301	2.01323	2.03498	2.85E-04	4.55E-05	8.54E-04	4.70E-04	1.65E-03
536	642240.09	4290762.63	642240.09, 429(	1.76256	1.76238	1.76256	1.78659	2.49E-04	3.99E-05	7.47E-04	4.13E-04	1.45E-03
537	642280.09	4290762.63	642280.09, 429(	1.55746	1.55732	1.55746	1.58192	2.20E-04	3.52E-05	6.60E-04	3.66E-04	1.28E-03
538	642320.09	4290762.63	642320.09, 429(	1.38747	1.38734	1.38747	1.41125	1.96E-04	3.14E-05	5.88E-04	3.26E-04	1.14E-03
539	642360.09	4290762.63	642360.09, 429(	1.24484	1.24474	1.24484	1.26736	1.76E-04	2.82E-05	5.28E-04	2.93E-04	1.02E-03
540	642400.09	4290762.63	642400.09, 429(	1.12396	1.12387	1.12396	1.14492	1.59E-04	2.54E-05	4.77E-04	2.65E-04	9.26E-04
541	642440.09	4290762.63	642440.09, 429(	1.02055	1.02048	1.02055	1.03986	1.44E-04	2.31E-05	4.33E-04	2.40E-04	8.40E-04
542	642480.09	4290762.63	642480.09, 429(	0.93134	0.93128	0.93134	0.949	1.32E-04	2.11E-05	3.95E-04	2.19E-04	7.67E-04
543	642520.09	4290762.63	642520.09, 429(	0.85386	0.8538	0.85386	0.86993	1.21E-04	1.93E-05	3.62E-04	2.01E-04	7.03E-04
544	642560.09	4290762.63	642560.09, 429(	0.78606	0.78601	0.78606	0.80064	1.11E-04	1.78E-05	3.33E-04	1.85E-04	6.47E-04
545	642600.09	4290762.63	642600.09, 429(	0.72628	0.72624	0.72628	0.73949	1.03E-04	1.64E-05	3.08E-04	1.71E-04	5.98E-04
546	641920.09	4290802.63	641920.09, 429(	7.09017	7.08876	7.09017	6.93636	1.00E-03	1.60E-04	3.01E-03	1.60E-03	5.77E-03
547	641960.09	4290802.63	641960.09, 429(	5.5066	5.50564	5.5066	5.41597	7.78E-04	1.25E-04	2.34E-03	1.25E-03	4.49E-03
548	642000.09	4290802.63	642000.09, 429(	4.40993	4.40925	4.40993	4.35179	6.23E-04	9.97E-05	1.87E-03	1.01E-03	3.60E-03
549	642040.09	4290802.63	642040.09, 429(	3.61842	3.61791	3.61842	3.57734	5.11E-04	8.18E-05	1.53E-03	8.27E-04	2.95E-03
550	642080.09	4290802.63	642080.09, 429(	3.02805	3.02766	3.02805	2.99851	4.28E-04	6.85E-05	1.28E-03	6.93E-04	2.47E-03
551	642120.09	4290802.63	642120.09, 429(	2.5748	2.5745	2.5748	2.55561	3.64E-04	5.82E-05	1.09E-03	5.91E-04	2.10E-03
552	642160.09	4290802.63	642160.09, 429(	2.21972	2.21948	2.21972	2.21014	3.14E-04	5.02E-05	9.41E-04	5.11E-04	1.82E-03
553	642200.09	4290802.63	642200.09, 429(	1.93533	1.93513	1.93533	1.93382	2.74E-04	4.38E-05	8.21E-04	4.47E-04	1.59E-03
554	642240.09	4290802.63	642240.09, 429(	1.70315	1.70299	1.70315	1.70775	2.41E-04	3.85E-05	7.22E-04	3.95E-04	1.40E-03
555	642280.09	4290802.63	642280.09, 429(	1.51159	1.51146	1.51159	1.52037	2.14E-04	3.42E-05	6.41E-04	3.51E-04	1.24E-03
556	642320.09	4290802.63	642320.09, 429(	1.35165	1.35153	1.35165	1.36304	1.91E-04	3.06E-05	5.73E-04	3.15E-04	1.11E-03
557	642360.09	4290802.63	642360.09, 429(	1.21658	1.21649	1.21658	1.22941	1.72E-04	2.75E-05	5.16E-04	2.84E-04	1.00E-03

558	642400.09	4290802.63	642400.09, 429(	1.10147	1.10138	1.10147	1.11488	1.56E-04	2.49E-05	4.67E-04	2.58E-04	9.05E-04
559	642440.09	4290802.63	642440.09, 429(	1.00249	1.00242	1.00249	1.01593	1.42E-04	2.27E-05	4.25E-04	2.35E-04	8.24E-04
560	642480.09	4290802.63	642480.09, 429(	0.91676	0.9167	0.91676	0.92986	1.30E-04	2.07E-05	3.89E-04	2.15E-04	7.54E-04
561	642520.09	4290802.63	642520.09, 429(	0.84199	0.84193	0.84199	0.85453	1.19E-04	1.90E-05	3.57E-04	1.98E-04	6.93E-04
562	642560.09	4290802.63	642560.09, 429(	0.77633	0.77628	0.77633	0.7882	1.10E-04	1.76E-05	3.29E-04	1.82E-04	6.39E-04
563	642600.09	4290802.63	642600.09, 429(	0.71828	0.71824	0.71828	0.72942	1.02E-04	1.62E-05	3.05E-04	1.69E-04	5.91E-04
564	641920.09	4290842.63	641920.09, 429(	6.3532	6.35203	6.3532	6.18313	8.98E-04	1.44E-04	2.69E-03	1.43E-03	5.17E-03
565	641960.09	4290842.63	641960.09, 429(	5.01605	5.01523	5.01605	4.91377	7.09E-04	1.13E-04	2.13E-03	1.14E-03	4.09E-03
566	642000.09	4290842.63	642000.09, 429(	4.0655	4.06491	4.0655	4.00115	5.75E-04	9.19E-05	1.72E-03	9.25E-04	3.32E-03
567	642040.09	4290842.63	642040.09, 429(	3.36907	3.36863	3.36907	3.32453	4.76E-04	7.62E-05	1.43E-03	7.68E-04	2.75E-03
568	642080.09	4290842.63	642080.09, 429(	2.84165	2.84131	2.84165	2.80719	4.02E-04	6.43E-05	1.21E-03	6.49E-04	2.32E-03
569	642120.09	4290842.63	642120.09, 429(	2.43215	2.43188	2.43215	2.40415	3.44E-04	5.50E-05	1.03E-03	5.56E-04	1.99E-03
570	642160.09	4290842.63	642160.09, 429(	2.11017	2.10995	2.11017	2.08802	2.98E-04	4.77E-05	8.95E-04	4.83E-04	1.72E-03
571	642200.09	4290842.63	642200.09, 429(	1.85016	1.84998	1.85016	1.83415	2.62E-04	4.18E-05	7.85E-04	4.24E-04	1.51E-03
572	642240.09	4290842.63	642240.09, 429(	1.63644	1.63629	1.63644	1.62644	2.31E-04	3.70E-05	6.94E-04	3.76E-04	1.34E-03
573	642280.09	4290842.63	642280.09, 429(	1.45891	1.45879	1.45891	1.45424	2.06E-04	3.30E-05	6.19E-04	3.36E-04	1.19E-03
574	642320.09	4290842.63	642320.09, 429(	1.30969	1.30958	1.30969	1.30933	1.85E-04	2.96E-05	5.55E-04	3.03E-04	1.07E-03
575	642360.09	4290842.63	642360.09, 429(	1.18293	1.18284	1.18293	1.18584	1.67E-04	2.68E-05	5.02E-04	2.74E-04	9.70E-04
576	642400.09	4290842.63	642400.09, 429(	1.07428	1.0742	1.07428	1.07951	1.52E-04	2.43E-05	4.56E-04	2.50E-04	8.81E-04
577	642440.09	4290842.63	642440.09, 429(	0.98039	0.98032	0.98039	0.98716	1.39E-04	2.22E-05	4.16E-04	2.28E-04	8.05E-04
578	642480.09	4290842.63	642480.09, 429(	0.89868	0.89862	0.89868	0.90638	1.27E-04	2.03E-05	3.81E-04	2.10E-04	7.38E-04
579	642520.09	4290842.63	642520.09, 429(	0.8271	0.82705	0.8271	0.8353	1.17E-04	1.87E-05	3.51E-04	1.93E-04	6.79E-04
580	642560.09	4290842.63	642560.09, 429(	0.76398	0.76394	0.76398	0.77235	1.08E-04	1.73E-05	3.24E-04	1.79E-04	6.28E-04
581	642600.09	4290842.63	642600.09, 429(	0.70809	0.70805	0.70809	0.71641	1.00E-04	1.60E-05	3.00E-04	1.66E-04	5.82E-04
582	641920.09	4290882.63	641920.09, 429(	5.69839	5.69742	5.69839	5.52706	8.06E-04	1.29E-04	2.42E-03	1.28E-03	4.63E-03
583	641960.09	4290882.63	641960.09, 429(	4.57402	4.57332	4.57402	4.46553	6.47E-04	1.03E-04	1.94E-03	1.03E-03	3.72E-03
584	642000.09	4290882.63	642000.09, 429(	3.75504	3.75452	3.75504	3.68395	5.31E-04	8.49E-05	1.59E-03	8.52E-04	3.06E-03
585	642040.09	4290882.63	642040.09, 429(	3.14044	3.14005	3.14044	3.09328	4.44E-04	7.10E-05	1.33E-03	7.15E-04	2.56E-03
586	642080.09	4290882.63	642080.09, 429(	2.66925	2.66894	2.66925	2.63478	3.77E-04	6.04E-05	1.13E-03	6.09E-04	2.18E-03
587	642120.09	4290882.63	642120.09, 429(	2.30054	2.30029	2.30054	2.27202	3.25E-04	5.20E-05	9.76E-04	5.25E-04	1.88E-03
588	642160.09	4290882.63	642160.09, 429(	2.0032	2.003	2.0032	1.97852	2.83E-04	4.53E-05	8.50E-04	4.57E-04	1.64E-03
589	642200.09	4290882.63	642200.09, 429(	1.76414	1.76398	1.76414	1.74275	2.49E-04	3.99E-05	7.48E-04	4.03E-04	1.44E-03
590	642240.09	4290882.63	642240.09, 429(	1.56707	1.56694	1.56707	1.54947	2.22E-04	3.54E-05	6.65E-04	3.58E-04	1.28E-03
591	642280.09	4290882.63	642280.09, 429(	1.4027	1.40258	1.4027	1.38925	1.98E-04	3.17E-05	5.95E-04	3.21E-04	1.15E-03
592	642320.09	4290882.63	642320.09, 429(	1.26391	1.26382	1.26391	1.25459	1.79E-04	2.86E-05	5.36E-04	2.90E-04	1.03E-03
593	642360.09	4290882.63	642360.09, 429(	1.14548	1.1454	1.14548	1.13991	1.62E-04	2.59E-05	4.86E-04	2.63E-04	9.37E-04
594	642400.09	4290882.63	642400.09, 429(	1.04353	1.04346	1.04353	1.04112	1.48E-04	2.36E-05	4.43E-04	2.41E-04	8.54E-04
595	642440.09	4290882.63	642440.09, 429(	0.95502	0.95496	0.95502	0.95514	1.35E-04	2.16E-05	4.05E-04	2.21E-04	7.82E-04
596	642480.09	4290882.63	642480.09, 429(	0.87764	0.87758	0.87764	0.87968	1.24E-04	1.98E-05	3.72E-04	2.03E-04	7.19E-04
597	642520.09	4290882.63	642520.09, 429(	0.80958	0.80953	0.80958	0.81301	1.14E-04	1.83E-05	3.43E-04	1.88E-04	6.64E-04
598	642560.09	4290882.63	642560.09, 429(	0.74935	0.7493	0.74935	0.75375	1.06E-04	1.69E-05	3.18E-04	1.74E-04	6.15E-04
599	642600.09	4290882.63	642600.09, 429(	0.69578	0.69574	0.69578	0.70081	9.84E-05	1.57E-05	2.95E-04	1.62E-04	5.71E-04
600	641450.64	4290754.44	641450.64, 429(	6.23342	6.23479	6.23342	5.66375	8.81E-04	1.41E-04	2.64E-03	1.31E-03	4.97E-03
601	641490.64	4290754.44	641490.64, 429(	8.39303	8.39522	8.39303	7.55045	1.19E-03	1.90E-04	3.56E-03	1.75E-03	6.68E-03
602	641530.64	4290754.44	641530.64, 429(	11.98376	11.98752	11.98376	10.59006	1.69E-03	2.71E-04	5.08E-03	2.45E-03	9.50E-03
603	641570.64	4290754.44	641570.64, 429(	18.16254	18.16924	18.16254	15.54421	2.57E-03	4.11E-04	7.70E-03	3.59E-03	1.43E-02
604	641610.64	4290754.44	641610.64, 429(	28.76942	28.78097	28.76942	23.21355	4.07E-03	6.51E-04	1.22E-02	5.37E-03	2.23E-02
605	641650.64	4290754.44	641650.64, 429(	43.85558	43.87113	43.85558	32.76409	6.20E-03	9.92E-04	1.86E-02	7.57E-03	3.34E-02
606	641450.64	4290794.44	641450.64, 429(	6.4616	6.46305	6.4616	5.85015	9.13E-04	1.46E-04	2.74E-03	1.35E-03	5.15E-03
607	641490.64	4290794.44	641490.64, 429(	8.72214	8.72441	8.72214	7.79291	1.23E-03	1.97E-04	3.70E-03	1.80E-03	6.93E-03
608	641530.64	4290794.44	641530.64, 429(	12.26082	12.26446	12.26082	10.72863	1.73E-03	2.77E-04	5.20E-03	2.48E-03	9.69E-03
609	641570.64	4290794.44	641570.64, 429(	17.68473	17.69037	17.68473	14.98518	2.50E-03	4.00E-04	7.50E-03	3.46E-03	1.39E-02
610	641610.64	4290794.44	641610.64, 429(	25.13329	25.14096	25.13329	20.38307	3.55E-03	5.69E-04	1.07E-02	4.71E-03	1.95E-02
611	641650.64	4290794.44	641650.64, 429(	33.00361	33.01134	33.00361	25.61105	4.67E-03	7.47E-04	1.40E-02	5.92E-03	2.53E-02
612	641450.64	4290834.44	641450.64, 429(	6.63085	6.63231	6.63085	5.99081	9.37E-04	1.50E-04	2.81E-03	1.38E-03	5.28E-03
613	641490.64	4290834.44	641490.64, 429(	8.82742	8.82959	8.82742	7.87011	1.25E-03	2.00E-04	3.74E-03	1.82E-03	7.01E-03
614	641530.64	4290834.44	641530.64, 429(	11.97552	11.97867	11.97552	10.47628	1.69E-03	2.71E-04	5.08E-03	2.42E-03	9.46E-03
615	641570.64	4290834.44	641570.64, 429(	16.19775	16.20197	16.19775	13.79055	2.29E-03	3.66E-04	6.87E-03	3.19E-03	1.27E-02
616	641610.64	4290834.44	641610.64, 429(	21.05121	21.05601	21.05121	17.34952	2.98E-03	4.76E-04	8.93E-03	4.01E-03	1.64E-02
617	641650.64	4290834.44	641650.64, 429(	25.11969	25.12367	25.11969	20.16811	3.55E-03	5.68E-04	1.07E-02	4.66E-03	1.94E-02
618	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

629	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Operational Concentration - Fueling (Propylene)

	Loading	Breathing	Fueling + Hose Permeation	Spillage
Emissions Rate (g/s):	2.79E-07	4.47E-08	8.37E-07	1.52E-08

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s				Unmitigated				
	X	Y	X, Y	Loading	Breathing	Fueling + Hose Permeation	Spillage	Loading	Breathing	Fueling + Hose Permeation	Spillage	Total
1	641284.31	4290506.68	641284.31, 429(	2.28914	2.2894	2.28914	2.24887	6.39E-07	1.02E-07	1.92E-06	3.41E-08	2.69E-06
2	641324.31	4290506.68	641324.31, 429(	2.67219	2.67251	2.67219	2.62615	7.46E-07	1.19E-07	2.24E-06	3.98E-08	3.14E-06
3	641364.31	4290506.68	641364.31, 429(	3.16658	3.167	3.16658	3.11376	8.84E-07	1.41E-07	2.65E-06	4.72E-08	3.72E-06
4	641404.31	4290506.68	641404.31, 429(	3.81615	3.81671	3.81615	3.75744	1.07E-06	1.70E-07	3.20E-06	5.70E-08	4.49E-06
5	641284.31	4290546.68	641284.31, 429(	2.37419	2.37447	2.37419	2.30269	6.63E-07	1.06E-07	1.99E-06	3.49E-08	2.79E-06
6	641324.31	4290546.68	641324.31, 429(	2.78725	2.78761	2.78725	2.6998	7.78E-07	1.25E-07	2.33E-06	4.09E-08	3.28E-06
7	641364.31	4290546.68	641364.31, 429(	3.33085	3.33132	3.33085	3.22046	9.30E-07	1.49E-07	2.79E-06	4.88E-08	3.92E-06
8	641404.31	4290546.68	641404.31, 429(	4.0608	4.06145	4.0608	3.9179	1.13E-06	1.81E-07	3.40E-06	5.94E-08	4.78E-06
9	641284.31	4290586.68	641284.31, 429(	2.44038	2.44068	2.44038	2.33928	6.81E-07	1.09E-07	2.04E-06	3.55E-08	2.87E-06
10	641324.31	4290586.68	641324.31, 429(	2.87714	2.87753	2.87714	2.74864	8.03E-07	1.29E-07	2.41E-06	4.17E-08	3.38E-06
11	641364.31	4290586.68	641364.31, 429(	3.4544	3.45492	3.4544	3.28594	9.64E-07	1.54E-07	2.89E-06	4.98E-08	4.06E-06
12	641404.31	4290586.68	641404.31, 429(	4.23507	4.23579	4.23507	4.00821	1.18E-06	1.89E-07	3.55E-06	6.08E-08	4.98E-06
13	641284.31	4290626.68	641284.31, 429(	2.49133	2.49164	2.49133	2.36987	6.95E-07	1.11E-07	2.09E-06	3.59E-08	2.93E-06
14	641324.31	4290626.68	641324.31, 429(	2.9374	2.93781	2.9374	2.78263	8.20E-07	1.31E-07	2.46E-06	4.22E-08	3.45E-06
15	641364.31	4290626.68	641364.31, 429(	3.53272	3.53327	3.53272	3.32778	9.86E-07	1.58E-07	2.96E-06	5.05E-08	4.15E-06
16	641404.31	4290626.68	641404.31, 429(	4.33498	4.33574	4.33498	4.05774	1.21E-06	1.94E-07	3.63E-06	6.15E-08	5.10E-06
17	641284.31	4290666.68	641284.31, 429(	2.5318	2.53213	2.5318	2.39596	7.07E-07	1.13E-07	2.12E-06	3.63E-08	2.98E-06
18	641324.31	4290666.68	641324.31, 429(	2.98996	2.99039	2.98996	2.81501	8.35E-07	1.34E-07	2.50E-06	4.27E-08	3.51E-06
19	641364.31	4290666.68	641364.31, 429(	3.60758	3.60815	3.60758	3.37189	1.01E-06	1.61E-07	3.02E-06	5.11E-08	4.24E-06
20	641404.31	4290666.68	641404.31, 429(	4.42784	4.42863	4.42784	4.11052	1.24E-06	1.98E-07	3.71E-06	6.23E-08	5.20E-06
21	641284.31	4290706.68	641284.31, 429(	2.56649	2.56683	2.56649	2.41563	7.16E-07	1.15E-07	2.15E-06	3.66E-08	3.02E-06
22	641324.31	4290706.68	641324.31, 429(	3.03692	3.03736	3.03692	2.8413	8.48E-07	1.36E-07	2.54E-06	4.31E-08	3.57E-06
23	641364.31	4290706.68	641364.31, 429(	3.67397	3.67455	3.67397	3.40921	1.03E-06	1.64E-07	3.08E-06	5.17E-08	4.32E-06
24	641404.31	4290706.68	641404.31, 429(	4.52911	4.52993	4.52911	4.17204	1.26E-06	2.02E-07	3.79E-06	6.33E-08	5.32E-06
25	641284.31	4290746.68	641284.31, 429(	2.60298	2.60332	2.60298	2.43528	7.27E-07	1.16E-07	2.18E-06	3.69E-08	3.06E-06
26	641324.31	4290746.68	641324.31, 429(	3.08236	3.08281	3.08236	2.86816	8.60E-07	1.38E-07	2.58E-06	4.35E-08	3.62E-06
27	641364.31	4290746.68	641364.31, 429(	3.73756	3.73816	3.73756	3.45213	1.04E-06	1.67E-07	3.13E-06	5.23E-08	4.39E-06
28	641404.31	4290746.68	641404.31, 429(	4.63986	4.64072	4.63986	4.2535	1.30E-06	2.07E-07	3.89E-06	6.45E-08	5.45E-06
29	641284.31	4290786.68	641284.31, 429(	2.64338	2.64373	2.64338	2.46181	7.38E-07	1.18E-07	2.21E-06	3.73E-08	3.11E-06
30	641324.31	4290786.68	641324.31, 429(	3.13751	3.13798	3.13751	2.9096	8.76E-07	1.40E-07	2.63E-06	4.41E-08	3.69E-06
31	641364.31	4290786.68	641364.31, 429(	3.81428	3.81491	3.81428	3.51655	1.06E-06	1.70E-07	3.19E-06	5.33E-08	4.48E-06
32	641404.31	4290786.68	641404.31, 429(	4.7682	4.7691	4.7682	4.36265	1.33E-06	2.13E-07	3.99E-06	6.61E-08	5.60E-06
33	641284.31	4290826.68	641284.31, 429(	2.6908	2.69116	2.6908	2.50011	7.51E-07	1.20E-07	2.25E-06	3.79E-08	3.16E-06
34	641324.31	4290826.68	641324.31, 429(	3.20671	3.20719	3.20671	2.9688	8.95E-07	1.43E-07	2.69E-06	4.50E-08	3.77E-06
35	641364.31	4290826.68	641364.31, 429(	3.90636	3.90702	3.90636	3.59923	1.09E-06	1.75E-07	3.27E-06	5.46E-08	4.59E-06
36	641404.31	4290826.68	641404.31, 429(	4.90472	4.90565	4.90472	4.48191	1.37E-06	2.19E-07	4.11E-06	6.80E-08	5.76E-06
37	641284.31	4290866.68	641284.31, 429(	2.74392	2.74429	2.74392	2.54817	7.66E-07	1.23E-07	2.30E-06	3.86E-08	3.23E-06
38	641324.31	4290866.68	641324.31, 429(	3.28208	3.28258	3.28208	3.03603	9.16E-07	1.47E-07	2.75E-06	4.60E-08	3.86E-06
39	641364.31	4290866.68	641364.31, 429(	4.00655	4.00723	4.00655	3.68715	1.12E-06	1.79E-07	3.36E-06	5.59E-08	4.71E-06
40	641404.31	4290866.68	641404.31, 429(	5.02308	5.02404	5.02308	4.58414	1.40E-06	2.24E-07	4.21E-06	6.95E-08	5.90E-06
41	641268.28	4290889.76	641268.28, 429(	2.59465	2.59499	2.59465	2.41318	7.24E-07	1.16E-07	2.17E-06	3.66E-08	3.05E-06
42	641308.28	4290889.76	641308.28, 429(	3.08807	3.08852	3.08807	2.85972	8.62E-07	1.38E-07	2.59E-06	4.34E-08	3.63E-06
43	641348.28	4290889.76	641348.28, 429(	3.73698	3.73759	3.73698	3.44498	1.04E-06	1.67E-07	3.13E-06	5.22E-08	4.39E-06
44	641388.28	4290889.76	641388.28, 429(	4.62282	4.62365	4.62282	4.23368	1.29E-06	2.07E-07	3.87E-06	6.42E-08	5.43E-06
45	641428.28	4290889.76	641428.28, 429(	5.83259	5.83374	5.83259	5.29918	1.63E-06	2.61E-07	4.88E-06	8.03E-08	6.85E-06
46	641468.28	4290889.76	641468.28, 429(	7.45425	7.45582	7.45425	6.71314	2.08E-06	3.33E-07	6.24E-06	1.02E-07	8.76E-06
47	641508.28	4290889.76	641508.28, 429(	9.5641	9.56614	9.5641	8.50921	2.67E-06	4.27E-07	8.01E-06	1.29E-07	1.12E-05
48	641548.28	4290889.76	641548.28, 429(	12.10557	12.10804	12.10557	10.588	3.38E-06	5.41E-07	1.01E-05	1.61E-07	1.42E-05
49	641588.28	4290889.76	641588.28, 429(	14.78987	14.79248	14.78987	12.6611	4.13E-06	6.61E-07	1.24E-05	1.92E-07	1.74E-05
50	641628.28	4290889.76	641628.28, 429(	17.04372	17.04593	17.04372	14.29707	4.76E-06	7.61E-07	1.43E-05	2.17E-07	2.00E-05
51	642188.28	4290889.76	642188.28, 429(	1.8141	1.81393	1.8141	1.79156	5.06E-07	8.10E-08	1.52E-06	2.72E-08	2.13E-06
52	642228.28	4290889.76	642228.28, 429(	1.60832	1.60819	1.60832	1.589	4.49E-07	7.18E-08	1.35E-06	2.41E-08	1.89E-06
53	642268.28	4290889.76	642268.28, 429(	1.43746	1.43734	1.43746	1.42185	4.01E-07	6.42E-08	1.20E-06	2.16E-08	1.69E-06
54	642308.28	4290889.76	642308.28, 429(	1.29357	1.29347	1.29357	1.28191	3.61E-07	5.78E-08	1.08E-06	1.94E-08	1.52E-06
55	642348.28	4290889.76	642348.28, 429(	1.17114	1.17105	1.17114	1.16327	3.27E-07	5.23E-08	9.81E-07	1.76E-08	1.38E-06
56	642388.28	4290889.76	642388.28, 429(	1.06597	1.06589	1.06597	1.06146	2.98E-07	4.76E-08	8.93E-07	1.61E-08	1.25E-06
57	642428.28	4290889.76	642428.28, 429(	0.97484	0.97477	0.97484	0.97313	2.72E-07	4.35E-08	8.16E-07	1.48E-08	1.15E-06
58	641268.28	4290929.76	641268.28, 429(	2.64585	2.6462	2.64585	2.46002	7.39E-07	1.18E-07	2.22E-06	3.73E-08	3.11E-06
59	641308.28	4290929.76	641308.28, 429(	3.15136	3.15182	3.15136	2.9161	8.80E-07	1.41E-07	2.64E-06	4.42E-08	3.70E-06
60	641348.28	4290929.76	641348.28, 429(	3.80527	3.80588	3.80527	3.50607	1.06E-06	1.70E-07	3.19E-06	5.32E-08	4.47E-06

61	641388.28	4290929.76	641388.28, 429(	4.66994	4.67075	4.66994	4.28051	1.30E-06	2.09E-07	3.91E-06	6.49E-08	5.49E-06
62	641428.28	4290929.76	641428.28, 429(	5.79894	5.8	5.79894	5.28453	1.62E-06	2.59E-07	4.86E-06	8.01E-08	6.81E-06
63	641468.28	4290929.76	641468.28, 429(	7.2232	7.22456	7.2232	6.53805	2.02E-06	3.23E-07	6.05E-06	9.91E-08	8.49E-06
64	641508.28	4290929.76	641508.28, 429(	8.93237	8.93401	8.93237	8.00344	2.49E-06	3.99E-07	7.48E-06	1.21E-07	1.05E-05
65	641548.28	4290929.76	641548.28, 429(	10.80265	10.80445	10.80265	9.53881	3.02E-06	4.83E-07	9.05E-06	1.45E-07	1.27E-05
66	641588.28	4290929.76	641588.28, 429(	12.57157	12.5733	12.57157	10.9114	3.51E-06	5.62E-07	1.05E-05	1.65E-07	1.48E-05
67	641628.28	4290929.76	641628.28, 429(	13.87408	13.8754	13.87408	11.86802	3.87E-06	6.20E-07	1.16E-05	1.80E-07	1.63E-05
68	642188.28	4290929.76	642188.28, 429(	1.72638	1.72622	1.72638	1.70506	4.82E-07	7.71E-08	1.45E-06	2.59E-08	2.03E-06
69	642228.28	4290929.76	642228.28, 429(	1.53536	1.53523	1.53536	1.5157	4.29E-07	6.86E-08	1.29E-06	2.30E-08	1.81E-06
70	642268.28	4290929.76	642268.28, 429(	1.37694	1.37683	1.37694	1.35907	3.84E-07	6.15E-08	1.15E-06	2.06E-08	1.62E-06
71	642308.28	4290929.76	642308.28, 429(	1.24301	1.24292	1.24301	1.22746	3.47E-07	5.55E-08	1.04E-06	1.86E-08	1.46E-06
72	642348.28	4290929.76	642348.28, 429(	1.12868	1.1286	1.12868	1.11586	3.15E-07	5.04E-08	9.45E-07	1.69E-08	1.33E-06
73	642388.28	4290929.76	642388.28, 429(	1.03034	1.03027	1.03034	1.02039	2.88E-07	4.60E-08	8.63E-07	1.55E-08	1.21E-06
74	642428.28	4290929.76	642428.28, 429(	0.94505	0.94499	0.94505	0.93786	2.64E-07	4.22E-08	7.91E-07	1.42E-08	1.11E-06
75	641268.28	4290969.76	641268.28, 429(	2.69306	2.69342	2.69306	2.5027	7.52E-07	1.20E-07	2.26E-06	3.79E-08	3.17E-06
76	641308.28	4290969.76	641308.28, 429(	3.19864	3.1991	3.19864	2.96024	8.93E-07	1.43E-07	2.68E-06	4.49E-08	3.76E-06
77	641348.28	4290969.76	641348.28, 429(	3.84004	3.84064	3.84004	3.54223	1.07E-06	1.72E-07	3.22E-06	5.37E-08	4.51E-06
78	641388.28	4290969.76	641388.28, 429(	4.65507	4.65583	4.65507	4.28044	1.30E-06	2.08E-07	3.90E-06	6.49E-08	5.47E-06
79	641428.28	4290969.76	641428.28, 429(	5.66695	5.6679	5.66695	5.19114	1.58E-06	2.53E-07	4.75E-06	7.87E-08	6.66E-06
80	641468.28	4290969.76	641468.28, 429(	6.86794	6.86908	6.86794	6.25679	1.92E-06	3.07E-07	5.75E-06	9.49E-08	8.07E-06
81	641508.28	4290969.76	641508.28, 429(	8.2055	8.20678	8.2055	7.40735	2.29E-06	3.67E-07	6.87E-06	1.12E-07	9.64E-06
82	641548.28	4290969.76	641548.28, 429(	9.55044	9.55174	9.55044	8.51132	2.67E-06	4.27E-07	8.00E-06	1.29E-07	1.12E-05
83	641588.28	4290969.76	641588.28, 429(	10.70898	10.71013	10.70898	9.40958	2.99E-06	4.78E-07	8.97E-06	1.43E-07	1.26E-05
84	641628.28	4290969.76	641628.28, 429(	11.45991	11.46073	11.45991	9.96399	3.20E-06	5.12E-07	9.60E-06	1.51E-07	1.35E-05
85	641668.28	4290969.76	641668.28, 429(	11.62213	11.62246	11.62213	10.08546	3.24E-06	5.19E-07	9.73E-06	1.53E-07	1.36E-05
86	641708.28	4290969.76	641708.28, 429(	11.11782	11.11759	11.11782	9.73205	3.10E-06	4.97E-07	9.31E-06	1.48E-07	1.31E-05
87	641748.28	4290969.76	641748.28, 429(	10.0351	10.03442	10.0351	8.94013	2.80E-06	4.48E-07	8.40E-06	1.36E-07	1.18E-05
88	641788.28	4290969.76	641788.28, 429(	8.62011	8.61919	8.62011	7.86025	2.41E-06	3.85E-07	7.22E-06	1.19E-07	1.01E-05
89	641828.28	4290969.76	641828.28, 429(	7.16553	7.16459	7.16553	6.6929	2.00E-06	3.20E-07	6.00E-06	1.01E-07	8.42E-06
90	641868.28	4290969.76	641868.28, 429(	5.87668	5.87586	5.87668	5.59229	1.64E-06	2.62E-07	4.92E-06	8.48E-08	6.91E-06
91	641908.28	4290969.76	641908.28, 429(	4.8181	4.81742	4.8181	4.63892	1.34E-06	2.15E-07	4.03E-06	7.03E-08	5.67E-06
92	641948.28	4290969.76	641948.28, 429(	3.98329	3.98276	3.98329	3.86069	1.11E-06	1.78E-07	3.34E-06	5.85E-08	4.68E-06
93	642188.28	4290969.76	642188.28, 429(	1.64462	1.64448	1.64462	1.62506	4.59E-07	7.34E-08	1.38E-06	2.46E-08	1.93E-06
94	642228.28	4290969.76	642228.28, 429(	1.4674	1.46728	1.4674	1.44957	4.10E-07	6.55E-08	1.23E-06	2.20E-08	1.73E-06
95	642268.28	4290969.76	642268.28, 429(	1.3201	1.31999	1.3201	1.30314	3.69E-07	5.90E-08	1.11E-06	1.98E-08	1.55E-06
96	642308.28	4290969.76	642308.28, 429(	1.19495	1.19486	1.19495	1.17897	3.34E-07	5.34E-08	1.00E-06	1.79E-08	1.41E-06
97	642348.28	4290969.76	642348.28, 429(	1.08742	1.08735	1.08742	1.07285	3.04E-07	4.86E-08	9.11E-07	1.63E-08	1.28E-06
98	642388.28	4290969.76	642388.28, 429(	0.9946	0.99454	0.9946	0.98186	2.78E-07	4.44E-08	8.33E-07	1.49E-08	1.17E-06
99	642428.28	4290969.76	642428.28, 429(	0.91426	0.9142	0.91426	0.9036	2.55E-07	4.08E-08	7.66E-07	1.37E-08	1.08E-06
100	641268.28	4291009.76	641268.28, 4291	2.72858	2.72894	2.72858	2.5363	7.62E-07	1.22E-07	2.29E-06	3.85E-08	3.21E-06
101	641308.28	4291009.76	641308.28, 4291	3.22289	3.22334	3.22289	2.98764	9.00E-07	1.44E-07	2.70E-06	4.53E-08	3.79E-06
102	641348.28	4291009.76	641348.28, 4291	3.83519	3.83576	3.83519	3.54851	1.07E-06	1.71E-07	3.21E-06	5.38E-08	4.51E-06
103	641388.28	4291009.76	641388.28, 4291	4.57805	4.57874	4.57805	4.23055	1.28E-06	2.05E-07	3.83E-06	6.41E-08	5.38E-06
104	641428.28	4291009.76	641428.28, 4291	5.45476	5.45558	5.45476	5.02792	1.52E-06	2.44E-07	4.57E-06	7.62E-08	6.41E-06
105	641468.28	4291009.76	641468.28, 4291	6.4371	6.43803	6.4371	5.90318	1.80E-06	2.88E-07	5.39E-06	8.95E-08	7.56E-06
106	641508.28	4291009.76	641508.28, 4291	7.46047	7.46145	7.46047	6.78207	2.08E-06	3.33E-07	6.25E-06	1.03E-07	8.77E-06
107	641548.28	4291009.76	641548.28, 4291	8.41614	8.41707	8.41614	7.56265	2.35E-06	3.76E-07	7.05E-06	1.15E-07	9.89E-06
108	641588.28	4291009.76	641588.28, 4291	9.17186	9.17264	9.17186	8.1465	2.56E-06	4.10E-07	7.68E-06	1.24E-07	1.08E-05
109	641628.28	4291009.76	641628.28, 4291	9.59993	9.60045	9.59993	8.46218	2.68E-06	4.29E-07	8.04E-06	1.28E-07	1.13E-05
110	641668.28	4291009.76	641668.28, 4291	9.60751	9.60768	9.60751	8.4665	2.68E-06	4.29E-07	8.05E-06	1.28E-07	1.13E-05
111	641708.28	4291009.76	641708.28, 4291	9.1673	9.1671	9.1673	8.14053	2.56E-06	4.09E-07	7.68E-06	1.23E-07	1.08E-05
112	641748.28	4291009.76	641748.28, 4291	8.34683	8.34632	8.34683	7.51531	2.33E-06	3.73E-07	6.99E-06	1.14E-07	9.81E-06
113	641788.28	4291009.76	641788.28, 4291	7.29983	7.29916	7.29983	6.69239	2.04E-06	3.26E-07	6.11E-06	1.01E-07	8.58E-06
114	641828.28	4291009.76	641828.28, 4291	6.20016	6.19945	6.20016	5.79822	1.73E-06	2.77E-07	5.19E-06	8.79E-08	7.29E-06
115	641868.28	4291009.76	641868.28, 4291	5.193	5.19235	5.193	4.9397	1.45E-06	2.32E-07	4.35E-06	7.49E-08	6.11E-06
116	641908.28	4291009.76	641908.28, 4291	4.33631	4.33576	4.33631	4.17244	1.21E-06	1.94E-07	3.63E-06	6.33E-08	5.10E-06
117	641948.28	4291009.76	641948.28, 4291	3.63912	3.63867	3.63912	3.52449	1.02E-06	1.63E-07	3.05E-06	5.34E-08	4.28E-06
118	642188.28	4291009.76	642188.28, 4291	1.56955	1.56942	1.56955	1.55039	4.38E-07	7.01E-08	1.31E-06	2.35E-08	1.85E-06
119	642228.28	4291009.76	642228.28, 4291	1.40547	1.40536	1.40547	1.38917	3.92E-07	6.28E-08	1.18E-06	2.11E-08	1.65E-06
120	642268.28	4291009.76	642268.28, 4291	1.26752	1.26742	1.26752	1.2524	3.54E-07	5.66E-08	1.06E-06	1.90E-08	1.49E-06
121	642308.28	4291009.76	642308.28, 4291	1.14974	1.14966	1.14974	1.13516	3.21E-07	5.13E-08	9.63E-07	1.72E-08	1.35E-06
122	642348.28	4291009.76	642348.28, 4291	1.04828	1.04821	1.04828	1.03422	2.93E-07	4.68E-08	8.78E-07	1.57E-08	1.23E-06
123	642388.28	4291009.76	642388.28, 4291	0.96069	0.96063	0.96069	0.94745	2.68E-07	4.29E-08	8.05E-07	1.44E-08	1.13E-06
124	642428.28	4291009.76	642428.28, 4291	0.88463	0.88458	0.88463	0.87257	2.47E-07	3.95E-08	7.41E-07	1.32E-08	1.04E-06
125	641268.28	4291049.76	641268.28, 4291	2.74627	2.74662	2.74627	2.55727	7.67E-07	1.23E-07	2.30E-06	3.88E-08	3.23E-06
126	641308.28	4291049.76	641308.28, 4291	3.21799	3.21842	3.21799	2.99367	8.98E-07	1.44E-07	2.69E-06	4.54E-08	3.78E-06
127	641348.28	4291049.76	641348.28, 4291	3.786	3.78652	3.786	3.52078	1.06E-06	1.69E-07	3.17E-06	5.34E-08	4.45E-06
128	641388.28	4291049.76	641388.28, 4291	4.44751	4.44812	4.44751	4.13376	1.24E-06	1.99E-07	3.72E-06	6.27E-08	5.23E-06
129	641428.28	4291049.76	641428.28, 4291	5.1865	5.18719	5.1865	4.81054	1.45E-06	2.32E-07	4.34E-06	7.29E-08	6.10E-06
130	641468.28	4291049.76	641468.28, 4291	5.9729	5.97365	5.9729	5.5106	1.67E-06	2.67E-07	5.00E-06	8.35E-08	7.02E-06
131	641508.28	4291049.76	641508.28, 4291	6.74438	6.74512	6.74438	6.16905	1.88E-06	3.01E-07	5.65E-06	9.35E-08	7.93E-06

132	641548.28	4291049.76	641548.28, 4291	7.41909	7.41977	7.41909	6.71546	2.07E-06	3.31E-07	6.21E-06	1.02E-07	8.72E-06
133	641588.28	4291049.76	641588.28, 4291	7.91107	7.91161	7.91107	7.09281	2.21E-06	3.53E-07	6.63E-06	1.08E-07	9.29E-06
134	641628.28	4291049.76	641628.28, 4291	8.14689	8.14722	8.14689	7.26509	2.27E-06	3.64E-07	6.82E-06	1.10E-07	9.57E-06
135	641668.28	4291049.76	641668.28, 4291	8.07904	8.07912	8.07904	7.21007	2.26E-06	3.61E-07	6.77E-06	1.09E-07	9.49E-06
136	641708.28	4291049.76	641708.28, 4291	7.70103	7.70085	7.70103	6.91836	2.15E-06	3.44E-07	6.45E-06	1.05E-07	9.05E-06
137	641748.28	4291049.76	641748.28, 4291	7.06249	7.06211	7.06249	6.41515	1.97E-06	3.15E-07	5.91E-06	9.73E-08	8.30E-06
138	641788.28	4291049.76	641788.28, 4291	6.26346	6.26295	6.26346	5.77165	1.75E-06	2.80E-07	5.25E-06	8.75E-08	7.36E-06
139	641828.28	4291049.76	641828.28, 4291	5.41488	5.41434	5.41488	5.07205	1.51E-06	2.42E-07	4.53E-06	7.69E-08	6.36E-06
140	641868.28	4291049.76	641868.28, 4291	4.6191	4.61858	4.6191	4.39238	1.29E-06	2.06E-07	3.87E-06	6.66E-08	5.43E-06
141	641908.28	4291049.76	641908.28, 4291	3.92011	3.91966	3.92011	3.76931	1.09E-06	1.75E-07	3.28E-06	5.71E-08	4.61E-06
142	641948.28	4291049.76	641948.28, 4291	3.33465	3.33427	3.33465	3.22758	9.31E-07	1.49E-07	2.79E-06	4.89E-08	3.92E-06
143	642188.28	4291049.76	642188.28, 4291	1.49753	1.49741	1.49753	1.47748	4.18E-07	6.69E-08	1.25E-06	2.24E-08	1.76E-06
144	642228.28	4291049.76	642228.28, 4291	1.34657	1.34647	1.34657	1.33067	3.76E-07	6.01E-08	1.13E-06	2.02E-08	1.58E-06
145	642268.28	4291049.76	642268.28, 4291	1.2176	1.21751	1.2176	1.20386	3.40E-07	5.44E-08	1.02E-06	1.83E-08	1.43E-06
146	642308.28	4291049.76	642308.28, 4291	1.10706	1.10698	1.10706	1.09421	3.09E-07	4.94E-08	9.27E-07	1.66E-08	1.30E-06
147	642348.28	4291049.76	642348.28, 4291	1.01146	1.01139	1.01146	0.99893	2.82E-07	4.52E-08	8.47E-07	1.51E-08	1.19E-06
148	642388.28	4291049.76	642388.28, 4291	0.92867	0.92861	0.92867	0.91637	2.59E-07	4.15E-08	7.78E-07	1.39E-08	1.09E-06
149	642428.28	4291049.76	642428.28, 4291	0.85655	0.8565	0.85655	0.84469	2.39E-07	3.83E-08	7.17E-07	1.28E-08	1.01E-06
150	641268.28	4291089.76	641268.28, 4291	2.74415	2.74449	2.74415	2.56385	7.66E-07	1.23E-07	2.30E-06	3.89E-08	3.23E-06
151	641308.28	4291089.76	641308.28, 4291	3.18526	3.18566	3.18526	2.97769	8.89E-07	1.42E-07	2.67E-06	4.51E-08	3.74E-06
152	641348.28	4291089.76	641348.28, 4291	3.69961	3.70008	3.69961	3.46067	1.03E-06	1.65E-07	3.10E-06	5.25E-08	4.35E-06
153	641388.28	4291089.76	641388.28, 4291	4.27442	4.27495	4.27442	3.99682	1.19E-06	1.91E-07	3.58E-06	6.06E-08	5.02E-06
154	641428.28	4291089.76	641428.28, 4291	4.88513	4.88571	4.88513	4.55666	1.36E-06	2.18E-07	4.09E-06	6.91E-08	5.74E-06
155	641468.28	4291089.76	641468.28, 4291	5.50531	5.50591	5.50531	5.10561	1.54E-06	2.46E-07	4.61E-06	7.74E-08	6.47E-06
156	641508.28	4291089.76	641508.28, 4291	6.08236	6.08292	6.08236	5.59317	1.70E-06	2.72E-07	5.09E-06	8.48E-08	7.15E-06
157	641548.28	4291089.76	641548.28, 4291	6.5568	6.55729	6.5568	5.97314	1.83E-06	2.93E-07	5.49E-06	9.06E-08	7.70E-06
158	641588.28	4291089.76	641588.28, 4291	6.87518	6.87555	6.87518	6.21493	1.92E-06	3.07E-07	5.76E-06	9.42E-08	8.08E-06
159	641628.28	4291089.76	641628.28, 4291	6.99534	6.99556	6.99534	6.30033	1.95E-06	3.12E-07	5.86E-06	9.55E-08	8.22E-06
160	641668.28	4291089.76	641668.28, 4291	6.89268	6.89272	6.89268	6.21641	1.92E-06	3.08E-07	5.77E-06	9.42E-08	8.10E-06
161	641708.28	4291089.76	641708.28, 4291	6.56909	6.56894	6.56909	5.95846	1.83E-06	2.93E-07	5.50E-06	9.03E-08	7.72E-06
162	641748.28	4291089.76	641748.28, 4291	6.06137	6.06107	6.06137	5.54686	1.69E-06	2.71E-07	5.08E-06	8.41E-08	7.12E-06
163	641788.28	4291089.76	641788.28, 4291	5.43709	5.4367	5.43709	5.03314	1.52E-06	2.43E-07	4.55E-06	7.63E-08	6.39E-06
164	641828.28	4291089.76	641828.28, 4291	4.77022	4.76979	4.77022	4.4761	1.33E-06	2.13E-07	3.99E-06	6.79E-08	5.61E-06
165	641868.28	4291089.76	641868.28, 4291	4.13223	4.13182	4.13223	3.92939	1.15E-06	1.85E-07	3.46E-06	5.96E-08	4.86E-06
166	641908.28	4291089.76	641908.28, 4291	3.55748	3.55711	3.55748	3.41884	9.93E-07	1.59E-07	2.98E-06	5.18E-08	4.18E-06
167	641948.28	4291089.76	641948.28, 4291	3.06388	3.06355	3.06388	2.96415	8.55E-07	1.37E-07	2.57E-06	4.49E-08	3.60E-06
168	641988.28	4291089.76	641988.28, 4291	2.65098	2.65071	2.65098	2.57404	7.40E-07	1.18E-07	2.22E-06	3.90E-08	3.12E-06
169	642028.28	4291089.76	642028.28, 4291	2.30662	2.3064	2.30662	2.24523	6.44E-07	1.03E-07	1.93E-06	3.40E-08	2.71E-06
170	642068.28	4291089.76	642068.28, 4291	2.02288	2.02269	2.02288	1.97392	5.65E-07	9.03E-08	1.69E-06	2.99E-08	2.38E-06
171	642108.28	4291089.76	642108.28, 4291	1.79137	1.79122	1.79137	1.75275	5.00E-07	8.00E-08	1.50E-06	2.66E-08	2.11E-06
172	642148.28	4291089.76	642148.28, 4291	1.59332	1.59319	1.59332	1.56438	4.45E-07	7.12E-08	1.33E-06	2.37E-08	1.87E-06
173	641268.28	4291129.76	641268.28, 4291	2.72137	2.72169	2.72137	2.55448	7.60E-07	1.22E-07	2.28E-06	3.87E-08	3.20E-06
174	641308.28	4291129.76	641308.28, 4291	3.12601	3.12638	3.12601	2.9389	8.73E-07	1.40E-07	2.62E-06	4.46E-08	3.67E-06
175	641348.28	4291129.76	641348.28, 4291	3.58287	3.58329	3.58287	3.37134	1.00E-06	1.60E-07	3.00E-06	5.11E-08	4.21E-06
176	641388.28	4291129.76	641388.28, 4291	4.07335	4.07381	4.07335	3.8297	1.14E-06	1.82E-07	3.41E-06	5.81E-08	4.79E-06
177	641428.28	4291129.76	641428.28, 4291	4.57051	4.57098	4.57051	4.28362	1.28E-06	2.04E-07	3.83E-06	6.49E-08	5.37E-06
178	641468.28	4291129.76	641468.28, 4291	5.05377	5.05424	5.05377	4.70726	1.41E-06	2.26E-07	4.23E-06	7.14E-08	5.94E-06
179	641508.28	4291129.76	641508.28, 4291	5.48275	5.48318	5.48275	5.06511	1.53E-06	2.45E-07	4.59E-06	7.68E-08	6.44E-06
180	641548.28	4291129.76	641548.28, 4291	5.81578	5.81614	5.81578	5.32842	1.62E-06	2.60E-07	4.87E-06	8.08E-08	6.83E-06
181	641588.28	4291129.76	641588.28, 4291	6.01926	6.01952	6.01926	5.48092	1.68E-06	2.69E-07	5.04E-06	8.31E-08	7.07E-06
182	641628.28	4291129.76	641628.28, 4291	6.06907	6.06921	6.06907	5.51307	1.69E-06	2.71E-07	5.08E-06	8.36E-08	7.13E-06
183	641668.28	4291129.76	641668.28, 4291	5.95295	5.95295	5.95295	5.4168	1.66E-06	2.66E-07	4.99E-06	8.21E-08	6.99E-06
184	641708.28	4291129.76	641708.28, 4291	5.67563	5.6755	5.67563	5.18973	1.58E-06	2.53E-07	4.75E-06	7.87E-08	6.67E-06
185	641748.28	4291129.76	641748.28, 4291	5.26449	5.26425	5.26449	4.84829	1.47E-06	2.35E-07	4.41E-06	7.35E-08	6.19E-06
186	641788.28	4291129.76	641788.28, 4291	4.76674	4.76642	4.76674	4.43084	1.33E-06	2.13E-07	3.99E-06	6.72E-08	5.60E-06
187	641828.28	4291129.76	641828.28, 4291	4.2341	4.23376	4.2341	3.98042	1.18E-06	1.89E-07	3.55E-06	6.03E-08	4.98E-06
188	641868.28	4291129.76	641868.28, 4291	3.71645	3.71611	3.71645	3.53493	1.04E-06	1.66E-07	3.11E-06	5.36E-08	4.37E-06
189	641908.28	4291129.76	641908.28, 4291	3.24024	3.23993	3.24024	3.11285	9.04E-07	1.45E-07	2.71E-06	4.72E-08	3.81E-06
190	641948.28	4291129.76	641948.28, 4291	2.82192	2.82164	2.82192	2.72922	7.88E-07	1.26E-07	2.36E-06	4.14E-08	3.32E-06
191	641988.28	4291129.76	641988.28, 4291	2.4632	2.46296	2.4632	2.39129	6.88E-07	1.10E-07	2.06E-06	3.63E-08	2.90E-06
192	642028.28	4291129.76	642028.28, 4291	2.16064	2.16044	2.16064	2.1021	6.03E-07	9.65E-08	1.81E-06	3.19E-08	2.54E-06
193	642068.28	4291129.76	642068.28, 4291	1.90738	1.90721	1.90738	1.8592	5.32E-07	8.52E-08	1.60E-06	2.82E-08	2.24E-06
194	642108.28	4291129.76	642108.28, 4291	1.69516	1.69501	1.69516	1.6562	4.73E-07	7.57E-08	1.42E-06	2.51E-08	1.99E-06
195	642148.28	4291129.76	642148.28, 4291	1.51587	1.51575	1.51587	1.4853	4.23E-07	6.77E-08	1.27E-06	2.25E-08	1.78E-06
196	641374.56	4290226.75	641374.56, 429(	1.9202	1.92033	1.9202	1.99745	5.36E-07	8.58E-08	1.61E-06	3.03E-08	2.26E-06
197	641414.56	4290226.75	641414.56, 429(	2.12362	2.12376	2.12362	2.23344	5.93E-07	9.49E-08	1.78E-06	3.39E-08	2.50E-06
198	641454.56	4290226.75	641454.56, 429(	2.34657	2.34671	2.34657	2.4968	6.55E-07	1.05E-07	1.97E-06	3.79E-08	2.76E-06
199	641494.56	4290226.75	641494.56, 429(	2.58635	2.5865	2.58635	2.78458	7.22E-07	1.16E-07	2.17E-06	4.22E-08	3.05E-06
200	641534.56	4290226.75	641534.56, 429(	2.84231	2.84245	2.84231	3.09444	7.93E-07	1.27E-07	2.38E-06	4.69E-08	3.35E-06
201	641574.56	4290226.75	641574.56, 429(	3.11474	3.11488	3.11474	3.42974	8.69E-07	1.39E-07	2.61E-06	5.20E-08	3.67E-06
202	641614.56	4290226.75	641614.56, 429(	3.40041	3.40054	3.40041	3.79303	9.49E-07	1.52E-07	2.85E-06	5.75E-08	4.01E-06

203	641654.56	4290226.75	641654.56, 429(	3.70073	3.70084	3.70073	4.18345	1.03E-06	1.65E-07	3.10E-06	6.34E-08	4.36E-06
204	641694.56	4290226.75	641694.56, 429(	4.01404	4.01415	4.01404	4.57345	1.12E-06	1.79E-07	3.36E-06	6.93E-08	4.73E-06
205	641734.56	4290226.75	641734.56, 429(	4.35305	4.35319	4.35305	4.95948	1.22E-06	1.94E-07	3.65E-06	7.52E-08	5.13E-06
206	641774.56	4290226.75	641774.56, 429(	4.7636	4.76377	4.7636	5.43209	1.33E-06	2.13E-07	3.99E-06	8.24E-08	5.61E-06
207	641814.56	4290226.75	641814.56, 429(	5.22719	5.22735	5.22719	6.05768	1.46E-06	2.33E-07	4.38E-06	9.18E-08	6.16E-06
208	641854.56	4290226.75	641854.56, 429(	5.61167	5.61167	5.61167	6.69729	1.57E-06	2.51E-07	4.70E-06	1.02E-07	6.62E-06
209	641894.56	4290226.75	641894.56, 429(	5.75285	5.75263	5.75285	7.0178	1.61E-06	2.57E-07	4.82E-06	1.06E-07	6.79E-06
210	641934.56	4290226.75	641934.56, 429(	5.58543	5.58501	5.58543	6.81656	1.56E-06	2.49E-07	4.68E-06	1.03E-07	6.59E-06
211	641974.56	4290226.75	641974.56, 429(	5.179	5.17847	5.179	6.21273	1.45E-06	2.31E-07	4.34E-06	9.42E-08	6.11E-06
212	642014.56	4290226.75	642014.56, 429(	4.65363	4.65309	4.65363	5.44943	1.30E-06	2.08E-07	3.90E-06	8.26E-08	5.49E-06
213	642054.56	4290226.75	642054.56, 429(	4.10564	4.10514	4.10564	4.69249	1.15E-06	1.83E-07	3.44E-06	7.11E-08	4.84E-06
214	642094.56	4290226.75	642094.56, 429(	3.5901	3.58966	3.5901	4.01284	1.00E-06	1.60E-07	3.01E-06	6.08E-08	4.23E-06
215	642134.56	4290226.75	642134.56, 429(	3.1313	3.13093	3.1313	3.4313	8.74E-07	1.40E-07	2.62E-06	5.20E-08	3.69E-06
216	642174.56	4290226.75	642174.56, 429(	2.73289	2.73257	2.73289	2.94366	7.63E-07	1.22E-07	2.29E-06	4.46E-08	3.22E-06
217	642214.56	4290226.75	642214.56, 429(	2.38913	2.38886	2.38913	2.536	6.67E-07	1.07E-07	2.00E-06	3.84E-08	2.81E-06
218	642254.56	4290226.75	642254.56, 429(	2.0968	2.09658	2.0968	2.19836	5.85E-07	9.36E-08	1.76E-06	3.33E-08	2.47E-06
219	642294.56	4290226.75	642294.56, 429(	1.84992	1.84973	1.84992	1.91933	5.16E-07	8.26E-08	1.55E-06	2.91E-08	2.18E-06
220	642334.56	4290226.75	642334.56, 429(	1.64037	1.64021	1.64037	1.68691	4.58E-07	7.33E-08	1.37E-06	2.56E-08	1.93E-06
221	642374.56	4290226.75	642374.56, 429(	1.46042	1.46029	1.46042	1.49084	4.08E-07	6.52E-08	1.22E-06	2.26E-08	1.72E-06
222	642414.56	4290226.75	642414.56, 429(	1.30668	1.30657	1.30668	1.32599	3.65E-07	5.84E-08	1.09E-06	2.01E-08	1.54E-06
223	642454.56	4290226.75	642454.56, 429(	1.17547	1.17537	1.17547	1.18734	3.28E-07	5.25E-08	9.84E-07	1.80E-08	1.38E-06
224	642494.56	4290226.75	642494.56, 429(	1.06247	1.06239	1.06247	1.06954	2.97E-07	4.74E-08	8.90E-07	1.62E-08	1.25E-06
225	642534.56	4290226.75	642534.56, 429(	0.96484	0.96477	0.96484	0.96894	2.69E-07	4.31E-08	8.08E-07	1.47E-08	1.14E-06
226	642574.56	4290226.75	642574.56, 429(	0.88	0.87994	0.88	0.88233	2.46E-07	3.93E-08	7.37E-07	1.34E-08	1.04E-06
227	642614.56	4290226.75	642614.56, 429(	0.80701	0.80696	0.80701	0.80836	2.25E-07	3.60E-08	6.76E-07	1.23E-08	9.49E-07
228	641374.56	4290266.75	641374.56, 429(	2.09724	2.0974	2.09724	2.16744	5.85E-07	9.37E-08	1.76E-06	3.29E-08	2.47E-06
229	641414.56	4290266.75	641414.56, 429(	2.34911	2.34928	2.34911	2.45673	6.56E-07	1.05E-07	1.97E-06	3.72E-08	2.77E-06
230	641454.56	4290266.75	641454.56, 429(	2.62794	2.62812	2.62794	2.78733	7.34E-07	1.17E-07	2.20E-06	4.23E-08	3.09E-06
231	641494.56	4290266.75	641494.56, 429(	2.93458	2.93477	2.93458	3.159	8.19E-07	1.31E-07	2.46E-06	4.79E-08	3.46E-06
232	641534.56	4290266.75	641534.56, 429(	3.2698	3.26999	3.2698	3.57206	9.13E-07	1.46E-07	2.74E-06	5.42E-08	3.85E-06
233	641574.56	4290266.75	641574.56, 429(	3.63613	3.63633	3.63613	4.0301	1.02E-06	1.62E-07	3.05E-06	6.11E-08	4.28E-06
234	641614.56	4290266.75	641614.56, 429(	4.03153	4.03172	4.03153	4.53839	1.13E-06	1.80E-07	3.38E-06	6.88E-08	4.75E-06
235	641654.56	4290266.75	641654.56, 429(	4.44416	4.44433	4.44416	5.08726	1.24E-06	1.98E-07	3.72E-06	7.71E-08	5.24E-06
236	641694.56	4290266.75	641694.56, 429(	4.86504	4.86521	4.86504	5.63623	1.36E-06	2.17E-07	4.07E-06	8.55E-08	5.73E-06
237	641734.56	4290266.75	641734.56, 429(	5.33816	5.33836	5.33816	6.1975	1.49E-06	2.38E-07	4.47E-06	9.40E-08	6.29E-06
238	641774.56	4290266.75	641774.56, 429(	5.91818	5.91843	5.91818	6.89832	1.65E-06	2.64E-07	4.96E-06	1.05E-07	6.98E-06
239	641814.56	4290266.75	641814.56, 429(	6.53694	6.53711	6.53694	7.80688	1.82E-06	2.92E-07	5.47E-06	1.18E-07	7.71E-06
240	641854.56	4290266.75	641854.56, 429(	6.95565	6.95553	6.95565	8.58621	1.94E-06	3.11E-07	5.82E-06	1.30E-07	8.21E-06
241	641894.56	4290266.75	641894.56, 429(	6.94817	6.94771	6.94817	8.69338	1.94E-06	3.10E-07	5.82E-06	1.32E-07	8.20E-06
242	641934.56	4290266.75	641934.56, 429(	6.51816	6.51748	6.51816	8.04641	1.82E-06	2.91E-07	5.46E-06	1.22E-07	7.69E-06
243	641974.56	4290266.75	641974.56, 429(	5.83974	5.839	5.83974	7.01162	1.63E-06	2.61E-07	4.89E-06	1.06E-07	6.89E-06
244	642014.56	4290266.75	642014.56, 429(	5.09213	5.09143	5.09213	5.93367	1.42E-06	2.27E-07	4.26E-06	9.00E-08	6.00E-06
245	642054.56	4290266.75	642054.56, 429(	4.38331	4.38271	4.38331	4.96917	1.22E-06	1.96E-07	3.67E-06	7.53E-08	5.17E-06
246	642094.56	4290266.75	642094.56, 429(	3.76034	3.75984	3.76034	4.16125	1.05E-06	1.68E-07	3.15E-06	6.31E-08	4.43E-06
247	642134.56	4290266.75	642134.56, 429(	3.23046	3.23004	3.23046	3.50159	9.02E-07	1.44E-07	2.71E-06	5.31E-08	3.80E-06
248	642174.56	4290266.75	642174.56, 429(	2.78453	2.78419	2.78453	2.96604	7.77E-07	1.24E-07	2.33E-06	4.50E-08	3.28E-06
249	642214.56	4290266.75	642214.56, 429(	2.4103	2.41002	2.4103	2.53039	6.73E-07	1.08E-07	2.02E-06	3.84E-08	2.84E-06
250	642254.56	4290266.75	642254.56, 429(	2.09789	2.09766	2.09789	2.17621	5.86E-07	9.37E-08	1.76E-06	3.30E-08	2.47E-06
251	642294.56	4290266.75	642294.56, 429(	1.83945	1.83926	1.83945	1.8897	5.13E-07	8.21E-08	1.54E-06	2.87E-08	2.16E-06
252	642334.56	4290266.75	642334.56, 429(	1.62351	1.62335	1.62351	1.65513	4.53E-07	7.25E-08	1.36E-06	2.51E-08	1.91E-06
253	642374.56	4290266.75	642374.56, 429(	1.44068	1.44054	1.44068	1.4602	4.02E-07	6.43E-08	1.21E-06	2.21E-08	1.70E-06
254	642414.56	4290266.75	642414.56, 429(	1.28614	1.28602	1.28614	1.29804	3.59E-07	5.74E-08	1.08E-06	1.97E-08	1.51E-06
255	642454.56	4290266.75	642454.56, 429(	1.15601	1.15592	1.15601	1.16329	3.23E-07	5.16E-08	9.68E-07	1.76E-08	1.36E-06
256	642494.56	4290266.75	642494.56, 429(	1.04478	1.0447	1.04478	1.04932	2.92E-07	4.67E-08	8.75E-07	1.59E-08	1.23E-06
257	642534.56	4290266.75	642534.56, 429(	0.94915	0.94908	0.94915	0.95213	2.65E-07	4.24E-08	7.95E-07	1.44E-08	1.12E-06
258	642574.56	4290266.75	642574.56, 429(	0.86592	0.86586	0.86592	0.86801	2.42E-07	3.87E-08	7.25E-07	1.32E-08	1.02E-06
259	642614.56	4290266.75	642614.56, 429(	0.79436	0.79431	0.79436	0.79593	2.22E-07	3.55E-08	6.65E-07	1.21E-08	9.35E-07
260	641374.56	4290306.75	641374.56, 429(	2.28677	2.28696	2.28677	2.34261	6.38E-07	1.02E-07	1.92E-06	3.55E-08	2.69E-06
261	641414.56	4290306.75	641414.56, 429(	2.59667	2.59689	2.59667	2.69305	7.25E-07	1.16E-07	2.17E-06	4.08E-08	3.06E-06
262	641454.56	4290306.75	641454.56, 429(	2.94841	2.94865	2.94841	3.10629	8.23E-07	1.32E-07	2.47E-06	4.71E-08	3.47E-06
263	641494.56	4290306.75	641494.56, 429(	3.34903	3.34929	3.34903	3.5928	9.35E-07	1.50E-07	2.80E-06	5.45E-08	3.94E-06
264	641534.56	4290306.75	641534.56, 429(	3.80137	3.80165	3.80137	4.15811	1.06E-06	1.70E-07	3.18E-06	6.30E-08	4.48E-06
265	641574.56	4290306.75	641574.56, 429(	4.30717	4.30745	4.30717	4.80315	1.20E-06	1.92E-07	3.61E-06	7.28E-08	5.07E-06
266	641614.56	4290306.75	641614.56, 429(	4.85124	4.85152	4.85124	5.51733	1.35E-06	2.17E-07	4.06E-06	8.36E-08	5.72E-06
267	641654.56	4290306.75	641654.56, 429(	5.42595	5.42621	5.42595	6.30647	1.51E-06	2.42E-07	4.54E-06	9.56E-08	6.40E-06
268	641694.56	4290306.75	641694.56, 429(	6.03471	6.03495	6.03471	7.13858	1.68E-06	2.70E-07	5.05E-06	1.08E-07	7.12E-06
269	641734.56	4290306.75	641734.56, 429(	6.7218	6.72209	6.7218	7.99779	1.88E-06	3.00E-07	5.63E-06	1.21E-07	7.93E-06
270	641774.56	4290306.75	641774.56, 429(	7.55506	7.55541	7.55506	9.07311	2.11E-06	3.37E-07	6.33E-06	1.38E-07	8.91E-06
271	641814.56	4290306.75	641814.56, 429(	8.38435	8.38447	8.38435	10.42154	2.34E-06	3.74E-07	7.02E-06	1.58E-07	9.89E-06
272	641854.56	4290306.75	641854.56, 429(	8.75646	8.75605	8.75646	11.23762	2.44E-06	3.91E-07	7.33E-06	1.70E-07	1.03E-05
273	641894.56	4290306.75	641894.56, 429(	8.41812	8.41726	8.41812	10.77216	2.35E-06	3.76E-07	7.05E-06	1.63E-07	9.94E-06

274	641934.56	4290306.75	641934.56, 429(	7.55883	7.55779	7.55883	9.38371	2.11E-06	3.38E-07	6.33E-06	1.42E-07	8.92E-06
275	641974.56	4290306.75	641974.56, 429(	6.50969	6.50869	6.50969	7.78286	1.82E-06	2.91E-07	5.45E-06	1.18E-07	7.68E-06
276	642014.56	4290306.75	642014.56, 429(	5.49685	5.496	5.49685	6.34577	1.53E-06	2.45E-07	4.60E-06	9.62E-08	6.48E-06
277	642054.56	4290306.75	642054.56, 429(	4.61508	4.61438	4.61508	5.16849	1.29E-06	2.06E-07	3.86E-06	7.84E-08	5.44E-06
278	642094.56	4290306.75	642094.56, 429(	3.88668	3.88612	3.88668	4.243	1.08E-06	1.74E-07	3.25E-06	6.43E-08	4.58E-06
279	642134.56	4290306.75	642134.56, 429(	3.28892	3.28847	3.28892	3.51548	9.18E-07	1.47E-07	2.75E-06	5.33E-08	3.87E-06
280	642174.56	4290306.75	642174.56, 429(	2.80177	2.80141	2.80177	2.94411	7.82E-07	1.25E-07	2.35E-06	4.46E-08	3.30E-06
281	642214.56	4290306.75	642214.56, 429(	2.40479	2.4045	2.40479	2.49312	6.71E-07	1.07E-07	2.01E-06	3.78E-08	2.83E-06
282	642254.56	4290306.75	642254.56, 429(	2.0804	2.08016	2.0804	2.13462	5.81E-07	9.29E-08	1.74E-06	3.24E-08	2.45E-06
283	642294.56	4290306.75	642294.56, 429(	1.81535	1.81516	1.81535	1.84846	5.07E-07	8.11E-08	1.52E-06	2.80E-08	2.14E-06
284	642334.56	4290306.75	642334.56, 429(	1.59711	1.59695	1.59711	1.61742	4.46E-07	7.13E-08	1.34E-06	2.45E-08	1.88E-06
285	642374.56	4290306.75	642374.56, 429(	1.41404	1.41391	1.41404	1.42671	3.95E-07	6.31E-08	1.18E-06	2.16E-08	1.66E-06
286	642414.56	4290306.75	642414.56, 429(	1.2615	1.26139	1.2615	1.26973	3.52E-07	5.63E-08	1.06E-06	1.93E-08	1.48E-06
287	642454.56	4290306.75	642454.56, 429(	1.13426	1.13416	1.13426	1.1399	3.17E-07	5.07E-08	9.50E-07	1.73E-08	1.33E-06
288	642494.56	4290306.75	642494.56, 429(	1.02591	1.02583	1.02591	1.03002	2.86E-07	4.58E-08	8.59E-07	1.56E-08	1.21E-06
289	642534.56	4290306.75	642534.56, 429(	0.93288	0.93281	0.93288	0.93602	2.60E-07	4.17E-08	7.81E-07	1.42E-08	1.10E-06
290	642574.56	4290306.75	642574.56, 429(	0.85209	0.85203	0.85209	0.85454	2.38E-07	3.81E-08	7.14E-07	1.30E-08	1.00E-06
291	642614.56	4290306.75	642614.56, 429(	0.76059	0.76054	0.76059	0.77783	2.12E-07	3.40E-08	6.37E-07	1.18E-08	8.95E-07
292	641374.56	4290346.75	641374.56, 429(	2.48694	2.48718	2.48694	2.52166	6.94E-07	1.11E-07	2.08E-06	3.82E-08	2.93E-06
293	641414.56	4290346.75	641414.56, 429(	2.86305	2.86333	2.86305	2.93638	7.99E-07	1.28E-07	2.40E-06	4.45E-08	3.37E-06
294	641454.56	4290346.75	641454.56, 429(	3.31258	3.31291	3.31258	3.45177	9.25E-07	1.48E-07	2.77E-06	5.23E-08	3.90E-06
295	641494.56	4290346.75	641494.56, 429(	3.84303	3.84339	3.84303	4.08768	1.07E-06	1.72E-07	3.22E-06	6.20E-08	4.52E-06
296	641534.56	4290346.75	641534.56, 429(	4.45452	4.45492	4.45452	4.85733	1.24E-06	1.99E-07	3.73E-06	7.36E-08	5.25E-06
297	641574.56	4290346.75	641574.56, 429(	5.14702	5.14744	5.14702	5.76696	1.44E-06	2.30E-07	4.31E-06	8.74E-08	6.06E-06
298	641614.56	4290346.75	641614.56, 429(	5.92906	5.92949	5.92906	6.82417	1.66E-06	2.65E-07	4.97E-06	1.03E-07	6.99E-06
299	641654.56	4290346.75	641654.56, 429(	6.79285	6.79326	6.79285	8.03825	1.90E-06	3.03E-07	5.69E-06	1.22E-07	8.01E-06
300	641694.56	4290346.75	641694.56, 429(	7.70925	7.70963	7.70925	9.36737	2.15E-06	3.44E-07	6.46E-06	1.42E-07	9.09E-06
301	641734.56	4290346.75	641734.56, 429(	8.74575	8.74622	8.74575	10.75745	2.44E-06	3.91E-07	7.32E-06	1.63E-07	1.03E-05
302	641774.56	4290346.75	641774.56, 429(	10.01809	10.01858	10.01809	12.54691	2.80E-06	4.47E-07	8.39E-06	1.90E-07	1.18E-05
303	641814.56	4290346.75	641814.56, 429(	11.09559	11.0955	11.09559	14.54866	3.10E-06	4.96E-07	9.29E-06	2.21E-07	1.31E-05
304	641854.56	4290346.75	641854.56, 429(	11.16926	11.16826	11.16926	14.93706	3.12E-06	4.99E-07	9.35E-06	2.26E-07	1.32E-05
305	641894.56	4290346.75	641894.56, 429(	10.15497	10.15346	10.15497	13.19741	2.83E-06	4.53E-07	8.50E-06	2.00E-07	1.20E-05
306	641934.56	4290346.75	641934.56, 429(	8.63804	8.63654	8.63804	10.69808	2.41E-06	3.86E-07	7.23E-06	1.62E-07	1.02E-05
307	641974.56	4290346.75	641974.56, 429(	7.1315	7.13021	7.1315	8.43398	1.99E-06	3.18E-07	5.97E-06	1.28E-07	8.41E-06
308	642014.56	4290346.75	642014.56, 429(	5.83421	5.83319	5.83421	6.63307	1.63E-06	2.61E-07	4.89E-06	1.01E-07	6.88E-06
309	642054.56	4290346.75	642054.56, 429(	4.78242	4.78163	4.78242	5.2633	1.33E-06	2.14E-07	4.00E-06	7.98E-08	5.63E-06
310	642094.56	4290346.75	642094.56, 429(	3.95358	3.95296	3.95358	4.23992	1.10E-06	1.77E-07	3.31E-06	6.43E-08	4.66E-06
311	642134.56	4290346.75	642134.56, 429(	3.29718	3.2967	3.29718	3.4661	9.20E-07	1.47E-07	2.76E-06	5.26E-08	3.88E-06
312	642174.56	4290346.75	642174.56, 429(	2.78194	2.78157	2.78194	2.88153	7.77E-07	1.24E-07	2.33E-06	4.37E-08	3.27E-06
313	642214.56	4290346.75	642214.56, 429(	2.37237	2.37208	2.37237	2.43143	6.62E-07	1.06E-07	1.99E-06	3.69E-08	2.79E-06
314	642254.56	4290346.75	642254.56, 429(	2.04529	2.04506	2.04529	2.08101	5.71E-07	9.13E-08	1.71E-06	3.16E-08	2.41E-06
315	642294.56	4290346.75	642294.56, 429(	1.7808	1.78061	1.7808	1.80318	4.97E-07	7.95E-08	1.49E-06	2.73E-08	2.10E-06
316	642334.56	4290346.75	642334.56, 429(	1.56465	1.56449	1.56465	1.57937	4.37E-07	6.99E-08	1.31E-06	2.39E-08	1.84E-06
317	642374.56	4290346.75	642374.56, 429(	1.38567	1.38555	1.38567	1.39591	3.87E-07	6.19E-08	1.16E-06	2.12E-08	1.63E-06
318	642414.56	4290346.75	642414.56, 429(	1.23688	1.23677	1.23688	1.24438	3.45E-07	5.52E-08	1.04E-06	1.89E-08	1.46E-06
319	642454.56	4290346.75	642454.56, 429(	1.11279	1.1127	1.11279	1.11849	3.11E-07	4.97E-08	9.32E-07	1.70E-08	1.31E-06
320	642494.56	4290346.75	642494.56, 429(	1.00744	1.00736	1.00744	1.01185	2.81E-07	4.50E-08	8.44E-07	1.53E-08	1.19E-06
321	642534.56	4290346.75	642534.56, 429(	0.91703	0.91697	0.91703	0.92041	2.56E-07	4.10E-08	7.68E-07	1.40E-08	1.08E-06
322	642574.56	4290346.75	642574.56, 429(	0.83849	0.83844	0.83849	0.84102	2.34E-07	3.74E-08	7.02E-07	1.28E-08	9.86E-07
323	642614.56	4290346.75	642614.56, 429(	0.74052	0.74048	0.74052	0.75743	2.07E-07	3.31E-08	6.20E-07	1.15E-08	8.71E-07
324	641374.56	4290386.75	641374.56, 429(	2.69188	2.69217	2.69188	2.70607	7.51E-07	1.20E-07	2.25E-06	4.10E-08	3.17E-06
325	641414.56	4290386.75	641414.56, 429(	3.14389	3.14425	3.14389	3.18582	8.78E-07	1.40E-07	2.63E-06	4.83E-08	3.70E-06
326	641454.56	4290386.75	641454.56, 429(	3.70633	3.70677	3.70633	3.80582	1.03E-06	1.66E-07	3.10E-06	5.77E-08	4.36E-06
327	641494.56	4290386.75	641494.56, 429(	4.39302	4.39354	4.39302	4.60813	1.23E-06	1.96E-07	3.68E-06	6.99E-08	5.17E-06
328	641534.56	4290386.75	641534.56, 429(	5.23528	5.23586	5.23528	5.65119	1.46E-06	2.34E-07	4.38E-06	8.57E-08	6.17E-06
329	641574.56	4290386.75	641574.56, 429(	6.24926	6.24991	6.24926	6.98551	1.74E-06	2.79E-07	5.23E-06	1.06E-07	7.36E-06
330	641614.56	4290386.75	641614.56, 429(	7.43023	7.43092	7.43023	8.63095	2.07E-06	3.32E-07	6.22E-06	1.31E-07	8.76E-06
331	641654.56	4290386.75	641654.56, 429(	8.77093	8.77161	8.77093	10.60296	2.45E-06	3.92E-07	7.35E-06	1.61E-07	1.03E-05
332	641694.56	4290386.75	641694.56, 429(	10.22739	10.22804	10.22739	12.87854	2.85E-06	4.57E-07	8.56E-06	1.95E-07	1.21E-05
333	641734.56	4290386.75	641734.56, 429(	11.90632	11.90712	11.90632	15.344	3.32E-06	5.32E-07	9.97E-06	2.33E-07	1.41E-05
334	641774.56	4290386.75	641774.56, 429(	13.94789	13.94852	13.94789	18.59391	3.89E-06	6.23E-07	1.17E-05	2.82E-07	1.65E-05
335	641814.56	4290386.75	641814.56, 429(	15.1877	15.18691	15.1877	21.34621	4.24E-06	6.78E-07	1.27E-05	3.24E-07	1.80E-05
336	641854.56	4290386.75	641854.56, 429(	14.34365	14.34148	14.34365	19.90721	4.00E-06	6.41E-07	1.20E-05	3.02E-07	1.70E-05
337	641894.56	4290386.75	641894.56, 429(	12.0861	12.08365	12.0861	15.76425	3.37E-06	5.40E-07	1.01E-05	2.39E-07	1.43E-05
338	641934.56	4290386.75	641934.56, 429(	9.6599	9.65784	9.6599	11.81022	2.70E-06	4.31E-07	8.09E-06	1.79E-07	1.14E-05
339	641974.56	4290386.75	641974.56, 429(	7.62302	7.62145	7.62302	8.83262	2.13E-06	3.40E-07	6.38E-06	1.34E-07	8.99E-06
340	642014.56	4290386.75	642014.56, 429(	6.04912	6.04796	6.04912	6.71828	1.69E-06	2.70E-07	5.07E-06	1.02E-07	7.13E-06
341	642054.56	4290386.75	642054.56, 429(	4.854	4.85314	4.854	5.22119	1.35E-06	2.17E-07	4.06E-06	7.92E-08	5.72E-06
342	642094.56	4290386.75	642094.56, 429(	3.94979	3.94915	3.94979	4.15227	1.10E-06	1.76E-07	3.31E-06	6.30E-08	4.65E-06
343	642134.56	4290386.75	642134.56, 429(	3.25882	3.25834	3.25882	3.37254	9.10E-07	1.46E-07	2.73E-06	5.11E-08	3.84E-06
344	642174.56	4290386.75	642174.56, 429(	2.73295	2.73258	2.73295	2.79945	7.63E-07	1.22E-07	2.29E-06	4.24E-08	3.22E-06

345	642214.56	4290386.75	642214.56, 429(	2.32321	2.32292	2.32321	2.36416	6.49E-07	1.04E-07	1.95E-06	3.58E-08	2.73E-06
346	642254.56	4290386.75	642254.56, 429(	2.00007	1.99984	2.00007	2.02687	5.58E-07	8.93E-08	1.67E-06	3.07E-08	2.35E-06
347	642294.56	4290386.75	642294.56, 429(	1.74086	1.74067	1.74086	1.75947	4.86E-07	7.77E-08	1.46E-06	2.67E-08	2.05E-06
348	642334.56	4290386.75	642334.56, 429(	1.52985	1.5297	1.52985	1.5434	4.27E-07	6.83E-08	1.28E-06	2.34E-08	1.80E-06
349	642374.56	4290386.75	642374.56, 429(	1.35647	1.35635	1.35647	1.36662	3.79E-07	6.06E-08	1.14E-06	2.07E-08	1.60E-06
350	642414.56	4290386.75	642414.56, 429(	1.21195	1.21185	1.21195	1.21963	3.38E-07	5.41E-08	1.01E-06	1.85E-08	1.43E-06
351	642454.56	4290386.75	642454.56, 429(	1.09192	1.09183	1.09192	1.09772	3.05E-07	4.88E-08	9.14E-07	1.66E-08	1.28E-06
352	642494.56	4290386.75	642494.56, 429(	0.9898	0.98973	0.9898	0.9941	2.76E-07	4.42E-08	8.29E-07	1.51E-08	1.16E-06
353	642534.56	4290386.75	642534.56, 429(	0.90207	0.902	0.90207	0.90513	2.52E-07	4.03E-08	7.55E-07	1.37E-08	1.06E-06
354	642574.56	4290386.75	642574.56, 429(	0.82573	0.82567	0.82573	0.82776	2.30E-07	3.69E-08	6.91E-07	1.25E-08	9.71E-07
355	642614.56	4290386.75	642614.56, 429(	0.75928	0.75923	0.75928	0.76046	2.12E-07	3.39E-08	6.36E-07	1.15E-08	8.93E-07
356	641374.56	4290426.75	641374.56, 429(	2.89884	2.89919	2.89884	2.89903	8.09E-07	1.29E-07	2.43E-06	4.40E-08	3.41E-06
357	641414.56	4290426.75	641414.56, 429(	3.43379	3.43423	3.43379	3.44669	9.59E-07	1.53E-07	2.88E-06	5.23E-08	4.04E-06
358	641454.56	4290426.75	641454.56, 429(	4.11935	4.11991	4.11935	4.17059	1.15E-06	1.84E-07	3.45E-06	6.32E-08	4.85E-06
359	641494.56	4290426.75	641494.56, 429(	5.00156	5.00228	5.00156	5.1489	1.40E-06	2.23E-07	4.19E-06	7.81E-08	5.89E-06
360	641534.56	4290426.75	641534.56, 429(	6.18008	6.18096	6.18008	6.52864	1.73E-06	2.76E-07	5.18E-06	9.90E-08	7.28E-06
361	641574.56	4290426.75	641574.56, 429(	7.68415	7.6852	7.68415	8.45545	2.14E-06	3.43E-07	6.43E-06	1.28E-07	9.05E-06
362	641614.56	4290426.75	641614.56, 429(	9.53487	9.53606	9.53487	11.09154	2.66E-06	4.26E-07	7.98E-06	1.68E-07	1.12E-05
363	641654.56	4290426.75	641654.56, 429(	11.7479	11.74913	11.7479	14.55359	3.28E-06	5.25E-07	9.84E-06	2.21E-07	1.39E-05
364	641694.56	4290426.75	641694.56, 429(	14.26299	14.26418	14.26299	18.85515	3.98E-06	6.37E-07	1.19E-05	2.86E-07	1.68E-05
365	641734.56	4290426.75	641734.56, 429(	17.2915	17.29298	17.2915	23.94044	4.83E-06	7.72E-07	1.45E-05	3.63E-07	2.04E-05
366	641774.56	4290426.75	641774.56, 429(	20.76454	20.76508	20.76454	30.57199	5.80E-06	9.27E-07	1.74E-05	4.64E-07	2.46E-05
367	641814.56	4290426.75	641814.56, 429(	21.4823	21.47946	21.4823	32.81344	6.00E-06	9.59E-07	1.80E-05	4.97E-07	2.54E-05
368	641854.56	4290426.75	641854.56, 429(	18.28989	18.28559	18.28989	25.94384	5.11E-06	8.17E-07	1.53E-05	3.93E-07	2.16E-05
369	641894.56	4290426.75	641894.56, 429(	14.03392	14.03026	14.03392	18.0529	3.92E-06	6.27E-07	1.18E-05	2.74E-07	1.66E-05
370	641934.56	4290426.75	641934.56, 429(	10.48741	10.48479	10.48741	12.46423	2.93E-06	4.68E-07	8.78E-06	1.89E-07	1.24E-05
371	641974.56	4290426.75	641974.56, 429(	7.91625	7.91444	7.91625	8.87965	2.21E-06	3.53E-07	6.63E-06	1.35E-07	9.33E-06
372	642014.56	4290426.75	642014.56, 429(	6.10536	6.1041	6.10536	6.58322	1.70E-06	2.73E-07	5.11E-06	9.98E-08	7.19E-06
373	642054.56	4290426.75	642054.56, 429(	4.81532	4.81443	4.81532	5.06213	1.34E-06	2.15E-07	4.03E-06	7.67E-08	5.67E-06
374	642094.56	4290426.75	642094.56, 429(	3.87906	3.87842	3.87906	4.01461	1.08E-06	1.73E-07	3.25E-06	6.09E-08	4.57E-06
375	642134.56	4290426.75	642134.56, 429(	3.18608	3.18561	3.18608	3.26627	8.89E-07	1.42E-07	2.67E-06	4.95E-08	3.75E-06
376	642174.56	4290426.75	642174.56, 429(	2.66549	2.66513	2.66549	2.71683	7.44E-07	1.19E-07	2.23E-06	4.12E-08	3.14E-06
377	642214.56	4290426.75	642214.56, 429(	2.26461	2.26433	2.26461	2.29967	6.32E-07	1.01E-07	1.90E-06	3.49E-08	2.66E-06
378	642254.56	4290426.75	642254.56, 429(	1.95004	1.94982	1.95004	1.97511	5.44E-07	8.71E-08	1.63E-06	2.99E-08	2.29E-06
379	642294.56	4290426.75	642294.56, 429(	1.69985	1.69967	1.69985	1.71829	4.75E-07	7.59E-08	1.42E-06	2.61E-08	2.00E-06
380	642334.56	4290426.75	642334.56, 429(	1.49639	1.49625	1.49639	1.51013	4.18E-07	6.68E-08	1.25E-06	2.29E-08	1.76E-06
381	642374.56	4290426.75	642374.56, 429(	1.32899	1.32887	1.32899	1.33921	3.71E-07	5.94E-08	1.11E-06	2.03E-08	1.56E-06
382	642414.56	4290426.75	642414.56, 429(	1.18926	1.18916	1.18926	1.19676	3.32E-07	5.31E-08	9.96E-07	1.81E-08	1.40E-06
383	642454.56	4290426.75	642454.56, 429(	1.07245	1.07237	1.07245	1.07785	2.99E-07	4.79E-08	8.98E-07	1.63E-08	1.26E-06
384	642494.56	4290426.75	642494.56, 429(	0.97335	0.97328	0.97335	0.97713	2.72E-07	4.35E-08	8.15E-07	1.48E-08	1.15E-06
385	642534.56	4290426.75	642534.56, 429(	0.88827	0.8882	0.88827	0.89077	2.48E-07	3.97E-08	7.44E-07	1.35E-08	1.05E-06
386	642574.56	4290426.75	642574.56, 429(	0.81392	0.81387	0.81392	0.81541	2.27E-07	3.64E-08	6.82E-07	1.24E-08	9.58E-07
387	642614.56	4290426.75	642614.56, 429(	0.74947	0.74942	0.74947	0.75018	2.09E-07	3.35E-08	6.28E-07	1.14E-08	8.82E-07
388	641374.56	4290466.75	641374.56, 429(	3.10877	3.10917	3.10877	3.0925	8.68E-07	1.39E-07	2.60E-06	4.69E-08	3.66E-06
389	641414.56	4290466.75	641414.56, 429(	3.72191	3.72243	3.72191	3.71177	1.04E-06	1.66E-07	3.12E-06	5.63E-08	4.38E-06
390	641454.56	4290466.75	641454.56, 429(	4.53974	4.54044	4.53974	4.54804	1.27E-06	2.03E-07	3.80E-06	6.90E-08	5.34E-06
391	641494.56	4290466.75	641494.56, 429(	5.65432	5.65527	5.65432	5.71677	1.58E-06	2.53E-07	4.74E-06	8.67E-08	6.65E-06
392	641534.56	4290466.75	641534.56, 429(	7.24359	7.2449	7.24359	7.44657	2.02E-06	3.24E-07	6.07E-06	1.13E-07	8.52E-06
393	641574.56	4290466.75	641574.56, 429(	9.46455	9.46631	9.46455	10.08507	2.64E-06	4.23E-07	7.93E-06	1.53E-07	1.11E-05
394	641614.56	4290466.75	641614.56, 429(	12.50308	12.50528	12.50308	14.24858	3.49E-06	5.59E-07	1.05E-05	2.16E-07	1.47E-05
395	641654.56	4290466.75	641654.56, 429(	16.42592	16.4284	16.42592	20.67964	4.59E-06	7.34E-07	1.38E-05	3.14E-07	1.94E-05
396	641694.56	4290466.75	641694.56, 429(	21.35113	21.35366	21.35113	30.22899	5.96E-06	9.54E-07	1.79E-05	4.58E-07	2.53E-05
397	641734.56	4290466.75	641734.56, 429(	27.5822	27.58532	27.5822	43.1256	7.70E-06	1.23E-06	2.31E-05	6.54E-07	3.27E-05
398	641774.56	4290466.75	641774.56, 429(	33.84489	33.84353	33.84489	58.83973	9.45E-06	1.51E-06	2.83E-05	8.92E-07	4.02E-05
399	641814.56	4290466.75	641814.56, 429(	30.98205	30.97376	30.98205	51.21839	8.65E-06	1.38E-06	2.59E-05	7.77E-07	3.68E-05
400	641854.56	4290466.75	641854.56, 429(	22.59323	22.58567	22.59323	31.69113	6.31E-06	1.01E-06	1.89E-05	4.80E-07	2.67E-05
401	641894.56	4290466.75	641894.56, 429(	15.58431	15.57937	15.58431	19.21263	4.35E-06	6.96E-07	1.31E-05	2.91E-07	1.84E-05
402	641934.56	4290466.75	641934.56, 429(	10.91341	10.91036	10.91341	12.38232	3.05E-06	4.87E-07	9.14E-06	1.88E-07	1.29E-05
403	641974.56	4290466.75	641974.56, 429(	7.93983	7.9379	7.93983	8.58402	2.22E-06	3.55E-07	6.65E-06	1.30E-07	9.35E-06
404	642014.56	4290466.75	642014.56, 429(	5.99857	5.9973	5.99857	6.31457	1.67E-06	2.68E-07	5.02E-06	9.57E-08	7.06E-06
405	642054.56	4290466.75	642054.56, 429(	4.68776	4.68689	4.68776	4.86286	1.31E-06	2.09E-07	3.93E-06	7.37E-08	5.52E-06
406	642094.56	4290466.75	642094.56, 429(	3.76592	3.76529	3.76592	3.87364	1.05E-06	1.68E-07	3.15E-06	5.87E-08	4.43E-06
407	642134.56	4290466.75	642134.56, 429(	3.09364	3.09318	3.09364	3.16499	8.64E-07	1.38E-07	2.59E-06	4.80E-08	3.64E-06
408	642174.56	4290466.75	642174.56, 429(	2.59045	2.5901	2.59045	2.64011	7.23E-07	1.16E-07	2.17E-06	4.00E-08	3.05E-06
409	642214.56	4290466.75	642214.56, 429(	2.20434	2.20407	2.20434	2.23995	6.15E-07	9.84E-08	1.85E-06	3.40E-08	2.59E-06
410	642254.56	4290466.75	642254.56, 429(	1.90186	1.90165	1.90186	1.9278	5.31E-07	8.49E-08	1.59E-06	2.92E-08	2.24E-06
411	642294.56	4290466.75	642294.56, 429(	1.66198	1.66181	1.66198	1.68112	4.64E-07	7.42E-08	1.39E-06	2.55E-08	1.96E-06
412	642334.56	4290466.75	642334.56, 429(	1.46642	1.46628	1.46642	1.48055	4.09E-07	6.55E-08	1.23E-06	2.24E-08	1.73E-06
413	642374.56	4290466.75	642374.56, 429(	1.30467	1.30455	1.30467	1.31506	3.64E-07	5.83E-08	1.09E-06	1.99E-08	1.53E-06
414	642414.56	4290466.75	642414.56, 429(	1.16936	1.16926	1.16936	1.17691	3.26E-07	5.22E-08	9.79E-07	1.78E-08	1.38E-06
415	642454.56	4290466.75	642454.56, 429(	1.05508	1.05499	1.05508	1.0605	2.95E-07	4.71E-08	8.84E-07	1.61E-08	1.24E-06

416	642494.56	4290466.75	642494.56, 429(	0.95842	0.95835	0.95842	0.96225	2.68E-07	4.28E-08	8.03E-07	1.46E-08	1.13E-06
417	642534.56	4290466.75	642534.56, 429(	0.87562	0.87556	0.87562	0.87824	2.44E-07	3.91E-08	7.33E-07	1.33E-08	1.03E-06
418	642574.56	4290466.75	642574.56, 429(	0.80349	0.80343	0.80349	0.80519	2.24E-07	3.59E-08	6.73E-07	1.22E-08	9.45E-07
419	642614.56	4290466.75	642614.56, 429(	0.74082	0.74078	0.74082	0.74183	2.07E-07	3.31E-08	6.20E-07	1.12E-08	8.72E-07
420	641920.09	4290522.63	641920.09, 429(	12.22264	12.21875	12.22264	13.3804	3.41E-06	5.46E-07	1.02E-05	2.03E-07	1.44E-05
421	641960.09	4290522.63	641960.09, 429(	8.51149	8.50926	8.51149	9.07679	2.38E-06	3.80E-07	7.13E-06	1.38E-07	1.00E-05
422	642000.09	4290522.63	642000.09, 429(	6.28649	6.28509	6.28649	6.60877	1.75E-06	2.81E-07	5.26E-06	1.00E-07	7.40E-06
423	642040.09	4290522.63	642040.09, 429(	4.85395	4.85302	4.85395	5.05609	1.35E-06	2.17E-07	4.06E-06	7.67E-08	5.71E-06
424	642080.09	4290522.63	642080.09, 429(	3.8748	3.87415	3.8748	4.00938	1.08E-06	1.73E-07	3.24E-06	6.08E-08	4.56E-06
425	642120.09	4290522.63	642120.09, 429(	3.17163	3.17115	3.17163	3.2645	8.85E-07	1.42E-07	2.66E-06	4.95E-08	3.73E-06
426	642160.09	4290522.63	642160.09, 429(	2.65042	2.65006	2.65042	2.7163	7.40E-07	1.18E-07	2.22E-06	4.12E-08	3.12E-06
427	642200.09	4290522.63	642200.09, 429(	2.25332	2.25304	2.25332	2.30114	6.29E-07	1.01E-07	1.89E-06	3.49E-08	2.65E-06
428	642240.09	4290522.63	642240.09, 429(	1.94287	1.94265	1.94287	1.97819	5.42E-07	8.68E-08	1.63E-06	3.00E-08	2.29E-06
429	642280.09	4290522.63	642280.09, 429(	1.69554	1.69536	1.69554	1.72202	4.73E-07	7.57E-08	1.42E-06	2.61E-08	2.00E-06
430	642320.09	4290522.63	642320.09, 429(	1.4949	1.49475	1.4949	1.51501	4.17E-07	6.68E-08	1.25E-06	2.30E-08	1.76E-06
431	642360.09	4290522.63	642360.09, 429(	1.32931	1.32919	1.32931	1.34473	3.71E-07	5.94E-08	1.11E-06	2.04E-08	1.56E-06
432	642400.09	4290522.63	642400.09, 429(	1.19107	1.19097	1.19107	1.20299	3.32E-07	5.32E-08	9.97E-07	1.82E-08	1.40E-06
433	642440.09	4290522.63	642440.09, 429(	1.07425	1.07417	1.07425	1.08352	3.00E-07	4.80E-08	9.00E-07	1.64E-08	1.26E-06
434	642480.09	4290522.63	642480.09, 429(	0.97521	0.97514	0.97521	0.98247	2.72E-07	4.36E-08	8.17E-07	1.49E-08	1.15E-06
435	642520.09	4290522.63	642520.09, 429(	0.89012	0.89005	0.89012	0.89583	2.48E-07	3.98E-08	7.45E-07	1.36E-08	1.05E-06
436	642560.09	4290522.63	642560.09, 429(	0.81644	0.81639	0.81644	0.82095	2.28E-07	3.65E-08	6.84E-07	1.24E-08	9.61E-07
437	642600.09	4290522.63	642600.09, 429(	0.75216	0.75211	0.75216	0.75572	2.10E-07	3.36E-08	6.30E-07	1.15E-08	8.85E-07
438	641920.09	4290562.63	641920.09, 429(	11.63819	11.63454	11.63819	12.83358	3.25E-06	5.20E-07	9.75E-06	1.95E-07	1.37E-05
439	641960.09	4290562.63	641960.09, 429(	8.14972	8.14762	8.14972	8.79413	2.27E-06	3.64E-07	6.82E-06	1.33E-07	9.60E-06
440	642000.09	4290562.63	642000.09, 429(	6.05914	6.05782	6.05914	6.44384	1.69E-06	2.71E-07	5.07E-06	9.77E-08	7.13E-06
441	642040.09	4290562.63	642040.09, 429(	4.70311	4.70222	4.70311	4.94941	1.31E-06	2.10E-07	3.94E-06	7.50E-08	5.54E-06
442	642080.09	4290562.63	642080.09, 429(	3.76965	3.76902	3.76965	3.93547	1.05E-06	1.68E-07	3.16E-06	5.97E-08	4.44E-06
443	642120.09	4290562.63	642120.09, 429(	3.09804	3.09758	3.09804	3.21401	8.65E-07	1.38E-07	2.59E-06	4.87E-08	3.65E-06
444	642160.09	4290562.63	642160.09, 429(	2.59683	2.59648	2.59683	2.68032	7.25E-07	1.16E-07	2.17E-06	4.06E-08	3.06E-06
445	642200.09	4290562.63	642200.09, 429(	2.21467	2.21439	2.21467	2.27644	6.18E-07	9.89E-08	1.85E-06	3.45E-08	2.61E-06
446	642240.09	4290562.63	642240.09, 429(	1.91365	1.91344	1.91365	1.96022	5.34E-07	8.55E-08	1.60E-06	2.97E-08	2.25E-06
447	642280.09	4290562.63	642280.09, 429(	1.67272	1.67255	1.67272	1.70843	4.67E-07	7.47E-08	1.40E-06	2.59E-08	1.97E-06
448	642320.09	4290562.63	642320.09, 429(	1.47666	1.47652	1.47666	1.50446	4.12E-07	6.59E-08	1.24E-06	2.28E-08	1.74E-06
449	642360.09	4290562.63	642360.09, 429(	1.31477	1.31465	1.31477	1.3367	3.67E-07	5.87E-08	1.10E-06	2.03E-08	1.55E-06
450	642400.09	4290562.63	642400.09, 429(	1.17942	1.17932	1.17942	1.19691	3.29E-07	5.27E-08	9.88E-07	1.81E-08	1.39E-06
451	642440.09	4290562.63	642440.09, 429(	1.06499	1.0649	1.06499	1.07907	2.97E-07	4.76E-08	8.92E-07	1.64E-08	1.25E-06
452	642480.09	4290562.63	642480.09, 429(	0.9674	0.96733	0.9674	0.97883	2.70E-07	4.32E-08	8.10E-07	1.48E-08	1.14E-06
453	642520.09	4290562.63	642520.09, 429(	0.88339	0.88332	0.88339	0.89273	2.47E-07	3.95E-08	7.40E-07	1.35E-08	1.04E-06
454	642560.09	4290562.63	642560.09, 429(	0.8104	0.81034	0.8104	0.81808	2.26E-07	3.62E-08	6.79E-07	1.24E-08	9.53E-07
455	642600.09	4290562.63	642600.09, 429(	0.74647	0.74642	0.74647	0.75283	2.08E-07	3.33E-08	6.25E-07	1.14E-08	8.78E-07
456	641920.09	4290602.63	641920.09, 429(	11.12075	11.11734	11.12075	12.3343	3.10E-06	4.97E-07	9.31E-06	1.87E-07	1.31E-05
457	641960.09	4290602.63	641960.09, 429(	7.86737	7.86539	7.86737	8.55732	2.20E-06	3.51E-07	6.59E-06	1.30E-07	9.27E-06
458	642000.09	4290602.63	642000.09, 429(	5.88957	5.88831	5.88957	6.31709	1.64E-06	2.63E-07	4.93E-06	9.58E-08	6.93E-06
459	642040.09	4290602.63	642040.09, 429(	4.59303	4.59217	4.59303	4.87478	1.28E-06	2.05E-07	3.85E-06	7.39E-08	5.41E-06
460	642080.09	4290602.63	642080.09, 429(	3.6944	3.69379	3.6944	3.88889	1.03E-06	1.65E-07	3.09E-06	5.90E-08	4.35E-06
461	642120.09	4290602.63	642120.09, 429(	3.04449	3.04404	3.04449	3.18358	8.50E-07	1.36E-07	2.55E-06	4.83E-08	3.58E-06
462	642160.09	4290602.63	642160.09, 429(	2.55798	2.55764	2.55798	2.66033	7.14E-07	1.14E-07	2.14E-06	4.03E-08	3.01E-06
463	642200.09	4290602.63	642200.09, 429(	2.18553	2.18526	2.18553	2.26274	6.10E-07	9.76E-08	1.83E-06	3.43E-08	2.57E-06
464	642240.09	4290602.63	642240.09, 429(	1.89124	1.89103	1.89124	1.95056	5.28E-07	8.45E-08	1.58E-06	2.96E-08	2.23E-06
465	642280.09	4290602.63	642280.09, 429(	1.6551	1.65493	1.6551	1.70144	4.62E-07	7.39E-08	1.39E-06	2.58E-08	1.95E-06
466	642320.09	4290602.63	642320.09, 429(	1.46268	1.46254	1.46268	1.4994	4.08E-07	6.53E-08	1.22E-06	2.27E-08	1.72E-06
467	642360.09	4290602.63	642360.09, 429(	1.30357	1.30345	1.30357	1.33304	3.64E-07	5.82E-08	1.09E-06	2.02E-08	1.53E-06
468	642400.09	4290602.63	642400.09, 429(	1.17035	1.17025	1.17035	1.19426	3.27E-07	5.23E-08	9.80E-07	1.81E-08	1.38E-06
469	642440.09	4290602.63	642440.09, 429(	1.05762	1.05753	1.05762	1.0772	2.95E-07	4.72E-08	8.86E-07	1.63E-08	1.24E-06
470	642480.09	4290602.63	642480.09, 429(	0.96127	0.9612	0.96127	0.97745	2.68E-07	4.29E-08	8.05E-07	1.48E-08	1.13E-06
471	642520.09	4290602.63	642520.09, 429(	0.87823	0.87816	0.87823	0.89168	2.45E-07	3.92E-08	7.35E-07	1.35E-08	1.03E-06
472	642560.09	4290602.63	642560.09, 429(	0.80603	0.80598	0.80603	0.8173	2.25E-07	3.60E-08	6.75E-07	1.24E-08	9.48E-07
473	642600.09	4290602.63	642600.09, 429(	0.74239	0.74234	0.74239	0.75186	2.07E-07	3.32E-08	6.22E-07	1.14E-08	8.73E-07
474	641920.09	4290642.63	641920.09, 429(	10.62964	10.62653	10.62964	11.35148	2.97E-06	4.75E-07	8.90E-06	1.72E-07	1.25E-05
475	641960.09	4290642.63	641960.09, 429(	7.59889	7.59704	7.59889	8.08807	2.12E-06	3.39E-07	6.36E-06	1.23E-07	8.95E-06
476	642000.09	4290642.63	642000.09, 429(	5.72833	5.72714	5.72833	6.07088	1.60E-06	2.56E-07	4.80E-06	9.20E-08	6.74E-06
477	642040.09	4290642.63	642040.09, 429(	4.48965	4.48884	4.48965	4.73637	1.25E-06	2.00E-07	3.76E-06	7.18E-08	5.29E-06
478	642080.09	4290642.63	642080.09, 429(	3.62481	3.62422	3.62481	3.80692	1.01E-06	1.62E-07	3.04E-06	5.77E-08	4.27E-06
479	642120.09	4290642.63	642120.09, 429(	2.99548	2.99504	2.99548	3.1327	8.36E-07	1.34E-07	2.51E-06	4.75E-08	3.53E-06
480	642160.09	4290642.63	642160.09, 429(	2.52276	2.52242	2.52276	2.62811	7.04E-07	1.13E-07	2.11E-06	3.98E-08	2.97E-06
481	642200.09	4290642.63	642200.09, 429(	2.15918	2.15892	2.15918	2.24148	6.03E-07	9.64E-08	1.81E-06	3.40E-08	2.54E-06
482	642240.09	4290642.63	642240.09, 429(	1.87107	1.87086	1.87107	1.93618	5.22E-07	8.36E-08	1.57E-06	2.94E-08	2.20E-06
483	642280.09	4290642.63	642280.09, 429(	1.63948	1.63931	1.63948	1.69166	4.58E-07	7.32E-08	1.37E-06	2.56E-08	1.93E-06
484	642320.09	4290642.63	642320.09, 429(	1.45035	1.45021	1.45035	1.49265	4.05E-07	6.48E-08	1.21E-06	2.26E-08	1.71E-06
485	642360.09	4290642.63	642360.09, 429(	1.29371	1.29359	1.29371	1.32835	3.61E-07	5.78E-08	1.08E-06	2.01E-08	1.52E-06
486	642400.09	4290642.63	642400.09, 429(	1.16238	1.16228	1.16238	1.191	3.24E-07	5.19E-08	9.73E-07	1.81E-08	1.37E-06

487	642440.09	4290642.63	642440.09, 429(	1.05109	1.05101	1.05109	1.07493	2.93E-07	4.69E-08	8.80E-07	1.63E-08	1.24E-06
488	642480.09	4290642.63	642480.09, 429(	0.9559	0.95583	0.9559	0.97589	2.67E-07	4.27E-08	8.01E-07	1.48E-08	1.12E-06
489	642520.09	4290642.63	642520.09, 429(	0.87374	0.87368	0.87374	0.89061	2.44E-07	3.90E-08	7.32E-07	1.35E-08	1.03E-06
490	642560.09	4290642.63	642560.09, 429(	0.80227	0.80221	0.80227	0.81658	2.24E-07	3.58E-08	6.72E-07	1.24E-08	9.44E-07
491	642600.09	4290642.63	642600.09, 429(	0.73938	0.73933	0.73938	0.75157	2.06E-07	3.30E-08	6.19E-07	1.14E-08	8.70E-07
492	641920.09	4290682.63	641920.09, 429(	9.8921	9.88948	9.8921	10.05128	2.76E-06	4.42E-07	8.28E-06	1.52E-07	1.16E-05
493	641960.09	4290682.63	641960.09, 429(	7.20467	7.20305	7.20467	7.37633	2.01E-06	3.22E-07	6.03E-06	1.12E-07	8.48E-06
494	642000.09	4290682.63	642000.09, 429(	5.49677	5.49569	5.49677	5.66051	1.53E-06	2.45E-07	4.60E-06	8.58E-08	6.47E-06
495	642040.09	4290682.63	642040.09, 429(	4.3445	4.34375	4.3445	4.48963	1.21E-06	1.94E-07	3.64E-06	6.81E-08	5.11E-06
496	642080.09	4290682.63	642080.09, 429(	3.52916	3.52861	3.52916	3.65284	9.85E-07	1.58E-07	2.96E-06	5.54E-08	4.15E-06
497	642120.09	4290682.63	642120.09, 429(	2.93005	2.92964	2.93005	3.03345	8.18E-07	1.31E-07	2.45E-06	4.60E-08	3.45E-06
498	642160.09	4290682.63	642160.09, 429(	2.47685	2.47653	2.47685	2.56271	6.91E-07	1.11E-07	2.07E-06	3.89E-08	2.92E-06
499	642200.09	4290682.63	642200.09, 429(	2.12584	2.12559	2.12584	2.19714	5.93E-07	9.49E-08	1.78E-06	3.33E-08	2.50E-06
500	642240.09	4290682.63	642240.09, 429(	1.84623	1.84603	1.84623	1.90548	5.15E-07	8.24E-08	1.55E-06	2.89E-08	2.17E-06
501	642280.09	4290682.63	642280.09, 429(	1.62069	1.62052	1.62069	1.67014	4.52E-07	7.24E-08	1.36E-06	2.53E-08	1.91E-06
502	642320.09	4290682.63	642320.09, 429(	1.43589	1.43575	1.43589	1.47738	4.01E-07	6.41E-08	1.20E-06	2.24E-08	1.69E-06
503	642360.09	4290682.63	642360.09, 429(	1.28243	1.28231	1.28243	1.31743	3.58E-07	5.73E-08	1.07E-06	2.00E-08	1.51E-06
504	642400.09	4290682.63	642400.09, 429(	1.15345	1.15335	1.15345	1.18313	3.22E-07	5.15E-08	9.66E-07	1.79E-08	1.36E-06
505	642440.09	4290682.63	642440.09, 429(	1.04394	1.04385	1.04394	1.06922	2.91E-07	4.66E-08	8.74E-07	1.62E-08	1.23E-06
506	642480.09	4290682.63	642480.09, 429(	0.95009	0.95002	0.95009	0.97174	2.65E-07	4.24E-08	7.96E-07	1.47E-08	1.12E-06
507	642520.09	4290682.63	642520.09, 429(	0.86901	0.86894	0.86901	0.88761	2.43E-07	3.88E-08	7.28E-07	1.35E-08	1.02E-06
508	642560.09	4290682.63	642560.09, 429(	0.79838	0.79832	0.79838	0.81443	2.23E-07	3.57E-08	6.69E-07	1.23E-08	9.39E-07
509	642600.09	4290682.63	642600.09, 429(	0.73625	0.7362	0.73625	0.75014	2.06E-07	3.29E-08	6.17E-07	1.14E-08	8.66E-07
510	641920.09	4290722.63	641920.09, 429(	8.90904	8.90695	8.90904	8.84672	2.49E-06	3.98E-07	7.46E-06	1.34E-07	1.05E-05
511	641960.09	4290722.63	641960.09, 429(	6.65865	6.6573	6.65865	6.64127	1.86E-06	2.97E-07	5.58E-06	1.01E-07	7.83E-06
512	642000.09	4290722.63	642000.09, 429(	5.17157	5.17064	5.17157	5.18697	1.44E-06	2.31E-07	4.33E-06	7.86E-08	6.08E-06
513	642040.09	4290722.63	642040.09, 429(	4.1386	4.13794	4.1386	4.17641	1.16E-06	1.85E-07	3.47E-06	6.33E-08	4.87E-06
514	642080.09	4290722.63	642080.09, 429(	3.39247	3.39198	3.39247	3.44207	9.47E-07	1.51E-07	2.84E-06	5.22E-08	3.99E-06
515	642120.09	4290722.63	642120.09, 429(	2.83586	2.83549	2.83586	2.88918	7.92E-07	1.27E-07	2.37E-06	4.38E-08	3.34E-06
516	642160.09	4290722.63	642160.09, 429(	2.41051	2.41022	2.41051	2.46267	6.73E-07	1.08E-07	2.02E-06	3.73E-08	2.84E-06
517	642200.09	4290722.63	642200.09, 429(	2.07782	2.07758	2.07782	2.12637	5.80E-07	9.28E-08	1.74E-06	3.22E-08	2.45E-06
518	642240.09	4290722.63	642240.09, 429(	1.81084	1.81065	1.81084	1.85474	5.05E-07	8.09E-08	1.52E-06	2.81E-08	2.13E-06
519	642280.09	4290722.63	642280.09, 429(	1.59407	1.59391	1.59407	1.63319	4.45E-07	7.12E-08	1.33E-06	2.48E-08	1.88E-06
520	642320.09	4290722.63	642320.09, 429(	1.41559	1.41546	1.41559	1.45018	3.95E-07	6.32E-08	1.19E-06	2.20E-08	1.67E-06
521	642360.09	4290722.63	642360.09, 429(	1.26671	1.26661	1.26671	1.29718	3.54E-07	5.66E-08	1.06E-06	1.97E-08	1.49E-06
522	642400.09	4290722.63	642400.09, 429(	1.14114	1.14105	1.14114	1.16794	3.19E-07	5.10E-08	9.56E-07	1.77E-08	1.34E-06
523	642440.09	4290722.63	642440.09, 429(	1.03421	1.03413	1.03421	1.05777	2.89E-07	4.62E-08	8.66E-07	1.60E-08	1.22E-06
524	642480.09	4290722.63	642480.09, 429(	0.94232	0.94225	0.94232	0.96305	2.63E-07	4.21E-08	7.89E-07	1.46E-08	1.11E-06
525	642520.09	4290722.63	642520.09, 429(	0.86272	0.86266	0.86272	0.88098	2.41E-07	3.85E-08	7.22E-07	1.34E-08	1.02E-06
526	642560.09	4290722.63	642560.09, 429(	0.79327	0.79322	0.79327	0.80937	2.21E-07	3.54E-08	6.64E-07	1.23E-08	9.33E-07
527	642600.09	4290722.63	642600.09, 429(	0.73213	0.73208	0.73213	0.74635	2.04E-07	3.27E-08	6.13E-07	1.13E-08	8.61E-07
528	641920.09	4290762.63	641920.09, 429(	7.94488	7.94316	7.94488	7.81866	2.22E-06	3.55E-07	6.65E-06	1.19E-07	9.34E-06
529	641960.09	4290762.63	641960.09, 429(	6.06155	6.06042	6.06155	5.98912	1.69E-06	2.71E-07	5.08E-06	9.08E-08	7.13E-06
530	642000.09	4290762.63	642000.09, 429(	4.78742	4.78663	4.78742	4.74412	1.34E-06	2.14E-07	4.01E-06	7.19E-08	5.63E-06
531	642040.09	4290762.63	642040.09, 429(	3.88443	3.88385	3.88443	3.86148	1.08E-06	1.73E-07	3.25E-06	5.85E-08	4.57E-06
532	642080.09	4290762.63	642080.09, 429(	3.21889	3.21846	3.21889	3.21319	8.99E-07	1.44E-07	2.70E-06	4.87E-08	3.79E-06
533	642120.09	4290762.63	642120.09, 429(	2.71406	2.71372	2.71406	2.72176	7.58E-07	1.21E-07	2.27E-06	4.13E-08	3.19E-06
534	642160.09	4290762.63	642160.09, 429(	2.32292	2.32266	2.32292	2.33959	6.48E-07	1.04E-07	1.95E-06	3.55E-08	2.73E-06
535	642200.09	4290762.63	642200.09, 429(	2.01323	2.01301	2.01323	2.03498	5.62E-07	8.99E-08	1.69E-06	3.09E-08	2.37E-06
536	642240.09	4290762.63	642240.09, 429(	1.76256	1.76238	1.76256	1.78659	4.92E-07	7.87E-08	1.48E-06	2.71E-08	2.07E-06
537	642280.09	4290762.63	642280.09, 429(	1.55746	1.55732	1.55746	1.58192	4.35E-07	6.96E-08	1.30E-06	2.40E-08	1.83E-06
538	642320.09	4290762.63	642320.09, 429(	1.38747	1.38734	1.38747	1.41125	3.87E-07	6.20E-08	1.16E-06	2.14E-08	1.63E-06
539	642360.09	4290762.63	642360.09, 429(	1.24484	1.24474	1.24484	1.26736	3.47E-07	5.56E-08	1.04E-06	1.92E-08	1.46E-06
540	642400.09	4290762.63	642400.09, 429(	1.12396	1.12387	1.12396	1.14492	3.14E-07	5.02E-08	9.41E-07	1.74E-08	1.32E-06
541	642440.09	4290762.63	642440.09, 429(	1.02055	1.02048	1.02055	1.03986	2.85E-07	4.56E-08	8.55E-07	1.58E-08	1.20E-06
542	642480.09	4290762.63	642480.09, 429(	0.93134	0.93128	0.93134	0.949	2.60E-07	4.16E-08	7.80E-07	1.44E-08	1.10E-06
543	642520.09	4290762.63	642520.09, 429(	0.85386	0.8538	0.85386	0.86993	2.38E-07	3.81E-08	7.15E-07	1.32E-08	1.00E-06
544	642560.09	4290762.63	642560.09, 429(	0.78606	0.78601	0.78606	0.80064	2.19E-07	3.51E-08	6.58E-07	1.21E-08	9.25E-07
545	642600.09	4290762.63	642600.09, 429(	0.72628	0.72624	0.72628	0.73949	2.03E-07	3.24E-08	6.08E-07	1.12E-08	8.55E-07
546	641920.09	4290802.63	641920.09, 429(	7.09017	7.08876	7.09017	6.93636	1.98E-06	3.17E-07	5.94E-06	1.05E-07	8.34E-06
547	641960.09	4290802.63	641960.09, 429(	5.5066	5.50564	5.5066	5.41597	1.54E-06	2.46E-07	4.61E-06	8.21E-08	6.48E-06
548	642000.09	4290802.63	642000.09, 429(	4.40993	4.40925	4.40993	4.35179	1.23E-06	1.97E-07	3.69E-06	6.60E-08	5.19E-06
549	642040.09	4290802.63	642040.09, 429(	3.61842	3.61791	3.61842	3.57734	1.01E-06	1.62E-07	3.03E-06	5.42E-08	4.26E-06
550	642080.09	4290802.63	642080.09, 429(	3.02805	3.02766	3.02805	2.99851	8.45E-07	1.35E-07	2.54E-06	4.55E-08	3.56E-06
551	642120.09	4290802.63	642120.09, 429(	2.5748	2.5745	2.5748	2.55561	7.19E-07	1.15E-07	2.16E-06	3.87E-08	3.03E-06
552	642160.09	4290802.63	642160.09, 429(	2.21972	2.21948	2.21972	2.21014	6.20E-07	9.91E-08	1.86E-06	3.35E-08	2.61E-06
553	642200.09	4290802.63	642200.09, 429(	1.93533	1.93513	1.93533	1.93382	5.40E-07	8.64E-08	1.62E-06	2.93E-08	2.28E-06
554	642240.09	4290802.63	642240.09, 429(	1.70315	1.70299	1.70315	1.70775	4.75E-07	7.61E-08	1.43E-06	2.59E-08	2.00E-06
555	642280.09	4290802.63	642280.09, 429(	1.51159	1.51146	1.51159	1.52037	4.22E-07	6.75E-08	1.27E-06	2.31E-08	1.78E-06
556	642320.09	4290802.63	642320.09, 429(	1.35165	1.35153	1.35165	1.36304	3.77E-07	6.04E-08	1.13E-06	2.07E-08	1.59E-06
557	642360.09	4290802.63	642360.09, 429(	1.21658	1.21649	1.21658	1.22941	3.40E-07	5.43E-08	1.02E-06	1.86E-08	1.43E-06

558	642400.09	4290802.63	642400.09, 429(	1.10147	1.10138	1.10147	1.11488	3.07E-07	4.92E-08	9.22E-07	1.69E-08	1.30E-06
559	642440.09	4290802.63	642440.09, 429(	1.00249	1.00242	1.00249	1.01593	2.80E-07	4.48E-08	8.40E-07	1.54E-08	1.18E-06
560	642480.09	4290802.63	642480.09, 429(	0.91676	0.9167	0.91676	0.92986	2.56E-07	4.09E-08	7.68E-07	1.41E-08	1.08E-06
561	642520.09	4290802.63	642520.09, 429(	0.84199	0.84193	0.84199	0.85453	2.35E-07	3.76E-08	7.05E-07	1.30E-08	9.91E-07
562	642560.09	4290802.63	642560.09, 429(	0.77633	0.77628	0.77633	0.7882	2.17E-07	3.47E-08	6.50E-07	1.20E-08	9.13E-07
563	642600.09	4290802.63	642600.09, 429(	0.71828	0.71824	0.71828	0.72942	2.01E-07	3.21E-08	6.02E-07	1.11E-08	8.45E-07
564	641920.09	4290842.63	641920.09, 429(	6.3532	6.35203	6.3532	6.18313	1.77E-06	2.84E-07	5.32E-06	9.37E-08	7.47E-06
565	641960.09	4290842.63	641960.09, 429(	5.01605	5.01523	5.01605	4.91377	1.40E-06	2.24E-07	4.20E-06	7.45E-08	5.90E-06
566	642000.09	4290842.63	642000.09, 429(	4.0655	4.06491	4.0655	4.00115	1.13E-06	1.82E-07	3.40E-06	6.07E-08	4.78E-06
567	642040.09	4290842.63	642040.09, 429(	3.36907	3.36863	3.36907	3.32453	9.40E-07	1.50E-07	2.82E-06	5.04E-08	3.96E-06
568	642080.09	4290842.63	642080.09, 429(	2.84165	2.84131	2.84165	2.80719	7.93E-07	1.27E-07	2.38E-06	4.26E-08	3.34E-06
569	642120.09	4290842.63	642120.09, 429(	2.43215	2.43188	2.43215	2.40415	6.79E-07	1.09E-07	2.04E-06	3.64E-08	2.86E-06
570	642160.09	4290842.63	642160.09, 429(	2.11017	2.10995	2.11017	2.08802	5.89E-07	9.42E-08	1.77E-06	3.17E-08	2.48E-06
571	642200.09	4290842.63	642200.09, 429(	1.85016	1.84998	1.85016	1.83415	5.16E-07	8.26E-08	1.55E-06	2.78E-08	2.18E-06
572	642240.09	4290842.63	642240.09, 429(	1.63644	1.63629	1.63644	1.62644	4.57E-07	7.31E-08	1.37E-06	2.47E-08	1.92E-06
573	642280.09	4290842.63	642280.09, 429(	1.45891	1.45879	1.45891	1.45424	4.07E-07	6.52E-08	1.22E-06	2.20E-08	1.72E-06
574	642320.09	4290842.63	642320.09, 429(	1.30969	1.30958	1.30969	1.30933	3.66E-07	5.85E-08	1.10E-06	1.99E-08	1.54E-06
575	642360.09	4290842.63	642360.09, 429(	1.18293	1.18284	1.18293	1.18584	3.30E-07	5.28E-08	9.91E-07	1.80E-08	1.39E-06
576	642400.09	4290842.63	642400.09, 429(	1.07428	1.0742	1.07428	1.07951	3.00E-07	4.80E-08	9.00E-07	1.64E-08	1.26E-06
577	642440.09	4290842.63	642440.09, 429(	0.98039	0.98032	0.98039	0.98716	2.74E-07	4.38E-08	8.21E-07	1.50E-08	1.15E-06
578	642480.09	4290842.63	642480.09, 429(	0.89868	0.89862	0.89868	0.90638	2.51E-07	4.01E-08	7.53E-07	1.37E-08	1.06E-06
579	642520.09	4290842.63	642520.09, 429(	0.8271	0.82705	0.8271	0.8353	2.31E-07	3.69E-08	6.93E-07	1.27E-08	9.73E-07
580	642560.09	4290842.63	642560.09, 429(	0.76398	0.76394	0.76398	0.77235	2.13E-07	3.41E-08	6.40E-07	1.17E-08	8.99E-07
581	642600.09	4290842.63	642600.09, 429(	0.70809	0.70805	0.70809	0.71641	1.98E-07	3.16E-08	5.93E-07	1.09E-08	8.33E-07
582	641920.09	4290882.63	641920.09, 429(	5.69839	5.69742	5.69839	5.52706	1.59E-06	2.54E-07	4.77E-06	8.38E-08	6.70E-06
583	641960.09	4290882.63	641960.09, 429(	4.57402	4.57332	4.57402	4.46553	1.28E-06	2.04E-07	3.83E-06	6.77E-08	5.38E-06
584	642000.09	4290882.63	642000.09, 429(	3.75504	3.75452	3.75504	3.68395	1.05E-06	1.68E-07	3.14E-06	5.59E-08	4.42E-06
585	642040.09	4290882.63	642040.09, 429(	3.14044	3.14005	3.14044	3.09328	8.77E-07	1.40E-07	2.63E-06	4.69E-08	3.69E-06
586	642080.09	4290882.63	642080.09, 429(	2.66925	2.66894	2.66925	2.63478	7.45E-07	1.19E-07	2.24E-06	3.99E-08	3.14E-06
587	642120.09	4290882.63	642120.09, 429(	2.30054	2.30029	2.30054	2.27202	6.42E-07	1.03E-07	1.93E-06	3.44E-08	2.71E-06
588	642160.09	4290882.63	642160.09, 429(	2.0032	2.003	2.0032	1.97852	5.59E-07	8.95E-08	1.68E-06	3.00E-08	2.36E-06
589	642200.09	4290882.63	642200.09, 429(	1.76414	1.76398	1.76414	1.74275	4.92E-07	7.88E-08	1.48E-06	2.64E-08	2.08E-06
590	642240.09	4290882.63	642240.09, 429(	1.56707	1.56694	1.56707	1.54947	4.37E-07	7.00E-08	1.31E-06	2.35E-08	1.84E-06
591	642280.09	4290882.63	642280.09, 429(	1.4027	1.40258	1.4027	1.38925	3.92E-07	6.26E-08	1.17E-06	2.11E-08	1.65E-06
592	642320.09	4290882.63	642320.09, 429(	1.26391	1.26382	1.26391	1.25459	3.53E-07	5.64E-08	1.06E-06	1.90E-08	1.49E-06
593	642360.09	4290882.63	642360.09, 429(	1.14548	1.1454	1.14548	1.13991	3.20E-07	5.12E-08	9.59E-07	1.73E-08	1.35E-06
594	642400.09	4290882.63	642400.09, 429(	1.04353	1.04346	1.04353	1.04112	2.91E-07	4.66E-08	8.74E-07	1.58E-08	1.23E-06
595	642440.09	4290882.63	642440.09, 429(	0.95502	0.95496	0.95502	0.95514	2.67E-07	4.27E-08	8.00E-07	1.45E-08	1.12E-06
596	642480.09	4290882.63	642480.09, 429(	0.87764	0.87758	0.87764	0.87968	2.45E-07	3.92E-08	7.35E-07	1.33E-08	1.03E-06
597	642520.09	4290882.63	642520.09, 429(	0.80958	0.80953	0.80958	0.81301	2.26E-07	3.62E-08	6.78E-07	1.23E-08	9.52E-07
598	642560.09	4290882.63	642560.09, 429(	0.74935	0.7493	0.74935	0.75375	2.09E-07	3.35E-08	6.28E-07	1.14E-08	8.82E-07
599	642600.09	4290882.63	642600.09, 429(	0.69578	0.69574	0.69578	0.70081	1.94E-07	3.11E-08	5.83E-07	1.06E-08	8.19E-07
600	641450.64	4290754.44	641450.64, 429(	6.23342	6.23479	6.23342	5.66375	1.74E-06	2.78E-07	5.22E-06	8.59E-08	7.32E-06
601	641490.64	4290754.44	641490.64, 429(	8.39303	8.39522	8.39303	7.55045	2.34E-06	3.75E-07	7.03E-06	1.14E-07	9.86E-06
602	641530.64	4290754.44	641530.64, 429(	11.98376	11.98752	11.98376	10.59006	3.35E-06	5.35E-07	1.00E-05	1.61E-07	1.41E-05
603	641570.64	4290754.44	641570.64, 429(	18.16254	18.16924	18.16254	15.54421	5.07E-06	8.11E-07	1.52E-05	2.36E-07	2.13E-05
604	641610.64	4290754.44	641610.64, 429(	28.76942	28.78097	28.76942	23.21355	8.03E-06	1.29E-06	2.41E-05	3.52E-07	3.38E-05
605	641650.64	4290754.44	641650.64, 429(	43.85558	43.87113	43.85558	32.76409	1.22E-05	1.96E-06	3.67E-05	4.97E-07	5.14E-05
606	641450.64	4290794.44	641450.64, 429(	6.4616	6.46305	6.4616	5.85015	1.80E-06	2.89E-07	5.41E-06	8.87E-08	7.59E-06
607	641490.64	4290794.44	641490.64, 429(	8.72214	8.72441	8.72214	7.79291	2.43E-06	3.90E-07	7.30E-06	1.18E-07	1.02E-05
608	641530.64	4290794.44	641530.64, 429(	12.26082	12.26446	12.26082	10.72863	3.42E-06	5.48E-07	1.03E-05	1.63E-07	1.44E-05
609	641570.64	4290794.44	641570.64, 429(	17.68473	17.69037	17.68473	14.98518	4.94E-06	7.90E-07	1.48E-05	2.27E-07	2.08E-05
610	641610.64	4290794.44	641610.64, 429(	25.13329	25.14096	25.13329	20.38307	7.02E-06	1.12E-06	2.10E-05	3.09E-07	2.95E-05
611	641650.64	4290794.44	641650.64, 429(	33.00361	33.01134	33.00361	25.61105	9.21E-06	1.47E-06	2.76E-05	3.88E-07	3.87E-05
612	641450.64	4290834.44	641450.64, 429(	6.63085	6.63231	6.63085	5.99081	1.85E-06	2.96E-07	5.55E-06	9.08E-08	7.79E-06
613	641490.64	4290834.44	641490.64, 429(	8.82742	8.82959	8.82742	7.87011	2.46E-06	3.94E-07	7.39E-06	1.19E-07	1.04E-05
614	641530.64	4290834.44	641530.64, 429(	11.97552	11.97867	11.97552	10.47628	3.34E-06	5.35E-07	1.00E-05	1.59E-07	1.41E-05
615	641570.64	4290834.44	641570.64, 429(	16.19775	16.20197	16.19775	13.79055	4.52E-06	7.24E-07	1.36E-05	2.09E-07	1.90E-05
616	641610.64	4290834.44	641610.64, 429(	21.05121	21.05601	21.05121	17.34952	5.88E-06	9.40E-07	1.76E-05	2.63E-07	2.47E-05
617	641650.64	4290834.44	641650.64, 429(	25.11969	25.12367	25.11969	20.16811	7.01E-06	1.12E-06	2.10E-05	3.06E-07	2.95E-05
618	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	0	0	0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

629	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	0	0 0, 0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Residential Operational Risk - Total TOG (Benzene, Ethylbenzene, Naphthalene)

Discrete Receptor ID

	X	Y	X, Y	Benzene Risk	Ethylbenzene Risk	Naphthalene Risk	Total TOG Risk
1	641284.31	4290506.68	641284.31, 429(	2.6E-08	2.1E-09	3.2E-09	3.1E-08
2	641324.31	4290506.68	641324.31, 429(	3.0E-08	2.5E-09	3.8E-09	3.6E-08
3	641364.31	4290506.68	641364.31, 429(	3.6E-08	2.9E-09	4.5E-09	4.3E-08
4	641404.31	4290506.68	641404.31, 429(	4.3E-08	3.5E-09	5.4E-09	5.2E-08
5	641284.31	4290546.68	641284.31, 429(	2.6E-08	2.2E-09	3.3E-09	3.2E-08
6	641324.31	4290546.68	641324.31, 429(	3.1E-08	2.5E-09	3.9E-09	3.7E-08
7	641364.31	4290546.68	641364.31, 429(	3.7E-08	3.0E-09	4.6E-09	4.5E-08
8	641404.31	4290546.68	641404.31, 429(	4.5E-08	3.7E-09	5.6E-09	5.5E-08
9	641284.31	4290586.68	641284.31, 429(	2.7E-08	2.2E-09	3.4E-09	3.3E-08
10	641324.31	4290586.68	641324.31, 429(	3.2E-08	2.6E-09	3.9E-09	3.8E-08
11	641364.31	4290586.68	641364.31, 429(	3.8E-08	3.1E-09	4.7E-09	4.6E-08
12	641404.31	4290586.68	641404.31, 429(	4.7E-08	3.8E-09	5.8E-09	5.6E-08
13	641284.31	4290626.68	641284.31, 429(	2.8E-08	2.2E-09	3.4E-09	3.3E-08
14	641324.31	4290626.68	641324.31, 429(	3.2E-08	2.6E-09	4.0E-09	3.9E-08
15	641364.31	4290626.68	641364.31, 429(	3.9E-08	3.1E-09	4.8E-09	4.7E-08
16	641404.31	4290626.68	641404.31, 429(	4.8E-08	3.8E-09	5.8E-09	5.7E-08
17	641284.31	4290666.68	641284.31, 429(	2.8E-08	2.3E-09	3.4E-09	3.4E-08
18	641324.31	4290666.68	641324.31, 429(	3.3E-08	2.7E-09	4.0E-09	4.0E-08
19	641364.31	4290666.68	641364.31, 429(	4.0E-08	3.2E-09	4.8E-09	4.8E-08
20	641404.31	4290666.68	641404.31, 429(	4.9E-08	3.9E-09	5.9E-09	5.8E-08
21	641284.31	4290706.68	641284.31, 429(	2.8E-08	2.3E-09	3.5E-09	3.4E-08
22	641324.31	4290706.68	641324.31, 429(	3.3E-08	2.7E-09	4.1E-09	4.0E-08
23	641364.31	4290706.68	641364.31, 429(	4.0E-08	3.2E-09	4.9E-09	4.8E-08
24	641404.31	4290706.68	641404.31, 429(	4.9E-08	3.9E-09	6.0E-09	5.9E-08
25	641284.31	4290746.68	641284.31, 429(	2.9E-08	2.3E-09	3.5E-09	3.4E-08
26	641324.31	4290746.68	641324.31, 429(	3.4E-08	2.7E-09	4.1E-09	4.1E-08
27	641364.31	4290746.68	641364.31, 429(	4.1E-08	3.3E-09	5.0E-09	4.9E-08
28	641404.31	4290746.68	641404.31, 429(	5.1E-08	4.0E-09	6.1E-09	6.1E-08
29	641284.31	4290786.68	641284.31, 429(	2.9E-08	2.3E-09	3.5E-09	3.5E-08
30	641324.31	4290786.68	641324.31, 429(	3.4E-08	2.7E-09	4.2E-09	4.1E-08
31	641364.31	4290786.68	641364.31, 429(	4.2E-08	3.3E-09	5.0E-09	5.0E-08
32	641404.31	4290786.68	641404.31, 429(	5.2E-08	4.1E-09	6.3E-09	6.2E-08
33	641284.31	4290826.68	641284.31, 429(	2.9E-08	2.4E-09	3.6E-09	3.5E-08
34	641324.31	4290826.68	641324.31, 429(	3.5E-08	2.8E-09	4.3E-09	4.2E-08
35	641364.31	4290826.68	641364.31, 429(	4.3E-08	3.4E-09	5.2E-09	5.1E-08
36	641404.31	4290826.68	641404.31, 429(	5.3E-08	4.2E-09	6.4E-09	6.4E-08
37	641284.31	4290866.68	641284.31, 429(	3.0E-08	2.4E-09	3.7E-09	3.6E-08
38	641324.31	4290866.68	641324.31, 429(	3.6E-08	2.9E-09	4.4E-09	4.3E-08
39	641364.31	4290866.68	641364.31, 429(	4.4E-08	3.5E-09	5.3E-09	5.3E-08
40	641404.31	4290866.68	641404.31, 429(	5.5E-08	4.3E-09	6.6E-09	6.6E-08
41	641268.28	4290889.76	641268.28, 429(	2.8E-08	2.3E-09	3.5E-09	3.4E-08
42	641308.28	4290889.76	641308.28, 429(	3.4E-08	2.7E-09	4.1E-09	4.1E-08
43	641348.28	4290889.76	641348.28, 429(	4.1E-08	3.3E-09	4.9E-09	4.9E-08
44	641388.28	4290889.76	641388.28, 429(	5.0E-08	4.0E-09	6.1E-09	6.0E-08
45	641428.28	4290889.76	641428.28, 429(	6.3E-08	5.0E-09	7.6E-09	7.6E-08
46	641468.28	4290889.76	641468.28, 429(	8.1E-08	6.4E-09	9.6E-09	9.7E-08
47	641508.28	4290889.76	641508.28, 429(	1.0E-07	8.1E-09	1.2E-08	1.2E-07
48	641548.28	4290889.76	641548.28, 429(	1.3E-07	1.0E-08	1.5E-08	1.5E-07
49	641588.28	4290889.76	641588.28, 429(	1.6E-07	1.2E-08	1.8E-08	1.9E-07
50	641628.28	4290889.76	641628.28, 429(	1.8E-07	1.4E-08	2.1E-08	2.1E-07
51	642188.28	4290889.76	642188.28, 429(	2.0E-08	1.7E-09	2.6E-09	2.5E-08
52	642228.28	4290889.76	642228.28, 429(	1.8E-08	1.5E-09	2.3E-09	2.2E-08
53	642268.28	4290889.76	642268.28, 429(	1.6E-08	1.3E-09	2.0E-09	2.0E-08
54	642308.28	4290889.76	642308.28, 429(	1.5E-08	1.2E-09	1.8E-09	1.8E-08
55	642348.28	4290889.76	642348.28, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
56	642388.28	4290889.76	642388.28, 429(	1.2E-08	9.9E-10	1.5E-09	1.5E-08
57	642428.28	4290889.76	642428.28, 429(	1.1E-08	9.1E-10	1.4E-09	1.3E-08
58	641268.28	4290929.76	641268.28, 429(	2.9E-08	2.3E-09	3.5E-09	3.5E-08
59	641308.28	4290929.76	641308.28, 429(	3.4E-08	2.8E-09	4.2E-09	4.1E-08
60	641348.28	4290929.76	641348.28, 429(	4.2E-08	3.3E-09	5.0E-09	5.0E-08
61	641388.28	4290929.76	641388.28, 429(	5.1E-08	4.1E-09	6.1E-09	6.1E-08
62	641428.28	4290929.76	641428.28, 429(	6.3E-08	5.0E-09	7.6E-09	7.6E-08
63	641468.28	4290929.76	641468.28, 429(	7.8E-08	6.2E-09	9.4E-09	9.4E-08
64	641508.28	4290929.76	641508.28, 429(	9.6E-08	7.6E-09	1.1E-08	1.2E-07
65	641548.28	4290929.76	641548.28, 429(	1.2E-07	9.1E-09	1.4E-08	1.4E-07
66	641588.28	4290929.76	641588.28, 429(	1.3E-07	1.0E-08	1.6E-08	1.6E-07
67	641628.28	4290929.76	641628.28, 429(	1.5E-07	1.1E-08	1.7E-08	1.8E-07
68	642188.28	4290929.76	642188.28, 429(	1.9E-08	1.6E-09	2.4E-09	2.3E-08
69	642228.28	4290929.76	642228.28, 429(	1.7E-08	1.4E-09	2.2E-09	2.1E-08
70	642268.28	4290929.76	642268.28, 429(	1.5E-08	1.3E-09	2.0E-09	1.9E-08
71	642308.28	4290929.76	642308.28, 429(	1.4E-08	1.1E-09	1.8E-09	1.7E-08
72	642348.28	4290929.76	642348.28, 429(	1.3E-08	1.0E-09	1.6E-09	1.5E-08
73	642388.28	4290929.76	642388.28, 429(	1.2E-08	9.5E-10	1.5E-09	1.4E-08
74	642428.28	4290929.76	642428.28, 429(	1.1E-08	8.7E-10	1.3E-09	1.3E-08
75	641268.28	4290969.76	641268.28, 429(	3.0E-08	2.4E-09	3.6E-09	3.5E-08
76	641308.28	4290969.76	641308.28, 429(	3.5E-08	2.8E-09	4.3E-09	4.2E-08
77	641348.28	4290969.76	641348.28, 429(	4.2E-08	3.3E-09	5.1E-09	5.0E-08
78	641388.28	4290969.76	641388.28, 429(	5.1E-08	4.0E-09	6.1E-09	6.1E-08

79	641428.28	4290969.76	641428.28, 429(	6.2E-08	4.9E-09	7.5E-09	7.4E-08
80	641468.28	4290969.76	641468.28, 429(	7.5E-08	5.9E-09	9.0E-09	9.0E-08
81	641508.28	4290969.76	641508.28, 429(	8.9E-08	7.0E-09	1.1E-08	1.1E-07
82	641548.28	4290969.76	641548.28, 429(	1.0E-07	8.1E-09	1.2E-08	1.2E-07
83	641588.28	4290969.76	641588.28, 429(	1.1E-07	9.0E-09	1.4E-08	1.4E-07
84	641628.28	4290969.76	641628.28, 429(	1.2E-07	9.5E-09	1.4E-08	1.5E-07
85	641668.28	4290969.76	641668.28, 429(	1.2E-07	9.6E-09	1.4E-08	1.5E-07
86	641708.28	4290969.76	641708.28, 429(	1.2E-07	9.3E-09	1.4E-08	1.4E-07
87	641748.28	4290969.76	641748.28, 429(	1.1E-07	8.5E-09	1.3E-08	1.3E-07
88	641788.28	4290969.76	641788.28, 429(	9.4E-08	7.4E-09	1.1E-08	1.1E-07
89	641828.28	4290969.76	641828.28, 429(	7.9E-08	6.3E-09	9.6E-09	9.5E-08
90	641868.28	4290969.76	641868.28, 429(	6.5E-08	5.3E-09	8.0E-09	7.8E-08
91	641908.28	4290969.76	641908.28, 429(	5.4E-08	4.4E-09	6.7E-09	6.5E-08
92	641948.28	4290969.76	641948.28, 429(	4.4E-08	3.6E-09	5.5E-09	5.4E-08
93	642188.28	4290969.76	642188.28, 429(	1.8E-08	1.5E-09	2.3E-09	2.2E-08
94	642228.28	4290969.76	642228.28, 429(	1.6E-08	1.4E-09	2.1E-09	2.0E-08
95	642268.28	4290969.76	642268.28, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
96	642308.28	4290969.76	642308.28, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
97	642348.28	4290969.76	642348.28, 429(	1.2E-08	1.0E-09	1.5E-09	1.5E-08
98	642388.28	4290969.76	642388.28, 429(	1.1E-08	9.2E-10	1.4E-09	1.4E-08
99	642428.28	4290969.76	642428.28, 429(	1.0E-08	8.4E-10	1.3E-09	1.2E-08
100	641268.28	4291009.76	641268.28, 4291	3.0E-08	2.4E-09	3.6E-09	3.6E-08
101	641308.28	4291009.76	641308.28, 4291	3.5E-08	2.8E-09	4.3E-09	4.2E-08
102	641348.28	4291009.76	641348.28, 4291	4.2E-08	3.4E-09	5.1E-09	5.0E-08
103	641388.28	4291009.76	641388.28, 4291	5.0E-08	4.0E-09	6.1E-09	6.0E-08
104	641428.28	4291009.76	641428.28, 4291	6.0E-08	4.8E-09	7.2E-09	7.2E-08
105	641468.28	4291009.76	641468.28, 4291	7.0E-08	5.6E-09	8.5E-09	8.4E-08
106	641508.28	4291009.76	641508.28, 4291	8.1E-08	6.4E-09	9.7E-09	9.7E-08
107	641548.28	4291009.76	641548.28, 4291	9.1E-08	7.2E-09	1.1E-08	1.1E-07
108	641588.28	4291009.76	641588.28, 4291	9.9E-08	7.8E-09	1.2E-08	1.2E-07
109	641628.28	4291009.76	641628.28, 4291	1.0E-07	8.1E-09	1.2E-08	1.2E-07
110	641668.28	4291009.76	641668.28, 4291	1.0E-07	8.1E-09	1.2E-08	1.2E-07
111	641708.28	4291009.76	641708.28, 4291	9.9E-08	7.8E-09	1.2E-08	1.2E-07
112	641748.28	4291009.76	641748.28, 4291	9.0E-08	7.1E-09	1.1E-08	1.1E-07
113	641788.28	4291009.76	641788.28, 4291	8.0E-08	6.3E-09	9.6E-09	9.6E-08
114	641828.28	4291009.76	641828.28, 4291	6.8E-08	5.5E-09	8.3E-09	8.2E-08
115	641868.28	4291009.76	641868.28, 4291	5.7E-08	4.6E-09	7.1E-09	6.9E-08
116	641908.28	4291009.76	641908.28, 4291	4.8E-08	3.9E-09	6.0E-09	5.8E-08
117	641948.28	4291009.76	641948.28, 4291	4.1E-08	3.3E-09	5.1E-09	4.9E-08
118	642188.28	4291009.76	642188.28, 4291	1.8E-08	1.4E-09	2.2E-09	2.1E-08
119	642228.28	4291009.76	642228.28, 4291	1.6E-08	1.3E-09	2.0E-09	1.9E-08
120	642268.28	4291009.76	642268.28, 4291	1.4E-08	1.2E-09	1.8E-09	1.7E-08
121	642308.28	4291009.76	642308.28, 4291	1.3E-08	1.1E-09	1.6E-09	1.6E-08
122	642348.28	4291009.76	642348.28, 4291	1.2E-08	9.7E-10	1.5E-09	1.4E-08
123	642388.28	4291009.76	642388.28, 4291	1.1E-08	8.8E-10	1.4E-09	1.3E-08
124	642428.28	4291009.76	642428.28, 4291	9.9E-09	8.1E-10	1.3E-09	1.2E-08
125	641268.28	4291049.76	641268.28, 4291	3.0E-08	2.4E-09	3.7E-09	3.6E-08
126	641308.28	4291049.76	641308.28, 4291	3.5E-08	2.8E-09	4.3E-09	4.2E-08
127	641348.28	4291049.76	641348.28, 4291	4.2E-08	3.3E-09	5.1E-09	5.0E-08
128	641388.28	4291049.76	641388.28, 4291	4.9E-08	3.9E-09	5.9E-09	5.9E-08
129	641428.28	4291049.76	641428.28, 4291	5.7E-08	4.5E-09	6.9E-09	6.8E-08
130	641468.28	4291049.76	641468.28, 4291	6.5E-08	5.2E-09	7.9E-09	7.8E-08
131	641508.28	4291049.76	641508.28, 4291	7.3E-08	5.8E-09	8.9E-09	8.8E-08
132	641548.28	4291049.76	641548.28, 4291	8.0E-08	6.4E-09	9.6E-09	9.6E-08
133	641588.28	4291049.76	641588.28, 4291	8.5E-08	6.7E-09	1.0E-08	1.0E-07
134	641628.28	4291049.76	641628.28, 4291	8.8E-08	6.9E-09	1.0E-08	1.1E-07
135	641668.28	4291049.76	641668.28, 4291	8.7E-08	6.9E-09	1.0E-08	1.0E-07
136	641708.28	4291049.76	641708.28, 4291	8.3E-08	6.6E-09	9.9E-09	1.0E-07
137	641748.28	4291049.76	641748.28, 4291	7.7E-08	6.1E-09	9.2E-09	9.2E-08
138	641788.28	4291049.76	641788.28, 4291	6.8E-08	5.5E-09	8.3E-09	8.2E-08
139	641828.28	4291049.76	641828.28, 4291	6.0E-08	4.8E-09	7.3E-09	7.2E-08
140	641868.28	4291049.76	641868.28, 4291	5.1E-08	4.1E-09	6.3E-09	6.2E-08
141	641908.28	4291049.76	641908.28, 4291	4.4E-08	3.5E-09	5.4E-09	5.3E-08
142	641948.28	4291049.76	641948.28, 4291	3.7E-08	3.0E-09	4.6E-09	4.5E-08
143	642188.28	4291049.76	642188.28, 4291	1.7E-08	1.4E-09	2.1E-09	2.0E-08
144	642228.28	4291049.76	642228.28, 4291	1.5E-08	1.2E-09	1.9E-09	1.8E-08
145	642268.28	4291049.76	642268.28, 4291	1.4E-08	1.1E-09	1.7E-09	1.7E-08
146	642308.28	4291049.76	642308.28, 4291	1.2E-08	1.0E-09	1.6E-09	1.5E-08
147	642348.28	4291049.76	642348.28, 4291	1.1E-08	9.3E-10	1.4E-09	1.4E-08
148	642388.28	4291049.76	642388.28, 4291	1.0E-08	8.6E-10	1.3E-09	1.3E-08
149	642428.28	4291049.76	642428.28, 4291	9.6E-09	7.9E-10	1.2E-09	1.2E-08
150	641268.28	4291089.76	641268.28, 4291	3.0E-08	2.4E-09	3.7E-09	3.6E-08
151	641308.28	4291089.76	641308.28, 4291	3.5E-08	2.8E-09	4.3E-09	4.2E-08
152	641348.28	4291089.76	641348.28, 4291	4.1E-08	3.3E-09	5.0E-09	4.9E-08
153	641388.28	4291089.76	641388.28, 4291	4.7E-08	3.8E-09	5.7E-09	5.6E-08
154	641428.28	4291089.76	641428.28, 4291	5.4E-08	4.3E-09	6.5E-09	6.4E-08
155	641468.28	4291089.76	641468.28, 4291	6.0E-08	4.8E-09	7.3E-09	7.2E-08
156	641508.28	4291089.76	641508.28, 4291	6.6E-08	5.3E-09	8.0E-09	8.0E-08
157	641548.28	4291089.76	641548.28, 4291	7.1E-08	5.7E-09	8.6E-09	8.6E-08
158	641588.28	4291089.76	641588.28, 4291	7.5E-08	5.9E-09	8.9E-09	8.9E-08
159	641628.28	4291089.76	641628.28, 4291	7.6E-08	6.0E-09	9.0E-09	9.1E-08
160	641668.28	4291089.76	641668.28, 4291	7.5E-08	5.9E-09	8.9E-09	8.9E-08
161	641708.28	4291089.76	641708.28, 4291	7.1E-08	5.7E-09	8.6E-09	8.6E-08
162	641748.28	4291089.76	641748.28, 4291	6.6E-08	5.3E-09	8.0E-09	7.9E-08
163	641788.28	4291089.76	641788.28, 4291	5.9E-08	4.8E-09	7.2E-09	7.1E-08
164	641828.28	4291089.76	641828.28, 4291	5.2E-08	4.2E-09	6.4E-09	6.3E-08
165	641868.28	4291089.76	641868.28, 4291	4.6E-08	3.7E-09	5.6E-09	5.5E-08
166	641908.28	4291089.76	641908.28, 4291	4.0E-08	3.2E-09	4.9E-09	4.8E-08
167	641948.28	4291089.76	641948.28, 4291	3.4E-08	2.8E-09	4.3E-09	4.1E-08

168	641988.28	4291089.76	641988.28, 4291	3.0E-08	2.4E-09	3.7E-09	3.6E-08
169	642028.28	4291089.76	642028.28, 4291	2.6E-08	2.1E-09	3.2E-09	3.1E-08
170	642068.28	4291089.76	642068.28, 4291	2.3E-08	1.8E-09	2.8E-09	2.7E-08
171	642108.28	4291089.76	642108.28, 4291	2.0E-08	1.6E-09	2.5E-09	2.4E-08
172	642148.28	4291089.76	642148.28, 4291	1.8E-08	1.5E-09	2.2E-09	2.2E-08
173	641268.28	4291129.76	641268.28, 4291	3.0E-08	2.4E-09	3.7E-09	3.6E-08
174	641308.28	4291129.76	641308.28, 4291	3.4E-08	2.8E-09	4.2E-09	4.1E-08
175	641348.28	4291129.76	641348.28, 4291	3.9E-08	3.2E-09	4.8E-09	4.7E-08
176	641388.28	4291129.76	641388.28, 4291	4.5E-08	3.6E-09	5.5E-09	5.4E-08
177	641428.28	4291129.76	641428.28, 4291	5.0E-08	4.0E-09	6.1E-09	6.0E-08
178	641468.28	4291129.76	641468.28, 4291	5.5E-08	4.4E-09	6.8E-09	6.7E-08
179	641508.28	4291129.76	641508.28, 4291	6.0E-08	4.8E-09	7.3E-09	7.2E-08
180	641548.28	4291129.76	641548.28, 4291	6.3E-08	5.0E-09	7.7E-09	7.6E-08
181	641588.28	4291129.76	641588.28, 4291	6.5E-08	5.2E-09	7.9E-09	7.8E-08
182	641628.28	4291129.76	641628.28, 4291	6.6E-08	5.2E-09	7.9E-09	7.9E-08
183	641668.28	4291129.76	641668.28, 4291	6.5E-08	5.1E-09	7.8E-09	7.8E-08
184	641708.28	4291129.76	641708.28, 4291	6.2E-08	4.9E-09	7.5E-09	7.4E-08
185	641748.28	4291129.76	641748.28, 4291	5.7E-08	4.6E-09	7.0E-09	6.9E-08
186	641788.28	4291129.76	641788.28, 4291	5.2E-08	4.2E-09	6.4E-09	6.3E-08
187	641828.28	4291129.76	641828.28, 4291	4.7E-08	3.7E-09	5.7E-09	5.6E-08
188	641868.28	4291129.76	641868.28, 4291	4.1E-08	3.3E-09	5.1E-09	5.0E-08
189	641908.28	4291129.76	641908.28, 4291	3.6E-08	2.9E-09	4.5E-09	4.3E-08
190	641948.28	4291129.76	641948.28, 4291	3.1E-08	2.6E-09	3.9E-09	3.8E-08
191	641988.28	4291129.76	641988.28, 4291	2.7E-08	2.2E-09	3.4E-09	3.3E-08
192	642028.28	4291129.76	642028.28, 4291	2.4E-08	2.0E-09	3.0E-09	2.9E-08
193	642068.28	4291129.76	642068.28, 4291	2.1E-08	1.7E-09	2.7E-09	2.6E-08
194	642108.28	4291129.76	642108.28, 4291	1.9E-08	1.5E-09	2.4E-09	2.3E-08
195	642148.28	4291129.76	642148.28, 4291	1.7E-08	1.4E-09	2.1E-09	2.1E-08
196	641374.56	4290226.75	641374.56, 429(	2.2E-08	1.8E-09	2.9E-09	2.7E-08
197	641414.56	4290226.75	641414.56, 429(	2.5E-08	2.1E-09	3.2E-09	3.0E-08
198	641454.56	4290226.75	641454.56, 429(	2.7E-08	2.3E-09	3.6E-09	3.3E-08
199	641494.56	4290226.75	641494.56, 429(	3.0E-08	2.6E-09	4.0E-09	3.7E-08
200	641534.56	4290226.75	641534.56, 429(	3.3E-08	2.8E-09	4.4E-09	4.1E-08
201	641574.56	4290226.75	641574.56, 429(	3.7E-08	3.1E-09	4.9E-09	4.5E-08
202	641614.56	4290226.75	641614.56, 429(	4.0E-08	3.5E-09	5.4E-09	4.9E-08
203	641654.56	4290226.75	641654.56, 429(	4.4E-08	3.8E-09	6.0E-09	5.4E-08
204	641694.56	4290226.75	641694.56, 429(	4.8E-08	4.2E-09	6.6E-09	5.9E-08
205	641734.56	4290226.75	641734.56, 429(	5.2E-08	4.5E-09	7.1E-09	6.4E-08
206	641774.56	4290226.75	641774.56, 429(	5.7E-08	4.9E-09	7.8E-09	7.0E-08
207	641814.56	4290226.75	641814.56, 429(	6.3E-08	5.5E-09	8.7E-09	7.7E-08
208	641854.56	4290226.75	641854.56, 429(	6.9E-08	6.1E-09	9.6E-09	8.4E-08
209	641894.56	4290226.75	641894.56, 429(	7.1E-08	6.3E-09	1.0E-08	8.8E-08
210	641934.56	4290226.75	641934.56, 429(	6.9E-08	6.1E-09	9.8E-09	8.5E-08
211	641974.56	4290226.75	641974.56, 429(	6.4E-08	5.6E-09	8.9E-09	7.8E-08
212	642014.56	4290226.75	642014.56, 429(	5.6E-08	4.9E-09	7.8E-09	6.9E-08
213	642054.56	4290226.75	642054.56, 429(	4.9E-08	4.3E-09	6.7E-09	6.0E-08
214	642094.56	4290226.75	642094.56, 429(	4.3E-08	3.7E-09	5.8E-09	5.2E-08
215	642134.56	4290226.75	642134.56, 429(	3.7E-08	3.1E-09	4.9E-09	4.5E-08
216	642174.56	4290226.75	642174.56, 429(	3.2E-08	2.7E-09	4.2E-09	3.9E-08
217	642214.56	4290226.75	642214.56, 429(	2.8E-08	2.3E-09	3.6E-09	3.4E-08
218	642254.56	4290226.75	642254.56, 429(	2.4E-08	2.0E-09	3.2E-09	2.9E-08
219	642294.56	4290226.75	642294.56, 429(	2.1E-08	1.8E-09	2.8E-09	2.6E-08
220	642334.56	4290226.75	642334.56, 429(	1.9E-08	1.6E-09	2.4E-09	2.3E-08
221	642374.56	4290226.75	642374.56, 429(	1.7E-08	1.4E-09	2.1E-09	2.0E-08
222	642414.56	4290226.75	642414.56, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
223	642454.56	4290226.75	642454.56, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
224	642494.56	4290226.75	642494.56, 429(	1.2E-08	1.0E-09	1.5E-09	1.5E-08
225	642534.56	4290226.75	642534.56, 429(	1.1E-08	9.0E-10	1.4E-09	1.3E-08
226	642574.56	4290226.75	642574.56, 429(	1.0E-08	8.2E-10	1.3E-09	1.2E-08
227	642614.56	4290226.75	642614.56, 429(	9.1E-09	7.5E-10	1.2E-09	1.1E-08
228	641374.56	4290266.75	641374.56, 429(	2.4E-08	2.0E-09	3.1E-09	2.9E-08
229	641414.56	4290266.75	641414.56, 429(	2.7E-08	2.3E-09	3.5E-09	3.3E-08
230	641454.56	4290266.75	641454.56, 429(	3.0E-08	2.6E-09	4.0E-09	3.7E-08
231	641494.56	4290266.75	641494.56, 429(	3.4E-08	2.9E-09	4.5E-09	4.2E-08
232	641534.56	4290266.75	641534.56, 429(	3.8E-08	3.3E-09	5.1E-09	4.7E-08
233	641574.56	4290266.75	641574.56, 429(	4.3E-08	3.7E-09	5.8E-09	5.2E-08
234	641614.56	4290266.75	641614.56, 429(	4.8E-08	4.1E-09	6.5E-09	5.9E-08
235	641654.56	4290266.75	641654.56, 429(	5.3E-08	4.6E-09	7.3E-09	6.5E-08
236	641694.56	4290266.75	641694.56, 429(	5.9E-08	5.1E-09	8.1E-09	7.2E-08
237	641734.56	4290266.75	641734.56, 429(	6.4E-08	5.6E-09	8.9E-09	7.9E-08
238	641774.56	4290266.75	641774.56, 429(	7.2E-08	6.3E-09	9.9E-09	8.8E-08
239	641814.56	4290266.75	641814.56, 429(	8.0E-08	7.1E-09	1.1E-08	9.8E-08
240	641854.56	4290266.75	641854.56, 429(	8.6E-08	7.7E-09	1.2E-08	1.1E-07
241	641894.56	4290266.75	641894.56, 429(	8.7E-08	7.8E-09	1.2E-08	1.1E-07
242	641934.56	4290266.75	641934.56, 429(	8.1E-08	7.2E-09	1.2E-08	1.0E-07
243	641974.56	4290266.75	641974.56, 429(	7.2E-08	6.3E-09	1.0E-08	8.8E-08
244	642014.56	4290266.75	642014.56, 429(	6.2E-08	5.4E-09	8.5E-09	7.6E-08
245	642054.56	4290266.75	642054.56, 429(	5.2E-08	4.5E-09	7.1E-09	6.4E-08
246	642094.56	4290266.75	642094.56, 429(	4.4E-08	3.8E-09	6.0E-09	5.4E-08
247	642134.56	4290266.75	642134.56, 429(	3.8E-08	3.2E-09	5.0E-09	4.6E-08
248	642174.56	4290266.75	642174.56, 429(	3.2E-08	2.7E-09	4.3E-09	3.9E-08
249	642214.56	4290266.75	642214.56, 429(	2.8E-08	2.3E-09	3.6E-09	3.4E-08
250	642254.56	4290266.75	642254.56, 429(	2.4E-08	2.0E-09	3.1E-09	2.9E-08
251	642294.56	4290266.75	642294.56, 429(	2.1E-08	1.8E-09	2.7E-09	2.5E-08
252	642334.56	4290266.75	642334.56, 429(	1.9E-08	1.5E-09	2.4E-09	2.2E-08
253	642374.56	4290266.75	642374.56, 429(	1.6E-08	1.4E-09	2.1E-09	2.0E-08
254	642414.56	4290266.75	642414.56, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
255	642454.56	4290266.75	642454.56, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
256	642494.56	4290266.75	642494.56, 429(	1.2E-08	9.8E-10	1.5E-09	1.4E-08

257	642534.56	4290266.75	642534.56, 429(	1.1E-08	8.9E-10	1.4E-09	1.3E-08
258	642574.56	4290266.75	642574.56, 429(	9.8E-09	8.1E-10	1.2E-09	1.2E-08
259	642614.56	4290266.75	642614.56, 429(	9.0E-09	7.4E-10	1.1E-09	1.1E-08
260	641374.56	4290306.75	641374.56, 429(	2.6E-08	2.2E-09	3.4E-09	3.2E-08
261	641414.56	4290306.75	641414.56, 429(	3.0E-08	2.5E-09	3.9E-09	3.6E-08
262	641454.56	4290306.75	641454.56, 429(	3.4E-08	2.9E-09	4.5E-09	4.1E-08
263	641494.56	4290306.75	641494.56, 429(	3.9E-08	3.3E-09	5.2E-09	4.7E-08
264	641534.56	4290306.75	641534.56, 429(	4.5E-08	3.8E-09	6.0E-09	5.4E-08
265	641574.56	4290306.75	641574.56, 429(	5.1E-08	4.4E-09	6.9E-09	6.2E-08
266	641614.56	4290306.75	641614.56, 429(	5.8E-08	5.0E-09	7.9E-09	7.1E-08
267	641654.56	4290306.75	641654.56, 429(	6.6E-08	5.7E-09	9.0E-09	8.0E-08
268	641694.56	4290306.75	641694.56, 429(	7.4E-08	6.5E-09	1.0E-08	9.0E-08
269	641734.56	4290306.75	641734.56, 429(	8.2E-08	7.2E-09	1.1E-08	1.0E-07
270	641774.56	4290306.75	641774.56, 429(	9.3E-08	8.2E-09	1.3E-08	1.1E-07
271	641814.56	4290306.75	641814.56, 429(	1.0E-07	9.4E-09	1.5E-08	1.3E-07
272	641854.56	4290306.75	641854.56, 429(	1.1E-07	1.0E-08	1.6E-08	1.4E-07
273	641894.56	4290306.75	641894.56, 429(	1.1E-07	9.6E-09	1.5E-08	1.3E-07
274	641934.56	4290306.75	641934.56, 429(	9.4E-08	8.4E-09	1.3E-08	1.2E-07
275	641974.56	4290306.75	641974.56, 429(	8.0E-08	7.0E-09	1.1E-08	9.8E-08
276	642014.56	4290306.75	642014.56, 429(	6.6E-08	5.8E-09	9.1E-09	8.1E-08
277	642054.56	4290306.75	642054.56, 429(	5.5E-08	4.7E-09	7.4E-09	6.7E-08
278	642094.56	4290306.75	642094.56, 429(	4.6E-08	3.9E-09	6.1E-09	5.6E-08
279	642134.56	4290306.75	642134.56, 429(	3.8E-08	3.2E-09	5.0E-09	4.7E-08
280	642174.56	4290306.75	642174.56, 429(	3.2E-08	2.7E-09	4.2E-09	3.9E-08
281	642214.56	4290306.75	642214.56, 429(	2.8E-08	2.3E-09	3.6E-09	3.3E-08
282	642254.56	4290306.75	642254.56, 429(	2.4E-08	2.0E-09	3.1E-09	2.9E-08
283	642294.56	4290306.75	642294.56, 429(	2.1E-08	1.7E-09	2.7E-09	2.5E-08
284	642334.56	4290306.75	642334.56, 429(	1.8E-08	1.5E-09	2.3E-09	2.2E-08
285	642374.56	4290306.75	642374.56, 429(	1.6E-08	1.3E-09	2.0E-09	1.9E-08
286	642414.56	4290306.75	642414.56, 429(	1.4E-08	1.2E-09	1.8E-09	1.7E-08
287	642454.56	4290306.75	642454.56, 429(	1.3E-08	1.1E-09	1.6E-09	1.6E-08
288	642494.56	4290306.75	642494.56, 429(	1.2E-08	9.6E-10	1.5E-09	1.4E-08
289	642534.56	4290306.75	642534.56, 429(	1.1E-08	8.7E-10	1.3E-09	1.3E-08
290	642574.56	4290306.75	642574.56, 429(	9.6E-09	8.0E-10	1.2E-09	1.2E-08
291	642614.56	4290306.75	642614.56, 429(	8.7E-09	7.2E-10	1.1E-09	1.1E-08
292	641374.56	4290346.75	641374.56, 429(	2.8E-08	2.3E-09	3.6E-09	3.4E-08
293	641414.56	4290346.75	641414.56, 429(	3.3E-08	2.7E-09	4.2E-09	4.0E-08
294	641454.56	4290346.75	641454.56, 429(	3.8E-08	3.2E-09	5.0E-09	4.6E-08
295	641494.56	4290346.75	641494.56, 429(	4.5E-08	3.8E-09	5.9E-09	5.4E-08
296	641534.56	4290346.75	641534.56, 429(	5.2E-08	4.5E-09	7.0E-09	6.4E-08
297	641574.56	4290346.75	641574.56, 429(	6.1E-08	5.3E-09	8.3E-09	7.5E-08
298	641614.56	4290346.75	641614.56, 429(	7.1E-08	6.2E-09	9.8E-09	8.7E-08
299	641654.56	4290346.75	641654.56, 429(	8.3E-08	7.3E-09	1.2E-08	1.0E-07
300	641694.56	4290346.75	641694.56, 429(	9.5E-08	8.5E-09	1.3E-08	1.2E-07
301	641734.56	4290346.75	641734.56, 429(	1.1E-07	9.7E-09	1.5E-08	1.3E-07
302	641774.56	4290346.75	641774.56, 429(	1.3E-07	1.1E-08	1.8E-08	1.5E-07
303	641814.56	4290346.75	641814.56, 429(	1.4E-07	1.3E-08	2.1E-08	1.8E-07
304	641854.56	4290346.75	641854.56, 429(	1.4E-07	1.3E-08	2.1E-08	1.8E-07
305	641894.56	4290346.75	641894.56, 429(	1.3E-07	1.2E-08	1.9E-08	1.6E-07
306	641934.56	4290346.75	641934.56, 429(	1.1E-07	9.6E-09	1.5E-08	1.3E-07
307	641974.56	4290346.75	641974.56, 429(	8.7E-08	7.6E-09	1.2E-08	1.1E-07
308	642014.56	4290346.75	642014.56, 429(	7.0E-08	6.0E-09	9.5E-09	8.5E-08
309	642054.56	4290346.75	642054.56, 429(	5.6E-08	4.8E-09	7.5E-09	6.9E-08
310	642094.56	4290346.75	642094.56, 429(	4.6E-08	3.9E-09	6.1E-09	5.6E-08
311	642134.56	4290346.75	642134.56, 429(	3.8E-08	3.2E-09	5.0E-09	4.6E-08
312	642174.56	4290346.75	642174.56, 429(	3.2E-08	2.7E-09	4.1E-09	3.9E-08
313	642214.56	4290346.75	642214.56, 429(	2.7E-08	2.3E-09	3.5E-09	3.3E-08
314	642254.56	4290346.75	642254.56, 429(	2.3E-08	1.9E-09	3.0E-09	2.8E-08
315	642294.56	4290346.75	642294.56, 429(	2.0E-08	1.7E-09	2.6E-09	2.4E-08
316	642334.56	4290346.75	642334.56, 429(	1.8E-08	1.5E-09	2.3E-09	2.1E-08
317	642374.56	4290346.75	642374.56, 429(	1.6E-08	1.3E-09	2.0E-09	1.9E-08
318	642414.56	4290346.75	642414.56, 429(	1.4E-08	1.2E-09	1.8E-09	1.7E-08
319	642454.56	4290346.75	642454.56, 429(	1.3E-08	1.0E-09	1.6E-09	1.5E-08
320	642494.56	4290346.75	642494.56, 429(	1.1E-08	9.4E-10	1.5E-09	1.4E-08
321	642534.56	4290346.75	642534.56, 429(	1.0E-08	8.6E-10	1.3E-09	1.3E-08
322	642574.56	4290346.75	642574.56, 429(	9.5E-09	7.8E-10	1.2E-09	1.1E-08
323	642614.56	4290346.75	642614.56, 429(	8.5E-09	7.0E-10	1.1E-09	1.0E-08
324	641374.56	4290386.75	641374.56, 429(	3.0E-08	2.5E-09	3.9E-09	3.7E-08
325	641414.56	4290386.75	641414.56, 429(	3.6E-08	3.0E-09	4.6E-09	4.3E-08
326	641454.56	4290386.75	641454.56, 429(	4.2E-08	3.5E-09	5.5E-09	5.1E-08
327	641494.56	4290386.75	641494.56, 429(	5.1E-08	4.3E-09	6.6E-09	6.2E-08
328	641534.56	4290386.75	641534.56, 429(	6.1E-08	5.2E-09	8.1E-09	7.4E-08
329	641574.56	4290386.75	641574.56, 429(	7.4E-08	6.4E-09	1.0E-08	9.1E-08
330	641614.56	4290386.75	641614.56, 429(	9.0E-08	7.8E-09	1.2E-08	1.1E-07
331	641654.56	4290386.75	641654.56, 429(	1.1E-07	9.6E-09	1.5E-08	1.3E-07
332	641694.56	4290386.75	641694.56, 429(	1.3E-07	1.2E-08	1.8E-08	1.6E-07
333	641734.56	4290386.75	641734.56, 429(	1.5E-07	1.4E-08	2.2E-08	1.9E-07
334	641774.56	4290386.75	641774.56, 429(	1.8E-07	1.7E-08	2.7E-08	2.2E-07
335	641814.56	4290386.75	641814.56, 429(	2.0E-07	1.9E-08	3.1E-08	2.5E-07
336	641854.56	4290386.75	641854.56, 429(	1.9E-07	1.8E-08	2.9E-08	2.4E-07
337	641894.56	4290386.75	641894.56, 429(	1.5E-07	1.4E-08	2.3E-08	1.9E-07
338	641934.56	4290386.75	641934.56, 429(	1.2E-07	1.1E-08	1.7E-08	1.5E-07
339	641974.56	4290386.75	641974.56, 429(	9.2E-08	8.0E-09	1.3E-08	1.1E-07
340	642014.56	4290386.75	642014.56, 429(	7.2E-08	6.1E-09	9.6E-09	8.7E-08
341	642054.56	4290386.75	642054.56, 429(	5.7E-08	4.8E-09	7.5E-09	6.9E-08
342	642094.56	4290386.75	642094.56, 429(	4.6E-08	3.8E-09	6.0E-09	5.5E-08
343	642134.56	4290386.75	642134.56, 429(	3.7E-08	3.1E-09	4.8E-09	4.5E-08
344	642174.56	4290386.75	642174.56, 429(	3.1E-08	2.6E-09	4.0E-09	3.8E-08
345	642214.56	4290386.75	642214.56, 429(	2.6E-08	2.2E-09	3.4E-09	3.2E-08

346	642254.56	4290386.75	642254.56, 429(	2.3E-08	1.9E-09	2.9E-09	2.8E-08
347	642294.56	4290386.75	642294.56, 429(	2.0E-08	1.6E-09	2.5E-09	2.4E-08
348	642334.56	4290386.75	642334.56, 429(	1.7E-08	1.4E-09	2.2E-09	2.1E-08
349	642374.56	4290386.75	642374.56, 429(	1.5E-08	1.3E-09	2.0E-09	1.9E-08
350	642414.56	4290386.75	642414.56, 429(	1.4E-08	1.1E-09	1.8E-09	1.7E-08
351	642454.56	4290386.75	642454.56, 429(	1.2E-08	1.0E-09	1.6E-09	1.5E-08
352	642494.56	4290386.75	642494.56, 429(	1.1E-08	9.3E-10	1.4E-09	1.4E-08
353	642534.56	4290386.75	642534.56, 429(	1.0E-08	8.4E-10	1.3E-09	1.2E-08
354	642574.56	4290386.75	642574.56, 429(	9.3E-09	7.7E-10	1.2E-09	1.1E-08
355	642614.56	4290386.75	642614.56, 429(	8.6E-09	7.1E-10	1.1E-09	1.0E-08
356	641374.56	4290426.75	641374.56, 429(	3.3E-08	2.7E-09	4.2E-09	4.0E-08
357	641414.56	4290426.75	641414.56, 429(	3.9E-08	3.2E-09	4.9E-09	4.7E-08
358	641454.56	4290426.75	641454.56, 429(	4.7E-08	3.9E-09	6.0E-09	5.7E-08
359	641494.56	4290426.75	641494.56, 429(	5.7E-08	4.8E-09	7.4E-09	6.9E-08
360	641534.56	4290426.75	641534.56, 429(	7.2E-08	6.0E-09	9.4E-09	8.7E-08
361	641574.56	4290426.75	641574.56, 429(	9.1E-08	7.7E-09	1.2E-08	1.1E-07
362	641614.56	4290426.75	641614.56, 429(	1.2E-07	1.0E-08	1.6E-08	1.4E-07
363	641654.56	4290426.75	641654.56, 429(	1.5E-07	1.3E-08	2.1E-08	1.8E-07
364	641694.56	4290426.75	641694.56, 429(	1.8E-07	1.7E-08	2.7E-08	2.3E-07
365	641734.56	4290426.75	641734.56, 429(	2.3E-07	2.1E-08	3.4E-08	2.8E-07
366	641774.56	4290426.75	641774.56, 429(	2.8E-07	2.7E-08	4.4E-08	3.5E-07
367	641814.56	4290426.75	641814.56, 429(	3.0E-07	2.9E-08	4.7E-08	3.7E-07
368	641854.56	4290426.75	641854.56, 429(	2.4E-07	2.3E-08	3.7E-08	3.0E-07
369	641894.56	4290426.75	641894.56, 429(	1.8E-07	1.6E-08	2.6E-08	2.2E-07
370	641934.56	4290426.75	641934.56, 429(	1.3E-07	1.1E-08	1.8E-08	1.6E-07
371	641974.56	4290426.75	641974.56, 429(	9.4E-08	8.1E-09	1.3E-08	1.1E-07
372	642014.56	4290426.75	642014.56, 429(	7.1E-08	6.1E-09	9.4E-09	8.7E-08
373	642054.56	4290426.75	642054.56, 429(	5.6E-08	4.7E-09	7.3E-09	6.8E-08
374	642094.56	4290426.75	642094.56, 429(	4.4E-08	3.7E-09	5.8E-09	5.4E-08
375	642134.56	4290426.75	642134.56, 429(	3.6E-08	3.0E-09	4.7E-09	4.4E-08
376	642174.56	4290426.75	642174.56, 429(	3.0E-08	2.5E-09	3.9E-09	3.7E-08
377	642214.56	4290426.75	642214.56, 429(	2.6E-08	2.1E-09	3.3E-09	3.1E-08
378	642254.56	4290426.75	642254.56, 429(	2.2E-08	1.8E-09	2.8E-09	2.7E-08
379	642294.56	4290426.75	642294.56, 429(	1.9E-08	1.6E-09	2.5E-09	2.3E-08
380	642334.56	4290426.75	642334.56, 429(	1.7E-08	1.4E-09	2.2E-09	2.1E-08
381	642374.56	4290426.75	642374.56, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
382	642414.56	4290426.75	642414.56, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
383	642454.56	4290426.75	642454.56, 429(	1.2E-08	1.0E-09	1.5E-09	1.5E-08
384	642494.56	4290426.75	642494.56, 429(	1.1E-08	9.1E-10	1.4E-09	1.3E-08
385	642534.56	4290426.75	642534.56, 429(	1.0E-08	8.3E-10	1.3E-09	1.2E-08
386	642574.56	4290426.75	642574.56, 429(	9.2E-09	7.6E-10	1.2E-09	1.1E-08
387	642614.56	4290426.75	642614.56, 429(	8.5E-09	7.0E-10	1.1E-09	1.0E-08
388	641374.56	4290466.75	641374.56, 429(	3.5E-08	2.9E-09	4.4E-09	4.2E-08
389	641414.56	4290466.75	641414.56, 429(	4.2E-08	3.5E-09	5.3E-09	5.1E-08
390	641454.56	4290466.75	641454.56, 429(	5.1E-08	4.2E-09	6.5E-09	6.2E-08
391	641494.56	4290466.75	641494.56, 429(	6.4E-08	5.3E-09	8.2E-09	7.8E-08
392	641534.56	4290466.75	641534.56, 429(	8.3E-08	6.9E-09	1.1E-08	1.0E-07
393	641574.56	4290466.75	641574.56, 429(	1.1E-07	9.3E-09	1.4E-08	1.3E-07
394	641614.56	4290466.75	641614.56, 429(	1.5E-07	1.3E-08	2.0E-08	1.8E-07
395	641654.56	4290466.75	641654.56, 429(	2.1E-07	1.9E-08	3.0E-08	2.5E-07
396	641694.56	4290466.75	641694.56, 429(	2.8E-07	2.7E-08	4.3E-08	3.5E-07
397	641734.56	4290466.75	641734.56, 429(	3.9E-07	3.8E-08	6.2E-08	4.9E-07
398	641774.56	4290466.75	641774.56, 429(	5.0E-07	5.1E-08	8.4E-08	6.4E-07
399	641814.56	4290466.75	641814.56, 429(	4.5E-07	4.4E-08	7.3E-08	5.7E-07
400	641854.56	4290466.75	641854.56, 429(	3.0E-07	2.8E-08	4.5E-08	3.7E-07
401	641894.56	4290466.75	641894.56, 429(	1.9E-07	1.7E-08	2.8E-08	2.4E-07
402	641934.56	4290466.75	641934.56, 429(	1.3E-07	1.1E-08	1.8E-08	1.6E-07
403	641974.56	4290466.75	641974.56, 429(	9.3E-08	7.9E-09	1.2E-08	1.1E-07
404	642014.56	4290466.75	642014.56, 429(	6.9E-08	5.8E-09	9.1E-09	8.4E-08
405	642054.56	4290466.75	642054.56, 429(	5.4E-08	4.5E-09	7.0E-09	6.5E-08
406	642094.56	4290466.75	642094.56, 429(	4.3E-08	3.6E-09	5.6E-09	5.2E-08
407	642134.56	4290466.75	642134.56, 429(	3.5E-08	2.9E-09	4.5E-09	4.3E-08
408	642174.56	4290466.75	642174.56, 429(	3.0E-08	2.5E-09	3.8E-09	3.6E-08
409	642214.56	4290466.75	642214.56, 429(	2.5E-08	2.1E-09	3.2E-09	3.0E-08
410	642254.56	4290466.75	642254.56, 429(	2.2E-08	1.8E-09	2.8E-09	2.6E-08
411	642294.56	4290466.75	642294.56, 429(	1.9E-08	1.6E-09	2.4E-09	2.3E-08
412	642334.56	4290466.75	642334.56, 429(	1.7E-08	1.4E-09	2.1E-09	2.0E-08
413	642374.56	4290466.75	642374.56, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
414	642414.56	4290466.75	642414.56, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
415	642454.56	4290466.75	642454.56, 429(	1.2E-08	9.9E-10	1.5E-09	1.4E-08
416	642494.56	4290466.75	642494.56, 429(	1.1E-08	9.0E-10	1.4E-09	1.3E-08
417	642534.56	4290466.75	642534.56, 429(	9.9E-09	8.2E-10	1.3E-09	1.2E-08
418	642574.56	4290466.75	642574.56, 429(	9.1E-09	7.5E-10	1.2E-09	1.1E-08
419	642614.56	4290466.75	642614.56, 429(	8.4E-09	6.9E-10	1.1E-09	1.0E-08
420	641920.09	4290522.63	641920.09, 429(	1.4E-07	1.2E-08	1.9E-08	1.8E-07
421	641960.09	4290522.63	641960.09, 429(	9.9E-08	8.4E-09	1.3E-08	1.2E-07
422	642000.09	4290522.63	642000.09, 429(	7.3E-08	6.1E-09	9.5E-09	8.8E-08
423	642040.09	4290522.63	642040.09, 429(	5.6E-08	4.7E-09	7.3E-09	6.8E-08
424	642080.09	4290522.63	642080.09, 429(	4.4E-08	3.7E-09	5.8E-09	5.4E-08
425	642120.09	4290522.63	642120.09, 429(	3.6E-08	3.0E-09	4.7E-09	4.4E-08
426	642160.09	4290522.63	642160.09, 429(	3.0E-08	2.5E-09	3.9E-09	3.7E-08
427	642200.09	4290522.63	642200.09, 429(	2.6E-08	2.1E-09	3.3E-09	3.1E-08
428	642240.09	4290522.63	642240.09, 429(	2.2E-08	1.8E-09	2.8E-09	2.7E-08
429	642280.09	4290522.63	642280.09, 429(	1.9E-08	1.6E-09	2.5E-09	2.3E-08
430	642320.09	4290522.63	642320.09, 429(	1.7E-08	1.4E-09	2.2E-09	2.1E-08
431	642360.09	4290522.63	642360.09, 429(	1.5E-08	1.3E-09	1.9E-09	1.8E-08
432	642400.09	4290522.63	642400.09, 429(	1.4E-08	1.1E-09	1.7E-09	1.6E-08
433	642440.09	4290522.63	642440.09, 429(	1.2E-08	1.0E-09	1.6E-09	1.5E-08
434	642480.09	4290522.63	642480.09, 429(	1.1E-08	9.1E-10	1.4E-09	1.3E-08

435	642520.09	4290522.63	642520.09, 429(	1.0E-08	8.3E-10	1.3E-09	1.2E-08
436	642560.09	4290522.63	642560.09, 429(	9.2E-09	7.6E-10	1.2E-09	1.1E-08
437	642600.09	4290522.63	642600.09, 429(	8.5E-09	7.0E-10	1.1E-09	1.0E-08
438	641920.09	4290562.63	641920.09, 429(	1.4E-07	1.2E-08	1.8E-08	1.7E-07
439	641960.09	4290562.63	641960.09, 429(	9.5E-08	8.1E-09	1.3E-08	1.2E-07
440	642000.09	4290562.63	642000.09, 429(	7.0E-08	5.9E-09	9.2E-09	8.6E-08
441	642040.09	4290562.63	642040.09, 429(	5.4E-08	4.6E-09	7.1E-09	6.6E-08
442	642080.09	4290562.63	642080.09, 429(	4.3E-08	3.6E-09	5.6E-09	5.3E-08
443	642120.09	4290562.63	642120.09, 429(	3.6E-08	3.0E-09	4.6E-09	4.3E-08
444	642160.09	4290562.63	642160.09, 429(	3.0E-08	2.5E-09	3.8E-09	3.6E-08
445	642200.09	4290562.63	642200.09, 429(	2.5E-08	2.1E-09	3.3E-09	3.1E-08
446	642240.09	4290562.63	642240.09, 429(	2.2E-08	1.8E-09	2.8E-09	2.6E-08
447	642280.09	4290562.63	642280.09, 429(	1.9E-08	1.6E-09	2.5E-09	2.3E-08
448	642320.09	4290562.63	642320.09, 429(	1.7E-08	1.4E-09	2.2E-09	2.0E-08
449	642360.09	4290562.63	642360.09, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
450	642400.09	4290562.63	642400.09, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
451	642440.09	4290562.63	642440.09, 429(	1.2E-08	1.0E-09	1.5E-09	1.5E-08
452	642480.09	4290562.63	642480.09, 429(	1.1E-08	9.1E-10	1.4E-09	1.3E-08
453	642520.09	4290562.63	642520.09, 429(	1.0E-08	8.3E-10	1.3E-09	1.2E-08
454	642560.09	4290562.63	642560.09, 429(	9.2E-09	7.6E-10	1.2E-09	1.1E-08
455	642600.09	4290562.63	642600.09, 429(	8.5E-09	7.0E-10	1.1E-09	1.0E-08
456	641920.09	4290602.63	641920.09, 429(	1.3E-07	1.1E-08	1.8E-08	1.6E-07
457	641960.09	4290602.63	641960.09, 429(	9.2E-08	7.9E-09	1.2E-08	1.1E-07
458	642000.09	4290602.63	642000.09, 429(	6.9E-08	5.8E-09	9.1E-09	8.3E-08
459	642040.09	4290602.63	642040.09, 429(	5.3E-08	4.5E-09	7.0E-09	6.5E-08
460	642080.09	4290602.63	642080.09, 429(	4.3E-08	3.6E-09	5.6E-09	5.2E-08
461	642120.09	4290602.63	642120.09, 429(	3.5E-08	2.9E-09	4.6E-09	4.3E-08
462	642160.09	4290602.63	642160.09, 429(	2.9E-08	2.5E-09	3.8E-09	3.6E-08
463	642200.09	4290602.63	642200.09, 429(	2.5E-08	2.1E-09	3.2E-09	3.0E-08
464	642240.09	4290602.63	642240.09, 429(	2.2E-08	1.8E-09	2.8E-09	2.6E-08
465	642280.09	4290602.63	642280.09, 429(	1.9E-08	1.6E-09	2.4E-09	2.3E-08
466	642320.09	4290602.63	642320.09, 429(	1.7E-08	1.4E-09	2.2E-09	2.0E-08
467	642360.09	4290602.63	642360.09, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
468	642400.09	4290602.63	642400.09, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
469	642440.09	4290602.63	642440.09, 429(	1.2E-08	1.0E-09	1.5E-09	1.5E-08
470	642480.09	4290602.63	642480.09, 429(	1.1E-08	9.1E-10	1.4E-09	1.3E-08
471	642520.09	4290602.63	642520.09, 429(	1.0E-08	8.3E-10	1.3E-09	1.2E-08
472	642560.09	4290602.63	642560.09, 429(	9.2E-09	7.6E-10	1.2E-09	1.1E-08
473	642600.09	4290602.63	642600.09, 429(	8.4E-09	7.0E-10	1.1E-09	1.0E-08
474	641920.09	4290642.63	641920.09, 429(	1.2E-07	1.0E-08	1.6E-08	1.5E-07
475	641960.09	4290642.63	641960.09, 429(	8.8E-08	7.5E-09	1.2E-08	1.1E-07
476	642000.09	4290642.63	642000.09, 429(	6.6E-08	5.6E-09	8.7E-09	8.1E-08
477	642040.09	4290642.63	642040.09, 429(	5.2E-08	4.4E-09	6.8E-09	6.3E-08
478	642080.09	4290642.63	642080.09, 429(	4.2E-08	3.5E-09	5.5E-09	5.1E-08
479	642120.09	4290642.63	642120.09, 429(	3.5E-08	2.9E-09	4.5E-09	4.2E-08
480	642160.09	4290642.63	642160.09, 429(	2.9E-08	2.4E-09	3.8E-09	3.5E-08
481	642200.09	4290642.63	642200.09, 429(	2.5E-08	2.1E-09	3.2E-09	3.0E-08
482	642240.09	4290642.63	642240.09, 429(	2.1E-08	1.8E-09	2.8E-09	2.6E-08
483	642280.09	4290642.63	642280.09, 429(	1.9E-08	1.6E-09	2.4E-09	2.3E-08
484	642320.09	4290642.63	642320.09, 429(	1.7E-08	1.4E-09	2.1E-09	2.0E-08
485	642360.09	4290642.63	642360.09, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
486	642400.09	4290642.63	642400.09, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
487	642440.09	4290642.63	642440.09, 429(	1.2E-08	1.0E-09	1.5E-09	1.5E-08
488	642480.09	4290642.63	642480.09, 429(	1.1E-08	9.1E-10	1.4E-09	1.3E-08
489	642520.09	4290642.63	642520.09, 429(	1.0E-08	8.3E-10	1.3E-09	1.2E-08
490	642560.09	4290642.63	642560.09, 429(	9.1E-09	7.6E-10	1.2E-09	1.1E-08
491	642600.09	4290642.63	642600.09, 429(	8.4E-09	7.0E-10	1.1E-09	1.0E-08
492	641920.09	4290682.63	641920.09, 429(	1.1E-07	9.3E-09	1.4E-08	1.4E-07
493	641960.09	4290682.63	641960.09, 429(	8.2E-08	6.8E-09	1.1E-08	1.0E-07
494	642000.09	4290682.63	642000.09, 429(	6.3E-08	5.2E-09	8.1E-09	7.6E-08
495	642040.09	4290682.63	642040.09, 429(	5.0E-08	4.2E-09	6.4E-09	6.0E-08
496	642080.09	4290682.63	642080.09, 429(	4.0E-08	3.4E-09	5.2E-09	4.9E-08
497	642120.09	4290682.63	642120.09, 429(	3.4E-08	2.8E-09	4.4E-09	4.1E-08
498	642160.09	4290682.63	642160.09, 429(	2.8E-08	2.4E-09	3.7E-09	3.4E-08
499	642200.09	4290682.63	642200.09, 429(	2.4E-08	2.0E-09	3.2E-09	3.0E-08
500	642240.09	4290682.63	642240.09, 429(	2.1E-08	1.8E-09	2.7E-09	2.6E-08
501	642280.09	4290682.63	642280.09, 429(	1.9E-08	1.5E-09	2.4E-09	2.2E-08
502	642320.09	4290682.63	642320.09, 429(	1.6E-08	1.4E-09	2.1E-09	2.0E-08
503	642360.09	4290682.63	642360.09, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
504	642400.09	4290682.63	642400.09, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
505	642440.09	4290682.63	642440.09, 429(	1.2E-08	9.9E-10	1.5E-09	1.4E-08
506	642480.09	4290682.63	642480.09, 429(	1.1E-08	9.0E-10	1.4E-09	1.3E-08
507	642520.09	4290682.63	642520.09, 429(	9.9E-09	8.2E-10	1.3E-09	1.2E-08
508	642560.09	4290682.63	642560.09, 429(	9.1E-09	7.6E-10	1.2E-09	1.1E-08
509	642600.09	4290682.63	642600.09, 429(	8.4E-09	7.0E-10	1.1E-09	1.0E-08
510	641920.09	4290722.63	641920.09, 429(	1.0E-07	8.3E-09	1.3E-08	1.2E-07
511	641960.09	4290722.63	641960.09, 429(	7.5E-08	6.2E-09	9.5E-09	9.1E-08
512	642000.09	4290722.63	642000.09, 429(	5.9E-08	4.8E-09	7.4E-09	7.1E-08
513	642040.09	4290722.63	642040.09, 429(	4.7E-08	3.9E-09	6.0E-09	5.7E-08
514	642080.09	4290722.63	642080.09, 429(	3.9E-08	3.2E-09	4.9E-09	4.7E-08
515	642120.09	4290722.63	642120.09, 429(	3.2E-08	2.7E-09	4.1E-09	3.9E-08
516	642160.09	4290722.63	642160.09, 429(	2.7E-08	2.3E-09	3.5E-09	3.3E-08
517	642200.09	4290722.63	642200.09, 429(	2.4E-08	2.0E-09	3.1E-09	2.9E-08
518	642240.09	4290722.63	642240.09, 429(	2.1E-08	1.7E-09	2.7E-09	2.5E-08
519	642280.09	4290722.63	642280.09, 429(	1.8E-08	1.5E-09	2.3E-09	2.2E-08
520	642320.09	4290722.63	642320.09, 429(	1.6E-08	1.3E-09	2.1E-09	2.0E-08
521	642360.09	4290722.63	642360.09, 429(	1.4E-08	1.2E-09	1.9E-09	1.8E-08
522	642400.09	4290722.63	642400.09, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
523	642440.09	4290722.63	642440.09, 429(	1.2E-08	9.8E-10	1.5E-09	1.4E-08

524	642480.09	4290722.63	642480.09, 429(	1.1E-08	8.9E-10	1.4E-09	1.3E-08
525	642520.09	4290722.63	642520.09, 429(	9.8E-09	8.2E-10	1.3E-09	1.2E-08
526	642560.09	4290722.63	642560.09, 429(	9.0E-09	7.5E-10	1.2E-09	1.1E-08
527	642600.09	4290722.63	642600.09, 429(	8.3E-09	6.9E-10	1.1E-09	1.0E-08
528	641920.09	4290762.63	641920.09, 429(	8.9E-08	7.3E-09	1.1E-08	1.1E-07
529	641960.09	4290762.63	641960.09, 429(	6.8E-08	5.6E-09	8.6E-09	8.2E-08
530	642000.09	4290762.63	642000.09, 429(	5.4E-08	4.4E-09	6.8E-09	6.5E-08
531	642040.09	4290762.63	642040.09, 429(	4.4E-08	3.6E-09	5.5E-09	5.3E-08
532	642080.09	4290762.63	642080.09, 429(	3.6E-08	3.0E-09	4.6E-09	4.4E-08
533	642120.09	4290762.63	642120.09, 429(	3.1E-08	2.5E-09	3.9E-09	3.7E-08
534	642160.09	4290762.63	642160.09, 429(	2.6E-08	2.2E-09	3.4E-09	3.2E-08
535	642200.09	4290762.63	642200.09, 429(	2.3E-08	1.9E-09	2.9E-09	2.8E-08
536	642240.09	4290762.63	642240.09, 429(	2.0E-08	1.7E-09	2.6E-09	2.4E-08
537	642280.09	4290762.63	642280.09, 429(	1.8E-08	1.5E-09	2.3E-09	2.1E-08
538	642320.09	4290762.63	642320.09, 429(	1.6E-08	1.3E-09	2.0E-09	1.9E-08
539	642360.09	4290762.63	642360.09, 429(	1.4E-08	1.2E-09	1.8E-09	1.7E-08
540	642400.09	4290762.63	642400.09, 429(	1.3E-08	1.1E-09	1.6E-09	1.6E-08
541	642440.09	4290762.63	642440.09, 429(	1.2E-08	9.7E-10	1.5E-09	1.4E-08
542	642480.09	4290762.63	642480.09, 429(	1.1E-08	8.8E-10	1.4E-09	1.3E-08
543	642520.09	4290762.63	642520.09, 429(	9.7E-09	8.1E-10	1.2E-09	1.2E-08
544	642560.09	4290762.63	642560.09, 429(	9.0E-09	7.4E-10	1.1E-09	1.1E-08
545	642600.09	4290762.63	642600.09, 429(	8.3E-09	6.9E-10	1.1E-09	1.0E-08
546	641920.09	4290802.63	641920.09, 429(	7.9E-08	6.5E-09	1.0E-08	9.6E-08
547	641960.09	4290802.63	641960.09, 429(	6.2E-08	5.1E-09	7.8E-09	7.5E-08
548	642000.09	4290802.63	642000.09, 429(	5.0E-08	4.1E-09	6.2E-09	6.0E-08
549	642040.09	4290802.63	642040.09, 429(	4.1E-08	3.3E-09	5.1E-09	4.9E-08
550	642080.09	4290802.63	642080.09, 429(	3.4E-08	2.8E-09	4.3E-09	4.1E-08
551	642120.09	4290802.63	642120.09, 429(	2.9E-08	2.4E-09	3.7E-09	3.5E-08
552	642160.09	4290802.63	642160.09, 429(	2.5E-08	2.1E-09	3.2E-09	3.0E-08
553	642200.09	4290802.63	642200.09, 429(	2.2E-08	1.8E-09	2.8E-09	2.6E-08
554	642240.09	4290802.63	642240.09, 429(	1.9E-08	1.6E-09	2.5E-09	2.3E-08
555	642280.09	4290802.63	642280.09, 429(	1.7E-08	1.4E-09	2.2E-09	2.1E-08
556	642320.09	4290802.63	642320.09, 429(	1.5E-08	1.3E-09	2.0E-09	1.9E-08
557	642360.09	4290802.63	642360.09, 429(	1.4E-08	1.1E-09	1.8E-09	1.7E-08
558	642400.09	4290802.63	642400.09, 429(	1.3E-08	1.0E-09	1.6E-09	1.5E-08
559	642440.09	4290802.63	642440.09, 429(	1.1E-08	9.4E-10	1.5E-09	1.4E-08
560	642480.09	4290802.63	642480.09, 429(	1.0E-08	8.6E-10	1.3E-09	1.3E-08
561	642520.09	4290802.63	642520.09, 429(	9.6E-09	7.9E-10	1.2E-09	1.2E-08
562	642560.09	4290802.63	642560.09, 429(	8.8E-09	7.3E-10	1.1E-09	1.1E-08
563	642600.09	4290802.63	642600.09, 429(	8.2E-09	6.8E-10	1.0E-09	9.9E-09
564	641920.09	4290842.63	641920.09, 429(	7.1E-08	5.8E-09	8.9E-09	8.6E-08
565	641960.09	4290842.63	641960.09, 429(	5.6E-08	4.6E-09	7.1E-09	6.8E-08
566	642000.09	4290842.63	642000.09, 429(	4.6E-08	3.7E-09	5.7E-09	5.5E-08
567	642040.09	4290842.63	642040.09, 429(	3.8E-08	3.1E-09	4.8E-09	4.6E-08
568	642080.09	4290842.63	642080.09, 429(	3.2E-08	2.6E-09	4.0E-09	3.9E-08
569	642120.09	4290842.63	642120.09, 429(	2.7E-08	2.2E-09	3.5E-09	3.3E-08
570	642160.09	4290842.63	642160.09, 429(	2.4E-08	1.9E-09	3.0E-09	2.9E-08
571	642200.09	4290842.63	642200.09, 429(	2.1E-08	1.7E-09	2.6E-09	2.5E-08
572	642240.09	4290842.63	642240.09, 429(	1.8E-08	1.5E-09	2.3E-09	2.2E-08
573	642280.09	4290842.63	642280.09, 429(	1.6E-08	1.4E-09	2.1E-09	2.0E-08
574	642320.09	4290842.63	642320.09, 429(	1.5E-08	1.2E-09	1.9E-09	1.8E-08
575	642360.09	4290842.63	642360.09, 429(	1.3E-08	1.1E-09	1.7E-09	1.6E-08
576	642400.09	4290842.63	642400.09, 429(	1.2E-08	1.0E-09	1.5E-09	1.5E-08
577	642440.09	4290842.63	642440.09, 429(	1.1E-08	9.2E-10	1.4E-09	1.3E-08
578	642480.09	4290842.63	642480.09, 429(	1.0E-08	8.4E-10	1.3E-09	1.2E-08
579	642520.09	4290842.63	642520.09, 429(	9.4E-09	7.8E-10	1.2E-09	1.1E-08
580	642560.09	4290842.63	642560.09, 429(	8.7E-09	7.2E-10	1.1E-09	1.1E-08
581	642600.09	4290842.63	642600.09, 429(	8.0E-09	6.7E-10	1.0E-09	9.7E-09
582	641920.09	4290882.63	641920.09, 429(	6.4E-08	5.2E-09	7.9E-09	7.7E-08
583	641960.09	4290882.63	641960.09, 429(	5.1E-08	4.2E-09	6.4E-09	6.2E-08
584	642000.09	4290882.63	642000.09, 429(	4.2E-08	3.4E-09	5.3E-09	5.1E-08
585	642040.09	4290882.63	642040.09, 429(	3.5E-08	2.9E-09	4.4E-09	4.3E-08
586	642080.09	4290882.63	642080.09, 429(	3.0E-08	2.5E-09	3.8E-09	3.6E-08
587	642120.09	4290882.63	642120.09, 429(	2.6E-08	2.1E-09	3.3E-09	3.1E-08
588	642160.09	4290882.63	642160.09, 429(	2.3E-08	1.8E-09	2.8E-09	2.7E-08
589	642200.09	4290882.63	642200.09, 429(	2.0E-08	1.6E-09	2.5E-09	2.4E-08
590	642240.09	4290882.63	642240.09, 429(	1.8E-08	1.4E-09	2.2E-09	2.1E-08
591	642280.09	4290882.63	642280.09, 429(	1.6E-08	1.3E-09	2.0E-09	1.9E-08
592	642320.09	4290882.63	642320.09, 429(	1.4E-08	1.2E-09	1.8E-09	1.7E-08
593	642360.09	4290882.63	642360.09, 429(	1.3E-08	1.1E-09	1.6E-09	1.6E-08
594	642400.09	4290882.63	642400.09, 429(	1.2E-08	9.7E-10	1.5E-09	1.4E-08
595	642440.09	4290882.63	642440.09, 429(	1.1E-08	8.9E-10	1.4E-09	1.3E-08
596	642480.09	4290882.63	642480.09, 429(	9.9E-09	8.2E-10	1.3E-09	1.2E-08
597	642520.09	4290882.63	642520.09, 429(	9.2E-09	7.6E-10	1.2E-09	1.1E-08
598	642560.09	4290882.63	642560.09, 429(	8.5E-09	7.0E-10	1.1E-09	1.0E-08
599	642600.09	4290882.63	642600.09, 429(	7.9E-09	6.5E-10	1.0E-09	9.5E-09
600	641450.64	4290754.44	641450.64, 429(	6.8E-08	5.4E-09	8.1E-09	8.1E-08
601	641490.64	4290754.44	641490.64, 429(	9.1E-08	7.2E-09	1.1E-08	1.1E-07
602	641530.64	4290754.44	641530.64, 429(	1.3E-07	1.0E-08	1.5E-08	1.5E-07
603	641570.64	4290754.44	641570.64, 429(	1.9E-07	1.5E-08	2.2E-08	2.3E-07
604	641610.64	4290754.44	641610.64, 429(	3.0E-07	2.3E-08	3.3E-08	3.5E-07
605	641650.64	4290754.44	641650.64, 429(	4.4E-07	3.2E-08	4.7E-08	5.2E-07
606	641450.64	4290794.44	641450.64, 429(	7.0E-08	5.6E-09	8.4E-09	8.4E-08
607	641490.64	4290794.44	641490.64, 429(	9.4E-08	7.4E-09	1.1E-08	1.1E-07
608	641530.64	4290794.44	641530.64, 429(	1.3E-07	1.0E-08	1.5E-08	1.6E-07
609	641570.64	4290794.44	641570.64, 429(	1.9E-07	1.4E-08	2.2E-08	2.2E-07
610	641610.64	4290794.44	641610.64, 429(	2.6E-07	2.0E-08	2.9E-08	3.1E-07
611	641650.64	4290794.44	641650.64, 429(	3.4E-07	2.5E-08	3.7E-08	4.0E-07
612	641450.64	4290834.44	641450.64, 429(	7.2E-08	5.7E-09	8.6E-09	8.6E-08

613	641490.64	4290834.44	641490.64, 429(	9.5E-08	7.5E-09	1.1E-08	1.1E-07
614	641530.64	4290834.44	641530.64, 429(	1.3E-07	1.0E-08	1.5E-08	1.5E-07
615	641570.64	4290834.44	641570.64, 429(	1.7E-07	1.3E-08	2.0E-08	2.0E-07
616	641610.64	4290834.44	641610.64, 429(	2.2E-07	1.7E-08	2.5E-08	2.6E-07
617	641650.64	4290834.44	641650.64, 429(	2.6E-07	2.0E-08	2.9E-08	3.1E-07

```
**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 8/18/2025
** File: C:\Lakes\AERMOD View\Baseline Road Fuel Station_TOG\Baseline Road Fuel
Station_TOG.ADI
**
**************************************
**
**
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Baseline Road Fuel Station_TOG\Baseline Road Fu
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 1600000 Sac_County
   POLLUTID TOG
   RUNORNOT RUN
   ERRORFIL "Baseline Road Fuel Station_TOG.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     641735.580  4290586.517       33.760
** DESCRSRC FP_1
   LOCATION VOL2         VOLUME     641735.428  4290577.626       33.760
** DESCRSRC FP_2
   LOCATION VOL3         VOLUME     641735.482  4290568.606       33.760
** DESCRSRC FP_3
   LOCATION VOL4         VOLUME     641751.012  4290582.919       33.830
** DESCRSRC FP_4
   LOCATION VOL5         VOLUME     641751.089  4290573.791       33.830
** DESCRSRC FP_5
   LOCATION VOL6         VOLUME     641751.089  4290564.741       33.830
** DESCRSRC FP_6
   LOCATION VOL7         VOLUME     641735.464  4290586.477       33.760
** DESCRSRC SP_1
```

```
   LOCATION VOL8         VOLUME     641735.475  4290577.461       33.760
** DESCRSRC SP_2
   LOCATION VOL9         VOLUME     641735.707  4290568.488       33.760
** DESCRSRC SP_3
   LOCATION VOL10        VOLUME     641751.023  4290582.876       33.830
** DESCRSRC SP_4
   LOCATION VOL11        VOLUME     641751.023  4290573.748       33.830
** DESCRSRC SP_5
   LOCATION VOL12        VOLUME     641751.130  4290564.819       33.830
** DESCRSRC SP_6
   LOCATION STCK1        POINT      641728.960  4290606.120       33.730
** DESCRSRC Loading
   LOCATION STCK2        POINT      641728.927  4290606.128       33.730
** DESCRSRC Breathing
   LOCATION VOL13        VOLUME     641735.450  4290559.309       33.760
** DESCRSRC FP_7
   LOCATION VOL14        VOLUME     641751.165  4290555.799       33.940
** DESCRSRC FP_8
   LOCATION VOL15        VOLUME     641735.450  4290559.309       33.760
** DESCRSRC SP_7
   LOCATION VOL17        VOLUME     641751.219  4290555.691       33.940
** DESCRSRC SP_8
** Source Parameters **
   SRCPARAM VOL1             0.125     1.500     2.093     1.860
   SRCPARAM VOL2             0.125     1.500     2.093     1.860
   SRCPARAM VOL3             0.125     1.500     2.093     1.860
   SRCPARAM VOL4             0.125     1.500     2.093     1.860
   SRCPARAM VOL5             0.125     1.500     2.093     1.860
   SRCPARAM VOL6             0.125     1.500     2.093     1.860
   SRCPARAM VOL7             0.125     1.500     2.093     1.860
   SRCPARAM VOL8             0.125     1.500     2.093     1.860
   SRCPARAM VOL9             0.125     1.500     2.093     1.860
   SRCPARAM VOL10            0.125     1.500     2.093     1.860
   SRCPARAM VOL11            0.125     1.500     2.093     1.860
   SRCPARAM VOL12            0.125     1.500     2.093     1.860
   SRCPARAM STCK1              1.0     3.660   291.000 0.0009144      0.05

   SRCPARAM STCK2              1.0     3.660   291.000 0.0009144      0.05

   SRCPARAM VOL13            0.125     1.500     2.093     1.860
   SRCPARAM VOL14            0.125     1.500     2.093     1.860
   SRCPARAM VOL15            0.125     1.500     2.093     1.860
   SRCPARAM VOL17            0.125     1.500     2.093     1.860

** Building Downwash **
   BUILDHGT STCK1            0.00      0.00      6.10      6.10      6.10      6.10
   BUILDHGT STCK1            6.10      0.00      0.00      0.00      0.00      0.00
   BUILDHGT STCK1            0.00      0.00      0.00      0.00      0.00      0.00
   BUILDHGT STCK1            0.00      0.00      0.00      0.00      0.00      0.00
   BUILDHGT STCK1            0.00      0.00      0.00      0.00      0.00      0.00
```

BUILDHGT	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	6.10	6.10	6.10	6.10
BUILDHGT	STCK2	6.10	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	29.75	33.08	35.41	36.67
BUILDWID	STCK1	36.81	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	29.75	33.08	35.41	36.67
BUILDWID	STCK2	36.81	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	36.99	35.70	33.33	29.94
BUILDLEN	STCK1	25.65	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	36.99	35.70	33.33	29.94
BUILDLEN	STCK2	25.65	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	-58.18	-59.09	-58.21	-55.55
XBADJ	STCK1	-51.21	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	-58.18	-59.08	-58.19	-55.53
XBADJ	STCK2	-51.19	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00

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   YBADJ    STCK1            0.00     0.00    12.13     5.10    -2.09    -9.21
   YBADJ    STCK1          -16.06     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   YBADJ    STCK2            0.00     0.00    12.10     5.07    -2.11    -9.24
   YBADJ    STCK2          -16.08     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00

   URBANSRC ALL
   SRCGROUP Fueling/ VOL1 VOL2 VOL3 VOL4 VOL5 VOL6 VOL13 VOL14
   SRCGROUP Spill    VOL7 VOL8 VOL9 VOL10 VOL11 VOL12 VOL15 VOL17
   SRCGROUP Loading  STCK1
   SRCGROUP Breathin STCK2
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Baseline Road Fuel Station_TOG.rou"
RE FINISHED
**
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** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "SAC Met\14-18.SFC"
   PROFFILE "SAC Met\14-18.PFL"
   SURFDATA 93225 2014
   UAIRDATA 23230 2014 OAKLAND/WSO_AP
   PROFBASE 1600.0 METERS
ME FINISHED
**
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** AERMOD Output Pathway
**************************************
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OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Baseline Road Fuel Station_TOG.AD\01H1GALL.PLT" 31
   PLOTFILE 1 Fueling/ 1ST "Baseline Road Fuel Station_TOG.AD\01H1G001.PLT" 32
   PLOTFILE 1 Spill 1ST "Baseline Road Fuel Station_TOG.AD\01H1G002.PLT" 33
   PLOTFILE 1 Loading 1ST "Baseline Road Fuel Station_TOG.AD\01H1G003.PLT" 34
   PLOTFILE 1 Breathin 1ST "Baseline Road Fuel Station_TOG.AD\01H1G004.PLT" 35
   PLOTFILE PERIOD ALL "Baseline Road Fuel Station_TOG.AD\PE00GALL.PLT" 36
   PLOTFILE PERIOD Fueling/ "Baseline Road Fuel Station_TOG.AD\PE00G001.PLT" 37
   PLOTFILE PERIOD Spill "Baseline Road Fuel Station_TOG.AD\PE00G002.PLT" 38
   PLOTFILE PERIOD Loading "Baseline Road Fuel Station_TOG.AD\PE00G003.PLT" 39
   PLOTFILE PERIOD Breathin "Baseline Road Fuel Station_TOG.AD\PE00G004.PLT" 40
   SUMMFILE "Baseline Road Fuel Station_TOG.sum"
OU FINISHED
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** Project Parameters
************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 8/18/2025
** File: C:\Lakes\AERMOD View\Baseline Road Fuel Station_TOG\Baseline Road Fuel
Station_TOG.ADI
**
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Baseline Road Fuel Station_TOG\Baseline Road Fu
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 1600000 Sac_County
   POLLUTID TOG
   RUNORNOT RUN
   ERRORFIL "Baseline Road Fuel Station_TOG.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     641735.580  4290586.517       33.760
** DESCRSRC FP_1
   LOCATION VOL2         VOLUME     641735.428  4290577.626       33.760
** DESCRSRC FP_2
   LOCATION VOL3         VOLUME     641735.482  4290568.606       33.760
** DESCRSRC FP_3
   LOCATION VOL4         VOLUME     641751.012  4290582.919       33.830
** DESCRSRC FP_4
   LOCATION VOL5         VOLUME     641751.089  4290573.791       33.830
** DESCRSRC FP_5
   LOCATION VOL6         VOLUME     641751.089  4290564.741       33.830
** DESCRSRC FP_6
   LOCATION VOL7         VOLUME     641735.464  4290586.477       33.760
** DESCRSRC SP_1
```

```
   LOCATION VOL8         VOLUME     641735.475  4290577.461       33.760
** DESCRSRC SP_2
   LOCATION VOL9         VOLUME     641735.707  4290568.488       33.760
** DESCRSRC SP_3
   LOCATION VOL10        VOLUME     641751.023  4290582.876       33.830
** DESCRSRC SP_4
   LOCATION VOL11        VOLUME     641751.023  4290573.748       33.830
** DESCRSRC SP_5
   LOCATION VOL12        VOLUME     641751.130  4290564.819       33.830
** DESCRSRC SP_6
   LOCATION STCK1        POINT      641728.960  4290606.120       33.730
** DESCRSRC Loading
   LOCATION STCK2        POINT      641728.927  4290606.128       33.730
** DESCRSRC Breathing
   LOCATION VOL13        VOLUME     641735.450  4290559.309       33.760
** DESCRSRC FP_7
   LOCATION VOL14        VOLUME     641751.165  4290555.799       33.940
** DESCRSRC FP_8
   LOCATION VOL15        VOLUME     641735.450  4290559.309       33.760
** DESCRSRC SP_7
   LOCATION VOL17        VOLUME     641751.219  4290555.691       33.940
** DESCRSRC SP_8
** Source Parameters **
   SRCPARAM VOL1            0.125     1.500     2.093     1.860
   SRCPARAM VOL2            0.125     1.500     2.093     1.860
   SRCPARAM VOL3            0.125     1.500     2.093     1.860
   SRCPARAM VOL4            0.125     1.500     2.093     1.860
   SRCPARAM VOL5            0.125     1.500     2.093     1.860
   SRCPARAM VOL6            0.125     1.500     2.093     1.860
   SRCPARAM VOL7            0.125     1.500     2.093     1.860
   SRCPARAM VOL8            0.125     1.500     2.093     1.860
   SRCPARAM VOL9            0.125     1.500     2.093     1.860
   SRCPARAM VOL10           0.125     1.500     2.093     1.860
   SRCPARAM VOL11           0.125     1.500     2.093     1.860
   SRCPARAM VOL12           0.125     1.500     2.093     1.860
   SRCPARAM STCK1             1.0     3.660   291.000 0.0009144      0.05
   SRCPARAM STCK2             1.0     3.660   291.000 0.0009144      0.05
   SRCPARAM VOL13           0.125     1.500     2.093     1.860
   SRCPARAM VOL14           0.125     1.500     2.093     1.860
   SRCPARAM VOL15           0.125     1.500     2.093     1.860
   SRCPARAM VOL17           0.125     1.500     2.093     1.860

** Building Downwash **
   BUILDHGT STCK1           0.00      0.00      6.10      6.10      6.10      6.10
   BUILDHGT STCK1           6.10      0.00      0.00      0.00      0.00      0.00
   BUILDHGT STCK1           0.00      0.00      0.00      0.00      0.00      0.00
   BUILDHGT STCK1           0.00      0.00      0.00      0.00      0.00      0.00
   BUILDHGT STCK1           0.00      0.00      0.00      0.00      0.00      0.00
   BUILDHGT STCK1           0.00      0.00      0.00      0.00      0.00      0.00
```

BUILDHGT	STCK2	0.00	0.00	6.10	6.10	6.10	6.10
BUILDHGT	STCK2	6.10	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	29.75	33.08	35.41	36.67
BUILDWID	STCK1	36.81	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	29.75	33.08	35.41	36.67
BUILDWID	STCK2	36.81	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	36.99	35.70	33.33	29.94
BUILDLEN	STCK1	25.65	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	36.99	35.70	33.33	29.94
BUILDLEN	STCK2	25.65	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	-58.18	-59.09	-58.21	-55.55
XBADJ	STCK1	-51.21	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	-58.18	-59.08	-58.19	-55.53
XBADJ	STCK2	-51.19	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	12.13	5.10	-2.09	-9.21

```
   YBADJ    STCK1          -16.06     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   YBADJ    STCK2            0.00     0.00    12.10     5.07    -2.11    -9.24
   YBADJ    STCK2          -16.08     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK2            0.00     0.00     0.00     0.00     0.00     0.00

   URBANSRC ALL
   SRCGROUP Fueling/ VOL1 VOL2 VOL3 VOL4 VOL5 VOL6 VOL13 VOL14
   SRCGROUP Spill    VOL7 VOL8 VOL9 VOL10 VOL11 VOL12 VOL15 VOL17
   SRCGROUP Loading  STCK1
   SRCGROUP Breathin STCK2
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Baseline Road Fuel Station_TOG.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "SAC Met\14-18.SFC"
   PROFFILE "SAC Met\14-18.PFL"
   SURFDATA 93225 2014
   UAIRDATA 23230 2014 OAKLAND/WSO_AP
   PROFBASE 1600.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
```

```
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Baseline Road Fuel Station_TOG.AD\01H1GALL.PLT" 31
   PLOTFILE 1 Fueling/ 1ST "Baseline Road Fuel Station_TOG.AD\01H1G001.PLT" 32
   PLOTFILE 1 Spill 1ST "Baseline Road Fuel Station_TOG.AD\01H1G002.PLT" 33
   PLOTFILE 1 Loading 1ST "Baseline Road Fuel Station_TOG.AD\01H1G003.PLT" 34
   PLOTFILE 1 Breathin 1ST "Baseline Road Fuel Station_TOG.AD\01H1G004.PLT" 35
   PLOTFILE PERIOD ALL "Baseline Road Fuel Station_TOG.AD\PE00GALL.PLT" 36
   PLOTFILE PERIOD Fueling/ "Baseline Road Fuel Station_TOG.AD\PE00G001.PLT" 37
   PLOTFILE PERIOD Spill "Baseline Road Fuel Station_TOG.AD\PE00G002.PLT" 38
   PLOTFILE PERIOD Loading "Baseline Road Fuel Station_TOG.AD\PE00G003.PLT" 39
   PLOTFILE PERIOD Breathin "Baseline Road Fuel Station_TOG.AD\PE00G004.PLT" 40
   SUMMFILE "Baseline Road Fuel Station_TOG.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     191       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     191       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                         ***       13:19:08

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY
  ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    18 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   1600000.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: TOG

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:     18 Source(s);       5 Source Group(s); and     617
Receptor(s)

                with:      2 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     16 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  19191

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
```

Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing
Hours
                                                                 b for Both Calm
and Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 1600.00 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   3.7 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: Baseline Road Fuel Station_TOG.err

 **File for Summary of Results: Baseline Road Fuel Station_TOG.sum

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** POINT SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   STACK   STACK
STACK   STACK   BLDG   URBAN CAP/ EMIS RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT TEMP.
EXIT VEL. DIAMETER EXISTS SOURCE HOR   SCALAR
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC) (METERS)   VARY BY
 -
- -

 STCK1   0   0.10000E+01 641729.0 4290606.1   33.7   3.66   291.00
0.00   0.05   YES   YES   NO
 STCK2   0   0.10000E+01 641728.9 4290606.1   33.7   3.66   291.00

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
VOL1	0	0.12500E+00	641735.6	4290586.5	33.8	1.50	2.09	1.86	YES		NO
VOL2	0	0.12500E+00	641735.4	4290577.6	33.8	1.50	2.09	1.86	YES		NO
VOL3	0	0.12500E+00	641735.5	4290568.6	33.8	1.50	2.09	1.86	YES		NO
VOL4	0	0.12500E+00	641751.0	4290582.9	33.8	1.50	2.09	1.86	YES		NO
VOL5	0	0.12500E+00	641751.1	4290573.8	33.8	1.50	2.09	1.86	YES		NO
VOL6	0	0.12500E+00	641751.1	4290564.7	33.8	1.50	2.09	1.86	YES		NO
VOL7	0	0.12500E+00	641735.5	4290586.5	33.8	1.50	2.09	1.86	YES		NO
VOL8	0	0.12500E+00	641735.5	4290577.5	33.8	1.50	2.09	1.86	YES		NO
VOL9	0	0.12500E+00	641735.7	4290568.5	33.8	1.50	2.09	1.86	YES		NO
VOL10	0	0.12500E+00	641751.0	4290582.9	33.8	1.50	2.09	1.86	YES		NO
VOL11	0	0.12500E+00	641751.0	4290573.7	33.8	1.50	2.09	1.86	YES		NO
VOL12	0	0.12500E+00	641751.1	4290564.8	33.8	1.50	2.09	1.86	YES		NO
VOL13	0	0.12500E+00	641735.5	4290559.3	33.8	1.50	2.09	1.86	YES		NO
VOL14	0	0.12500E+00	641751.2	4290555.8	33.9	1.50	2.09	1.86	YES		NO
VOL15	0	0.12500E+00	641735.5	4290559.3	33.8	1.50	2.09				

```
1.86     YES                    NO
 VOL17           0   0.12500E+00  641751.2 4290555.7    33.9     1.50     2.09
1.86     YES                    NO
↑ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                      *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  FUELING/   VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL13       , VOL14       ,

  SPILL      VOL7        , VOL8        , VOL9        , VOL10       , VOL11       ,
VOL12       , VOL15       , VOL17       ,

  LOADING    STCK1       ,

  BREATHIN   STCK2       ,

  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , STCK1       ,
STCK2       , VOL13       , VOL14       ,

             VOL15       , VOL17       ,
↑ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                      *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                SOURCE IDs
  --------   ---------                                ----------
```

*** DIRECTION SPECIFIC BUILDING
DIMENSIONS ***

 SOURCE ID: STCK1
  IFV   BH   BW   BL   XADJ   YADJ   IFV   BH   BW   BL   XADJ
   YADJ
    1   0.0,   0.0,   0.0,   0.0,   0.0,   2   0.0,   0.0,   0.0,
0.0,   0.0,
    3   6.1,   29.8,   37.0, -58.2,   12.1,   4   6.1,   33.1,   35.7,
-59.1,   5.1,
    5   6.1,   35.4,   33.3, -58.2,   -2.1,   6   6.1,   36.7,   29.9,
-55.5,   -9.2,
    7   6.1,   36.8,   25.7, -51.2, -16.1,   8   0.0,   0.0,   0.0,
0.0,   0.0,
    9   0.0,   0.0,   0.0,   0.0,   0.0,   10   0.0,   0.0,   0.0,
0.0,   0.0,
   11   0.0,   0.0,   0.0,   0.0,   0.0,   12   0.0,   0.0,   0.0,
0.0,   0.0,
   13   0.0,   0.0,   0.0,   0.0,   0.0,   14   0.0,   0.0,   0.0,
0.0,   0.0,
   15   0.0,   0.0,   0.0,   0.0,   0.0,   16   0.0,   0.0,   0.0,
0.0,   0.0,
   17   0.0,   0.0,   0.0,   0.0,   0.0,   18   0.0,   0.0,   0.0,
0.0,   0.0,
   19   0.0,   0.0,   0.0,   0.0,   0.0,   20   0.0,   0.0,   0.0,
0.0,   0.0,
   21   0.0,   0.0,   0.0,   0.0,   0.0,   22   0.0,   0.0,   0.0,
0.0,   0.0,
   23   0.0,   0.0,   0.0,   0.0,   0.0,   24   0.0,   0.0,   0.0,
0.0,   0.0,
   25   0.0,   0.0,   0.0,   0.0,   0.0,   26   0.0,   0.0,   0.0,

```
0.0,    0.0,
   27    0.0,    0.0,    0.0,    0.0,    0.0,     28    0.0,    0.0,    0.0,
0.0,    0.0,
   29    0.0,    0.0,    0.0,    0.0,    0.0,     30    0.0,    0.0,    0.0,
0.0,    0.0,
   31    0.0,    0.0,    0.0,    0.0,    0.0,     32    0.0,    0.0,    0.0,
0.0,    0.0,
   33    0.0,    0.0,    0.0,    0.0,    0.0,     34    0.0,    0.0,    0.0,
0.0,    0.0,
   35    0.0,    0.0,    0.0,    0.0,    0.0,     36    0.0,    0.0,    0.0,
0.0,    0.0,


 SOURCE ID: STCK2
  IFV    BH      BW      BL     XADJ    YADJ     IFV    BH      BW      BL     XADJ
   YADJ
    1    0.0,    0.0,    0.0,    0.0,    0.0,      2    0.0,    0.0,    0.0,
0.0,    0.0,
    3    6.1,   29.8,   37.0,  -58.2,   12.1,      4    6.1,   33.1,   35.7,
-59.1,    5.1,
    5    6.1,   35.4,   33.3,  -58.2,   -2.1,      6    6.1,   36.7,   29.9,
-55.5,   -9.2,
    7    6.1,   36.8,   25.7,  -51.2,  -16.1,      8    0.0,    0.0,    0.0,
0.0,    0.0,
    9    0.0,    0.0,    0.0,    0.0,    0.0,     10    0.0,    0.0,    0.0,
0.0,    0.0,
   11    0.0,    0.0,    0.0,    0.0,    0.0,     12    0.0,    0.0,    0.0,
0.0,    0.0,
   13    0.0,    0.0,    0.0,    0.0,    0.0,     14    0.0,    0.0,    0.0,
0.0,    0.0,
   15    0.0,    0.0,    0.0,    0.0,    0.0,     16    0.0,    0.0,    0.0,
0.0,    0.0,
   17    0.0,    0.0,    0.0,    0.0,    0.0,     18    0.0,    0.0,    0.0,
0.0,    0.0,
   19    0.0,    0.0,    0.0,    0.0,    0.0,     20    0.0,    0.0,    0.0,
0.0,    0.0,
   21    0.0,    0.0,    0.0,    0.0,    0.0,     22    0.0,    0.0,    0.0,
0.0,    0.0,
   23    0.0,    0.0,    0.0,    0.0,    0.0,     24    0.0,    0.0,    0.0,
0.0,    0.0,
   25    0.0,    0.0,    0.0,    0.0,    0.0,     26    0.0,    0.0,    0.0,
0.0,    0.0,
   27    0.0,    0.0,    0.0,    0.0,    0.0,     28    0.0,    0.0,    0.0,
0.0,    0.0,
   29    0.0,    0.0,    0.0,    0.0,    0.0,     30    0.0,    0.0,    0.0,
0.0,    0.0,
   31    0.0,    0.0,    0.0,    0.0,    0.0,     32    0.0,    0.0,    0.0,
0.0,    0.0,
   33    0.0,    0.0,    0.0,    0.0,    0.0,     34    0.0,    0.0,    0.0,
0.0,    0.0,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 641284.3, 4290506.7,      31.5,      31.5,      0.0);         ( 641324.3,
4290506.7,      32.0,      32.0,       0.0);
     ( 641364.3, 4290506.7,      32.6,      32.6,      0.0);         ( 641404.3,
4290506.7,      32.9,      32.9,       0.0);
     ( 641284.3, 4290546.7,      31.1,      31.1,      0.0);         ( 641324.3,
4290546.7,      31.6,      31.6,       0.0);
     ( 641364.3, 4290546.7,      32.4,      32.4,      0.0);         ( 641404.3,
4290546.7,      33.3,      33.3,       0.0);
     ( 641284.3, 4290586.7,      31.0,      31.0,      0.0);         ( 641324.3,
4290586.7,      31.5,      31.5,       0.0);
     ( 641364.3, 4290586.7,      32.2,      32.2,      0.0);         ( 641404.3,
4290586.7,      32.8,      32.8,       0.0);
     ( 641284.3, 4290626.7,      31.3,      31.3,      0.0);         ( 641324.3,
4290626.7,      31.3,      31.3,       0.0);
     ( 641364.3, 4290626.7,      31.7,      31.7,      0.0);         ( 641404.3,
4290626.7,      31.6,      31.6,       0.0);
     ( 641284.3, 4290666.7,      31.7,      31.7,      0.0);         ( 641324.3,
4290666.7,      31.7,      31.7,       0.0);
     ( 641364.3, 4290666.7,      32.4,      32.4,      0.0);         ( 641404.3,
4290666.7,      31.8,      31.8,       0.0);
     ( 641284.3, 4290706.7,      32.0,      32.0,      0.0);         ( 641324.3,
4290706.7,      32.0,      32.0,       0.0);
     ( 641364.3, 4290706.7,      33.1,      33.1,      0.0);         ( 641404.3,
4290706.7,      32.7,      32.7,       0.0);
     ( 641284.3, 4290746.7,      32.6,      32.6,      0.0);         ( 641324.3,
4290746.7,      32.1,      32.1,       0.0);
     ( 641364.3, 4290746.7,      33.0,      33.0,      0.0);         ( 641404.3,
4290746.7,      33.3,      33.3,       0.0);
     ( 641284.3, 4290786.7,      33.2,      33.2,      0.0);         ( 641324.3,
4290786.7,      32.3,      32.3,       0.0);
     ( 641364.3, 4290786.7,      32.7,      32.7,      0.0);         ( 641404.3,
4290786.7,      33.6,      33.6,       0.0);
     ( 641284.3, 4290826.7,      33.7,      33.7,      0.0);         ( 641324.3,
4290826.7,      32.8,      32.8,       0.0);
     ( 641364.3, 4290826.7,      32.4,      32.4,      0.0);         ( 641404.3,
```

```
4290826.7,      33.5,      33.5,       0.0);
     ( 641284.3, 4290866.7,      33.8,      33.8,       0.0);         ( 641324.3,
4290866.7,      33.0,      33.0,       0.0);
     ( 641364.3, 4290866.7,      32.5,      32.5,       0.0);         ( 641404.3,
4290866.7,      33.6,      33.6,       0.0);
     ( 641268.3, 4290889.8,      34.1,      34.1,       0.0);         ( 641308.3,
4290889.8,      33.5,      33.5,       0.0);
     ( 641348.3, 4290889.8,      32.7,      32.7,       0.0);         ( 641388.3,
4290889.8,      33.0,      33.0,       0.0);
     ( 641428.3, 4290889.8,      34.4,      34.4,       0.0);         ( 641468.3,
4290889.8,      34.4,      34.4,       0.0);
     ( 641508.3, 4290889.8,      34.2,      34.2,       0.0);         ( 641548.3,
4290889.8,      34.0,      34.0,       0.0);
     ( 641588.3, 4290889.8,      33.9,      33.9,       0.0);         ( 641628.3,
4290889.8,      33.7,      33.7,       0.0);
     ( 642188.3, 4290889.8,      34.9,      34.9,       0.0);         ( 642228.3,
4290889.8,      35.2,      35.2,       0.0);
     ( 642268.3, 4290889.8,      35.4,      35.4,       0.0);         ( 642308.3,
4290889.8,      35.6,      35.6,       0.0);
     ( 642348.3, 4290889.8,      35.8,      35.8,       0.0);         ( 642388.3,
4290889.8,      35.9,      35.9,       0.0);
     ( 642428.3, 4290889.8,      36.0,      36.0,       0.0);         ( 641268.3,
4290929.8,      34.4,      34.4,       0.0);
     ( 641308.3, 4290929.8,      33.7,      33.7,       0.0);         ( 641348.3,
4290929.8,      33.0,      33.0,       0.0);
     ( 641388.3, 4290929.8,      33.1,      33.1,       0.0);         ( 641428.3,
4290929.8,      34.5,      34.5,       0.0);
     ( 641468.3, 4290929.8,      34.5,      34.5,       0.0);         ( 641508.3,
4290929.8,      34.4,      34.4,       0.0);
     ( 641548.3, 4290929.8,      34.2,      34.2,       0.0);         ( 641588.3,
4290929.8,      34.0,      34.0,       0.0);
     ( 641628.3, 4290929.8,      33.9,      33.9,       0.0);         ( 642188.3,
4290929.8,      35.1,      35.1,       0.0);
     ( 642228.3, 4290929.8,      35.7,      35.7,       0.0);         ( 642268.3,
4290929.8,      35.8,      35.8,       0.0);
     ( 642308.3, 4290929.8,      36.1,      36.1,       0.0);         ( 642348.3,
4290929.8,      36.3,      36.3,       0.0);
     ( 642388.3, 4290929.8,      36.4,      36.4,       0.0);         ( 642428.3,
4290929.8,      36.3,      36.3,       0.0);
     ( 641268.3, 4290969.8,      34.3,      34.3,       0.0);         ( 641308.3,
4290969.8,      33.8,      33.8,       0.0);
     ( 641348.3, 4290969.8,      33.3,      33.3,       0.0);         ( 641388.3,
4290969.8,      33.2,      33.2,       0.0);
     ( 641428.3, 4290969.8,      34.6,      34.6,       0.0);         ( 641468.3,
4290969.8,      34.6,      34.6,       0.0);
     ( 641508.3, 4290969.8,      34.5,      34.5,       0.0);         ( 641548.3,
4290969.8,      34.4,      34.4,       0.0);
     ( 641588.3, 4290969.8,      34.2,      34.2,       0.0);         ( 641628.3,
4290969.8,      34.1,      34.1,       0.0);
     ( 641668.3, 4290969.8,      34.0,      34.0,       0.0);         ( 641708.3,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (641908.3, 4290969.8,   34.0,   34.0,   0.0);   (641948.3,
4290969.8,   33.9,   33.9,   0.0);
     (642188.3, 4290969.8,   35.1,   35.1,   0.0);   (642228.3,
4290969.8,   35.8,   35.8,   0.0);
     (642268.3, 4290969.8,   35.8,   35.8,   0.0);   (642308.3,
4290969.8,   36.0,   36.0,   0.0);
     (642348.3, 4290969.8,   36.3,   36.3,   0.0);   (642388.3,
4290969.8,   36.7,   36.7,   0.0);
     (642428.3, 4290969.8,   36.8,   36.8,   0.0);   (641268.3,
4291009.8,   34.2,   34.2,   0.0);
     (641308.3, 4291009.8,   34.0,   34.0,   0.0);   (641348.3,
4291009.8,   33.8,   33.8,   0.0);
     (641388.3, 4291009.8,   33.4,   33.4,   0.0);   (641428.3,
4291009.8,   34.8,   34.8,   0.0);
     (641468.3, 4291009.8,   34.8,   34.8,   0.0);   (641508.3,
4291009.8,   34.7,   34.7,   0.0);
     (641548.3, 4291009.8,   34.5,   34.5,   0.0);   (641588.3,
4291009.8,   34.4,   34.4,   0.0);
     (641628.3, 4291009.8,   34.3,   34.3,   0.0);   (641668.3,
4291009.8,   34.2,   34.2,   0.0);
     (641708.3, 4291009.8,   34.2,   34.2,   0.0);   (641748.3,
4291009.8,   34.2,   34.2,   0.0);
     (641788.3, 4291009.8,   34.2,   34.2,   0.0);   (641828.3,
4291009.8,   34.6,   34.6,   0.0);
     (641868.3, 4291009.8,   34.6,   34.6,   0.0);   (641908.3,
4291009.8,   34.7,   34.7,   0.0);
     (641948.3, 4291009.8,   34.7,   34.7,   0.0);   (642188.3,
4291009.8,   34.7,   34.7,   0.0);
     (642228.3, 4291009.8,   35.2,   35.2,   0.0);   (642268.3,
4291009.8,   35.3,   35.3,   0.0);
     (642308.3, 4291009.8,   35.6,   35.6,   0.0);   (642348.3,
4291009.8,   36.1,   36.1,   0.0);
     (642388.3, 4291009.8,   36.5,   36.5,   0.0);   (642428.3,

```
4291009.8,      36.6,      36.6,       0.0);
     ( 641268.3, 4291049.8,      34.6,      34.6,       0.0);         ( 641308.3,
4291049.8,      34.7,      34.7,       0.0);
     ( 641348.3, 4291049.8,      34.1,      34.1,       0.0);         ( 641388.3,
4291049.8,      33.7,      33.7,       0.0);
     ( 641428.3, 4291049.8,      34.9,      34.9,       0.0);         ( 641468.3,
4291049.8,      35.0,      35.0,       0.0);
     ( 641508.3, 4291049.8,      34.9,      34.9,       0.0);         ( 641548.3,
4291049.8,      34.7,      34.7,       0.0);
     ( 641588.3, 4291049.8,      34.6,      34.6,       0.0);         ( 641628.3,
4291049.8,      34.5,      34.5,       0.0);
     ( 641668.3, 4291049.8,      34.5,      34.5,       0.0);         ( 641708.3,
4291049.8,      34.4,      34.4,       0.0);
     ( 641748.3, 4291049.8,      34.4,      34.4,       0.0);         ( 641788.3,
4291049.8,      34.4,      34.4,       0.0);
     ( 641828.3, 4291049.8,      34.9,      34.9,       0.0);         ( 641868.3,
4291049.8,      34.8,      34.8,       0.0);
     ( 641908.3, 4291049.8,      34.9,      34.9,       0.0);         ( 641948.3,
4291049.8,      34.9,      34.9,       0.0);
     ( 642188.3, 4291049.8,      34.8,      34.8,       0.0);         ( 642228.3,
4291049.8,      34.8,      34.8,       0.0);
     ( 642268.3, 4291049.8,      35.0,      35.0,       0.0);         ( 642308.3,
4291049.8,      35.3,      35.3,       0.0);
     ( 642348.3, 4291049.8,      35.7,      35.7,       0.0);         ( 642388.3,
4291049.8,      36.0,      36.0,       0.0);
     ( 642428.3, 4291049.8,      36.0,      36.0,       0.0);         ( 641268.3,
4291089.8,      35.3,      35.3,       0.0);
     ( 641308.3, 4291089.8,      35.2,      35.2,       0.0);         ( 641348.3,
4291089.8,      34.3,      34.3,       0.0);
     ( 641388.3, 4291089.8,      33.8,      33.8,       0.0);         ( 641428.3,
4291089.8,      35.2,      35.2,       0.0);
     ( 641468.3, 4291089.8,      35.3,      35.3,       0.0);         ( 641508.3,
4291089.8,      35.1,      35.1,       0.0);
     ( 641548.3, 4291089.8,      35.0,      35.0,       0.0);         ( 641588.3,
4291089.8,      34.9,      34.9,       0.0);
     ( 641628.3, 4291089.8,      34.8,      34.8,       0.0);         ( 641668.3,
4291089.8,      34.7,      34.7,       0.0);
     ( 641708.3, 4291089.8,      34.7,      34.7,       0.0);         ( 641748.3,
4291089.8,      34.6,      34.6,       0.0);
     ( 641788.3, 4291089.8,      34.6,      34.6,       0.0);         ( 641828.3,
4291089.8,      35.1,      35.1,       0.0);
     ( 641868.3, 4291089.8,      35.0,      35.0,       0.0);         ( 641908.3,
4291089.8,      35.1,      35.1,       0.0);
     ( 641948.3, 4291089.8,      35.0,      35.0,       0.0);         ( 641988.3,
4291089.8,      34.8,      34.8,       0.0);
     ( 642028.3, 4291089.8,      35.0,      35.0,       0.0);         ( 642068.3,
4291089.8,      35.1,      35.1,       0.0);
     ( 642108.3, 4291089.8,      34.2,      34.2,       0.0);         ( 642148.3,
4291089.8,      35.1,      35.1,       0.0);
     ( 641268.3, 4291129.8,      36.1,      36.1,       0.0);         ( 641308.3,
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     (641588.3, 4291129.8,   35.2,   35.2,   0.0);   (641628.3,
4291129.8,   35.1,   35.1,   0.0);
     (641668.3, 4291129.8,   35.1,   35.1,   0.0);   (641708.3,
4291129.8,   35.0,   35.0,   0.0);
     (641748.3, 4291129.8,   35.0,   35.0,   0.0);   (641788.3,
4291129.8,   35.0,   35.0,   0.0);
     (641828.3, 4291129.8,   35.2,   35.2,   0.0);   (641868.3,
4291129.8,   35.1,   35.1,   0.0);
     (641908.3, 4291129.8,   35.2,   35.2,   0.0);   (641948.3,
4291129.8,   35.1,   35.1,   0.0);
     (641988.3, 4291129.8,   35.2,   35.2,   0.0);   (642028.3,
4291129.8,   35.2,   35.2,   0.0);
     (642068.3, 4291129.8,   35.1,   35.1,   0.0);   (642108.3,
4291129.8,   35.0,   35.0,   0.0);
     (642148.3, 4291129.8,   35.3,   35.3,   0.0);   (641374.6,
4290226.8,   33.4,   33.4,   0.0);
     (641414.6, 4290226.8,   33.5,   33.5,   0.0);   (641454.6,
4290226.8,   33.9,   33.9,   0.0);
     (641494.6, 4290226.8,   34.5,   34.5,   0.0);   (641534.6,
4290226.8,   35.0,   35.0,   0.0);
     (641574.6, 4290226.8,   35.5,   35.5,   0.0);   (641614.6,
4290226.8,   35.8,   35.8,   0.0);
     (641654.6, 4290226.8,   35.2,   35.2,   0.0);   (641694.6,
4290226.8,   34.2,   34.2,   0.0);
     (641734.6, 4290226.8,   34.1,   34.1,   0.0);   (641774.6,
4290226.8,   34.4,   34.4,   0.0);
     (641814.6, 4290226.8,   34.6,   34.6,   0.0);   (641854.6,
4290226.8,   34.9,   34.9,   0.0);
     (641894.6, 4290226.8,   35.1,   35.1,   0.0);   (641934.6,
4290226.8,   35.6,   35.6,   0.0);
     (641974.6, 4290226.8,   36.1,   36.1,   0.0);   (642014.6,

```
4290226.8,      36.4,      36.4,       0.0);
     ( 642054.6, 4290226.8,      36.7,      36.7,       0.0);         ( 642094.6,
4290226.8,      37.1,      37.1,       0.0);
     ( 642134.6, 4290226.8,      37.3,      37.3,       0.0);         ( 642174.6,
4290226.8,      37.3,      37.3,       0.0);
     ( 642214.6, 4290226.8,      37.5,      37.5,       0.0);         ( 642254.6,
4290226.8,      37.5,      37.5,       0.0);
     ( 642294.6, 4290226.8,      37.0,      37.0,       0.0);         ( 642334.6,
4290226.8,      36.2,      36.2,       0.0);
     ( 642374.6, 4290226.8,      36.1,      36.1,       0.0);         ( 642414.6,
4290226.8,      36.3,      36.3,       0.0);
     ( 642454.6, 4290226.8,      36.4,      36.4,       0.0);         ( 642494.6,
4290226.8,      36.8,      36.8,       0.0);
     ( 642534.6, 4290226.8,      37.5,      37.5,       0.0);         ( 642574.6,
4290226.8,      38.5,      38.5,       0.0);
     ( 642614.6, 4290226.8,      38.7,      38.7,       0.0);         ( 641374.6,
4290266.8,      33.3,      33.3,       0.0);
     ( 641414.6, 4290266.8,      33.7,      33.7,       0.0);         ( 641454.6,
4290266.8,      34.5,      34.5,       0.0);
     ( 641494.6, 4290266.8,      34.9,      34.9,       0.0);         ( 641534.6,
4290266.8,      35.3,      35.3,       0.0);
     ( 641574.6, 4290266.8,      35.2,      35.2,       0.0);         ( 641614.6,
4290266.8,      34.8,      34.8,       0.0);
     ( 641654.6, 4290266.8,      34.2,      34.2,       0.0);         ( 641694.6,
4290266.8,      33.8,      33.8,       0.0);
     ( 641734.6, 4290266.8,      33.9,      33.9,       0.0);         ( 641774.6,
4290266.8,      34.2,      34.2,       0.0);
     ( 641814.6, 4290266.8,      34.5,      34.5,       0.0);         ( 641854.6,
4290266.8,      34.6,      34.6,       0.0);
     ( 641894.6, 4290266.8,      35.0,      35.0,       0.0);         ( 641934.6,
4290266.8,      35.5,      35.5,       0.0);
     ( 641974.6, 4290266.8,      35.9,      35.9,       0.0);         ( 642014.6,
4290266.8,      36.3,      36.3,       0.0);
     ( 642054.6, 4290266.8,      36.8,      36.8,       0.0);         ( 642094.6,
4290266.8,      37.1,      37.1,       0.0);
     ( 642134.6, 4290266.8,      37.0,      37.0,       0.0);         ( 642174.6,
4290266.8,      36.8,      36.8,       0.0);
     ( 642214.6, 4290266.8,      36.8,      36.8,       0.0);         ( 642254.6,
4290266.8,      37.0,      37.0,       0.0);
     ( 642294.6, 4290266.8,      36.5,      36.5,       0.0);         ( 642334.6,
4290266.8,      35.8,      35.8,       0.0);
     ( 642374.6, 4290266.8,      36.0,      36.0,       0.0);         ( 642414.6,
4290266.8,      36.5,      36.5,       0.0);
     ( 642454.6, 4290266.8,      36.5,      36.5,       0.0);         ( 642494.6,
4290266.8,      36.7,      36.7,       0.0);
     ( 642534.6, 4290266.8,      37.2,      37.2,       0.0);         ( 642574.6,
4290266.8,      38.3,      38.3,       0.0);
     ( 642614.6, 4290266.8,      38.6,      38.6,       0.0);         ( 641374.6,
4290306.8,      33.3,      33.3,       0.0);
     ( 641414.6, 4290306.8,      34.0,      34.0,       0.0);         ( 641454.6,
```

4290306.8,   34.7,   34.7,   0.0);
     (641494.6, 4290306.8,   35.0,   35.0,   0.0);   (641534.6,
4290306.8,   34.8,   34.8,   0.0);
     (641574.6, 4290306.8,   34.0,   34.0,   0.0);   (641614.6,
4290306.8,   33.6,   33.6,   0.0);
     (641654.6, 4290306.8,   33.4,   33.4,   0.0);   (641694.6,
4290306.8,   33.7,   33.7,   0.0);
     (641734.6, 4290306.8,   34.2,   34.2,   0.0);   (641774.6,
4290306.8,   34.8,   34.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (641814.6, 4290306.8,   35.1,   35.1,   0.0);   (641854.6,
4290306.8,   35.1,   35.1,   0.0);
     (641894.6, 4290306.8,   35.2,   35.2,   0.0);   (641934.6,
4290306.8,   35.5,   35.5,   0.0);
     (641974.6, 4290306.8,   35.9,   35.9,   0.0);   (642014.6,
4290306.8,   36.5,   36.5,   0.0);
     (642054.6, 4290306.8,   37.0,   37.0,   0.0);   (642094.6,
4290306.8,   36.9,   36.9,   0.0);
     (642134.6, 4290306.8,   36.7,   36.7,   0.0);   (642174.6,
4290306.8,   36.4,   36.4,   0.0);
     (642214.6, 4290306.8,   36.2,   36.2,   0.0);   (642254.6,
4290306.8,   36.1,   36.1,   0.0);
     (642294.6, 4290306.8,   35.9,   35.9,   0.0);   (642334.6,
4290306.8,   35.6,   35.6,   0.0);
     (642374.6, 4290306.8,   36.4,   36.4,   0.0);   (642414.6,
4290306.8,   37.1,   37.1,   0.0);
     (642454.6, 4290306.8,   37.0,   37.0,   0.0);   (642494.6,
4290306.8,   37.0,   37.0,   0.0);
     (642534.6, 4290306.8,   37.2,   37.2,   0.0);   (642574.6,
4290306.8,   38.0,   38.0,   0.0);
     (642614.6, 4290306.8,   38.8,   38.8,   0.0);   (641374.6,
4290346.8,   34.0,   34.0,   0.0);
     (641414.6, 4290346.8,   34.2,   34.2,   0.0);   (641454.6,
4290346.8,   34.2,   34.2,   0.0);
     (641494.6, 4290346.8,   33.9,   33.9,   0.0);   (641534.6,
4290346.8,   33.5,   33.5,   0.0);
     (641574.6, 4290346.8,   33.1,   33.1,   0.0);   (641614.6,
4290346.8,   33.1,   33.1,   0.0);
     (641654.6, 4290346.8,   33.5,   33.5,   0.0);   (641694.6,

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4290346.8,      34.2,      34.2,       0.0);
     ( 641734.6, 4290346.8,      34.6,      34.6,       0.0);         ( 641774.6,
4290346.8,      35.1,      35.1,       0.0);
     ( 641814.6, 4290346.8,      35.5,      35.5,       0.0);         ( 641854.6,
4290346.8,      35.7,      35.7,       0.0);
     ( 641894.6, 4290346.8,      36.0,      36.0,       0.0);         ( 641934.6,
4290346.8,      36.2,      36.2,       0.0);
     ( 641974.6, 4290346.8,      36.3,      36.3,       0.0);         ( 642014.6,
4290346.8,      36.5,      36.5,       0.0);
     ( 642054.6, 4290346.8,      36.7,      36.7,       0.0);         ( 642094.6,
4290346.8,      36.5,      36.5,       0.0);
     ( 642134.6, 4290346.8,      36.5,      36.5,       0.0);         ( 642174.6,
4290346.8,      36.2,      36.2,       0.0);
     ( 642214.6, 4290346.8,      35.9,      35.9,       0.0);         ( 642254.6,
4290346.8,      35.6,      35.6,       0.0);
     ( 642294.6, 4290346.8,      35.5,      35.5,       0.0);         ( 642334.6,
4290346.8,      35.6,      35.6,       0.0);
     ( 642374.6, 4290346.8,      36.3,      36.3,       0.0);         ( 642414.6,
4290346.8,      37.0,      37.0,       0.0);
     ( 642454.6, 4290346.8,      37.1,      37.1,       0.0);         ( 642494.6,
4290346.8,      37.1,      37.1,       0.0);
     ( 642534.6, 4290346.8,      37.4,      37.4,       0.0);         ( 642574.6,
4290346.8,      38.1,      38.1,       0.0);
     ( 642614.6, 4290346.8,      38.8,      38.8,       0.0);         ( 641374.6,
4290386.8,      34.0,      34.0,       0.0);
     ( 641414.6, 4290386.8,      34.0,      34.0,       0.0);         ( 641454.6,
4290386.8,      33.7,      33.7,       0.0);
     ( 641494.6, 4290386.8,      33.0,      33.0,       0.0);         ( 641534.6,
4290386.8,      32.9,      32.9,       0.0);
     ( 641574.6, 4290386.8,      33.2,      33.2,       0.0);         ( 641614.6,
4290386.8,      33.5,      33.5,       0.0);
     ( 641654.6, 4290386.8,      33.8,      33.8,       0.0);         ( 641694.6,
4290386.8,      34.3,      34.3,       0.0);
     ( 641734.6, 4290386.8,      34.9,      34.9,       0.0);         ( 641774.6,
4290386.8,      35.5,      35.5,       0.0);
     ( 641814.6, 4290386.8,      35.9,      35.9,       0.0);         ( 641854.6,
4290386.8,      36.1,      36.1,       0.0);
     ( 641894.6, 4290386.8,      36.5,      36.5,       0.0);         ( 641934.6,
4290386.8,      36.9,      36.9,       0.0);
     ( 641974.6, 4290386.8,      37.0,      37.0,       0.0);         ( 642014.6,
4290386.8,      36.7,      36.7,       0.0);
     ( 642054.6, 4290386.8,      36.3,      36.3,       0.0);         ( 642094.6,
4290386.8,      35.9,      35.9,       0.0);
     ( 642134.6, 4290386.8,      36.0,      36.0,       0.0);         ( 642174.6,
4290386.8,      35.6,      35.6,       0.0);
     ( 642214.6, 4290386.8,      35.3,      35.3,       0.0);         ( 642254.6,
4290386.8,      35.2,      35.2,       0.0);
     ( 642294.6, 4290386.8,      35.3,      35.3,       0.0);         ( 642334.6,
4290386.8,      35.9,      35.9,       0.0);
     ( 642374.6, 4290386.8,      36.5,      36.5,       0.0);         ( 642414.6,
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4290386.8,   37.4,   37.4,   0.0);
     (642454.6, 4290386.8,   37.4,   37.4,   0.0);   (642494.6,
4290386.8,   37.4,   37.4,   0.0);
     (642534.6, 4290386.8,   37.6,   37.6,   0.0);   (642574.6,
4290386.8,   38.2,   38.2,   0.0);
     (642614.6, 4290386.8,   38.7,   38.7,   0.0);   (641374.6,
4290426.8,   33.2,   33.2,   0.0);
     (641414.6, 4290426.8,   33.7,   33.7,   0.0);   (641454.6,
4290426.8,   33.4,   33.4,   0.0);
     (641494.6, 4290426.8,   32.6,   32.6,   0.0);   (641534.6,
4290426.8,   33.3,   33.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (641574.6, 4290426.8,   33.9,   33.9,   0.0);   (641614.6,
4290426.8,   34.1,   34.1,   0.0);
     (641654.6, 4290426.8,   34.3,   34.3,   0.0);   (641694.6,
4290426.8,   34.7,   34.7,   0.0);
     (641734.6, 4290426.8,   35.1,   35.1,   0.0);   (641774.6,
4290426.8,   35.6,   35.6,   0.0);
     (641814.6, 4290426.8,   36.1,   36.1,   0.0);   (641854.6,
4290426.8,   36.1,   36.1,   0.0);
     (641894.6, 4290426.8,   36.4,   36.4,   0.0);   (641934.6,
4290426.8,   36.9,   36.9,   0.0);
     (641974.6, 4290426.8,   37.0,   37.0,   0.0);   (642014.6,
4290426.8,   36.6,   36.6,   0.0);
     (642054.6, 4290426.8,   35.8,   35.8,   0.0);   (642094.6,
4290426.8,   35.3,   35.3,   0.0);
     (642134.6, 4290426.8,   35.1,   35.1,   0.0);   (642174.6,
4290426.8,   34.9,   34.9,   0.0);
     (642214.6, 4290426.8,   35.0,   35.0,   0.0);   (642254.6,
4290426.8,   35.4,   35.4,   0.0);
     (642294.6, 4290426.8,   35.6,   35.6,   0.0);   (642334.6,
4290426.8,   36.1,   36.1,   0.0);
     (642374.6, 4290426.8,   36.7,   36.7,   0.0);   (642414.6,
4290426.8,   37.5,   37.5,   0.0);
     (642454.6, 4290426.8,   37.8,   37.8,   0.0);   (642494.6,
4290426.8,   37.9,   37.9,   0.0);
     (642534.6, 4290426.8,   37.8,   37.8,   0.0);   (642574.6,
4290426.8,   38.4,   38.4,   0.0);
     (642614.6, 4290426.8,   38.5,   38.5,   0.0);   (641374.6,

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4290466.8,      32.7,      32.7,       0.0);
     ( 641414.6, 4290466.8,      32.8,      32.8,       0.0);         ( 641454.6,
4290466.8,      32.8,      32.8,       0.0);
     ( 641494.6, 4290466.8,      32.6,      32.6,       0.0);         ( 641534.6,
4290466.8,      33.4,      33.4,       0.0);
     ( 641574.6, 4290466.8,      33.9,      33.9,       0.0);         ( 641614.6,
4290466.8,      34.3,      34.3,       0.0);
     ( 641654.6, 4290466.8,      35.1,      35.1,       0.0);         ( 641694.6,
4290466.8,      35.2,      35.2,       0.0);
     ( 641734.6, 4290466.8,      35.4,      35.4,       0.0);         ( 641774.6,
4290466.8,      35.6,      35.6,       0.0);
     ( 641814.6, 4290466.8,      35.6,      35.6,       0.0);         ( 641854.6,
4290466.8,      35.7,      35.7,       0.0);
     ( 641894.6, 4290466.8,      35.9,      35.9,       0.0);         ( 641934.6,
4290466.8,      36.5,      36.5,       0.0);
     ( 641974.6, 4290466.8,      36.5,      36.5,       0.0);         ( 642014.6,
4290466.8,      36.1,      36.1,       0.0);
     ( 642054.6, 4290466.8,      35.4,      35.4,       0.0);         ( 642094.6,
4290466.8,      34.8,      34.8,       0.0);
     ( 642134.6, 4290466.8,      34.6,      34.6,       0.0);         ( 642174.6,
4290466.8,      34.8,      34.8,       0.0);
     ( 642214.6, 4290466.8,      35.3,      35.3,       0.0);         ( 642254.6,
4290466.8,      35.9,      35.9,       0.0);
     ( 642294.6, 4290466.8,      35.9,      35.9,       0.0);         ( 642334.6,
4290466.8,      36.2,      36.2,       0.0);
     ( 642374.6, 4290466.8,      36.8,      36.8,       0.0);         ( 642414.6,
4290466.8,      37.5,      37.5,       0.0);
     ( 642454.6, 4290466.8,      38.2,      38.2,       0.0);         ( 642494.6,
4290466.8,      38.5,      38.5,       0.0);
     ( 642534.6, 4290466.8,      38.4,      38.4,       0.0);         ( 642574.6,
4290466.8,      38.5,      38.5,       0.0);
     ( 642614.6, 4290466.8,      38.2,      38.2,       0.0);         ( 641920.1,
4290522.6,      35.4,      35.4,       0.0);
     ( 641960.1, 4290522.6,      35.4,      35.4,       0.0);         ( 642000.1,
4290522.6,      35.4,      35.4,       0.0);
     ( 642040.1, 4290522.6,      35.2,      35.2,       0.0);         ( 642080.1,
4290522.6,      35.0,      35.0,       0.0);
     ( 642120.1, 4290522.6,      35.2,      35.2,       0.0);         ( 642160.1,
4290522.6,      35.5,      35.5,       0.0);
     ( 642200.1, 4290522.6,      35.8,      35.8,       0.0);         ( 642240.1,
4290522.6,      36.1,      36.1,       0.0);
     ( 642280.1, 4290522.6,      36.3,      36.3,       0.0);         ( 642320.1,
4290522.6,      36.6,      36.6,       0.0);
     ( 642360.1, 4290522.6,      36.9,      36.9,       0.0);         ( 642400.1,
4290522.6,      37.3,      37.3,       0.0);
     ( 642440.1, 4290522.6,      37.9,      37.9,       0.0);         ( 642480.1,
4290522.6,      38.1,      38.1,       0.0);
     ( 642520.1, 4290522.6,      38.2,      38.2,       0.0);         ( 642560.1,
4290522.6,      38.3,      38.3,       0.0);
     ( 642600.1, 4290522.6,      38.2,      38.2,       0.0);         ( 641920.1,
```

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4290562.6,      34.5,      34.5,       0.0);
     ( 641960.1, 4290562.6,      34.7,      34.7,       0.0);         ( 642000.1,
4290562.6,      34.8,      34.8,       0.0);
     ( 642040.1, 4290562.6,      35.0,      35.0,       0.0);         ( 642080.1,
4290562.6,      35.1,      35.1,       0.0);
     ( 642120.1, 4290562.6,      35.2,      35.2,       0.0);         ( 642160.1,
4290562.6,      35.5,      35.5,       0.0);
     ( 642200.1, 4290562.6,      35.5,      35.5,       0.0);         ( 642240.1,
4290562.6,      35.6,      35.6,       0.0);
     ( 642280.1, 4290562.6,      35.9,      35.9,       0.0);         ( 642320.1,
4290562.6,      36.1,      36.1,       0.0);
     ( 642360.1, 4290562.6,      36.4,      36.4,       0.0);         ( 642400.1,
4290562.6,      36.7,      36.7,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                         ***       13:19:08

                                  PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 642440.1, 4290562.6,      37.0,      37.0,       0.0);         ( 642480.1,
4290562.6,      37.3,      37.3,       0.0);
     ( 642520.1, 4290562.6,      37.5,      37.5,       0.0);         ( 642560.1,
4290562.6,      37.9,      37.9,       0.0);
     ( 642600.1, 4290562.6,      38.3,      38.3,       0.0);         ( 641920.1,
4290602.6,      34.5,      34.5,       0.0);
     ( 641960.1, 4290602.6,      34.6,      34.6,       0.0);         ( 642000.1,
4290602.6,      34.8,      34.8,       0.0);
     ( 642040.1, 4290602.6,      34.9,      34.9,       0.0);         ( 642080.1,
4290602.6,      35.1,      35.1,       0.0);
     ( 642120.1, 4290602.6,      35.2,      35.2,       0.0);         ( 642160.1,
4290602.6,      35.4,      35.4,       0.0);
     ( 642200.1, 4290602.6,      35.3,      35.3,       0.0);         ( 642240.1,
4290602.6,      35.5,      35.5,       0.0);
     ( 642280.1, 4290602.6,      35.7,      35.7,       0.0);         ( 642320.1,
4290602.6,      35.9,      35.9,       0.0);
     ( 642360.1, 4290602.6,      36.1,      36.1,       0.0);         ( 642400.1,
4290602.6,      36.3,      36.3,       0.0);
     ( 642440.1, 4290602.6,      36.6,      36.6,       0.0);         ( 642480.1,
4290602.6,      36.8,      36.8,       0.0);
     ( 642520.1, 4290602.6,      37.1,      37.1,       0.0);         ( 642560.1,
4290602.6,      37.4,      37.4,       0.0);
     ( 642600.1, 4290602.6,      38.3,      38.3,       0.0);         ( 641920.1,
4290642.6,      34.5,      34.5,       0.0);
     ( 641960.1, 4290642.6,      34.6,      34.6,       0.0);         ( 642000.1,
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4290642.6,      34.8,      34.8,       0.0);
     ( 642040.1, 4290642.6,      35.0,      35.0,       0.0);         ( 642080.1,
4290642.6,      35.1,      35.1,       0.0);
     ( 642120.1, 4290642.6,      35.2,      35.2,       0.0);         ( 642160.1,
4290642.6,      35.4,      35.4,       0.0);
     ( 642200.1, 4290642.6,      35.3,      35.3,       0.0);         ( 642240.1,
4290642.6,      35.4,      35.4,       0.0);
     ( 642280.1, 4290642.6,      35.6,      35.6,       0.0);         ( 642320.1,
4290642.6,      35.8,      35.8,       0.0);
     ( 642360.1, 4290642.6,      36.0,      36.0,       0.0);         ( 642400.1,
4290642.6,      36.2,      36.2,       0.0);
     ( 642440.1, 4290642.6,      36.5,      36.5,       0.0);         ( 642480.1,
4290642.6,      36.7,      36.7,       0.0);
     ( 642520.1, 4290642.6,      36.9,      36.9,       0.0);         ( 642560.1,
4290642.6,      37.3,      37.3,       0.0);
     ( 642600.1, 4290642.6,      37.9,      37.9,       0.0);         ( 641920.1,
4290682.6,      34.5,      34.5,       0.0);
     ( 641960.1, 4290682.6,      34.7,      34.7,       0.0);         ( 642000.1,
4290682.6,      34.8,      34.8,       0.0);
     ( 642040.1, 4290682.6,      35.0,      35.0,       0.0);         ( 642080.1,
4290682.6,      35.1,      35.1,       0.0);
     ( 642120.1, 4290682.6,      35.3,      35.3,       0.0);         ( 642160.1,
4290682.6,      35.3,      35.3,       0.0);
     ( 642200.1, 4290682.6,      35.2,      35.2,       0.0);         ( 642240.1,
4290682.6,      35.4,      35.4,       0.0);
     ( 642280.1, 4290682.6,      35.6,      35.6,       0.0);         ( 642320.1,
4290682.6,      35.8,      35.8,       0.0);
     ( 642360.1, 4290682.6,      36.0,      36.0,       0.0);         ( 642400.1,
4290682.6,      36.2,      36.2,       0.0);
     ( 642440.1, 4290682.6,      36.4,      36.4,       0.0);         ( 642480.1,
4290682.6,      36.6,      36.6,       0.0);
     ( 642520.1, 4290682.6,      36.8,      36.8,       0.0);         ( 642560.1,
4290682.6,      37.1,      37.1,       0.0);
     ( 642600.1, 4290682.6,      37.7,      37.7,       0.0);         ( 641920.1,
4290722.6,      34.5,      34.5,       0.0);
     ( 641960.1, 4290722.6,      34.6,      34.6,       0.0);         ( 642000.1,
4290722.6,      34.8,      34.8,       0.0);
     ( 642040.1, 4290722.6,      35.0,      35.0,       0.0);         ( 642080.1,
4290722.6,      35.1,      35.1,       0.0);
     ( 642120.1, 4290722.6,      35.3,      35.3,       0.0);         ( 642160.1,
4290722.6,      35.3,      35.3,       0.0);
     ( 642200.1, 4290722.6,      35.2,      35.2,       0.0);         ( 642240.1,
4290722.6,      35.4,      35.4,       0.0);
     ( 642280.1, 4290722.6,      35.6,      35.6,       0.0);         ( 642320.1,
4290722.6,      35.7,      35.7,       0.0);
     ( 642360.1, 4290722.6,      35.9,      35.9,       0.0);         ( 642400.1,
4290722.6,      36.1,      36.1,       0.0);
     ( 642440.1, 4290722.6,      36.3,      36.3,       0.0);         ( 642480.1,
4290722.6,      36.5,      36.5,       0.0);
     ( 642520.1, 4290722.6,      36.8,      36.8,       0.0);         ( 642560.1,
```

4290722.6,   37.0,   37.0,   0.0);
     (642600.1, 4290722.6,   37.5,   37.5,   0.0);   (641920.1,
4290762.6,   34.5,   34.5,   0.0);
     (641960.1, 4290762.6,   34.6,   34.6,   0.0);   (642000.1,
4290762.6,   34.8,   34.8,   0.0);
     (642040.1, 4290762.6,   35.0,   35.0,   0.0);   (642080.1,
4290762.6,   35.1,   35.1,   0.0);
     (642120.1, 4290762.6,   35.3,   35.3,   0.0);   (642160.1,
4290762.6,   35.3,   35.3,   0.0);
     (642200.1, 4290762.6,   35.2,   35.2,   0.0);   (642240.1,
4290762.6,   35.4,   35.4,   0.0);
     (642280.1, 4290762.6,   35.5,   35.5,   0.0);   (642320.1,
4290762.6,   35.7,   35.7,   0.0);
     (642360.1, 4290762.6,   35.9,   35.9,   0.0);   (642400.1,
4290762.6,   36.0,   36.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (642440.1, 4290762.6,   36.2,   36.2,   0.0);   (642480.1,
4290762.6,   36.5,   36.5,   0.0);
     (642520.1, 4290762.6,   36.7,   36.7,   0.0);   (642560.1,
4290762.6,   37.0,   37.0,   0.0);
     (642600.1, 4290762.6,   37.4,   37.4,   0.0);   (641920.1,
4290802.6,   34.5,   34.5,   0.0);
     (641960.1, 4290802.6,   34.7,   34.7,   0.0);   (642000.1,
4290802.6,   34.8,   34.8,   0.0);
     (642040.1, 4290802.6,   35.0,   35.0,   0.0);   (642080.1,
4290802.6,   35.1,   35.1,   0.0);
     (642120.1, 4290802.6,   35.2,   35.2,   0.0);   (642160.1,
4290802.6,   35.2,   35.2,   0.0);
     (642200.1, 4290802.6,   35.2,   35.2,   0.0);   (642240.1,
4290802.6,   35.3,   35.3,   0.0);
     (642280.1, 4290802.6,   35.5,   35.5,   0.0);   (642320.1,
4290802.6,   35.7,   35.7,   0.0);
     (642360.1, 4290802.6,   35.9,   35.9,   0.0);   (642400.1,
4290802.6,   36.0,   36.0,   0.0);
     (642440.1, 4290802.6,   36.2,   36.2,   0.0);   (642480.1,
4290802.6,   36.4,   36.4,   0.0);
     (642520.1, 4290802.6,   36.6,   36.6,   0.0);   (642560.1,
4290802.6,   36.9,   36.9,   0.0);
     (642600.1, 4290802.6,   37.3,   37.3,   0.0);   (641920.1,

```
4290842.6,      34.1,      34.1,       0.0);
     ( 641960.1, 4290842.6,      34.4,      34.4,       0.0);         ( 642000.1,
4290842.6,      34.6,      34.6,       0.0);
     ( 642040.1, 4290842.6,      34.7,      34.7,       0.0);         ( 642080.1,
4290842.6,      34.9,      34.9,       0.0);
     ( 642120.1, 4290842.6,      35.2,      35.2,       0.0);         ( 642160.1,
4290842.6,      35.2,      35.2,       0.0);
     ( 642200.1, 4290842.6,      35.1,      35.1,       0.0);         ( 642240.1,
4290842.6,      35.3,      35.3,       0.0);
     ( 642280.1, 4290842.6,      35.5,      35.5,       0.0);         ( 642320.1,
4290842.6,      35.7,      35.7,       0.0);
     ( 642360.1, 4290842.6,      35.8,      35.8,       0.0);         ( 642400.1,
4290842.6,      36.0,      36.0,       0.0);
     ( 642440.1, 4290842.6,      36.2,      36.2,       0.0);         ( 642480.1,
4290842.6,      36.4,      36.4,       0.0);
     ( 642520.1, 4290842.6,      36.6,      36.6,       0.0);         ( 642560.1,
4290842.6,      36.9,      36.9,       0.0);
     ( 642600.1, 4290842.6,      37.2,      37.2,       0.0);         ( 641920.1,
4290882.6,      33.3,      33.3,       0.0);
     ( 641960.1, 4290882.6,      33.4,      33.4,       0.0);         ( 642000.1,
4290882.6,      33.6,      33.6,       0.0);
     ( 642040.1, 4290882.6,      33.5,      33.5,       0.0);         ( 642080.1,
4290882.6,      33.4,      33.4,       0.0);
     ( 642120.1, 4290882.6,      34.3,      34.3,       0.0);         ( 642160.1,
4290882.6,      34.9,      34.9,       0.0);
     ( 642200.1, 4290882.6,      35.1,      35.1,       0.0);         ( 642240.1,
4290882.6,      35.3,      35.3,       0.0);
     ( 642280.1, 4290882.6,      35.4,      35.4,       0.0);         ( 642320.1,
4290882.6,      35.6,      35.6,       0.0);
     ( 642360.1, 4290882.6,      35.8,      35.8,       0.0);         ( 642400.1,
4290882.6,      35.9,      35.9,       0.0);
     ( 642440.1, 4290882.6,      36.1,      36.1,       0.0);         ( 642480.1,
4290882.6,      36.3,      36.3,       0.0);
     ( 642520.1, 4290882.6,      36.5,      36.5,       0.0);         ( 642560.1,
4290882.6,      36.7,      36.7,       0.0);
     ( 642600.1, 4290882.6,      37.0,      37.0,       0.0);         ( 641450.6,
4290754.4,      33.0,      33.0,       0.0);
     ( 641490.6, 4290754.4,      32.6,      32.6,       0.0);         ( 641530.6,
4290754.4,      32.7,      32.7,       0.0);
     ( 641570.6, 4290754.4,      32.3,      32.3,       0.0);         ( 641610.6,
4290754.4,      32.3,      32.3,       0.0);
     ( 641650.6, 4290754.4,      32.1,      32.1,       0.0);         ( 641450.6,
4290794.4,      34.1,      34.1,       0.0);
     ( 641490.6, 4290794.4,      33.9,      33.9,       0.0);         ( 641530.6,
4290794.4,      33.7,      33.7,       0.0);
     ( 641570.6, 4290794.4,      33.4,      33.4,       0.0);         ( 641610.6,
4290794.4,      32.8,      32.8,       0.0);
     ( 641650.6, 4290794.4,      32.2,      32.2,       0.0);         ( 641450.6,
4290834.4,      34.3,      34.3,       0.0);
     ( 641490.6, 4290834.4,      34.1,      34.1,       0.0);         ( 641530.6,
```

4290834.4,   33.9,   33.9,   0.0);
     (641570.6, 4290834.4,   33.7,   33.7,   0.0);   (641610.6,
4290834.4,   33.4,   33.4,   0.0);
     (641650.6, 4290834.4,   32.6,   32.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

               NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   SAC Met\14-18.SFC
                  Met Version:  19191
   Profile file:   SAC Met\14-18.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:    93225                  Upper air station no.:    23230
                  Name: UNKNOWN                                    Name:
OAKLAND/WSO_AP
                  Year:   2014                                     Year:   2014

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
 14 01 01   1 01  -15.5  0.166 -9.000 -9.000 -999.  162.     30.3  0.05   0.69
1.00    2.36  211.   10.1  275.4    2.0
 14 01 01   1 02   -3.4  0.079 -9.000 -9.000 -999.   56.     13.1  0.06   0.69
1.00    1.06  188.   10.1  273.8    2.0
 14 01 01   1 03  -12.2  0.146 -9.000 -9.000 -999.  134.     23.5  0.05   0.69
1.00    2.10  136.   10.1  275.9    2.0
 14 01 01   1 04  -23.3  0.226 -9.000 -9.000 -999.  257.     56.0  0.05   0.69
1.00    3.15  142.   10.1  277.0    2.0
 14 01 01   1 05  -16.2  0.171 -9.000 -9.000 -999.  170.     32.2  0.06   0.69
1.00    2.33  186.   10.1  274.9    2.0
 14 01 01   1 06   -3.0  0.076 -9.000 -9.000 -999.   55.     12.9  0.06   0.69
1.00    0.99  204.   10.1  273.1    2.0
 14 01 01   1 07   -4.8  0.092 -9.000 -9.000 -999.   67.     14.7  0.07   0.69
1.00    1.28  171.   10.1  272.0    2.0
 14 01 01   1 08   -1.8  0.065 -9.000 -9.000 -999.   40.     14.3  0.06   0.69
1.00    0.67  183.   10.1  273.1    2.0
 14 01 01   1 09   -0.3  0.062 -9.000 -9.000 -999.   37.     75.4  0.06   0.69
0.41    0.82  181.   10.1  278.1    2.0
 14 01 01   1 10   36.6  0.151  0.431  0.020   80.  141.     -8.6  0.05   0.69
0.28    1.55  141.   10.1  280.4    2.0
 14 01 01   1 11   65.9  0.162  0.666  0.019  163.  157.     -5.9  0.07   0.69
0.24    1.48  161.   10.1  283.1    2.0
 14 01 01   1 12   82.5  0.174  0.784  0.017  212.  175.     -5.8  0.07   0.69
0.22    1.59  152.   10.1  285.9    2.0
 14 01 01   1 13   86.0  0.219  0.835  0.015  246.  246.    -11.1  0.07   0.69
0.22    2.18  154.   10.1  288.1    2.0
 14 01 01   1 14   74.8  0.234  0.838  0.014  286.  272.    -15.6  0.05   0.69
```

```
0.23    2.56  229.   10.1  288.1    2.0
 14 01 01   1 15   42.8  0.198  0.714  0.013  308.  212.    -16.5  0.06   0.69
0.26    2.08  180.   10.1  288.8    2.0
 14 01 01   1 16   15.1  0.151  0.507  0.013  315.  141.    -20.7  0.06   0.69
0.35    1.62  194.   10.1  288.1    2.0
 14 01 01   1 17   -9.6  0.137 -9.000 -9.000 -999.  122.     24.4  0.05   0.69
0.61    1.96  223.   10.1  286.4    2.0
 14 01 01   1 18   -1.5  0.061 -9.000 -9.000 -999.   38.     13.6  0.04   0.69
1.00    0.65  251.   10.1  283.8    2.0
 14 01 01   1 19   -1.5  0.058 -9.000 -9.000 -999.   34.     12.1  0.02   0.69
1.00    0.72   47.   10.1  280.9    2.0
 14 01 01   1 20   -3.4  0.076 -9.000 -9.000 -999.   50.     11.8  0.03   0.69
1.00    1.20   81.   10.1  278.8    2.0
 14 01 01   1 21   -2.2  0.065 -9.000 -9.000 -999.   40.     11.5  0.03   0.69
1.00    0.91   73.   10.1  278.8    2.0
 14 01 01   1 22   -1.6  0.059 -9.000 -9.000 -999.   35.     12.0  0.02   0.69
1.00    0.74   22.   10.1  279.2    2.0
 14 01 01   1 23   -1.9  0.063 -9.000 -9.000 -999.   38.     11.9  0.03   0.69
1.00    0.82   60.   10.1  277.0    2.0
 14 01 01   1 24   -5.1  0.090 -9.000 -9.000 -999.   65.     13.1  0.02   0.69
1.00    1.57   34.   10.1  276.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 14 01 01 01   10.1 1  211.    2.36   275.4   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***        13:19:08

                                   PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUELING/ ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL13       , VOL14       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
```

- -
641284.31 4290506.68 2.24898 641324.31
4290506.68 2.62629
641364.31 4290506.68 3.11393 641404.31
4290506.68 3.75765
641284.31 4290546.68 2.30285 641324.31
4290546.68 2.70000
641364.31 4290546.68 3.22072 641404.31
4290546.68 3.91824
641284.31 4290586.68 2.33947 641324.31
4290586.68 2.74888
641364.31 4290586.68 3.28626 641404.31
4290586.68 4.00864
641284.31 4290626.68 2.37006 641324.31
4290626.68 2.78288
641364.31 4290626.68 3.32812 641404.31
4290626.68 4.05821
641284.31 4290666.68 2.39617 641324.31
4290666.68 2.81528
641364.31 4290666.68 3.37225 641404.31
4290666.68 4.11102
641284.31 4290706.68 2.41585 641324.31
4290706.68 2.84157
641364.31 4290706.68 3.40958 641404.31
4290706.68 4.17253
641284.31 4290746.68 2.43550 641324.31
4290746.68 2.86843
641364.31 4290746.68 3.45249 641404.31
4290746.68 4.25399
641284.31 4290786.68 2.46202 641324.31
4290786.68 2.90986
641364.31 4290786.68 3.51689 641404.31
4290786.68 4.36313
641284.31 4290826.68 2.50031 641324.31
4290826.68 2.96906
641364.31 4290826.68 3.59957 641404.31
4290826.68 4.48242
641284.31 4290866.68 2.54837 641324.31
4290866.68 3.03630
641364.31 4290866.68 3.68752 641404.31
4290866.68 4.58468
641268.28 4290889.76 2.41336 641308.28
4290889.76 2.85996
641348.28 4290889.76 3.44531 641388.28
4290889.76 4.23416
641428.28 4290889.76 5.29990 641468.28
4290889.76 6.71427
641508.28 4290889.76 8.51097 641548.28
4290889.76 10.59062

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         641588.28    4290889.76       12.66470                       641628.28
4290889.76       14.30149
         642188.28    4290889.76        1.79156                       642228.28
4290889.76        1.58900
         642268.28    4290889.76        1.42185                       642308.28
4290889.76        1.28191
         642348.28    4290889.76        1.16327                       642388.28
4290889.76        1.06146
         642428.28    4290889.76        0.97313                       641268.28
4290929.76        2.46021
         641308.28    4290929.76        2.91636                       641348.28
4290929.76        3.50642
         641388.28    4290929.76        4.28102                       641428.28
4290929.76        5.28529
         641468.28    4290929.76        6.53919                       641508.28
4290929.76        8.00509
         641548.28    4290929.76        9.54109                       641588.28
4290929.76       10.91429
         641628.28    4290929.76       11.87131                       642188.28
4290929.76        1.70505
         642228.28    4290929.76        1.51569                       642268.28
4290929.76        1.35907
         642308.28    4290929.76        1.22746                       642348.28
4290929.76        1.11587
         642388.28    4290929.76        1.02039                       642428.28
4290929.76        0.93786
         641268.28    4290969.76        2.50290                       641308.28
4290969.76        2.96051
         641348.28    4290969.76        3.54261                       641388.28
4290969.76        4.28098
         641428.28    4290969.76        5.19192                       641468.28
4290969.76        6.25789
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUELING/ ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF TOG      IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641508.28	4290969.76	7.40885	641548.28	4290969.76	8.51325
641588.28	4290969.76	9.41188	641628.28	4290969.76	9.96648
641668.28	4290969.76	10.08792	641708.28	4290969.76	9.73422
641748.28	4290969.76	8.94182	641788.28	4290969.76	7.86142
641828.28	4290969.76	6.69362	641868.28	4290969.76	5.59267
641908.28	4290969.76	4.63911	641948.28	4290969.76	3.86078
642188.28	4290969.76	1.62505	642228.28	4290969.76	1.44956
642268.28	4290969.76	1.30313	642308.28	4290969.76	1.17897
642348.28	4290969.76	1.07285	642388.28	4290969.76	0.98186
642428.28	4290969.76	0.90360	641268.28	4291009.76	2.53651
641308.28	4291009.76	2.98793	641348.28	4291009.76	3.54891
641388.28	4291009.76	4.23111	641428.28	4291009.76	5.02868
641468.28	4291009.76	5.90421	641508.28	4291009.76	6.78340
641548.28	4291009.76	7.56427	641588.28	4291009.76	8.14833
641628.28	4291009.76	8.46409	641668.28	4291009.76	8.46835
641708.28	4291009.76	8.14214	641748.28	4291009.76	7.51659
641788.28	4291009.76	6.69331	641828.28	4291009.76	5.79881
641868.28	4291009.76	4.94005	641908.28	4291009.76	4.17262
641948.28	4291009.76	3.52458	642188.28	4291009.76	1.55039
642228.28	4291009.76	1.38917	642268.28	4291009.76	1.25239
642308.28	4291009.76	1.13515	642348.28	4291009.76	1.03422
642388.28	4291009.76	0.94745	642428.28	4291009.76	0.87257

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         641268.28    4291049.76        2.55750                      641308.28
4291049.76        2.99397
         641348.28    4291049.76        3.52118                      641388.28
4291049.76        4.13431
         641428.28    4291049.76        4.81127                      641468.28
4291049.76        5.51155
         641508.28    4291049.76        6.17021                      641548.28
4291049.76        6.71680
         641588.28    4291049.76        7.09428                      641628.28
4291049.76        7.26658
         641668.28    4291049.76        7.21149                      641708.28
4291049.76        6.91960
         641748.28    4291049.76        6.41615                      641788.28
4291049.76        5.77239
         641828.28    4291049.76        5.07255                      641868.28
4291049.76        4.39269
         641908.28    4291049.76        3.76949                      641948.28
4291049.76        3.22767
         642188.28    4291049.76        1.47748                      642228.28
4291049.76        1.33067
         642268.28    4291049.76        1.20386                      642308.28
4291049.76        1.09421
         642348.28    4291049.76        0.99892                      642388.28
4291049.76        0.91637
         642428.28    4291049.76        0.84469                      641268.28
4291089.76        2.56408
         641308.28    4291089.76        2.97800                      641348.28
4291089.76        3.46108
         641388.28    4291089.76        3.99736                      641428.28
4291089.76        4.55735
         641468.28    4291089.76        5.10646                      641508.28
4291089.76        5.59418
         641548.28    4291089.76        5.97426                      641588.28
4291089.76        6.21611
         641628.28    4291089.76        6.30151                      641668.28
4291089.76        6.21752
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUELING/ ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641708.28	4291089.76	5.95943	641748.28	4291089.76	5.54765
641788.28	4291089.76	5.03373	641828.28	4291089.76	4.47653
641868.28	4291089.76	3.92966	641908.28	4291089.76	3.41900
641948.28	4291089.76	2.96425	641988.28	4291089.76	2.57409
642028.28	4291089.76	2.24526	642068.28	4291089.76	1.97394
642108.28	4291089.76	1.75277	642148.28	4291089.76	1.56439
641268.28	4291129.76	2.55472	641308.28	4291129.76	2.93921
641348.28	4291129.76	3.37175	641388.28	4291129.76	3.83021
641428.28	4291129.76	4.28425	641468.28	4291129.76	4.70802
641508.28	4291129.76	5.06597	641548.28	4291129.76	5.32936
641588.28	4291129.76	5.48188	641628.28	4291129.76	5.51402
641668.28	4291129.76	5.41769	641708.28	4291129.76	5.19051
641748.28	4291129.76	4.84893	641788.28	4291129.76	4.43133
641828.28	4291129.76	3.98078	641868.28	4291129.76	3.53517
641908.28	4291129.76	3.11300	641948.28	4291129.76	2.72931
641988.28	4291129.76	2.39134	642028.28	4291129.76	2.10214
642068.28	4291129.76	1.85922	642108.28	4291129.76	1.65621
642148.28	4291129.76	1.48531	641374.56	4290226.75	1.99737
641414.56	4290226.75	2.23331	641454.56	4290226.75	2.49660
641494.56	4290226.75	2.78430	641534.56	4290226.75	3.09406

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         641574.56    4290226.75        3.42925                       641614.56
4290226.75        3.79241
         641654.56    4290226.75        4.18266                       641694.56
4290226.75        4.57248
         641734.56    4290226.75        4.95835                       641774.56
4290226.75        5.43083
         641814.56    4290226.75        6.05619                       641854.56
4290226.75        6.69546
         641894.56    4290226.75        7.01576                       641934.56
4290226.75        6.81465
         641974.56    4290226.75        6.21117                       642014.56
4290226.75        5.44824
         642054.56    4290226.75        4.69162                       642094.56
4290226.75        4.01220
         642134.56    4290226.75        3.43084                       642174.56
4290226.75        2.94333
         642214.56    4290226.75        2.53576                       642254.56
4290226.75        2.19819
         642294.56    4290226.75        1.91920                       642334.56
4290226.75        1.68682
         642374.56    4290226.75        1.49078                       642414.56
4290226.75        1.32594
         642454.56    4290226.75        1.18730                       642494.56
4290226.75        1.06950
         642534.56    4290226.75        0.96891                       642574.56
4290226.75        0.88231
         642614.56    4290226.75        0.80834                       641374.56
4290266.75        2.16737
         641414.56    4290266.75        2.45661                       641454.56
4290266.75        2.78714
         641494.56    4290266.75        3.15870                       641534.56
4290266.75        3.57163
         641574.56    4290266.75        4.02950                       641614.56
4290266.75        4.53760
         641654.56    4290266.75        5.08622                       641694.56
4290266.75        5.63491
         641734.56    4290266.75        6.19592                       641774.56
4290266.75        6.89651
         641814.56    4290266.75        7.80464                       641854.56
4290266.75        8.58345
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUELING/ ***
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                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL13       , VOL14       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF TOG      IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         641894.56    4290266.75        8.69053                       641934.56
4290266.75        8.04399
         641974.56    4290266.75        7.00981                       642014.56
4290266.75        5.93238
         642054.56    4290266.75        4.96828                       642094.56
4290266.75        4.16063
         642134.56    4290266.75        3.50117                       642174.56
4290266.75        2.96574
         642214.56    4290266.75        2.53019                       642254.56
4290266.75        2.17606
         642294.56    4290266.75        1.88960                       642334.56
4290266.75        1.65505
         642374.56    4290266.75        1.46014                       642414.56
4290266.75        1.29799
         642454.56    4290266.75        1.16325                       642494.56
4290266.75        1.04929
         642534.56    4290266.75        0.95210                       642574.56
4290266.75        0.86798
         642614.56    4290266.75        0.79590                       641374.56
4290306.75        2.34258
         641414.56    4290306.75        2.69297                       641454.56
4290306.75        3.10613
         641494.56    4290306.75        3.59251                       641534.56
4290306.75        4.15764
         641574.56    4290306.75        4.80243                       641614.56
4290306.75        5.51632
         641654.56    4290306.75        6.30507                       641694.56
4290306.75        7.13671
         641734.56    4290306.75        7.99548                       641774.56
4290306.75        9.07037
         641814.56    4290306.75       10.41796                       641854.56
4290306.75       11.23333
         641894.56    4290306.75       10.76822                       641934.56
4290306.75        9.38077
         641974.56    4290306.75        7.78086                       642014.56
4290306.75        6.34446
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         642054.56    4290306.75        5.16764                      642094.56
4290306.75        4.24244
         642134.56    4290306.75        3.51511                      642174.56
4290306.75        2.94387
         642214.56    4290306.75        2.49295                      642254.56
4290306.75        2.13450
         642294.56    4290306.75        1.84837                      642334.56
4290306.75        1.61735
         642374.56    4290306.75        1.42665                      642414.56
4290306.75        1.26968
         642454.56    4290306.75        1.13986                      642494.56
4290306.75        1.02999
         642534.56    4290306.75        0.93599                      642574.56
4290306.75        0.85452
         642614.56    4290306.75        0.77781                      641374.56
4290346.75        2.52165
         641414.56    4290346.75        2.93634                      641454.56
4290346.75        3.45167
         641494.56    4290346.75        4.08745                      641534.56
4290346.75        4.85687
         641574.56    4290346.75        5.76615                      641614.56
4290346.75        6.82287
         641654.56    4290346.75        8.03632                      641694.56
4290346.75        9.36460
         641734.56    4290346.75       10.75385                      641774.56
4290346.75       12.54240
         641814.56    4290346.75       14.54246                      641854.56
4290346.75       14.93033
         641894.56    4290346.75       13.19221                      641934.56
4290346.75       10.69471
         641974.56    4290346.75        8.43192                      642014.56
4290346.75        6.63182
         642054.56    4290346.75        5.26255                      642094.56
4290346.75        4.23945
         642134.56    4290346.75        3.46581                      642174.56
4290346.75        2.88134
         642214.56    4290346.75        2.43129                      642254.56
4290346.75        2.08091
         642294.56    4290346.75        1.80309                      642334.56
4290346.75        1.57930
         642374.56    4290346.75        1.39585                      642414.56
4290346.75        1.24433
         642454.56    4290346.75        1.11845                      642494.56
4290346.75        1.01181
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUELING/ ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL13 , VOL14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
642534.56	4290346.75	0.92039	642574.56	4290346.75	0.84099
642614.56	4290346.75	0.75742	641374.56	4290386.75	2.70608
641414.56	4290386.75	3.18582	641454.56	4290386.75	3.80579
641494.56	4290386.75	4.60800	641534.56	4290386.75	5.65083
641574.56	4290386.75	6.98469	641614.56	4290386.75	8.62935
641654.56	4290386.75	10.60022	641694.56	4290386.75	12.87420
641734.56	4290386.75	15.33790	641774.56	4290386.75	18.58556
641814.56	4290386.75	21.33450	641854.56	4290386.75	19.89687
641894.56	4290386.75	15.75789	641934.56	4290386.75	11.80671
641974.56	4290386.75	8.83072	642014.56	4290386.75	6.71723
642054.56	4290386.75	5.22060	642094.56	4290386.75	4.15191
642134.56	4290386.75	3.37230	642174.56	4290386.75	2.79928
642214.56	4290386.75	2.36403	642254.56	4290386.75	2.02677
642294.56	4290386.75	1.75938	642334.56	4290386.75	1.54333
642374.56	4290386.75	1.36656	642414.56	4290386.75	1.21958
642454.56	4290386.75	1.09768	642494.56	4290386.75	0.99406

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         642534.56    4290386.75        0.90510                    642574.56
4290386.75        0.82773
         642614.56    4290386.75        0.76044                    641374.56
4290426.75        2.89906
         641414.56    4290426.75        3.44672                    641454.56
4290426.75        4.17062
         641494.56    4290426.75        5.14890                    641534.56
4290426.75        6.52850
         641574.56    4290426.75        8.45486                    641614.56
4290426.75       11.08983
         641654.56    4290426.75       14.54974                    641694.56
4290426.75       18.84788
         641734.56    4290426.75       23.92865                    641774.56
4290426.75       30.55332
         641814.56    4290426.75       32.78999                    641854.56
4290426.75       25.92932
         641894.56    4290426.75       18.04605                    641934.56
4290426.75       12.46110
         641974.56    4290426.75        8.87817                    642014.56
4290426.75        6.58244
         642054.56    4290426.75        5.06167                    642094.56
4290426.75        4.01431
         642134.56    4290426.75        3.26606                    642174.56
4290426.75        2.71666
         642214.56    4290426.75        2.29954                    642254.56
4290426.75        1.97500
         642294.56    4290426.75        1.71821                    642334.56
4290426.75        1.51006
         642374.56    4290426.75        1.33915                    642414.56
4290426.75        1.19671
         642454.56    4290426.75        1.07781                    642494.56
4290426.75        0.97709
         642534.56    4290426.75        0.89074                    642574.56
4290426.75        0.81538
         642614.56    4290426.75        0.75015                    641374.56
4290466.75        3.09258
         641414.56    4290466.75        3.71187                    641454.56
4290466.75        4.54815
         641494.56    4290466.75        5.71691                    641534.56
4290466.75        7.44670
         641574.56    4290466.75       10.08503                    641614.56
4290466.75       14.24758
         641654.56    4290466.75       20.67518                    641694.56
4290466.75       30.21607
         641734.56    4290466.75       43.09803                    641774.56
4290466.75       58.78465
         641814.56    4290466.75       51.17326                    641854.56
4290466.75       31.67447
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
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*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUELING/ ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL13 , VOL14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641894.56	4290466.75	19.20690	641934.56	4290466.75	12.38010
641974.56	4290466.75	8.58296	642014.56	4290466.75	6.31395
642054.56	4290466.75	4.86245	642094.56	4290466.75	3.87334
642134.56	4290466.75	3.16477	642174.56	4290466.75	2.63994
642214.56	4290466.75	2.23982	642254.56	4290466.75	1.92769
642294.56	4290466.75	1.68103	642334.56	4290466.75	1.48048
642374.56	4290466.75	1.31500	642414.56	4290466.75	1.17686
642454.56	4290466.75	1.06046	642494.56	4290466.75	0.96222
642534.56	4290466.75	0.87821	642574.56	4290466.75	0.80516
642614.56	4290466.75	0.74181	641920.09	4290522.63	13.37835
641960.09	4290522.63	9.07560	642000.09	4290522.63	6.60801
642040.09	4290522.63	5.05557	642080.09	4290522.63	4.00901
642120.09	4290522.63	3.26423	642160.09	4290522.63	2.71609
642200.09	4290522.63	2.30098	642240.09	4290522.63	1.97806

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         642280.09    4290522.63        1.72191                    642320.09
4290522.63        1.51492
         642360.09    4290522.63        1.34466                    642400.09
4290522.63        1.20292
         642440.09    4290522.63        1.08347                    642480.09
4290522.63        0.98243
         642520.09    4290522.63        0.89579                    642560.09
4290522.63        0.82091
         642600.09    4290522.63        0.75569                    641920.09
4290562.63       12.83119
         641960.09    4290562.63        8.79275                    642000.09
4290562.63        6.44297
         642040.09    4290562.63        4.94881                    642080.09
4290562.63        3.93505
         642120.09    4290562.63        3.21370                    642160.09
4290562.63        2.68008
         642200.09    4290562.63        2.27626                    642240.09
4290562.63        1.96007
         642280.09    4290562.63        1.70831                    642320.09
4290562.63        1.50436
         642360.09    4290562.63        1.33662                    642400.09
4290562.63        1.19684
         642440.09    4290562.63        1.07901                    642480.09
4290562.63        0.97878
         642520.09    4290562.63        0.89269                    642560.09
4290562.63        0.81804
         642600.09    4290562.63        0.75279                    641920.09
4290602.63       12.33241
         641960.09    4290602.63        8.55612                    642000.09
4290602.63        6.31628
         642040.09    4290602.63        4.87422                    642080.09
4290602.63        3.88847
         642120.09    4290602.63        3.18327                    642160.09
4290602.63        2.66009
         642200.09    4290602.63        2.26256                    642240.09
4290602.63        1.95041
         642280.09    4290602.63        1.70131                    642320.09
4290602.63        1.49930
         642360.09    4290602.63        1.33296                    642400.09
4290602.63        1.19419
         642440.09    4290602.63        1.07714                    642480.09
4290602.63        0.97739
         642520.09    4290602.63        0.89164                    642560.09
4290602.63        0.81726
         642600.09    4290602.63        0.75182                    641920.09
4290642.63       11.35083
         641960.09    4290642.63        8.08750                    642000.09
4290642.63        6.07041
         642040.09    4290642.63        4.73600                    642080.09
4290642.63        3.80662
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUELING/ ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL13 , VOL14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
642200.09	4290642.63	2.24132	642240.09	4290642.63	1.93605
642280.09	4290642.63	1.69155	642320.09	4290642.63	1.49256
642360.09	4290642.63	1.32827	642400.09	4290642.63	1.19093
642440.09	4290642.63	1.07487	642480.09	4290642.63	0.97584
642520.09	4290642.63	0.89056	642560.09	4290642.63	0.81654
642600.09	4290642.63	0.75154	641920.09	4290682.63	10.05120
641960.09	4290682.63	7.37620	642000.09	4290682.63	5.66035
642040.09	4290682.63	4.48946	642080.09	4290682.63	3.65268
642120.09	4290682.63	3.03331	642160.09	4290682.63	2.56258
642200.09	4290682.63	2.19702	642240.09	4290682.63	1.90538
642280.09	4290682.63	1.67005	642320.09	4290682.63	1.47730
642360.09	4290682.63	1.31736	642400.09	4290682.63	1.18307

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        642440.09    4290682.63        1.06917                    642480.09
4290682.63        0.97169
        642520.09    4290682.63        0.88757                    642560.09
4290682.63        0.81439
        642600.09    4290682.63        0.75011                    641920.09
4290722.63        8.84673
        641960.09    4290722.63        6.64125                    642000.09
4290722.63        5.18693
        642040.09    4290722.63        4.17636                    642080.09
4290722.63        3.44202
        642120.09    4290722.63        2.88911                    642160.09
4290722.63        2.46261
        642200.09    4290722.63        2.12631                    642240.09
4290722.63        1.85468
        642280.09    4290722.63        1.63313                    642320.09
4290722.63        1.45012
        642360.09    4290722.63        1.29713                    642400.09
4290722.63        1.16789
        642440.09    4290722.63        1.05773                    642480.09
4290722.63        0.96302
        642520.09    4290722.63        0.88095                    642560.09
4290722.63        0.80934
        642600.09    4290722.63        0.74632                    641920.09
4290762.63        7.81873
        641960.09    4290762.63        5.98912                    642000.09
4290762.63        4.74411
        642040.09    4290762.63        3.86146                    642080.09
4290762.63        3.21318
        642120.09    4290762.63        2.72174                    642160.09
4290762.63        2.33957
        642200.09    4290762.63        2.03496                    642240.09
4290762.63        1.78656
        642280.09    4290762.63        1.58189                    642320.09
4290762.63        1.41122
        642360.09    4290762.63        1.26733                    642400.09
4290762.63        1.14489
        642440.09    4290762.63        1.03983                    642480.09
4290762.63        0.94897
        642520.09    4290762.63        0.86990                    642560.09
4290762.63        0.80061
        642600.09    4290762.63        0.73947                    641920.09
4290802.63        6.93646
        641960.09    4290802.63        5.41600                    642000.09
4290802.63        4.35179
        642040.09    4290802.63        3.57733                    642080.09
4290802.63        2.99850
        642120.09    4290802.63        2.55561                    642160.09
4290802.63        2.21014
        642200.09    4290802.63        1.93381                    642240.09
4290802.63        1.70774
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         642280.09    4290802.63        1.52036                       642320.09
4290802.63        1.36303
         642360.09    4290802.63        1.22939                       642400.09
4290802.63        1.11486
         642440.09    4290802.63        1.01591                       642480.09
4290802.63        0.92984
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUELING/ ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         642520.09    4290802.63        0.85452                       642560.09
4290802.63        0.78818
         642600.09    4290802.63        0.72940                       641920.09
4290842.63        6.18325
         641960.09    4290842.63        4.91382                       642000.09
4290842.63        4.00117
         642040.09    4290842.63        3.32452                       642080.09
4290842.63        2.80718
         642120.09    4290842.63        2.40414                       642160.09
4290842.63        2.08801
         642200.09    4290842.63        1.83415                       642240.09
4290842.63        1.62644
         642280.09    4290842.63        1.45424                       642320.09
4290842.63        1.30933
         642360.09    4290842.63        1.18584                       642400.09
4290842.63        1.07950
         642440.09    4290842.63        0.98715                       642480.09
4290842.63        0.90637
         642520.09    4290842.63        0.83528                       642560.09
4290842.63        0.77234
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         642600.09    4290842.63        0.71640                      641920.09
4290882.63        5.52719
         641960.09    4290882.63        4.46559                      642000.09
4290882.63        3.68398
         642040.09    4290882.63        3.09329                      642080.09
4290882.63        2.63478
         642120.09    4290882.63        2.27201                      642160.09
4290882.63        1.97851
         642200.09    4290882.63        1.74274                      642240.09
4290882.63        1.54947
         642280.09    4290882.63        1.38925                      642320.09
4290882.63        1.25459
         642360.09    4290882.63        1.13991                      642400.09
4290882.63        1.04112
         642440.09    4290882.63        0.95514                      642480.09
4290882.63        0.87967
         642520.09    4290882.63        0.81300                      642560.09
4290882.63        0.75374
         642600.09    4290882.63        0.70081                      641450.64
4290754.44        5.66449
         641490.64    4290754.44        7.55161                      641530.64
4290754.44       10.59214
         641570.64    4290754.44       15.54834                      641610.64
4290754.44       23.22206
         641650.64    4290754.44       32.77978                      641450.64
4290794.44        5.85092
         641490.64    4290794.44        7.79419                      641530.64
4290794.44       10.73091
         641570.64    4290794.44       14.98939                      641610.64
4290794.44       20.39041
         641650.64    4290794.44       25.62197                      641450.64
4290834.44        5.99165
         641490.64    4290834.44        7.87150                      641530.64
4290834.44       10.47863
         641570.64    4290834.44       13.79444                      641610.64
4290834.44       17.35539
         641650.64    4290834.44       20.17567

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SPILL    ***
                                  INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
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VOL12 , VOL15 , VOL17 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641284.31	4290506.68	2.24887	641324.31	4290506.68	2.62615
641364.31	4290506.68	3.11376	641404.31	4290506.68	3.75744
641284.31	4290546.68	2.30269	641324.31	4290546.68	2.69980
641364.31	4290546.68	3.22046	641404.31	4290546.68	3.91790
641284.31	4290586.68	2.33928	641324.31	4290586.68	2.74864
641364.31	4290586.68	3.28594	641404.31	4290586.68	4.00821
641284.31	4290626.68	2.36987	641324.31	4290626.68	2.78263
641364.31	4290626.68	3.32778	641404.31	4290626.68	4.05774
641284.31	4290666.68	2.39596	641324.31	4290666.68	2.81501
641364.31	4290666.68	3.37189	641404.31	4290666.68	4.11052
641284.31	4290706.68	2.41563	641324.31	4290706.68	2.84130
641364.31	4290706.68	3.40921	641404.31	4290706.68	4.17204
641284.31	4290746.68	2.43528	641324.31	4290746.68	2.86816
641364.31	4290746.68	3.45213	641404.31	4290746.68	4.25350
641284.31	4290786.68	2.46181	641324.31	4290786.68	2.90960
641364.31	4290786.68	3.51655	641404.31	4290786.68	4.36265
641284.31	4290826.68	2.50011	641324.31	4290826.68	2.96880
641364.31	4290826.68	3.59923	641404.31	4290826.68	4.48191
641284.31	4290866.68	2.54817	641324.31	4290866.68	3.03603

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         641364.31    4290866.68        3.68715                        641404.31
4290866.68        4.58414
         641268.28    4290889.76        2.41318                        641308.28
4290889.76        2.85972
         641348.28    4290889.76        3.44498                        641388.28
4290889.76        4.23368
         641428.28    4290889.76        5.29918                        641468.28
4290889.76        6.71314
         641508.28    4290889.76        8.50921                        641548.28
4290889.76       10.58800
         641588.28    4290889.76       12.66110                        641628.28
4290889.76       14.29707
         642188.28    4290889.76        1.79156                        642228.28
4290889.76        1.58900
         642268.28    4290889.76        1.42185                        642308.28
4290889.76        1.28191
         642348.28    4290889.76        1.16327                        642388.28
4290889.76        1.06146
         642428.28    4290889.76        0.97313                        641268.28
4290929.76        2.46002
         641308.28    4290929.76        2.91610                        641348.28
4290929.76        3.50607
         641388.28    4290929.76        4.28051                        641428.28
4290929.76        5.28453
         641468.28    4290929.76        6.53805                        641508.28
4290929.76        8.00344
         641548.28    4290929.76        9.53881                        641588.28
4290929.76       10.91140
         641628.28    4290929.76       11.86802                        642188.28
4290929.76        1.70506
         642228.28    4290929.76        1.51570                        642268.28
4290929.76        1.35907
         642308.28    4290929.76        1.22746                        642348.28
4290929.76        1.11586
         642388.28    4290929.76        1.02039                        642428.28
4290929.76        0.93786
         641268.28    4290969.76        2.50270                        641308.28
4290969.76        2.96024
         641348.28    4290969.76        3.54223                        641388.28
4290969.76        4.28044
         641428.28    4290969.76        5.19114                        641468.28
4290969.76        6.25679
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SPILL    ***
                                  INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF TOG      IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         641508.28    4290969.76        7.40735                       641548.28
4290969.76        8.51132
         641588.28    4290969.76        9.40958                       641628.28
4290969.76        9.96399
         641668.28    4290969.76       10.08546                       641708.28
4290969.76        9.73205
         641748.28    4290969.76        8.94013                       641788.28
4290969.76        7.86025
         641828.28    4290969.76        6.69290                       641868.28
4290969.76        5.59229
         641908.28    4290969.76        4.63892                       641948.28
4290969.76        3.86069
         642188.28    4290969.76        1.62506                       642228.28
4290969.76        1.44957
         642268.28    4290969.76        1.30314                       642308.28
4290969.76        1.17897
         642348.28    4290969.76        1.07285                       642388.28
4290969.76        0.98186
         642428.28    4290969.76        0.90360                       641268.28
4291009.76        2.53630
         641308.28    4291009.76        2.98764                       641348.28
4291009.76        3.54851
         641388.28    4291009.76        4.23055                       641428.28
4291009.76        5.02792
         641468.28    4291009.76        5.90318                       641508.28
4291009.76        6.78207
         641548.28    4291009.76        7.56265                       641588.28
4291009.76        8.14650
         641628.28    4291009.76        8.46218                       641668.28
4291009.76        8.46650
         641708.28    4291009.76        8.14053                       641748.28
4291009.76        7.51531
         641788.28    4291009.76        6.69239                       641828.28
4291009.76        5.79822
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         641868.28    4291009.76        4.93970                      641908.28
4291009.76        4.17244
         641948.28    4291009.76        3.52449                      642188.28
4291009.76        1.55039
         642228.28    4291009.76        1.38917                      642268.28
4291009.76        1.25240
         642308.28    4291009.76        1.13516                      642348.28
4291009.76        1.03422
         642388.28    4291009.76        0.94745                      642428.28
4291009.76        0.87257
         641268.28    4291049.76        2.55727                      641308.28
4291049.76        2.99367
         641348.28    4291049.76        3.52078                      641388.28
4291049.76        4.13376
         641428.28    4291049.76        4.81054                      641468.28
4291049.76        5.51060
         641508.28    4291049.76        6.16905                      641548.28
4291049.76        6.71546
         641588.28    4291049.76        7.09281                      641628.28
4291049.76        7.26509
         641668.28    4291049.76        7.21007                      641708.28
4291049.76        6.91836
         641748.28    4291049.76        6.41515                      641788.28
4291049.76        5.77165
         641828.28    4291049.76        5.07205                      641868.28
4291049.76        4.39238
         641908.28    4291049.76        3.76931                      641948.28
4291049.76        3.22758
         642188.28    4291049.76        1.47748                      642228.28
4291049.76        1.33067
         642268.28    4291049.76        1.20386                      642308.28
4291049.76        1.09421
         642348.28    4291049.76        0.99893                      642388.28
4291049.76        0.91637
         642428.28    4291049.76        0.84469                      641268.28
4291089.76        2.56385
         641308.28    4291089.76        2.97769                      641348.28
4291089.76        3.46067
         641388.28    4291089.76        3.99682                      641428.28
4291089.76        4.55666
         641468.28    4291089.76        5.10561                      641508.28
4291089.76        5.59317
         641548.28    4291089.76        5.97314                      641588.28
4291089.76        6.21493
         641628.28    4291089.76        6.30033                      641668.28
4291089.76        6.21641
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SPILL   ***
INCLUDING SOURCE(S):   VOL7   , VOL8   , VOL9   , VOL10   , VOL11   ,
VOL12   , VOL15   , VOL17   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641708.28	4291089.76	5.95846	641748.28	4291089.76	5.54686
641788.28	4291089.76	5.03314	641828.28	4291089.76	4.47610
641868.28	4291089.76	3.92939	641908.28	4291089.76	3.41884
641948.28	4291089.76	2.96415	641988.28	4291089.76	2.57404
642028.28	4291089.76	2.24523	642068.28	4291089.76	1.97392
642108.28	4291089.76	1.75275	642148.28	4291089.76	1.56438
641268.28	4291129.76	2.55448	641308.28	4291129.76	2.93890
641348.28	4291129.76	3.37134	641388.28	4291129.76	3.82970
641428.28	4291129.76	4.28362	641468.28	4291129.76	4.70726
641508.28	4291129.76	5.06511	641548.28	4291129.76	5.32842
641588.28	4291129.76	5.48092	641628.28	4291129.76	5.51307
641668.28	4291129.76	5.41680	641708.28	4291129.76	5.18973
641748.28	4291129.76	4.84829	641788.28	4291129.76	4.43084
641828.28	4291129.76	3.98042	641868.28	4291129.76	3.53493
641908.28	4291129.76	3.11285	641948.28	4291129.76	2.72922

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        641988.28    4291129.76        2.39129                    642028.28
4291129.76        2.10210
        642068.28    4291129.76        1.85920                    642108.28
4291129.76        1.65620
        642148.28    4291129.76        1.48530                    641374.56
4290226.75        1.99745
        641414.56    4290226.75        2.23344                    641454.56
4290226.75        2.49680
        641494.56    4290226.75        2.78458                    641534.56
4290226.75        3.09444
        641574.56    4290226.75        3.42974                    641614.56
4290226.75        3.79303
        641654.56    4290226.75        4.18345                    641694.56
4290226.75        4.57345
        641734.56    4290226.75        4.95948                    641774.56
4290226.75        5.43209
        641814.56    4290226.75        6.05768                    641854.56
4290226.75        6.69729
        641894.56    4290226.75        7.01780                    641934.56
4290226.75        6.81656
        641974.56    4290226.75        6.21273                    642014.56
4290226.75        5.44943
        642054.56    4290226.75        4.69249                    642094.56
4290226.75        4.01284
        642134.56    4290226.75        3.43130                    642174.56
4290226.75        2.94366
        642214.56    4290226.75        2.53600                    642254.56
4290226.75        2.19836
        642294.56    4290226.75        1.91933                    642334.56
4290226.75        1.68691
        642374.56    4290226.75        1.49084                    642414.56
4290226.75        1.32599
        642454.56    4290226.75        1.18734                    642494.56
4290226.75        1.06954
        642534.56    4290226.75        0.96894                    642574.56
4290226.75        0.88233
        642614.56    4290226.75        0.80836                    641374.56
4290266.75        2.16744
        641414.56    4290266.75        2.45673                    641454.56
4290266.75        2.78733
        641494.56    4290266.75        3.15900                    641534.56
4290266.75        3.57206
        641574.56    4290266.75        4.03010                    641614.56
4290266.75        4.53839
        641654.56    4290266.75        5.08726                    641694.56
4290266.75        5.63623
        641734.56    4290266.75        6.19750                    641774.56
4290266.75        6.89832
        641814.56    4290266.75        7.80688                    641854.56
4290266.75        8.58621
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SPILL ***
INCLUDING SOURCE(S): VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL15 , VOL17 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641894.56	4290266.75	8.69338	641934.56	4290266.75	8.04641
641974.56	4290266.75	7.01162	642014.56	4290266.75	5.93367
642054.56	4290266.75	4.96917	642094.56	4290266.75	4.16125
642134.56	4290266.75	3.50159	642174.56	4290266.75	2.96604
642214.56	4290266.75	2.53039	642254.56	4290266.75	2.17621
642294.56	4290266.75	1.88970	642334.56	4290266.75	1.65513
642374.56	4290266.75	1.46020	642414.56	4290266.75	1.29804
642454.56	4290266.75	1.16329	642494.56	4290266.75	1.04932
642534.56	4290266.75	0.95213	642574.56	4290266.75	0.86801
642614.56	4290266.75	0.79593	641374.56	4290306.75	2.34261
641414.56	4290306.75	2.69305	641454.56	4290306.75	3.10629
641494.56	4290306.75	3.59280	641534.56	4290306.75	4.15811
641574.56	4290306.75	4.80315	641614.56	4290306.75	5.51733

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         641654.56    4290306.75        6.30647                    641694.56
4290306.75        7.13858
         641734.56    4290306.75        7.99779                    641774.56
4290306.75        9.07311
         641814.56    4290306.75       10.42154                    641854.56
4290306.75       11.23762
         641894.56    4290306.75       10.77216                    641934.56
4290306.75        9.38371
         641974.56    4290306.75        7.78286                    642014.56
4290306.75        6.34577
         642054.56    4290306.75        5.16849                    642094.56
4290306.75        4.24300
         642134.56    4290306.75        3.51548                    642174.56
4290306.75        2.94411
         642214.56    4290306.75        2.49312                    642254.56
4290306.75        2.13462
         642294.56    4290306.75        1.84846                    642334.56
4290306.75        1.61742
         642374.56    4290306.75        1.42671                    642414.56
4290306.75        1.26973
         642454.56    4290306.75        1.13990                    642494.56
4290306.75        1.03002
         642534.56    4290306.75        0.93602                    642574.56
4290306.75        0.85454
         642614.56    4290306.75        0.77783                    641374.56
4290346.75        2.52166
         641414.56    4290346.75        2.93638                    641454.56
4290346.75        3.45177
         641494.56    4290346.75        4.08768                    641534.56
4290346.75        4.85733
         641574.56    4290346.75        5.76696                    641614.56
4290346.75        6.82417
         641654.56    4290346.75        8.03825                    641694.56
4290346.75        9.36737
         641734.56    4290346.75       10.75745                    641774.56
4290346.75       12.54691
         641814.56    4290346.75       14.54866                    641854.56
4290346.75       14.93706
         641894.56    4290346.75       13.19741                    641934.56
4290346.75       10.69808
         641974.56    4290346.75        8.43398                    642014.56
4290346.75        6.63307
         642054.56    4290346.75        5.26330                    642094.56
4290346.75        4.23992
         642134.56    4290346.75        3.46610                    642174.56
4290346.75        2.88153
         642214.56    4290346.75        2.43143                    642254.56
4290346.75        2.08101
         642294.56    4290346.75        1.80318                    642334.56
4290346.75        1.57937
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         642374.56    4290346.75        1.39591                       642414.56
4290346.75        1.24438
         642454.56    4290346.75        1.11849                       642494.56
4290346.75        1.01185
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SPILL    ***
                                  INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642534.56    4290346.75        0.92041                       642574.56
4290346.75        0.84102
         642614.56    4290346.75        0.75743                       641374.56
4290386.75        2.70607
         641414.56    4290386.75        3.18582                       641454.56
4290386.75        3.80582
         641494.56    4290386.75        4.60813                       641534.56
4290386.75        5.65119
         641574.56    4290386.75        6.98551                       641614.56
4290386.75        8.63095
         641654.56    4290386.75       10.60296                       641694.56
4290386.75       12.87854
         641734.56    4290386.75       15.34400                       641774.56
4290386.75       18.59391
         641814.56    4290386.75       21.34621                       641854.56
4290386.75       19.90721
         641894.56    4290386.75       15.76425                       641934.56
4290386.75       11.81022
         641974.56    4290386.75        8.83262                       642014.56
4290386.75        6.71828
         642054.56    4290386.75        5.22119                       642094.56
4290386.75        4.15227
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642134.56 4290386.75 3.37254 642174.56
4290386.75 2.79945
642214.56 4290386.75 2.36416 642254.56
4290386.75 2.02687
642294.56 4290386.75 1.75947 642334.56
4290386.75 1.54340
642374.56 4290386.75 1.36662 642414.56
4290386.75 1.21963
642454.56 4290386.75 1.09772 642494.56
4290386.75 0.99410
642534.56 4290386.75 0.90513 642574.56
4290386.75 0.82776
642614.56 4290386.75 0.76046 641374.56
4290426.75 2.89903
641414.56 4290426.75 3.44669 641454.56
4290426.75 4.17059
641494.56 4290426.75 5.14890 641534.56
4290426.75 6.52864
641574.56 4290426.75 8.45545 641614.56
4290426.75 11.09154
641654.56 4290426.75 14.55359 641694.56
4290426.75 18.85515
641734.56 4290426.75 23.94044 641774.56
4290426.75 30.57199
641814.56 4290426.75 32.81344 641854.56
4290426.75 25.94384
641894.56 4290426.75 18.05290 641934.56
4290426.75 12.46423
641974.56 4290426.75 8.87965 642014.56
4290426.75 6.58322
642054.56 4290426.75 5.06213 642094.56
4290426.75 4.01461
642134.56 4290426.75 3.26627 642174.56
4290426.75 2.71683
642214.56 4290426.75 2.29967 642254.56
4290426.75 1.97511
642294.56 4290426.75 1.71829 642334.56
4290426.75 1.51013
642374.56 4290426.75 1.33921 642414.56
4290426.75 1.19676
642454.56 4290426.75 1.07785 642494.56
4290426.75 0.97713
642534.56 4290426.75 0.89077 642574.56
4290426.75 0.81541
642614.56 4290426.75 0.75018 641374.56
4290466.75 3.09250
641414.56 4290466.75 3.71177 641454.56
4290466.75 4.54804
641494.56 4290466.75 5.71677 641534.56
4290466.75 7.44657

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         641574.56    4290466.75       10.08507                       641614.56
4290466.75       14.24858
         641654.56    4290466.75       20.67964                       641694.56
4290466.75       30.22899
         641734.56    4290466.75       43.12560                       641774.56
4290466.75       58.83973
         641814.56    4290466.75       51.21839                       641854.56
4290466.75       31.69113
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SPILL    ***
                                  INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                 VOL12       , VOL15       , VOL17       ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         641894.56    4290466.75       19.21263                       641934.56
4290466.75       12.38232
         641974.56    4290466.75        8.58402                       642014.56
4290466.75        6.31457
         642054.56    4290466.75        4.86286                       642094.56
4290466.75        3.87364
         642134.56    4290466.75        3.16499                       642174.56
4290466.75        2.64011
         642214.56    4290466.75        2.23995                       642254.56
4290466.75        1.92780
         642294.56    4290466.75        1.68112                       642334.56
4290466.75        1.48055
         642374.56    4290466.75        1.31506                       642414.56
4290466.75        1.17691
         642454.56    4290466.75        1.06050                       642494.56
4290466.75        0.96225
         642534.56    4290466.75        0.87824                       642574.56
4290466.75        0.80519
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         642614.56    4290466.75        0.74183                    641920.09
4290522.63       13.38040
         641960.09    4290522.63        9.07679                    642000.09
4290522.63        6.60877
         642040.09    4290522.63        5.05609                    642080.09
4290522.63        4.00938
         642120.09    4290522.63        3.26450                    642160.09
4290522.63        2.71630
         642200.09    4290522.63        2.30114                    642240.09
4290522.63        1.97819
         642280.09    4290522.63        1.72202                    642320.09
4290522.63        1.51501
         642360.09    4290522.63        1.34473                    642400.09
4290522.63        1.20299
         642440.09    4290522.63        1.08352                    642480.09
4290522.63        0.98247
         642520.09    4290522.63        0.89583                    642560.09
4290522.63        0.82095
         642600.09    4290522.63        0.75572                    641920.09
4290562.63       12.83358
         641960.09    4290562.63        8.79413                    642000.09
4290562.63        6.44384
         642040.09    4290562.63        4.94941                    642080.09
4290562.63        3.93547
         642120.09    4290562.63        3.21401                    642160.09
4290562.63        2.68032
         642200.09    4290562.63        2.27644                    642240.09
4290562.63        1.96022
         642280.09    4290562.63        1.70843                    642320.09
4290562.63        1.50446
         642360.09    4290562.63        1.33670                    642400.09
4290562.63        1.19691
         642440.09    4290562.63        1.07907                    642480.09
4290562.63        0.97883
         642520.09    4290562.63        0.89273                    642560.09
4290562.63        0.81808
         642600.09    4290562.63        0.75283                    641920.09
4290602.63       12.33430
         641960.09    4290602.63        8.55732                    642000.09
4290602.63        6.31709
         642040.09    4290602.63        4.87478                    642080.09
4290602.63        3.88889
         642120.09    4290602.63        3.18358                    642160.09
4290602.63        2.66033
         642200.09    4290602.63        2.26274                    642240.09
4290602.63        1.95056
         642280.09    4290602.63        1.70144                    642320.09
4290602.63        1.49940
         642360.09    4290602.63        1.33304                    642400.09
4290602.63        1.19426
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         642440.09    4290602.63        1.07720                       642480.09
4290602.63        0.97745
         642520.09    4290602.63        0.89168                       642560.09
4290602.63        0.81730
         642600.09    4290602.63        0.75186                       641920.09
4290642.63       11.35148
         641960.09    4290642.63        8.08807                       642000.09
4290642.63        6.07088
         642040.09    4290642.63        4.73637                       642080.09
4290642.63        3.80692
         642120.09    4290642.63        3.13270                       642160.09
4290642.63        2.62811
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SPILL    ***
                                  INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642200.09    4290642.63        2.24148                       642240.09
4290642.63        1.93618
         642280.09    4290642.63        1.69166                       642320.09
4290642.63        1.49265
         642360.09    4290642.63        1.32835                       642400.09
4290642.63        1.19100
         642440.09    4290642.63        1.07493                       642480.09
4290642.63        0.97589
         642520.09    4290642.63        0.89061                       642560.09
4290642.63        0.81658
         642600.09    4290642.63        0.75157                       641920.09
4290682.63       10.05128
         641960.09    4290682.63        7.37633                       642000.09
4290682.63        5.66051
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         642040.09    4290682.63        4.48963                    642080.09
4290682.63        3.65284
         642120.09    4290682.63        3.03345                    642160.09
4290682.63        2.56271
         642200.09    4290682.63        2.19714                    642240.09
4290682.63        1.90548
         642280.09    4290682.63        1.67014                    642320.09
4290682.63        1.47738
         642360.09    4290682.63        1.31743                    642400.09
4290682.63        1.18313
         642440.09    4290682.63        1.06922                    642480.09
4290682.63        0.97174
         642520.09    4290682.63        0.88761                    642560.09
4290682.63        0.81443
         642600.09    4290682.63        0.75014                    641920.09
4290722.63        8.84672
         641960.09    4290722.63        6.64127                    642000.09
4290722.63        5.18697
         642040.09    4290722.63        4.17641                    642080.09
4290722.63        3.44207
         642120.09    4290722.63        2.88918                    642160.09
4290722.63        2.46267
         642200.09    4290722.63        2.12637                    642240.09
4290722.63        1.85474
         642280.09    4290722.63        1.63319                    642320.09
4290722.63        1.45018
         642360.09    4290722.63        1.29718                    642400.09
4290722.63        1.16794
         642440.09    4290722.63        1.05777                    642480.09
4290722.63        0.96305
         642520.09    4290722.63        0.88098                    642560.09
4290722.63        0.80937
         642600.09    4290722.63        0.74635                    641920.09
4290762.63        7.81866
         641960.09    4290762.63        5.98912                    642000.09
4290762.63        4.74412
         642040.09    4290762.63        3.86148                    642080.09
4290762.63        3.21319
         642120.09    4290762.63        2.72176                    642160.09
4290762.63        2.33959
         642200.09    4290762.63        2.03498                    642240.09
4290762.63        1.78659
         642280.09    4290762.63        1.58192                    642320.09
4290762.63        1.41125
         642360.09    4290762.63        1.26736                    642400.09
4290762.63        1.14492
         642440.09    4290762.63        1.03986                    642480.09
4290762.63        0.94900
         642520.09    4290762.63        0.86993                    642560.09
4290762.63        0.80064
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SPILL ***
INCLUDING SOURCE(S): VOL7 , VOL8 , VOL9 , VOL10 , VOL11 ,
VOL12 , VOL15 , VOL17 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
642520.09	4290802.63	0.85453	642560.09	4290802.63	0.78820
642600.09	4290802.63	0.72942	641920.09	4290842.63	6.18313
641960.09	4290842.63	4.91377	642000.09	4290842.63	4.00115
642040.09	4290842.63	3.32453	642080.09	4290842.63	2.80719
642120.09	4290842.63	2.40415	642160.09	4290842.63	2.08802

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         642200.09    4290842.63        1.83415                      642240.09
4290842.63        1.62644
         642280.09    4290842.63        1.45424                      642320.09
4290842.63        1.30933
         642360.09    4290842.63        1.18584                      642400.09
4290842.63        1.07951
         642440.09    4290842.63        0.98716                      642480.09
4290842.63        0.90638
         642520.09    4290842.63        0.83530                      642560.09
4290842.63        0.77235
         642600.09    4290842.63        0.71641                      641920.09
4290882.63        5.52706
         641960.09    4290882.63        4.46553                      642000.09
4290882.63        3.68395
         642040.09    4290882.63        3.09328                      642080.09
4290882.63        2.63478
         642120.09    4290882.63        2.27202                      642160.09
4290882.63        1.97852
         642200.09    4290882.63        1.74275                      642240.09
4290882.63        1.54947
         642280.09    4290882.63        1.38925                      642320.09
4290882.63        1.25459
         642360.09    4290882.63        1.13991                      642400.09
4290882.63        1.04112
         642440.09    4290882.63        0.95514                      642480.09
4290882.63        0.87968
         642520.09    4290882.63        0.81301                      642560.09
4290882.63        0.75375
         642600.09    4290882.63        0.70081                      641450.64
4290754.44        5.66375
         641490.64    4290754.44        7.55045                      641530.64
4290754.44       10.59006
         641570.64    4290754.44       15.54421                      641610.64
4290754.44       23.21355
         641650.64    4290754.44       32.76409                      641450.64
4290794.44        5.85015
         641490.64    4290794.44        7.79291                      641530.64
4290794.44       10.72863
         641570.64    4290794.44       14.98518                      641610.64
4290794.44       20.38307
         641650.64    4290794.44       25.61105                      641450.64
4290834.44        5.99081
         641490.64    4290834.44        7.87011                      641530.64
4290834.44       10.47628
         641570.64    4290834.44       13.79055                      641610.64
4290834.44       17.34952
         641650.64    4290834.44       20.16811

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
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*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADING ***
INCLUDING SOURCE(S):   STCK1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641284.31	4290506.68	2.28914	641324.31	4290506.68	2.67219
641364.31	4290506.68	3.16658	641404.31	4290506.68	3.81615
641284.31	4290546.68	2.37419	641324.31	4290546.68	2.78725
641364.31	4290546.68	3.33085	641404.31	4290546.68	4.06080
641284.31	4290586.68	2.44038	641324.31	4290586.68	2.87714
641364.31	4290586.68	3.45440	641404.31	4290586.68	4.23507
641284.31	4290626.68	2.49133	641324.31	4290626.68	2.93740
641364.31	4290626.68	3.53272	641404.31	4290626.68	4.33498
641284.31	4290666.68	2.53180	641324.31	4290666.68	2.98996
641364.31	4290666.68	3.60758	641404.31	4290666.68	4.42784
641284.31	4290706.68	2.56649	641324.31	4290706.68	3.03692
641364.31	4290706.68	3.67397	641404.31	4290706.68	4.52911
641284.31	4290746.68	2.60298	641324.31	4290746.68	3.08236
641364.31	4290746.68	3.73756	641404.31	4290746.68	4.63986
641284.31	4290786.68	2.64338	641324.31	4290786.68	3.13751

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         641364.31    4290786.68        3.81428                    641404.31
4290786.68        4.76820
         641284.31    4290826.68        2.69080                    641324.31
4290826.68        3.20671
         641364.31    4290826.68        3.90636                    641404.31
4290826.68        4.90472
         641284.31    4290866.68        2.74392                    641324.31
4290866.68        3.28208
         641364.31    4290866.68        4.00655                    641404.31
4290866.68        5.02308
         641268.28    4290889.76        2.59465                    641308.28
4290889.76        3.08807
         641348.28    4290889.76        3.73698                    641388.28
4290889.76        4.62282
         641428.28    4290889.76        5.83259                    641468.28
4290889.76        7.45425
         641508.28    4290889.76        9.56410                    641548.28
4290889.76       12.10557
         641588.28    4290889.76       14.78987                    641628.28
4290889.76       17.04372
         642188.28    4290889.76        1.81410                    642228.28
4290889.76        1.60832
         642268.28    4290889.76        1.43746                    642308.28
4290889.76        1.29357
         642348.28    4290889.76        1.17114                    642388.28
4290889.76        1.06597
         642428.28    4290889.76        0.97484                    641268.28
4290929.76        2.64585
         641308.28    4290929.76        3.15136                    641348.28
4290929.76        3.80527
         641388.28    4290929.76        4.66994                    641428.28
4290929.76        5.79894
         641468.28    4290929.76        7.22320                    641508.28
4290929.76        8.93237
         641548.28    4290929.76       10.80265                    641588.28
4290929.76       12.57157
         641628.28    4290929.76       13.87408                    642188.28
4290929.76        1.72638
         642228.28    4290929.76        1.53536                    642268.28
4290929.76        1.37694
         642308.28    4290929.76        1.24301                    642348.28
4290929.76        1.12868
         642388.28    4290929.76        1.03034                    642428.28
4290929.76        0.94505
         641268.28    4290969.76        2.69306                    641308.28
4290969.76        3.19864
         641348.28    4290969.76        3.84004                    641388.28
4290969.76        4.65507
         641428.28    4290969.76        5.66695                    641468.28
4290969.76        6.86794
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADING ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641508.28	4290969.76	8.20550	641548.28	4290969.76	9.55044
641588.28	4290969.76	10.70898	641628.28	4290969.76	11.45991
641668.28	4290969.76	11.62213	641708.28	4290969.76	11.11782
641748.28	4290969.76	10.03510	641788.28	4290969.76	8.62011
641828.28	4290969.76	7.16553	641868.28	4290969.76	5.87668
641908.28	4290969.76	4.81810	641948.28	4290969.76	3.98329
642188.28	4290969.76	1.64462	642228.28	4290969.76	1.46740
642268.28	4290969.76	1.32010	642308.28	4290969.76	1.19495
642348.28	4290969.76	1.08742	642388.28	4290969.76	0.99460
642428.28	4290969.76	0.91426	641268.28	4291009.76	2.72858
641308.28	4291009.76	3.22289	641348.28	4291009.76	3.83519
641388.28	4291009.76	4.57805	641428.28	4291009.76	5.45476
641468.28	4291009.76	6.43710	641508.28	4291009.76	7.46047
641548.28	4291009.76	8.41614	641588.28	4291009.76	9.17186

641628.28 4291009.76 9.59993 641668.28
4291009.76 9.60751
641708.28 4291009.76 9.16730 641748.28
4291009.76 8.34683
641788.28 4291009.76 7.29983 641828.28
4291009.76 6.20016
641868.28 4291009.76 5.19300 641908.28
4291009.76 4.33631
641948.28 4291009.76 3.63912 642188.28
4291009.76 1.56955
642228.28 4291009.76 1.40547 642268.28
4291009.76 1.26752
642308.28 4291009.76 1.14974 642348.28
4291009.76 1.04828
642388.28 4291009.76 0.96069 642428.28
4291009.76 0.88463
641268.28 4291049.76 2.74627 641308.28
4291049.76 3.21799
641348.28 4291049.76 3.78600 641388.28
4291049.76 4.44751
641428.28 4291049.76 5.18650 641468.28
4291049.76 5.97290
641508.28 4291049.76 6.74438 641548.28
4291049.76 7.41909
641588.28 4291049.76 7.91107 641628.28
4291049.76 8.14689
641668.28 4291049.76 8.07904 641708.28
4291049.76 7.70103
641748.28 4291049.76 7.06249 641788.28
4291049.76 6.26346
641828.28 4291049.76 5.41488 641868.28
4291049.76 4.61910
641908.28 4291049.76 3.92011 641948.28
4291049.76 3.33465
642188.28 4291049.76 1.49753 642228.28
4291049.76 1.34657
642268.28 4291049.76 1.21760 642308.28
4291049.76 1.10706
642348.28 4291049.76 1.01146 642388.28
4291049.76 0.92867
642428.28 4291049.76 0.85655 641268.28
4291089.76 2.74415
641308.28 4291089.76 3.18526 641348.28
4291089.76 3.69961
641388.28 4291089.76 4.27442 641428.28
4291089.76 4.88513
641468.28 4291089.76 5.50531 641508.28
4291089.76 6.08236
641548.28 4291089.76 6.55680 641588.28
4291089.76 6.87518

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         641628.28    4291089.76        6.99534                      641668.28
4291089.76        6.89268
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LOADING  ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         641708.28    4291089.76        6.56909                      641748.28
4291089.76        6.06137
         641788.28    4291089.76        5.43709                      641828.28
4291089.76        4.77022
         641868.28    4291089.76        4.13223                      641908.28
4291089.76        3.55748
         641948.28    4291089.76        3.06388                      641988.28
4291089.76        2.65098
         642028.28    4291089.76        2.30662                      642068.28
4291089.76        2.02288
         642108.28    4291089.76        1.79137                      642148.28
4291089.76        1.59332
         641268.28    4291129.76        2.72137                      641308.28
4291129.76        3.12601
         641348.28    4291129.76        3.58287                      641388.28
4291129.76        4.07335
         641428.28    4291129.76        4.57051                      641468.28
4291129.76        5.05377
         641508.28    4291129.76        5.48275                      641548.28
4291129.76        5.81578
         641588.28    4291129.76        6.01926                      641628.28
4291129.76        6.06907
         641668.28    4291129.76        5.95295                      641708.28
4291129.76        5.67563
         641748.28    4291129.76        5.26449                      641788.28
4291129.76        4.76674
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641828.28 4291129.76 4.23410 641868.28
4291129.76 3.71645
641908.28 4291129.76 3.24024 641948.28
4291129.76 2.82192
641988.28 4291129.76 2.46320 642028.28
4291129.76 2.16064
642068.28 4291129.76 1.90738 642108.28
4291129.76 1.69516
642148.28 4291129.76 1.51587 641374.56
4290226.75 1.92020
641414.56 4290226.75 2.12362 641454.56
4290226.75 2.34657
641494.56 4290226.75 2.58635 641534.56
4290226.75 2.84231
641574.56 4290226.75 3.11474 641614.56
4290226.75 3.40041
641654.56 4290226.75 3.70073 641694.56
4290226.75 4.01404
641734.56 4290226.75 4.35305 641774.56
4290226.75 4.76360
641814.56 4290226.75 5.22719 641854.56
4290226.75 5.61167
641894.56 4290226.75 5.75285 641934.56
4290226.75 5.58543
641974.56 4290226.75 5.17900 642014.56
4290226.75 4.65363
642054.56 4290226.75 4.10564 642094.56
4290226.75 3.59010
642134.56 4290226.75 3.13130 642174.56
4290226.75 2.73289
642214.56 4290226.75 2.38913 642254.56
4290226.75 2.09680
642294.56 4290226.75 1.84992 642334.56
4290226.75 1.64037
642374.56 4290226.75 1.46042 642414.56
4290226.75 1.30668
642454.56 4290226.75 1.17547 642494.56
4290226.75 1.06247
642534.56 4290226.75 0.96484 642574.56
4290226.75 0.88000
642614.56 4290226.75 0.80701 641374.56
4290266.75 2.09724
641414.56 4290266.75 2.34911 641454.56
4290266.75 2.62794
641494.56 4290266.75 2.93458 641534.56
4290266.75 3.26980
641574.56 4290266.75 3.63613 641614.56
4290266.75 4.03153
641654.56 4290266.75 4.44416 641694.56
4290266.75 4.86504

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADING ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641894.56	4290266.75	6.94817	641934.56	4290266.75	6.51816
641974.56	4290266.75	5.83974	642014.56	4290266.75	5.09213
642054.56	4290266.75	4.38331	642094.56	4290266.75	3.76034
642134.56	4290266.75	3.23046	642174.56	4290266.75	2.78453
642214.56	4290266.75	2.41030	642254.56	4290266.75	2.09789
642294.56	4290266.75	1.83945	642334.56	4290266.75	1.62351
642374.56	4290266.75	1.44068	642414.56	4290266.75	1.28614
642454.56	4290266.75	1.15601	642494.56	4290266.75	1.04478
642534.56	4290266.75	0.94915	642574.56	4290266.75	0.86592
642614.56	4290266.75	0.79436	641374.56	4290306.75	2.28677
641414.56	4290306.75	2.59667	641454.56	4290306.75	2.94841
641494.56	4290306.75	3.34903	641534.56	4290306.75	3.80137

641574.56 4290306.75 4.30717 641614.56
4290306.75 4.85124
641654.56 4290306.75 5.42595 641694.56
4290306.75 6.03471
641734.56 4290306.75 6.72180 641774.56
4290306.75 7.55506
641814.56 4290306.75 8.38435 641854.56
4290306.75 8.75646
641894.56 4290306.75 8.41812 641934.56
4290306.75 7.55883
641974.56 4290306.75 6.50969 642014.56
4290306.75 5.49685
642054.56 4290306.75 4.61508 642094.56
4290306.75 3.88668
642134.56 4290306.75 3.28892 642174.56
4290306.75 2.80177
642214.56 4290306.75 2.40479 642254.56
4290306.75 2.08040
642294.56 4290306.75 1.81535 642334.56
4290306.75 1.59711
642374.56 4290306.75 1.41404 642414.56
4290306.75 1.26150
642454.56 4290306.75 1.13426 642494.56
4290306.75 1.02591
642534.56 4290306.75 0.93288 642574.56
4290306.75 0.85209
642614.56 4290306.75 0.76059 641374.56
4290346.75 2.48694
641414.56 4290346.75 2.86305 641454.56
4290346.75 3.31258
641494.56 4290346.75 3.84303 641534.56
4290346.75 4.45452
641574.56 4290346.75 5.14702 641614.56
4290346.75 5.92906
641654.56 4290346.75 6.79285 641694.56
4290346.75 7.70925
641734.56 4290346.75 8.74575 641774.56
4290346.75 10.01809
641814.56 4290346.75 11.09559 641854.56
4290346.75 11.16926
641894.56 4290346.75 10.15497 641934.56
4290346.75 8.63804
641974.56 4290346.75 7.13150 642014.56
4290346.75 5.83421
642054.56 4290346.75 4.78242 642094.56
4290346.75 3.95358
642134.56 4290346.75 3.29718 642174.56
4290346.75 2.78194
642214.56 4290346.75 2.37237 642254.56
4290346.75 2.04529

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         642294.56    4290346.75        1.78080                       642334.56
4290346.75        1.56465
         642374.56    4290346.75        1.38567                       642414.56
4290346.75        1.23688
         642454.56    4290346.75        1.11279                       642494.56
4290346.75        1.00744
↑ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LOADING  ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642534.56    4290346.75        0.91703                       642574.56
4290346.75        0.83849
         642614.56    4290346.75        0.74052                       641374.56
4290386.75        2.69188
         641414.56    4290386.75        3.14389                       641454.56
4290386.75        3.70633
         641494.56    4290386.75        4.39302                       641534.56
4290386.75        5.23528
         641574.56    4290386.75        6.24926                       641614.56
4290386.75        7.43023
         641654.56    4290386.75        8.77093                       641694.56
4290386.75       10.22739
         641734.56    4290386.75       11.90632                       641774.56
4290386.75       13.94789
         641814.56    4290386.75       15.18770                       641854.56
4290386.75       14.34365
         641894.56    4290386.75       12.08610                       641934.56
4290386.75        9.65990
         641974.56    4290386.75        7.62302                       642014.56
4290386.75        6.04912
         642054.56    4290386.75        4.85400                       642094.56
4290386.75        3.94979
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         642134.56    4290386.75        3.25882                    642174.56
4290386.75        2.73295
         642214.56    4290386.75        2.32321                    642254.56
4290386.75        2.00007
         642294.56    4290386.75        1.74086                    642334.56
4290386.75        1.52985
         642374.56    4290386.75        1.35647                    642414.56
4290386.75        1.21195
         642454.56    4290386.75        1.09192                    642494.56
4290386.75        0.98980
         642534.56    4290386.75        0.90207                    642574.56
4290386.75        0.82573
         642614.56    4290386.75        0.75928                    641374.56
4290426.75        2.89884
         641414.56    4290426.75        3.43379                    641454.56
4290426.75        4.11935
         641494.56    4290426.75        5.00156                    641534.56
4290426.75        6.18008
         641574.56    4290426.75        7.68415                    641614.56
4290426.75        9.53487
         641654.56    4290426.75       11.74790                    641694.56
4290426.75       14.26299
         641734.56    4290426.75       17.29150                    641774.56
4290426.75       20.76454
         641814.56    4290426.75       21.48230                    641854.56
4290426.75       18.28989
         641894.56    4290426.75       14.03392                    641934.56
4290426.75       10.48741
         641974.56    4290426.75        7.91625                    642014.56
4290426.75        6.10536
         642054.56    4290426.75        4.81532                    642094.56
4290426.75        3.87906
         642134.56    4290426.75        3.18608                    642174.56
4290426.75        2.66549
         642214.56    4290426.75        2.26461                    642254.56
4290426.75        1.95004
         642294.56    4290426.75        1.69985                    642334.56
4290426.75        1.49639
         642374.56    4290426.75        1.32899                    642414.56
4290426.75        1.18926
         642454.56    4290426.75        1.07245                    642494.56
4290426.75        0.97335
         642534.56    4290426.75        0.88827                    642574.56
4290426.75        0.81392
         642614.56    4290426.75        0.74947                    641374.56
4290466.75        3.10877
         641414.56    4290466.75        3.72191                    641454.56
4290466.75        4.53974
         641494.56    4290466.75        5.65432                    641534.56
4290466.75        7.24359
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         641574.56    4290466.75        9.46455                       641614.56
4290466.75       12.50308
         641654.56    4290466.75       16.42592                       641694.56
4290466.75       21.35113
         641734.56    4290466.75       27.58220                       641774.56
4290466.75       33.84489
         641814.56    4290466.75       30.98205                       641854.56
4290466.75       22.59323
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LOADING  ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         641894.56    4290466.75       15.58431                       641934.56
4290466.75       10.91341
         641974.56    4290466.75        7.93983                       642014.56
4290466.75        5.99857
         642054.56    4290466.75        4.68776                       642094.56
4290466.75        3.76592
         642134.56    4290466.75        3.09364                       642174.56
4290466.75        2.59045
         642214.56    4290466.75        2.20434                       642254.56
4290466.75        1.90186
         642294.56    4290466.75        1.66198                       642334.56
4290466.75        1.46642
         642374.56    4290466.75        1.30467                       642414.56
4290466.75        1.16936
         642454.56    4290466.75        1.05508                       642494.56
4290466.75        0.95842
         642534.56    4290466.75        0.87562                       642574.56
4290466.75        0.80349
         642614.56    4290466.75        0.74082                       641920.09
4290522.63       12.22264
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         641960.09    4290522.63        8.51149                    642000.09
4290522.63        6.28649
         642040.09    4290522.63        4.85395                    642080.09
4290522.63        3.87480
         642120.09    4290522.63        3.17163                    642160.09
4290522.63        2.65042
         642200.09    4290522.63        2.25332                    642240.09
4290522.63        1.94287
         642280.09    4290522.63        1.69554                    642320.09
4290522.63        1.49490
         642360.09    4290522.63        1.32931                    642400.09
4290522.63        1.19107
         642440.09    4290522.63        1.07425                    642480.09
4290522.63        0.97521
         642520.09    4290522.63        0.89012                    642560.09
4290522.63        0.81644
         642600.09    4290522.63        0.75216                    641920.09
4290562.63       11.63819
         641960.09    4290562.63        8.14972                    642000.09
4290562.63        6.05914
         642040.09    4290562.63        4.70311                    642080.09
4290562.63        3.76965
         642120.09    4290562.63        3.09804                    642160.09
4290562.63        2.59683
         642200.09    4290562.63        2.21467                    642240.09
4290562.63        1.91365
         642280.09    4290562.63        1.67272                    642320.09
4290562.63        1.47666
         642360.09    4290562.63        1.31477                    642400.09
4290562.63        1.17942
         642440.09    4290562.63        1.06499                    642480.09
4290562.63        0.96740
         642520.09    4290562.63        0.88339                    642560.09
4290562.63        0.81040
         642600.09    4290562.63        0.74647                    641920.09
4290602.63       11.12075
         641960.09    4290602.63        7.86737                    642000.09
4290602.63        5.88957
         642040.09    4290602.63        4.59303                    642080.09
4290602.63        3.69440
         642120.09    4290602.63        3.04449                    642160.09
4290602.63        2.55798
         642200.09    4290602.63        2.18553                    642240.09
4290602.63        1.89124
         642280.09    4290602.63        1.65510                    642320.09
4290602.63        1.46268
         642360.09    4290602.63        1.30357                    642400.09
4290602.63        1.17035
         642440.09    4290602.63        1.05762                    642480.09
4290602.63        0.96127
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         642520.09    4290602.63        0.87823                       642560.09
4290602.63        0.80603
         642600.09    4290602.63        0.74239                       641920.09
4290642.63       10.62964
         641960.09    4290642.63        7.59889                       642000.09
4290642.63        5.72833
         642040.09    4290642.63        4.48965                       642080.09
4290642.63        3.62481
         642120.09    4290642.63        2.99548                       642160.09
4290642.63        2.52276
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LOADING  ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642200.09    4290642.63        2.15918                       642240.09
4290642.63        1.87107
         642280.09    4290642.63        1.63948                       642320.09
4290642.63        1.45035
         642360.09    4290642.63        1.29371                       642400.09
4290642.63        1.16238
         642440.09    4290642.63        1.05109                       642480.09
4290642.63        0.95590
         642520.09    4290642.63        0.87374                       642560.09
4290642.63        0.80227
         642600.09    4290642.63        0.73938                       641920.09
4290682.63        9.89210
         641960.09    4290682.63        7.20467                       642000.09
4290682.63        5.49677
         642040.09    4290682.63        4.34450                       642080.09
4290682.63        3.52916
         642120.09    4290682.63        2.93005                       642160.09
4290682.63        2.47685
```

642200.09 4290682.63 2.12584 642240.09
4290682.63 1.84623
642280.09 4290682.63 1.62069 642320.09
4290682.63 1.43589
642360.09 4290682.63 1.28243 642400.09
4290682.63 1.15345
642440.09 4290682.63 1.04394 642480.09
4290682.63 0.95009
642520.09 4290682.63 0.86901 642560.09
4290682.63 0.79838
642600.09 4290682.63 0.73625 641920.09
4290722.63 8.90904
641960.09 4290722.63 6.65865 642000.09
4290722.63 5.17157
642040.09 4290722.63 4.13860 642080.09
4290722.63 3.39247
642120.09 4290722.63 2.83586 642160.09
4290722.63 2.41051
642200.09 4290722.63 2.07782 642240.09
4290722.63 1.81084
642280.09 4290722.63 1.59407 642320.09
4290722.63 1.41559
642360.09 4290722.63 1.26671 642400.09
4290722.63 1.14114
642440.09 4290722.63 1.03421 642480.09
4290722.63 0.94232
642520.09 4290722.63 0.86272 642560.09
4290722.63 0.79327
642600.09 4290722.63 0.73213 641920.09
4290762.63 7.94488
641960.09 4290762.63 6.06155 642000.09
4290762.63 4.78742
642040.09 4290762.63 3.88443 642080.09
4290762.63 3.21889
642120.09 4290762.63 2.71406 642160.09
4290762.63 2.32292
642200.09 4290762.63 2.01323 642240.09
4290762.63 1.76256
642280.09 4290762.63 1.55746 642320.09
4290762.63 1.38747
642360.09 4290762.63 1.24484 642400.09
4290762.63 1.12396
642440.09 4290762.63 1.02055 642480.09
4290762.63 0.93134
642520.09 4290762.63 0.85386 642560.09
4290762.63 0.78606
642600.09 4290762.63 0.72628 641920.09
4290802.63 7.09017
641960.09 4290802.63 5.50660 642000.09
4290802.63 4.40993

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         642040.09    4290802.63        3.61842                      642080.09
4290802.63        3.02805
         642120.09    4290802.63        2.57480                      642160.09
4290802.63        2.21972
         642200.09    4290802.63        1.93533                      642240.09
4290802.63        1.70315
         642280.09    4290802.63        1.51159                      642320.09
4290802.63        1.35165
         642360.09    4290802.63        1.21658                      642400.09
4290802.63        1.10147
         642440.09    4290802.63        1.00249                      642480.09
4290802.63        0.91676
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LOADING  ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642520.09    4290802.63        0.84199                      642560.09
4290802.63        0.77633
         642600.09    4290802.63        0.71828                      641920.09
4290842.63        6.35320
         641960.09    4290842.63        5.01605                      642000.09
4290842.63        4.06550
         642040.09    4290842.63        3.36907                      642080.09
4290842.63        2.84165
         642120.09    4290842.63        2.43215                      642160.09
4290842.63        2.11017
         642200.09    4290842.63        1.85016                      642240.09
4290842.63        1.63644
         642280.09    4290842.63        1.45891                      642320.09
4290842.63        1.30969
         642360.09    4290842.63        1.18293                      642400.09
4290842.63        1.07428
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         642440.09    4290842.63        0.98039                      642480.09
4290842.63        0.89868
         642520.09    4290842.63        0.82710                      642560.09
4290842.63        0.76398
         642600.09    4290842.63        0.70809                      641920.09
4290882.63        5.69839
         641960.09    4290882.63        4.57402                      642000.09
4290882.63        3.75504
         642040.09    4290882.63        3.14044                      642080.09
4290882.63        2.66925
         642120.09    4290882.63        2.30054                      642160.09
4290882.63        2.00320
         642200.09    4290882.63        1.76414                      642240.09
4290882.63        1.56707
         642280.09    4290882.63        1.40270                      642320.09
4290882.63        1.26391
         642360.09    4290882.63        1.14548                      642400.09
4290882.63        1.04353
         642440.09    4290882.63        0.95502                      642480.09
4290882.63        0.87764
         642520.09    4290882.63        0.80958                      642560.09
4290882.63        0.74935
         642600.09    4290882.63        0.69578                      641450.64
4290754.44        6.23342
         641490.64    4290754.44        8.39303                      641530.64
4290754.44       11.98376
         641570.64    4290754.44       18.16254                      641610.64
4290754.44       28.76942
         641650.64    4290754.44       43.85558                      641450.64
4290794.44        6.46160
         641490.64    4290794.44        8.72214                      641530.64
4290794.44       12.26082
         641570.64    4290794.44       17.68473                      641610.64
4290794.44       25.13329
         641650.64    4290794.44       33.00361                      641450.64
4290834.44        6.63085
         641490.64    4290834.44        8.82742                      641530.64
4290834.44       11.97552
         641570.64    4290834.44       16.19775                      641610.64
4290834.44       21.05121
         641650.64    4290834.44       25.11969

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641284.31	4290506.68	2.28940	641324.31	4290506.68	2.67251
641364.31	4290506.68	3.16700	641404.31	4290506.68	3.81671
641284.31	4290546.68	2.37447	641324.31	4290546.68	2.78761
641364.31	4290546.68	3.33132	641404.31	4290546.68	4.06145
641284.31	4290586.68	2.44068	641324.31	4290586.68	2.87753
641364.31	4290586.68	3.45492	641404.31	4290586.68	4.23579
641284.31	4290626.68	2.49164	641324.31	4290626.68	2.93781
641364.31	4290626.68	3.53327	641404.31	4290626.68	4.33574
641284.31	4290666.68	2.53213	641324.31	4290666.68	2.99039
641364.31	4290666.68	3.60815	641404.31	4290666.68	4.42863
641284.31	4290706.68	2.56683	641324.31	4290706.68	3.03736
641364.31	4290706.68	3.67455	641404.31	4290706.68	4.52993
641284.31	4290746.68	2.60332	641324.31	4290746.68	3.08281
641364.31	4290746.68	3.73816	641404.31	4290746.68	4.64072
641284.31	4290786.68	2.64373	641324.31	4290786.68	3.13798
641364.31	4290786.68	3.81491	641404.31	4290786.68	4.76910
641284.31	4290826.68	2.69116	641324.31	4290826.68	3.20719
641364.31	4290826.68	3.90702	641404.31	4290826.68	4.90565

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         641284.31    4290866.68        2.74429                      641324.31
4290866.68        3.28258
         641364.31    4290866.68        4.00723                      641404.31
4290866.68        5.02404
         641268.28    4290889.76        2.59499                      641308.28
4290889.76        3.08852
         641348.28    4290889.76        3.73759                      641388.28
4290889.76        4.62365
         641428.28    4290889.76        5.83374                      641468.28
4290889.76        7.45582
         641508.28    4290889.76        9.56614                      641548.28
4290889.76       12.10804
         641588.28    4290889.76       14.79248                      641628.28
4290889.76       17.04593
         642188.28    4290889.76        1.81393                      642228.28
4290889.76        1.60819
         642268.28    4290889.76        1.43734                      642308.28
4290889.76        1.29347
         642348.28    4290889.76        1.17105                      642388.28
4290889.76        1.06589
         642428.28    4290889.76        0.97477                      641268.28
4290929.76        2.64620
         641308.28    4290929.76        3.15182                      641348.28
4290929.76        3.80588
         641388.28    4290929.76        4.67075                      641428.28
4290929.76        5.80000
         641468.28    4290929.76        7.22456                      641508.28
4290929.76        8.93401
         641548.28    4290929.76       10.80445                      641588.28
4290929.76       12.57330
         641628.28    4290929.76       13.87540                      642188.28
4290929.76        1.72622
         642228.28    4290929.76        1.53523                      642268.28
4290929.76        1.37683
         642308.28    4290929.76        1.24292                      642348.28
4290929.76        1.12860
         642388.28    4290929.76        1.03027                      642428.28
4290929.76        0.94499
         641268.28    4290969.76        2.69342                      641308.28
4290969.76        3.19910
         641348.28    4290969.76        3.84064                      641388.28
4290969.76        4.65583
         641428.28    4290969.76        5.66790                      641468.28
4290969.76        6.86908
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  41
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641508.28	4290969.76	8.20678	641548.28	4290969.76	9.55174
641588.28	4290969.76	10.71013	641628.28	4290969.76	11.46073
641668.28	4290969.76	11.62246	641708.28	4290969.76	11.11759
641748.28	4290969.76	10.03442	641788.28	4290969.76	8.61919
641828.28	4290969.76	7.16459	641868.28	4290969.76	5.87586
641908.28	4290969.76	4.81742	641948.28	4290969.76	3.98276
642188.28	4290969.76	1.64448	642228.28	4290969.76	1.46728
642268.28	4290969.76	1.31999	642308.28	4290969.76	1.19486
642348.28	4290969.76	1.08735	642388.28	4290969.76	0.99454
642428.28	4290969.76	0.91420	641268.28	4291009.76	2.72894
641308.28	4291009.76	3.22334	641348.28	4291009.76	3.83576
641388.28	4291009.76	4.57874	641428.28	4291009.76	5.45558
641468.28	4291009.76	6.43803	641508.28	4291009.76	7.46145
641548.28	4291009.76	8.41707	641588.28	4291009.76	9.17264
641628.28	4291009.76	9.60045	641668.28	4291009.76	9.60768
641708.28	4291009.76	9.16710	641748.28	4291009.76	8.34632
641788.28	4291009.76	7.29916	641828.28	4291009.76	6.19945

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         641868.28    4291009.76        5.19235                      641908.28
4291009.76        4.33576
         641948.28    4291009.76        3.63867                      642188.28
4291009.76        1.56942
         642228.28    4291009.76        1.40536                      642268.28
4291009.76        1.26742
         642308.28    4291009.76        1.14966                      642348.28
4291009.76        1.04821
         642388.28    4291009.76        0.96063                      642428.28
4291009.76        0.88458
         641268.28    4291049.76        2.74662                      641308.28
4291049.76        3.21842
         641348.28    4291049.76        3.78652                      641388.28
4291049.76        4.44812
         641428.28    4291049.76        5.18719                      641468.28
4291049.76        5.97365
         641508.28    4291049.76        6.74512                      641548.28
4291049.76        7.41977
         641588.28    4291049.76        7.91161                      641628.28
4291049.76        8.14722
         641668.28    4291049.76        8.07912                      641708.28
4291049.76        7.70085
         641748.28    4291049.76        7.06211                      641788.28
4291049.76        6.26295
         641828.28    4291049.76        5.41434                      641868.28
4291049.76        4.61858
         641908.28    4291049.76        3.91966                      641948.28
4291049.76        3.33427
         642188.28    4291049.76        1.49741                      642228.28
4291049.76        1.34647
         642268.28    4291049.76        1.21751                      642308.28
4291049.76        1.10698
         642348.28    4291049.76        1.01139                      642388.28
4291049.76        0.92861
         642428.28    4291049.76        0.85650                      641268.28
4291089.76        2.74449
         641308.28    4291089.76        3.18566                      641348.28
4291089.76        3.70008
         641388.28    4291089.76        4.27495                      641428.28
4291089.76        4.88571
         641468.28    4291089.76        5.50591                      641508.28
4291089.76        6.08292
         641548.28    4291089.76        6.55729                      641588.28
4291089.76        6.87555
         641628.28    4291089.76        6.99556                      641668.28
4291089.76        6.89272
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641708.28	4291089.76	6.56894	641748.28	4291089.76	6.06107
641788.28	4291089.76	5.43670	641828.28	4291089.76	4.76979
641868.28	4291089.76	4.13182	641908.28	4291089.76	3.55711
641948.28	4291089.76	3.06355	641988.28	4291089.76	2.65071
642028.28	4291089.76	2.30640	642068.28	4291089.76	2.02269
642108.28	4291089.76	1.79122	642148.28	4291089.76	1.59319
641268.28	4291129.76	2.72169	641308.28	4291129.76	3.12638
641348.28	4291129.76	3.58329	641388.28	4291129.76	4.07381
641428.28	4291129.76	4.57098	641468.28	4291129.76	5.05424
641508.28	4291129.76	5.48318	641548.28	4291129.76	5.81614
641588.28	4291129.76	6.01952	641628.28	4291129.76	6.06921
641668.28	4291129.76	5.95295	641708.28	4291129.76	5.67550
641748.28	4291129.76	5.26425	641788.28	4291129.76	4.76642
641828.28	4291129.76	4.23376	641868.28	4291129.76	3.71611
641908.28	4291129.76	3.23993	641948.28	4291129.76	2.82164
641988.28	4291129.76	2.46296	642028.28	4291129.76	2.16044

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         642068.28    4291129.76        1.90721                     642108.28
4291129.76        1.69501
         642148.28    4291129.76        1.51575                     641374.56
4290226.75        1.92033
         641414.56    4290226.75        2.12376                     641454.56
4290226.75        2.34671
         641494.56    4290226.75        2.58650                     641534.56
4290226.75        2.84245
         641574.56    4290226.75        3.11488                     641614.56
4290226.75        3.40054
         641654.56    4290226.75        3.70084                     641694.56
4290226.75        4.01415
         641734.56    4290226.75        4.35319                     641774.56
4290226.75        4.76377
         641814.56    4290226.75        5.22735                     641854.56
4290226.75        5.61167
         641894.56    4290226.75        5.75263                     641934.56
4290226.75        5.58501
         641974.56    4290226.75        5.17847                     642014.56
4290226.75        4.65309
         642054.56    4290226.75        4.10514                     642094.56
4290226.75        3.58966
         642134.56    4290226.75        3.13093                     642174.56
4290226.75        2.73257
         642214.56    4290226.75        2.38886                     642254.56
4290226.75        2.09658
         642294.56    4290226.75        1.84973                     642334.56
4290226.75        1.64021
         642374.56    4290226.75        1.46029                     642414.56
4290226.75        1.30657
         642454.56    4290226.75        1.17537                     642494.56
4290226.75        1.06239
         642534.56    4290226.75        0.96477                     642574.56
4290226.75        0.87994
         642614.56    4290226.75        0.80696                     641374.56
4290266.75        2.09740
         641414.56    4290266.75        2.34928                     641454.56
4290266.75        2.62812
         641494.56    4290266.75        2.93477                     641534.56
4290266.75        3.26999
         641574.56    4290266.75        3.63633                     641614.56
4290266.75        4.03172
         641654.56    4290266.75        4.44433                     641694.56
4290266.75        4.86521
         641734.56    4290266.75        5.33836                     641774.56
4290266.75        5.91843
         641814.56    4290266.75        6.53711                     641854.56
4290266.75        6.95553
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
```

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S):   STCK2   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641894.56	4290266.75	6.94771	641934.56	4290266.75	6.51748
641974.56	4290266.75	5.83900	642014.56	4290266.75	5.09143
642054.56	4290266.75	4.38271	642094.56	4290266.75	3.75984
642134.56	4290266.75	3.23004	642174.56	4290266.75	2.78419
642214.56	4290266.75	2.41002	642254.56	4290266.75	2.09766
642294.56	4290266.75	1.83926	642334.56	4290266.75	1.62335
642374.56	4290266.75	1.44054	642414.56	4290266.75	1.28602
642454.56	4290266.75	1.15592	642494.56	4290266.75	1.04470
642534.56	4290266.75	0.94908	642574.56	4290266.75	0.86586
642614.56	4290266.75	0.79431	641374.56	4290306.75	2.28696
641414.56	4290306.75	2.59689	641454.56	4290306.75	2.94865
641494.56	4290306.75	3.34929	641534.56	4290306.75	3.80165
641574.56	4290306.75	4.30745	641614.56	4290306.75	4.85152
641654.56	4290306.75	5.42621	641694.56	4290306.75	6.03495
641734.56	4290306.75	6.72209	641774.56	4290306.75	7.55541

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         641814.56    4290306.75        8.38447                    641854.56
4290306.75        8.75605
         641894.56    4290306.75        8.41726                    641934.56
4290306.75        7.55779
         641974.56    4290306.75        6.50869                    642014.56
4290306.75        5.49600
         642054.56    4290306.75        4.61438                    642094.56
4290306.75        3.88612
         642134.56    4290306.75        3.28847                    642174.56
4290306.75        2.80141
         642214.56    4290306.75        2.40450                    642254.56
4290306.75        2.08016
         642294.56    4290306.75        1.81516                    642334.56
4290306.75        1.59695
         642374.56    4290306.75        1.41391                    642414.56
4290306.75        1.26139
         642454.56    4290306.75        1.13416                    642494.56
4290306.75        1.02583
         642534.56    4290306.75        0.93281                    642574.56
4290306.75        0.85203
         642614.56    4290306.75        0.76054                    641374.56
4290346.75        2.48718
         641414.56    4290346.75        2.86333                    641454.56
4290346.75        3.31291
         641494.56    4290346.75        3.84339                    641534.56
4290346.75        4.45492
         641574.56    4290346.75        5.14744                    641614.56
4290346.75        5.92949
         641654.56    4290346.75        6.79326                    641694.56
4290346.75        7.70963
         641734.56    4290346.75        8.74622                    641774.56
4290346.75       10.01858
         641814.56    4290346.75       11.09550                    641854.56
4290346.75       11.16826
         641894.56    4290346.75       10.15346                    641934.56
4290346.75        8.63654
         641974.56    4290346.75        7.13021                    642014.56
4290346.75        5.83319
         642054.56    4290346.75        4.78163                    642094.56
4290346.75        3.95296
         642134.56    4290346.75        3.29670                    642174.56
4290346.75        2.78157
         642214.56    4290346.75        2.37208                    642254.56
4290346.75        2.04506
         642294.56    4290346.75        1.78061                    642334.56
4290346.75        1.56449
         642374.56    4290346.75        1.38555                    642414.56
4290346.75        1.23677
         642454.56    4290346.75        1.11270                    642494.56
4290346.75        1.00736
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
642534.56	4290346.75	0.91697	642574.56	4290346.75	0.83844
642614.56	4290346.75	0.74048	641374.56	4290386.75	2.69217
641414.56	4290386.75	3.14425	641454.56	4290386.75	3.70677
641494.56	4290386.75	4.39354	641534.56	4290386.75	5.23586
641574.56	4290386.75	6.24991	641614.56	4290386.75	7.43092
641654.56	4290386.75	8.77161	641694.56	4290386.75	10.22804
641734.56	4290386.75	11.90712	641774.56	4290386.75	13.94852
641814.56	4290386.75	15.18691	641854.56	4290386.75	14.34148
641894.56	4290386.75	12.08365	641934.56	4290386.75	9.65784
641974.56	4290386.75	7.62145	642014.56	4290386.75	6.04796
642054.56	4290386.75	4.85314	642094.56	4290386.75	3.94915
642134.56	4290386.75	3.25834	642174.56	4290386.75	2.73258
642214.56	4290386.75	2.32292	642254.56	4290386.75	1.99984
642294.56	4290386.75	1.74067	642334.56	4290386.75	1.52970

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         642374.56    4290386.75        1.35635                    642414.56
4290386.75        1.21185
         642454.56    4290386.75        1.09183                    642494.56
4290386.75        0.98973
         642534.56    4290386.75        0.90200                    642574.56
4290386.75        0.82567
         642614.56    4290386.75        0.75923                    641374.56
4290426.75        2.89919
         641414.56    4290426.75        3.43423                    641454.56
4290426.75        4.11991
         641494.56    4290426.75        5.00228                    641534.56
4290426.75        6.18096
         641574.56    4290426.75        7.68520                    641614.56
4290426.75        9.53606
         641654.56    4290426.75       11.74913                    641694.56
4290426.75       14.26418
         641734.56    4290426.75       17.29298                    641774.56
4290426.75       20.76508
         641814.56    4290426.75       21.47946                    641854.56
4290426.75       18.28559
         641894.56    4290426.75       14.03026                    641934.56
4290426.75       10.48479
         641974.56    4290426.75        7.91444                    642014.56
4290426.75        6.10410
         642054.56    4290426.75        4.81443                    642094.56
4290426.75        3.87842
         642134.56    4290426.75        3.18561                    642174.56
4290426.75        2.66513
         642214.56    4290426.75        2.26433                    642254.56
4290426.75        1.94982
         642294.56    4290426.75        1.69967                    642334.56
4290426.75        1.49625
         642374.56    4290426.75        1.32887                    642414.56
4290426.75        1.18916
         642454.56    4290426.75        1.07237                    642494.56
4290426.75        0.97328
         642534.56    4290426.75        0.88820                    642574.56
4290426.75        0.81387
         642614.56    4290426.75        0.74942                    641374.56
4290466.75        3.10917
         641414.56    4290466.75        3.72243                    641454.56
4290466.75        4.54044
         641494.56    4290466.75        5.65527                    641534.56
4290466.75        7.24490
         641574.56    4290466.75        9.46631                    641614.56
4290466.75       12.50528
         641654.56    4290466.75       16.42840                    641694.56
4290466.75       21.35366
         641734.56    4290466.75       27.58532                    641774.56
4290466.75       33.84353
```

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641894.56	4290466.75	15.57937	641934.56	4290466.75	10.91036
641974.56	4290466.75	7.93790	642014.56	4290466.75	5.99730
642054.56	4290466.75	4.68689	642094.56	4290466.75	3.76529
642134.56	4290466.75	3.09318	642174.56	4290466.75	2.59010
642214.56	4290466.75	2.20407	642254.56	4290466.75	1.90165
642294.56	4290466.75	1.66181	642334.56	4290466.75	1.46628
642374.56	4290466.75	1.30455	642414.56	4290466.75	1.16926
642454.56	4290466.75	1.05499	642494.56	4290466.75	0.95835
642534.56	4290466.75	0.87556	642574.56	4290466.75	0.80343
642614.56	4290466.75	0.74078	641920.09	4290522.63	12.21875
641960.09	4290522.63	8.50926	642000.09	4290522.63	6.28509
642040.09	4290522.63	4.85302	642080.09	4290522.63	3.87415
642120.09	4290522.63	3.17115	642160.09	4290522.63	2.65006

```
         642200.09    4290522.63        2.25304                    642240.09
4290522.63        1.94265
         642280.09    4290522.63        1.69536                    642320.09
4290522.63        1.49475
         642360.09    4290522.63        1.32919                    642400.09
4290522.63        1.19097
         642440.09    4290522.63        1.07417                    642480.09
4290522.63        0.97514
         642520.09    4290522.63        0.89005                    642560.09
4290522.63        0.81639
         642600.09    4290522.63        0.75211                    641920.09
4290562.63       11.63454
         641960.09    4290562.63        8.14762                    642000.09
4290562.63        6.05782
         642040.09    4290562.63        4.70222                    642080.09
4290562.63        3.76902
         642120.09    4290562.63        3.09758                    642160.09
4290562.63        2.59648
         642200.09    4290562.63        2.21439                    642240.09
4290562.63        1.91344
         642280.09    4290562.63        1.67255                    642320.09
4290562.63        1.47652
         642360.09    4290562.63        1.31465                    642400.09
4290562.63        1.17932
         642440.09    4290562.63        1.06490                    642480.09
4290562.63        0.96733
         642520.09    4290562.63        0.88332                    642560.09
4290562.63        0.81034
         642600.09    4290562.63        0.74642                    641920.09
4290602.63       11.11734
         641960.09    4290602.63        7.86539                    642000.09
4290602.63        5.88831
         642040.09    4290602.63        4.59217                    642080.09
4290602.63        3.69379
         642120.09    4290602.63        3.04404                    642160.09
4290602.63        2.55764
         642200.09    4290602.63        2.18526                    642240.09
4290602.63        1.89103
         642280.09    4290602.63        1.65493                    642320.09
4290602.63        1.46254
         642360.09    4290602.63        1.30345                    642400.09
4290602.63        1.17025
         642440.09    4290602.63        1.05753                    642480.09
4290602.63        0.96120
         642520.09    4290602.63        0.87816                    642560.09
4290602.63        0.80598
         642600.09    4290602.63        0.74234                    641920.09
4290642.63       10.62653
         641960.09    4290642.63        7.59704                    642000.09
4290642.63        5.72714
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         642040.09    4290642.63        4.48884                      642080.09
4290642.63        3.62422
         642120.09    4290642.63        2.99504                      642160.09
4290642.63        2.52242
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: BREATHIN ***
                                    INCLUDING SOURCE(S):     STCK2       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642200.09    4290642.63        2.15892                      642240.09
4290642.63        1.87086
         642280.09    4290642.63        1.63931                      642320.09
4290642.63        1.45021
         642360.09    4290642.63        1.29359                      642400.09
4290642.63        1.16228
         642440.09    4290642.63        1.05101                      642480.09
4290642.63        0.95583
         642520.09    4290642.63        0.87368                      642560.09
4290642.63        0.80221
         642600.09    4290642.63        0.73933                      641920.09
4290682.63        9.88948
         641960.09    4290682.63        7.20305                      642000.09
4290682.63        5.49569
         642040.09    4290682.63        4.34375                      642080.09
4290682.63        3.52861
         642120.09    4290682.63        2.92964                      642160.09
4290682.63        2.47653
         642200.09    4290682.63        2.12559                      642240.09
4290682.63        1.84603
         642280.09    4290682.63        1.62052                      642320.09
4290682.63        1.43575
         642360.09    4290682.63        1.28231                      642400.09
4290682.63        1.15335
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        642440.09    4290682.63        1.04385                    642480.09
4290682.63        0.95002
        642520.09    4290682.63        0.86894                    642560.09
4290682.63        0.79832
        642600.09    4290682.63        0.73620                    641920.09
4290722.63        8.90695
        641960.09    4290722.63        6.65730                    642000.09
4290722.63        5.17064
        642040.09    4290722.63        4.13794                    642080.09
4290722.63        3.39198
        642120.09    4290722.63        2.83549                    642160.09
4290722.63        2.41022
        642200.09    4290722.63        2.07758                    642240.09
4290722.63        1.81065
        642280.09    4290722.63        1.59391                    642320.09
4290722.63        1.41546
        642360.09    4290722.63        1.26661                    642400.09
4290722.63        1.14105
        642440.09    4290722.63        1.03413                    642480.09
4290722.63        0.94225
        642520.09    4290722.63        0.86266                    642560.09
4290722.63        0.79322
        642600.09    4290722.63        0.73208                    641920.09
4290762.63        7.94316
        641960.09    4290762.63        6.06042                    642000.09
4290762.63        4.78663
        642040.09    4290762.63        3.88385                    642080.09
4290762.63        3.21846
        642120.09    4290762.63        2.71372                    642160.09
4290762.63        2.32266
        642200.09    4290762.63        2.01301                    642240.09
4290762.63        1.76238
        642280.09    4290762.63        1.55732                    642320.09
4290762.63        1.38734
        642360.09    4290762.63        1.24474                    642400.09
4290762.63        1.12387
        642440.09    4290762.63        1.02048                    642480.09
4290762.63        0.93128
        642520.09    4290762.63        0.85380                    642560.09
4290762.63        0.78601
        642600.09    4290762.63        0.72624                    641920.09
4290802.63        7.08876
        641960.09    4290802.63        5.50564                    642000.09
4290802.63        4.40925
        642040.09    4290802.63        3.61791                    642080.09
4290802.63        3.02766
        642120.09    4290802.63        2.57450                    642160.09
4290802.63        2.21948
        642200.09    4290802.63        1.93513                    642240.09
4290802.63        1.70299
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         642280.09    4290802.63        1.51146                       642320.09
4290802.63        1.35153
         642360.09    4290802.63        1.21649                       642400.09
4290802.63        1.10138
         642440.09    4290802.63        1.00242                       642480.09
4290802.63        0.91670
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: BREATHIN ***
                                  INCLUDING SOURCE(S):     STCK2       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642520.09    4290802.63        0.84193                       642560.09
4290802.63        0.77628
         642600.09    4290802.63        0.71824                       641920.09
4290842.63        6.35203
         641960.09    4290842.63        5.01523                       642000.09
4290842.63        4.06491
         642040.09    4290842.63        3.36863                       642080.09
4290842.63        2.84131
         642120.09    4290842.63        2.43188                       642160.09
4290842.63        2.10995
         642200.09    4290842.63        1.84998                       642240.09
4290842.63        1.63629
         642280.09    4290842.63        1.45879                       642320.09
4290842.63        1.30958
         642360.09    4290842.63        1.18284                       642400.09
4290842.63        1.07420
         642440.09    4290842.63        0.98032                       642480.09
4290842.63        0.89862
         642520.09    4290842.63        0.82705                       642560.09
4290842.63        0.76394
         642600.09    4290842.63        0.70805                       641920.09
4290882.63        5.69742
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         641960.09    4290882.63        4.57332                       642000.09
4290882.63        3.75452
         642040.09    4290882.63        3.14005                       642080.09
4290882.63        2.66894
         642120.09    4290882.63        2.30029                       642160.09
4290882.63        2.00300
         642200.09    4290882.63        1.76398                       642240.09
4290882.63        1.56694
         642280.09    4290882.63        1.40258                       642320.09
4290882.63        1.26382
         642360.09    4290882.63        1.14540                       642400.09
4290882.63        1.04346
         642440.09    4290882.63        0.95496                       642480.09
4290882.63        0.87758
         642520.09    4290882.63        0.80953                       642560.09
4290882.63        0.74930
         642600.09    4290882.63        0.69574                       641450.64
4290754.44        6.23479
         641490.64    4290754.44        8.39522                       641530.64
4290754.44       11.98752
         641570.64    4290754.44       18.16924                       641610.64
4290754.44       28.78097
         641650.64    4290754.44       43.87113                       641450.64
4290794.44        6.46305
         641490.64    4290794.44        8.72441                       641530.64
4290794.44       12.26446
         641570.64    4290794.44       17.69037                       641610.64
4290794.44       25.14096
         641650.64    4290794.44       33.01134                       641450.64
4290834.44        6.63231
         641490.64    4290834.44        8.82959                       641530.64
4290834.44       11.97867
         641570.64    4290834.44       16.20197                       641610.64
4290834.44       21.05601
         641650.64    4290834.44       25.12367

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
```

STCK2 , VOL13 , VOL14 , VOL15 , VOL17
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF TOG IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641284.31	4290506.68	9.07640	641324.31	4290506.68	10.59715
641364.31	4290506.68	12.56127	641404.31	4290506.68	15.14796
641284.31	4290546.68	9.35419	641324.31	4290546.68	10.97466
641364.31	4290546.68	13.10336	641404.31	4290546.68	15.95838
641284.31	4290586.68	9.55981	641324.31	4290586.68	11.25220
641364.31	4290586.68	13.48152	641404.31	4290586.68	16.48770
641284.31	4290626.68	9.72290	641324.31	4290626.68	11.44072
641364.31	4290626.68	13.72190	641404.31	4290626.68	16.78667
641284.31	4290666.68	9.85606	641324.31	4290666.68	11.61064
641364.31	4290666.68	13.95987	641404.31	4290666.68	17.07802
641284.31	4290706.68	9.96480	641324.31	4290706.68	11.75715
641364.31	4290706.68	14.16730	641404.31	4290706.68	17.40361
641284.31	4290746.68	10.07708	641324.31	4290746.68	11.90176
641364.31	4290746.68	14.38034	641404.31	4290746.68	17.78807
641284.31	4290786.68	10.21094	641324.31	4290786.68	12.09495
641364.31	4290786.68	14.66262	641404.31	4290786.68	18.26310
641284.31	4290826.68	10.38239	641324.31	4290826.68	12.35175
641364.31	4290826.68	15.01219	641404.31	4290826.68	18.77470
641284.31	4290866.68	10.58475	641324.31		

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4290866.68       12.63699
         641364.31    4290866.68       15.38846                       641404.31
4290866.68       19.21593
         641268.28    4290889.76       10.01618                       641308.28
4290889.76       11.89628
         641348.28    4290889.76       14.36486                       641388.28
4290889.76       17.71429
         641428.28    4290889.76       22.26541                       641468.28
4290889.76       28.33748
         641508.28    4290889.76       36.15042                       641548.28
4290889.76       45.39222
         641588.28    4290889.76       54.90814                       641628.28
4290889.76       62.68822
         642188.28    4290889.76        7.21115                       642228.28
4290889.76        6.39451
         642268.28    4290889.76        5.71850                       642308.28
4290889.76        5.15087
         642348.28    4290889.76        4.66873                       642388.28
4290889.76        4.25479
         642428.28    4290889.76        3.89587                       641268.28
4290929.76       10.21229
         641308.28    4290929.76       12.13565                       641348.28
4290929.76       14.62363
         641388.28    4290929.76       17.90221                       641428.28
4290929.76       22.16876
         641468.28    4290929.76       27.52500                       641508.28
4290929.76       33.87491
         641548.28    4290929.76       40.68700                       641588.28
4290929.76       46.97056
         641628.28    4290929.76       51.48881                       642188.28
4290929.76        6.86272
         642228.28    4290929.76        6.10199                       642268.28
4290929.76        5.47190
         642308.28    4290929.76        4.94085                       642348.28
4290929.76        4.48902
         642388.28    4290929.76        4.10140                       642428.28
4290929.76        3.76576
         641268.28    4290969.76       10.39209                       641308.28
4290969.76       12.31849
         641348.28    4290969.76       14.76552                       641388.28
4290969.76       17.87231
         641428.28    4290969.76       21.71792                       641468.28
4290969.76       26.25170
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08

                                 PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , STCK1 , STCK2 , VOL13 , VOL14 , VOL15 , VOL17 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641508.28	4290969.76	31.22848	641548.28	4290969.76	36.12674
641588.28	4290969.76	40.24056	641628.28	4290969.76	42.85110
641668.28	4290969.76	43.41797	641708.28	4290969.76	41.70168
641748.28	4290969.76	37.95148	641788.28	4290969.76	32.96096
641828.28	4290969.76	27.71663	641868.28	4290969.76	22.93750
641908.28	4290969.76	18.91355	641948.28	4290969.76	15.68752
642188.28	4290969.76	6.53921	642228.28	4290969.76	5.83381
642268.28	4290969.76	5.24636	642308.28	4290969.76	4.74775
642348.28	4290969.76	4.32047	642388.28	4290969.76	3.95287
642428.28	4290969.76	3.63566	641268.28	4291009.76	10.53033
641308.28	4291009.76	12.42180	641348.28	4291009.76	14.76837
641388.28	4291009.76	17.61844	641428.28	4291009.76	20.96695
641468.28	4291009.76	24.68252	641508.28	4291009.76	28.48739
641548.28	4291009.76	31.96014	641588.28	4291009.76	34.63932
641628.28	4291009.76	36.12665	641668.28	4291009.76	36.15004

641708.28 4291009.76 34.61707 641748.28
4291009.76 31.72505
641788.28 4291009.76 27.98469 641828.28
4291009.76 23.99664
641868.28 4291009.76 20.26509 641908.28
4291009.76 17.01713
641948.28 4291009.76 14.32686 642188.28
4291009.76 6.23975
642228.28 4291009.76 5.58916 642268.28
4291009.76 5.03973
642308.28 4291009.76 4.56971 642348.28
4291009.76 4.16494
642388.28 4291009.76 3.81623 642428.28
4291009.76 3.51435
641268.28 4291049.76 10.60765 641308.28
4291049.76 12.42405
641348.28 4291049.76 14.61448 641388.28
4291049.76 17.16369
641428.28 4291049.76 19.99549 641468.28
4291049.76 22.96870
641508.28 4291049.76 25.82876 641548.28
4291049.76 28.27113
641588.28 4291049.76 30.00977 641628.28
4291049.76 30.82577
641668.28 4291049.76 30.57972 641708.28
4291049.76 29.23984
641748.28 4291049.76 26.95591 641788.28
4291049.76 24.07045
641828.28 4291049.76 20.97383 641868.28
4291049.76 18.02275
641908.28 4291049.76 15.37858 641948.28
4291049.76 13.12417
642188.28 4291049.76 5.94990 642228.28
4291049.76 5.35437
642268.28 4291049.76 4.84284 642308.28
4291049.76 4.40245
642348.28 4291049.76 4.02070 642388.28
4291049.76 3.69002
642428.28 4291049.76 3.40242 641268.28
4291089.76 10.61657
641308.28 4291089.76 12.32661 641348.28
4291089.76 14.32144
641388.28 4291089.76 16.54354 641428.28
4291089.76 18.88485
641468.28 4291089.76 21.22329 641508.28
4291089.76 23.35263
641548.28 4291089.76 25.06150 641588.28
4291089.76 26.18177
641628.28 4291089.76 26.59274 641668.28
4291089.76 26.21932

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , STCK1 , STCK2 , VOL13 , VOL14 , VOL15 , VOL17 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
641708.28	4291089.76	25.05591	641748.28	4291089.76	23.21695
641788.28	4291089.76	20.94066	641828.28	4291089.76	18.49264
641868.28	4291089.76	16.12310	641908.28	4291089.76	13.95243
641948.28	4291089.76	12.05583	641988.28	4291089.76	10.44982
642028.28	4291089.76	9.10351	642068.28	4291089.76	7.99343
642108.28	4291089.76	7.08811	642148.28	4291089.76	6.31528
641268.28	4291129.76	10.55227	641308.28	4291129.76	12.13050
641348.28	4291129.76	13.90924	641388.28	4291129.76	15.80707
641428.28	4291129.76	17.70937	641468.28	4291129.76	19.52329
641508.28	4291129.76	21.09701	641548.28	4291129.76	22.28970
641588.28	4291129.76	23.00157	641628.28	4291129.76	23.16538
641668.28	4291129.76	22.74039	641708.28		

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4291129.76       21.73138
         641748.28    4291129.76       20.22597                  641788.28
4291129.76       18.39533
         641828.28    4291129.76       16.42906                  641868.28
4291129.76       14.50266
         641908.28    4291129.76       12.70602                  641948.28
4291129.76       11.10209
         641988.28    4291129.76        9.70879                  642028.28
4291129.76        8.52532
         642068.28    4291129.76        7.53302                  642108.28
4291129.76        6.70258
         642148.28    4291129.76        6.00222                  641374.56
4290226.75        7.83535
         641414.56    4290226.75        8.71413                  641454.56
4290226.75        9.68668
         641494.56    4290226.75       10.74173                  641534.56
4290226.75       11.87326
         641574.56    4290226.75       13.08861                  641614.56
4290226.75       14.38639
         641654.56    4290226.75       15.76768                  641694.56
4290226.75       17.17411
         641734.56    4290226.75       18.62407                  641774.56
4290226.75       20.39029
         641814.56    4290226.75       22.56841                  641854.56
4290226.75       24.61608
         641894.56    4290226.75       25.53904                  641934.56
4290226.75       24.80166
         641974.56    4290226.75       22.78137                  642014.56
4290226.75       20.20440
         642054.56    4290226.75       17.59489                  642094.56
4290226.75       15.20480
         642134.56    4290226.75       13.12437                  642174.56
4290226.75       11.35245
         642214.56    4290226.75        9.84975                  642254.56
4290226.75        8.58993
         642294.56    4290226.75        7.53818                  642334.56
4290226.75        6.65431
         642374.56    4290226.75        5.90234                  642414.56
4290226.75        5.26518
         642454.56    4290226.75        4.72548                  642494.56
4290226.75        4.26390
         642534.56    4290226.75        3.86746                  642574.56
4290226.75        3.52457
         642614.56    4290226.75        3.23068                  641374.56
4290266.75        8.52944
         641414.56    4290266.75        9.61174                  641454.56
4290266.75       10.83052
         641494.56    4290266.75       12.18706                  641534.56
4290266.75       13.68348
         641574.56    4290266.75       15.33206                  641614.56
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4290266.75       17.13923
         641654.56    4290266.75       19.06197                       641694.56
4290266.75       21.00139
         641734.56    4290266.75       23.06994                       641774.56
4290266.75       25.63144
         641814.56    4290266.75       28.68557                       641854.56
4290266.75       31.08084
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08

                                 PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         641894.56    4290266.75       31.27978                       641934.56
4290266.75       29.12604
         641974.56    4290266.75       25.70017                       642014.56
4290266.75       22.04961
         642054.56    4290266.75       18.70346                       642094.56
4290266.75       15.84206
         642134.56    4290266.75       13.46326                       642174.56
4290266.75       11.50050
         642214.56    4290266.75        9.88090                       642254.56
4290266.75        8.54783
         642294.56    4290266.75        7.45801                       642334.56
4290266.75        6.55704
         642374.56    4290266.75        5.80155                       642414.56
4290266.75        5.16819
         642454.56    4290266.75        4.63846                       642494.56
4290266.75        4.18809
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         642534.56    4290266.75        3.80245                    642574.56
4290266.75        3.46776
         642614.56    4290266.75        3.18051                    641374.56
4290306.75        9.25892
         641414.56    4290306.75       10.57958                    641454.56
4290306.75       12.10947
         641494.56    4290306.75       13.88364                    641534.56
4290306.75       15.91878
         641574.56    4290306.75       18.22019                    641614.56
4290306.75       20.73641
         641654.56    4290306.75       23.46370                    641694.56
4290306.75       26.34495
         641734.56    4290306.75       29.43716                    641774.56
4290306.75       33.25396
         641814.56    4290306.75       37.60831                    641854.56
4290306.75       39.98346
         641894.56    4290306.75       38.37576                    641934.56
4290306.75       33.88110
         641974.56    4290306.75       28.58210                    642014.56
4290306.75       23.68308
         642054.56    4290306.75       19.56559                    642094.56
4290306.75       16.25824
         642134.56    4290306.75       13.60798                    642174.56
4290306.75       11.49116
         642214.56    4290306.75        9.79536                    642254.56
4290306.75        8.42968
         642294.56    4290306.75        7.32734                    642334.56
4290306.75        6.42883
         642374.56    4290306.75        5.68132                    642414.56
4290306.75        5.06230
         642454.56    4290306.75        4.54819                    642494.56
4290306.75        4.11174
         642534.56    4290306.75        3.73771                    642574.56
4290306.75        3.41318
         642614.56    4290306.75        3.07677                    641374.56
4290346.75       10.01744
         641414.56    4290346.75       11.59910                    641454.56
4290346.75       13.52893
         641494.56    4290346.75       15.86155                    641534.56
4290346.75       18.62363
         641574.56    4290346.75       21.82757                    641614.56
4290346.75       25.50558
         641654.56    4290346.75       29.66067                    641694.56
4290346.75       34.15084
         641734.56    4290346.75       39.00328                    641774.56
4290346.75       45.12598
         641814.56    4290346.75       51.28221                    641854.56
4290346.75       52.20491
         641894.56    4290346.75       46.69805                    641934.56
4290346.75       38.66737
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         641974.56    4290346.75       31.12761                       642014.56
4290346.75       24.93229
         642054.56    4290346.75       20.08990                       642094.56
4290346.75       16.38591
         642134.56    4290346.75       13.52579                       642174.56
4290346.75       11.32637
         642214.56    4290346.75        9.60717                       642254.56
4290346.75        8.25227
         642294.56    4290346.75        7.16768                       642334.56
4290346.75        6.28781
         642374.56    4290346.75        5.56298                       642414.56
4290346.75        4.96236
         642454.56    4290346.75        4.46244                       642494.56
4290346.75        4.03846
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642534.56    4290346.75        3.67480                       642574.56
4290346.75        3.35895
         642614.56    4290346.75        2.99585                       641374.56
4290386.75       10.79620
         641414.56    4290386.75       12.65978                       641454.56
4290386.75       15.02471
         641494.56    4290386.75       18.00269                       641534.56
4290386.75       21.77316
         641574.56    4290386.75       26.46937                       641614.56
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4290386.75       32.12145
         641654.56    4290386.75       38.74573                    641694.56
4290386.75       46.20816
         641734.56    4290386.75       54.49535                    641774.56
4290386.75       65.07588
         641814.56    4290386.75       73.05532                    641854.56
4290386.75       68.48921
         641894.56    4290386.75       55.69189                    641934.56
4290386.75       42.93468
         641974.56    4290386.75       32.90780                    642014.56
4290386.75       25.53259
         642054.56    4290386.75       20.14892                    642094.56
4290386.75       16.20312
         642134.56    4290386.75       13.26199                    642174.56
4290386.75       11.06425
         642214.56    4290386.75        9.37433                    642254.56
4290386.75        8.05355
         642294.56    4290386.75        7.00038                    642334.56
4290386.75        6.14628
         642374.56    4290386.75        5.44599                    642414.56
4290386.75        4.86300
         642454.56    4290386.75        4.37915                    642494.56
4290386.75        3.96768
         642534.56    4290386.75        3.61429                    642574.56
4290386.75        3.30689
         642614.56    4290386.75        3.03940                    641374.56
4290426.75       11.59612
         641414.56    4290426.75       13.76143                    641454.56
4290426.75       16.58047
         641494.56    4290426.75       20.30164                    641534.56
4290426.75       25.41818
         641574.56    4290426.75       32.27967                    641614.56
4290426.75       41.25230
         641654.56    4290426.75       52.60036                    641694.56
4290426.75       66.23020
         641734.56    4290426.75       82.45356                    641774.56
4290426.75      102.65493
         641814.56    4290426.75      108.56519                    641854.56
4290426.75       88.44864
         641894.56    4290426.75       64.16313                    641934.56
4290426.75       45.89753
         641974.56    4290426.75       33.58850                    642014.56
4290426.75       25.37513
         642054.56    4290426.75       19.75354                    642094.56
4290426.75       15.78640
         642134.56    4290426.75       12.90402                    642174.56
4290426.75       10.76411
         642214.56    4290426.75        9.12815                    642254.56
4290426.75        7.84998
         642294.56    4290426.75        6.83602                    642334.56
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4290426.75        6.01283
         642374.56    4290426.75        5.33622                       642414.56
4290426.75        4.77189
         642454.56    4290426.75        4.30048                       642494.56
4290426.75        3.90086
         642534.56    4290426.75        3.55797                       642574.56
4290426.75        3.25859
         642614.56    4290426.75        2.99923                       641374.56
4290466.75       12.40302
         641414.56    4290466.75       14.86797                       641454.56
4290466.75       18.17636
         641494.56    4290466.75       22.74326                       641534.56
4290466.75       29.38176
         641574.56    4290466.75       39.10097                       641614.56
4290466.75       53.50452
         641654.56    4290466.75       74.20914                       641694.56
4290466.75      103.14984
         641734.56    4290466.75      141.39115                       641774.56
4290466.75      185.31280
         641814.56    4290466.75      164.34747                       641854.56
4290466.75      108.54451
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                   STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         641894.56    4290466.75       69.58321                       641934.56
4290466.75       46.58619
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         641974.56    4290466.75       33.04471                    642014.56
4290466.75       24.62440
         642054.56    4290466.75       19.09996                    642094.56
4290466.75       15.27819
         642134.56    4290466.75       12.51657                    642174.56
4290466.75       10.46060
         642214.56    4290466.75        8.88818                    642254.56
4290466.75        7.65900
         642294.56    4290466.75        6.68595                    642334.56
4290466.75        5.89372
         642374.56    4290466.75        5.23927                    642414.56
4290466.75        4.69239
         642454.56    4290466.75        4.23103                    642494.56
4290466.75        3.84124
         642534.56    4290466.75        3.50763                    642574.56
4290466.75        3.21727
         642614.56    4290466.75        2.96524                    641920.09
4290522.63       51.20014
         641960.09    4290522.63       35.17313                    642000.09
4290522.63       25.78836
         642040.09    4290522.63       19.81864                    642080.09
4290522.63       15.76734
         642120.09    4290522.63       12.87151                    642160.09
4290522.63       10.73286
         642200.09    4290522.63        9.10848                    642240.09
4290522.63        7.84176
         642280.09    4290522.63        6.83483                    642320.09
4290522.63        6.01958
         642360.09    4290522.63        5.34789                    642400.09
4290522.63        4.78794
         642440.09    4290522.63        4.31540                    642480.09
4290522.63        3.91525
         642520.09    4290522.63        3.57179                    642560.09
4290522.63        3.27469
         642600.09    4290522.63        3.01568                    641920.09
4290562.63       48.93750
         641960.09    4290562.63       33.88421                    642000.09
4290562.63       25.00377
         642040.09    4290562.63       19.30355                    642080.09
4290562.63       15.40920
         642120.09    4290562.63       12.62333                    642160.09
4290562.63       10.55372
         642200.09    4290562.63        8.98176                    642240.09
4290562.63        7.74738
         642280.09    4290562.63        6.76200                    642320.09
4290562.63        5.96201
         642360.09    4290562.63        5.30275                    642400.09
4290562.63        4.75250
         642440.09    4290562.63        4.28796                    642480.09
4290562.63        3.89233
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         642520.09    4290562.63        3.55213                       642560.09
4290562.63        3.25686
         642600.09    4290562.63        2.99852                       641920.09
4290602.63       46.90480
         641960.09    4290602.63       32.84620                       642000.09
4290602.63       24.41125
         642040.09    4290602.63       18.93419                       642080.09
4290602.63       15.16555
         642120.09    4290602.63       12.45539                       642160.09
4290602.63       10.43604
         642200.09    4290602.63        8.89609                       642240.09
4290602.63        7.68326
         642280.09    4290602.63        6.71279                       642320.09
4290602.63        5.92391
         642360.09    4290602.63        5.27302                       642400.09
4290602.63        4.72905
         642440.09    4290602.63        4.26949                       642480.09
4290602.63        3.87731
         642520.09    4290602.63        3.53971                       642560.09
4290602.63        3.24657
         642600.09    4290602.63        2.98841                       641920.09
4290642.63       43.95849
         641960.09    4290642.63       31.37149                       642000.09
4290642.63       23.59675
         642040.09    4290642.63       18.45086                       642080.09
4290642.63       14.86256
         642120.09    4290642.63       12.25568                       642160.09
4290642.63       10.30121
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF TOG      IN MICROGRAMS/M**3
                    **
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       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         642200.09    4290642.63        8.80091                       642240.09
4290642.63        7.61417
         642280.09    4290642.63        6.66199                       642320.09
4290642.63        5.88577
         642360.09    4290642.63        5.24391                       642400.09
4290642.63        4.70659
         642440.09    4290642.63        4.25190                       642480.09
4290642.63        3.86346
         642520.09    4290642.63        3.52859                       642560.09
4290642.63        3.23760
         642600.09    4290642.63        2.98182                       641920.09
4290682.63       39.88407
         641960.09    4290682.63       29.16025                       642000.09
4290682.63       22.31331
         642040.09    4290682.63       17.66734                       642080.09
4290682.63       14.36328
         642120.09    4290682.63       11.92646                       642160.09
4290682.63       10.07868
         642200.09    4290682.63        8.64560                       642240.09
4290682.63        7.50313
         642280.09    4290682.63        6.58140                       642320.09
4290682.63        5.82632
         642360.09    4290682.63        5.19953                       642400.09
4290682.63        4.67299
         642440.09    4290682.63        4.22619                       642480.09
4290682.63        3.84355
         642520.09    4290682.63        3.51313                       642560.09
4290682.63        3.22552
         642600.09    4290682.63        2.97270                       641920.09
4290722.63       35.50945
         641960.09    4290722.63       26.59847                       642000.09
4290722.63       20.71611
         642040.09    4290722.63       16.62931                       642080.09
4290722.63       13.66854
         642120.09    4290722.63       11.44964                       642160.09
4290722.63        9.74601
         642200.09    4290722.63        8.40808                       642240.09
4290722.63        7.33091
         642280.09    4290722.63        6.45430                       642320.09
4290722.63        5.73136
         642360.09    4290722.63        5.12763                       642400.09
4290722.63        4.61803
         642440.09    4290722.63        4.18385                       642480.09
4290722.63        3.81064
         642520.09    4290722.63        3.48732                       642560.09
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4290722.63        3.20520
         642600.09    4290722.63        2.95688                        641920.09
4290762.63       31.52543
         641960.09    4290762.63       24.10021                        642000.09
4290762.63       19.06228
         642040.09    4290762.63       15.49122                        642080.09
4290762.63       12.86373
         642120.09    4290762.63       10.87127                        642160.09
4290762.63        9.32474
         642200.09    4290762.63        8.09618                        642240.09
4290762.63        7.09808
         642280.09    4290762.63        6.27860                        642320.09
4290762.63        5.59728
         642360.09    4290762.63        5.02426                        642400.09
4290762.63        4.53765
         642440.09    4290762.63        4.12072                        642480.09
4290762.63        3.76058
         642520.09    4290762.63        3.44748                        642560.09
4290762.63        3.17332
         642600.09    4290762.63        2.93147                        641920.09
4290802.63       28.05176
         641960.09    4290802.63       21.84421                        642000.09
4290802.63       17.52277
         642040.09    4290802.63       14.39100                        642080.09
4290802.63       12.05272
         642120.09    4290802.63       10.26051                        642160.09
4290802.63        8.85948
         642200.09    4290802.63        7.73809                        642240.09
4290802.63        6.82163
         642280.09    4290802.63        6.06378                        642320.09
4290802.63        5.42925
         642360.09    4290802.63        4.89187                        642400.09
4290802.63        4.43259
         642440.09    4290802.63        4.03675                        642480.09
4290802.63        3.69317
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
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,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
642520.09	4290802.63	3.39297	642560.09	4290802.63	3.12899
642600.09	4290802.63	2.89535	641920.09	4290842.63	25.07161
641960.09	4290842.63	19.85888	642000.09	4290842.63	16.13274
642040.09	4290842.63	13.38675	642080.09	4290842.63	11.29733
642120.09	4290842.63	9.67232	642160.09	4290842.63	8.39615
642200.09	4290842.63	7.36843	642240.09	4290842.63	6.52561
642280.09	4290842.63	5.82618	642320.09	4290842.63	5.23793
642360.09	4290842.63	4.73745	642400.09	4290842.63	4.30749
642440.09	4290842.63	3.93501	642480.09	4290842.63	3.61005
642520.09	4290842.63	3.32473	642560.09	4290842.63	3.07261
642600.09	4290842.63	2.84894	641920.09	4290882.63	22.45006
641960.09	4290882.63	18.07846	642000.09	4290882.63	14.87749
642040.09	4290882.63	12.46706	642080.09	4290882.63	10.60776
642120.09	4290882.63	9.14486	642160.09	4290882.63	7.96323
642200.09	4290882.63	7.01361	642240.09	4290882.63	6.23295
642280.09	4290882.63	5.58378	642320.09	4290882.63	5.03691
642360.09	4290882.63	4.57070	642400.09	4290882.63	4.16924
642440.09	4290882.63	3.82025	642480.09	4290882.63	3.51457
642520.09	4290882.63	3.24512	642560.09	4290882.63	3.00614

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         642600.09    4290882.63        2.79315                      641450.64
4290754.44       23.79644
         641490.64    4290754.44       31.89031                      641530.64
4290754.44       45.15348
         641570.64    4290754.44       67.42433                      641610.64
4290754.44      103.98600
         641650.64    4290754.44      153.27058                      641450.64
4290794.44       24.62573
         641490.64    4290794.44       33.03365                      641530.64
4290794.44       45.98482
         641570.64    4290794.44       65.34967                      641610.64
4290794.44       91.04772
         641650.64    4290794.44      117.24796                      641450.64
4290834.44       25.24561
         641490.64    4290834.44       33.39862                      641530.64
4290834.44       44.90910
         641570.64    4290834.44       59.98471                      641610.64
4290834.44       76.81213
         641650.64    4290834.44       90.58714

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUELING/ ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        641284.31   4290506.68       96.39336  (16012421)                641324.31
 4290506.68      109.99180  (16012421)
        641364.31   4290506.68      126.14732  (14022219)                641404.31
 4290506.68      148.14475  (14022219)
        641284.31   4290546.68       98.36832  (14120903)                641324.31
 4290546.68      111.67951  (14120717)
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       641364.31   4290546.68      128.95263  (14120717)                641404.31
4290546.68      150.84279  (14120717)
       641284.31   4290586.68       92.57170  (16021202)                641324.31
4290586.68      104.77555  (16021202)
       641364.31   4290586.68      120.08437  (16021202)                641404.31
4290586.68      139.77787  (18020518)
       641284.31   4290626.68       89.26920  (14011303)                641324.31
4290626.68      101.53391  (15011919)
       641364.31   4290626.68      117.77902  (15011919)                641404.31
4290626.68      137.09665  (15011919)
       641284.31   4290666.68       88.68905  (14010721)                641324.31
4290666.68      100.16903  (16022805)
       641364.31   4290666.68      115.59233  (14013020)                641404.31
4290666.68      133.29901  (14013020)
       641284.31   4290706.68       86.42360  (14013020)                641324.31
4290706.68       97.43980  (17021218)
       641364.31   4290706.68      111.15318  (14120908)                641404.31
4290706.68      128.16633  (18020921)
       641284.31   4290746.68       84.21604  (18020921)                641324.31
4290746.68       94.23148  (18020921)
       641364.31   4290746.68      104.31589  (18020104)                641404.31
4290746.68      120.85400  (17020822)
       641284.31   4290786.68       79.99516  (18020104)                641324.31
4290786.68       90.01726  (17020822)
       641364.31   4290786.68       98.49772  (15021802)                641404.31
4290786.68      103.19395  (15021802)
       641284.31   4290826.68       76.36871  (15021802)                641324.31
4290826.68       80.59961  (15021802)
       641364.31   4290826.68       78.32811  (15021802)                641404.31
4290826.68       85.27169  (17021620)
       641284.31   4290866.68       65.13404  (15021802)                641324.31
4290866.68       65.25217  (17021621)
       641364.31   4290866.68       71.93388  (17021620)                641404.31
4290866.68       78.00533  (18010924)
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4290889.76       72.10135  (18010924)
       641428.28   4290889.76       78.72017  (14120505)                641468.28
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       641508.28   4290889.76       94.37368  (18020218)                641548.28
4290889.76      101.25719  (18020802)
       641588.28   4290889.76       95.52326  (18042320)                641628.28
4290889.76      101.15424  (18052903)
       642188.28   4290889.76       58.42050  (16011624)                642228.28
4290889.76       56.25266  (16020921)
       642268.28   4290889.76       55.82487  (16020921)                642308.28
4290889.76       53.38505  (15010721)
       642348.28   4290889.76       49.04429  (15010721)                642388.28
4290889.76       47.05780  (16011701)
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 4290929.76       61.64119  (18010924)
       641388.28   4290929.76       66.57049  (14120505)               641428.28
 4290929.76       71.74799  (16021701)
       641468.28   4290929.76       77.38932  (18020218)               641508.28
 4290929.76       83.45815  (16021024)
       641548.28   4290929.76       84.70734  (14020502)               641588.28
 4290929.76       82.87727  (18080523)
       641628.28   4290929.76       89.81282  (17031618)               642188.28
 4290929.76       55.03863  (16013022)
       642228.28   4290929.76       50.94467  (18010219)               642268.28
 4290929.76       47.30441  (16011624)
       642308.28   4290929.76       47.73993  (16020921)               642348.28
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 4290969.76       70.31962  (18020218)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUELING/ ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       641508.28   4290969.76       74.11355  (18020802)               641548.28
 4290969.76       69.51404  (18042320)
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       641668.28   4290969.76       87.88424  (17031618)                641708.28
4290969.76       86.52056  (17111516)
       641748.28   4290969.76       81.47427  (14122304)                641788.28
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       641828.28   4290969.76       80.40643  (18020320)                641868.28
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       641908.28   4290969.76       73.46211  (14120806)                641948.28
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4290969.76       40.97825  (16020921)
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       641388.28   4291009.76       56.93777  (16021701)                641428.28
4291009.76       61.02113  (18020218)
       641468.28   4291009.76       64.10071  (18020802)                641508.28
4291009.76       63.09421  (14020502)
       641548.28   4291009.76       62.05310  (18080523)                641588.28
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       641948.28   4291009.76       62.60694  (14011518)                642188.28
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4291009.76       35.74562  (16020921)
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4291049.76       53.06875  (18020218)
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4291049.76       55.42295  (14121005)
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       641828.28   4291049.76       61.69950  (14010818)               641868.28
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 4291049.76       34.12457  (18010219)
       642428.28   4291049.76       32.40679  (16011624)               641268.28
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       641308.28   4291089.76       44.43216  (16021701)               641348.28
 4291089.76       46.32329  (18020218)
       641388.28   4291089.76       48.74467  (15020718)               641428.28
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUELING/ ***
                                   INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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641868.28 4291089.76 55.20611 (18020320) 641908.28 4291089.76 52.99814 (14012619)
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642028.28 4291089.76 51.30745 (17021519) 642068.28 4291089.76 50.68830 (15021022)
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 4290266.75      196.51106  (18012817)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUELING/ ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF TOG      IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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642054.56	4290266.75	103.93787	(15021324)	642094.56	4290266.75	93.91243	(16022123)
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642294.56	4290266.75	61.36215	(18020924)	642334.56	4290266.75	53.80023	(18020924)
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641574.56	4290306.75	199.62079	(14021718)	641614.56	4290306.75	213.68864	(18020119)
641654.56	4290306.75	231.17972	(14021719)	641694.56	4290306.75	240.34498	(14020301)
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641894.56	4290306.75	201.98411	(18012817)	641934.56	4290306.75	153.60044	(14022106)
641974.56	4290306.75	141.88846	(14021320)	642014.56	4290306.75	126.22366	(15021324)
642054.56	4290306.75	112.06361	(18120403)	642094.56	4290306.75	101.70888	(16121403)
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       642134.56   4290346.75       98.40899  (18020924)               642174.56
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       642454.56   4290346.75       36.61051  (14012924)               642494.56
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUELING/ ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
642534.56	4290346.75	31.64647	(14012924)	642574.56	4290346.75	29.46798	(18011619)
642614.56	4290346.75	31.70442	(17021401)	641374.56	4290386.75	117.45285	(14120218)
641414.56	4290386.75	150.83719	(14120218)	641454.56	4290386.75	175.19661	(14020619)
641494.56	4290386.75	200.09407	(14022803)	641534.56	4290386.75	233.87268	(14022218)
641574.56	4290386.75	274.89664	(18020418)	641614.56	4290386.75	309.42282	(16010301)
641654.56	4290386.75	352.63769	(18020119)	641694.56	4290386.75	388.84862	(15120619)
641734.56	4290386.75	416.88449	(18052819)	641774.56	4290386.75	411.66287	(14051219)
641814.56	4290386.75	507.60333	(18012817)	641854.56	4290386.75	364.67669	(18012817)
641894.56	4290386.75	255.19310	(17013117)	641934.56	4290386.75	205.95095	(15021324)
641974.56	4290386.75	180.97589	(17013017)	642014.56	4290386.75	187.84816	(17013017)
642054.56	4290386.75	137.14205	(17013017)	642094.56	4290386.75	113.79024	(18020924)
642134.56	4290386.75	89.69521	(18020924)	642174.56	4290386.75	69.64370	(18020123)
642214.56	4290386.75	62.41395	(18013122)	642254.56	4290386.75	55.62642	(15011420)
642294.56	4290386.75	51.50996	(14013001)	642334.56	4290386.75	47.56248	(14012924)
642374.56	4290386.75	43.58326	(14012924)	642414.56	4290386.75	39.73483	(17021401)
642454.56	4290386.75	37.08110	(18011619)	642494.56	4290386.75	34.57336	(18011619)
642534.56	4290386.75	32.39422	(15020222)	642574.56	4290386.75	30.26716	(15020222)
642614.56	4290386.75	28.20786	(15020222)	641374.56	4290426.75	121.59127	(14120420)
641414.56	4290426.75	140.00298	(18033018)	641454.56	4290426.75	167.74481	(14120218)
641494.56	4290426.75	220.88431	(14120218)	641534.56	4290426.75	260.45369	(14022803)

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       641574.56   4290426.75      319.44034  (14022218)               641614.56
 4290426.75      390.71499  (18020418)
       641654.56   4290426.75      459.91480  (16022819)               641694.56
 4290426.75      528.27613  (14021719)
       641734.56   4290426.75      618.55705  (18052819)               641774.56
 4290426.75      561.70990  (18012817)
       641814.56   4290426.75      741.01764  (18012817)               641854.56
 4290426.75      375.60762  (17013117)
       641894.56   4290426.75      289.71352  (17013117)               641934.56
 4290426.75      298.32697  (17013017)
       641974.56   4290426.75      248.40169  (17013017)               642014.56
 4290426.75      163.72391  (18020924)
       642054.56   4290426.75      123.75958  (18020924)               642094.56
 4290426.75       93.53128  (18013122)
       642134.56   4290426.75       80.74265  (18013122)               642174.56
 4290426.75       72.63815  (14013001)
       642214.56   4290426.75       65.53348  (14012924)               642254.56
 4290426.75       58.44984  (14012924)
       642294.56   4290426.75       52.95301  (18011619)               642334.56
 4290426.75       48.38366  (15020222)
       642374.56   4290426.75       44.48765  (15020222)               642414.56
 4290426.75       40.74298  (15020222)
       642454.56   4290426.75       37.25301  (15020222)               642494.56
 4290426.75       34.55692  (18120621)
       642534.56   4290426.75       32.38601  (18120621)               642574.56
 4290426.75       30.30170  (18120621)
       642614.56   4290426.75       28.35294  (18120621)               641374.56
 4290466.75      125.93798  (15121122)
       641414.56   4290466.75      146.52032  (18020818)               641454.56
 4290466.75      172.07731  (17122617)
       641494.56   4290466.75      229.67454  (18033018)               641534.56
 4290466.75      269.73778  (18033018)
       641574.56   4290466.75      368.29640  (14120218)               641614.56
 4290466.75      467.61571  (15120808)
       641654.56   4290466.75      613.34160  (18020418)               641694.56
 4290466.75      820.01107  (14032018)
       641734.56   4290466.75     1020.72366  (18052819)               641774.56
 4290466.75     1293.02005  (18012817)
       641814.56   4290466.75      840.72768  (18012817)               641854.56
 4290466.75      493.70906  (17013117)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUELING/ ***
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                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL13       , VOL14       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        641894.56   4290466.75      500.44117  (17013017)                641934.56
 4290466.75      293.52691  (17013017)
        641974.56   4290466.75      186.53519  (18020924)                642014.56
 4290466.75      140.87821  (15011516)
        642054.56   4290466.75      125.17791  (15011516)                642094.56
 4290466.75      103.57970  (15011516)
        642134.56   4290466.75       85.40211  (18011619)                642174.56
 4290466.75       75.45570  (15020222)
        642214.56   4290466.75       67.06918  (15020222)                642254.56
 4290466.75       59.43251  (15020222)
        642294.56   4290466.75       53.52032  (18120621)                642334.56
 4290466.75       48.82528  (18120621)
        642374.56   4290466.75       44.53546  (18120621)                642414.56
 4290466.75       40.64526  (18120621)
        642454.56   4290466.75       37.90533  (14120819)                642494.56
 4290466.75       35.41735  (14120819)
        642534.56   4290466.75       33.13729  (14120819)                642574.56
 4290466.75       31.02627  (14120819)
        642614.56   4290466.75       29.09870  (14120819)                641920.09
 4290522.63      351.85335  (15011516)
        641960.09   4290522.63      226.14055  (15011516)                642000.09
 4290522.63      156.18117  (18120621)
        642040.09   4290522.63      128.25012  (18120621)                642080.09
 4290522.63      109.16262  (14120819)
        642120.09   4290522.63       94.05282  (14120819)                642160.09
 4290522.63       81.76871  (14120819)
        642200.09   4290522.63       71.70009  (14120819)                642240.09
 4290522.63       63.35601  (14120819)
        642280.09   4290522.63       56.55912  (15121617)                642320.09
 4290522.63       51.18003  (15121617)
        642360.09   4290522.63       46.61745  (16020422)                642400.09
 4290522.63       42.95768  (18022719)
        642440.09   4290522.63       40.05097  (18022719)                642480.09
 4290522.63       37.47502  (18022719)
        642520.09   4290522.63       35.16708  (18022719)                642560.09
 4290522.63       33.09196  (18022719)
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       642600.09   4290522.63       31.21733  (18022719)                641920.09
 4290562.63      316.32331  (18022719)
       641960.09   4290562.63      240.43592  (18022719)                642000.09
 4290562.63      191.09395  (18022719)
       642040.09   4290562.63      156.86617  (18022719)                642080.09
 4290562.63      131.93811  (18022719)
       642120.09   4290562.63      113.10159  (18022719)                642160.09
 4290562.63       98.42620  (18022719)
       642200.09   4290562.63       86.77982  (18022719)                642240.09
 4290562.63       77.28822  (18022719)
       642280.09   4290562.63       69.44375  (18022719)                642320.09
 4290562.63       62.86989  (18022719)
       642360.09   4290562.63       57.29250  (18022719)                642400.09
 4290562.63       52.51061  (18022719)
       642440.09   4290562.63       48.37156  (18022719)                642480.09
 4290562.63       44.76416  (18022719)
       642520.09   4290562.63       41.59467  (18022719)                642560.09
 4290562.63       38.78647  (18022719)
       642600.09   4290562.63       36.27988  (18022719)                641920.09
 4290602.63      327.51083  (15032618)
       641960.09   4290602.63      250.13331  (16021319)                642000.09
 4290602.63      198.04729  (16021319)
       642040.09   4290602.63      160.30280  (16021319)                642080.09
 4290602.63      134.39684  (14120824)
       642120.09   4290602.63      115.21339  (14120824)                642160.09
 4290602.63       99.99557  (14120824)
       642200.09   4290602.63       87.75272  (14120824)                642240.09
 4290602.63       77.94275  (16011023)
       642280.09   4290602.63       70.18165  (16012522)                642320.09
 4290602.63       63.76440  (16012522)
       642360.09   4290602.63       58.26720  (16012522)                642400.09
 4290602.63       53.51574  (16012522)
       642440.09   4290602.63       49.37731  (16012522)                642480.09
 4290602.63       45.74589  (16012522)
       642520.09   4290602.63       42.53915  (16012522)                642560.09
 4290602.63       39.68774  (16012522)
       642600.09   4290602.63       37.11400  (16012522)                641920.09
 4290642.63      297.68731  (14120720)
       641960.09   4290642.63      229.63826  (14013003)                642000.09
 4290642.63      188.99371  (14013003)
       642040.09   4290642.63      153.92098  (18010417)                642080.09
 4290642.63      130.45581  (17123120)
       642120.09   4290642.63      112.94058  (14013008)                642160.09
 4290642.63       98.88509  (14013008)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08

                                PAGE  62
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUELING/ ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL13       , VOL14       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        642200.09   4290642.63       88.55296  (16021319)               642240.09
 4290642.63       79.40779  (16021319)
        642280.09   4290642.63       71.38192  (16021319)               642320.09
 4290642.63       64.35557  (16021319)
        642360.09   4290642.63       58.20238  (16021319)               642400.09
 4290642.63       52.80505  (16021319)
        642440.09   4290642.63       48.63350  (14120824)               642480.09
 4290642.63       45.19662  (14120824)
        642520.09   4290642.63       42.09745  (14120824)               642560.09
 4290642.63       39.29557  (14120824)
        642600.09   4290642.63       36.74246  (14120824)               641920.09
 4290682.63      254.79120  (16021917)
        641960.09   4290682.63      209.79225  (16011701)               642000.09
 4290682.63      175.65683  (18010422)
        642040.09   4290682.63      148.02418  (14120720)               642080.09
 4290682.63      124.00937  (16121108)
        642120.09   4290682.63      110.34145  (14013003)               642160.09
 4290682.63       96.41643  (14013003)
        642200.09   4290682.63       84.47158  (18010417)               642240.09
 4290682.63       75.60491  (17123120)
        642280.09   4290682.63       68.37783  (17123120)               642320.09
 4290682.63       62.25966  (14013008)
        642360.09   4290682.63       57.24821  (14013008)               642400.09
 4290682.63       52.56161  (14013008)
        642440.09   4290682.63       48.96596  (16021319)               642480.09
 4290682.63       45.70647  (16021319)
        642520.09   4290682.63       42.65712  (16021319)               642560.09
 4290682.63       39.81842  (16021319)
        642600.09   4290682.63       37.17565  (16021319)               641920.09
 4290722.63      195.00177  (16121022)
        641960.09   4290722.63      173.94807  (16021917)               642000.09
 4290722.63      155.89670  (15010721)
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       642040.09   4290722.63      135.96334  (16011701)                642080.09
4290722.63      120.02231  (16011701)
       642120.09   4290722.63      104.62393  (14120720)                642160.09
4290722.63       92.42285  (14120720)
       642200.09   4290722.63       81.22819  (16121108)                642240.09
4290722.63       74.56059  (14013003)
       642280.09   4290722.63       67.93005  (14013003)                642320.09
4290722.63       61.14567  (14013003)
       642360.09   4290722.63       55.59490  (18010417)                642400.09
4290722.63       50.92746  (17123120)
       642440.09   4290722.63       47.44008  (17123120)                642480.09
4290722.63       44.00933  (17123120)
       642520.09   4290722.63       41.00791  (14013008)                642560.09
4290722.63       38.61114  (14013008)
       642600.09   4290722.63       36.27616  (14013008)                641920.09
4290762.63      166.03885  (14021018)
       641960.09   4290762.63      144.80869  (16121022)                642000.09
4290762.63      123.51184  (17010422)
       642040.09   4290762.63      117.00682  (16020921)                642080.09
4290762.63      109.26443  (15010721)
       642120.09   4290762.63       97.63464  (16011701)                642160.09
4290762.63       89.10888  (16011701)
       642200.09   4290762.63       79.28110  (16021218)                642240.09
4290762.63       72.20189  (14120720)
       642280.09   4290762.63       64.77633  (14120720)                642320.09
4290762.63       58.71476  (16121108)
       642360.09   4290762.63       54.74766  (14013003)                642400.09
4290762.63       51.14114  (14013003)
       642440.09   4290762.63       47.25294  (14013003)                642480.09
4290762.63       43.30040  (14013003)
       642520.09   4290762.63       40.31754  (18010417)                642560.09
4290762.63       37.50751  (18010417)
       642600.09   4290762.63       35.40125  (17123120)                641920.09
4290802.63      142.69237  (14013002)
       641960.09   4290802.63      126.37255  (14021018)                642000.09
4290802.63      112.95776  (16121022)
       642040.09   4290802.63       98.17427  (16013022)                642080.09
4290802.63       88.08210  (16020921)
       642120.09   4290802.63       87.96594  (16020921)                642160.09
4290802.63       82.04276  (15010721)
       642200.09   4290802.63       74.71889  (16011701)                642240.09
4290802.63       69.64975  (16011701)
       642280.09   4290802.63       63.15818  (18010422)                642320.09
4290802.63       57.89771  (14120720)
       642360.09   4290802.63       53.62259  (14120720)                642400.09
4290802.63       48.67169  (16121108)
       642440.09   4290802.63       45.12785  (16121108)                642480.09
4290802.63       42.43237  (14013003)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUELING/ ***
INCLUDING SOURCE(S):   VOL1   , VOL2   , VOL3   , VOL4   , VOL5   ,
VOL6   , VOL13   , VOL14   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
642520.09	4290802.63	40.28857	(14013003)	642560.09	4290802.63	37.88413	(14013003)
642600.09	4290802.63	35.34520	(14013003)	641920.09	4290842.63	123.34419	(14120407)
641960.09	4290842.63	110.83746	(17021520)	642000.09	4290842.63	100.55936	(14021018)
642040.09	4290842.63	91.47594	(15021919)	642080.09	4290842.63	81.26205	(16013022)
642120.09	4290842.63	73.47757	(18010219)	642160.09	4290842.63	70.99613	(16020921)
642200.09	4290842.63	69.09107	(15010721)	642240.09	4290842.63	64.54387	(15010721)
642280.09	4290842.63	59.66396	(16011701)	642320.09	4290842.63	56.44079	(16011701)
642360.09	4290842.63	51.98585	(18010422)	642400.09	4290842.63	47.88129	(16021218)
642440.09	4290842.63	44.99613	(14120720)	642480.09	4290842.63	41.84164	(14120720)
642520.09	4290842.63	38.61680	(16121108)	642560.09	4290842.63	36.16070	(16121108)
642600.09	4290842.63	34.14906	(14013003)	641920.09	4290882.63	105.18845	(16121222)
641960.09	4290882.63	98.70332	(14013002)	642000.09	4290882.63	90.51654	(17021520)
642040.09	4290882.63	82.59315	(14021018)	642080.09	4290882.63	76.19786	(15021919)
642120.09	4290882.63	68.37707	(16013022)	642160.09	4290882.63	62.65677	(17010422)

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       642200.09   4290882.63       57.52513  (16011624)                642240.09
 4290882.63       58.29805  (16020921)
       642280.09   4290882.63       56.29150  (15010721)                642320.09
 4290882.63       52.50602  (15010721)
       642360.09   4290882.63       49.14413  (16011701)                642400.09
 4290882.63       46.99027  (16011701)
       642440.09   4290882.63       43.74248  (18010422)                642480.09
 4290882.63       40.71404  (16021218)
       642520.09   4290882.63       38.24155  (14120720)                642560.09
 4290882.63       36.22962  (14120720)
       642600.09   4290882.63       33.81829  (14120720)                641450.64
 4290754.44      129.82545  (15021802)
       641490.64   4290754.44      137.39912  (15011116)                641530.64
 4290754.44      150.72959  (15021624)
       641570.64   4290754.44      174.95049  (14121223)                641610.64
 4290754.44      206.51244  (18020218)
       641650.64   4290754.44      215.57191  (14020502)                641450.64
 4290794.44      104.52913  (17021620)
       641490.64   4290794.44      117.28440  (18010924)                641530.64
 4290794.44      132.55986  (14121223)
       641570.64   4290794.44      150.16291  (18020218)                641610.64
 4290794.44      167.58678  (18020802)
       641650.64   4290794.44      168.95231  (18102717)                641450.64
 4290834.44       94.49882  (18010924)
       641490.64   4290834.44      104.66245  (14121223)                641530.64
 4290834.44      116.92893  (16021701)
       641570.64   4290834.44      128.87941  (16021024)                641610.64
 4290834.44      127.90015  (14020502)
       641650.64   4290834.44      142.65877  (17031618)

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SPILL    ***
                                 INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF TOG      IN MICROGRAMS/M**3
                  **
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      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        641284.31   4290506.68       96.38029  (16012421)               641324.31
 4290506.68      109.98503  (16012421)
        641364.31   4290506.68      126.12432  (14022219)               641404.31
 4290506.68      148.13548  (14022219)
        641284.31   4290546.68       98.36442  (14120903)               641324.31
 4290546.68      111.66672  (14120717)
        641364.31   4290546.68      128.94190  (14120717)               641404.31
 4290546.68      150.83662  (14120717)
        641284.31   4290586.68       92.54071  (16021202)               641324.31
 4290586.68      104.73716  (16021202)
        641364.31   4290586.68      120.03571  (16021202)               641404.31
 4290586.68      139.75883  (18020518)
        641284.31   4290626.68       89.25660  (14011303)               641324.31
 4290626.68      101.53921  (15011919)
        641364.31   4290626.68      117.77657  (15011919)               641404.31
 4290626.68      137.08078  (15011919)
        641284.31   4290666.68       88.68422  (14010721)               641324.31
 4290666.68      100.16221  (16022805)
        641364.31   4290666.68      115.58994  (14013020)               641404.31
 4290666.68      133.27744  (14013020)
        641284.31   4290706.68       86.40727  (14013020)               641324.31
 4290706.68       97.43177  (17021218)
        641364.31   4290706.68      111.14496  (14120908)               641404.31
 4290706.68      128.15431  (18020921)
        641284.31   4290746.68       84.21499  (18020921)               641324.31
 4290746.68       94.21794  (18020921)
        641364.31   4290746.68      104.31296  (18020104)               641404.31
 4290746.68      120.83699  (17020822)
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 4290786.68       90.00727  (17020822)
        641364.31   4290786.68       98.48338  (15021802)               641404.31
 4290786.68      103.15973  (15021802)
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 4290826.68       80.58053  (15021802)
        641364.31   4290826.68       78.29685  (15021802)               641404.31
 4290826.68       85.26423  (17021620)
        641284.31   4290866.68       65.11449  (15021802)               641324.31
 4290866.68       65.24460  (17021621)
        641364.31   4290866.68       71.92561  (17021620)               641404.31
 4290866.68       77.99779  (18010924)
        641268.28   4290889.76       56.64570  (15021802)               641308.28
 4290889.76       60.45728  (15011924)
        641348.28   4290889.76       66.36931  (17021620)               641388.28
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       642188.28   4290889.76       58.41592  (16011624)                642228.28
 4290889.76       56.23441  (16020921)
       642268.28   4290889.76       55.81775  (16020921)                642308.28
 4290889.76       53.38259  (15010721)
       642348.28   4290889.76       49.04914  (15010721)                642388.28
 4290889.76       47.05268  (16011701)
       642428.28   4290889.76       44.59121  (16011701)                641268.28
 4290929.76       53.10954  (17021620)
       641308.28   4290929.76       57.15730  (15020801)                641348.28
 4290929.76       61.63380  (18010924)
       641388.28   4290929.76       66.56187  (14120505)                641428.28
 4290929.76       71.74091  (16021701)
       641468.28   4290929.76       77.38070  (18020218)                641508.28
 4290929.76       83.44571  (16021024)
       641548.28   4290929.76       84.69126  (14020502)                641588.28
 4290929.76       82.86230  (18080523)
       641628.28   4290929.76       89.78474  (17031618)                642188.28
 4290929.76       55.03719  (16013022)
       642228.28   4290929.76       50.94134  (18010219)                642268.28
 4290929.76       47.30576  (16011624)
       642308.28   4290929.76       47.72916  (16020921)                642348.28
 4290929.76       46.63513  (15010721)
       642388.28   4290929.76       44.65005  (15010721)                642428.28
 4290929.76       41.15342  (15010721)
       641268.28   4290969.76       49.88251  (15021624)                641308.28
 4290969.76       53.52168  (18010924)
       641348.28   4290969.76       57.37451  (14120505)                641388.28
 4290969.76       61.34309  (17021219)
       641428.28   4290969.76       65.26390  (16021701)                641468.28
 4290969.76       70.30838  (18020218)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SPILL    ***
                                 INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF TOG IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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641668.28	4290969.76	87.86948	(17031618)	641708.28	4290969.76	86.50416	(17111516)
641748.28	4290969.76	81.45925	(14122304)	641788.28	4290969.76	82.56783	(14120401)
641828.28	4290969.76	80.39003	(18020320)	641868.28	4290969.76	76.80134	(14012619)
641908.28	4290969.76	73.45461	(14120806)	641948.28	4290969.76	73.22656	(17021519)
642188.28	4290969.76	52.56120	(16121022)	642228.28	4290969.76	48.19105	(16013022)
642268.28	4290969.76	45.00501	(17010422)	642308.28	4290969.76	42.19318	(16011624)
642348.28	4290969.76	40.53297	(16020921)	642388.28	4290969.76	40.97188	(16020921)
642428.28	4290969.76	39.89414	(15010721)	641268.28	4291009.76	47.00331	(18010924)
641308.28	4291009.76	50.18662	(14120505)	641348.28	4291009.76	53.34950	(17021219)
641388.28	4291009.76	56.92998	(16021701)	641428.28	4291009.76	61.01338	(18020218)
641468.28	4291009.76	64.09248	(18020802)	641508.28	4291009.76	63.08392	(14020502)
641548.28	4291009.76	62.04390	(18080523)	641588.28	4291009.76	64.65000	(18052903)
641628.28	4291009.76	73.23750	(17031618)	641668.28	4291009.76	71.43895	(17031618)
641708.28	4291009.76	73.31320	(17111516)	641748.28	4291009.76	71.13974	(14122304)
641788.28	4291009.76	72.35764	(14120401)	641828.28	4291009.76	69.80794	(14010818)
641868.28	4291009.76	67.51065	(17021619)	641908.28	4291009.76	65.45421	(14122319)
641948.28	4291009.76	62.59647	(14011518)	642188.28	4291009.76	48.65060	(15021919)
642228.28	4291009.76	46.33564	(16121022)	642268.28	4291009.76	42.68994	(14013104)
642308.28	4291009.76	39.97432	(17010422)	642348.28	4291009.76	37.83147	(18010219)

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       641348.28   4291049.76       50.11371  (16021701)               641388.28
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 4291049.76       56.91118  (18020802)
       641508.28   4291049.76       53.66057  (18042320)               641548.28
 4291049.76       55.41524  (14121005)
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       642268.28   4291049.76       41.25376  (15021919)               642308.28
 4291049.76       38.42490  (14013104)
       642348.28   4291049.76       36.07251  (16013022)               642388.28
 4291049.76       34.12376  (17010422)
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 4291089.76       41.66790  (17021219)
       641308.28   4291089.76       44.42786  (16021701)               641348.28
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       641388.28   4291089.76       48.73971  (15020718)               641428.28
 4291089.76       51.12336  (18020802)
       641468.28   4291089.76       49.25822  (14020502)               641508.28
 4291089.76       48.75521  (14012318)
       641548.28   4291089.76       50.46364  (15072824)               641588.28
 4291089.76       52.51660  (15032919)
       641628.28   4291089.76       56.38528  (17031618)               641668.28
 4291089.76       55.30814  (16020818)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SPILL    ***
                                  INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
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                VOL12       , VOL15       , VOL17       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        641948.28   4291089.76       51.19371  (14120806)               641988.28
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       641974.56   4290226.75      113.14330  (16012520)               642014.56
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       641654.56   4290266.75      194.44957  (15120619)               641694.56
 4290266.75      196.67107  (16022921)
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       641814.56   4290266.75      186.22783  (18010318)               641854.56
 4290266.75      196.58224  (18012817)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***       13:19:08

                                  PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SPILL    ***
                                    INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 4290266.75      149.49697  (16012520)
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        642454.56   4290266.75       34.55155  (18020123)               642494.56
 4290266.75       32.34776  (18013122)
        642534.56   4290266.75       30.14073  (18013122)               642574.56
 4290266.75       27.93755  (17012601)
        642614.56   4290266.75       26.62189  (14013001)               641374.56
 4290306.75      118.74195  (14022803)
        641414.56   4290306.75      130.21441  (15120808)               641454.56
 4290306.75      145.33280  (18020702)
        641494.56   4290306.75      163.55782  (18020418)               641534.56
 4290306.75      179.18014  (15021323)
        641574.56   4290306.75      199.66131  (14021718)               641614.56
 4290306.75      213.70672  (18020119)
        641654.56   4290306.75      231.24574  (14021719)               641694.56
 4290306.75      240.42672  (14020301)
        641734.56   4290306.75      246.60802  (18010719)               641774.56
 4290306.75      252.49527  (14051219)
        641814.56   4290306.75      223.71606  (15012720)               641854.56
 4290306.75      264.98476  (18012817)
        641894.56   4290306.75      202.05820  (18012817)               641934.56
 4290306.75      153.65025  (14022106)
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       641974.56   4290306.75      141.92909  (14021320)               642014.56
 4290306.75      126.25822  (15021324)
       642054.56   4290306.75      112.09173  (18120403)               642094.56
 4290306.75      101.73017  (16121403)
       642134.56   4290306.75       98.82080  (17013017)               642174.56
 4290306.75       83.91645  (18122307)
       642214.56   4290306.75       76.38851  (18020924)               642254.56
 4290306.75       66.39195  (18020924)
       642294.56   4290306.75       55.11917  (18020924)               642334.56
 4290306.75       44.21153  (18020924)
       642374.56   4290306.75       40.99031  (18020123)               642414.56
 4290306.75       37.97083  (18013122)
       642454.56   4290306.75       34.82067  (17012601)               642494.56
 4290306.75       32.70363  (14013001)
       642534.56   4290306.75       31.04868  (14013001)               642574.56
 4290306.75       29.36010  (14012924)
       642614.56   4290306.75       30.14673  (14012924)               641374.56
 4290346.75      127.77801  (14120218)
       641414.56   4290346.75      141.28067  (14012224)               641454.56
 4290346.75      156.36266  (14022803)
       641494.56   4290346.75      181.27336  (14022218)               641534.56
 4290346.75      207.44204  (18020418)
       641574.56   4290346.75      230.22565  (18121506)               641614.56
 4290346.75      261.12472  (16022819)
       641654.56   4290346.75      281.57383  (18010118)               641694.56
 4290346.75      299.36886  (18121517)
       641734.56   4290346.75      309.22725  (14022124)               641774.56
 4290346.75      320.89275  (14051219)
       641814.56   4290346.75      321.19276  (18012817)               641854.56
 4290346.75      333.71946  (18012817)
       641894.56   4290346.75      208.68995  (16012520)               641934.56
 4290346.75      181.81340  (17013117)
       641974.56   4290346.75      158.12607  (15021324)               642014.56
 4290346.75      138.09639  (15010820)
       642054.56   4290346.75      137.35774  (17013017)               642094.56
 4290346.75      119.72300  (17013017)
       642134.56   4290346.75       98.42671  (18020924)               642174.56
 4290346.75       84.82040  (18020924)
       642214.56   4290346.75       68.91868  (18020924)               642254.56
 4290346.75       54.40921  (18020123)
       642294.56   4290346.75       49.85342  (18013122)               642334.56
 4290346.75       45.32633  (18013122)
       642374.56   4290346.75       41.56718  (14013001)               642414.56
 4290346.75       39.06508  (14013001)
       642454.56   4290346.75       36.61472  (14012924)               642494.56
 4290346.75       34.17269  (14012924)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SPILL   ***
INCLUDING SOURCE(S):   VOL7   , VOL8   , VOL9   , VOL10   , VOL11   ,
VOL12   , VOL15   , VOL17   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
642534.56	4290346.75	31.64701	(14012924)	642574.56	4290346.75	29.47181	(18011619)
642614.56	4290346.75	31.70395	(17021401)	641374.56	4290386.75	117.38877	(14120218)
641414.56	4290386.75	150.80711	(14120218)	641454.56	4290386.75	175.19278	(14020619)
641494.56	4290386.75	200.12052	(14022803)	641534.56	4290386.75	233.90771	(14022218)
641574.56	4290386.75	274.91422	(18020418)	641614.56	4290386.75	309.52754	(16010301)
641654.56	4290386.75	352.70502	(18020119)	641694.56	4290386.75	389.04778	(15120619)
641734.56	4290386.75	416.97054	(18052819)	641774.56	4290386.75	412.09319	(14051219)
641814.56	4290386.75	507.92746	(18012817)	641854.56	4290386.75	364.85769	(18012817)
641894.56	4290386.75	255.40212	(17013117)	641934.56	4290386.75	206.02944	(15021324)
641974.56	4290386.75	181.15148	(17013017)	642014.56	4290386.75	187.92996	(17013017)
642054.56	4290386.75	137.12467	(17013017)	642094.56	4290386.75	113.79641	(18020924)
642134.56	4290386.75	89.68192	(18020924)	642174.56	4290386.75	69.65549	(18020123)
642214.56	4290386.75	62.42068	(18013122)	642254.56	4290386.75	55.63631	(15011420)
642294.56	4290386.75	51.51744	(14013001)	642334.56	4290386.75	47.56845	(14012924)
642374.56	4290386.75	43.58582	(14012924)	642414.56	4290386.75	39.73705	(17021401)

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       642454.56   4290386.75       37.08534  (18011619)              642494.56
4290386.75       34.57569  (18011619)
       642534.56   4290386.75       32.39681  (15020222)              642574.56
4290386.75       30.26846  (15020222)
       642614.56   4290386.75       28.20813  (15020222)              641374.56
4290426.75      121.59600  (14120420)
       641414.56   4290426.75      140.02209  (18033018)              641454.56
4290426.75      167.64567  (14120218)
       641494.56   4290426.75      220.86453  (14120218)              641534.56
4290426.75      260.48286  (14012224)
       641574.56   4290426.75      319.45161  (14022218)              641614.56
4290426.75      390.79970  (18020418)
       641654.56   4290426.75      459.94179  (16022819)              641694.56
4290426.75      528.53429  (14021719)
       641734.56   4290426.75      618.69735  (18052819)              641774.56
4290426.75      561.93604  (18012817)
       641814.56   4290426.75      741.62706  (18012817)              641854.56
4290426.75      376.02420  (17013117)
       641894.56   4290426.75      289.77068  (17013117)              641934.56
4290426.75      298.61562  (17013017)
       641974.56   4290426.75      248.44636  (17013017)              642014.56
4290426.75      163.74552  (18020924)
       642054.56   4290426.75      123.74010  (18020924)              642094.56
4290426.75       93.55188  (18013122)
       642134.56   4290426.75       80.74781  (18013122)              642174.56
4290426.75       72.65150  (14013001)
       642214.56   4290426.75       65.54253  (14012924)              642254.56
4290426.75       58.45264  (14012924)
       642294.56   4290426.75       52.96111  (18011619)              642334.56
4290426.75       48.39064  (15020222)
       642374.56   4290426.75       44.49149  (15020222)              642414.56
4290426.75       40.74445  (15020222)
       642454.56   4290426.75       37.25273  (15020222)              642494.56
4290426.75       34.56119  (18120621)
       642534.56   4290426.75       32.38887  (18120621)              642574.56
4290426.75       30.30344  (18120621)
       642614.56   4290426.75       28.35378  (18120621)              641374.56
4290466.75      125.94662  (15121122)
       641414.56   4290466.75      146.51152  (18020818)              641454.56
4290466.75      172.07309  (17122617)
       641494.56   4290466.75      229.66634  (18033018)              641534.56
4290466.75      269.93603  (18033018)
       641574.56   4290466.75      368.36160  (14120218)              641614.56
4290466.75      467.60118  (15120808)
       641654.56   4290466.75      613.67313  (18020418)              641694.56
4290466.75      820.26760  (14032018)
       641734.56   4290466.75     1020.93900  (18052819)              641774.56
4290466.75     1294.30781  (18012817)
       641814.56   4290466.75      841.33254  (18012817)              641854.56
4290466.75      493.87196  (17013117)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SPILL ***
INCLUDING SOURCE(S): VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL15 , VOL17 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641894.56	4290466.75	500.86012	(17013017)	641934.56	4290466.75	293.40935	(17013017)
641974.56	4290466.75	186.50252	(18020924)	642014.56	4290466.75	141.00513	(15011516)
642054.56	4290466.75	125.24222	(15011516)	642094.56	4290466.75	103.60098	(15011516)
642134.56	4290466.75	85.42145	(18011619)	642174.56	4290466.75	75.46945	(15020222)
642214.56	4290466.75	67.07539	(15020222)	642254.56	4290466.75	59.43363	(15020222)
642294.56	4290466.75	53.52826	(18120621)	642334.56	4290466.75	48.82990	(18120621)
642374.56	4290466.75	44.53764	(18120621)	642414.56	4290466.75	40.64567	(18120621)
642454.56	4290466.75	37.91126	(14120819)	642494.56	4290466.75	35.42174	(14120819)
642534.56	4290466.75	33.14046	(14120819)	642574.56	4290466.75	31.02846	(14120819)
642614.56	4290466.75	29.10010	(14120819)	641920.09	4290522.63	351.93998	(15011516)
641960.09	4290522.63	226.06775	(15011516)	642000.09	4290522.63	156.22627	(18120621)
642040.09	4290522.63	128.26735	(18120621)	642080.09	4290522.63	109.19113	(14120819)
642120.09	4290522.63	94.06876	(14120819)	642160.09	4290522.63	81.77679	(14120819)

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       642200.09   4290522.63       71.70321  (14120819)                642240.09
4290522.63       63.35598  (14120819)
       642280.09   4290522.63       56.56494  (15121617)                642320.09
4290522.63       51.18368  (15121617)
       642360.09   4290522.63       46.62263  (16020422)                642400.09
4290522.63       42.97770  (18022719)
       642440.09   4290522.63       40.06842  (18022719)                642480.09
4290522.63       37.49035  (18022719)
       642520.09   4290522.63       35.18063  (18022719)                642560.09
4290522.63       33.10401  (18022719)
       642600.09   4290522.63       31.22810  (18022719)                641920.09
4290562.63      316.55642  (18022719)
       641960.09   4290562.63      240.57911  (18022719)                642000.09
4290562.63      191.18944  (18022719)
       642040.09   4290562.63      156.93377  (18022719)                642080.09
4290562.63      131.98816  (18022719)
       642120.09   4290562.63      113.13997  (18022719)                642160.09
4290562.63       98.45646  (18022719)
       642200.09   4290562.63       86.80426  (18022719)                642240.09
4290562.63       77.30832  (18022719)
       642280.09   4290562.63       69.46054  (18022719)                642320.09
4290562.63       62.88412  (18022719)
       642360.09   4290562.63       57.30470  (18022719)                642400.09
4290562.63       52.52118  (18022719)
       642440.09   4290562.63       48.38080  (18022719)                642480.09
4290562.63       44.77230  (18022719)
       642520.09   4290562.63       41.60189  (18022719)                642560.09
4290562.63       38.79292  (18022719)
       642600.09   4290562.63       36.28567  (18022719)                641920.09
4290602.63      327.38767  (15032618)
       641960.09   4290602.63      250.16229  (16021319)                642000.09
4290602.63      198.09617  (16021319)
       642040.09   4290602.63      160.35546  (16021319)                642080.09
4290602.63      134.40618  (14120824)
       642120.09   4290602.63      115.22689  (14120824)                642160.09
4290602.63      100.01074  (14120824)
       642200.09   4290602.63       87.76828  (14120824)                642240.09
4290602.63       77.94419  (16011023)
       642280.09   4290602.63       70.17826  (16012522)                642320.09
4290602.63       63.76249  (16012522)
       642360.09   4290602.63       58.26634  (16012522)                642400.09
4290602.63       53.51562  (16012522)
       642440.09   4290602.63       49.37772  (16012522)                642480.09
4290602.63       45.74667  (16012522)
       642520.09   4290602.63       42.54020  (16012522)                642560.09
4290602.63       39.68898  (16012522)
       642600.09   4290602.63       37.11536  (16012522)                641920.09
4290642.63      297.66354  (14120720)
       641960.09   4290642.63      229.58891  (14013003)                642000.09
4290642.63      189.01720  (14013003)
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       642040.09   4290642.63      153.94020  (18010417)                642080.09
 4290642.63      130.46517  (17123120)
       642120.09   4290642.63      112.93970  (14013008)                642160.09
 4290642.63       98.89404  (14013008)
↑ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SPILL    ***
                                 INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       642200.09   4290642.63       88.55088  (16021319)                642240.09
 4290642.63       79.41108  (16021319)
       642280.09   4290642.63       71.38855  (16021319)                642320.09
 4290642.63       64.36421  (16021319)
       642360.09   4290642.63       58.21215  (16021319)                642400.09
 4290642.63       52.81537  (16021319)
       642440.09   4290642.63       48.63243  (14120824)                642480.09
 4290642.63       45.19672  (14120824)
       642520.09   4290642.63       42.09842  (14120824)                642560.09
 4290642.63       39.29717  (14120824)
       642600.09   4290642.63       36.74452  (14120824)                641920.09
 4290682.63      254.84869  (16021917)
       641960.09   4290682.63      209.73519  (16011701)                642000.09
 4290682.63      175.67121  (18010422)
       642040.09   4290682.63      148.03559  (14120720)                642080.09
 4290682.63      124.02298  (16121108)
       642120.09   4290682.63      110.34049  (14013003)                642160.09
 4290682.63       96.43036  (14013003)
       642200.09   4290682.63       84.47760  (18010417)                642240.09
 4290682.63       75.60365  (17123120)
       642280.09   4290682.63       68.38235  (17123120)                642320.09
 4290682.63       62.25717  (14013008)
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       642360.09   4290682.63       57.24935  (14013008)                642400.09
4290682.63       52.56526  (14013008)
       642440.09   4290682.63       48.96349  (16021319)                642480.09
4290682.63       45.70598  (16021319)
       642520.09   4290682.63       42.65811  (16021319)                642560.09
4290682.63       39.82051  (16021319)
       642600.09   4290682.63       37.17854  (16021319)                641920.09
4290722.63      195.01274  (16121022)
       641960.09   4290722.63      173.91518  (16021917)                642000.09
4290722.63      155.86567  (15010721)
       642040.09   4290722.63      135.93235  (16011701)                642080.09
4290722.63      120.03333  (16011701)
       642120.09   4290722.63      104.61605  (14120720)                642160.09
4290722.63       92.43428  (14120720)
       642200.09   4290722.63       81.23531  (16121108)                642240.09
4290722.63       74.55602  (14013003)
       642280.09   4290722.63       67.93354  (14013003)                642320.09
4290722.63       61.15444  (14013003)
       642360.09   4290722.63       55.59758  (18010417)                642400.09
4290722.63       50.92485  (17123120)
       642440.09   4290722.63       47.44051  (17123120)                642480.09
4290722.63       44.01199  (17123120)
       642520.09   4290722.63       41.00584  (14013008)                642560.09
4290722.63       38.61078  (14013008)
       642600.09   4290722.63       36.27713  (14013008)                641920.09
4290762.63      165.99709  (14021018)
       641960.09   4290762.63      144.80452  (16121022)                642000.09
4290762.63      123.50870  (17010422)
       642040.09   4290762.63      116.96655  (16020921)                642080.09
4290762.63      109.25570  (15010721)
       642120.09   4290762.63       97.61513  (16011701)                642160.09
4290762.63       89.11211  (16011701)
       642200.09   4290762.63       79.28386  (16021218)                642240.09
4290762.63       72.20240  (14120720)
       642280.09   4290762.63       64.78544  (14120720)                642320.09
4290762.63       58.71916  (16121108)
       642360.09   4290762.63       54.74294  (14013003)                642400.09
4290762.63       51.14119  (14013003)
       642440.09   4290762.63       47.25649  (14013003)                642480.09
4290762.63       43.30639  (14013003)
       642520.09   4290762.63       40.31899  (18010417)                642560.09
4290762.63       37.51077  (18010417)
       642600.09   4290762.63       35.40050  (17123120)                641920.09
4290802.63      142.69037  (14013002)
       641960.09   4290802.63      126.34951  (14021018)                642000.09
4290802.63      112.94920  (16121022)
       642040.09   4290802.63       98.17865  (16013022)                642080.09
4290802.63       88.03754  (16020921)
       642120.09   4290802.63       87.95009  (16020921)                642160.09
4290802.63       82.04149  (15010721)
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       642200.09   4290802.63       74.70543  (16011701)                642240.09
 4290802.63       69.65001  (16011701)
       642280.09   4290802.63       63.16239  (18010422)                642320.09
 4290802.63       57.89388  (14120720)
       642360.09   4290802.63       53.62521  (14120720)                642400.09
 4290802.63       48.67720  (14120720)
       642440.09   4290802.63       45.13084  (16121108)                642480.09
 4290802.63       42.42816  (14013003)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SPILL    ***
                                 INCLUDING SOURCE(S):     VOL7        , VOL8
 , VOL9        , VOL10       , VOL11       ,
                VOL12       , VOL15       , VOL17       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       642520.09   4290802.63       40.28739  (14013003)                642560.09
 4290802.63       37.88534  (14013003)
       642600.09   4290802.63       35.34823  (14013003)                641920.09
 4290842.63      123.32788  (14120407)
       641960.09   4290842.63      110.81227  (17021520)                642000.09
 4290842.63      100.54559  (14021018)
       642040.09   4290842.63       91.47442  (15021919)                642080.09
 4290842.63       81.25905  (16013022)
       642120.09   4290842.63       73.47640  (18010219)                642160.09
 4290842.63       70.97315  (16020921)
       642200.09   4290842.63       69.07889  (15010721)                642240.09
 4290842.63       64.54535  (15010721)
       642280.09   4290842.63       59.65408  (16011701)                642320.09
 4290842.63       56.43984  (16011701)
       642360.09   4290842.63       51.98714  (18010422)                642400.09
 4290842.63       47.88380  (16021218)
       642440.09   4290842.63       44.99548  (14120720)                642480.09
 4290842.63       41.84468  (14120720)
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       642520.09   4290842.63       38.61647  (16121108)                642560.09
 4290842.63       36.16288  (16121108)
       642600.09   4290842.63       34.14543  (14013003)                641920.09
 4290882.63      105.16268  (16121222)
       641960.09   4290882.63       98.68314  (14013002)                642000.09
 4290882.63       90.50463  (17021520)
       642040.09   4290882.63       82.58445  (14021018)                642080.09
 4290882.63       76.19495  (15021919)
       642120.09   4290882.63       68.37072  (16013022)                642160.09
 4290882.63       62.65578  (17010422)
       642200.09   4290882.63       57.52697  (16011624)                642240.09
 4290882.63       58.28588  (16020921)
       642280.09   4290882.63       56.28526  (15010721)                642320.09
 4290882.63       52.50851  (15010721)
       642360.09   4290882.63       49.13656  (16011701)                642400.09
 4290882.63       46.98883  (16011701)
       642440.09   4290882.63       43.74230  (18010422)                642480.09
 4290882.63       40.71452  (16021218)
       642520.09   4290882.63       38.23927  (14120720)                642560.09
 4290882.63       36.23027  (14120720)
       642600.09   4290882.63       33.82123  (14120720)                641450.64
 4290754.44      129.78227  (15021802)
       641490.64   4290754.44      137.37185  (15011116)                641530.64
 4290754.44      150.69591  (15021624)
       641570.64   4290754.44      174.90747  (14121223)                641610.64
 4290754.44      206.45917  (18020218)
       641650.64   4290754.44      215.49348  (14020502)                641450.64
 4290794.44      104.51685  (17021620)
       641490.64   4290794.44      117.26736  (18010924)                641530.64
 4290794.44      132.53323  (14121223)
       641570.64   4290794.44      150.13734  (18020218)                641610.64
 4290794.44      167.54302  (18020802)
       641650.64   4290794.44      168.90581  (18102717)                641450.64
 4290834.44       94.48508  (18010924)
       641490.64   4290834.44      104.64488  (14121223)                641530.64
 4290834.44      116.90450  (16021701)
       641570.64   4290834.44      128.85411  (16021024)                641610.64
 4290834.44      127.86545  (14020502)
       641650.64   4290834.44      142.60094  (17031618)

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  LOADING  ***
```

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641284.31	4290506.68	78.82606	(14022219)	641324.31	4290506.68	88.85242	(15121122)
641364.31	4290506.68	102.73960	(15121122)	641404.31	4290506.68	119.69760	(18020818)
641284.31	4290546.68	79.63915	(16012421)	641324.31	4290546.68	91.45446	(16012421)
641364.31	4290546.68	106.17092	(16012421)	641404.31	4290546.68	126.28239	(14022219)
641284.31	4290586.68	81.43252	(14120903)	641324.31	4290586.68	93.18508	(14120903)
641364.31	4290586.68	108.21198	(14120903)	641404.31	4290586.68	127.86138	(14120717)
641284.31	4290626.68	77.09244	(16021202)	641324.31	4290626.68	87.37062	(16021202)
641364.31	4290626.68	100.60631	(16021202)	641404.31	4290626.68	117.17886	(16021202)
641284.31	4290666.68	74.92454	(15011919)	641324.31	4290666.68	85.62565	(15011919)
641364.31	4290666.68	99.16863	(15011919)	641404.31	4290666.68	114.76151	(17021503)
641284.31	4290706.68	73.34500	(16022805)	641324.31	4290706.68	83.87529	(14013020)
641364.31	4290706.68	97.02232	(14013020)	641404.31	4290706.68	111.35478	(17021218)
641284.31	4290746.68	71.54846	(17021218)	641324.31	4290746.68	80.48695	(14120908)
641364.31	4290746.68	92.63196	(18020921)	641404.31	4290746.68	106.34050	(18020921)
641284.31	4290786.68	69.70901	(18020921)	641324.31	4290786.68	76.38491	(18020921)
641364.31	4290786.68	87.57513	(17020822)	641404.31	4290786.68	98.57309	(17020822)
641284.31	4290826.68	66.52910	(17020822)	641324.31	4290826.68	72.94490	(17020822)
641364.31	4290826.68	79.25541	(15021802)	641404.31	4290826.68	82.43742	(15021802)
641284.31	4290866.68	61.64197	(15021802)	641324.31	4290866.68	64.28888	(15021802)

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       641364.31   4290866.68       63.36044  (15021802)                641404.31
 4290866.68       70.05840  (17021620)
       641268.28   4290889.76       56.28473  (15021802)                641308.28
 4290889.76       57.00531  (15021802)
       641348.28   4290889.76       57.75620  (17021620)                641388.28
 4290889.76       63.51614  (15020801)
       641428.28   4290889.76       70.01638  (16011623)                641468.28
 4290889.76       77.23145  (17021219)
       641508.28   4290889.76       85.36679  (18020218)                641548.28
 4290889.76       93.68641  (18020802)
       641588.28   4290889.76       94.20571  (14020502)                641628.28
 4290889.76      113.86272  (17031618)
       642188.28   4290889.76       53.09490  (15010721)                642228.28
 4290889.76       50.16336  (15010721)
       642268.28   4290889.76       46.01778  (16011701)                642308.28
 4290889.76       43.74778  (16011701)
       642348.28   4290889.76       40.72387  (16011701)                642388.28
 4290889.76       37.62980  (18010422)
       642428.28   4290889.76       34.96720  (14120720)                641268.28
 4290929.76       46.26059  (15021802)
       641308.28   4290929.76       49.74955  (17021620)                641348.28
 4290929.76       53.46332  (15021624)
       641388.28   4290929.76       58.26245  (16011623)                641428.28
 4290929.76       63.51127  (17021219)
       641468.28   4290929.76       69.72757  (16021701)                641508.28
 4290929.76       75.60274  (18020218)
       641548.28   4290929.76       79.66753  (18020802)                641588.28
 4290929.76       76.55860  (18080523)
       641628.28   4290929.76      101.00414  (17031618)                642188.28
 4290929.76       44.88743  (16020921)
       642228.28   4290929.76       44.92596  (16020921)                642268.28
 4290929.76       43.36273  (15010721)
       642308.28   4290929.76       40.96409  (15010721)                642348.28
 4290929.76       37.99027  (16011701)
       642388.28   4290929.76       36.40529  (16011701)                642428.28
 4290929.76       34.27216  (16011701)
       641268.28   4290969.76       43.17940  (17021620)                641308.28
 4290969.76       45.95904  (18010924)
       641348.28   4290969.76       49.60801  (16011623)                641388.28
 4290969.76       53.45426  (14121223)
       641428.28   4290969.76       58.45232  (16021701)                641468.28
 4290969.76       63.13504  (18020218)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADING ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641508.28	4290969.76	67.00633	(18020802)	641548.28	4290969.76	65.48206	(14020502)
641588.28	4290969.76	66.19620	(15072824)	641628.28	4290969.76	87.37472	(17031618)
641668.28	4290969.76	88.56581	(17031618)	641708.28	4290969.76	83.90985	(17111516)
641748.28	4290969.76	75.31394	(17020903)	641788.28	4290969.76	74.31181	(17010416)
641828.28	4290969.76	70.95896	(18020320)	641868.28	4290969.76	67.86227	(14122319)
641908.28	4290969.76	67.17476	(17021519)	641948.28	4290969.76	67.22005	(15021022)
642188.28	4290969.76	42.14876	(16013022)	642228.28	4290969.76	39.23244	(18010219)
642268.28	4290969.76	38.10883	(16020921)	642308.28	4290969.76	37.59344	(16020921)
642348.28	4290969.76	36.27343	(15010721)	642388.28	4290969.76	34.29024	(15010721)
642428.28	4290969.76	32.10115	(16011701)	641268.28	4291009.76	40.20851	(18010924)
641308.28	4291009.76	42.96107	(16011623)	641348.28	4291009.76	46.02032	(14121223)
641388.28	4291009.76	49.83243	(16021701)	641428.28	4291009.76	53.35309	(18020218)
641468.28	4291009.76	56.44263	(16021024)	641508.28	4291009.76	57.79741	(18020802)
641548.28	4291009.76	55.46607	(18080523)	641588.28	4291009.76	58.59381	(17031618)
641628.28	4291009.76	74.81156	(17031618)	641668.28	4291009.76	70.44634	(17031618)
641708.28	4291009.76	68.88297	(17111516)	641748.28	4291009.76	64.89590	(17020903)
641788.28	4291009.76	64.11979	(14012518)	641828.28	4291009.76	62.53225	(18020320)
641868.28	4291009.76	59.55201	(17021521)	641908.28	4291009.76	56.34635	(14011518)

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       641948.28   4291009.76       58.44187  (17021519)                642188.28
 4291009.76       40.30418  (16121022)
       642228.28   4291009.76       37.09195  (16013022)                642268.28
 4291009.76       34.63833  (18010219)
       642308.28   4291009.76       32.46801  (16011624)                642348.28
 4291009.76       32.73600  (16020921)
       642388.28   4291009.76       31.98681  (16020921)                642428.28
 4291009.76       30.92834  (15010721)
       641268.28   4291049.76       37.66315  (16011623)                641308.28
 4291049.76       40.14791  (14121223)
       641348.28   4291049.76       43.14293  (16021701)                641388.28
 4291049.76       45.61108  (18020218)
       641428.28   4291049.76       48.33699  (15020718)                641468.28
 4291049.76       50.79422  (18020802)
       641508.28   4291049.76       48.95279  (14020502)                641548.28
 4291049.76       49.12042  (15072824)
       641588.28   4291049.76       54.55829  (17031618)                641628.28
 4291049.76       63.81447  (17031618)
       641668.28   4291049.76       56.84063  (17031618)                641708.28
 4291049.76       57.72225  (17111516)
       641748.28   4291049.76       56.70030  (17020903)                641788.28
 4291049.76       56.26795  (14120307)
       641828.28   4291049.76       55.13115  (18020320)                641868.28
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       641908.28   4291049.76       50.60988  (14120806)                641948.28
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       642188.28   4291049.76       37.91368  (15021919)                642228.28
 4291049.76       35.63246  (16121022)
       642268.28   4291049.76       32.92132  (16013022)                642308.28
 4291049.76       30.91341  (17010422)
       642348.28   4291049.76       29.18983  (18010219)                642388.28
 4291049.76       28.52991  (16020921)
       642428.28   4291049.76       28.44390  (16020921)                641268.28
 4291089.76       35.44813  (14121223)
       641308.28   4291089.76       37.76199  (16021701)                641348.28
 4291089.76       39.64342  (16021701)
       641388.28   4291089.76       42.41285  (18020218)                641428.28
 4291089.76       44.40787  (18020802)
       641468.28   4291089.76       44.36689  (14020502)                641508.28
 4291089.76       42.73156  (14012318)
       641548.28   4291089.76       44.29581  (15072824)                641588.28
 4291089.76       49.86313  (17031618)
       641628.28   4291089.76       54.35706  (17031618)                641668.28
 4291089.76       49.23244  (17111516)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08

                                PAGE  74
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  LOADING  ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        641708.28   4291089.76       49.03219  (15081622)               641748.28
 4291089.76       50.11307  (17020903)
        641788.28   4291089.76       49.91728  (14120307)               641828.28
 4291089.76       48.73958  (18020320)
        641868.28   4291089.76       46.72335  (17021619)               641908.28
 4291089.76       45.55865  (14122319)
        641948.28   4291089.76       43.53528  (14011518)               641988.28
 4291089.76       45.15112  (17021519)
        642028.28   4291089.76       44.56187  (15021022)               642068.28
 4291089.76       42.32872  (14013002)
        642108.28   4291089.76       39.46581  (14013002)               642148.28
 4291089.76       37.63538  (17021520)
        641268.28   4291129.76       33.38251  (16021701)               641308.28
 4291129.76       35.26312  (16021701)
        641348.28   4291129.76       37.44741  (18020218)               641388.28
 4291129.76       38.97350  (16021024)
        641428.28   4291129.76       40.12392  (18020802)               641468.28
 4291129.76       38.39592  (14020502)
        641508.28   4291129.76       38.62539  (18080523)               641548.28
 4291129.76       40.14361  (18052903)
        641588.28   4291129.76       45.04568  (17031618)               641628.28
 4291129.76       46.38524  (17031618)
        641668.28   4291129.76       43.69708  (17111516)               641708.28
 4291129.76       43.80150  (15081622)
        641748.28   4291129.76       44.71891  (17020903)               641788.28
 4291129.76       44.71044  (14120401)
        641828.28   4291129.76       43.23890  (14010818)               641868.28
 4291129.76       42.45531  (18020320)
        641908.28   4291129.76       41.20261  (17021521)               641948.28
 4291129.76       39.62607  (14120806)
        641988.28   4291129.76       39.57082  (17021519)               642028.28
 4291129.76       40.33315  (16121222)
        642068.28   4291129.76       38.96898  (15021022)               642108.28
 4291129.76       37.41067  (14013002)
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       641414.56   4290226.75       84.10821  (15021323)               641454.56
 4290226.75       90.20821  (16010301)
       641494.56   4290226.75       96.83664  (14021718)               641534.56
 4290226.75      101.26747  (15010718)
       641574.56   4290226.75      107.22650  (18010118)               641614.56
 4290226.75      112.80479  (15120619)
       641654.56   4290226.75      115.33167  (14020301)               641694.56
 4290226.75      118.52471  (15011821)
       641734.56   4290226.75      114.33614  (18010719)               641774.56
 4290226.75      120.74033  (14051219)
       641814.56   4290226.75      108.78768  (18010318)               641854.56
 4290226.75      107.25604  (18012817)
       641894.56   4290226.75      114.68123  (18012817)               641934.56
 4290226.75       97.23205  (18012817)
       641974.56   4290226.75       85.14594  (16012520)               642014.56
 4290226.75       72.79038  (14120102)
       642054.56   4290226.75       68.60383  (14021320)               642094.56
 4290226.75       63.21378  (14120622)
       642134.56   4290226.75       58.36295  (15021324)               642174.56
 4290226.75       53.86924  (16022123)
       642214.56   4290226.75       50.51638  (16021407)               642254.56
 4290226.75       47.03761  (15021204)
       642294.56   4290226.75       44.29805  (18011620)               642334.56
 4290226.75       40.83245  (18122307)
       642374.56   4290226.75       38.43491  (18020924)               642414.56
 4290226.75       35.88211  (18020924)
       642454.56   4290226.75       32.81316  (18020924)               642494.56
 4290226.75       29.49322  (18020924)
       642534.56   4290226.75       26.13904  (18020924)               642574.56
 4290226.75       22.89836  (18020924)
       642614.56   4290226.75       20.03222  (18020123)               641374.56
 4290266.75       84.25934  (18020702)
       641414.56   4290266.75       93.76253  (18020418)               641454.56
 4290266.75       99.88439  (15021323)
       641494.56   4290266.75      107.47531  (14021718)               641534.56
 4290266.75      117.72660  (16022819)
       641574.56   4290266.75      122.87937  (18020119)               641614.56
 4290266.75      130.22505  (14021719)
       641654.56   4290266.75      134.09580  (18121517)               641694.56
 4290266.75      138.68618  (15011821)
       641734.56   4290266.75      136.28438  (18052819)               641774.56
 4290266.75      141.51216  (14051219)
       641814.56   4290266.75      126.11512  (15012721)               641854.56
 4290266.75      140.46088  (18012817)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADING ***
INCLUDING SOURCE(S):   STCK1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641894.56	4290266.75	134.65310	(18012817)	641934.56	4290266.75	106.53773	(15021418)
641974.56	4290266.75	85.95319	(14022106)	642014.56	4290266.75	80.94807	(14021320)
642054.56	4290266.75	74.12235	(14120622)	642094.56	4290266.75	67.72135	(15021324)
642134.56	4290266.75	62.05872	(18120403)	642174.56	4290266.75	57.66382	(16021407)
642214.56	4290266.75	53.83629	(17013017)	642254.56	4290266.75	49.54576	(18011620)
642294.56	4290266.75	45.93919	(18122307)	642334.56	4290266.75	42.66010	(18020924)
642374.56	4290266.75	38.79914	(18020924)	642414.56	4290266.75	34.57714	(18020924)
642454.56	4290266.75	30.34571	(18020924)	642494.56	4290266.75	26.29486	(18020924)
642534.56	4290266.75	22.99939	(18020123)	642574.56	4290266.75	21.66198	(18013122)
642614.56	4290266.75	20.35794	(18013122)	641374.56	4290306.75	92.19013	(14022218)
641414.56	4290306.75	100.24265	(18020702)	641454.56	4290306.75	112.64217	(18020418)
641494.56	4290306.75	120.55134	(15021323)	641534.56	4290306.75	133.14631	(14021718)
641574.56	4290306.75	141.00881	(15010718)	641614.56	4290306.75	152.12320	(18010118)
641654.56	4290306.75	159.53287	(15021120)	641694.56	4290306.75	164.74213	(15011821)
641734.56	4290306.75	171.57045	(18052819)	641774.56	4290306.75	170.52837	(14051219)
641814.56	4290306.75	156.07416	(18012817)	641854.56	4290306.75	181.72114	(18012817)

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       641894.56   4290306.75      150.60320  (18012817)                641934.56
 4290306.75      110.93267  (16012520)
       641974.56   4290306.75       97.35152  (14021320)                642014.56
 4290306.75       88.71606  (14120622)
       642054.56   4290306.75       79.93683  (15021324)                642094.56
 4290306.75       72.82902  (15010820)
       642134.56   4290306.75       69.05381  (17013017)                642174.56
 4290306.75       65.39253  (17013017)
       642214.56   4290306.75       56.18642  (18122307)                642254.56
 4290306.75       51.82763  (18020924)
       642294.56   4290306.75       46.86181  (18020924)                642334.56
 4290306.75       41.35717  (18020924)
       642374.56   4290306.75       35.78977  (18020924)                642414.56
 4290306.75       30.53936  (18020924)
       642454.56   4290306.75       26.72846  (18013122)                642494.56
 4290306.75       25.01761  (18013122)
       642534.56   4290306.75       23.24253  (18013122)                642574.56
 4290306.75       21.95975  (14013001)
       642614.56   4290306.75       30.54984  (16022120)                641374.56
 4290346.75       98.88682  (14022803)
       641414.56   4290346.75      109.85096  (14022218)                641454.56
 4290346.75      121.91601  (18020702)
       641494.56   4290346.75      139.07227  (18020418)                641534.56
 4290346.75      151.10351  (18121506)
       641574.56   4290346.75      168.15879  (16022819)                641614.56
 4290346.75      178.92108  (18020119)
       641654.56   4290346.75      193.62813  (15120619)                641694.56
 4290346.75      199.25603  (15011821)
       641734.56   4290346.75      224.83803  (18052819)                641774.56
 4290346.75      203.24350  (14051219)
       641814.56   4290346.75      227.01274  (18012817)                641854.56
 4290346.75      227.22816  (18012817)
       641894.56   4290346.75      154.59844  (18012817)                641934.56
 4290346.75      121.20608  (14120102)
       641974.56   4290346.75      110.30661  (17013117)                642014.56
 4290346.75       96.79984  (18012304)
       642054.56   4290346.75       87.46705  (16021407)                642094.56
 4290346.75       90.01374  (17013017)
       642134.56   4290346.75       78.61378  (17013017)                642174.56
 4290346.75       64.82222  (18020924)
       642214.56   4290346.75       58.19038  (18020924)                642254.56
 4290346.75       50.68026  (18020924)
       642294.56   4290346.75       43.15857  (18020924)                642334.56
 4290346.75       36.15504  (18020924)
       642374.56   4290346.75       31.71784  (18013122)                642414.56
 4290346.75       29.23676  (18013122)
       642454.56   4290346.75       27.16915  (14013001)                642494.56
 4290346.75       25.66183  (14013001)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LOADING ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF TOG   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        642534.56   4290346.75   24.23941 (14012924)   642574.56
 4290346.75   22.84625 (14012924)
        642614.56   4290346.75   31.22541 (18020220)   641374.56
 4290386.75   106.58927 (14120218)
        641414.56   4290386.75   118.93862 (14022803)   641454.56
 4290386.75   134.15082 (15120808)
        641494.56   4290386.75   152.31712 (18020702)   641534.56
 4290386.75   176.64974 (18020418)
        641574.56   4290386.75   195.06557 (16010301)   641614.56
 4290386.75   218.47899 (16022819)
        641654.56   4290386.75   239.59779 (14021719)   641694.56
 4290386.75   249.02324 (16022921)
        641734.56   4290386.75   310.92272 (14051219)   641774.56
 4290386.75   236.87036 (14051219)
        641814.56   4290386.75   329.43493 (18012817)   641854.56
 4290386.75   263.55141 (18012817)
        641894.56   4290386.75   156.74553 (14120102)   641934.56
 4290386.75   154.28813 (17013117)
        641974.56   4290386.75   120.64578 (18012304)   642014.56
 4290386.75   122.84413 (17013017)
        642054.56   4290386.75   117.19512 (17013017)   642094.56
 4290386.75   91.39632 (17013017)
        642134.56   4290386.75   75.02015 (18020924)   642174.56
 4290386.75   64.20922 (18020924)
        642214.56   4290386.75   53.45454 (18020924)   642254.56
 4290386.75   43.67627 (18020924)
        642294.56   4290386.75   38.42042 (18013122)   642334.56
 4290386.75   34.92942 (14013001)
        642374.56   4290386.75   32.61721 (14013001)   642414.56
 4290386.75   30.45704 (14012924)

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       642454.56   4290386.75       28.38803  (14012924)              642494.56
4290386.75       26.36324  (14012924)
       642534.56   4290386.75       24.41762  (14012924)              642574.56
4290386.75       23.01041  (18011619)
       642614.56   4290386.75       21.66709  (15020222)              641374.56
4290426.75      105.47203  (14120218)
       641414.56   4290426.75      129.18885  (14120218)              641454.56
4290426.75      148.94885  (14020619)
       641494.56   4290426.75      169.44249  (14022803)              641534.56
4290426.75      200.30035  (14022218)
       641574.56   4290426.75      238.46516  (18020418)              641614.56
4290426.75      274.23769  (14021718)
       641654.56   4290426.75      311.45710  (14032018)              641694.56
4290426.75      352.88547  (15031518)
       641734.56   4290426.75      457.68823  (14051219)              641774.56
4290426.75      401.62790  (18012817)
       641814.56   4290426.75      460.77591  (18012817)              641854.56
4290426.75      262.90733  (18012817)
       641894.56   4290426.75      228.61777  (17013117)              641934.56
4290426.75      157.00240  (16022123)
       641974.56   4290426.75      181.67592  (17013017)              642014.56
4290426.75      150.81230  (17013017)
       642054.56   4290426.75      102.10164  (18020924)              642094.56
4290426.75       85.27357  (18020924)
       642134.56   4290426.75       68.72550  (18020924)              642174.56
4290426.75       54.21384  (18020924)
       642214.56   4290426.75       47.70199  (18013122)              642254.56
4290426.75       43.60393  (14013001)
       642294.56   4290426.75       40.10157  (14012924)              642334.56
4290426.75       36.71664  (14012924)
       642374.56   4290426.75       33.49203  (14012924)              642414.56
4290426.75       30.88625  (18011619)
       642454.56   4290426.75       28.71343  (15020222)              642494.56
4290426.75       26.82774  (15020222)
       642534.56   4290426.75       25.04697  (15020222)              642574.56
4290426.75       23.35950  (15020222)
       642614.56   4290426.75       21.79696  (15020222)              641374.56
4290466.75      108.21502  (18033018)
       641414.56   4290466.75      132.05295  (18033018)              641454.56
4290466.75      152.16738  (14120218)
       641494.56   4290466.75      191.52363  (14120218)              641534.56
4290466.75      230.48461  (14022803)
       641574.56   4290466.75      283.09814  (14022218)              641614.56
4290466.75      343.33488  (18020418)
       641654.56   4290466.75      423.59844  (14032018)              641694.56
4290466.75      615.33895  (15031518)
       641734.56   4290466.75      746.11887  (14051219)              641774.56
4290466.75      743.94256  (18012817)
       641814.56   4290466.75      569.19600  (18012817)              641854.56
4290466.75      371.04482  (17013117)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADING ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641894.56	4290466.75	267.05052	(17013017)	641934.56	4290466.75	272.84184	(17013017)
641974.56	4290466.75	183.44676	(17013017)	642014.56	4290466.75	121.15160	(18020924)
642054.56	4290466.75	93.08228	(18020924)	642094.56	4290466.75	71.50124	(18013122)
642134.56	4290466.75	62.88220	(14013001)	642174.56	4290466.75	56.35563	(14012924)
642214.56	4290466.75	50.23728	(14012924)	642254.56	4290466.75	44.94837	(18011619)
642294.56	4290466.75	40.91283	(15020222)	642334.56	4290466.75	37.43659	(15020222)
642374.56	4290466.75	34.24050	(15020222)	642414.56	4290466.75	31.32623	(15020222)
642454.56	4290466.75	28.80036	(18120621)	642494.56	4290466.75	26.84731	(18120621)
642534.56	4290466.75	25.06090	(18120621)	642574.56	4290466.75	23.41162	(18120621)
642614.56	4290466.75	21.90771	(18120621)	641920.09	4290522.63	208.13305	(18020924)
641960.09	4290522.63	180.37265	(15011516)	642000.09	4290522.63	143.36461	(15011516)
642040.09	4290522.63	109.74173	(15011516)	642080.09	4290522.63	82.90565	(15011516)
642120.09	4290522.63	69.71221	(15020222)	642160.09	4290522.63	60.38255	(15020222)
642200.09	4290522.63	53.49538	(18120621)	642240.09	4290522.63	47.72181	(18120621)

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       642280.09   4290522.63       43.24560  (14120819)              642320.09
4290522.63       39.46198  (14120819)
       642360.09   4290522.63       36.13519  (14120819)              642400.09
4290522.63       33.20275  (14120819)
       642440.09   4290522.63       30.60515  (14120819)              642480.09
4290522.63       28.31343  (14120819)
       642520.09   4290522.63       26.27356  (14120819)              642560.09
4290522.63       24.45158  (14120819)
       642600.09   4290522.63       22.81708  (14120819)              641920.09
4290562.63      262.38823  (15011516)
       641960.09   4290562.63      165.87438  (15011516)              642000.09
4290562.63      118.71451  (14120819)
       642040.09   4290562.63       98.70801  (14120819)              642080.09
4290562.63       83.46319  (14120819)
       642120.09   4290562.63       72.27306  (18022719)              642160.09
4290562.63       64.33796  (18022719)
       642200.09   4290562.63       57.77036  (18022719)              642240.09
4290562.63       52.22900  (18022719)
       642280.09   4290562.63       47.51900  (18022719)              642320.09
4290562.63       43.47883  (18022719)
       642360.09   4290562.63       39.98294  (18022719)              642400.09
4290562.63       36.93487  (18022719)
       642440.09   4290562.63       34.25796  (18022719)              642480.09
4290562.63       31.89544  (18022719)
       642520.09   4290562.63       29.79660  (18022719)              642560.09
4290562.63       27.91846  (18022719)
       642600.09   4290562.63       26.22698  (18022719)              641920.09
4290602.63      241.44222  (18022719)
       641960.09   4290602.63      184.45996  (18022719)              642000.09
4290602.63      147.14742  (18022719)
       642040.09   4290602.63      121.12181  (18022719)              642080.09
4290602.63      102.09679  (18022719)
       642120.09   4290602.63       87.67711  (18022719)              642160.09
4290602.63       76.42414  (18022719)
       642200.09   4290602.63       67.46814  (18022719)              642240.09
4290602.63       60.15532  (18022719)
       642280.09   4290602.63       54.10093  (18022719)              642320.09
4290602.63       49.02210  (18022719)
       642360.09   4290602.63       44.70914  (18022719)              642400.09
4290602.63       41.00748  (18022719)
       642440.09   4290602.63       37.80193  (18022719)              642480.09
4290602.63       35.00238  (18022719)
       642520.09   4290602.63       32.53987  (18022719)              642560.09
4290602.63       30.35728  (18022719)
       642600.09   4290602.63       28.39233  (18022719)              641920.09
4290642.63      275.95519  (16052319)
       641960.09   4290642.63      199.90068  (15032618)              642000.09
4290642.63      154.25281  (15032618)
       642040.09   4290642.63      122.09306  (16021319)              642080.09
4290642.63      102.21236  (16021319)
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       642120.09   4290642.63       87.38860  (14120824)                642160.09
 4290642.63       76.29077  (14120824)
↑ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***        13:19:08

                                   PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  LOADING  ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       642200.09   4290642.63       67.32743  (14120824)                642240.09
 4290642.63       59.93946  (14120824)
       642280.09   4290642.63       53.78298  (14120824)                642320.09
 4290642.63       48.77465  (16012522)
       642360.09   4290642.63       44.61747  (16012522)                642400.09
 4290642.63       41.02286  (16012522)
       642440.09   4290642.63       37.88975  (16012522)                642480.09
 4290642.63       35.13957  (16012522)
       642520.09   4290642.63       32.70826  (16012522)                642560.09
 4290642.63       30.54533  (16012522)
       642600.09   4290642.63       28.59896  (16012522)                641920.09
 4290682.63      483.34406  (16112016)
       641960.09   4290682.63      280.86496  (16112016)                642000.09
 4290682.63      143.83600  (16052319)
       642040.09   4290682.63      116.04893  (14013003)                642080.09
 4290682.63       98.53847  (17123120)
       642120.09   4290682.63       85.47653  (14013008)                642160.09
 4290682.63       75.29756  (16021319)
       642200.09   4290682.63       67.39819  (16021319)                642240.09
 4290682.63       60.55852  (16021319)
       642280.09   4290682.63       54.64744  (16021319)                642320.09
 4290682.63       49.52187  (16021319)
       642360.09   4290682.63       45.05941  (16021319)                642400.09
 4290682.63       41.15617  (16021319)
       642440.09   4290682.63       37.72698  (16021319)                642480.09
 4290682.63       34.77033  (14120824)
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       642520.09   4290682.63       32.41573  (14120824)                642560.09
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       642600.09   4290682.63       28.37753  (14120824)                641920.09
4290722.63      396.27041  (16021917)
       641960.09   4290722.63      213.34238  (16112016)                642000.09
4290722.63      197.79365  (16112016)
       642040.09   4290722.63      141.44129  (16112016)                642080.09
4290722.63       94.32393  (14013003)
       642120.09   4290722.63       83.60467  (14013003)                642160.09
4290722.63       73.51478  (14013003)
       642200.09   4290722.63       64.42343  (14013003)                642240.09
4290722.63       57.75874  (17123120)
       642280.09   4290722.63       52.35983  (17123120)                642320.09
4290722.63       47.68958  (14013008)
       642360.09   4290722.63       43.86102  (14013008)                642400.09
4290722.63       40.43534  (16021319)
       642440.09   4290722.63       37.67641  (16021319)                642480.09
4290722.63       35.14261  (16021319)
       642520.09   4290722.63       32.81941  (16021319)                642560.09
4290722.63       30.69015  (16021319)
       642600.09   4290722.63       28.73316  (16021319)                641920.09
4290762.63      273.02450  (16021917)
       641960.09   4290762.63      244.81406  (16021917)                642000.09
4290762.63      164.41009  (16021917)
       642040.09   4290762.63      103.71346  (16011701)                642080.09
4290762.63       90.78767  (16112016)
       642120.09   4290762.63       79.59129  (14120720)                642160.09
4290762.63       70.49186  (14120720)
       642200.09   4290762.63       62.07983  (14013003)                642240.09
4290762.63       57.00616  (14013003)
       642280.09   4290762.63       51.94183  (14013003)                642320.09
4290762.63       47.09752  (14013003)
       642360.09   4290762.63       42.62070  (18010417)                642400.09
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       642440.09   4290762.63       36.48228  (17123120)                642480.09
4290762.63       33.91785  (17123120)
       642520.09   4290762.63       31.61606  (14013008)                642560.09
4290762.63       29.73067  (14013008)
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4290802.63      125.56893  (14021018)
       641960.09   4290802.63      147.26397  (16021917)                642000.09
4290802.63      149.53282  (16021917)
       642040.09   4290802.63      117.21027  (16021917)                642080.09
4290802.63       82.98170  (15010721)
       642120.09   4290802.63       75.05282  (16011701)                642160.09
4290802.63       67.79907  (16011701)
       642200.09   4290802.63       60.58080  (16021218)                642240.09
4290802.63       55.18641  (14120720)
       642280.09   4290802.63       49.84917  (14120720)                642320.09
4290802.63       45.06946  (16121108)
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       642360.09   4290802.63       42.14485  (14013003)                642400.09
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       642440.09   4290802.63       36.36290  (14013003)                642480.09
 4290802.63       33.57583  (14013003)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***        13:19:08

                                   PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  LOADING  ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       642520.09   4290802.63       31.02000  (18010417)                642560.09
 4290802.63       28.97118  (18010417)
       642600.09   4290802.63       27.33253  (17123120)                641920.09
 4290842.63      108.02574  (17021520)
       641960.09   4290842.63       95.97752  (14021018)                642000.09
 4290842.63       86.07858  (16021917)
       642040.09   4290842.63       94.95701  (16021917)                642080.09
 4290842.63       82.81845  (16021917)
       642120.09   4290842.63       68.02413  (15010721)                642160.09
 4290842.63       62.50303  (15010721)
       642200.09   4290842.63       57.73915  (16011701)                642240.09
 4290842.63       53.22623  (16011701)
       642280.09   4290842.63       48.41718  (18010422)                642320.09
 4290842.63       44.51888  (14120720)
       642360.09   4290842.63       41.18369  (14120720)                642400.09
 4290842.63       37.71270  (14120720)
       642440.09   4290842.63       34.76361  (16121108)                642480.09
 4290842.63       32.84552  (14013003)
       642520.09   4290842.63       31.02914  (14013003)                642560.09
 4290842.63       29.17631  (14013003)
       642600.09   4290842.63       27.33697  (14013003)                641920.09
 4290882.63       93.74639  (14013002)
       641960.09   4290882.63       85.01894  (17021520)                642000.09
 4290882.63       76.56738  (14021018)
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 4290882.63       56.14739  (16020921)
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       642280.09   4290882.63       46.28358  (16011701)                642320.09
 4290882.63       43.28350  (16011701)
       642360.09   4290882.63       39.93214  (18010422)                642400.09
 4290882.63       36.88828  (16021218)
       642440.09   4290882.63       34.63255  (14120720)                642480.09
 4290882.63       32.28235  (14120720)
       642520.09   4290882.63       29.85713  (14120720)                642560.09
 4290882.63       27.92864  (16121108)
       642600.09   4290882.63       26.55838  (14013003)                641450.64
 4290754.44      125.21089  (17020822)
       641490.64   4290754.44      141.56873  (15021802)                641530.64
 4290754.44      182.04274  (15011116)
       641570.64   4290754.44      191.88472  (15011116)                641610.64
 4290754.44      232.12183  (16020817)
       641650.64   4290754.44      257.58047  (18031818)                641450.64
 4290794.44      104.00917  (15021802)
       641490.64   4290794.44      120.00860  (15011116)                641530.64
 4290794.44      125.99141  (16011623)
       641570.64   4290794.44      148.27009  (16020817)                641610.64
 4290794.44      168.05510  (18020802)
       641650.64   4290794.44      203.19017  (18102717)                641450.64
 4290834.44       85.81120  (17021620)
       641490.64   4290834.44       96.34157  (14120505)                641530.64
 4290834.44      109.84880  (16021701)
       641570.64   4290834.44      124.21598  (18020218)                641610.64
 4290834.44      130.31938  (18020802)
       641650.64   4290834.44      179.06485  (17031618)

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***        13:19:08

                                   PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  BREATHIN ***
                                    INCLUDING SOURCE(S):     STCK2       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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641364.31	4290506.68	102.75040	(15121122)	641404.31	4290506.68	119.71443	(18020818)
641284.31	4290546.68	79.64844	(16012421)	641324.31	4290546.68	91.46508	(16012421)
641364.31	4290546.68	106.18304	(16012421)	641404.31	4290546.68	126.30039	(14022219)
641284.31	4290586.68	81.44120	(14120903)	641324.31	4290586.68	93.19573	(14120903)
641364.31	4290586.68	108.22535	(14120903)	641404.31	4290586.68	127.88015	(14120717)
641284.31	4290626.68	77.10261	(16021202)	641324.31	4290626.68	87.38328	(16021202)
641364.31	4290626.68	100.62251	(16021202)	641404.31	4290626.68	117.20002	(16021202)
641284.31	4290666.68	74.93209	(15011919)	641324.31	4290666.68	85.63538	(15011919)
641364.31	4290666.68	99.18146	(15011919)	641404.31	4290666.68	114.77810	(17021503)
641284.31	4290706.68	73.35262	(16022805)	641324.31	4290706.68	83.88487	(14013020)
641364.31	4290706.68	97.03450	(14013020)	641404.31	4290706.68	111.37057	(17021218)
641284.31	4290746.68	71.55582	(17021218)	641324.31	4290746.68	80.49607	(14120908)
641364.31	4290746.68	92.64359	(18020921)	641404.31	4290746.68	106.35372	(18020921)
641284.31	4290786.68	69.71582	(18020921)	641324.31	4290786.68	76.39203	(18020921)
641364.31	4290786.68	87.58559	(17020822)	641404.31	4290786.68	98.58334	(17020822)
641284.31	4290826.68	66.53565	(17020822)	641324.31	4290826.68	72.95117	(17020822)
641364.31	4290826.68	79.26207	(15021802)	641404.31	4290826.68	82.44169	(15021802)
641284.31	4290866.68	61.64665	(15021802)	641324.31	4290866.68	64.29234	(15021802)
641364.31	4290866.68	63.36172	(15021802)	641404.31	4290866.68	70.06506	(17021620)
641268.28	4290889.76	56.28804	(15021802)	641308.28	4290889.76	57.00728	(15021802)
641348.28	4290889.76	57.76244	(17021620)	641388.28	4290889.76	63.52167	(15020801)

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 4290889.76       77.24025  (17021219)
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 4290889.76       93.69719  (18020802)
       641588.28   4290889.76       94.20369  (14020502)                641628.28
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       642188.28   4290889.76       53.09479  (15010721)                642228.28
 4290889.76       50.16095  (15010721)
       642268.28   4290889.76       46.01752  (16011701)                642308.28
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 4290889.76       37.62735  (18010422)
       642428.28   4290889.76       34.96601  (14120720)                641268.28
 4290929.76       46.26121  (15021802)
       641308.28   4290929.76       49.75390  (17021620)                641348.28
 4290929.76       53.46765  (15021624)
       641388.28   4290929.76       58.26716  (16011623)                641428.28
 4290929.76       63.51796  (17021219)
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       641628.28   4290929.76      101.03317  (17031618)                642188.28
 4290929.76       44.89040  (16020921)
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 4290929.76       37.99013  (16011701)
       642388.28   4290929.76       36.40421  (16011701)                642428.28
 4290929.76       34.27041  (16011701)
       641268.28   4290969.76       43.18247  (17021620)                641308.28
 4290969.76       45.96323  (18010924)
       641348.28   4290969.76       49.61145  (16011623)                641388.28
 4290969.76       53.45784  (14121223)
       641428.28   4290969.76       58.45666  (16021701)                641468.28
 4290969.76       63.13974  (18020218)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  BREATHIN ***
                                  INCLUDING SOURCE(S):     STCK2       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF TOG IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641508.28	4290969.76	67.01060	(18020802)	641548.28	4290969.76	65.48003	(14020502)
641588.28	4290969.76	66.20113	(15072824)	641628.28	4290969.76	87.39117	(17031618)
641668.28	4290969.76	88.55750	(17031618)	641708.28	4290969.76	83.90278	(17111516)
641748.28	4290969.76	75.31569	(17020903)	641788.28	4290969.76	74.32405	(17010416)
641828.28	4290969.76	70.95404	(18020320)	641868.28	4290969.76	67.85932	(14122319)
641908.28	4290969.76	67.18089	(17021519)	641948.28	4290969.76	67.21950	(15021022)
642188.28	4290969.76	42.14606	(16013022)	642228.28	4290969.76	39.23053	(18010219)
642268.28	4290969.76	38.11028	(16020921)	642308.28	4290969.76	37.59328	(16020921)
642348.28	4290969.76	36.27271	(15010721)	642388.28	4290969.76	34.28856	(15010721)
642428.28	4290969.76	32.10108	(16011701)	641268.28	4291009.76	40.21167	(18010924)
641308.28	4291009.76	42.96366	(16011623)	641348.28	4291009.76	46.02319	(14121223)
641388.28	4291009.76	49.83622	(16021701)	641428.28	4291009.76	53.35769	(18020218)
641468.28	4291009.76	56.44656	(16021024)	641508.28	4291009.76	57.79735	(18020802)
641548.28	4291009.76	55.46992	(18080523)	641588.28	4291009.76	58.61330	(17031618)
641628.28	4291009.76	74.81999	(17031618)	641668.28	4291009.76	70.43668	(17031618)
641708.28	4291009.76	68.87549	(17111516)	641748.28	4291009.76	64.89782	(17020903)
641788.28	4291009.76	64.11982	(14012518)	641828.28	4291009.76	62.53079	(18020320)
641868.28	4291009.76	59.55130	(17021521)	641908.28	4291009.76	56.34834	(14011518)
641948.28	4291009.76	58.44284	(17021519)	642188.28	4291009.76	40.30176	(16121022)
642228.28	4291009.76	37.09023	(16013022)	642268.28	4291009.76	34.63730	(18010219)
642308.28	4291009.76	32.46647	(16011624)	642348.28	4291009.76	32.73664	(16020921)

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       641348.28   4291049.76       43.14623  (16021701)               641388.28
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       641428.28   4291049.76       48.34031  (15020718)               641468.28
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 4291049.76       28.53102  (16020921)
       642428.28   4291049.76       28.44409  (16020921)               641268.28
 4291089.76       35.45007  (14121223)
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 4291089.76       39.64470  (16021701)
       641388.28   4291089.76       42.41480  (18020218)               641428.28
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       641468.28   4291089.76       44.36707  (14020502)               641508.28
 4291089.76       42.73356  (14012318)
       641548.28   4291089.76       44.29766  (15072824)               641588.28
 4291089.76       49.87254  (17031618)
       641628.28   4291089.76       54.35735  (17031618)               641668.28
 4291089.76       49.24194  (17111516)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  BREATHIN ***
                                  INCLUDING SOURCE(S):     STCK2       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641708.28	4291089.76	49.03409	(15081622)	641748.28	4291089.76	50.11496	(17020903)
641788.28	4291089.76	49.91786	(14120307)	641828.28	4291089.76	48.74151	(18020320)
641868.28	4291089.76	46.72307	(17021619)	641908.28	4291089.76	45.55775	(14122319)
641948.28	4291089.76	43.53628	(14011518)	641988.28	4291089.76	45.15236	(17021519)
642028.28	4291089.76	44.56098	(15021022)	642068.28	4291089.76	42.32845	(14013002)
642108.28	4291089.76	39.46256	(14013002)	642148.28	4291089.76	37.63330	(17021520)
641268.28	4291129.76	33.38504	(16021701)	641308.28	4291129.76	35.26444	(16021701)
641348.28	4291129.76	37.44953	(18020218)	641388.28	4291129.76	38.97570	(16021024)
641428.28	4291129.76	40.12448	(18020802)	641468.28	4291129.76	38.39441	(14020502)
641508.28	4291129.76	38.62648	(18080523)	641548.28	4291129.76	40.14553	(18052903)
641588.28	4291129.76	45.05176	(17031618)	641628.28	4291129.76	46.38367	(17031618)
641668.28	4291129.76	43.70364	(17111516)	641708.28	4291129.76	43.80289	(15081622)
641748.28	4291129.76	44.72071	(17020903)	641788.28	4291129.76	44.71043	(14120401)
641828.28	4291129.76	43.23976	(18020320)	641868.28	4291129.76	42.45320	(18020320)
641908.28	4291129.76	41.20238	(17021521)	641948.28	4291129.76	39.62483	(14120806)
641988.28	4291129.76	39.57399	(17021519)	642028.28	4291129.76	40.33353	(16121222)
642068.28	4291129.76	38.96727	(14120407)	642108.28	4291129.76	37.40969	(14013002)
642148.28	4291129.76	35.09068	(17021520)	641374.56	4290226.75	79.55071	(18020418)
641414.56	4290226.75	84.11373	(15021323)	641454.56	4290226.75	90.21124	(16010301)
641494.56	4290226.75	96.83478	(14021718)	641534.56	4290226.75	101.26647	(15010718)

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 4290226.75      112.80937  (15120619)
       641654.56   4290226.75      115.33151  (14020301)               641694.56
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       641734.56   4290226.75      114.31833  (18010719)               641774.56
 4290226.75      120.71454  (14051219)
       641814.56   4290226.75      108.78291  (18010318)               641854.56
 4290226.75      107.26743  (18012817)
       641894.56   4290226.75      114.67180  (18012817)               641934.56
 4290226.75       97.20910  (18012817)
       641974.56   4290226.75       85.13254  (16012520)               642014.56
 4290226.75       72.78640  (14120102)
       642054.56   4290226.75       68.59904  (14021320)               642094.56
 4290226.75       63.20904  (14120622)
       642134.56   4290226.75       58.35774  (15021324)               642174.56
 4290226.75       53.86488  (16022123)
       642214.56   4290226.75       50.51284  (16021407)               642254.56
 4290226.75       47.03433  (15021204)
       642294.56   4290226.75       44.29509  (18011620)               642334.56
 4290226.75       40.83028  (18122307)
       642374.56   4290226.75       38.43272  (18020924)               642414.56
 4290226.75       35.87972  (18020924)
       642454.56   4290226.75       32.81075  (18020924)               642494.56
 4290226.75       29.49091  (18020924)
       642534.56   4290226.75       26.13691  (18020924)               642574.56
 4290226.75       22.89645  (18020924)
       642614.56   4290226.75       20.03126  (18020123)               641374.56
 4290266.75       84.26152  (18020702)
       641414.56   4290266.75       93.77003  (18020418)               641454.56
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       641494.56   4290266.75      107.48694  (14021718)               641534.56
 4290266.75      117.72957  (16022819)
       641574.56   4290266.75      122.87937  (18020119)               641614.56
 4290266.75      130.22435  (14021719)
       641654.56   4290266.75      134.09766  (18121517)               641694.56
 4290266.75      138.68218  (15011821)
       641734.56   4290266.75      136.27861  (18052819)               641774.56
 4290266.75      141.46982  (14051219)
       641814.56   4290266.75      126.10634  (15012721)               641854.56
 4290266.75      140.46470  (18012817)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  BREATHIN ***
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INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641894.56	4290266.75	134.62954	(18012817)	641934.56	4290266.75	106.52157	(15021418)
641974.56	4290266.75	85.94597	(14022106)	642014.56	4290266.75	80.94266	(14021320)
642054.56	4290266.75	74.11631	(14120622)	642094.56	4290266.75	67.71442	(15021324)
642134.56	4290266.75	62.05365	(18120403)	642174.56	4290266.75	57.65880	(16021407)
642214.56	4290266.75	53.83231	(17013017)	642254.56	4290266.75	49.54161	(18011620)
642294.56	4290266.75	45.93602	(18122307)	642334.56	4290266.75	42.65703	(18020924)
642374.56	4290266.75	38.79602	(18020924)	642414.56	4290266.75	34.57417	(18020924)
642454.56	4290266.75	30.34299	(18020924)	642494.56	4290266.75	26.29245	(18020924)
642534.56	4290266.75	22.99814	(18020123)	642574.56	4290266.75	21.66085	(18013122)
642614.56	4290266.75	20.35687	(18013122)	641374.56	4290306.75	92.19823	(14022218)
641414.56	4290306.75	100.24641	(18020702)	641454.56	4290306.75	112.65075	(18020418)
641494.56	4290306.75	120.55294	(15021323)	641534.56	4290306.75	133.15215	(14021718)
641574.56	4290306.75	141.00892	(15010718)	641614.56	4290306.75	152.12542	(18010118)
641654.56	4290306.75	159.53265	(15021120)	641694.56	4290306.75	164.74331	(15011821)
641734.56	4290306.75	171.56034	(18052819)	641774.56	4290306.75	170.45445	(14051219)
641814.56	4290306.75	156.10751	(18012817)	641854.56	4290306.75	181.70771	(18012817)
641894.56	4290306.75	150.55923	(18012817)	641934.56	4290306.75	110.90705	(16012520)
641974.56	4290306.75	97.34559	(14021320)	642014.56	4290306.75	88.70810	(14120622)
642054.56	4290306.75	79.92732	(15021324)	642094.56	4290306.75	72.82277	(15010820)

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       642134.56   4290306.75       69.05120  (17013017)               642174.56
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       642294.56   4290306.75       46.85765  (18020924)               642334.56
 4290306.75       41.35323  (18020924)
       642374.56   4290306.75       35.78622  (18020924)               642414.56
 4290306.75       30.53627  (18020924)
       642454.56   4290306.75       26.72690  (18013122)               642494.56
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       642534.56   4290306.75       23.24114  (18013122)               642574.56
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       642614.56   4290306.75       30.54828  (16022120)               641374.56
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       641494.56   4290346.75      139.08185  (18020418)               641534.56
 4290346.75      151.11121  (18121506)
       641574.56   4290346.75      168.17261  (16022819)               641614.56
 4290346.75      178.91567  (18020119)
       641654.56   4290346.75      193.62956  (15120619)               641694.56
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       641734.56   4290346.75      224.81937  (18052819)               641774.56
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       641894.56   4290346.75      154.52973  (18012817)               641934.56
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       641974.56   4290346.75      110.28161  (17013117)               642014.56
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       642054.56   4290346.75       87.45873  (16021407)               642094.56
 4290346.75       90.00594  (17013017)
       642134.56   4290346.75       78.60077  (17013017)               642174.56
 4290346.75       64.81662  (18020924)
       642214.56   4290346.75       58.18458  (18020924)               642254.56
 4290346.75       50.67480  (18020924)
       642294.56   4290346.75       43.15374  (18020924)               642334.56
 4290346.75       36.15095  (18020924)
       642374.56   4290346.75       31.71567  (18013122)               642414.56
 4290346.75       29.23476  (18013122)
       642454.56   4290346.75       27.16758  (14013001)               642494.56
 4290346.75       25.66035  (14013001)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
642534.56	4290346.75	24.23808	(14012924)	642574.56	4290346.75	22.84502	(14012924)
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641414.56	4290386.75	118.95284	(14022803)	641454.56	4290386.75	134.16870	(15120808)
641494.56	4290386.75	152.32877	(18020702)	641534.56	4290386.75	176.65942	(18020418)
641574.56	4290386.75	195.07009	(16010301)	641614.56	4290386.75	218.46113	(16022819)
641654.56	4290386.75	239.59868	(14021719)	641694.56	4290386.75	249.03169	(16022921)
641734.56	4290386.75	311.03485	(14051219)	641774.56	4290386.75	236.65101	(14051219)
641814.56	4290386.75	329.42206	(18012817)	641854.56	4290386.75	263.44618	(18012817)
641894.56	4290386.75	156.72859	(14120102)	641934.56	4290386.75	154.25045	(17013117)
641974.56	4290386.75	120.62990	(18012304)	642014.56	4290386.75	122.84163	(17013017)
642054.56	4290386.75	117.17737	(17013017)	642094.56	4290386.75	91.37551	(17013017)
642134.56	4290386.75	75.01156	(18020924)	642174.56	4290386.75	64.20123	(18020924)
642214.56	4290386.75	53.44767	(18020924)	642254.56	4290386.75	43.67063	(18020924)
642294.56	4290386.75	38.41730	(18013122)	642334.56	4290386.75	34.92701	(14013001)
642374.56	4290386.75	32.61499	(14013001)	642414.56	4290386.75	30.45506	(14012924)
642454.56	4290386.75	28.38624	(14012924)	642494.56	4290386.75	26.36164	(14012924)
642534.56	4290386.75	24.41619	(14012924)	642574.56	4290386.75	23.00916	(18011619)
642614.56	4290386.75	21.66596	(15020222)	641374.56	4290426.75	105.49450	(14120218)

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       641414.56   4290426.75      129.20646  (14120218)               641454.56
 4290426.75      148.96267  (14020619)
       641494.56   4290426.75      169.44997  (14022803)               641534.56
 4290426.75      200.30543  (14022218)
       641574.56   4290426.75      238.47189  (18020418)               641614.56
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       641654.56   4290426.75      311.46194  (14032018)               641694.56
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       641734.56   4290426.75      457.85216  (14051219)               641774.56
 4290426.75      401.77318  (18012817)
       641814.56   4290426.75      460.65098  (18012817)               641854.56
 4290426.75      262.73434  (18012817)
       641894.56   4290426.75      228.55801  (17013117)               641934.56
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       641974.56   4290426.75      181.65757  (17013017)               642014.56
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       642054.56   4290426.75      102.08781  (18020924)               642094.56
 4290426.75       85.26094  (18020924)
       642134.56   4290426.75       68.71506  (18020924)               642174.56
 4290426.75       54.20568  (18020924)
       642214.56   4290426.75       47.69731  (18013122)               642254.56
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       642294.56   4290426.75       40.09838  (14012924)               642334.56
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       642374.56   4290426.75       33.48960  (14012924)               642414.56
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       642614.56   4290426.75       21.79584  (15020222)               641374.56
 4290466.75      108.23682  (18033018)
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       641494.56   4290466.75      191.54906  (14120218)               641534.56
 4290466.75      230.51786  (14022803)
       641574.56   4290466.75      283.12005  (14022218)               641614.56
 4290466.75      343.32400  (18020418)
       641654.56   4290466.75      423.82735  (14032018)               641694.56
 4290466.75      615.21842  (15031518)
       641734.56   4290466.75      746.37018  (14051219)               641774.56
 4290466.75      744.03044  (18012817)
       641814.56   4290466.75      568.83631  (18012817)               641854.56
 4290466.75      370.94200  (17013117)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08

                                  PAGE  85
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641894.56	4290466.75	267.07186	(17013017)	641934.56	4290466.75	272.77938	(17013017)
641974.56	4290466.75	183.38079	(17013017)	642014.56	4290466.75	121.12921	(18020924)
642054.56	4290466.75	93.06490	(18020924)	642094.56	4290466.75	71.49214	(18013122)
642134.56	4290466.75	62.87532	(14013001)	642174.56	4290466.75	56.34987	(14012924)
642214.56	4290466.75	50.23245	(14012924)	642254.56	4290466.75	44.94441	(18011619)
642294.56	4290466.75	40.90947	(15020222)	642334.56	4290466.75	37.43370	(15020222)
642374.56	4290466.75	34.23804	(15020222)	642414.56	4290466.75	31.32412	(15020222)
642454.56	4290466.75	28.79847	(18120621)	642494.56	4290466.75	26.84565	(18120621)
642534.56	4290466.75	25.05945	(18120621)	642574.56	4290466.75	23.41035	(18120621)
642614.56	4290466.75	21.90659	(18120621)	641920.09	4290522.63	208.07280	(18020924)
641960.09	4290522.63	180.32995	(15011516)	642000.09	4290522.63	143.33214	(15011516)
642040.09	4290522.63	109.71906	(15011516)	642080.09	4290522.63	82.89033	(15011516)
642120.09	4290522.63	69.70385	(15020222)	642160.09	4290522.63	60.37607	(15020222)
642200.09	4290522.63	53.49001	(18120621)	642240.09	4290522.63	47.71747	(18120621)
642280.09	4290522.63	43.24171	(14120819)	642320.09	4290522.63	39.45871	(14120819)
642360.09	4290522.63	36.13243	(14120819)	642400.09	4290522.63	33.20041	(14120819)
642440.09	4290522.63	30.60315	(14120819)	642480.09	4290522.63	28.31171	(14120819)

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 4290522.63       24.45029  (14120819)
       642600.09   4290522.63       22.81596  (14120819)                641920.09
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       641960.09   4290562.63      165.83136  (15011516)                642000.09
 4290562.63      118.69269  (14120819)
       642040.09   4290562.63       98.69248  (14120819)                642080.09
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       642200.09   4290562.63       57.76247  (18022719)                642240.09
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       642040.09   4290602.63      121.10181  (18022719)                642080.09
 4290602.63      102.08184  (18022719)
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 4290602.63       49.01779  (18022719)
       642360.09   4290602.63       44.70545  (18022719)                642400.09
 4290602.63       41.00429  (18022719)
       642440.09   4290602.63       37.79915  (18022719)                642480.09
 4290602.63       34.99994  (18022719)
       642520.09   4290602.63       32.53771  (18022719)                642560.09
 4290602.63       30.35536  (18022719)
       642600.09   4290602.63       28.39061  (18022719)                641920.09
 4290642.63      275.78687  (16052319)
       641960.09   4290642.63      199.86565  (15032618)                642000.09
 4290642.63      154.22367  (15032618)
       642040.09   4290642.63      122.07335  (16021319)                642080.09
 4290642.63      102.19660  (16021319)
       642120.09   4290642.63       87.37887  (14120824)                642160.09
 4290642.63       76.28265  (14120824)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***       13:19:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
642200.09	4290642.63	67.32057	(14120824)	642240.09	4290642.63	59.93361	(14120824)
642280.09	4290642.63	53.77794	(14120824)	642320.09	4290642.63	48.77155	(16012522)
642360.09	4290642.63	44.61475	(16012522)	642400.09	4290642.63	41.02045	(16012522)
642440.09	4290642.63	37.88760	(16012522)	642480.09	4290642.63	35.13765	(16012522)
642520.09	4290642.63	32.70654	(16012522)	642560.09	4290642.63	30.54377	(16012522)
642600.09	4290642.63	28.59755	(16012522)	641920.09	4290682.63	483.27839	(16112016)
641960.09	4290682.63	280.72197	(16112016)	642000.09	4290682.63	143.81821	(16052319)
642040.09	4290682.63	116.02890	(14013003)	642080.09	4290682.63	98.52712	(17123120)
642120.09	4290682.63	85.46853	(14013008)	642160.09	4290682.63	75.29212	(16021319)
642200.09	4290682.63	67.39303	(16021319)	642240.09	4290682.63	60.55372	(16021319)
642280.09	4290682.63	54.64303	(16021319)	642320.09	4290682.63	49.51784	(16021319)
642360.09	4290682.63	45.05574	(16021319)	642400.09	4290682.63	41.15283	(16021319)
642440.09	4290682.63	37.72393	(16021319)	642480.09	4290682.63	34.76852	(14120824)
642520.09	4290682.63	32.41405	(14120824)	642560.09	4290682.63	30.29580	(14120824)
642600.09	4290682.63	28.37607	(14120824)	641920.09	4290722.63	396.12858	(16021917)
641960.09	4290722.63	213.42710	(16112016)	642000.09	4290722.63	197.80449	(16112016)

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       642040.09   4290722.63      141.41514  (16112016)                642080.09
 4290722.63       94.31777  (14013003)
       642120.09   4290722.63       83.59706  (14013003)                642160.09
 4290722.63       73.50682  (14013003)
       642200.09   4290722.63       64.41571  (14013003)                642240.09
 4290722.63       57.75470  (17123120)
       642280.09   4290722.63       52.35579  (17123120)                642320.09
 4290722.63       47.68683  (14013008)
       642360.09   4290722.63       43.85829  (14013008)                642400.09
 4290722.63       40.43358  (16021319)
       642440.09   4290722.63       37.67465  (16021319)                642480.09
 4290722.63       35.14088  (16021319)
       642520.09   4290722.63       32.81773  (16021319)                642560.09
 4290722.63       30.68853  (16021319)
       642600.09   4290722.63       28.73161  (16021319)                641920.09
 4290762.63      273.11188  (16021917)
       641960.09   4290762.63      244.79304  (16021917)                642000.09
 4290762.63      164.35391  (16021917)
       642040.09   4290762.63      103.70678  (16011701)                642080.09
 4290762.63       90.79448  (16112016)
       642120.09   4290762.63       79.58520  (14120720)                642160.09
 4290762.63       70.48438  (14120720)
       642200.09   4290762.63       62.07725  (14013003)                642240.09
 4290762.63       57.00272  (14013003)
       642280.09   4290762.63       51.93796  (14013003)                642320.09
 4290762.63       47.09351  (14013003)
       642360.09   4290762.63       42.61789  (18010417)                642400.09
 4290762.63       39.19853  (17123120)
       642440.09   4290762.63       36.48032  (17123120)                642480.09
 4290762.63       33.91586  (17123120)
       642520.09   4290762.63       31.61478  (14013008)                642560.09
 4290762.63       29.72935  (14013008)
       642600.09   4290762.63       27.95002  (14013008)                641920.09
 4290802.63      125.55674  (14021018)
       641960.09   4290802.63      147.30966  (16021917)                642000.09
 4290802.63      149.53843  (16021917)
       642040.09   4290802.63      117.19043  (16021917)                642080.09
 4290802.63       82.97490  (15010721)
       642120.09   4290802.63       75.04930  (16011701)                642160.09
 4290802.63       67.79301  (16011701)
       642200.09   4290802.63       60.57582  (16021218)                642240.09
 4290802.63       55.18249  (14120720)
       642280.09   4290802.63       49.84463  (14120720)                642320.09
 4290802.63       45.06611  (16121108)
       642360.09   4290802.63       42.14305  (14013003)                642400.09
 4290802.63       39.24194  (14013003)
       642440.09   4290802.63       36.36058  (14013003)                642480.09
 4290802.63       33.57343  (14013003)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
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*** AERMET - VERSION 19191 *** ***
*** 13:19:08

PAGE 87

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHIN ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
642520.09	4290802.63	31.01838	(18010417)	642560.09	4290802.63	28.96949	(18010417)
642600.09	4290802.63	27.33145	(17123120)	641920.09	4290842.63	108.02189	(17021520)
641960.09	4290842.63	95.96936	(14021018)	642000.09	4290842.63	86.10273	(16021917)
642040.09	4290842.63	94.96564	(16021917)	642080.09	4290842.63	82.81221	(16021917)
642120.09	4290842.63	68.02255	(15010721)	642160.09	4290842.63	62.49818	(15010721)
642200.09	4290842.63	57.73709	(16011701)	642240.09	4290842.63	53.22253	(16011701)
642280.09	4290842.63	48.41343	(18010422)	642320.09	4290842.63	44.51677	(14120720)
642360.09	4290842.63	41.18098	(14120720)	642400.09	4290842.63	37.70966	(14120720)
642440.09	4290842.63	34.76143	(16121108)	642480.09	4290842.63	32.84450	(14013003)
642520.09	4290842.63	31.02787	(14013003)	642560.09	4290842.63	29.17487	(14013003)
642600.09	4290842.63	27.33544	(14013003)	641920.09	4290882.63	93.74542	(14013002)
641960.09	4290882.63	85.01417	(17021520)	642000.09	4290882.63	76.56155	(14021018)
642040.09	4290882.63	69.52502	(16121022)	642080.09	4290882.63	63.43399	(16021917)
642120.09	4290882.63	59.96590	(16021917)	642160.09	4290882.63	56.14733	(16020921)
642200.09	4290882.63	53.43753	(15010721)	642240.09	4290882.63	49.32789	(15010721)

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       642280.09   4290882.63       46.28230  (16011701)                642320.09
 4290882.63       43.28109  (16011701)
       642360.09   4290882.63       39.92971  (18010422)                642400.09
 4290882.63       36.88595  (16021218)
       642440.09   4290882.63       34.63091  (14120720)                642480.09
 4290882.63       32.28038  (14120720)
       642520.09   4290882.63       29.85496  (14120720)                642560.09
 4290882.63       27.92713  (16121108)
       642600.09   4290882.63       26.55776  (14013003)                641450.64
 4290754.44      125.22796  (17020822)
       641490.64   4290754.44      141.58639  (15021802)                641530.64
 4290754.44      182.08270  (15011116)
       641570.64   4290754.44      191.88881  (15011116)                641610.64
 4290754.44      232.15055  (16020817)
       641650.64   4290754.44      257.71620  (18031818)                641450.64
 4290794.44      104.01635  (15021802)
       641490.64   4290794.44      120.02515  (15011116)                641530.64
 4290794.44      126.00962  (16011623)
       641570.64   4290794.44      148.29365  (16020817)                641610.64
 4290794.44      168.08192  (18020802)
       641650.64   4290794.44      203.24956  (18102717)                641450.64
 4290834.44       85.81993  (17021620)
       641490.64   4290834.44       96.35588  (14120505)                641530.64
 4290834.44      109.86536  (16021701)
       641570.64   4290834.44      124.22841  (18020218)                641610.64
 4290834.44      130.31907  (18020802)
       641650.64   4290834.44      179.14487  (17031618)

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***        13:19:08

                                   PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF TOG      IN MICROGRAMS/M**3
                    **
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      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        641284.31   4290506.68      341.79976  (16012421)               641324.31
 4290506.68      390.45566  (14022219)
        641364.31   4290506.68      446.60154  (14022219)               641404.31
 4290506.68      508.99014  (14022219)
        641284.31   4290546.68      348.84461  (14120717)               641324.31
 4290546.68      394.13063  (14120717)
        641364.31   4290546.68      450.52864  (14122119)               641404.31
 4290546.68      525.13054  (14121805)
        641284.31   4290586.68      346.31229  (16021202)               641324.31
 4290586.68      393.35382  (16021202)
        641364.31   4290586.68      452.82918  (16021202)               641404.31
 4290586.68      528.61925  (16021202)
        641284.31   4290626.68      326.20670  (15022623)               641324.31
 4290626.68      367.77436  (15022623)
        641364.31   4290626.68      419.52096  (15022623)               641404.31
 4290626.68      488.61627  (15011919)
        641284.31   4290666.68      320.69460  (17021503)               641324.31
 4290666.68      361.79164  (14012901)
        641364.31   4290666.68      415.89696  (16022805)               641404.31
 4290666.68      484.63806  (14013020)
        641284.31   4290706.68      318.50108  (14013020)               641324.31
 4290706.68      353.93231  (14013020)
        641364.31   4290706.68      405.70718  (17021218)               641404.31
 4290706.68      467.88302  (14120908)
        641284.31   4290746.68      307.61132  (14120908)               641324.31
 4290746.68      346.07574  (18020921)
        641364.31   4290746.68      387.78779  (18020921)               641404.31
 4290746.68      446.54940  (17020822)
        641284.31   4290786.68      291.95905  (14121802)               641324.31
 4290786.68      330.13292  (17020822)
        641364.31   4290786.68      367.22551  (17020822)               641404.31
 4290786.68      403.32226  (15021802)
        641284.31   4290826.68      283.46728  (17020822)               641324.31
 4290826.68      306.03151  (15021802)
        641364.31   4290826.68      315.14244  (15021802)               641404.31
 4290826.68      317.63169  (17021621)
        641284.31   4290866.68      253.53715  (15021802)               641324.31
 4290866.68      248.46844  (15021802)
        641364.31   4290866.68      267.25371  (17021620)               641404.31
 4290866.68      293.47377  (15021624)
        641268.28   4290889.76      225.88398  (15021802)               641308.28
 4290889.76      225.53904  (17021621)
        641348.28   4290889.76      248.26703  (17021620)               641388.28
 4290889.76      269.11192  (18010924)
        641428.28   4290889.76      296.54290  (14120505)               641468.28
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 4290889.76      325.09584  (16021701)
       641508.28   4290889.76      359.47907  (18020218)                641548.28
 4290889.76      389.87957  (18020802)
       641588.28   4290889.76      376.84608  (14020502)                641628.28
 4290889.76      417.27251  (17031618)
       642188.28   4290889.76      211.31519  (16020921)                642228.28
 4290889.76      210.96307  (16020921)
       642268.28   4290889.76      202.61948  (15010721)                642308.28
 4290889.76      188.58989  (15010721)
       642348.28   4290889.76      177.54587  (16011701)                642388.28
 4290889.76      168.70382  (16011701)
       642428.28   4290889.76      157.01776  (18010422)                641268.28
 4290929.76      194.80942  (17021620)
       641308.28   4290929.76      213.14521  (17021620)                641348.28
 4290929.76      229.51239  (18010924)
       641388.28   4290929.76      249.07783  (14120505)                641428.28
 4290929.76      270.26701  (17021219)
       641468.28   4290929.76      291.31865  (18020218)                641508.28
 4290929.76      317.32379  (15020718)
       641548.28   4290929.76      327.48205  (14020502)                641588.28
 4290929.76      318.86224  (18080523)
       641628.28   4290929.76      381.63487  (17031618)                642188.28
 4290929.76      195.76872  (17010422)
       642228.28   4290929.76      181.87518  (16011624)                642268.28
 4290929.76      178.55002  (16020921)
       642308.28   4290929.76      175.50293  (16020921)                642348.28
 4290929.76      168.69151  (15010721)
       642388.28   4290929.76      157.33234  (15010721)                642428.28
 4290929.76      149.66612  (16011701)
       641268.28   4290969.76      185.20006  (15020801)                641308.28
 4290969.76      198.97199  (18010924)
       641348.28   4290969.76      213.63569  (14120505)                641388.28
 4290969.76      229.52653  (17021219)
       641428.28   4290969.76      247.44751  (16021701)                641468.28
 4290969.76      266.90277  (18020218)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
641508.28	4290969.76	282.23201	(18020802)	641548.28	4290969.76	266.49159	(14020502)
641588.28	4290969.76	277.96090	(15072824)	641628.28	4290969.76	338.82217	(17031618)
641668.28	4290969.76	352.87703	(17031618)	641708.28	4290969.76	340.83734	(17111516)
641748.28	4290969.76	312.54645	(17020903)	641788.28	4290969.76	311.48726	(14120307)
641828.28	4290969.76	302.70946	(18020320)	641868.28	4290969.76	286.40838	(17021521)
641908.28	4290969.76	268.47492	(14120806)	641948.28	4290969.76	277.75952	(17021519)
642188.28	4290969.76	186.41019	(16121022)	642228.28	4290969.76	171.88921	(16013022)
642268.28	4290969.76	160.93547	(18010219)	642308.28	4290969.76	151.03619	(16020921)
642348.28	4290969.76	152.83824	(16020921)	642388.28	4290969.76	149.05568	(15010721)
642428.28	4290969.76	143.28866	(15010721)	641268.28	4291009.76	174.43229	(18010924)
641308.28	4291009.76	186.14017	(14120505)	641348.28	4291009.76	198.40587	(17021219)
641388.28	4291009.76	213.53641	(16021701)	641428.28	4291009.76	228.74529	(18020218)
641468.28	4291009.76	240.85615	(18020802)	641508.28	4291009.76	241.37551	(14020502)
641548.28	4291009.76	235.03298	(18080523)	641588.28	4291009.76	245.51771	(18052903)
641628.28	4291009.76	296.12334	(17031618)	641668.28	4291009.76	283.77013	(17031618)
641708.28	4291009.76	284.39573	(17111516)	641748.28	4291009.76	270.83975	(17020903)
641788.28	4291009.76	271.49238	(14120307)	641828.28	4291009.76	264.04646	(18020320)
641868.28	4291009.76	251.60884	(14012619)	641908.28	4291009.76	241.71942	(14120806)
641948.28	4291009.76	235.28182	(17021519)	642188.28	4291009.76	177.30736	(15021919)

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       642228.28   4291009.76      165.08843  (16121022)               642268.28
 4291009.76      152.99766  (16013022)
       642308.28   4291009.76      143.43080  (17010422)               642348.28
 4291009.76      135.02279  (16011624)
       642388.28   4291009.76      132.60435  (16020921)               642428.28
 4291009.76      132.39465  (16020921)
       641268.28   4291049.76      164.07703  (14120505)               641308.28
 4291049.76      173.61652  (17021219)
       641348.28   4291049.76      186.52233  (16021701)               641388.28
 4291049.76      197.35859  (18020218)
       641428.28   4291049.76      207.43665  (15020718)               641468.28
 4291049.76      215.42079  (18020802)
       641508.28   4291049.76      202.24222  (18042320)               641548.28
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       641588.28   4291049.76      218.83472  (16021702)               641628.28
 4291049.76      256.77723  (17031618)
       641668.28   4291049.76      233.76470  (16020818)               641708.28
 4291049.76      241.18084  (17111516)
       641748.28   4291049.76      237.75152  (17020903)               641788.28
 4291049.76      239.83329  (14120401)
       641828.28   4291049.76      230.95418  (14010818)               641868.28
 4291049.76      223.09992  (17021619)
       641908.28   4291049.76      217.15388  (14122319)               641948.28
 4291049.76      205.66170  (14011518)
       642188.28   4291049.76      165.50157  (14021018)               642228.28
 4291049.76      156.94296  (15021919)
       642268.28   4291049.76      147.49776  (16121022)               642308.28
 4291049.76      136.95928  (16013022)
       642348.28   4291049.76      128.97866  (17010422)               642388.28
 4291049.76      122.17587  (18010219)
       642428.28   4291049.76      114.96027  (16020921)               641268.28
 4291089.76      153.59786  (17021219)
       641308.28   4291089.76      164.38688  (16021701)               641348.28
 4291089.76      171.43269  (18020218)
       641388.28   4291089.76      181.77106  (18020218)               641428.28
 4291089.76      191.07116  (18020802)
       641468.28   4291089.76      187.25746  (14020502)               641508.28
 4291089.76      182.98172  (14012318)
       641548.28   4291089.76      189.52727  (15072824)               641588.28
 4291089.76      197.63212  (15032919)
       641628.28   4291089.76      221.49415  (17031618)               641668.28
 4291089.76      207.61247  (18062223)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***       13:19:08

                                  PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                  STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 4291089.76      205.58656  (14010818)
        641868.28   4291089.76      202.92357  (18020320)                641908.28
 4291089.76      195.51020  (17021521)
        641948.28   4291089.76      187.96451  (14120806)                641988.28
 4291089.76      183.49101  (17021519)
        642028.28   4291089.76      189.80230  (16121222)                642068.28
 4291089.76      183.18734  (14120407)
        642108.28   4291089.76      175.43363  (14013002)                642148.28
 4291089.76      164.24582  (17021520)
        641268.28   4291129.76      146.08602  (16021701)                641308.28
 4291129.76      151.22533  (16021701)
        641348.28   4291129.76      162.21436  (18020218)                641388.28
 4291129.76      168.60348  (16021024)
        641428.28   4291129.76      170.81935  (18020802)                641468.28
 4291129.76      161.22675  (18042320)
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 4291129.76      172.44411  (18052903)
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 4291129.76      190.73647  (17031618)
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 4291129.76      171.41097  (14012620)
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4290226.75      482.56596  (16022819)
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4290226.75      222.01622  (18011620)
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4290226.75      161.16896  (18020924)
       642454.56   4290226.75      142.05119  (18020924)                642494.56
4290226.75      122.67177  (18020924)
       642534.56   4290226.75      104.28164  (18020924)                642574.56
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       641414.56   4290266.75      410.40294  (18020702)                641454.56
4290266.75      461.69023  (18020418)
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4290266.75      538.03128  (14021718)
       641574.56   4290266.75      568.49610  (15010718)                641614.56
4290266.75      611.72659  (18010118)
       641654.56   4290266.75      646.86433  (15120619)                641694.56
4290266.75      661.32642  (16022921)
       641734.56   4290266.75      672.88485  (18010719)                641774.56
4290266.75      683.93463  (14051219)
       641814.56   4290266.75      623.37356  (18010318)                641854.56
4290266.75      674.01888  (18012817)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                               INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                 VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , STCK1   ,
                 STCK2   , VOL13   , VOL14   , VOL15   , VOL17
 ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF TOG   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
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 4290266.75   391.69872 (14021320)
        642054.56   4290266.75   352.89199 (15021324)   642094.56
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        642134.56   4290266.75   296.25375 (16021407)   642174.56
 4290266.75   272.45382 (15021204)
        642214.56   4290266.75   252.59787 (18011620)   642254.56
 4290266.75   231.20741 (18122307)
        642294.56   4290266.75   214.12286 (18020924)   642334.56
 4290266.75   192.91565 (18020924)
        642374.56   4290266.75   168.37530 (18020924)   642414.56
 4290266.75   143.51504 (18020924)
        642454.56   4290266.75   120.28349 (18020924)   642494.56
 4290266.75   112.96605 (18020123)
        642534.56   4290266.75   106.09391 (18013122)   642574.56
 4290266.75   98.74474 (18013122)
        642614.56   4290266.75   92.64691 (15011420)   641374.56
 4290306.75   404.91409 (14022803)
        641414.56   4290306.75   452.84351 (14022218)   641454.56
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 4290306.75   602.25502 (18121506)

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4290306.75      845.82131  (14051219)
       641814.56   4290306.75      743.22319  (15012720)              641854.56
4290306.75      893.27952  (18012817)
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4290306.75      516.38480  (18120321)
       641974.56   4290306.75      478.51465  (14021320)              642014.56
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       642054.56   4290306.75      382.13532  (16022123)              642094.56
4290306.75      348.52101  (16021407)
       642134.56   4290306.75      335.71845  (17013017)              642174.56
4290306.75      288.85925  (17013017)
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4290306.75      236.43628  (18020924)
       642294.56   4290306.75      203.96537  (18020924)              642334.56
4290306.75      171.14423  (18020924)
       642374.56   4290306.75      142.51352  (18020123)              642414.56
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       642454.56   4290306.75      122.97178  (18013122)              642494.56
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4290346.75      542.50801  (15120808)
       641494.56   4290346.75      604.44813  (18020702)              641534.56
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       641574.56   4290346.75      754.58284  (16010301)              641614.56
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       641654.56   4290346.75      918.98866  (14021719)              641694.56
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4290346.75      419.45011  (17013017)
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4290346.75      208.81404  (18020924)
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 4290346.75      135.26879  (14013001)
       642454.56   4290346.75      126.96406  (14012924)                642494.56
 4290346.75      119.52909  (14012924)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 4290386.75      764.92470  (18020702)
       641574.56   4290386.75      887.74639  (18020418)                641614.56
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 4290386.75     1256.53197  (18012817)
       641894.56   4290386.75      815.08712  (17013117)                641934.56
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 4290466.75      965.86571  (14120218)
       641574.56   4290466.75     1176.67221  (14022803)                641614.56
 4290466.75     1465.14128  (14022218)
       641654.56   4290466.75     1829.54648  (18121506)                641694.56
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       641814.56   4290466.75     2820.09252  (18012817)                641854.56
 4290466.75     1729.56783  (17013117)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       641894.56   4290466.75     1535.42366  (17013017)                641934.56
 4290466.75     1132.55747  (17013017)
       641974.56   4290466.75      673.99427  (18020924)                642014.56
 4290466.75      481.71964  (18020924)
       642054.56   4290466.75      397.19757  (15011516)                642094.56
 4290466.75      346.52906  (15011516)
       642134.56   4290466.75      294.49014  (14012924)                642174.56
 4290466.75      258.46735  (18011619)
       642214.56   4290466.75      231.37962  (15020222)                642254.56
 4290466.75      208.15791  (15020222)
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       642294.56   4290466.75      187.12792  (15020222)               642334.56
4290466.75      169.06269  (18120621)
       642374.56   4290466.75      155.56091  (18120621)               642414.56
4290466.75      143.16864  (18120621)
       642454.56   4290466.75      131.87170  (18120621)               642494.56
4290466.75      122.52422  (14120819)
       642534.56   4290466.75      115.15392  (14120819)               642574.56
4290466.75      108.28391  (14120819)
       642614.56   4290466.75      101.97732  (14120819)               641920.09
4290522.63     1119.70501  (15011516)
       641960.09   4290522.63      812.91090  (15011516)               642000.09
4290522.63      574.87814  (15011516)
       642040.09   4290522.63      433.81482  (15020222)               642080.09
4290522.63      367.78684  (18120621)
       642120.09   4290522.63      317.47642  (14120819)               642160.09
4290522.63      279.95372  (14120819)
       642200.09   4290522.63      248.46190  (14120819)               642240.09
4290522.63      221.85184  (14120819)
       642280.09   4290522.63      199.24939  (14120819)               642320.09
4290522.63      179.91052  (14120819)
       642360.09   4290522.63      163.21725  (14120819)               642400.09
4290522.63      149.22639  (15121617)
       642440.09   4290522.63      137.57336  (15121617)               642480.09
4290522.63      127.44550  (18022719)
       642520.09   4290522.63      119.97605  (18022719)               642560.09
4290522.63      113.21599  (18022719)
       642600.09   4290522.63      107.07337  (18022719)               641920.09
4290562.63      931.78070  (18022719)
       641960.09   4290562.63      734.88141  (18022719)               642000.09
4290562.63      599.33733  (18022719)
       642040.09   4290562.63      501.34783  (18022719)               642080.09
4290562.63      427.73891  (18022719)
       642120.09   4290562.63      370.77586  (18022719)               642160.09
4290562.63      325.54900  (18022719)
       642200.09   4290562.63      289.11691  (18022719)               642240.09
4290562.63      259.04796  (18022719)
       642280.09   4290562.63      233.93672  (18022719)               642320.09
4290562.63      212.70693  (18022719)
       642360.09   4290562.63      194.55899  (18022719)               642400.09
4290562.63      178.89798  (18022719)
       642440.09   4290562.63      165.26518  (18022719)               642480.09
4290562.63      153.32461  (18022719)
       642520.09   4290562.63      142.78734  (18022719)               642560.09
4290562.63      133.41414  (18022719)
       642600.09   4290562.63      125.01757  (18022719)               641920.09
4290602.63     1083.41095  (15032618)
       641960.09   4290602.63      808.90485  (14120824)               642000.09
4290602.63      651.96038  (14120824)
       642040.09   4290602.63      538.51553  (14120824)               642080.09
4290602.63      456.38797  (16012522)
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       642120.09   4290602.63      394.72214  (16012522)                642160.09
 4290602.63      345.81081  (16012522)
       642200.09   4290602.63      306.40250  (16012522)                642240.09
 4290602.63      273.91277  (16012522)
       642280.09   4290602.63      246.81037  (16012522)                642320.09
 4290602.63      223.93827  (16012522)
       642360.09   4290602.63      204.42126  (16012522)                642400.09
 4290602.63      187.60489  (16012522)
       642440.09   4290602.63      172.99586  (16012522)                642480.09
 4290602.63      160.20384  (16012522)
       642520.09   4290602.63      148.92779  (16012522)                642560.09
 4290602.63      139.04034  (18022719)
       642600.09   4290602.63      130.14585  (18022719)                641920.09
 4290642.63      976.42589  (14013003)
       641960.09   4290642.63      782.11587  (14013003)                642000.09
 4290642.63      626.31813  (17123120)
       642040.09   4290642.63      525.49786  (14013008)                642080.09
 4290642.63      450.52266  (14013008)
       642120.09   4290642.63      394.68349  (16021319)                642160.09
 4290642.63      347.57872  (16021319)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       642200.09   4290642.63      307.76436  (16021319)                642240.09
 4290642.63      273.83222  (16021319)
       642280.09   4290642.63      244.86729  (16021319)                642320.09
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4290642.63      220.06907  (14120824)
       642360.09   4290642.63      201.74854  (14120824)                642400.09
4290642.63      185.63586  (14120824)
       642440.09   4290642.63      171.39864  (14120824)                642480.09
4290642.63      158.76338  (14120824)
       642520.09   4290642.63      147.49496  (14120824)                642560.09
4290642.63      137.40082  (14120824)
       642600.09   4290642.63      128.27475  (14120824)                641920.09
4290682.63     1176.93475  (16112016)
       641960.09   4290682.63      820.16978  (16112016)                642000.09
4290682.63      602.32158  (14120720)
       642040.09   4290682.63      499.55353  (14013003)                642080.09
4290682.63      438.46290  (14013003)
       642120.09   4290682.63      379.17068  (14013003)                642160.09
4290682.63      329.38837  (18010417)
       642200.09   4290682.63      294.37080  (17123120)                642240.09
4290682.63      263.69506  (14013008)
       642280.09   4290682.63      240.28989  (14013008)                642320.09
4290682.63      218.90180  (14013008)
       642360.09   4290682.63      202.18878  (16021319)                642400.09
4290682.63      187.14760  (16021319)
       642440.09   4290682.63      173.38035  (16021319)                642480.09
4290682.63      160.81104  (16021319)
       642520.09   4290682.63      149.34849  (16021319)                642560.09
4290682.63      138.89317  (16021319)
       642600.09   4290682.63      129.31960  (16021319)                641920.09
4290722.63     1143.89122  (16021917)
       641960.09   4290722.63      763.42581  (16021917)                642000.09
4290722.63      544.47240  (15010721)
       642040.09   4290722.63      481.75443  (16011701)                642080.09
4290722.63      413.62216  (16021218)
       642120.09   4290722.63      364.69797  (14120720)                642160.09
4290722.63      317.51337  (16121108)
       642200.09   4290722.63      289.66471  (14013003)                642240.09
4290722.63      261.89670  (14013003)
       642280.09   4290722.63      234.67462  (14013003)                642320.09
4290722.63      212.24049  (18010417)
       642360.09   4290722.63      194.90985  (17123120)                642400.09
4290722.63      180.22446  (17123120)
       642440.09   4290722.63      166.26824  (17123120)                642480.09
4290722.63      155.59228  (14013008)
       642520.09   4290722.63      145.57161  (14013008)                642560.09
4290722.63      136.09924  (14013008)
       642600.09   4290722.63      128.45030  (16021319)                641920.09
4290762.63      687.96121  (16021917)
       641960.09   4290762.63      709.50148  (16021917)                642000.09
4290762.63      570.98610  (16021917)
       642040.09   4290762.63      429.94245  (15010721)                642080.09
4290762.63      380.93142  (16011701)
       642120.09   4290762.63      349.39342  (16011701)                642160.09
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 4290762.63      309.75487  (18010422)
       642200.09   4290762.63      279.58244  (14120720)                642240.09
 4290762.63      251.08980  (14120720)
       642280.09   4290762.63      225.61547  (16121108)                642320.09
 4290762.63      209.71831  (14013003)
       642360.09   4290762.63      194.64872  (14013003)                642400.09
 4290762.63      179.15823  (14013003)
       642440.09   4290762.63      163.87096  (14013003)                642480.09
 4290762.63      151.90323  (18010417)
       642520.09   4290762.63      141.43754  (17123120)                642560.09
 4290762.63      133.28020  (17123120)
       642600.09   4290762.63      125.25751  (17123120)                641920.09
 4290802.63      518.41504  (17021520)
       641960.09   4290802.63      453.73902  (15021919)                642000.09
 4290802.63      445.92967  (16021917)
       642040.09   4290802.63      407.35252  (16021917)                642080.09
 4290802.63      338.89678  (16020921)
       642120.09   4290802.63      318.99949  (15010721)                642160.09
 4290802.63      287.33225  (16011701)
       642200.09   4290802.63      268.84097  (16011701)                642240.09
 4290802.63      243.84938  (18010422)
       642280.09   4290802.63      221.45809  (14120720)                642320.09
 4290802.63      204.96229  (14120720)
       642360.09   4290802.63      186.47042  (14120720)                642400.09
 4290802.63      171.38384  (16121108)
       642440.09   4290802.63      161.02016  (14013003)                642480.09
 4290802.63      152.00979  (14013003)
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                        ***        13:19:08

                                   PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     VOL1        , VOL2
 , VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10
 , VOL11       , VOL12       , STCK1       ,
                 STCK2       , VOL13       , VOL14       , VOL15       , VOL17
 ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF TOG      IN MICROGRAMS/M**3
                  **
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```
      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        642520.09   4290802.63      142.42862  (14013003)                642560.09
 4290802.63      132.65082  (14013003)
        642600.09   4290802.63      122.94607  (14013003)                641920.09
 4290842.63      451.58015  (14013002)
        641960.09   4290842.63      404.08184  (17021520)                642000.09
 4290842.63      360.21858  (15021919)
        642040.09   4290842.63      324.21872  (16121022)                642080.09
 4290842.63      292.08289  (16021917)
        642120.09   4290842.63      268.86346  (16020921)                642160.09
 4290842.63      263.87335  (16020921)
        642200.09   4290842.63      248.85044  (15010721)                642240.09
 4290842.63      227.14322  (16011701)
        642280.09   4290842.63      215.37086  (16011701)                642320.09
 4290842.63      198.33468  (18010422)
        642360.09   4290842.63      182.49507  (16021218)                642400.09
 4290842.63      170.35488  (14120720)
        642440.09   4290842.63      158.53427  (14120720)                642480.09
 4290842.63      145.62803  (14120720)
        642520.09   4290842.63      136.18140  (16121108)                642560.09
 4290842.63      128.73775  (14013003)
        642600.09   4290842.63      122.96690  (14013003)                641920.09
 4290882.63      392.24934  (15021022)
        641960.09   4290882.63      360.71873  (14013002)                642000.09
 4290882.63      325.61983  (17021520)
        642040.09   4290882.63      295.18332  (15021919)                642080.09
 4290882.63      271.25596  (16121022)
        642120.09   4290882.63      243.52612  (16013022)                642160.09
 4290882.63      223.42260  (16011624)
        642200.09   4290882.63      219.76247  (16020921)                642240.09
 4290882.63      213.10887  (15010721)
        642280.09   4290882.63      201.09436  (15010721)                642320.09
 4290882.63      185.66038  (16011701)
        642360.09   4290882.63      177.76681  (16011701)                642400.09
 4290882.63      165.95044  (16011701)
        642440.09   4290882.63      153.99306  (18010422)                642480.09
 4290882.63      143.84743  (14120720)
        642520.09   4290882.63      136.19292  (14120720)                642560.09
 4290882.63      127.34662  (14120720)
        642600.09   4290882.63      118.49927  (16121108)                641450.64
 4290754.44      506.15854  (15021802)
        641490.64   4290754.44      540.87426  (15011116)                641530.64
 4290754.44      654.43385  (15011116)
        641570.64   4290754.44      694.03884  (14120505)                641610.64
 4290754.44      831.44882  (18020218)
        641650.64   4290754.44      910.83474  (15020720)                641450.64
 4290794.44      397.91071  (15011116)
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       641490.64   4290794.44      447.86986  (15021624)                641530.64
 4290794.44      516.13152  (14120505)
       641570.64   4290794.44      592.29238  (16021701)                641610.64
 4290794.44      671.26681  (18020802)
       641650.64   4290794.44      744.29785  (18102717)                641450.64
 4290834.44      356.52117  (18010924)
       641490.64   4290834.44      401.51944  (14120505)                641530.64
 4290834.44      453.54759  (16021701)
       641570.64   4290834.44      503.83048  (15020718)                641610.64
 4290834.44      516.33620  (14020502)
       641650.64   4290834.44      643.46944  (17031618)

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                         ***       13:19:08

                                   PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43680
HRS) RESULTS ***


                                    ** CONC OF TOG      IN MICROGRAMS/M**3
               **


                        NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

FUELING/  1ST HIGHEST VALUE IS      58.78465 AT (  641774.56,  4290466.75,
35.56,    35.56,    0.00)  DC
          2ND HIGHEST VALUE IS      51.17326 AT (  641814.56,  4290466.75,
35.58,    35.58,    0.00)  DC
          3RD HIGHEST VALUE IS      43.09803 AT (  641734.56,  4290466.75,
35.43,    35.43,    0.00)  DC
          4TH HIGHEST VALUE IS      32.78999 AT (  641814.56,  4290426.75,
36.07,    36.07,    0.00)  DC
          5TH HIGHEST VALUE IS      32.77978 AT (  641650.64,  4290754.44,
32.14,    32.14,    0.00)  DC
          6TH HIGHEST VALUE IS      31.67447 AT (  641854.56,  4290466.75,
35.66,    35.66,    0.00)  DC
          7TH HIGHEST VALUE IS      30.55332 AT (  641774.56,  4290426.75,
35.65,    35.65,    0.00)  DC
          8TH HIGHEST VALUE IS      30.21607 AT (  641694.56,  4290466.75,
35.23,    35.23,    0.00)  DC
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          9TH HIGHEST VALUE IS      25.92932 AT (  641854.56,  4290426.75,
36.15,    36.15,    0.00)  DC
         10TH HIGHEST VALUE IS      25.62197 AT (  641650.64,  4290794.44,
32.20,    32.20,    0.00)  DC

SPILL     1ST HIGHEST VALUE IS      58.83973 AT (  641774.56,  4290466.75,
35.56,    35.56,    0.00)  DC
          2ND HIGHEST VALUE IS      51.21839 AT (  641814.56,  4290466.75,
35.58,    35.58,    0.00)  DC
          3RD HIGHEST VALUE IS      43.12560 AT (  641734.56,  4290466.75,
35.43,    35.43,    0.00)  DC
          4TH HIGHEST VALUE IS      32.81344 AT (  641814.56,  4290426.75,
36.07,    36.07,    0.00)  DC
          5TH HIGHEST VALUE IS      32.76409 AT (  641650.64,  4290754.44,
32.14,    32.14,    0.00)  DC
          6TH HIGHEST VALUE IS      31.69113 AT (  641854.56,  4290466.75,
35.66,    35.66,    0.00)  DC
          7TH HIGHEST VALUE IS      30.57199 AT (  641774.56,  4290426.75,
35.65,    35.65,    0.00)  DC
          8TH HIGHEST VALUE IS      30.22899 AT (  641694.56,  4290466.75,
35.23,    35.23,    0.00)  DC
          9TH HIGHEST VALUE IS      25.94384 AT (  641854.56,  4290426.75,
36.15,    36.15,    0.00)  DC
         10TH HIGHEST VALUE IS      25.61105 AT (  641650.64,  4290794.44,
32.20,    32.20,    0.00)  DC

LOADING   1ST HIGHEST VALUE IS      43.85558 AT (  641650.64,  4290754.44,
32.14,    32.14,    0.00)  DC
          2ND HIGHEST VALUE IS      33.84489 AT (  641774.56,  4290466.75,
35.56,    35.56,    0.00)  DC
          3RD HIGHEST VALUE IS      33.00361 AT (  641650.64,  4290794.44,
32.20,    32.20,    0.00)  DC
          4TH HIGHEST VALUE IS      30.98205 AT (  641814.56,  4290466.75,
35.58,    35.58,    0.00)  DC
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 *** AERMET - VERSION  19191 ***   ***
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                                  PAGE  97
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** THE SUMMARY OF MAXIMUM PERIOD ( 43680
HRS) RESULTS ***


                                    ** CONC OF TOG      IN MICROGRAMS/M**3
               **


                        NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS     185.31280 AT (  641774.56,  4290466.75,
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                       ***        13:19:08

                                  PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF TOG      IN MICROGRAMS/M**3
               **

                                                        DATE
                                        NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Baseline Road Fuel
Station_TOG\Baseline Road Fu ***        08/18/25
 *** AERMET - VERSION  19191 ***   ***
                       ***        13:19:08

                                  PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of          996 Informational Message(s)

 A Total of        43680 Hours Were Processed

 A Total of          452 Calm Hours Identified

 A Total of          544 Missing Hours Identified (  1.25 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     191       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     191       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

BASELINE
MARKETPLACE

DESIGN GUIDELINES

BASELINE ROAD AND FIDDYMENT ROAD
ROSEVILLE, CALIFORNIA

AUGUST 2025

PROJECT TEAM

Developer:	Covenant Real Estate Group
Project Engineer:	Kimley-Horn
Landscape Architect: Guideline	Fuhrman-Leamy Land Group
Design Team:	Stantec Architecture Inc.
Principal In Charge:	Jay Baptista
Architect:	David Takeuchi
Design Team:	Genesis Ramos

TABLE OF CONTENTS

01 **PURPOSE**

02 **INTRODUCTION**

03 **VISION / APPROACH**

04 **BUILDING ZONES SITE PLAN**

05 **ARCHITECTURAL GUIDELINES**

06 **BUILDING TYPES**
- MAJOR & MINOR ANCHORS
- DRIVE THRU RESTAURANTS
- FUEL CENTERS
- INDIVIDUAL TENANT BUILDINGS
- CORNER BUILDINGS

15 **MASSING & ARTICULATION**
- BASE TREATMENT
- WALLS
- CORNICES & PARAPETS
- CANOPIES
- BUILDING LIGHTING
- BUILDING ARTICULATION

29 **MATERIALS & FINISHES**
- MATERIAL PALETTE
- MATERIAL BOARD
- COLORS

40 **SIGNAGE**
- SIGNAGE SITE PLAN

46 **LANDSCAPE GUIDELINES**
- PLANTING ZONES
- LANDSCAPE FEATURES
- SITE LIGHTING
- WATER MANAGEMENT

These Guidelines are intended to foster quality Design by way of establishing criteria for the site development, architecture, landscape, exterior signage and lighting.

The objective is to achieve a consistent, high quality development that encourages unique architecture yet is unified through a comprehensive approach to materials, colors, landscape and common elements.

An architectural review committee will be established as part of the CC&Rs and all projects will be subject to approval prior to submitting to the City of Roseville.

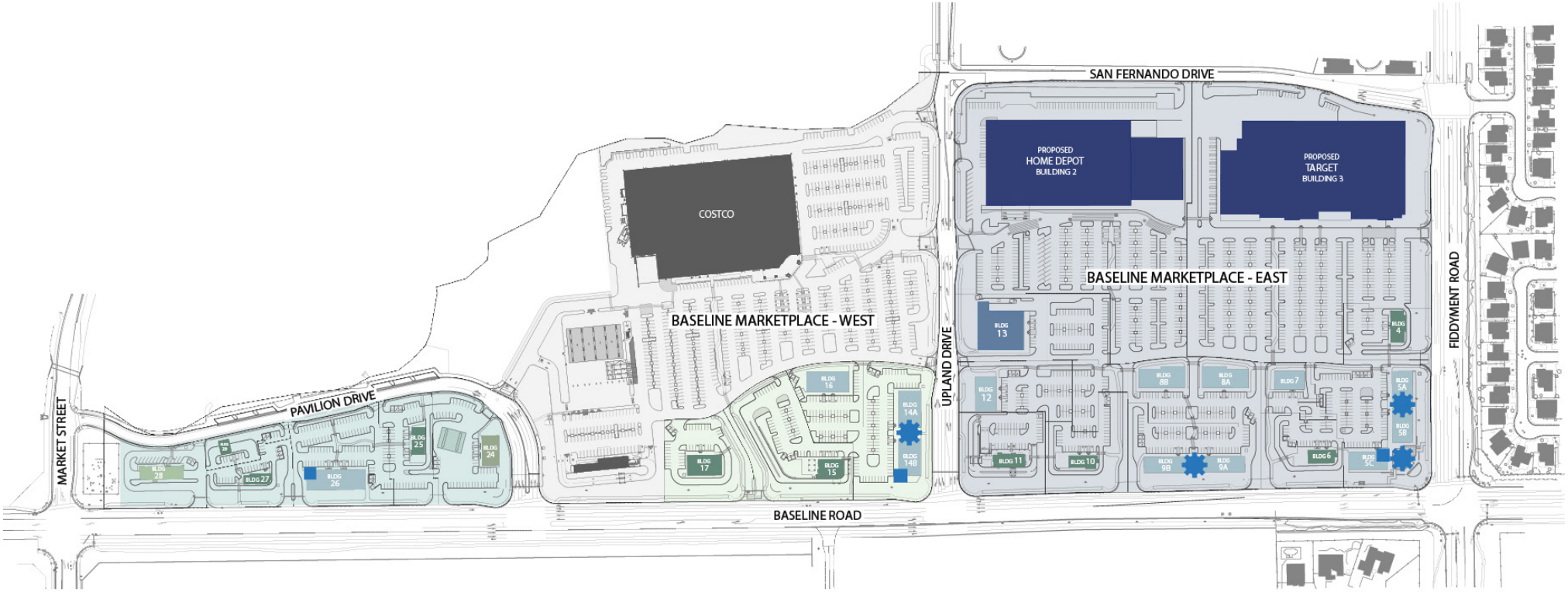
The Sierra Vista Specific Plan identifies this project as a commercial center consisting of three separate parcels; DF-40, 41, & 42. The intent is that they might develop individually but have an overall design intent that form an integrated shopping center.

The proposed site plan addresses the project as two distinct developments, Baseline Marketplace East and Baseline Marketplace West, separated by Upland Drive. It conforms to the Specific Plans' vision of a center anchored by several large plate retailers with supporting retails shops, businesses, restaurants and fuel centers. The plan establishes functional access and circulation for both vehicles and pedestrians along with an effective organization of buildings, parking and service areas.

The architectural approach is intended to establish a general theme that addresses form, massing, materials, colors and details for the project. In addition, the approach addresses complementary elements such as landscape, lighting, signage and plaza design to create an overall cohesive appearance.

The design vision is to create a modern design with a clean, natural color palette inspired by Mediterranean and California styles, evoking the spirit of the City of Roseville, Placer County and the Gold Rush era. The goal is to make this plaza into a statement destination with a modern aesthetic, green spaces, and inviting seating areas; drawing more customers and establishing it as a central hub for community gatherings. The unifying elements become the landscape, paving and accessory features that provide commonality. Building massing will encourage the use of both horizontal and vertical elements to create dynamic forms. Structural elements can be expressed, overhangs are encouraged along with covered walkways. The use of tower elements will be limited to anchoring of building mass or as a focal point. Materials might include stucco, stone veneer, black steel, porcelain tiles, metal panels and wood siding.

Baseline Marketplace is anchored by several large plate retailers with supporting retail shops, businesses and restaurants creating districts or "zones". These zones create the opportunity to establish their own distinct character including functional access and circulation for both vehicles and pedestrians along with an effective organization of buildings, parking and service areas.



The scale of the project is such that Architectural treatment would most effectively be addressed by building types or zones. Large floor plate buildings at the rear of the site warrant a different scale and treatment than shops closer to the street. Clusters of in-line shops will most likely be treated differently than a single stand-alone tenant. A few locations on site warrant special attention due to their proximity to corner entry drives or prominent street intersections.

Distinct Building Types include:

- Major Anchor
- Minor Anchor
- Multi-Tenant Buildings
- Individual Tenant Buildings
- Corner Buildings
- Drive-thru Restaurants
- Fuel Centers
- Car Washes

Individual tenant buildings, whether clustered or freestanding, should express unique architectural character while aligning with the marketplace's overall design language and the Baseline Marketplace base palette. All sides of each building must be thoughtfully treated, with attention to materials, articulation, and pedestrian experience. Design should prioritize walk-ability and comfort through storefront transparency, quality paving, covered walkways, and landscape integration. Variation in roof-lines, wall planes, signage, and lighting can create visual interest while maintaining cohesion. These buildings should balance individuality with continuity—supporting tenant identity while contributing to a unified, modern aesthetic rooted in Mediterranean and California styles.

Major Anchor

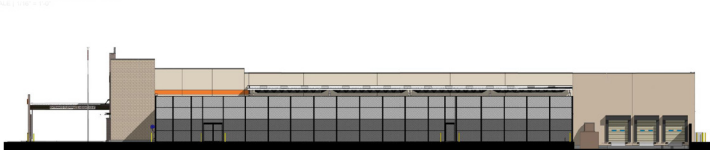
Baseline Marketplace is designed to be anchored by large retail tenants that provide goods and services beyond the local neighborhood. Due to their scale, these buildings must address the challenge of creating a human-scale environment through careful attention to form, proportion, and pedestrian-level detail. Materials follow the design guidelines of those major retailers, however they should complement the overall design palette, ensuring cohesion. All sides, including rear and sides, must be equally treated, and loading areas must be screened with compatible materials and methods.

Baseline Marketplace base palette elements shall include:

- Articulated Facade and Parapet
- Tile or Stone Wainscot
- Stone/Masonry Veneer
- White/Beige Body Colors
- Black or White Steel Architectural Elements

Major Anchor - The Home Depot

COMPLIMENTS MATERIAL BOARD A - BLUE THEME



Major Anchor - Target

COMPLIMENTS MATERIAL BOARD B - GREY THEME

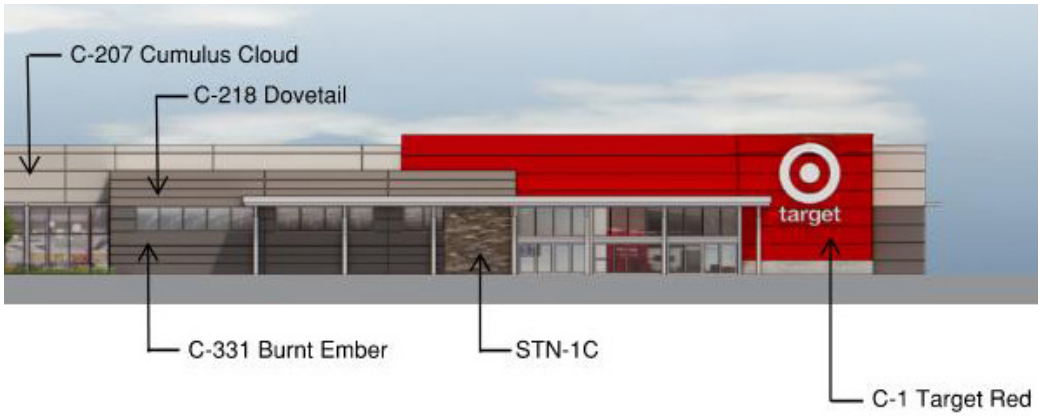
C-207 Cumulus Cloud

C-331 Burnt Ember

C-327 DoveTail

eifs - C-1 Target Red

STN-1C Coronado Stone Falmouth



Minor Anchor

Secondary or minor anchors such as grocery stores maybe included adjacent to large retail users. These buildings, although slightly smaller in scale, are encouraged to have unique architectural treatment but at the same time should complement the character of the adjacent buildings.

Baseline Marketplace base palette elements shall include:

- Articulated Facade and Parapet
- Tile or Stone Wainscot
- Masonry or Stone Veneer
- White & Beige Body Colors
- Black Steel Architectural Elements

Multi-Tenant Buildings

Clusters of shops and stand alone pad buildings containing multiple tenants form unique districts within the project area. These are intended to each have their own individual character as defined by the treatment of Architecture, use of materials, as well as comprehensive landscape and paving. Special attention must be paid to architectural treatment on all sides of the buildings. Strong pedestrian connection between clusters is desired. Base building heights to vary between 20 feet and 22 feet, with articulating parapet heights between 24 feet and 28 feet.

Individual Tenant Buildings

Similar to multi-tenant buildings, stand alone pad with individual tenants provide visual focal points of interests. These buildings are also intended to have their own individual character as defined by the treatment of Architecture, massing and roof forms, use of materials, as well as comprehensive landscape and paving. Special attention must be paid to architectural treatment on all sides of the buildings. Strong pedestrian connection to adjacent neighborhoods is desired. Base building heights to vary between 20 feet and 22 feet, with articulating parapet heights between 24 feet and 28 feet.

Corner Buildings

In addition to free standing pads, there are several prominent locations on site that are designed to accommodate feature corner buildings. These sites deserve special attention to massing, patios, and overhangs, emphasizing views from both the street and parking areas; and may be well suited for uses that take advantage of planned outdoor plazas such as cafes, restaurants, delis or coffee shops. Vertical depth of patios and overhangs shall be a minimum on 18 inches at corner buildings with direct access to a pedestrian area. Tenants should fully utilize connections to outdoor plazas, enhancing visibility and pedestrian engagement.

Projects on the corners of prominent intersections should be treated as community gateways and should be of the highest design quality. The corner of Baseline and Fiddyment and other high-traffic corners need to have significant architectural interest and prominence.

Fuel Center

The project includes land use for gas stations. Buildings should be placed to maximize front door visibility to the street for security and safety reasons. All structures, including canopies, should be placed internally and away from the street to reduce visual impact allowing the building to be highlighted. While also complementing the architectural character of the overall center incorporating appropriate colors and materials. While these uses often have unique architectural requirements, they should be designed to be compatible with the character of the overall project.

Baseline Marketplace base palette elements shall include:

- Articulated Facade and Parapet at Main Entrance
- Tile or Stone Wainscot
- Masonry or Stone Veneer
- White & Beige Body Colors
- Black Steel Architectural Elements

Drive-thru Restaurants

Drive-thru restaurants shall relate to the center and are encouraged to adopt a complementary scheme from the base palette of the overall center even while maintaining their own individual character. Signage should be the primary method of identification. The Baseline Marketplace design guidelines provides complimentary color schemes to suit a range of corporate building styles or colors. Special attention should be given to the treatment of materials, colors, landscaping and paving that conform to these Design Guidelines. Drive-thru aisles are to be screened to prevent headlight lumination towards Baseline Road by means of a landscape buffer or low wall which should not visually dominate the building.

Drive-thru Restaurant - Raising Cane's

Buildings throughout the project should approach Articulation and Massing by addressing three components: Base, Height, and Modulation.

Large retail tenants may have need for high volume spaces which will somewhat determine the overall height of the exterior facade. Careful attention to form, proportion, and details at the pedestrian level will be important.

The following elements should be addressed for each building:

- Walls
- Base Treatment
- Storefront & Glazing
- Parapets & Cornices
- Canopies
- Lighting
- Architectural Elements

Building Massing and height should conform to the Roseville Zoning Ordinance and Community Design Guidelines.

Other considerations:

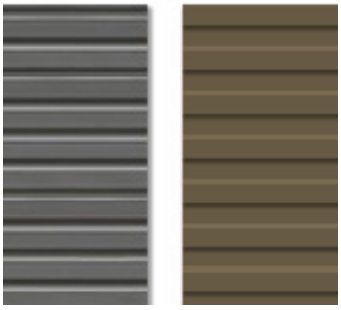
- Walls with base color shall be lower than corner and articulated parapet elements
- Stucco bands or pop outs used to achieve articulation is discouraged
- Wall mounted or visible roof exhaust will not be permitted.
- All mechanical systems to be screened

The Project may incorporate one tower element at each phase as a focal point which could exceed the allowable height limit. No Tower shall exceed 60 feet in height.

Walls

The primary body of a building may consist of any of the approved materials including stone, tile, block or stucco. Incorporation of the Baseline Marketplace Base Palette will be required to include cement stucco PT-1 in a sand finish. Window mullions and glazing also become significant wall elements. Metal panels, wood or fiber cement siding may be allowed on a limited basis.

Metal Panels



Baseline Marketplace Metal Panel Colors

Wood or Fiber Cement Siding

Base Treatment

The Base treatment of every project shall consider use of durable, high quality materials that will endure impact and exposure to shopping carts and other abuse.

The scale and texture of materials used should be appropriate to their location at the pedestrian level. Durable materials such as concrete, stone, stucco, or tile should be considered. Transitions from wall to pavement can be improved through the use of landscape elements such as potted plants adjacent to pedestrian traffic zones.

Storefront & Glazing

Black aluminum storefront framing shall be incorporated throughout Baseline Marketplace. The high contrast from the base palette will emphasize the entrances and facade, providing a heightened focus on design and impact. The addition of horizontal mullions is encouraged.

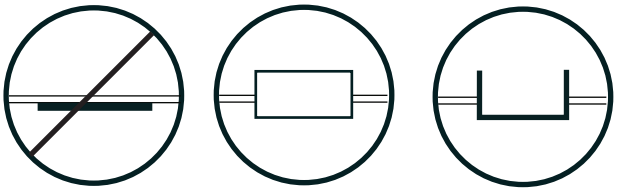
Glass shall be clear or have a light tint. Dark tints or reflective glass is discouraged. Where views into storage or work areas require obscured glass, frosted, sandblasted or white spandrel panels can be used.

Parapets & Cornices

Parapets shall vary in height and provide and accentuate the building articulation. They shall return over the roof or appear as a solid mass by a minimum of four feet. Variations in height shall be by a minimum of two feet. All parapets shall have a termination by a cornice.

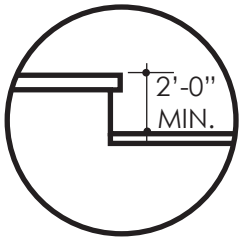
Parapet Diagrams

Partial Roof Plans at Parapet Conditions



Planes Mass Return

Minimum Parapet Variation in Height



Cornices visually terminate the top of the wall or parapet by a contrasting architectural cap, cornice or coping. The cap becomes the top of the frame for tenant identity and the supporting framework for signage, windows and canopies. Careful attention should be paid to the texture and color as related to tenant signage and color scheme. Ease of repair might be a consideration as well in the event of signage changes.

Canopies

Architectural elements such as canopies and awnings should be integrated into the design and consist of durable, high quality materials. These can add visual interest, afford protection from the weather and may provide a location for signage if within the business storefront.

The use of black steel brackets, columns, vertical supports, bracing and hanger rods are encouraged. Cantilevered systems are also acceptable.

Building Lighting

Lighting on buildings can have a dramatic effect on the mood, quality, and character of a commercial center.

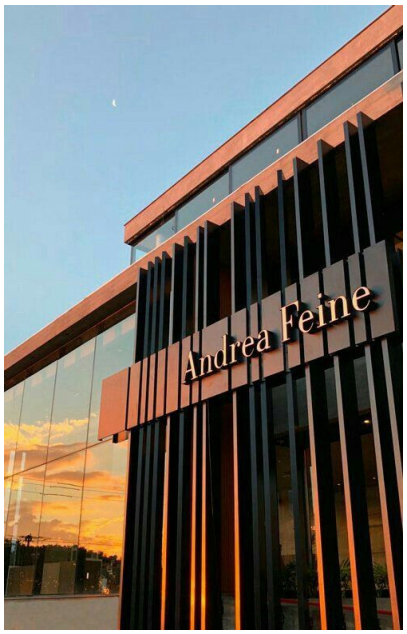
- Building mounted lighting fixtures should be placed to enhance the elements and proportions of the architecture.
- The color and intensity of lighting used on buildings should closely match that of the landscape and pedestrian walkways.
- All project lighting should focused downward whenever possible to avoid light pollution of the night sky.
- All light fixtures should be the highest quality, most energy efficient available and complement the architecture of the building.
- No exposed LED bands, fluorescent tubes, or light strips will be permitted.

BASELINE MARKETPLACE BASE PALETTE
OUTDOOR WALL LIGHTING
WAC LIGHTING
ARCHETYPE WS-W151918-18"
OUTDOOR WALL SCONCE
TEXTURED BLACK
13W LED / 1000 LED LUMEN'S
COLOR TEMP 3000K
TITLE 24 JA8 / ADA COMPLIANT

Architectural Elements

A key component to the guidelines is the consistent use of architectural elements throughout the project. Varied roof heights, breaks or steps in the roof and maintaining a minimum depth in the parapets shall be considered. Walls shall include black ornamental steel details to provide visual interest. Textures and vertical elements should be incorporated using high quality materials that span the height of the building to add visual interest.

Scuppers, internal downspouts and overflows shall be diverted to landscape areas and avoid being discharged onto pedestrian surfaces. Use of exposed gutters should be avoided. If used, cows tongue downspout nozzles shall be selected to minimize its obstruction at pedestrian walkways.

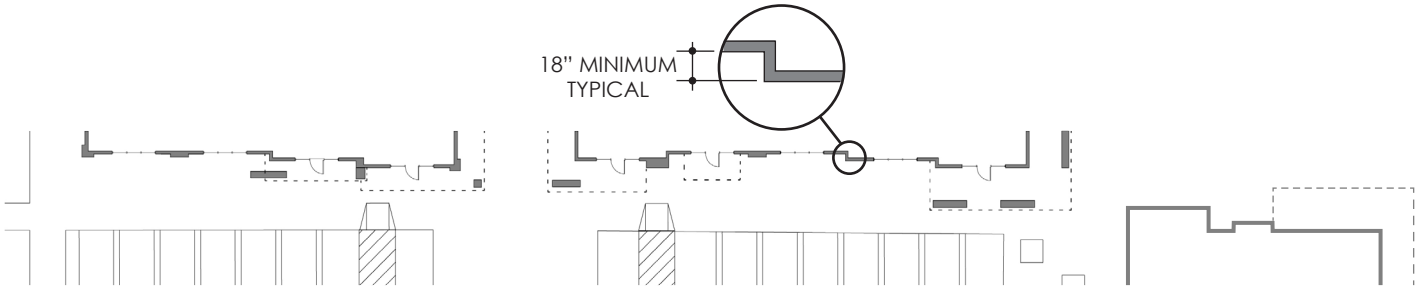


Building Articulation

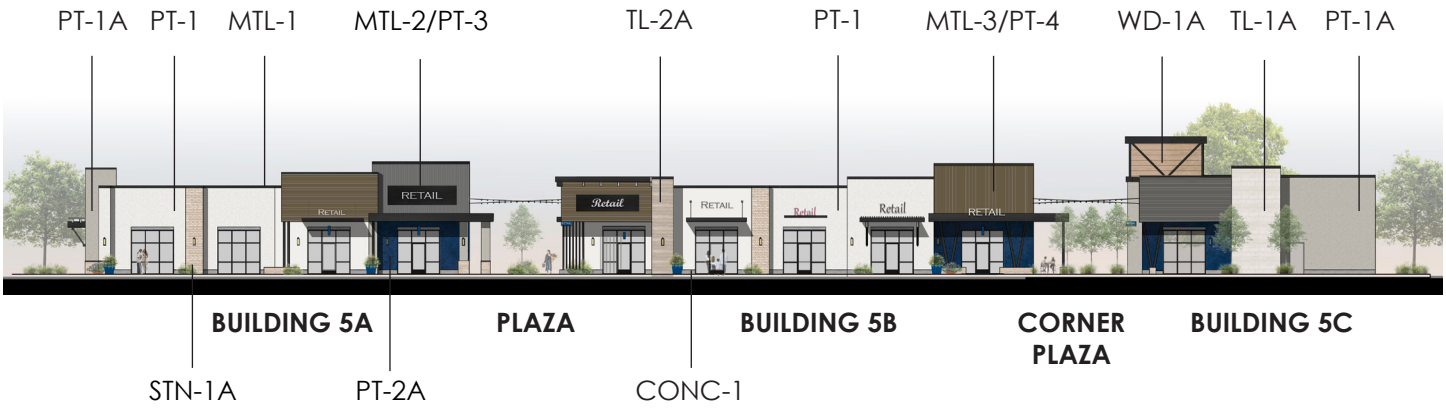
To provide addition interest to overall architectural aesthetic, the following key elements are to be implemented into each retail building:

- Base building height 20 feet to 22 feet
- Vertical parapet offsets of between 24 feet to 28 feet
- Horizontal facade articulation from the base building wall of a minimum of 18 inches
- Material Board A, B, or C
- Wainscot
- Horizontal Storefront to align with wainscot and door header
- Optional tile base

Buildings 5A, 5B, 5C Floor Plan Articulation



Buildings 5A, 5B, 5C Elevation Articulation: Material Board A

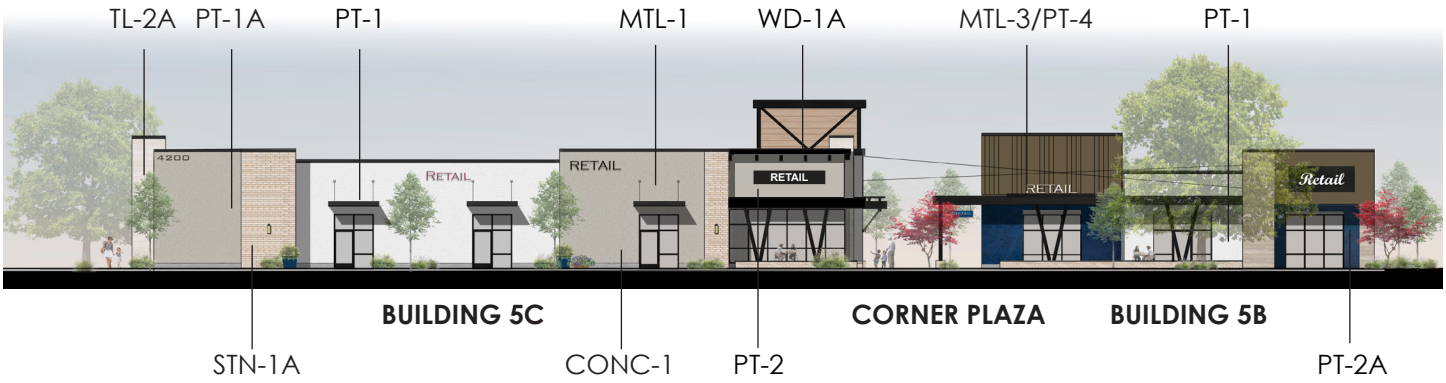


Buildings 5A & 5B Massing & Articulation Vignette

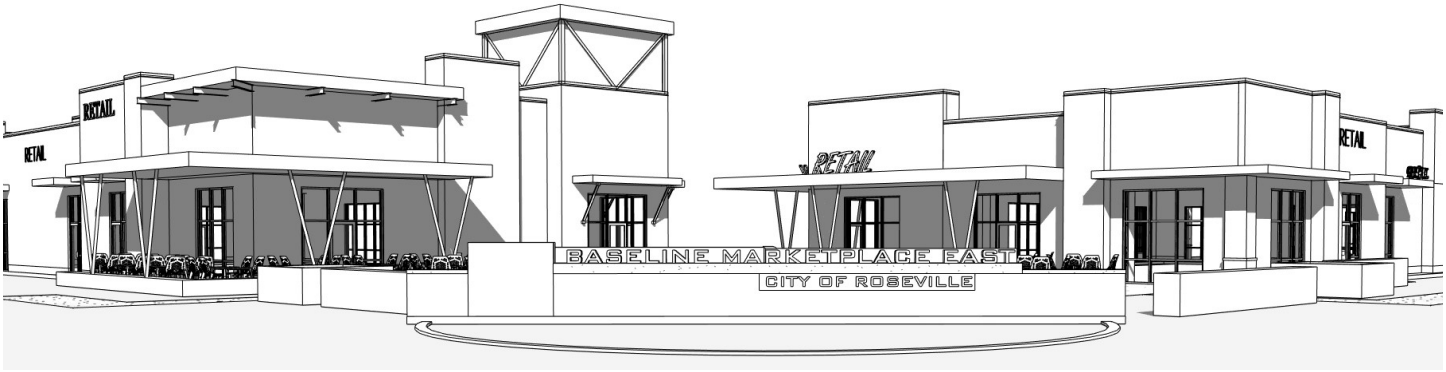
BUILDING 5A PLAZA BUILDING 5B

Buildings 5A & 5B Massing & Articulation Rendering

Building 5C & 5B Elevation Articulation: Material Board A

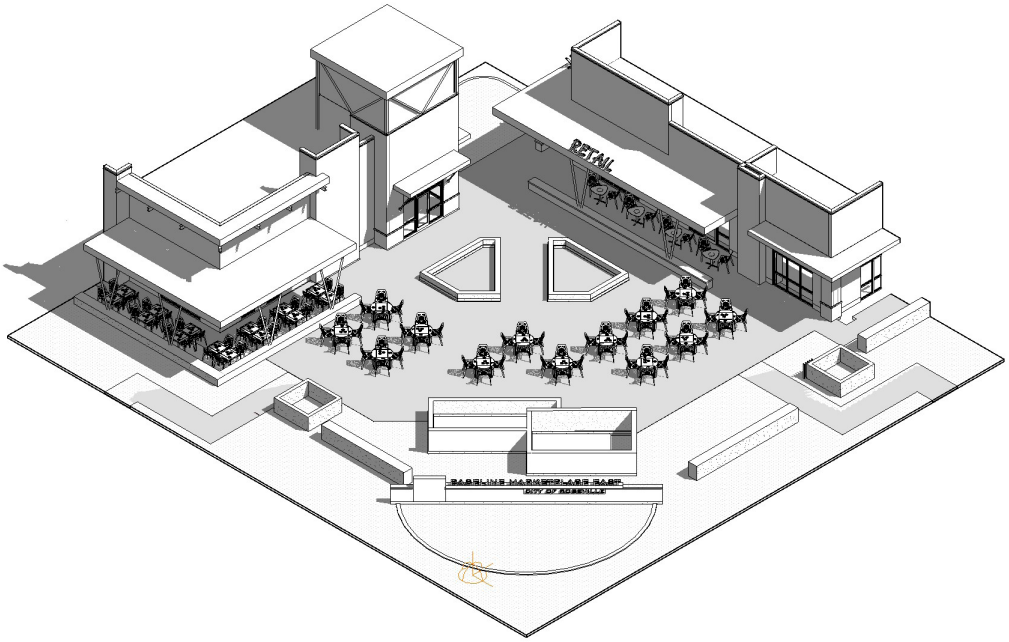


Buildings 5C & 5B Massing & Articulation Vignette



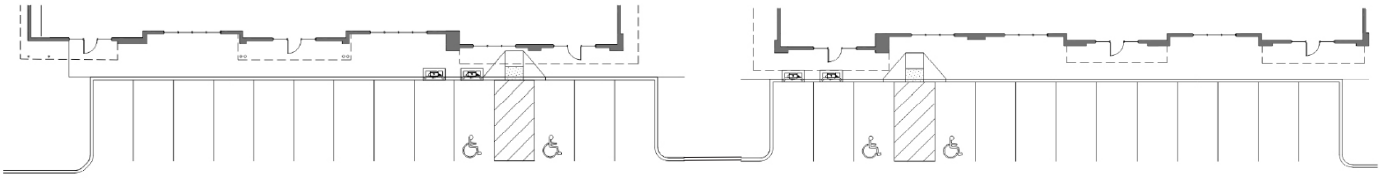
Buildings 5C & 5B Massing & Articulation Rendering

Plaza 5C & 5B Massing & Articulation Axonometric Vignette

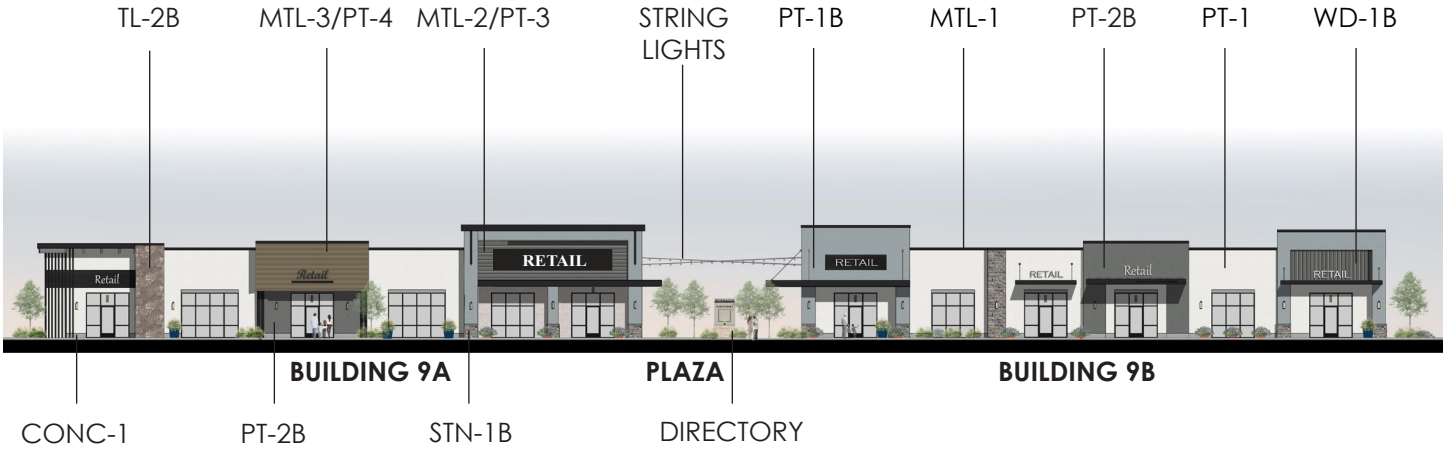


Plaza 5C & 5B Massing & Articulation Axonometric Rendering

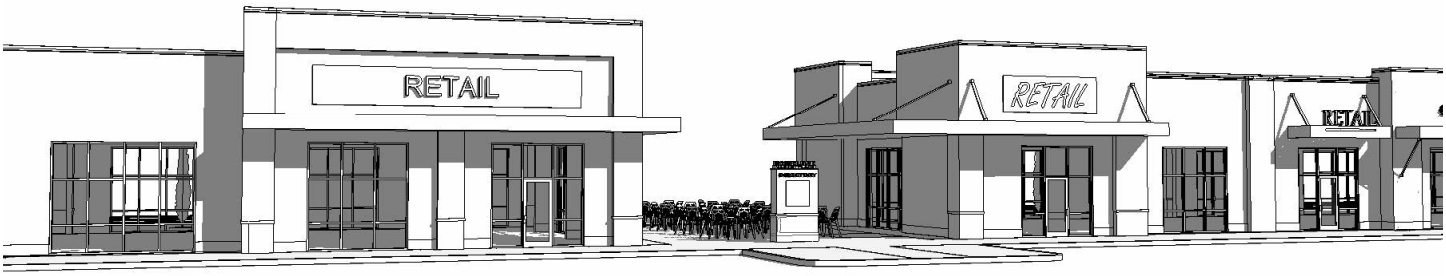
Building 9A & 9B Floor Plan Articulation



Building 9A & 9B Elevation Articulation: Material Board B



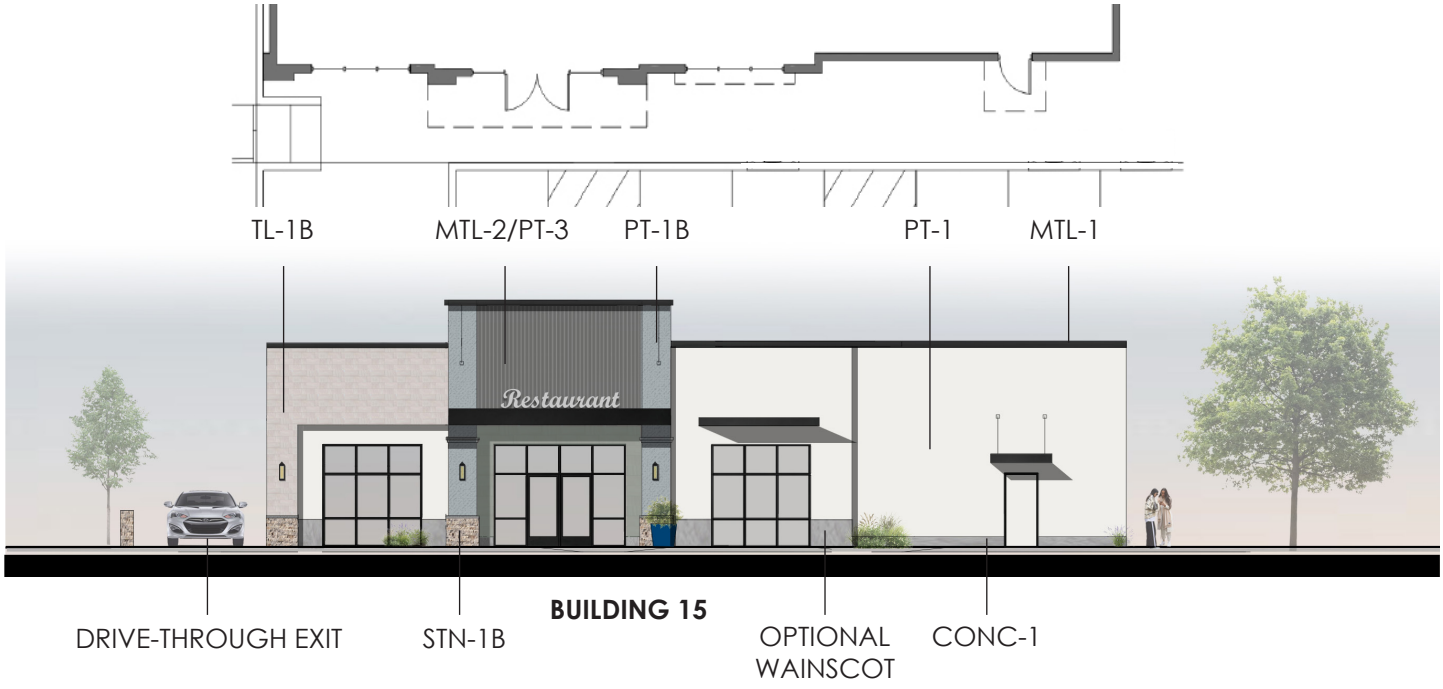
Building 9A & 9B Massing & Articulation Vignette



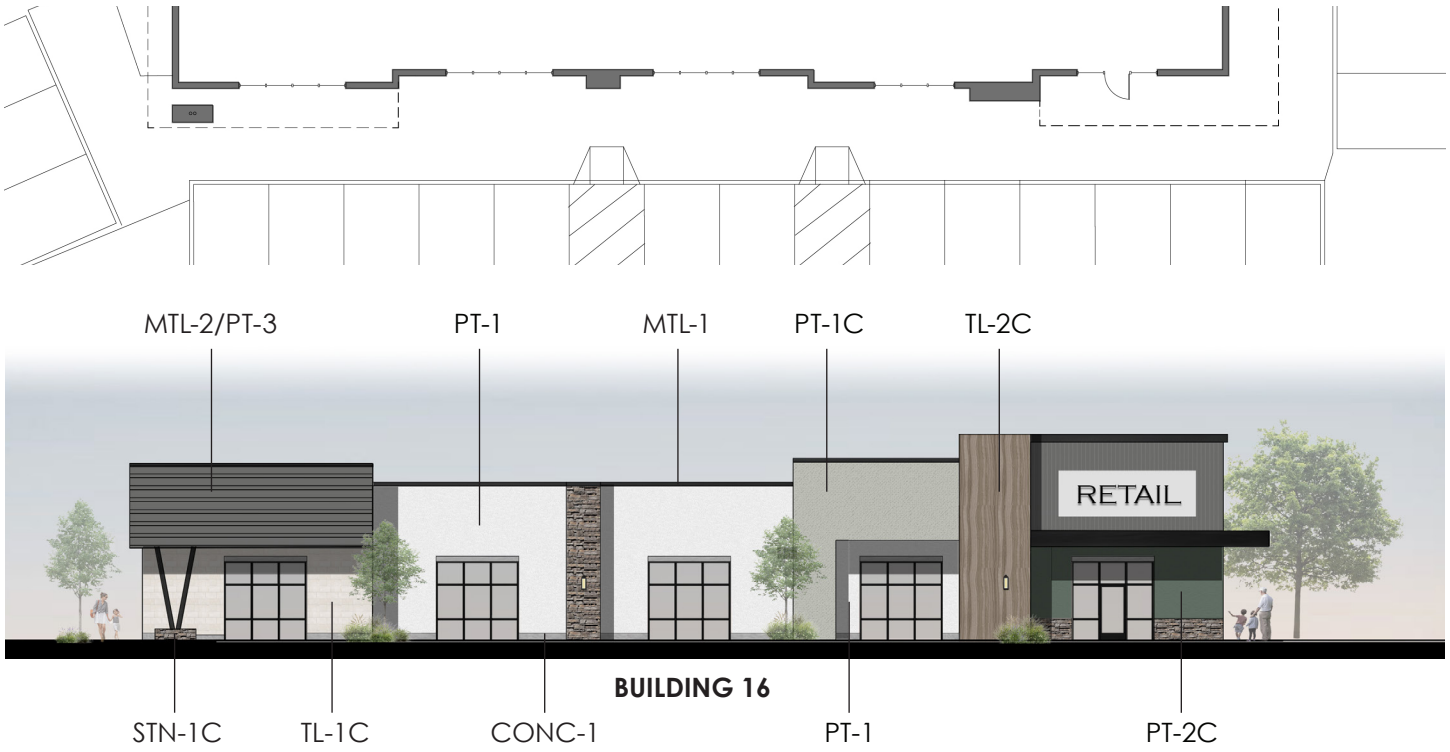
BUILDING 9A **PLAZA** **BUILDING 9B**

Building 9A & 9B Massing & Articulation Render

Building 15 Articulation: Material Board B



Building 16 Articulation: Material Board C



Buildings shall be faced on all sides with durable, high quality materials. Elevations should consider use of appropriate materials for the proper application such as stone as a base material, concrete masonry or cement stucco for the body of the building. Exposed architectural steel elements and details are encouraged and includes - signage backers, signage supports, canopies, brackets, columns, trellis and structural members. Base site furnishings shall also match the selections for the entire development.

The Baseline Marketplace Base Palette is intended to provide flexibility for all tenant build-outs, incorporating common materials and complementary color schemes with various tenant programs.

Main Base Palette of Materials
The core materials and colors used throughout the development for every building, landscape screening and on signage.

Stone
The use of stacked stone is encouraged as a unifying element through the development. The scale of coursing should be appropriate to the mass and scale of the facade. Large anchor tenants should have larger stone coursing. The style and color of stone used must be consistent throughout the project.

Porcelain Tile
Use of porcelain tile is encouraged. Tiles may be applied in a wide variety of sizes, using natural colors and matte finishes. High gloss, glazed or bright primary colors are discouraged.

Concrete
Concrete may be used in a variety of applications such as cast-in-place, site-cast, or pre-cast. Where used as an exposed finish, concrete should incorporate the use of integral color and finished to the highest standard of workmanship in either smooth or sand-blasted treatment.

MTL-1/ PT-2: Black Metal Accents / Storefront / Site Furnishings
Black steel will be used for exposed structural elements and as accents, for canopies, columns, railings, supports, sight furnishings or light fixtures. The deep matte black will complement the earthy tones of other materials, adding sophistication while promoting a casual atmosphere. Storefront systems shall be black.

PT-1: Cement Stucco Sand Finish
Stucco finish may be applied over concrete block or stud framing using either an integral color or painted finish. Final coat should have a light sand finish. Heavy textures are discouraged. PT-2 can also be used for signage backer-boards.

Complementary Palette of Materials
Additional materials and colors used throughout the development provided to complement the Baseline Marketplace Base Palette of Materials.

PT-2: Cement Stucco Sand Finish
Paint used exclusively for signage backer-board.

MTL-2/PT-3: Grey Corrugated Metal Panel / Painted Stucco
Slate Grey pre-finished metal wall panels with a minimum offset of 1 3/8 inch, similar to Pac-Clad Highline C1 Musket Gray. Interchangeable with painted stucco PT-3: SW 9162, African Gray.

MTL-3/PT-4: Bronze Corrugated Metal Panel / Painted Stucco
Medium Bronze pre-finished metal paneling with a minimum offset of 1-3/8 inch similar to Pac-Clad Highline M1 - Medium Bronze. Interchangeable with painted stucco PT-4: SW 7033, Brainstorm Bronze

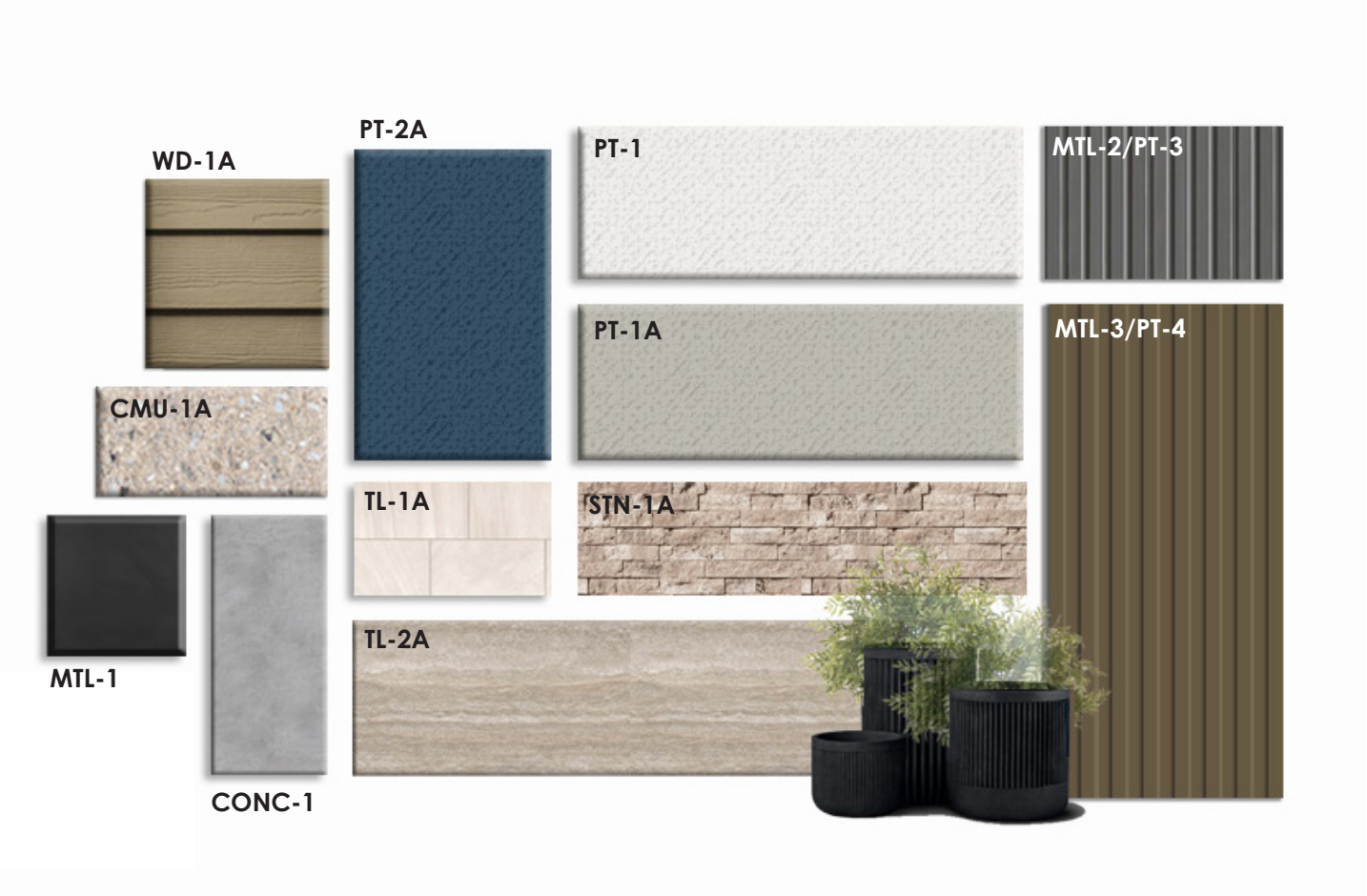
GL-1: Glass / Glazing
All glass should be dual-glazed, clear glass with a Solarban 60 "Low e" coating for maximum energy efficiency and transparency into tenant spaces. Dark, colored or reflective glass is strongly discouraged. Light tints are allowed. Glass panels used to obscure sight into storage or work areas shall be obscured frosted, sandblasted or white spandrel glass.

TL-1 & TL-2: Porcelain Tile
Use of natural stone or porcelain tile is encouraged. Tiles may be applied in a wide variety of sizes, using natural colors and matte finishes. High gloss, glazed or bright primary colors are discouraged.

WD-1: Wood Siding
Wood elements should be used to bring warmth and a natural touch to the space. Choose durable, weather-resistant wood types or wood-look materials.

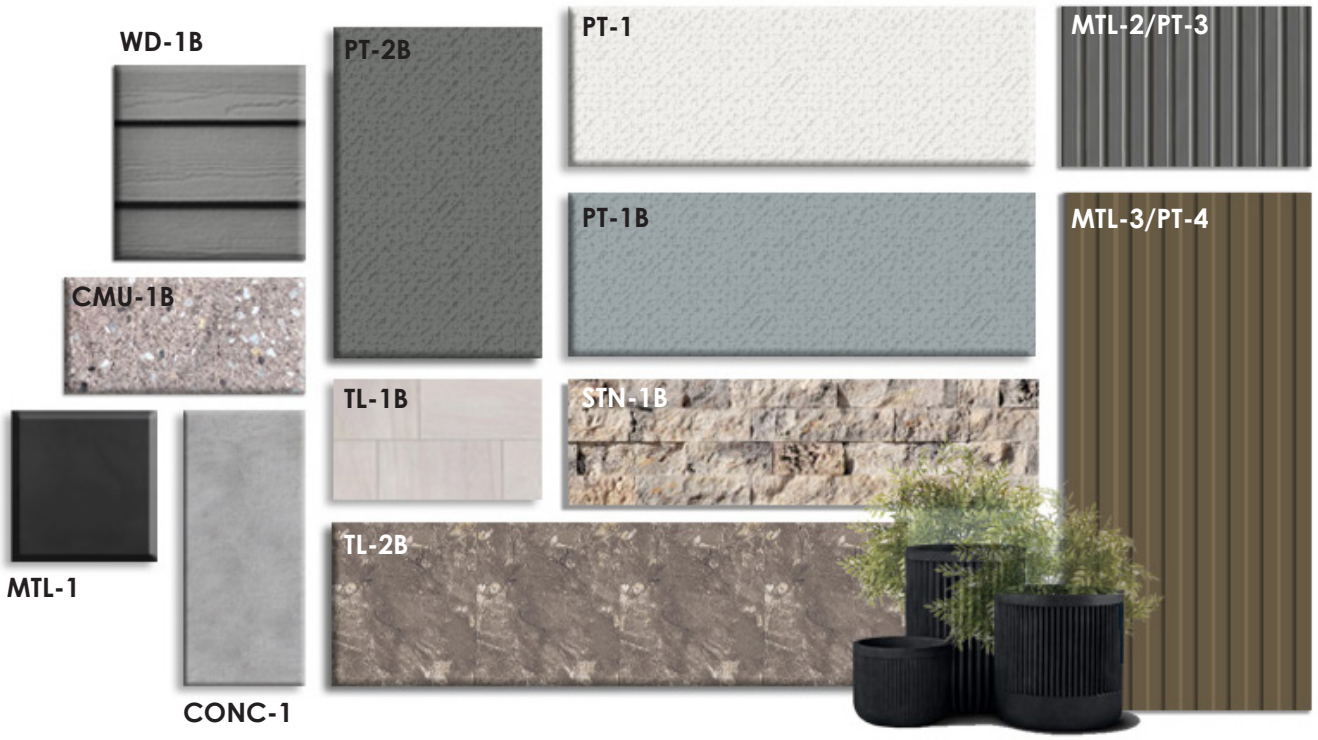
Concrete Masonry - When concrete block is proposed to be used as an exposed finish, it should have integral color and be either honed or split-face. Smooth gray, precision block is discouraged. Incorporating subtle patterns of different colored or textured block is encouraged on large wall surfaces.

Material Board A - Blue Theme



PT-1: Cement Stucco Sand Finish - SW7004 Snowbound
PT-1A: Cement Stucco Sand Finish - SW7023 Requisite Gray
PT-2A: Cement Stucco Sand Finish - SW9177 Salty Dog
STN-1A: Amalfi Ledge - Marianna
TL-1A: Porcelain Tile - Purestone - Beige
TL-2A: Porcelain Tile - Crossville - Travertine Dove
WD-1A: Wood Siding - James Hardie - Khaki Brown
MTL-1: Black Steel Accents
MTL-2/PT-3: Corrugated Metal Panel - Slate Grey
MTL-3/PT-4: Corrugated Metal Panel / Stucco - Medium Bronze
CONC-1: Limestone Stucco - Thermocromex
CMU-1A: Echelon Masonry Split Face - SF 1153

Material Board B - Grey Theme



PT-1: Cement Stucco Sand Finish - SW7004 Snowbound
PT-1B: Cement Stucco Sand Finish - SW 9152 Let It Rain
PT-2B: Cement Stucco Sand Finish - SW 7068 Grizzle Gray
STN-1B: Coronado Stone - Amalfi Ledge - Salermo
TL-1B: Porcelain Tile - Purestone - Grigio
TL-2B: Porcelain Tile - Crossville Marblique Invisible Grey
WD-1: Wood Siding - James Hardie - Gray Slate
MTL-1: Black Steel Accents
MTL-2/PT-3: Corrugated Metal Panel - Slate Grey
MTL-3/PT-4: Corrugated Metal Panel - Medium Bronze / Painted Stucco
CONC-1: Limestone Stucco - Thermocromex
CMU-1B: Echelon Masonry Split Face - SF 112

Material Board C - Green Theme

PT-1: Cement Stucco Sand Finish - SW7004 Snowbound
PT-1C: Cement Stucco Sand Finish - SW 7059Unusual Grey
PT-2C: Cement Stucco Sand Finish - SW 6194 Basil
STN-1C: Coronado Stone - Sierra Ledge - Falmouth
TL-1C: Porcelain Tile - Purestone - Bianco
TL-2C: Porcelain Tile - Crossville - Java Joint House Blend
WD-1: Wood Siding - James Hardie - Iron Gray
MTL-1: Black Steel Accents
MTL-2/PT-3: Corrugated Metal Panel - Slate Grey
MTL-3/PT-4: Corrugated Metal Panel / Stucco - Medium Bronze
CONC-1: Limestone Stucco - Thermocromex
CMU-1C: Echelon Masonry Split Face - SF 1344

Material Palette

Base Palette Colors

Primary Paint | Stucco Finishes

PT-1
Cement Stucco | Sign Backer Boards
SW 7004
Snowbound

PT-B
Cement Stucco Sign Backer Boards
SW 7016
Mindful Gray

	Material Board A Blue Theme	Material Board B Grey Theme	Material Board C Green Theme
Primary Paint | Stucco Finishes	**PT-1A** **Cement Stucco** SW 7023 Requisite Gray	**PT-1B** **Cement Stucco** SW 9152 Let It Rain	**PT-1C** **Cement Stucco** SW 7059 Unusual Grey
Accent Paint	**PT-2** **Exposed Steel Sign Backer Board** SW 6258 Tricorn Black	**PT-2A** **Cement Stucco** SW 9117 Salty Dog	**PT-2B** **Cement Stucco** SW 7068 Grizzle Gray	**PT-2C** **Cement Stucco** SW 6194 Basil

Material Palette

	Material Board A Blue Theme	Material Board B Grey Theme	Material Board C Green Theme
Base | Columns Wainscot	 **STN-1A** **Coronado Stone** Amalfi Ledge Marianna	 **STN-1B** **Coronado Stone** Amalfi Ledge Salermo	 **STN-1C** **Coronado Stone** Sierra Ledge Falmouth
Wall Tile / Accent/ Wainscot	 **TL-1A** **Porcelain Tile** Purestone Beige	 **TL-1B** **Porcelain Tile** Purestone Grigio	 **TL-1C** **Porcelain Tile** Purestone Bianco
Accent Wall Tile	 **TL-2A** **Porcelain Tile** Crossville - Access Point Travertine Dove	 **TL-2B** **Porcelain Tile** Crossville - Marbelique Invisible Gray	 **TL-2C** **Porcelain Tile** Crossville - Java Joint House Blend

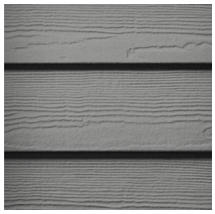
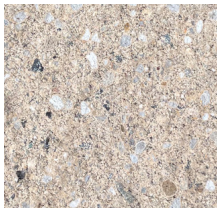
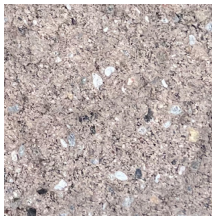
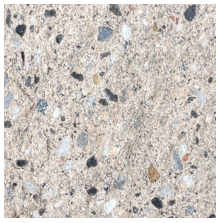
Material Palette

Storefront | Corrugated Metal Panel

Storefront
Black

MTL-2
Slate Gray

MTL-3
Medium Bronze

	Material Board A Blue Theme	Material Board B Grey Theme	Material Board C Green Theme
Wood Siding	 **WD-1A** **James Hardie** Hardie Panel Khaki Brown	 **WD-1B** **James Hardie** Hardie Panel Gray Slate	 **WD-1C** **James Hardie** Hardie Panel Iron Gray
Split Face Masonry	 **CMU-1A** **Echelon Masonry** Split Face SF 1153	 **CMU-1B** **Echelon Masonry** Split Face SF 112	 **CMU-1C** **Echelon Masonry** Split Face SF 1344

Material and Color Constraints

The use of textures and colors affects every element of a building design. Designers may incorporate a variety of materials and colors consistent from the approved palette which utilizes earth or natural tones. Contrasting or accent colors within an approved range, may be used to emphasize forms or unique features. Bright colors are discouraged.

Constraint are limited to no more than 3 different materials and 3 paint colors recommended on a single building:

Colors:

1. Generic Paint Color
2. Primary Paint Color
3. Accent Paint Color

Materials:

A. Cement Stucco
B. Wainscot
C. Wood Siding
D. Corrugated Metal
E. Tile Accent

MATERIAL BOARD A

Typical Street Elevations:

MATERIAL BOARD A

Conceptual Street Elevation
Option A:
Limited Storefront & Glass Doors with white spandrel or obscured glass

Conceptual Street Elevation
Option B:
Hollow Metal Doors Painted To Match Adjacent Surface

Plaza 5C & 5B Massing & Articulation Axonometric Rendering

Buildings 5C & 5B Massing & Articulation Rendering

Buildings 5A & 5B Massing & Articulation Rendering

BUILDING 5A PLAZA BUILDING 5B

Building 9A & 9B Massing & Articulation Rendering

BUILDING 9A PLAZA BUILDING 9B

Community Gateway Signage

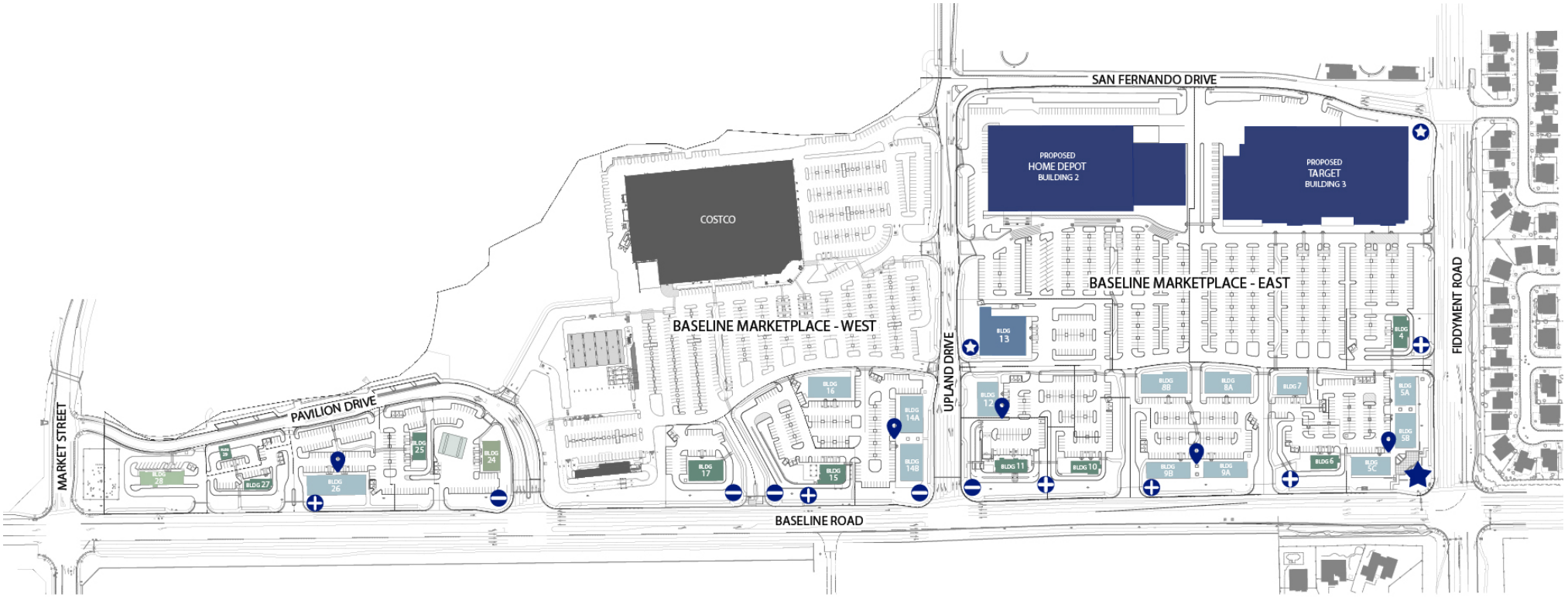
The primary identification and key way finding point for Baseline Marketplace is the Fiddyment Road and Baseline Road intersection. This location will set the tone and statement for Baseline Marketplace. Special landscaping will occur at the Community Sign, Project entries, and the Secondary entries to identify the points of entry and set the tone for the project development.

The principle deviations in design elements between the Community signage and Project signage are the intensity of the planting and the scale of the monument. The Community sign will have proportion- ally sized to provide the sense of arrival and set the tone and theme for the balance of the center while meeting the Specific Plan requirements for incorporating City of Roseville signage. See Figure 16. All other signage, Project and Tenant, identification will cascade from these designs.

Sign materials shall be from the Baseline Marketplace base palette of stone, stucco, and metal, using raised full dimensioned letters and back-lighted. Upright steel tubes shall be powder coated using one color in five to seven different hues. The banner stretching the length of the sign shall be powder coated steel fabric panel to match PT-2 Dark Engine. The sign rests on a base wall clad in stacked stone veneer STN-1A.

City Gateway Sign on the corner of Baseline and Fiddyment

Site Plan Signage



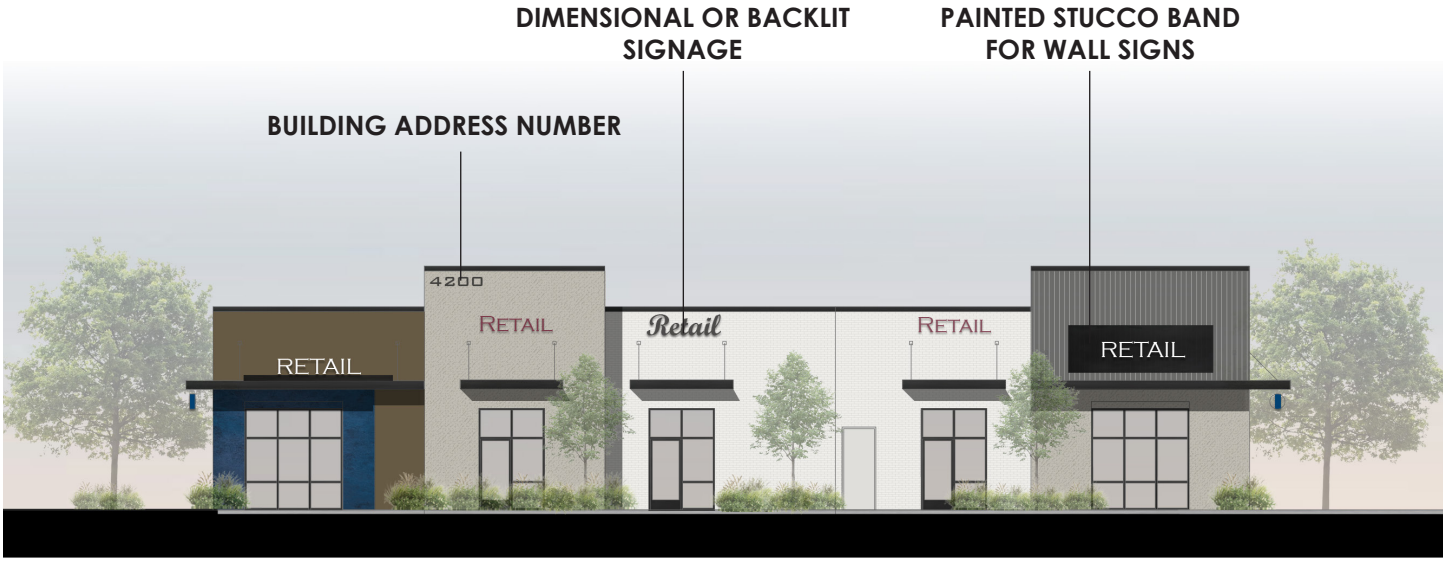
BUILDING LEGEND

- MAJOR ANCHOR
- MINOR ANCHOR
- MULTI-TENANT
- DRIVE-THRU TENANT
- FUEL CENTER
- CAR WASH
- EXISTING BUILDING
- EXISTING RESIDENTIAL

SIGNAGE LEGEND

- CITY GATEWAY
- NEIGHBORHOOD GATEWAY
- DIRECTORY
- RETAIL GATEWAY
- MULTI-TENANT MONUMENT

Building Signage



Tenant Signage

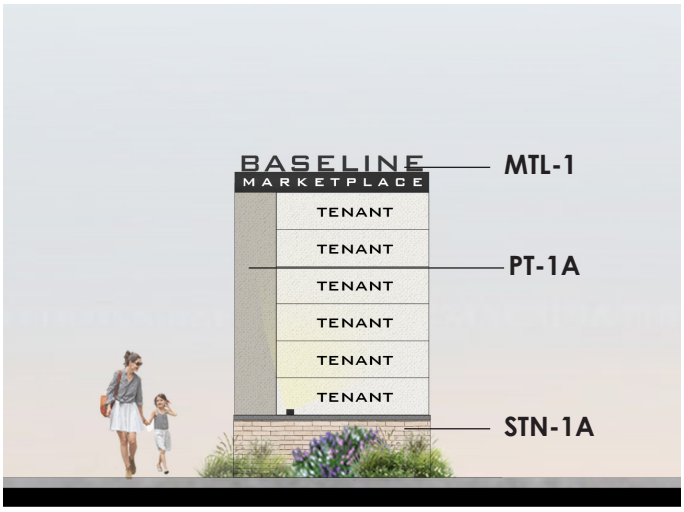
All proposed signage will reflect the project's overall design aesthetic through the use of complementary materials such as stone, stucco, black steel, and painted stucco (PT-2 Dark Engine). Signage will be appropriately scaled—larger along street frontages and gateways, smaller at rear access points—with clear, well-proportioned dimensional or backlit lettering for enhanced visibility. Signs will be thoughtfully integrated with building architecture, landscaping, or low walls to maintain a cohesive and uncluttered appearance while reinforcing the project's identity.

Directory Sign

City Gateway / Low Wall Sign

Signs shall reflect the overall design aesthetic by incorporating the common elements and materials such as stone, stucco, black steel, and powder-coated metal. The scale of signage must suit the context—larger signs for gateways and smaller signs for internal directories—with clear, well-proportioned lettering. All signage should be thoughtfully integrated with landscaping or low walls, feature high-quality finishes, and use dimensional or backlit lettering to enhance visibility and reinforce the project's identity without causing visual clutter.

Multi-Tenant Monument Sign



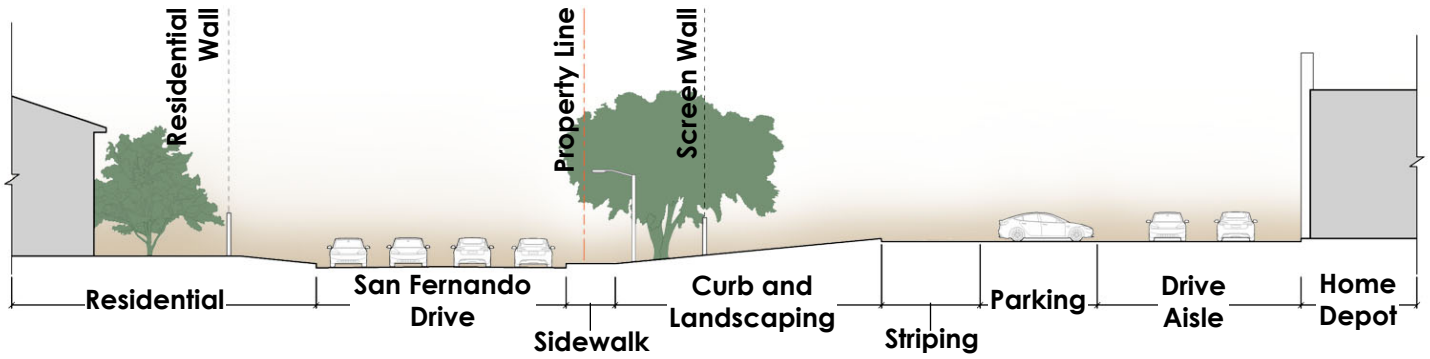
Directory Sign

Buildings 5B / 5C, Buildings 9A / 9B, Building 12,
Buildings 14A / 14B, Building 26

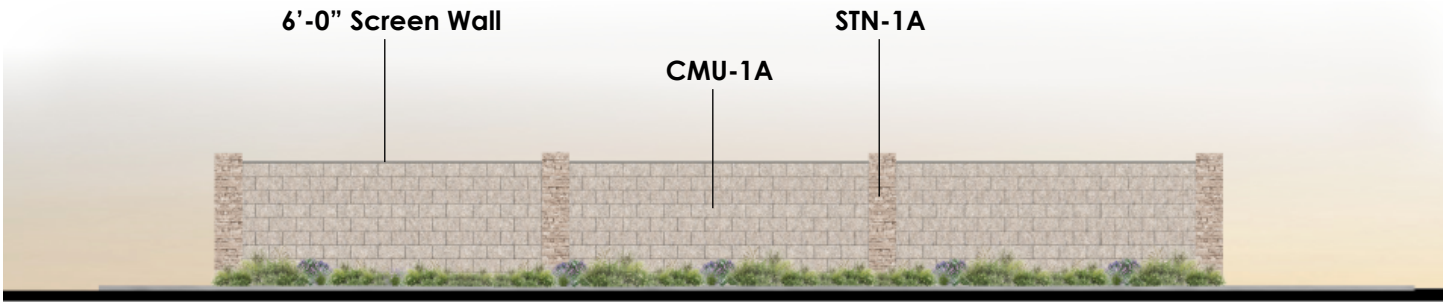
Neighborhood / Retail Gateway Sign

Corners: Fiddyment & San Fernando, Upland East Internal Drive
Villages: Fiddyment, Baseline Central, Upland East, Upland West, Pavilion

San Fernando Sight Line Section



Screen Wall



Baseline Marketplace

The objective for site planning is to establish a functional and effective organization of buildings, circulation, parking and service areas that enhances the identity and efficiency of the project and its relation to surrounding future development. The project will be designed to allow convenient access to, from and within the site for pedestrians and bicyclists.

Landscape Design

The guidelines within this chapter specifically address how to appropriately design with plant material on Baseline Marketplace properties. Planting design and plant material are a key component to the site and the property's ability to convey a comfortable seamless retail marketplace experience appearance.

See Preliminary Landscape Plan, Figure 0.

The goal of providing site design guidelines is to assist Developers, Architects, Engineers, and Landscape Architects in preparing landscape plans that align with the Community's expectations, and City of Roseville Standards.

A number of facets in the design phase must be considered and accounted for to achieve a lush, layered, and healthy landscape. Landscape Architects shall use these guidelines within this chapter in addition to normal design considerations such as soils, moisture, and exposures.

Design Intent

Unification of Baseline Marketplace environment should be achieved through common landscape forms, colors and materials. Simple, timeless and enduring styles of furnishings, paving, and landscape treatments should be used in a highly uniform manner, and the repetition at which they occur will serve to strengthen the sense of site unity and order. Generally, the street trees are selected for creating a uniform streetscape appearance within the Sierra Vista Specific Plan area.

Areas of Emphasis

It is important to delineate the areas of site that have the highest impact on user experience, such as key corridors, use areas, focal points and buffer zones. Planting plans should appropriately emphasize these areas through the specification of large plant material and spacing plants to achieve an immediate landscape impact.

Preliminary Landscape Plan

Figure 0

The objective for landscaping design is to create a pleasant and distinctive environment that reinforces the site plan, enhances building frontages, softens parking areas, buffers service areas and maintains street continuity.
These landscape design guidelines set a high standard for quality landscape design, construction, and maintenance in this retail marketplace. The planting will meet the following major criteria:

- Consistent aesthetic quality that enhances the retail user experience.
- Plant patterning shall be consistent throughout the center in order to unify the site while allowing special accent zones where appropriate.

Vehicular traffic in parking areas requires a number of design considerations:

- Incorporating a majority of deciduous shade trees to decrease temperatures in the summer while allowing parking areas to dry faster after winter storms.

- The parking stall and related back up space shall be shaded to comply with the City of Roseville Shade Tree requirements as per City Ordinance.

- Design formally massed and diverse planting in the parking lots to ease way finding, (helping visitors determine where they are and how to negotiate the site), while promoting biodiversity and reducing contagious diseases or insect infestations.

- Allow visual access of store fronts and/or signage from entry drives and frontages.

- Applying water conservation principles in accordance with the Roseville Water-Conserving Landscape Ordinance.

- Properly maintaining landscaped areas to present a healthy and thriving appearance. Undeveloped areas shall be neat and presentable at all times.

- Screening service zones, trash areas and mechanical equipment with solid walls, fences or shrubs.

- Screening the back of the shopping center buildings from Public view and adjacent residential development.

Planting Zone Breakdown

There are five proposed distinct Landscape Planting Zones related to the project site. They are described as follows, see Figure 1:

Zone A - Frontages

Zone B - North Boundary

Zone C - Entries

Zone D - Parking Fields

Zone E - Building Zones

Defensible Seating and Dining

Formally Massed & Diverse Textures

Outdoor Dining

Raised Planters and Tree Wells

Planting Zone Plan

Figure 1

Zone A - Frontages:

- Fiddyment Road
- Baseline Road

Zone B - North Boundary:

- San Fernando Drive
- Open Space Transition

Zone C - Entries:

- Upland Drive
- East/West Secondary Entries

Zone D - Parking Fields:

- West Field
- East Field

Zone E - Buildings:

- Anchors
- Tenants
- Plazas

Zone A - Frontages

Baseline Road and Fiddyment Road shall be landscaped in accordance with these Planting guidelines.
See Figure 2. In areas within these zones planting might be enhanced to meet any of the following goals:

- Screening of parking areas, service zones, trash enclosures and or mechanical equipment
- Accenting monument signage and walkways
- Framing views of building entrances
- Reducing erosion potential and respond to storm water measures.

Design with a variety of deciduous ornamental, deciduous shade, and coniferous trees for the site perimeter with a clean appearance, a healthy canopy, and a long life span. Pay attention to color combination that can enhance the appearance of one tree when placed next to another. Design with a variety of large shrub sizes to help achieve a strong buffer and use evergreen shrubs and large deciduous accent shrubs to further develop a layered effect and provide year-round color and screening. Select shrubs that blend together well to form a solid form when used in mass plantings. Consider a variety of large perennials to help screen the lower ground level. Consider that materials will typically be viewed from afar and need to be of a larger scale. Use perennials that work well in mass plantings with lower maintenance needs in the site perimeter. Select understory plant material compatible with the water use and patterning of the landscaping for the entire Baseline Marketplace project.

In Zone A, large street trees are prohibited due to the existing PG&E gas line easement and overhead powerlines. To create interest in the understory planting, provide landscape berming, cobble or boulders, and layered planting.

Fiddyment Road - Planting design is proposed to be compatible with existing conditions.

STREET TREE - NONE (due to PG&E gas line easement)
SUBORDINATE TREE - NONE (due to PG&E gas line easement)
SCREEN TREE - Podocarpus gracilior
ACCENT TREE - Cercis occidentalis 'Oklahoma'

Baseline Road - Planting design is proposed to be similar with landscape berms, layered plantings and/or use of cobble and boulders for varied interest.

STREET TREE - NONE (due to PG&E gas line easement)
SUBORDINATE TREE - Tilia cordata 'Greenspire' & Zelkova serrata 'Village Green'
ACCENT TREE - Cercis occidentalis 'Oklahoma' & Vitex agnus-castus

Zone A - Frontages Plan

Fiddyment Road

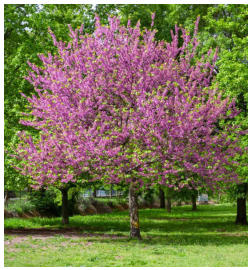
Baseline Road

Figure 2

Baseline Road - Trees

Zelkova s.
'Village Green'
Sawleaf Zelkova

Tilia cordata
'Greenspire'
Greenspire Linden

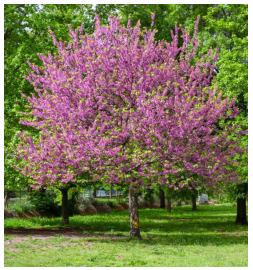


Cercis o. 'Oklahoma'
Western Redbud

Vitex angus-castus
Chaste Tree

Fiddyment Road - Trees

Podocarpus gracilior
Fern Pine



Cercis o. 'Oklahoma'
Western Redbud

Zone A - Frontages

The Baseline Road and Fiddyment Road frontages have a couple of areas that need extra attention while designing. The two areas are the PG&E gas transmission line easement and the pad drive thru lanes.

Drive Thru Lanes

The drive thru lanes will be screened using 36" masonry walls, berming and screen shrubs. See Figure 4.

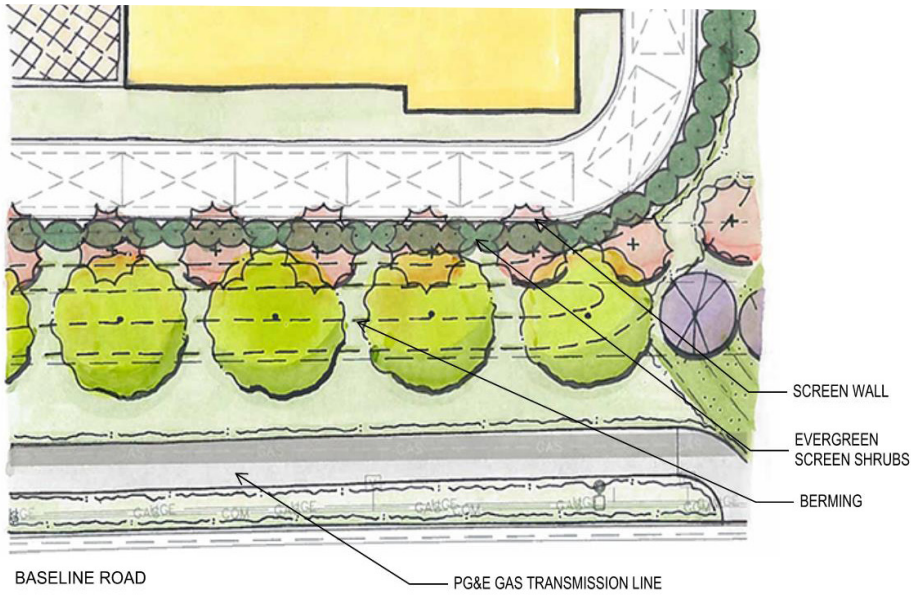


Figure 3

PG&E Gas Line Easement

Baseline Road has a large gas transmission line running along the project frontage. Pacific Gas and Electric (PG&E) has strict requirements about planting near gas transmission lines. The easement is broken down into 3 Zones per Figure 4. Refer to PG&E's 'Guide to Safe Landscaping Near Gas Pipelines' for plant material allowed within each zone. See next page.

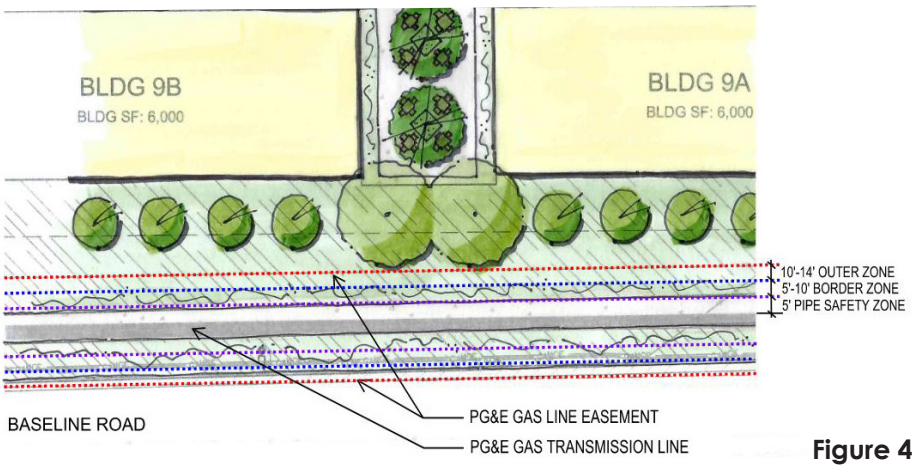


Figure 4

Below is a sample of water-wise plant types that are safe in certain locations near a pipeline. Scan the code for more safe planting tips.

Pipe Safety Zone

Typically from 0 up to 5 feet on either side of the edge of the pipe. Lawns, flowers, low-profile grasses and low-growing herbaceous plants are permitted within the Pipe Safety Zone.

- Blue-Eyed Grass *(Sisyrinchium bellum and cvs.)*
- Buckwheat *(Eriogonum spp.)*
- California Fuchsia *(Epilobium canum)*
- California Mugwort *(Artemisia douglasiana)*
- Coyote Mint *(Monardella villosa)*
- Deer Weed *(Acmispon glaber)*
- Douglas Iris *(Iris douglasiana)*
- Lilac Verbena *(Glandularia lilacina and cvs.)*
- Matilija Poppy *(Romneya coulteri)*
- Perennial Hollyhock *(Alcea rosea and cvs.)*
- Pink Santa Barbara Daisy *(Erigeron x moerheimii)*
- Purple Needlegrass *(Stipa pulchra)*
- Sand Aster *(Lessingia filaginifolia and cvs.)*
- Sonoma Sage *(Salvia sonomensis and cvs.)*
- Yarrow *(Achillea millefolium and cvs.)*
- Yerba Buena *(Clinopodium douglasii)*

Pipe Border Zone

Typically from 5 up to 10 feet from the edge of the pipe. Small to medium shrubs with a trunk or main branch less than 8 inches in diameter at full maturity are permitted within the Border Zone. Diameter is measured at chest height.

- Aloe *(Aloe spp. (CA native and non-native))*
- Apache Plume *(Fallugia paradoxa)*
- Blue Jeans Ceanothus *(Ceanothus "Blue Jeans")*
- California Wild Rose *(Rosa californica)*
- Chaparral Honeysuckle *(Lonicera interrupta (shade))*
- Concha Ceanothus *(Ceanothus "Concha")*
- Coyote Brush *(Baccharis pilularis consanguinea)*
- Elderberry *(Sambucus spp.)*
- Hillside Gooseberry *(Ribes californicum)*
- Manzanita (shrub) *(Arctostaphylos hookeri (shrub cvs.))*
- Mountain Blue Curls *(Trichostema parishii)*
- Mountain *(Lepechmia caa)*
- Pitcher Sage *(Lepechinia calycina)*
- Purple Sage *(Salvia leucophylla and cvs.)*
- Shrub Live Oak *(Quercus turbinella)*
- Tree Mallow *(Malva assurgentiflora and cvs. (Lavatera assurgentiflora))*
- Tree Poppy *(Dendromecon rigida)*
- Woolly Yerba Santa *(Eriodictyon tomentosum)*
- Yellow Penstemon *(Keckiella antirrhinoides)*

Outer Zone

Typically from 10 up to14 feet from the edge of the pipe. Large shrubs and small trees with a trunk less than 36 inches in diameter at full maturity are permitted within the Outer Zone, however, it's recommended to plant trees even further away from the pipeline. Diameter is measured at chest height.

- American Arborvitae *(Thuja occidentalis 'Fastigata')*
- Australian Willow *(Gijera parviflora)*
- White Alder *(Alnus rhombifolia)*
- Blue Blossom *(Ceanothus thyrsiflorus)*
- Chinese Pistache *(Pistacia chinensis)*
- Crape Myrtle *(Lagerstroemia hybrids)*
- Desert Willow *(Chilopsis linearis)*
- Flowering Dogwood *(Cornus florida)*
- Japanese Persimmon *(Diospyros kaki)*
- Lily Magnolia *(Magnolia liliflora)*
- Ray Hartman Ceanothus *(Ceanothus 'Ray Hartman')*
- Red Buckeye *(Aesculus pavia)*
- Smoke Tree *(Cotinus coggygria Purpureus')*
- Swan Hill Olive *(Olea eruopaea 'Swan Hill')*
- Toyon *(Heteromeles arbutifolia)*
- Trident Maple *(Acer buergeranum)*
- Western Redbud *(Cercis occidentalis)*

Please note that this list includes recommended plant species suited for most California climate zones and is not all-inclusive. Consult your local nursery for more information. If there is an electric power line on or near your property, there may be additional planting restrictions.

To learn more about PG&E's gas safety programs, visit pge.com/gasveg.
You can contact us at 1-800-259-6277 or gasveg@pge.com.

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Zone B - North Boundary

The area between the proposed San Fernando Drive extension to Upland Drive and the back of the Marketplace shall be densely planted to provide a tall, colorful barrier screening the view of the anchor buildings and service area. Trees shall be at least 24" box plantings. Evergreen conifers are proposed for tall screening along with opaque walls to immediately screen views to the service area. This area should also be a low water-use area. Furthermore, the area west of the Upland Drive and San Fernando Drive intersection shall be designed to transition to the natural landscapes of the surrounding grassland and riparian corridor of Curry Creek with loose groves of deciduous riparian natives and oaks. This area should be a low water-using zone. See Figure 5.

Design with a purposeful intent of tightly planted evergreen trees for the rear site perimeter when within public view. Consider trees that hold their leaves through the winter such as Interior Live Oak and conifers which can help winter screening needs. Use trees that have a clean appearance, a healthy canopy, and a long life span and pay attention to color combinations that can enhance the appearance of one tree when placed next to another. A masonry or precast concrete wall with large shrub sizes will help achieve a strong barrier along San Fernando Drive while using shrubs that blend together to form a solid screen when used in mass plantings and that are drought tolerant. Consider using no perennials in boundary areas due to maintenance concerns.

Adjacencies to open space requires the selection of material that responds and respects the preserve area controlled by the Army Corp. Use naturalized overstory trees and understory shrubs to create a transitional buffer adjacent to the open space corridor. Consider using material that can take low water, abuse from varmint and rabbits, and provide quick cover to help reduce emergent of weeds blowing into the site from the north and west. Consider large grasses to help screen the lower ground level and plant only slopes from fill operations. Existing ground should be maintained in its native state.

San Fernando Drive Buffer

STREET TREE - Pinus canariensis
SUBORDINATE TREE - Cedrus deodara
ACCENT TREE - Cotinus coggygria ‘Royal Purple’

Open Space Transition

STREET TREE - Liriodendron tulipifera
SUBORDINATE TREE - Quercus lobata
ACCENT TREE - Cercis occidentalis ‘Oklahoma’

Zone B - North Boundary

San Fernando Drive

Open Space Transition

Figure 5

Baseline Road - Trees

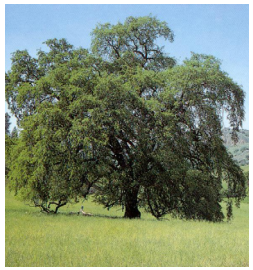
Pinus canariensis
Canary Island Pine

Cedrus deodara
Deodar Cedar

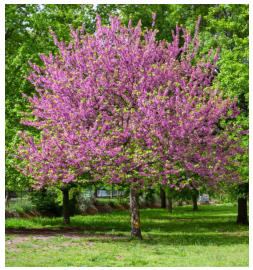
Cotinus c. 'Royal Purple'
Purple Smoke Tree

Open Space Transition - Trees

Liriodendran tulipifera
Tulip Tree



Quercus lobata
Valley Oak



Cercis o. 'Oklahoma'
Western Redbud

Zone C - Entries

Entry drives shall be bordered with upright trees and incorporate low, colorful shrubs and groundcovers to enhance these busy areas, and clearly delineate primary circulation patterns. Major vehicular access off of adjacent frontages shall be clearly defined by the use of formal rows of upright trees and accent trees shall be used to reinforce the visual connections throughout the site. See Figure 7.

Utilize small ornamental trees as a backdrop to monument signage. (Their reduced size creates a more welcoming scale to the member and can provide a beautiful backdrop to an entry monument sign). Select ornamental trees with unique characteristics such as profuse spring flowers or brilliant fall color to help highlight the entry and use large shade trees with good form and fall color to line the entry drive proceeding towards the anchor buildings. Use evergreen trees behind the ornamental backdrop to the monument sign if space permits. Avoid species that drop large or messy fruit. Utilize a variety of small to medium shrub sizes to help create a layered effect and use both deciduous and evergreen shrubs to further develop a layered effect and provide year-round color. Design shrub beds to flank the entry and create a welcoming experience. They may be used in an entry median or as base planting around a monument sign. Spring, Summer, & Fall flowering woody perennials for entry enhancement are key to entry areas, and should be used in a strong identifiable pattern. Pay attention to scale as materials will typically be viewed from vehicles and need to be of an adequate scale for visibility. Use perennials that work well in mass plantings and provide interesting color combinations. Perennials with a matched and varied bloom times add aesthetic value to the site entry. See Figure 6.

Upland Drive Trees
STREET TREE - Liriodendron tulipifera & Tilia cordata 'Greenspire'

Secondary East
STREET TREE - Pistachia c. 'Keith Davey'& Ulmus p. 'JFS-Bieberich'

Secondary West
STREET TREE - Ulmus parvifolia 'Drake'

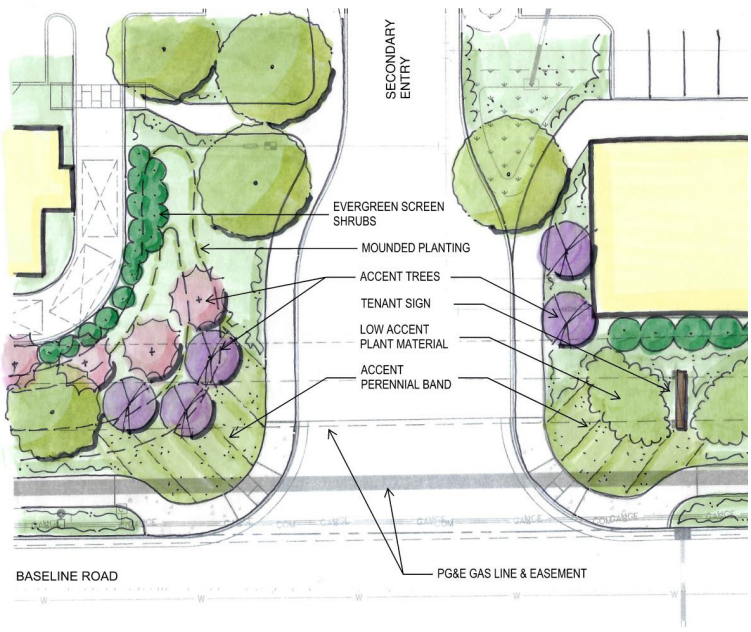


Figure 6 - Secondary Entry Concept

Zone C - Entries

Upland Drive

East/West Secondary Entries

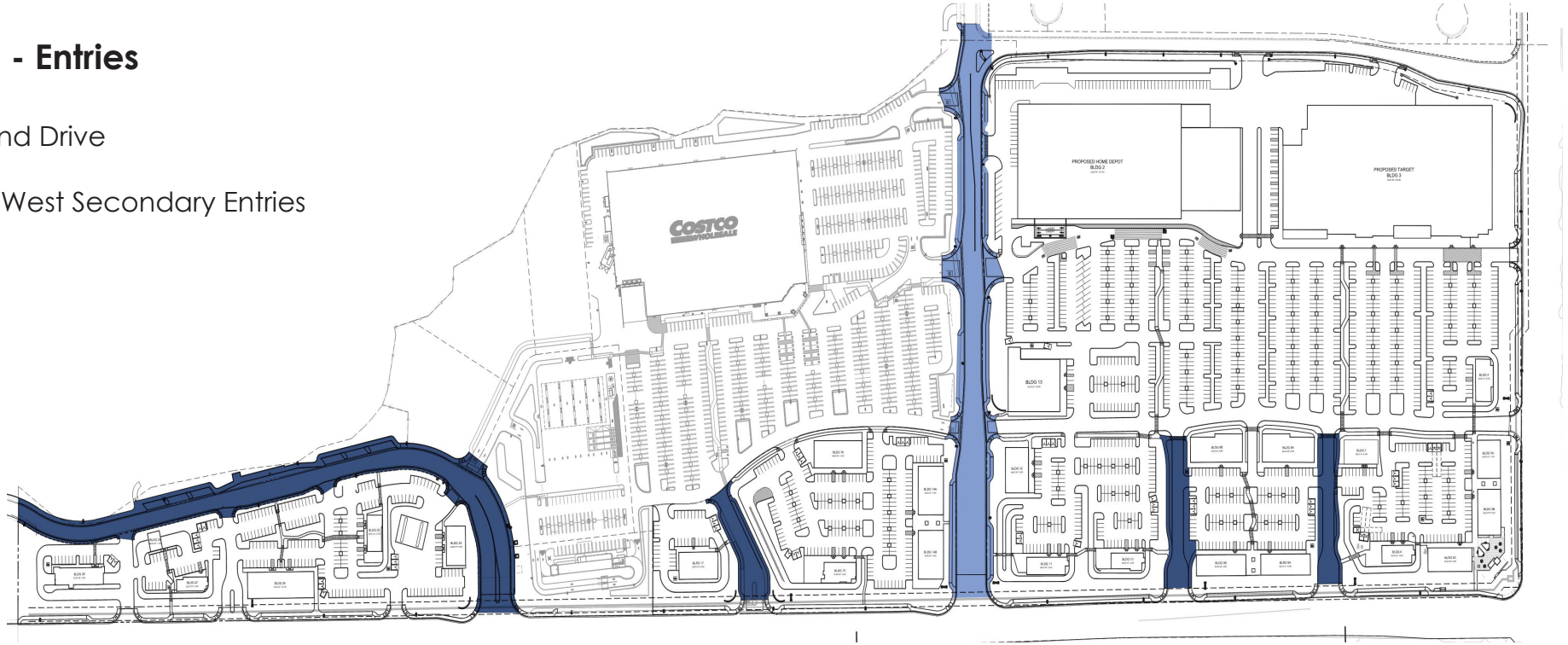


Figure 7

Upland Drive - Trees

Liriodendran tulipifera
Tulip Tree

Tilia cordata
'Greenspire'
Greenspire Linden

Secondary East - Trees

Pistachia c. 'Keith Davey'
Chinese Pistache

Ulmus p. 'JFS-Bieberich'
Emerald Sunshine Elm

Secondary West - Trees

Ulmus parvifolia 'Drake'
Drake Lacebark Elm

Zone D - Parking Fields

The parking fields are divided into two areas, east and west side of Upland Drive. Each field is defined by a different shade tree(s) in an attempt to assist in wayfinding throughout the site. Large canopy shade trees will be planted in the parking lot to provide 50% shade in 15 years in accordance with the Roseville Zoning Ordinance and Sierra Vista Specific Plan. Flexible shrubs and perennials will survive the pedestrian and vehicular traffic while providing much-needed relief by softening the geometries of the parking lot. Secondary walkways and driveways shall be highlighted with upright or evergreen accent trees. These areas should be low water use zones. The parking lot plantings enhance the arrival experience, provide shade, aid stormwater infiltration, and reduce stormwater runoff.

Utilize overstory shade trees for parking lot islands, (their larger scale is desirable for the parking field and with time the tree canopy can be pruned higher to allow good ground level visibility). Consider shading benefits of larger trees that help reduce the urban heat island effect. Plant ornamental trees to anticipate and avoid signage conflicts while avoiding tress with fruit drop. Tree palette is selected using trees with nice fall color if available and that can survive the harsh conditions associated with a commercial parking lot. It is imperative to coordinate tree locations with lighting to avoid conflicts with desired light levels. Shrubs shall be of variety and planted in masses at parking lot end islands. Avoid shrubs shorter than 1.5' and taller than 5' in the parking lot islands and combine evergreen shrubs to develop a layered effect and provide year-round color. Avoid shrubs with thorns or fruit to avoid injury or attract pests/birds. Do not use perennials in parking lot islands and in tree wells within the fields of parking and provide a spreading ground cover to 12" max. height.

In order to minimize stormwater runoff and use collection and infiltration techniques to manage the discharged water quality, bioswales will be used for such a purpose in the parking fields. The use of a variety of deciduous understory and overstory trees tolerant of wet and dry soils are proposed as well as trees that hold their leaves through the winter, such as oaks, can help winter screening needs. The design uses trees that have a fast growth rate that can significantly contribute to evapotranspiration of stormwater. Shrubs and or grasses shall be selected that are tolerant of both wet and dry soils. Select shrubs that blend together well to form a solid mass. Perennials such as a variety of large ornamental grasses which commonly have deep root systems that aid with infiltration. See Figure 8.

East Field
SHADE TREE - Ulmus parvifolia'Drake' & Zelkova serratta 'Village Green'
West Field
SHADE TREE - Acer rubrum 'October Glory' & Tilia cordata 'Greenspire'
Bio Swales
SHADE TREE - Koelreuteria paniculata & Pistacia chinensis 'Keith Davey'

Zone D - Parking Fields

West Field

East Field

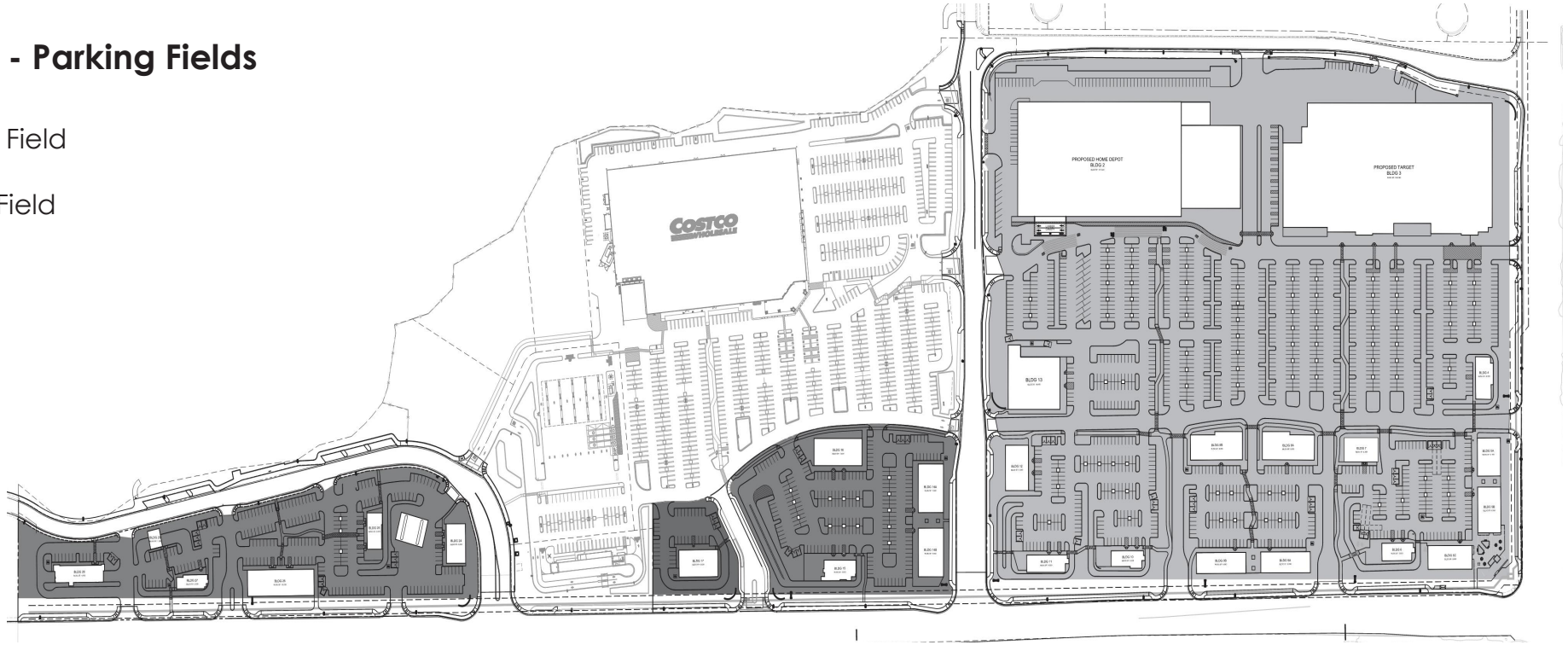


Figure 8

East Field - Trees

Ulmus parvifolia 'Drake'
Drake Lacebark Elm

Zelkova s. 'Village Green'
Sawleaf Zelkova

West Field - Trees

Acer rubrum 'October Glory'
October Glory Red Maple

Tilia cordata 'Greenspire'
Greenspire Linden

Bioswales - Trees

Pistachia c. 'Keith Davey'
Chinese Pistache

Koelreuteria paniculata
Golden Rain Tree

Zone E - Building Zone

The Building Zones are reinforced to the parking and entry zones with promenades. See Figure 9. They serve to connect major storefronts and shall be designed to accommodate substantial pedestrian traffic. Rest areas along the route will include benches, trash receptacles and interesting planting. Rest area planting should not interfere with sign and storefront visibility or accessibility. These areas shall be low water use.

The two pedestrian promenades, (Anchor promenade, and Retail promenade through the middle of the site), shall be 8' wide, accessible to all, and separated from vehicular zones by formal planting of upright, flowering, and fall colored material. Connections to the public way shall be highlighted with colorful shrub planting.

Retail pad areas should be kept neat and clean until they are developed. When developed, they shall be designed to complement the overall site landscaping. Shade trees shall match those on site and be placed such that Roseville's 50% shade requirement is met within the pad parcel. Pad developers may, at the discretion of the Marketplace owner's representative, have the option of connecting to the existing site irrigation system. These pad zones shall comply with the City's water conservation ordinance. See Figures 10 & 11.

Select shade trees that can thrive in a narrow environment near paving & sidewalks with limited oxygen for their root systems and higher soil compaction levels. Ensure ornamental trees mature size does not exceed 16' if located in front of building signage. Use larger mature size ornamental selections only if signage will not be affected and avoid trees that have fruit drop or other potentially messy characteristics

Shrub material shall be selected for mass-forming small and medium shrubs for the raised plant beds with attention paid to a brand image. Utilize evergreen shrubs in mass for winter color and foliage while recognizing the sun/shade requirements of the plant with the site conditions. Perennials are not encouraged in parking areas yet are encouraged in mass perennials to enhance the front sidewalks. Select perennials appropriately for their intended use (i.e. edging plants / mass plantings), and for long lasting foliage with good structure 1st, color 2nd, and texture & size 3rd. Select perennials with good color combinations and a variety of bloom times to add extra aesthetic value. Avoid the use of perennials that attract bees, or have objectionable odor, near entries or where people may congregate.

The use of vertical "green" screens and/or espaliers against building walls are encouraged to reduce building mass and create articulation. The use of espaliers adjacent to trash enclosures is also encouraged along with evergreen vines or screen material that can be used to screen utility areas and or placed on trash enclosure walls, as well.

Zone E - Building Zones

- Anchors
- Tenants
- Plazas

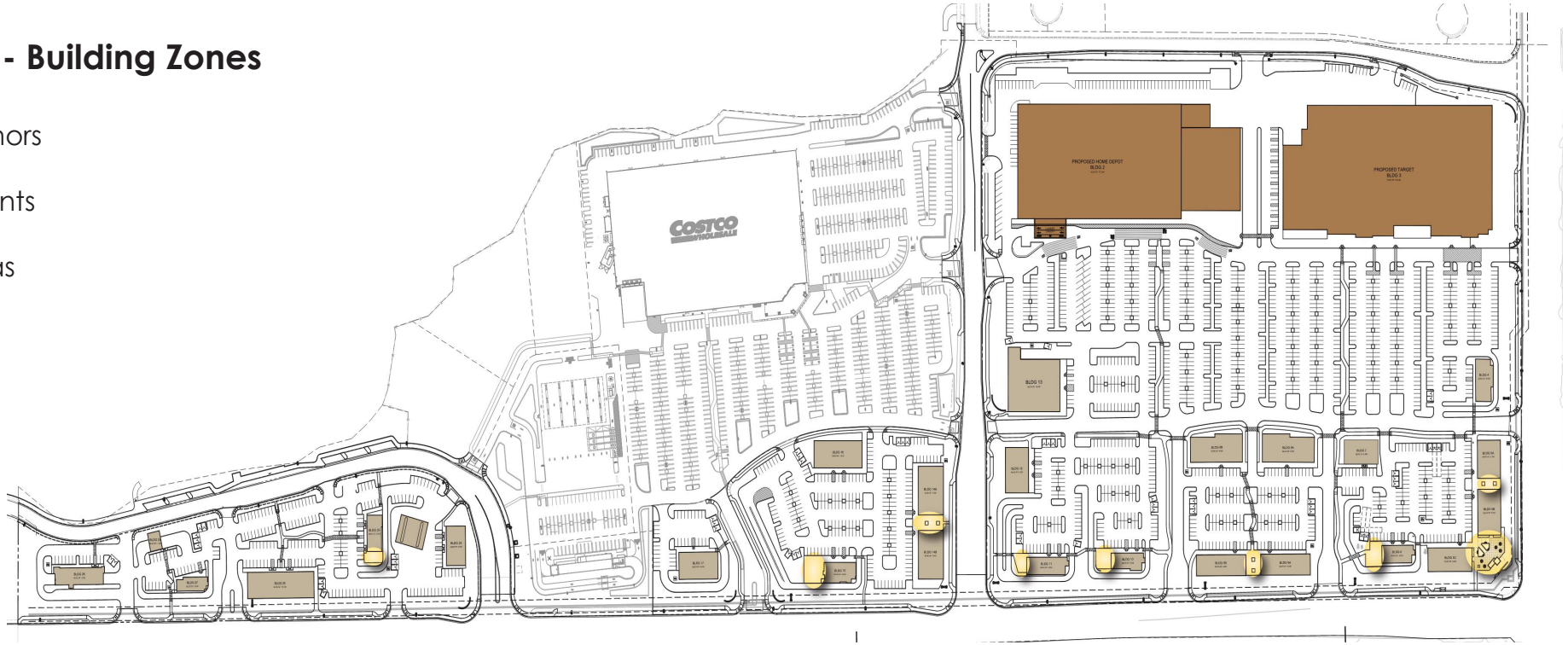


Figure 9

Anchor & Retail Promenade & Plaza - Trees

Acer rubrum
'Redpointe'
Redpointe Maple

Chionanthus retusus
Chinese Fringe Tree

Quercus wislizenii
Interior Live Oak

Anchor Promenade
SHADE TREE - Chionanthus retusus

Anchor Promenade Plazas
SHADE TREE - Acer rubrum 'Redpointe'

Retail Promenade
SHADE TREE - Acer rubrum 'Redpointe'

Retail Promenade Plazas
SHADE TREE - Chionanthus retusus
SPECIMEN TREE - Quercus wislizneii

Green Screen In Planter

Green Screen at Wall

Green Screen at Wall

Figure 10 - Corner Plaza Concept

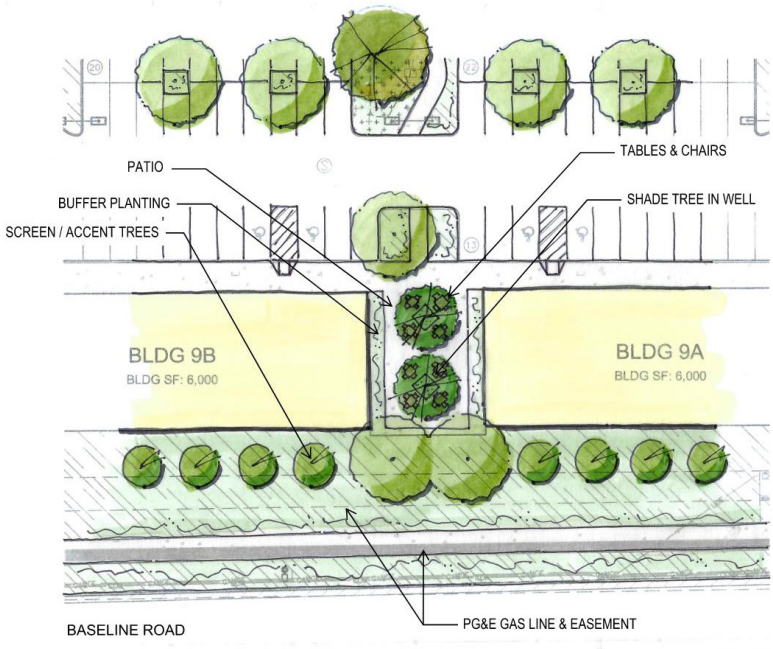


Figure 11 - Tenant Patio Concept

Walls, Fencing, and Furnishings

Freestanding walls, fences and cohesive, timeless designed, quality furnishings further reinforce project identity, branding, and image. Walls shall only be used to perform a specific function. To date there is no inherent function for any walls within this project. Perimeter fencing to the north of the site area shall provide for a post and cable fence, see below to discourage access into the open space area. No chain link, wood fences, or other types of wire fabric fencing will be allowed within the project area without special approval by the architectural control committee.

Masonry or pre cast walls, landscape hedges , vines on walls, and other screening measures should be used to reduce negative views. Walls built to screen transformers or trash enclosures adjacent to building should utilize stacked stone or veneer that complements the architecture of the building.

If barrier is necessary for security and or screening, solid masonry or precast concrete wall shall be utilized and compatible with the walls designed in the Sierra Vista Design Guidelines. Softening of the walls is encouraged using evergreen vines. Detail for masonry walls shall include decorative cap, pilasters and pilaster caps. See Figure 12.

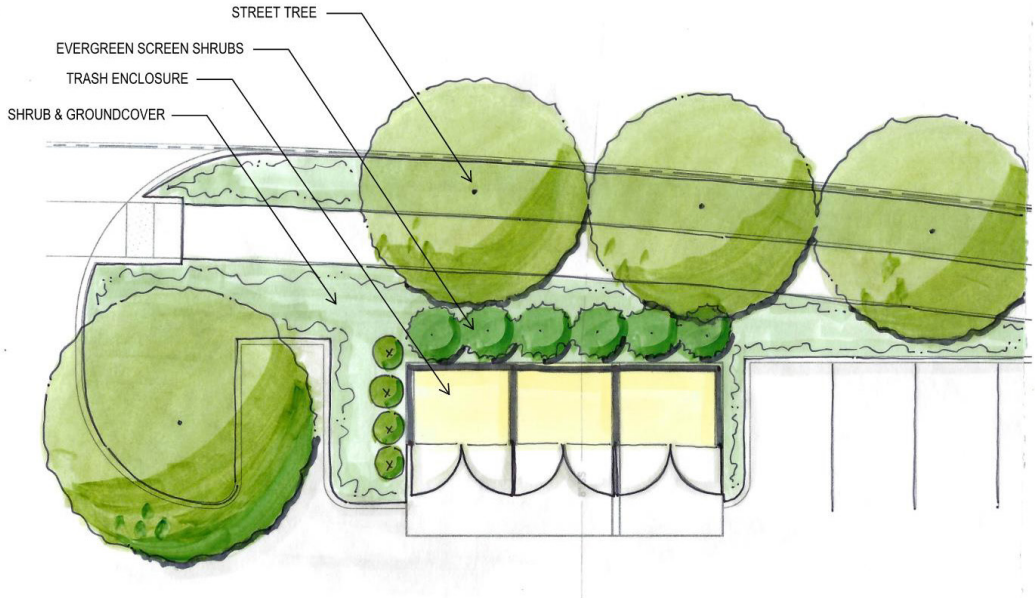


Figure 12 - Screening at Trash Enclosures

Furnishings

Street elements such as benches, bollards, trash receptacles, dining tables, pottery, and bike racks should reflect the project theme and mirror a residential scale. Materials used in construction of site furniture should complement Architectural materials used on adjacent buildings. Materials that are difficult to maintain, such as natural, unpainted, wood or easily vandalized such as concrete and highly polished metals should not be a part of the furniture. Materials such as plastic, fiberglass or simulated natural materials are not allowed without special approval. They should also be of such design that discourages graffiti or vandalism. All metal furniture shall be 'Matte Black'.

'Midtown' Metal Bench with Back
by Keystone Ridge Designs or Equal

'Preston' Metal Chairs
by Keystone Ridge Designs or Equal

'Midtown' Metal Trash Receptacle
by Keystone Ridge Designs or Equal

'Sonance' Bike Rack
by Keystone Ridge Designs or Equal

'Contra' Metal Table
by Keystone Ridge Designs or Equal

Cluster Pottery

General lighting considerations for site lighting quality must be geared to the specific use of the area.

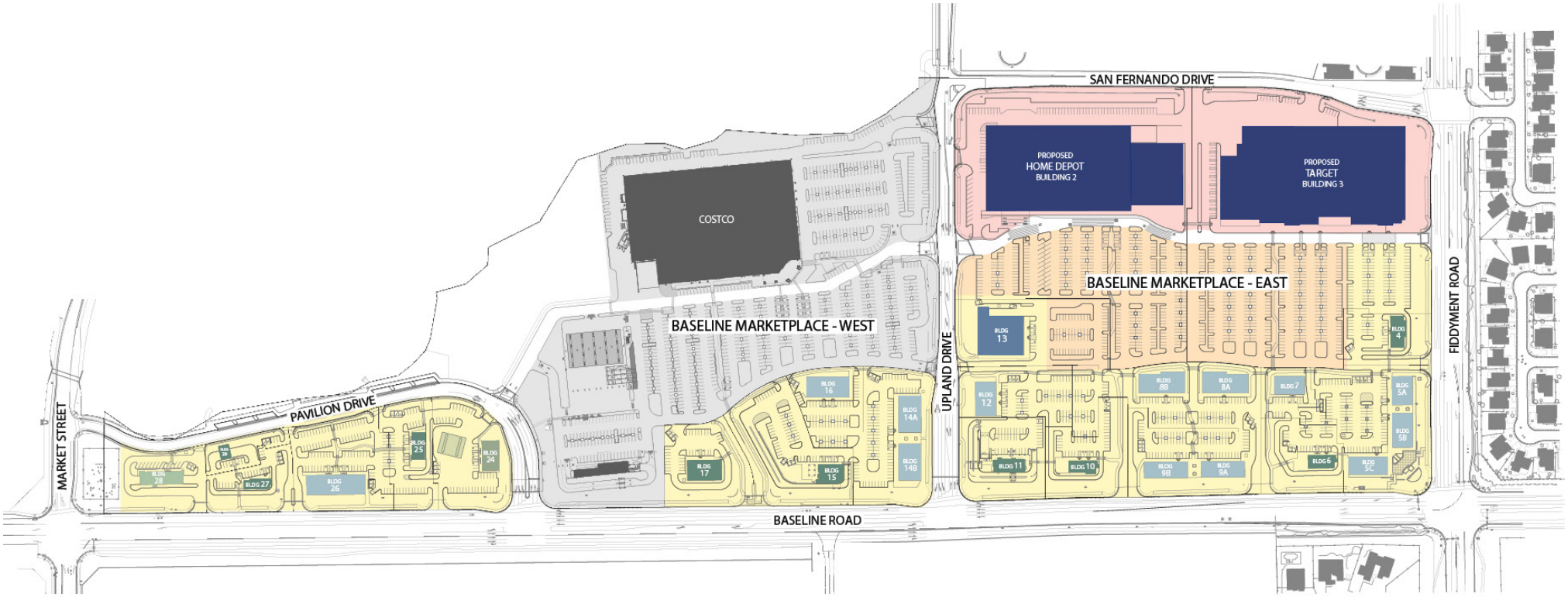
Careful consideration must be given to the use area within the project as well as the convenience of the site users. In the design of lighting for Baseline Marketplace, an effort has been made to emphasize the human scale design in public areas. The general guidelines with respect to the overall lighting concept for Baseline Marketplace are as follows:

- Light standards and fixtures (electroliers) should compliment architecturally with buildings, pedestrian areas and other hardscape elements.
- Electroliers shall be painted uniform, black color throughout the project.
- Design and placement of site lighting must utilize off fixtures or fixtures directed away from others required under these conditions.
- Automatic timers or a photo electric eye for lighting should be designed to maximize personal safety during night use while also saving energy.
- All frontage street lighting adjacent to Baseline Marketplace shall be of similar design, placed at regular intervals and mounted atop a concrete or metal pedestal. Streetlights shall be installed per City of Roseville specifications.
- Parking Lot fields, east and west of Upland and north of the Pedestrian Promenade, shall be positioned to enhance the lighting to mitigate conflict of vehicles and pedestrians at key points within the fields. These lights should be concentrated at intersections and pedestrian crosswalks. The maximum height in the parking lot fields shall be 30 feet.
- The smaller Retail parking lot fields East and West of Upland Drive and South of the Pedestrian Promenade shall be positioned to enhance the safety of vehicles and pedestrians at key points within the fields. These lights should be concentrated at intersections and pedestrian crosswalks. The maximum height of the parking lot lights in this area shall be 20 feet. The use of b0llard lighting is encouraged to enhance the pedestrian safety during evening use hours and shall match style and color of site light fixtures.
- Site lighting in plaza areas are encouraged to be indirect where possible, accenting landscaping, and or using decorative lighting such as "string lights" hung between building where reasonable. Site pedestrian level lighting in plaza areas where needed shall not exceed 14 foot mounting heights.
- All frontage street lighting adjacent to Baseline Marketplace shall be of similar design, placed at regular intervals and mounted atop a concrete or metal pedestal. Streetlights shall be installed per City of Roseville specifications. Seasonal lighting using bright colored or blinking lights shall be permitted within specific seasonal periods as identified in the Baseline Marketplace Association Guidelines.

LED Parking Field Lighting Poles

Bollard Lighting

Site Plan Lighting



BUILDING LEGEND

- MAJOR ANCHOR
- MINOR ANCHOR
- MULTI-TENANT
- DRIVE-THRU TENANT
- FUEL CENTER
- CAR WASH
- EXISTING BUILDING
- EXISTING RESIDENTIAL

LIGHTING LEGEND

- ADJACENT TO RESIDENTIAL - 18-20 FOOT POLES
- PRIMARY PARKING FIELD - 30 FOOT POLES
- PEDESTRIAN SHOPPING - 18-20 FOOT POLES
- EXISTING LIGHTING

Irrigation and Soils

In the face of increased regulation, and the potential for drought conditions, this project can be challenged to deliver a reliable water supply to its landscape. In preparing to meet future irrigation water demands and continuing to comply with municipal regulations requires this project and others within the Sierra Vista Specific Plan to comply with the plan requirements for connection to the municipal recycled water system. Initially this project will connect to a domestic source, however all components of the irrigation system will need to comply with City and State requirements for recycled water.

Irrigation Objectives

Developing an attractive, water efficient landscape, goes beyond a well designed irrigation system. Coordination during project planning is critical to meeting best management practices for irrigation and local requirements. Additionally, the actual watering procedures carried out after implementation must recognize and align with the landscape's low water needs. Methods of irrigation are grouped by Plant Selection, Hydrozones, Soils, and System & Controls.

Plant Selection

Drought tolerant and introduced native species have lower water demands, require less fertilization and are less susceptible to pests. Designing with drought tolerant exotic species, can result in a healthy and attractive landscape with minimal irrigation needs. The Sierra Vista Specific Plan design Guidelines Plant List shall be used as a guide for overstory, understory, and perennial plant selections.

Cool season turf generally requires more frequent watering and produces more runoff than most landscape plants. This project does not encourage the use of a cool season turf unless a specific function can support it's use. Where turf is identified it shall be a blend of tall fescue, i.e. "No Mow" or "Mow free" varieties. The consideration of using this drought tolerant turf grass is used because it is well adapted to the local climate and minimizes mowing and watering costs.

Hydrozones

Group plants and turf that have similar water needs to create different hydrozones within the landscape. Other micro-climatic conditions that guide zoning will include soil, sun/shade exposure, wind susceptibility and slope. Irrigating according to each zone's needs can result in significant water savings. Hydrozones should support the design intent and plant material guidelines for each Planting Zone.

Low Output Device, Subterranean Drip Tubing

Low Output Device, Stream Rotor

Systems & Controls

Irrigation systems provide supplemental water when rainfall is not sufficient to maintain the turf and landscape for its intended purpose. A quality irrigation system and its proper management are required to distribute supplemental water to foster healthy plants while conserving and protecting water resources and the environment.
Automated irrigation systems can greatly decrease the amount of water used in the landscape. They provide a high level of control across multiple areas with varying needs.

Responsive technology adjusts irrigation according to current site needs as they fluctuate with weather conditions, maximizing the benefits of precipitation. Obtain direct knowledge of site conditions prior to plan preparation by following City of Roseville Water Conservation ordinance standards. Provide all work per City and State plumbing and planning codes. The soils fertility report will need to be applied to the landscape elements considering the soil type, slope, plant material type, microclimate, weather and the ultimate water source, which will ultimately be a municipal recycled water source in scheduling irrigation zones.

- Select appropriate equipment that meets state and local codes and site needs.
- Specify manufacturer, model, type, and size of all components to eliminate ambiguity at construction and to facilitate management of the system.
- Select components to ensure the sprinkler precipitation rate is below the infiltration rate of the soil and/or use repeat cycles to allow the water to soak into the root zone. Specify filtration at the control valve at all drip systems to remove particulate matter.
- Separate drip/micro-irrigation zones from overhead irrigated zones. Drip/micro irrigation systems are not as susceptible to water losses due to evaporation, wind, or surface runoff.

- Specify pressure-compensated devices to improve overall uniformity.

- Specify pressure regulation upstream from the drip/micro-irrigation components.

- Use air release valves to minimize ingestion of dirt or other contaminants into the emitters.

- Use valves to flush the laterals after completion of the irrigation cycle.

Design Strategies

- Design irrigation system to be efficient and to uniformly distribute the water.

- Separate station/zones for sprinklers at the top and toe of sloped areas. Use separate station/zones (hydrozones) for areas with dissimilar water or scheduling requirements.

- Design the irrigation system to minimize installation and maintenance difficulties.

- Consider the expected size of larger specimen plants (three-year establishment period for shrubs and ten years for trees) to guide design layout.

- Use drip/micro-irrigation, and or bubblers where appropriate to reduce evaporation losses and surface runoff, and to avoid applying water on paved surfaces.

- Design the layout of heads and other emission devices for zero overspray across or onto paved surfaces, building, fence, or adjoining property.

- Overspray may occur during operation due to actual wind conditions that differ from the design criteria.

- When selecting system components, place a high priority on avoiding surface runoff.

- Design sprinkler head spacing with a minimum of "head-to-head" coverage (minimum 50% of diameter) unless the coverage is designed for wind de-rating.

- Locate sprinkler heads based on a thorough evaluation of physical, environmental, and hydraulic site conditions, including typical wind conditions during the normal irrigation period.

- Audit installation for conformance with design specifications and drawings.

Typical Water-Conserving Devices

- Check valves shall be used to minimize low-head drainage and runoff.

- Pressure regulators or pressure compensating screens, stems or nozzles to control high pressure rain, and/or wind sensors to suspend irrigation during weather conditions that are unfavorable for irrigation.

- ET based controller that allows for flexible irrigation scheduling and advanced water management features.

- This project will ultimately be fed with recycled, (non-potable), water. Special management practices and components will be required when using this alternative water source.

- Explore low-trajectory sprinkler nozzles along with the appropriate modified head spacing to mitigate the effects of wind.

- Select components that do not mist when manufacturer's pressure specifications are met.

Soils

- Different soils have varying irrigation requirements. The Baseline Marketplace site is a Clay soil type which will have a higher runoff rate requiring lower-volume, higher frequency watering, (cycle / soak controller).

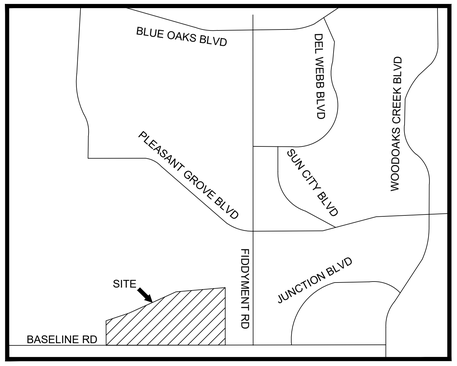
- Conditioning the soil with an organic based soil conditioner will be required and will increase water holding capacity resulting in reduced runoff, watering requirements and frequency of watering. Provide soils fertility test to correctly assess soils and specify organic matter, fertilizer rates, and other amendments as necessary. The anticipated ratio of organic based soil conditioner is 4 cubic yards per 1,000 square feet of landscaped area.

END

BASELINE MARKETPLACE

5000 BASELINE ROAD
ROSEVILLE, CA

CITY OF ROSEVILLE, PLACER COUNTY, STATE OF CALIFORNIA



VICINITY MAP
N.T.S.

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C0.0	COVER SHEET
C1.1	SITE PLAN (SHEET 1 OF 4)
C1.2	SITE PLAN (SHEET 2 OF 4)
C1.3	SITE PLAN (SHEET 3 OF 4)
C1.4	SITE PLAN (SHEET 4 OF 4)
C2.1	STORM DRAINAGE PLAN (SHEET 1 OF 4)
C2.2	STORM DRAINAGE PLAN (SHEET 2 OF 4)
C2.3	STORM DRAINAGE PLAN (SHEET 3 OF 4)
C2.4	STORM DRAINAGE PLAN (SHEET 4 OF 4)
C3.1	GRADING PLAN (SHEET 1 OF 4)
C3.2	GRADING PLAN (SHEET 2 OF 4)
C3.3	GRADING PLAN (SHEET 3 OF 4)
C3.4	GRADING PLAN (SHEET 4 OF 4)
C3.5	GRADING SECTIONS
C4.1	UTILITY PLAN (SHEET 1 OF 4)
C4.2	UTILITY PLAN (SHEET 2 OF 4)
C4.3	UTILITY PLAN (SHEET 3 OF 4)
C4.4	UTILITY PLAN (SHEET 4 OF 4)
C5.1	FIRE AND SOLID WASTE ACCESS PLAN (SHEET 1 OF 4)
C5.2	FIRE AND SOLID WASTE ACCESS PLAN (SHEET 2 OF 4)
C5.3	FIRE AND SOLID WASTE ACCESS PLAN (SHEET 3 OF 4)
C5.4	FIRE AND SOLID WASTE ACCESS PLAN (SHEET 4 OF 4)

BASIS OF BEARING

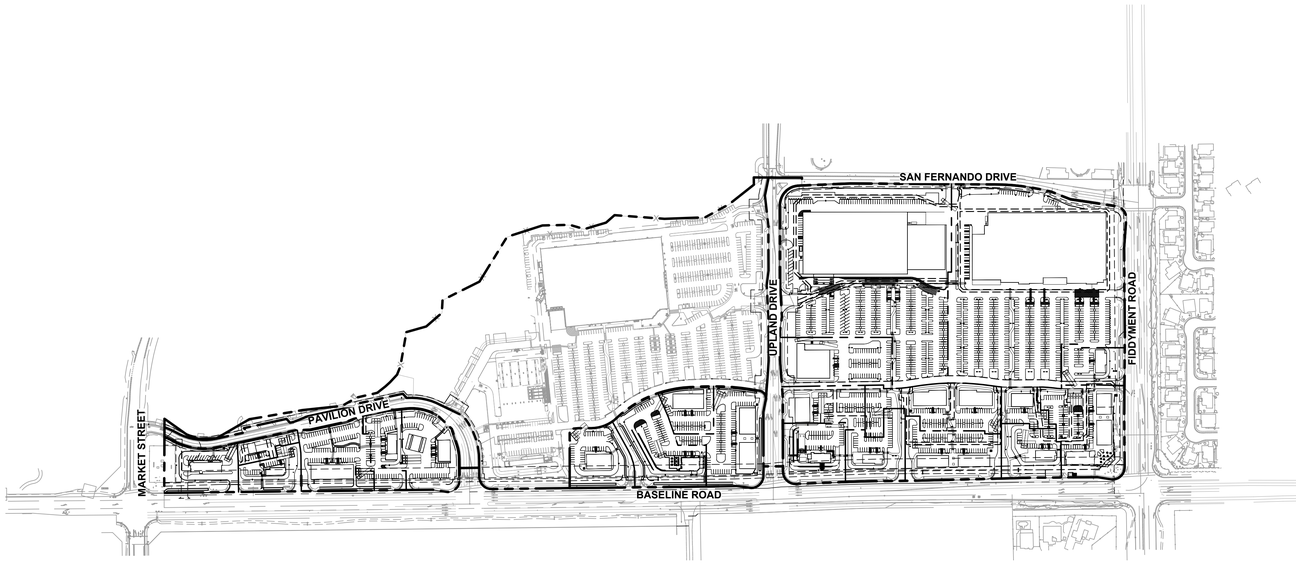
THE BASIS OF BEARINGS FOR THIS MAP IS N 89°29'02" E, BETWEEN FOUND MONUMENTS ALONG THE SOUTH LINE OF THE SOUTH EAST QUARTER OF SECTION 36 AS SHOWN ON THAT CERTAIN FINAL MAP ENTITLED "SIERRA VISTA DF PROPERTIES, INC. LARGE LOT SUBDIVISION, SUBDIVISION NO. PL 15-0192" RECORDED OCTOBER 29, 2020 IN BOOK FF OF MAPS, AT PAGE 21, PLACER COUNTY RECORDS.

FLOOD ZONE INFORMATION

THE PROPERTY DESCRIBED ON THIS SURVEY LIES WITHIN ZONE "X" OF THE FLOOD INSURANCE RATE MAP IDENTIFIED AS MAP NO. 06061C0938H, BEARING AN EFFECTIVE DATE OF 11/02/2018. ZONE "X" IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

ABBREVIATIONS

(X.XX)	EXISTING ELEVATION	FS	FINISHED SURFACE	SF	SQUARE FEET
BC	BOTTOM OF CURB	FW	FIRE WATER	SDWK	SIDEWALK
BD	BEND	GB	GRADE BREAK	STBK	SETBACK
BLDG	BUILDING	GL	GRID LINE	STR	STRUCTURE
BMP	BEST MANAGEMENT	HP	HIGH POINT	SS	SANITARY SEWER
PRACTICES		IE	INVERT ELEVATION	SW	SIDEWALK
BW	BOTTOM OF WALL	INV	PIPE INVERT	TC	TOP OF CURB
CC	CURB CUT	LP	LOW POINT	TG	TOP OF GRATE
CO	CLEAN OUT	LS	LANDSCAPE	TP	TOP OF PAVEMENT
COR	CITY OF ROSEVILLE	ME	MATCH EXISTING	TW	TOP OF WALL
CL	CENTERLINE	MH	MANHOLE	TYP	TYPICAL
DW	DOMESTIC WATER	PL	PROPERTY LINE	WQ	WATER QUALITY
EG	EXISTING GRADE	POC	POINT OF CONNECTION		
EP	EDGE OF PAVEMENT	PR	PROPOSED		
ESMT	EASEMENT	RCP	REINFORCED		
EX	EXISTING	CONCRETE PIPE			
FF	FINISHED FLOOR	RET	RETAINING		
ELEVATION		RIM	RIM ELEVATION		
FG	FINISHED GRADE	RL	RIDGE LINE		
FH	FIRE HYDRANT	RW	RIGHT OF WAY		
FL	FLOW LINE	SD	STORM DRAIN		



PROPERTY DESCRIPTION

BEING A MERGER AND RESUBDIVISION OF LOTS 6, 7, AND 8 AND A PORTION OF THE RIGHT-OF-WAY OF UPLAND DRIVE. SAN FERNANDO DRIVE AND BASELINE ROAD OF THAT CERTAIN MAP ENTOTLED "SIERRA VISTA DF PROPERTIES, INC., LARGE LOT SUBDIVISION, SUBDIVISION NO. PL15-0192 FILED FOR RECORD ON OCTOBER 29, 2020 IN BOOK FF OF MAPS AT PAGE 21, PLACER COUNTY RECORDS, LOCATED IN A PORTION OF THE SOUTH HALF OF SECTION 36, TOWNSHIP 11 NORTH, RANGE 5 EAST, MOUNT DIABLO MERIDIAN. CITY OF ROSEVILLE. PLACER COUNTY. CALIFORNIA.

BENCHMARK

CITY OF ROSEVILLE CITY BENCHMARK "BM 126"
ELEVATION: 120.150 FEET [DATUM: NAVD 88]
DESCRIPTION: "3-1/4" BRASS DISK STAMPED 2018 PLS 8278, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF FIDDYMENT ROAD AND WESTLAKE DRIVE ON THE TOP OF CURB AT NORTH CURB RETURN"
NOTE: THE ELEVATIONS SHOWN WITHIN THIS PLAN SET ARE ON NAVD88 DATUM. TO CONVERT FROM NAVD88 TO NGVD29 SUBTRACT 2.12-FEET.
EXAMPLE: 120.15 (NAVD88) = 118.03 (NGVD29)

CC&R NOTE

COVENANTS, CONDITIONS & RESTRICTIONS (CC&Rs) WILL BE REQUIRED TO MAINTAIN RECIPROCAL PARKING RIGHTS, DRAINAGE ACCESS, AND CONSTRUCTION ACCESS BETWEEN SUBJECT PARCELS. CC&Rs WILL BE SUBMITTED FOR REVIEW AND REQUIRED TO BE APPROVED PRIOR TO FINAL BUILDING PERMIT APPROVAL.

ENGINEER

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T: 206-536-2610

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981 CORPORATE CENTER DR. STE 150
POMONA, CA 91768
CONTACT: PETER E. WEILBACHER
T: 888-714-9642

OWNER

DF PROPERTIES, INC.
2013 OPPORTUNITY DRIVE, SUITE 140
ROSEVILLE, CA 95678
CONTACT:
T:

FIRE PROTECTION

CITY OF ROSEVILLE
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TELEPHONE/CABLE

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1162 ROSEVILLE PARKWAY SUITE 100
ROSEVILLE, CA 95678
T: 800-934-6489

STORM DRAIN

CITY OF ROSEVILLE PUBLIC WORKS
311 VERNON ST #100,
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ROSEVILLE, CA 95678
T: 916-774-5300

GAS

PACIFIC GAS AND ELECTRIC
151 N SUNRISE AVENUE, SUITE 513
ROSEVILLE, CA 95661
T: 877-660-6789

No.	REVISIONS	DATE	BY

Kimley»Horn

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BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

COVER SHEET

SHEET NUMBER
C0.0

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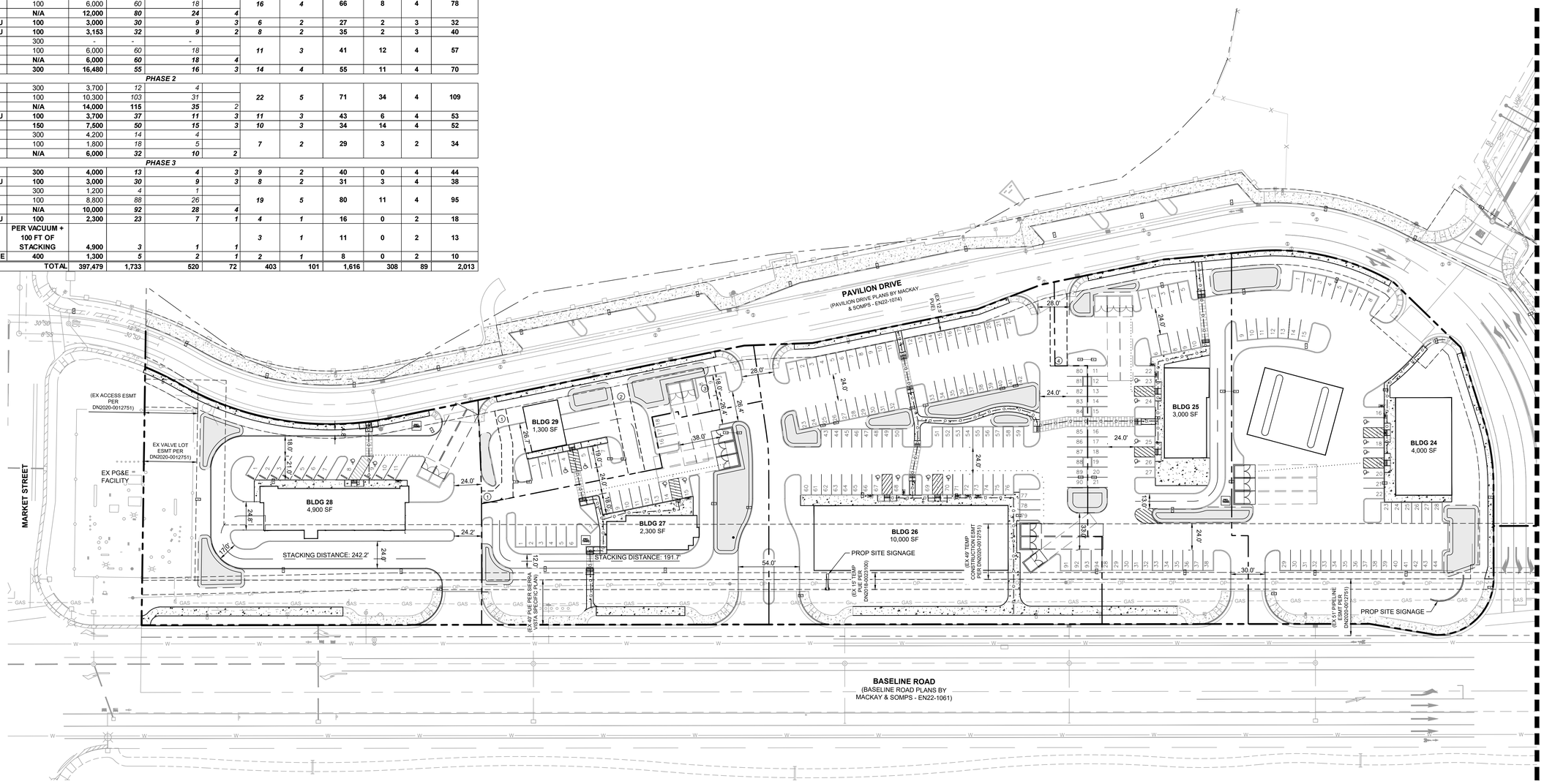
LOT NUMBER	AREA (ACRE)	BUILDING NUMBER	USE	PARKING REQUIREMENT 1 PER SQ FT	BUILDING AREA (SF)	REQ. PARKING	ALLOWABLE COMPACT STALLS (30%)	REQUIRED ADA STALLS	REQ. EV CAPABLE STALLS	REQ. EV CHARGERS	STANDARD STALLS	COMPACT STALLS	ADA STALLS	PARKING TOTAL
PHASE 1														
2	10.91	2	**RETAIL**	**300**	**107,546**	*358*	*108*	*9*	*94*	*23*	366	93	9	468
3	12.04	3	**RETAIL**	**300**	**148,000**	*493*	*148*	*11*	*107*	*27*	441	80	12	533
4	0.89	4	**BANK**	**250**	**4,000**	*16*	*5*	*2*	*6*	*1*	24	2	2	28
5	2.53	5 A-C	RETAIL	300	11,100	*37*	*11*		*17*	*4*	71	10	6	87
			FOOD	100	6,000	*60*	*18*							
			TOTAL	**N/A**	**17,100**	*97*	*29*	*4*						
6	1.15	6	**DRIVE THRU**	**100**	**3,000**	*30*	*9*	*3*	*5*	*1*	17	2	4	23
7	0.60	7	**RETAIL**	**300**	**4,500**	*15*	*5*	*1*	*5*	*1*	20	2	2	24
8	2.22	8 A-B	RETAIL	300	14,000	*47*	*14*		*21*	*5*	90	13	4	107
			FOOD	100	2,000	*20*	*6*							
			TOTAL	**N/A**	**16,000**	*67*	*20*	*3*						
9	1.86	9 A-B	RETAIL	300	6,000	*20*	*6*		*16*	*4*	66	8	4	78
			FOOD	100	6,000	*60*	*18*							
			TOTAL	**N/A**	**12,000**	*80*	*24*	*4*						
10	1.24	10	**DRIVE THRU**	**100**	**3,000**	*30*	*9*	*3*	*6*	*2*	27	2	3	32
11	1.41	11	**DRIVE THRU**	**100**	**3,153**	*32*	*9*	*2*	*8*	*2*	35	2	3	40
12	1.22	12	RETAIL	300	-	-	-		*11*	*3*	41	12	4	57
			FOOD	100	6,000	*60*	*18*							
			TOTAL	**N/A**	**6,000**	*60*	*18*	*4*						
13	2.07	13	**RETAIL**	**300**	**16,480**	*55*	*16*	*3*	*14*	*4*	55	11	4	70
PHASE 2														
14	2.15	14 A-B	RETAIL	300	3,700	*12*	*4*		*22*	*5*	71	34	4	109
			FOOD	100	10,300	*103*	*31*							
			TOTAL	**N/A**	**14,000**	*115*	*35*	*2*						
15	2.02	15	**DRIVE THRU**	**100**	**3,700**	*37*	*11*	*3*	*11*	*3*	43	6	4	53
16	0.84	16	**DENTIST**	**150**	**7,500**	*50*	*15*	*3*	*10*	*3*	34	14	4	52
17	1.37	17	RETAIL	300	4,200	*14*	*4*		*7*	*2*	29	3	2	34
			FOOD	100	1,800	*18*	*5*							
			TOTAL	**N/A**	**6,000**	*32*	*10*	*2*						
PHASE 3														
24	1.57	24	**FUEL**	**300**	**4,000**	*13*	*4*	*3*	*9*	*2*	40	0	4	44
25	1.01	25	**DRIVE THRU**	**100**	**3,000**	*30*	*9*	*3*	*8*	*2*	31	3	4	38
26	1.77	26	RETAIL	300	1,200	*4*	*1*		*19*	*5*	80	11	4	95
			FOOD	100	8,800	*88*	*26*							
			TOTAL	**N/A**	**10,000**	*92*	*28*	*4*						
27	0.88	27	**DRIVE THRU**	**100**	**2,300**	*23*	*7*	*1*	*4*	*1*	16	0	2	18
28	1.33	28	**CAR WASH**	**PER VACUUM + 100 FT OF STACKING**	**4,900**	*3*	*1*	*1*	*3*	*1*	11	0	2	13
29	0.44	29	**CAR SERVICE**	**400**	**1,300**	*5*	*2*	*1*	*2*	*1*	8	0	2	10
				TOTAL	**397,479**	**1,733**	**520**	**72**	**403**	**101**	**1,616**	**308**	**89**	**2,013**



LEGEND

- PROJECT BOUNDARY
- PROPOSED PROPERTY LINE
- EASEMENT
- ROAD CENTERLINE
- 100-YR WSEL
- ACCESSIBILITY PATH
- TRASH ENCLOSURE ACCESSIBILITY PATH
- PROPOSED FENCE
- 6" VERTICAL CURB
- CURB AND GUTTER
- PROPOSED SIDEWALK
- EXISTING SIDEWALK
- VEGETATED SWALE
- PROPOSED BIORETENTION
- PROPOSED LIGHT POST
- PROPOSED TRANSFORMER
- PROPOSED EV CHARGER
- PROPOSED TREE WELL (9.0' x 8.0')
- PROPOSED TRASH ENCLOSURE (65')

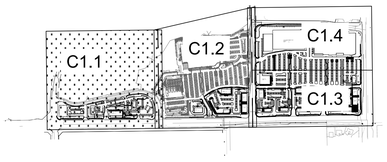
GENERAL NOTES

1. ALL STANDARD PARKING STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
2. ALL COMPACT STALLS ARE 9' X 16' UNLESS OTHERWISE NOTED.
3. ALL ACCESSIBLE STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
4. PARKING STRIPING TO BE DOUBLE STRIPING PER CITY OF ROSEVILLE STANDARDS.
5. EV CHARGING STALL LOCATION AND QUANTITY ARE PRELIMINARY AND SUBJECT TO CHANGE AFTER COORDINATION WITH ROSEVILLE ELECTRIC.
6. ONCE TENANT FOR FUEL STATION IS IDENTIFIED. PERMIT TO OPERATE SHALL BE SUBMITTED TO THE PACER COUNTY AIR POLLUTION CONTROL DISTRICT PER THE SVSP EIR

EASEMENT TABLE	
EASEMENT NO.	DESCRIPTION
1	10' PRIVATE WATER EASEMENT
2	15' PUBLIC SEWER EASEMENT
3	10' PRIVATE RECYCLED WATER EASEMENT
4	15' PUBLIC SEWER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



NORTH

KEY MAP
N.T.S

No.	REVISIONS	DATE	BY

Kimley»Horn

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BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY — ROSEVILLE, CA

SITE PLAN (SHEET 1 OF 4)

SHEET NUMBER
C1.1

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MATCHLINE - SEE SHEET 1 OF 4

MATCHLINE - SEE SHEET 3 OF 4

PAVILION DRIVE
(PAVILION DRIVE PLANS BY MACKAY - & SOMPS - EN20-1974)

BASELINE ROAD
(BASELINE ROAD PLANS BY MACKAY & SOMPS - EN22-1061)

UPLAND DRIVE
(UPLAND DRIVE SEGMENT 5 PLANS BY MACKAY & SOMPS - EN22-1039)

BLDG 16
7,500 SF

BLDG 14A
7,000 SF

BLDG 14B
7,000 SF

BLDG 15
3,700 SF

BLDG 17
6,000 SF

STACKING DISTANCE: 237.0'

STACKING DISTANCE: 437.4'

PROP SITE SIGNAGE

PROP SITE SIGNAGE

PROP 36" RCP (TO BE RELOCATED WITH COSTCO PROJECT)

(EX 50' TEMP CONSTRUCTION ESMT PER DN2020-0012751)

(EX 15' TEMP PUE PER DN2020-0012751)

(EX 40' PUE PER SIERRA VISTA SPECIFIC PLAN)

(EX 50' PIPELINE ESMT PER DN2020-0012751)

(EX 25' PUE)

LEGEND

- PROJECT BOUNDARY
- PROPOSED PROPERTY LINE
- EASEMENT
- ROAD CENTERLINE
- 100-YR WSEL
- ACCESSIBILITY PATH
- TRASH ENCLOSURE ACCESSIBILITY PATH
- PROPOSED FENCE
- 6" VERTICAL CURB
- CURB AND GUTTER
- PROPOSED SIDEWALK
- EXISTING SIDEWALK
- VEGETATED SWALE
- PROPOSED BIORETENTION
- PROPOSED LIGHT POST
- PROPOSED TRANSFORMER
- PROPOSED EV CHARGER
- PROPOSED TREE WELL (8.0' x 5.0')
- PROPOSED TRASH ENCLOSURE (65')

GENERAL NOTES

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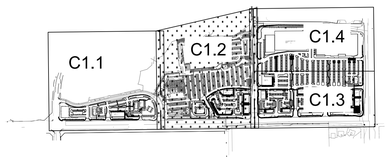
NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



NORTH

KEY MAP
N.T.S

No.	REVISIONS	DATE	BY

Kimley»Horn

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BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

SITE PLAN (SHEET 2 OF 4)

SHEET NUMBER
C1.2

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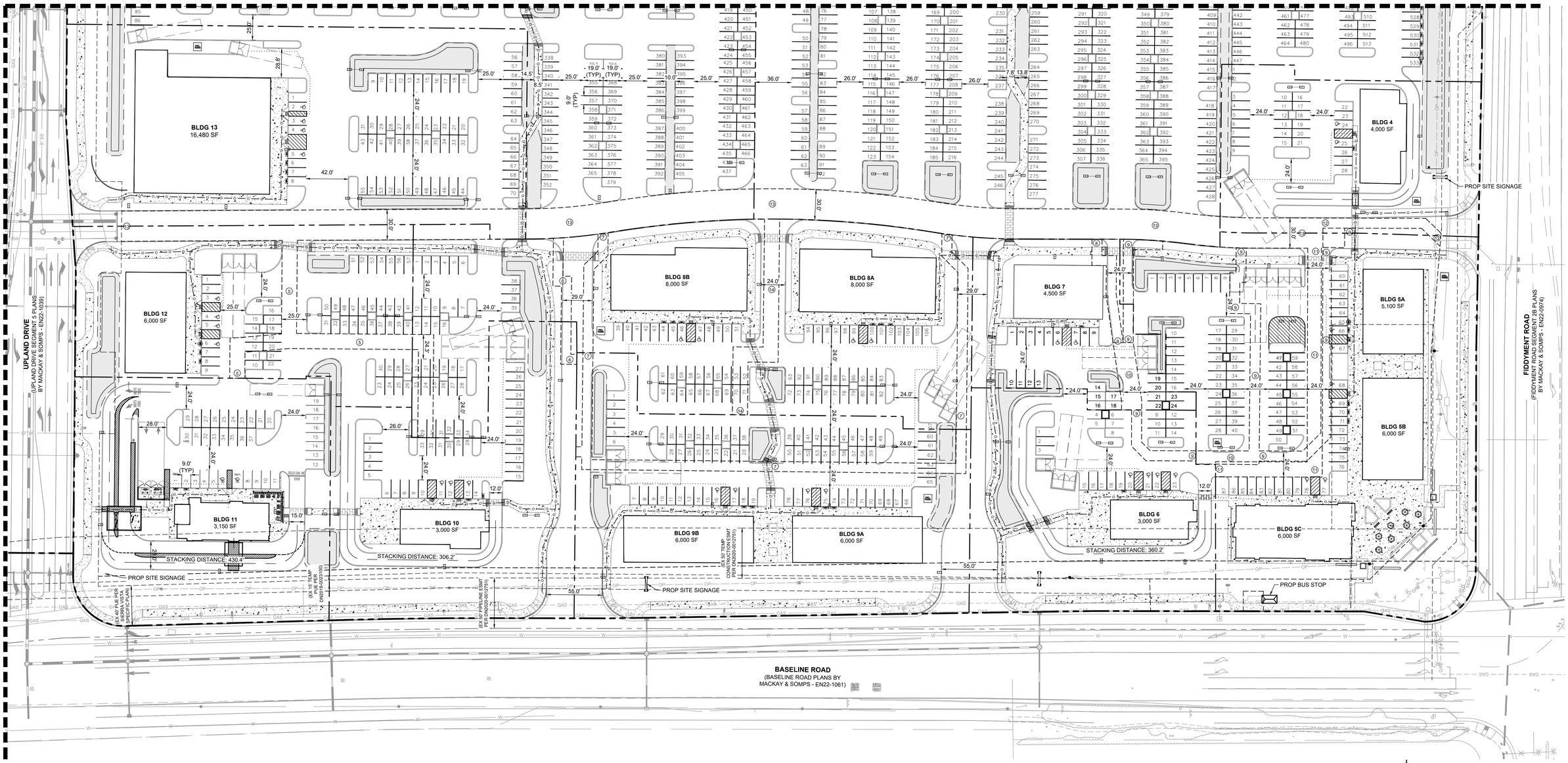
MATCHLINE - SEE SHEET 4 OF 4

MATCHLINE - SEE SHEET 2 OF 4



LEGEND

- PROJECT BOUNDARY
- PROPOSED PROPERTY LINE
- EASEMENT
- ROAD CENTERLINE
- 100-YR WSEL
- ACCESSIBILITY PATH
- TRASH ENCLOSURE ACCESSIBILITY PATH
- PROPOSED FENCE
- 6" VERTICAL CURB
- CURB AND GUTTER
- PROPOSED SIDEWALK
- EXISTING SIDEWALK
- VEGETATED SWALE
- PROPOSED BIORETENTION
- PROPOSED LIGHT POST
- PROPOSED TRANSFORMER
- PROPOSED EV CHARGER
- PROPOSED TREE WELL (4.0' / 8.0')
- PROPOSED TRASH ENCLOSURE (65')

GENERAL NOTES

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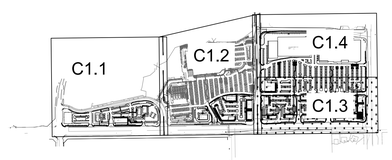
EASEMENT TABLE	
EASEMENT NO.	DESCRIPTION
5	15' PUBLIC SEWER EASEMENT
6	10' PRIVATE RECYCLED WATER EASEMENT
7	10' PRIVATE WATER EASEMENT
8	10' PRIVATE RECYCLED WATER EASEMENT
9	10' PRIVATE WATER EASEMENT
10	VARIABLE WIDTH COMBINED PRIVATE WATER & RECYCLED WATER EASEMENT
11	15' PUBLIC SEWER EASEMENT
12	15' PUBLIC WATER EASEMENT
13	30' PUBLIC UTILITY EASEMENT
14	15' PUBLIC SEWER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



NORTH

KEY MAP
N.T.S

No.	REVISIONS	DATE	BY

Kimley»Horn

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BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

SITE PLAN
(SHEET 3 OF 4)

SHEET NUMBER
C1.3

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MATCHLINE - SEE SHEET 4 OF 6

MATCHLINE - SEE SHEET 3 OF 4

SAN FERNANDO DRIVE
(SAN FERNANDO DRIVE PLANS BY MACKAY & SOMPS - EN22-0998)

UPLAND DRIVE
(UPLAND DRIVE SEGMENT 5 PLANS BY MACKAY & SOMPS - EN22-1089)

FIDDYMENT ROAD
(FIDDYMENT ROAD SEGMENT 2B PLANS BY MACKAY & SOMPS - EN22-0974)

BLDG 2
107,546 SF

BLDG 3
148,000 SF

PROP SOUND WALL

PROP STAGING AREA

PROP SITE SIGNAGE

SALES/DISPLAY

COMPACTOR

LEGEND

- PROJECT BOUNDARY
- PROPOSED PROPERTY LINE
- EASEMENT
- ROAD CENTERLINE
- 100-YR WSEL
- ACCESSIBILITY PATH
- TRASH ENCLOSURE ACCESSIBILITY PATH
- PROPOSED FENCE
- 6" VERTICAL CURB
- CURB AND GUTTER
- PROPOSED SIDEWALK
- EXISTING SIDEWALK
- VEGETATED SWALE
- PROPOSED BIORETENTION
- PROPOSED LIGHT POST
- PROPOSED TRANSFORMER
- PROPOSED EV CHARGER
- PROPOSED TREE WELL
- PROPOSED TRASH ENCLOSURE

GENERAL NOTES

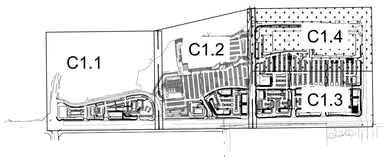
1. ALL STANDARD PARKING STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
2. ALL COMPACT STALLS ARE 9' X 16' UNLESS OTHERWISE NOTED.
3. ALL ACCESSIBLE STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
4. PARKING STRIPING TO BE DOUBLE STRIPING PER CITY OF ROSEVILLE STANDARDS.
5. EV CHARGING STALL LOCATION AND QUANTITY ARE PRELIMINARY AND SUBJECT TO CHANGE AFTER COORDINATION WITH ROSEVILLE ELECTRIC.

EASEMENT TABLE

EASEMENT NO.	DESCRIPTION
15	10' PRIVATE RECYCLED WATER EASEMENT
16	15' PUBLIC SEWER EASEMENT
17	VARIABLE WIDTH PUBLIC WATER EASEMENT
18	10' PRIVATE WATER EASEMENT
19	10' PUBLIC WATER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



NORTH

KEY MAP
N.T.S

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BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

SITE PLAN (SHEET 4 OF 4)

SHEET NUMBER
C1.4

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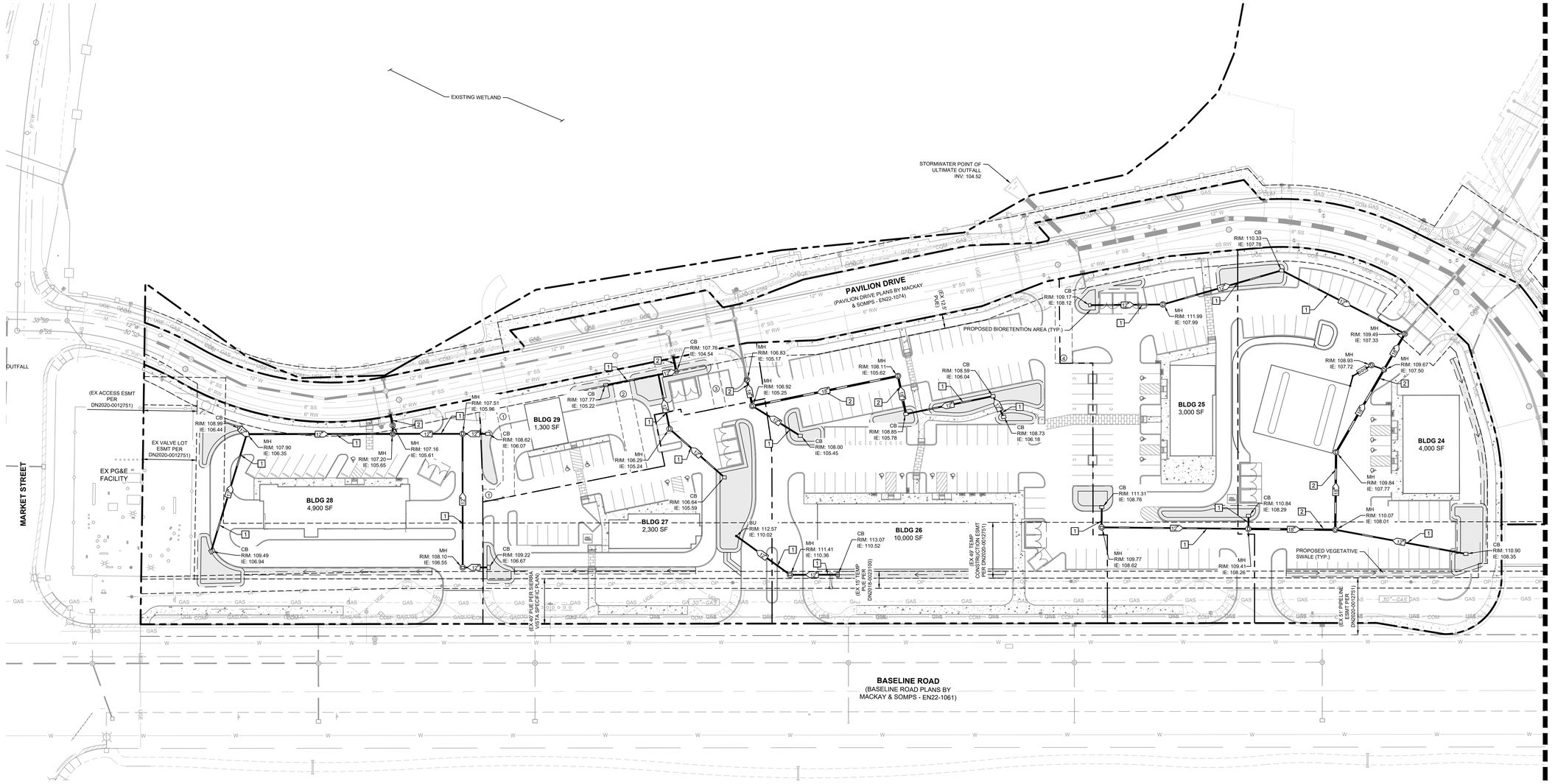


LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- XXX — PROPOSED MAJOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- HP — HIGH POINT
- LP — LOW POINT
- GB — GRADE BREAK
- 100-YR WSEL
- PROPOSED CURB
- PROPOSED CURB AND GUTTER
- CURB BY OTHERS
- PROPOSED RETAINING WALL
- PROPOSED STORM DRAIN
- PROPOSED LIGHT POLE
- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- PROPOSED STORM OUTFALL
- PROPOSED ROOF DRAIN CONN.
- PROPOSED BUBBLE UP
- PROPOSED BIORETENTION
- PROPOSED VEGETATIVE SWALE

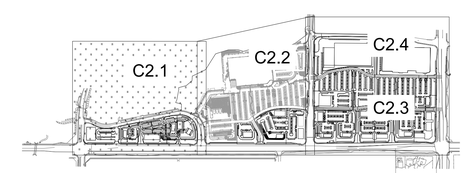
STORMWATER NOTES

1. INSTALL 12" HDPE STORM DRAIN PIPE.
2. INSTALL 18" HDPE STORM DRAIN PIPE.

EASEMENT TABLE	
EASEMENT NO.	DESCRIPTION
1	10' PRIVATE WATER EASEMENT
2	15' PUBLIC SEWER EASEMENT
3	10' PRIVATE RECYCLED WATER EASEMENT
4	15' PUBLIC SEWER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



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BASELINE MARKETPLACE
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PLACER COUNTY ROSEVILLE, CA

STORM DRAINAGE PLAN (SHEET 1 OF 4)

SHEET NUMBER
C2.1

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MATCHLINE - SEE SHEET 1 OF 4

MATCHLINE - SEE SHEET 3 OF 4

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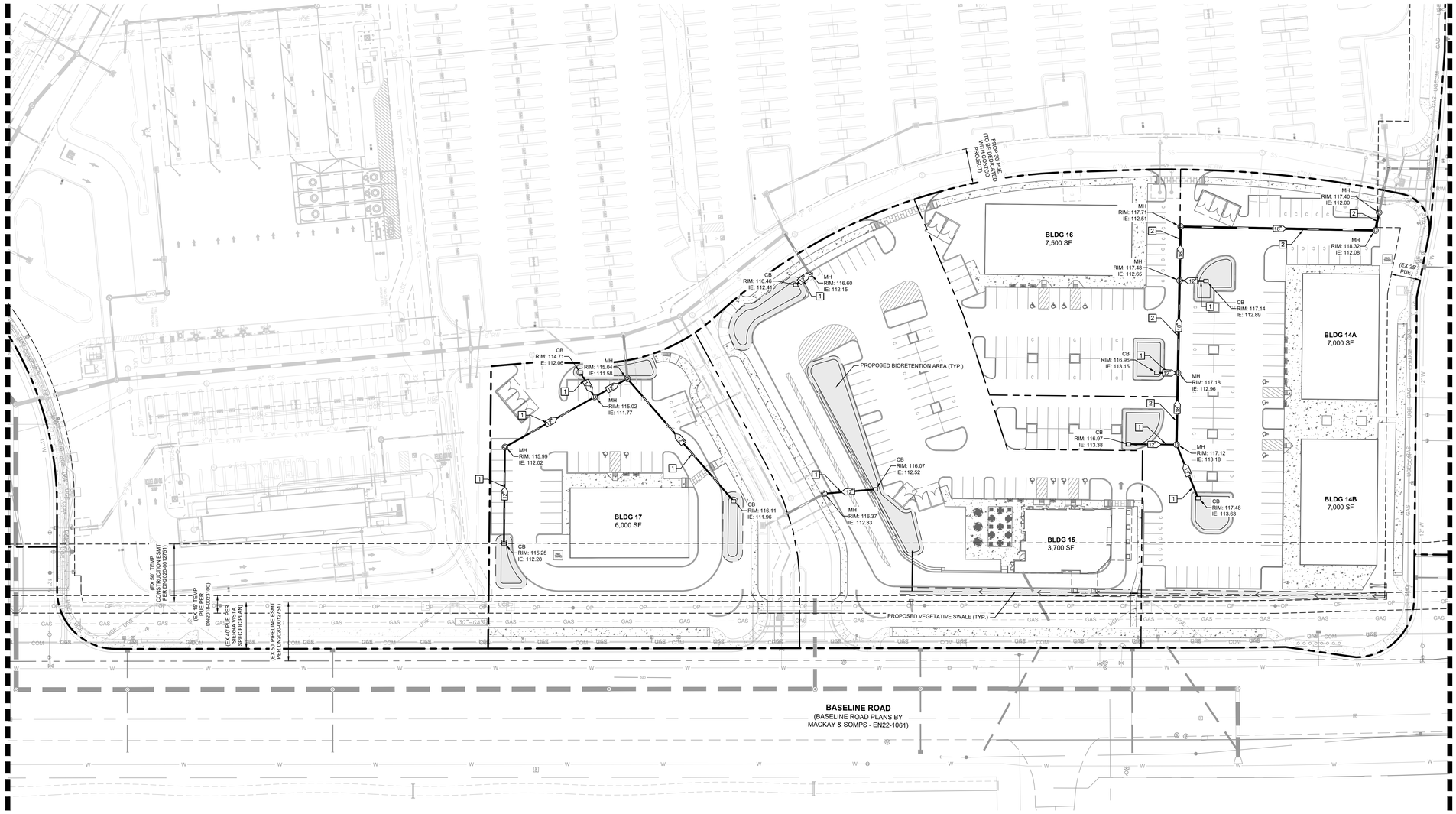

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
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- EXISTING MINOR CONTOUR
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- LOW POINT
- GRADE BREAK
- 100-YR WSEL
- PROPOSED CURB
- PROPOSED CURB AND GUTTER
- CURB BY OTHERS
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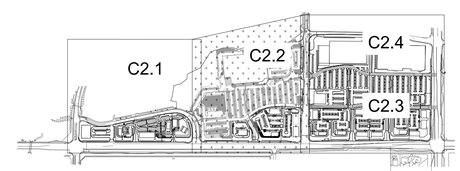
- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- PROPOSED STORM OUTFALL
- PROPOSED ROOF DRAIN CONN.
- PROPOSED BUBBLE UP
- PROPOSED BIORETENTION
- PROPOSED VEGETATIVE SWALE

STORMWATER NOTES

1. INSTALL 12" HDPE STORM DRAIN PIPE.
2. INSTALL 18" HDPE STORM DRAIN PIPE.



NORTH

KEY MAP
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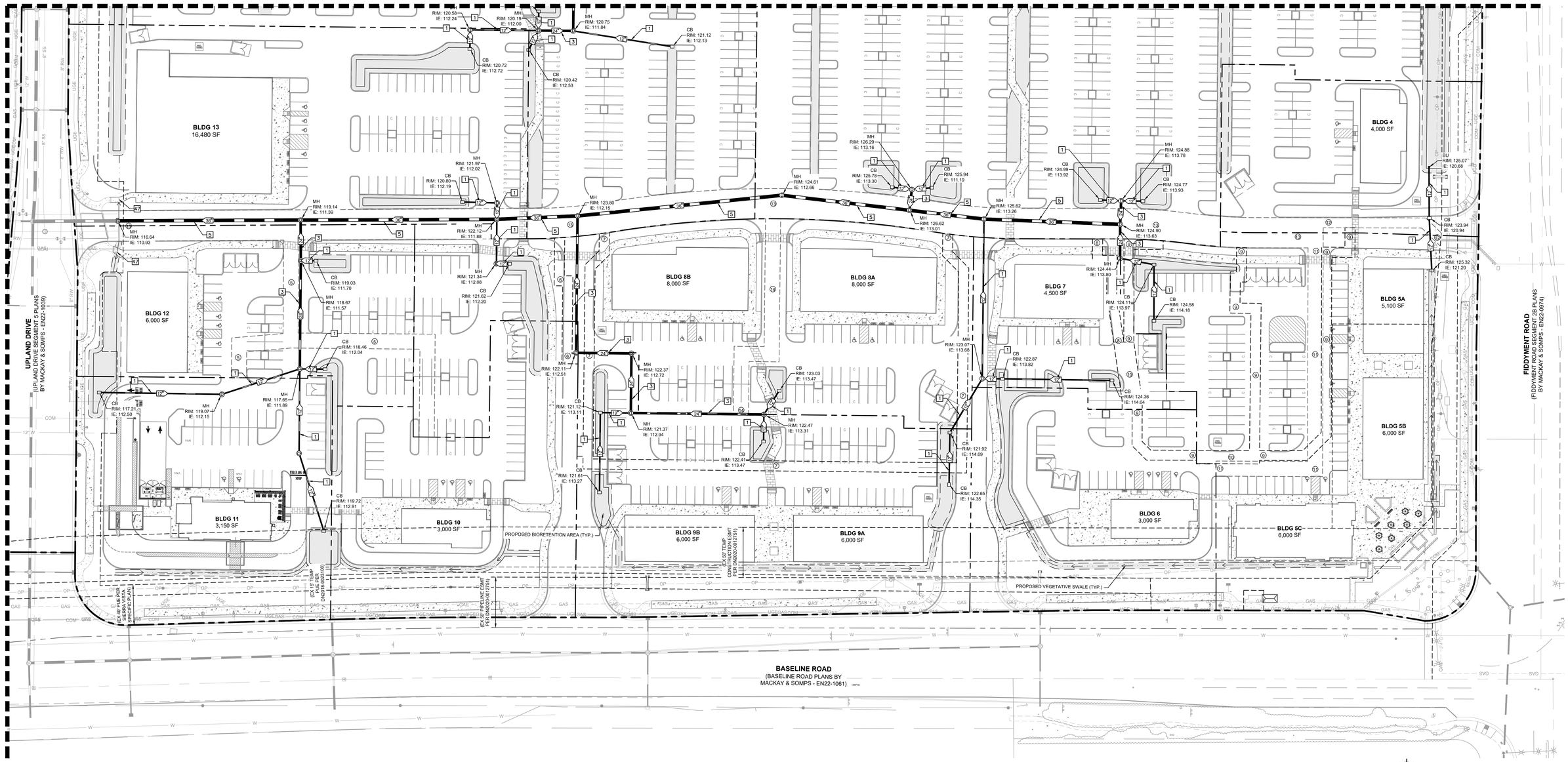
BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

STORM DRAINAGE PLAN (SHEET 2 OF 4)

SHEET NUMBER
C2.2

MATCHLINE - SEE SHEET 4 OF 4

MATCHLINE - SEE SHEET 2 OF 4



LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- XXX PROPOSED MAJOR CONTOUR
- XXX PROPOSED MINOR CONTOUR
- XXX EXISTING MAJOR CONTOUR
- XXX EXISTING MINOR CONTOUR
- HP HIGH POINT
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- PROPOSED BUBBLE UP
- PROPOSED BIORETENTION
- PROPOSED VEGETATIVE SWALE

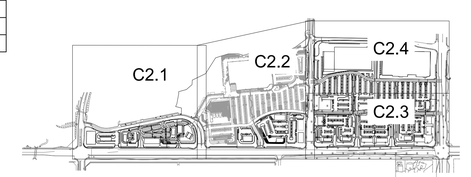
STORMWATER NOTES

1. INSTALL 12" HDPE STORM DRAIN PIPE.
3. INSTALL 24" HDPE STORM DRAIN PIPE.
5. INSTALL 36" HDPE STORM DRAIN PIPE.
47. INSTALL CONCRETE SCUPPER

EASEMENT TABLE	
EASEMENT NO.	DESCRIPTION
5	15' PUBLIC SEWER EASEMENT
6	10' PRIVATE RECYCLED WATER EASEMENT
7	10' PRIVATE WATER EASEMENT
8	10' PRIVATE RECYCLED WATER EASEMENT
9	10' PRIVATE WATER EASEMENT
10	VARIABLE WIDTH COMBINED PRIVATE WATER & RECYCLED WATER EASEMENT
11	15' PUBLIC SEWER EASEMENT
12	15' PUBLIC WATER EASEMENT
13	30' PUBLIC UTILITY EASEMENT
14	15' PUBLIC SEWER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



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BASELINE
MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

STORM
DRAINAGE PLAN
(SHEET 3 OF 4)

SHEET NUMBER
C2.3

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MATCHLINE - SEE SHEET 4 OF 6

SAN FERNANDO DRIVE
(SAN FERNANDO DRIVE PLANS BY MACKAY & SOMPS - EN22-0998)

UPLAND DRIVE
(UPLAND DRIVE SEGMENT 5 PLANS BY MACKAY & SOMPS - EN22-1099)

FIDDYMENT ROAD
(FIDDYMENT ROAD SEGMENT 2B PLANS BY MACKAY & SOMPS - EN22-0974)

BLDG 2
107,546 SF

BLDG 3
148,000 SF

MH RIM: 115.72 IE: 107.19
MH RIM: 116.58 IE: 109.34
CB RIM: 117.20 IE: 109.75
CB RIM: 117.28 IE: 110.17
MH RIM: 117.49 IE: 107.77
CB RIM: 118.01 IE: 110.08
BU RIM: 118.50 IE: 114.20
CB RIM: 119.24 IE: 114.62
BU RIM: 116.53 IE: 112.25
CB RIM: 116.21 IE: 112.30
CB RIM: 116.53 IE: 112.47
MH RIM: 118.57 IE: 109.70
CB RIM: 116.96 IE: 110.01
MH RIM: 120.64 IE: 110.75
CB RIM: 122.43 IE: 112.55
MH RIM: 122.70 IE: 112.34
CB RIM: 122.04 IE: 112.51
MH RIM: 116.78
CB RIM: 117.72 IE: 111.27
MH RIM: 117.58 IE: 110.94
CB RIM: 116.17 IE: 111.32
MH RIM: 117.09 IE: 111.13
CB RIM: 117.04 IE: 112.43
MH RIM: 119.04 IE: 111.27
MH RIM: 118.49 IE: 111.44
PROPOSED BIORETENTION AREA (TYP.)
CB RIM: 118.69 IE: 111.23
MH RIM: 119.79 IE: 110.91
CB RIM: 118.45 IE: 111.08
CB RIM: 119.89 IE: 112.48
MH RIM: 120.58 IE: 112.24
MH RIM: 120.19 IE: 112.00
MH RIM: 120.75 IE: 111.84
CB RIM: 121.12 IE: 112.13
MH RIM: 121.11 IE: 111.25
MH RIM: 119.73 IE: 111.67
CB RIM: 119.43 IE: 111.84
MH RIM: 121.77 IE: 111.83
CB RIM: 119.92 IE: 112.01
PROPOSED BIORETENTION AREA (TYP.)

MATCHLINE - SEE SHEET 3 OF 4

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- HIGH POINT
- LOW POINT
- GRADE BREAK
- 100-YR WSEL
- PROPOSED CURB
- PROPOSED CURB AND GUTTER
- CURB BY OTHERS
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- PROPOSED STORM OUTFALL
- PROPOSED ROOF DRAIN CONN.
- PROPOSED BUBBLE UP
- PROPOSED BIORETENTION
- PROPOSED VEGETATIVE SWALE

STORMWATER NOTES

1. INSTALL 12" HDPE STORM DRAIN PIPE.
2. INSTALL 18" HDPE STORM DRAIN PIPE.
3. INSTALL 24" HDPE STORM DRAIN PIPE.
5. INSTALL 36" HDPE STORM DRAIN PIPE.
4.7 INSTALL CONCRETE SCUPPER

EASEMENT TABLE	
EASEMENT NO.	DESCRIPTION
15	10' PRIVATE RECYCLED WATER EASEMENT
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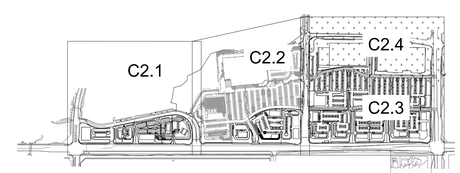
17	VARIABLE WIDTH PUBLIC WATER EASEMENT
18	10' PRIVATE WATER EASEMENT
19	10' PUBLIC WATER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



NORTH

KEY MAP
N.T.S.

No.	REVISIONS	DATE	BY

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BASELINE
MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

STORM
DRAINAGE PLAN
(SHEET 4 OF 4)

SHEET NUMBER
C2.4

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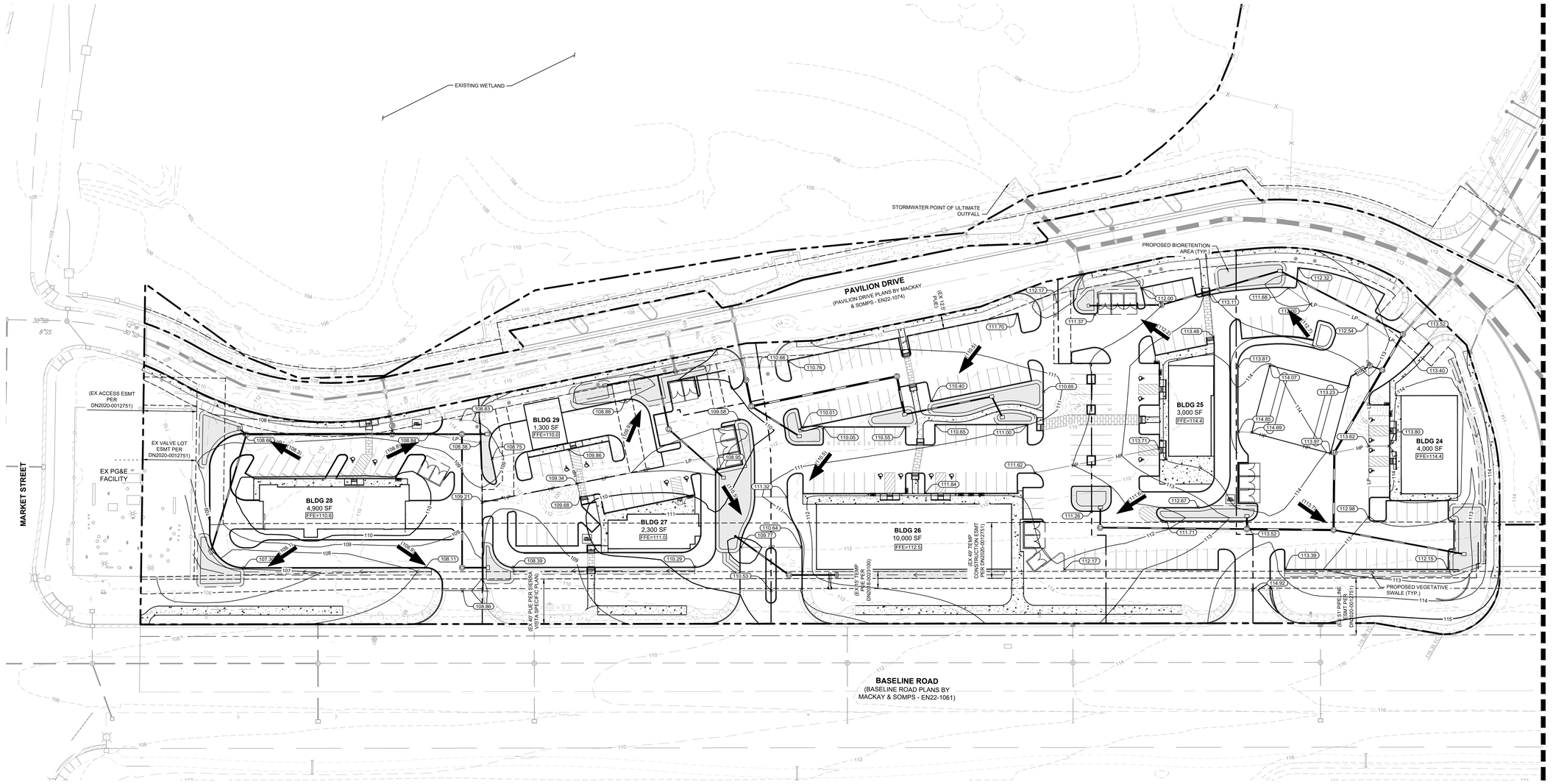

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- XXX PROPOSED MAJOR CONTOUR
- XXX PROPOSED MINOR CONTOUR
- XXX EXISTING MAJOR CONTOUR
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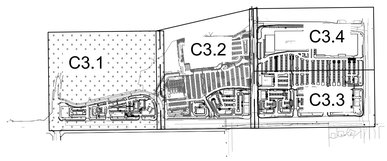
- PROPOSED ROOF DRAIN CONN.
- PROPOSED BUBBLE UP
- PROPOSED BIORETENTION
- PROPOSED VEGETATIVE SWALE
- PROPOSED SLOPE DIRECTION
- 107.40 PROPOSED ELEVATION
- 111.79 PROPOSED ELEVATION

GENERAL NOTES

1. ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE.
2. THE PROPOSED UTILITIES AND INFRASTRUCTURE SHOWN ARE CONCEPTUAL ONLY AND ARE SUBJECT TO REVISION.
3. UTILITIES MAY BE PHASED DEPENDING UPON THE DEVELOPMENT SEQUENCE OF THE PROJECT, SUBJECT TO THE REVIEW OF THE CITY OF ROSEVILLE.
4. THE EXISTING GROUND CONTOURS SHOWN ON THIS EXHIBIT REPRESENT THE EXISTING GRADE CONDITION AND ARE FOR PLANNING LEVEL STUDIES ONLY.
5. THE CONCEPTUAL GRADING PLAN IS BASED ON A CONCEPTUAL SITE PLAN AND IS SUBJECT TO CHANGE.
6. FINAL SITE DESIGN MAY ALTER THE GRADING AND EARTHWORK DESIGN SHOWN HEREON.



KEY MAP
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BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

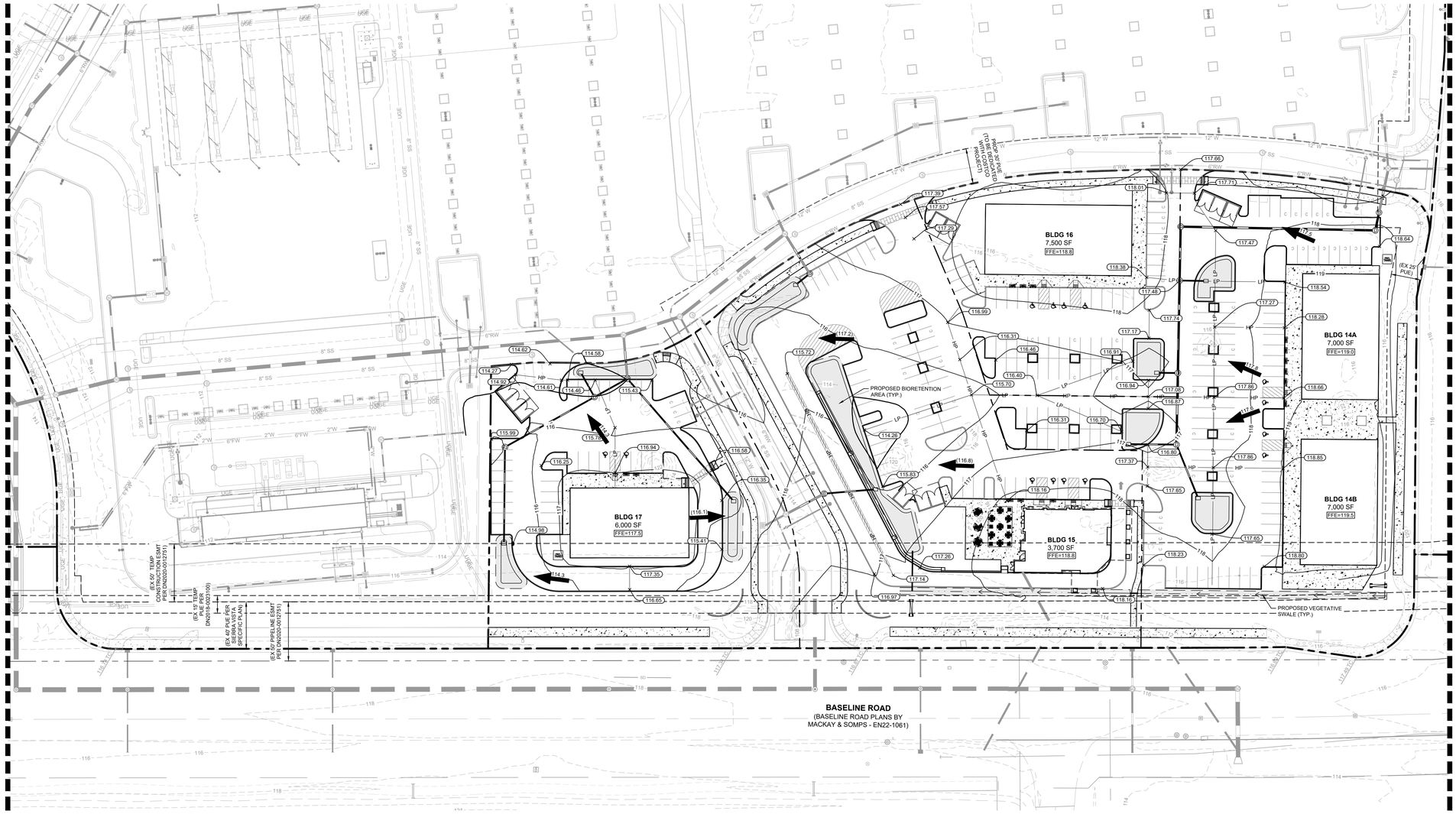
PLACER COUNTY ROSEVILLE, CA

GRADING PLAN (SHEET 1 OF 4)

SHEET NUMBER
C3.1

MATCHLINE - SEE SHEET 1 OF 4

MATCHLINE - SEE SHEET 3 OF 4



NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- XXX PROPOSED MAJOR CONTOUR
- XXX PROPOSED MINOR CONTOUR
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- PROPOSED SLOPE DIRECTION
- 107.40 PROPOSED ELEVATION
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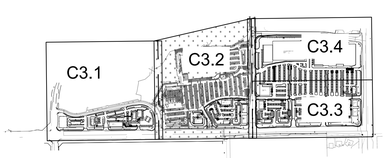

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BASELINE MARKETPLACE
PREPARED FOR
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PLACER COUNTY ROSEVILLE, CA

GRADING PLAN
(SHEET 2 OF 4)

SHEET NUMBER
C3.2

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MATCHLINE - SEE SHEET 4 OF 4

MATCHLINE - SEE SHEET 2 OF 4

UPLAND DRIVE
(UPLAND DRIVE SEGMENT 5 PLANS BY MACKAY & SOMPS - EN22-1039)

FIDDYMENT ROAD
(FIDDYMENT ROAD SEGMENT 2B PLANS BY MACKAY & SOMPS - EN22-0974)

BASELINE ROAD
(BASELINE ROAD PLANS BY MACKAY & SOMPS - EN22-1061)

BLDG 13
16,480 SF
FFE=121.0

BLDG 12
6,000 SF
FFE=120.3

BLDG 11
3,150 SF
FFE=120.8

BLDG 10
3,000 SF
FFE=122.2

BLDG 8B
8,000 SF
FFE=124.5

BLDG 8A
8,000 SF
FFE=125.2

BLDG 7
4,500 SF
FFE=124.4

BLDG 4
4,000 SF
FFE=125.9

BLDG 5A
5,100 SF
FFE=125.5

BLDG 5B
6,000 SF
FFE=127.6

BLDG 6
3,000 SF
FFE=125.9

BLDG 5C
6,000 SF
FFE=127.4

BLDG 9B
6,000 SF
FFE=122.8

BLDG 9A
6,000 SF
FFE=123.3

PROPOSED BIORETENTION AREA (TYP.)

PROPOSED VEGETATIVE SWALE (TYP.)

(EX. 40' PUE PER SIERRA VISTA UNIT NO. 1)

(EX. 10' TEMP PUE PER DOC-0000-0000)

(EX. 50' TEMP CONSTRUCTION ESMT PER DOC-0000-0000)

(EX. 50' TEMP CONSTRUCTION ESMT PER DOC-0000-0000)

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- XXX — PROPOSED MAJOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — EXISTING MAJOR CONTOUR
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- PROPOSED BIORETENTION
- PROPOSED VEGETATIVE SWALE
- PROPOSED SLOPE DIRECTION
- 107.40 — PROPOSED ELEVATION
- 111.79 — PROPOSED ELEVATION

GENERAL NOTES

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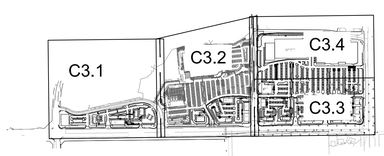
2. THE PROPOSED UTILITIES AND INFRASTRUCTURE SHOWN ARE CONCEPTUAL ONLY AND ARE SUBJECT TO REVISION.
3. UTILITIES MAY BE PHASED DEPENDING UPON THE DEVELOPMENT SEQUENCE OF THE PROJECT, SUBJECT TO THE REVIEW OF THE CITY OF ROSEVILLE.
4. THE EXISTING GROUND CONTOURS SHOWN ON THIS EXHIBIT REPRESENT THE EXISTING GRADE CONDITION AND ARE FOR PLANNING LEVEL STUDIES ONLY.
5. THE CONCEPTUAL GRADING PLAN IS BASED ON A CONCEPTUAL SITE PLAN AND IS SUBJECT TO CHANGE.
6. FINAL SITE DESIGN MAY ALTER THE GRADING AND EARTHWORK DESIGN SHOWN HEREON.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



NORTH

KEY MAP
N.T.S

No.	REVISIONS	DATE	BY

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BASELINE
MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

GRADING PLAN
(SHEET 3 OF 4)

SHEET NUMBER
C3.3

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MATCHLINE - SEE SHEET 4 OF 6

SAN FERNANDO DRIVE
(SAN FERNANDO DRIVE PLANS BY MACKAY & SOMPS - EN22-0998)

UPLAND DRIVE
(UPLAND DRIVE SEGMENT 5 PLANS BY MACKAY & SOMPS - EN22-1089)

FIDDYMENT ROAD
(FIDDYMENT ROAD SEGMENT 2B PLANS BY MACKAY & SOMPS - EN22-0974)

BLDG 2
107,546 SF
FFE=119.3

BLDG 3
148,000 SF
FFE=122.3

PROPOSED BIORETENTION AREA (TYP.)

MATCHLINE - SEE SHEET 3 OF 4

LEGEND

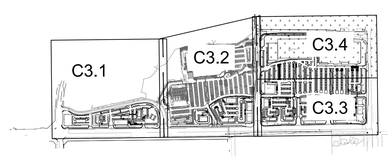
- PROJECT BOUNDARY
- EXISTING LOT LINES
- EASEMENTS AND SETBACKS
- CENTERLINE
- XXX — PROPOSED MAJOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- HP HP — HIGH POINT
- LP LP — LOW POINT
- GB GB — GRADE BREAK
- 100-YR WSEL
- PROPOSED CURB
- PROPOSED CURB AND GUTTER
- CURB BY OTHERS
- PROPOSED RETAINING WALL
- PROPOSED STORM DRAIN
- PROPOSED LIGHT POLE
- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- PROPOSED STORM OUTFALL
- PROPOSED ROOF DRAIN CONN.
- PROPOSED BUBBLE UP
- PROPOSED BIORETENTION
- PROPOSED VEGETATIVE SWALE
- PROPOSED SLOPE DIRECTION
- 107.40 — PROPOSED ELEVATION
- 111.79 — PROPOSED ELEVATION

GENERAL NOTES

1. ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE.
2. THE PROPOSED UTILITIES AND INFRASTRUCTURE SHOWN ARE CONCEPTUAL ONLY AND ARE SUBJECT TO REVISION.
3. UTILITIES MAY BE PHASED DEPENDING UPON THE DEVELOPMENT SEQUENCE OF THE PROJECT, SUBJECT TO THE REVIEW OF THE CITY OF ROSEVILLE.
4. THE EXISTING GROUND CONTOURS SHOWN ON THIS EXHIBIT REPRESENT THE EXISTING GRADE CONDITION AND ARE FOR PLANNING LEVEL STUDIES ONLY.
5. THE CONCEPTUAL GRADING PLAN IS BASED ON A CONCEPTUAL SITE PLAN AND IS SUBJECT TO CHANGE.
6. FINAL SITE DESIGN MAY ALTER THE GRADING AND EARTHWORK DESIGN SHOWN HEREON.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



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PLACER COUNTY — ROSEVILLE, CA

GRADING PLAN
(SHEET 4 OF 4)

SHEET NUMBER
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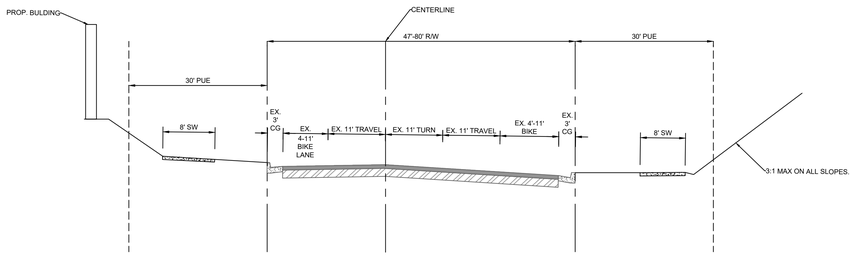
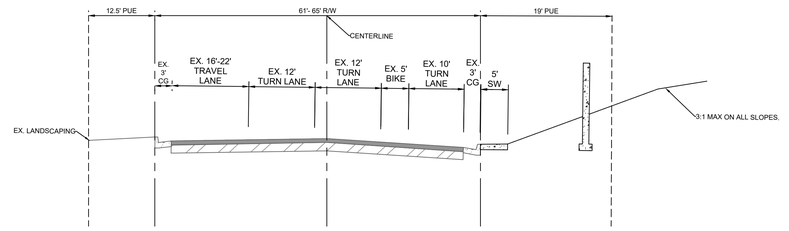


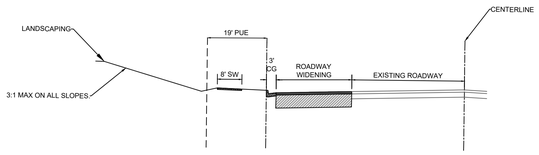
UPLAND DRIVE - TYPICAL SECTION

NTS



SAN FERNANDO DRIVE - TYPICAL SECTION

NTS

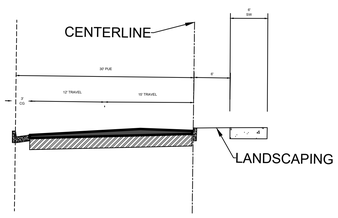


FIDDYMENT ROAD HALF RIGHT OF WAY - TYPICAL SECTION

NTS

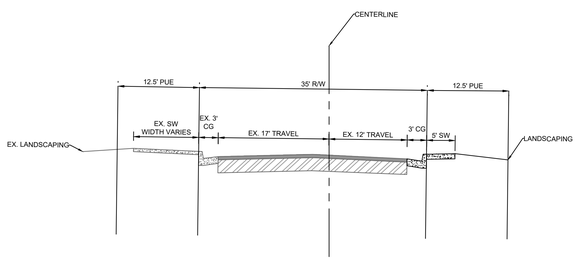
BASELINE - TYPICAL SECTION

NTS



COSTCO CONNECTING ROAD - TYPICAL SECTION

NTS



PAVILION DRIVE - TYPICAL SECTION

NTS

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BASELINE
MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

GRADING SECTIONS

SHEET NUMBER
C3.5

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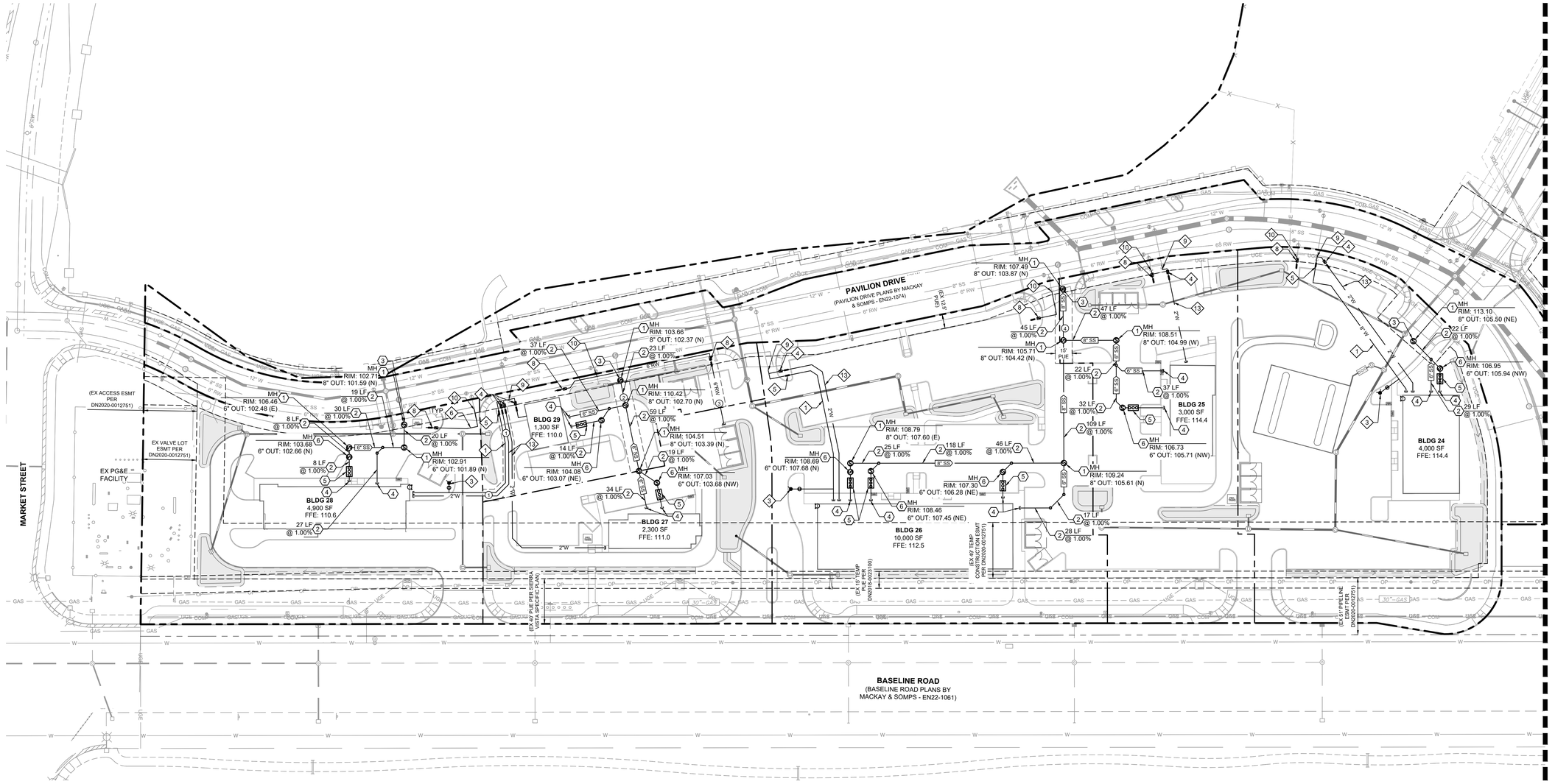


LEGEND

PROJECT BOUNDARY	PROPOSED BIORETENTION
PROPOSED PROPERTY LINE	PROPOSED LIGHT POLE
EASEMENTS AND SETBACKS	PROPOSED STORM MANHOLE
CENTERLINE	PROPOSED CATCH BASIN
PROPOSED MAJOR CONTOUR	PROPOSED STORM INLET
PROPOSED FENCE	PROPOSED STORM OUTFALL
PROPOSED CURB	POINT OF CONNECTION
CURB BY OTHERS	PROPOSED FIRE HYDRANT
PROPOSED CURB AND GUTTER	PROPOSED SEWER MANHOLE
PROPOSED STORM DRAIN	PROPOSED SEWER CLEANOUT
EXISTING STORM DRAIN	PROPOSED GREASE INTERCEPTOR
PROPOSED JOINT TRENCHING	PROPOSED GATE VALVE
EXISTING JOINT TRENCHING	PROPOSED WATER METER
PROPOSED TELCOM	PROPOSED BACKFLOW PREVENTER
EXISTING TELCOM	PROPOSED FIRE DEPARTMENT CONNECTION
PROPOSED GAS LINE	
EXISTING GAS LINE	
PROPOSED WATER LINE	
EXISTING WATER LINE	
PROPOSED SEWER LINE	
EXISTING SEWER LINE	
PROPOSED UG POWER LINE	
EXISTING UG POWER LINE	
PROPOSED RECLAIMED WATER LINE	
EXISTING RECLAIMED WATER LINE	

SEWER NOTES

1. INSTALL SANITARY SEWER MANHOLE. SEE PLAN FOR RIM AND INV.
2. INSTALL VCP SANITARY SEWER PIPE. SEE PLAN FOR SIZE, LENGTH AND SLOPE.
3. CONNECT TO EXISTING SANITARY SEWER STUB.
4. CONNECT TO BUILDING POINT OF CONNECTION.
5. INSTALL GREASE INTERCEPTOR.

WATER NOTES

1. INSTALL 8" DI PRIVATE WATER.
3. INSTALL FIRE HYDRANT ASSEMBLY AND ASSOCIATED LATERAL.
4. INSTALL COMMERICAL BACKFLOW AND WATER METER FOR BUILDING SERVICE.
5. INSTALL ONSITE FIRE PROTECTION WITH DDC FOR BUILDING SERVICE.
6. INSTALL 6" DI PRIVATE RECLAIMED WATER MAIN.
8. INSTALL RECLAIMED WATER BACKFLOW AND METER FOR IRRIGATION SERVICE.
9. CONNECT TO EXISTING WATER STUB.
10. CONNECT TO EXISTING RECLAIMED WATER STUB.
13. INSTALL 2" PRIVATE DOMESTIC WATER LINE.

EASEMENT TABLE

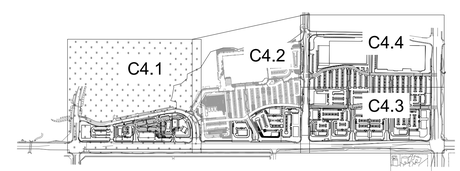
EASEMENT NO.	DESCRIPTION
1	10' PRIVATE WATER EASEMENT
2	15' PUBLIC SEWER EASEMENT
3	10' PRIVATE RECYCLED WATER EASEMENT
4	15' PUBLIC SEWER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

GENERAL UTILITY NOTES

1) THE PROPOSED UTILITIES AND INFRASTRUCTURE SHOWN ARE CONCEPTUAL ONLY AND ARE SUBJECT TO CHANGE AS PART OF FINAL DESIGN.
2) UTILITIES MAY BE PHASED DEPENDING UPON THE DEVELOPMENT SEQUENCE OF THE PROJECT, SUBJECT TO THE REVIEW OF THE CITY OF ROSEVILLE.
3) THE PROPOSED DOMESTIC WATER, RECLAIMED WATER AND SANITARY SEWER LOCATION AND SIZES ARE SUBJECT TO CHANGE DURING FINAL DESIGN.



NORTH

KEY MAP
N.T.S.

No.	REVISIONS	DATE	BY

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BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY — ROSEVILLE, CA

UTILITY PLAN (SHEET 1 OF 4)

SHEET NUMBER
C4.1

MATCHLINE - SEE SHEET 1 OF 4

MATCHLINE - SEE SHEET 3 OF 4

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BASELINE ROAD
(BASELINE ROAD PLANS BY
MACKAY & SOMPS - EN22-1061)

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND

PROJECT BOUNDARY	PROPOSED BIORETENTION
PROPOSED PROPERTY LINE	PROPOSED LIGHT POLE
EASEMENTS AND SETBACKS	PROPOSED STORM MANHOLE
CENTERLINE	PROPOSED CATCH BASIN
PROPOSED MAJOR CONTOUR	PROPOSED STORM INLET
PROPOSED FENCE	PROPOSED STORM OUTFALL
PROPOSED CURB	POINT OF CONNECTION
CURB BY OTHERS	PROPOSED FIRE HYDRANT
PROPOSED CURB AND GUTTER	PROPOSED SEWER MANHOLE
PROPOSED STORM DRAIN	PROPOSED SEWER CLEANOUT
EXISTING STORM DRAIN	PROPOSED GREASE INTERCEPTOR
PROPOSED JOINT TRENCHING	PROPOSED GATE VALVE
EXISTING JOINT TRENCHING	PROPOSED WATER METER
PROPOSED TELCOM	PROPOSED BACKFLOW PREVENTER
EXISTING TELCOM	PROPOSED FIRE DEPARTMENT CONNECTION
PROPOSED GAS LINE	
EXISTING GAS LINE	
PROPOSED WATER LINE	
EXISTING WATER LINE	
PROPOSED SEWER LINE	
EXISTING SEWER LINE	
PROPOSED UG POWER LINE	
EXISTING UG POWER LINE	
PROPOSED RECLAIMED WATER LINE	
EXISTING RECLAIMED WATER LINE	

SEWER NOTES

1. INSTALL SANITARY SEWER MANHOLE. SEE PLAN FOR RIM AND INV.
2. INSTALL VCP SANITARY SEWER PIPE. SEE PLAN FOR SIZE, LENGTH AND SLOPE.
3. CONNECT TO EXISTING SANITARY SEWER STUB.
4. CONNECT TO BUILDING POINT OF CONNECTION.
5. INSTALL GREASE INTERCEPTOR.

WATER NOTES

3. INSTALL FIRE HYDRANT ASSEMBLY AND ASSOCIATED LATERAL.
4. INSTALL COMMERICAL BACKFLOW AND WATER METER FOR BUILDING SERVICE.
5. INSTALL ONSITE FIRE PROTECTION WITH DDC FOR BUILDING SERVICE.
6. INSTALL 6" DI PRIVATE RECLAIMED WATER MAIN.
8. INSTALL RECLAIMED WATER BACKFLOW AND METER FOR IRRIGATION SERVICE.
9. CONNECT TO EXISTING WATER STUB.
10. CONNECT TO EXISTING RECLAIMED WATER STUB.
13. INSTALL 2" PRIVATE DOMESTIC WATER LINE.

GENERAL UTILITY NOTES

1) THE PROPOSED UTILITIES AND INFRASTRUCTURE SHOWN ARE CONCEPTUAL ONLY AND ARE SUBJECT TO CHANGE AS PART OF FINAL DESIGN.
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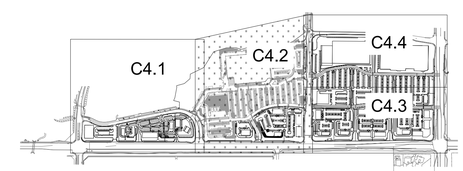

NORTH

KEY MAP
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BASELINE
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COVENANT REAL ESTATE GROUP

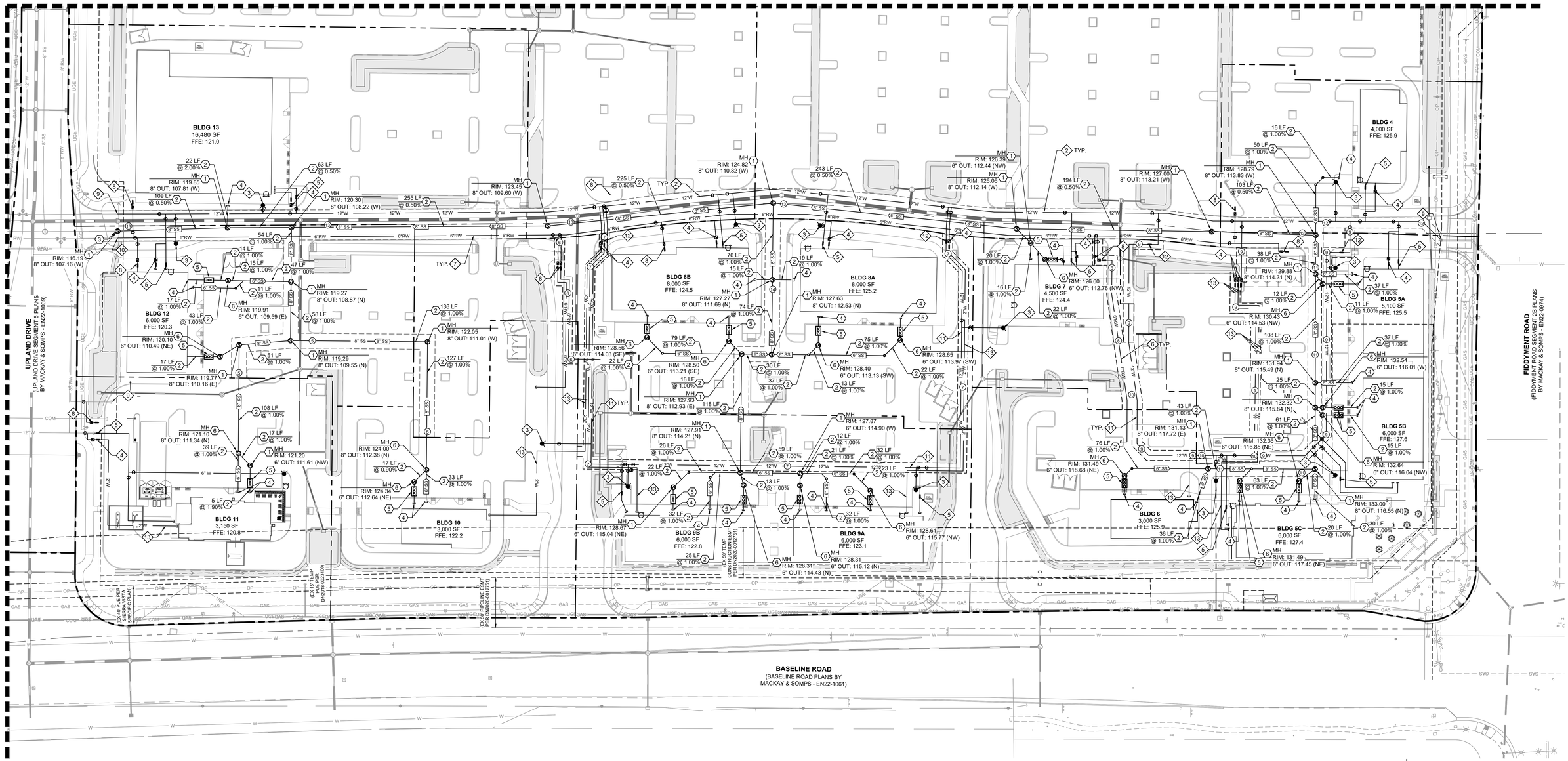
PLACER COUNTY ROSEVILLE, CA

UTILITY PLAN
(SHEET 2 OF 4)

SHEET NUMBER
C4.2

MATCHLINE - SEE SHEET 4 OF 4

MATCHLINE - SEE SHEET 2 OF 4



LEGEND

- PROJECT BOUNDARY
- PROPOSED PROPERTY LINE
- EASEMENTS AND SETBACKS
- CENTERLINE
- PROPOSED MAJOR CONTOUR
- PROPOSED FENCE
- PROPOSED CURB
- CURB BY OTHERS
- PROPOSED CURB AND GUTTER
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- PROPOSED JOINT TRENCHING
- EXISTING JOINT TRENCHING
- PROPOSED TELCOM
- EXISTING TELCOM
- PROPOSED GAS LINE
- EXISTING GAS LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED SEWER LINE
- EXISTING SEWER LINE
- PROPOSED UG POWER LINE
- EXISTING UG POWER LINE
- PROPOSED RECLAIMED WATER LINE
- EXISTING RECLAIMED WATER LINE
- PROPOSED BIORETENTION
- PROPOSED LIGHT POLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED STORM INLET
- PROPOSED STORM OUTFALL
- POINT OF CONNECTION
- PROPOSED FIRE HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER CLEANOUT
- PROPOSED GREASE INTERCEPTOR
- PROPOSED GATE VALVE
- PROPOSED WATER METER
- PROPOSED BACKFLOW PREVENTER
- PROPOSED FIRE DEPARTMENT CONNECTION

SEWER NOTES

1. INSTALL SANITARY SEWER MANHOLE. SEE PLAN FOR RIM AND INV.
2. INSTALL VCP SANITARY SEWER PIPE. SEE PLAN FOR SIZE, LENGTH AND SLOPE.
3. CONNECT TO EXISTING SANITARY SEWER STUB.
4. CONNECT TO BUILDING POINT OF CONNECTION.
5. INSTALL GREASE INTERCEPTOR.
6. INSTALL 24" SAMPLING SANITARY SEWER MANHOLE. SEE PLAN FOR RIM AND INV.

WATER NOTES

2. INSTALL 12" DI PUBLIC WATER MAIN.
3. INSTALL FIRE HYDRANT ASSEMBLY AND ASSOCIATED LATERAL.
4. INSTALL COMMERICAL BACKFLOW AND WATER METER FOR BUILDING SERVICE.
5. INSTALL ONSITE FIRE PROTECTION WITH DDC FOR BUILDING SERVICE.
6. INSTALL 6" DI PRIVATE RECLAIMED WATER MAIN.
7. INSTALL 6" DI PUBLIC RECLAIMED WATER MAIN.
8. INSTALL RECLAIMED WATER BACKFLOW AND METER FOR IRRIGATION SERVICE.
9. CONNECT TO EXISTING WATER STUB.
10. CONNECT TO EXISTING RECLAIMED WATER STUB.
11. INSTALL 12" DI PRIVATE WATER.
12. INSTALL ONSITE FIRE PROTECTION WITH DDC FOR PRIVATE FIRE LOOP.
13. INSTALL 2" PRIVATE DOMESTIC WATER LINE.

EASEMENT TABLE

EASEMENT NO.	DESCRIPTION
5	15' PUBLIC SEWER EASEMENT
6	10' PRIVATE RECYCLED WATER EASEMENT
7	10' PRIVATE WATER EASEMENT
8	10' PRIVATE RECYCLED WATER EASEMENT
9	10' PRIVATE WATER EASEMENT
10	VARIABLE WIDTH COMBINED PRIVATE WATER & RECYCLED WATER EASEMENT
11	15' PUBLIC SEWER EASEMENT
12	15' PUBLIC WATER EASEMENT
13	30' PUBLIC UTILITY EASEMENT
14	15' PUBLIC SEWER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

GENERAL UTILITY NOTES

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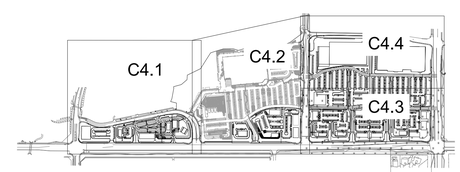

NORTH

KEY MAP
N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

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BASELINE
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PLACER COUNTY ROSEVILLE, CA

UTILITY PLAN
(SHEET 3 OF 4)

SHEET NUMBER
C4.3

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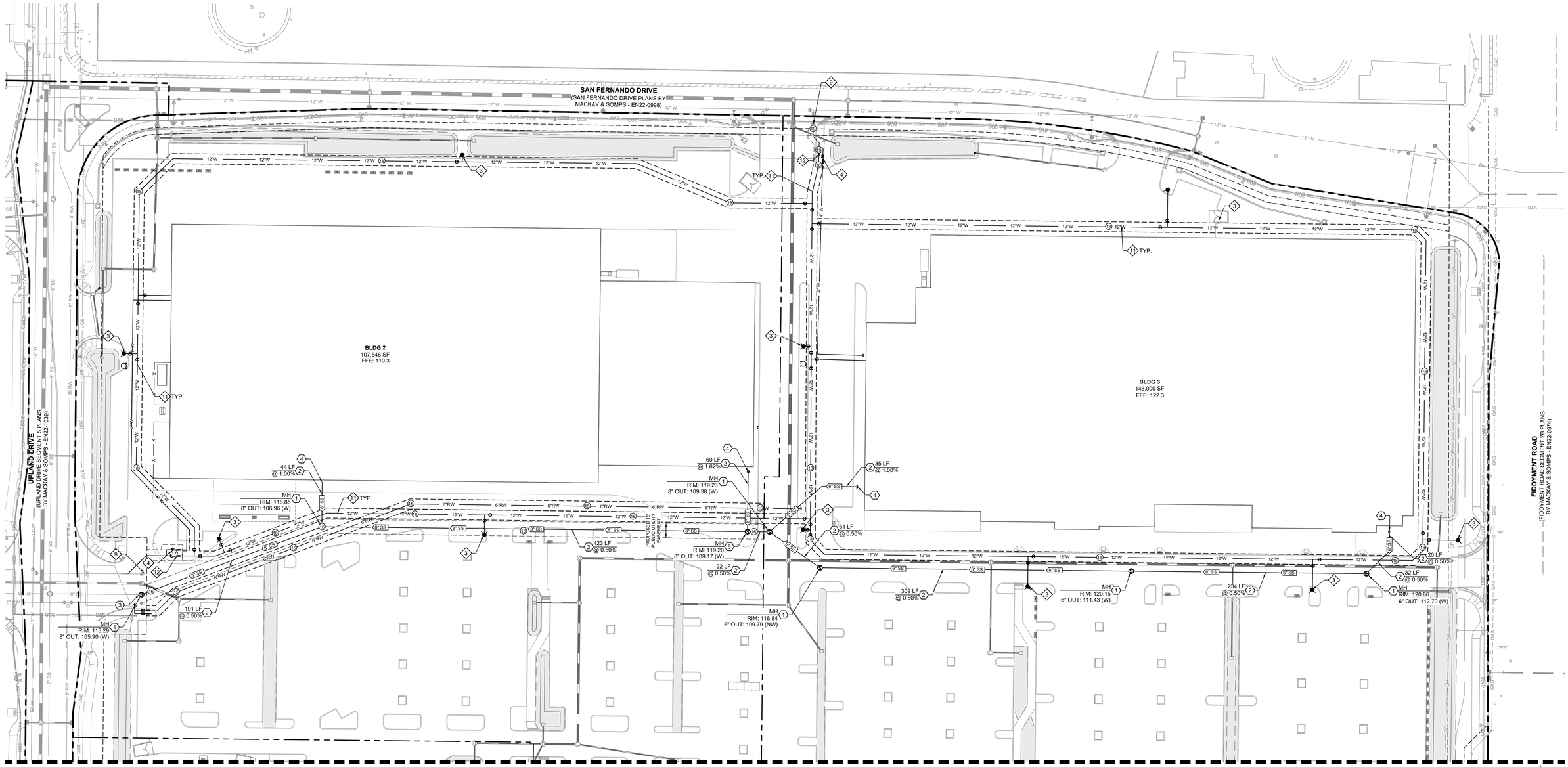
MATCHLINE - SEE SHEET 4 OF 6



MATCHLINE - SEE SHEET 3 OF 4

LEGEND

PROJECT BOUNDARY	PROPOSED BIORETENTION
PROPOSED PROPERTY LINE	PROPOSED LIGHT POLE
EASEMENTS AND SETBACKS	PROPOSED STORM MANHOLE
CENTERLINE	PROPOSED CATCH BASIN
PROPOSED MAJOR CONTOUR	PROPOSED STORM INLET
PROPOSED FENCE	PROPOSED STORM OUTFALL
PROPOSED CURB	POINT OF CONNECTION
CURB BY OTHERS	PROPOSED FIRE HYDRANT
PROPOSED CURB AND GUTTER	PROPOSED SEWER MANHOLE
PROPOSED STORM DRAIN	PROPOSED SEWER CLEANOUT
EXISTING STORM DRAIN	PROPOSED GREASE INTERCEPTOR
PROPOSED JOINT TRENCHING	PROPOSED GATE VALVE
EXISTING JOINT TRENCHING	PROPOSED WATER METER
PROPOSED TELCOM	PROPOSED BACKFLOW PREVENTER
EXISTING TELCOM	PROPOSED FIRE DEPARTMENT CONNECTION
PROPOSED GAS LINE	
EXISTING GAS LINE	
PROPOSED WATER LINE	
EXISTING WATER LINE	
PROPOSED SEWER LINE	
EXISTING SEWER LINE	
PROPOSED UG POWER LINE	
EXISTING UG POWER LINE	
PROPOSED RECLAIMED WATER LINE	
EXISTING RECLAIMED WATER LINE	

SEWER NOTES

(2) INSTALL VCP SANITARY SEWER PIPE. SEE PLAN FOR SIZE, LENGTH AND SLOPE.

(3) CONNECT TO EXISTING SANITARY SEWER STUB.

(4) CONNECT TO BUILDING POINT OF CONNECTION.

WATER NOTES

(2) INSTALL 12" DI PUBLIC WATER MAIN.

(3) INSTALL FIRE HYDRANT ASSEMBLY AND ASSOCIATED LATERAL.

(4) INSTALL DOMESTIC WATER DCVA AND WATER METER FOR BUILDING SERVICE.

(5) INSTALL FIRE WATER DCVA FOR BUILDING SERVICE.

(9) CONNECT TO EXISTING WATER STUB.

(11) INSTALL 12" DI PRIVATE WATER MAIN.

EASEMENT TABLE

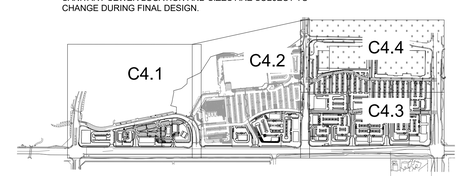
EASEMENT NO.	DESCRIPTION
15	10' PRIVATE RECYCLED WATER EASEMENT
16	15' PUBLIC SEWER EASEMENT
17	VARIABLE WIDTH PUBLIC WATER EASEMENT
18	10' PRIVATE WATER EASEMENT
19	10' PUBLIC WATER EASEMENT

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

GENERAL UTILITY NOTES

1) THE PROPOSED UTILITIES AND INFRASTRUCTURE SHOWN ARE CONCEPTUAL ONLY AND ARE SUBJECT TO CHANGE AS PART OF FINAL DESIGN.
2) UTILITIES MAY BE PHASED DEPENDING UPON THE DEVELOPMENT SEQUENCE OF THE PROJECT, SUBJECT TO THE REVIEW OF THE CITY OF ROSEVILLE.
3) THE PROPOSED DOMESTIC WATER, RECLAIMED WATER AND SANITARY SEWER LOCATION AND SIZES ARE SUBJECT TO CHANGE DURING FINAL DESIGN.



NORTH

KEY MAP
N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

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1201 3RD AVE SUITE 2800, SEATTLE, WA 98101
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WWW.KIMLEY-HORN.COM

BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

UTILITY PLAN (SHEET 4 OF 4)

SHEET NUMBER
C4.4

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MATCHLINE - SEE SHEET 2 OF 4

PAVILION DRIVE
(PAVILION DRIVE PLANS BY MACKAY & SOMPS - EN22-107A)

BASELINE ROAD
(BASELINE ROAD PLANS BY MACKAY & SOMPS - EN22-1061)

MARKET STREET

BLDG 24 4,000 SF
BLDG 25 3,000 SF
BLDG 26 10,000 SF
BLDG 27 2,300 SF
BLDG 28 4,900 SF
BLDG 29 1,300 SF

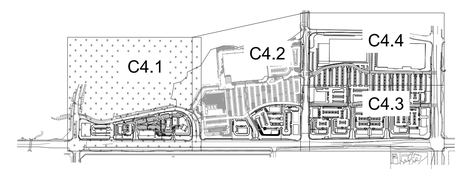
(EX ACCESS ESMT PER DN2020-0012751)
EX VALVE LOT ESMT PER DN2020-0012751)
EX PG&E FACILITY
(EX 49' TEMP CONSTRUCTION ESMT PER DN2020-0012751)
(EX 15' TEMP PUE PER DN2020-0012751)
(EX 51 PIPELINE ESMT PER DN2020-0012751)
(E) 48" PVE RPR SIGNAL VISTA SPECIFIC PLAN)
30"-GAS

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- CENTERLINE
- PROPOSED CURB
- CURB BY OTHERS
- PROPOSED CURB AND GUTTER
- FIRE HYDRANT SPACING
- FIRE LANE CURB MARKING
- PROPOSED WATER LINE
- FIRE ACCESS LANE WITH HEAVY DUTY PAVEMENT
- SOLID WASTE ROUTE
- PROPOSED FIRE HYDRANT
- FIRE LANE SIGNAGE
- FIRE DEPARTMENT CONNECTION
- FIRE TRUCK ACCESS LANE (R50', R30')
- SOLID WASTE ROUTE (R45', R25')



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KEY MAP
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BASELINE MARKETPLACE
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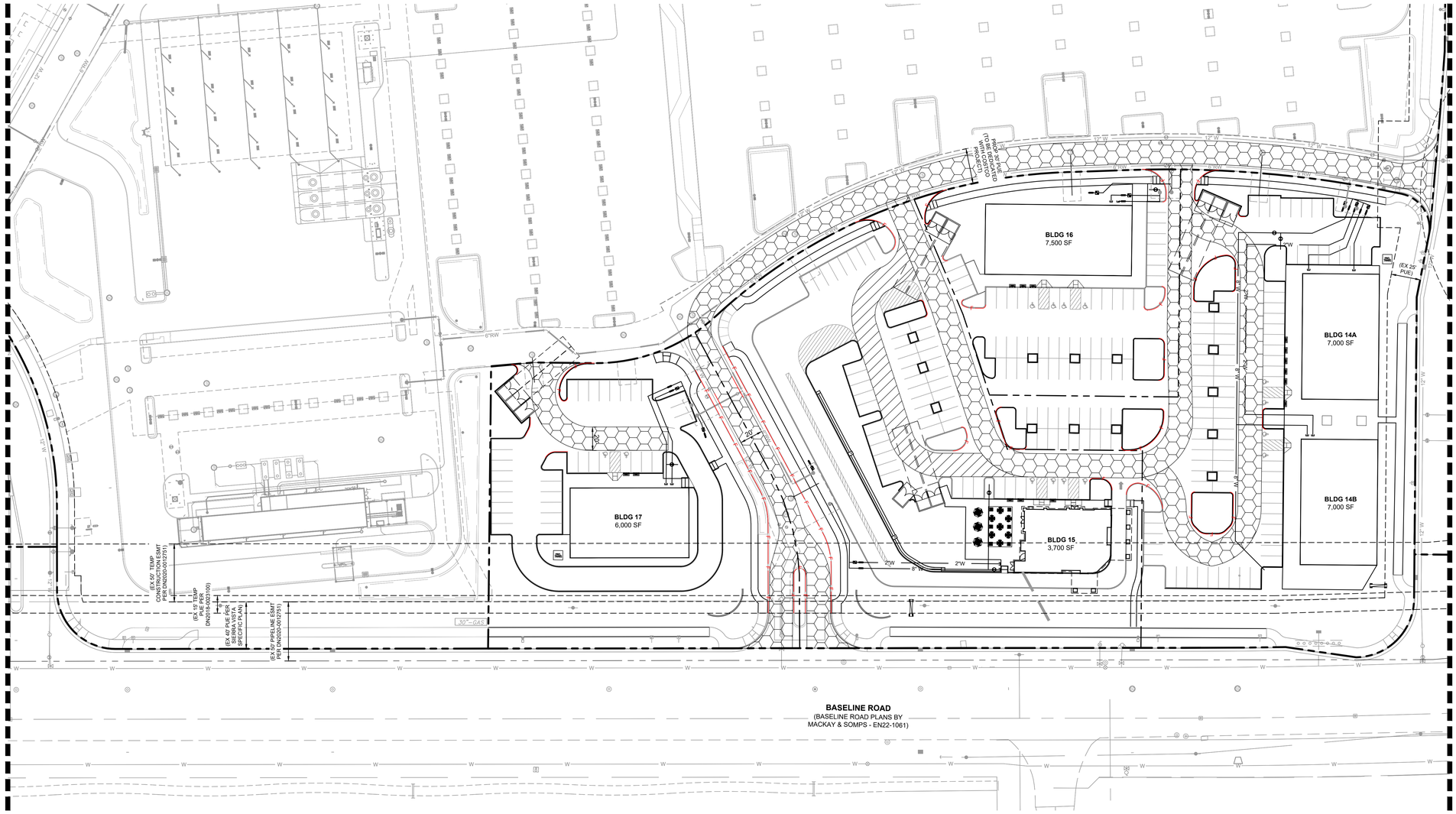
PLACER COUNTY ROSEVILLE, CA

FIRE AND SOLID WASTE ACCESS PLAN (SHEET 1 OF 4)

SHEET NUMBER
C5.1

MATCHLINE - SEE SHEET 1 OF 4

MATCHLINE - SEE SHEET 3 OF 4

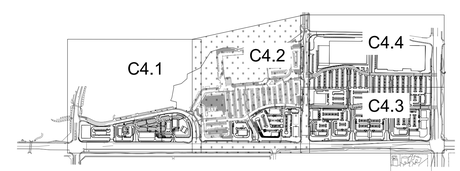


NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- CENTERLINE
- PROPOSED CURB
- CURB BY OTHERS
- PROPOSED CURB AND GUTTER
- FIRE HYDRANT SPACING
- FIRE LANE CURB MARKING
- PROPOSED WATER LINE
- FIRE ACCESS LANE WITH HEAVY DUTY PAVEMENT
- SOLID WASTE ROUTE
- PROPOSED FIRE HYDRANT
- FIRE LANE SIGNAGE
- FIRE DEPARTMENT CONNECTION
- FIRE TRUCK ACCESS LANE
- SOLID WASTE ROUTE



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KEY MAP
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BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

FIRE AND SOLID WASTE ACCESS PLAN (SHEET 2 OF 4)

SHEET NUMBER
C5.2

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MATCHLINE - SEE SHEET 4 OF 4

MATCHLINE - SEE SHEET 2 OF 4

BLDG 13
16,480 SF

BLDG 12
6,000 SF

BLDG 11
3,150 SF

BLDG 10
3,000 SF

BLDG 8B
8,000 SF

BLDG 8A
8,000 SF

BLDG 9B
6,000 SF

BLDG 9A
6,000 SF

BLDG 7
4,500 SF

BLDG 6
3,000 SF

BLDG 5C
6,000 SF

BLDG 5B
6,000 SF

BLDG 5A
5,100 SF

BLDG 4
4,000 SF

UPLAND DRIVE
(UPLAND DRIVE SEGMENT 5 PLANS
BY MACKAY & SOMPS - EN22-1039)

FIDDYMENT ROAD
(FIDDYMENT ROAD SEGMENT 2B PLANS
BY MACKAY & SOMPS - EN22-0974)

BASELINE ROAD
(BASELINE ROAD PLANS BY
MACKAY & SOMPS - EN22-1061)

(EX. 40' PUE PER SIERRA VISTA SUBDIVISION)

(EX. 15' TEMP PUE PER DNDC-2021-0000)

(EX. 50' PIPELINE ESMT PER DNDC-2021-0000)

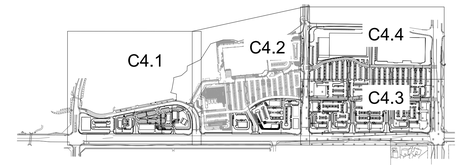
(EX. 50' TEMP CONSTRUCTION ESMT PER DNDC-2021-0000)

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- CENTERLINE
- PROPOSED CURB
- CURB BY OTHERS
- PROPOSED CURB AND GUTTER
- FIRE HYDRANT SPACING
- FIRE LANE CURB MARKING
- PROPOSED WATER LINE
- FIRE ACCESS LANE WITH HEAVY DUTY PAVEMENT
- SOLID WASTE ROUTE
- PROPOSED FIRE HYDRANT
- FIRE LANE SIGNAGE
- FIRE DEPARTMENT CONNECTION
- FIRE TRUCK ACCESS LANE (R50', R30')
- SOLID WASTE ROUTE (R45', R25')

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80



NORTH

KEY MAP
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BASELINE
MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

FIRE AND SOLID WASTE ACCESS PLAN (SHEET 3 OF 4)

SHEET NUMBER
C5.3

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MATCHLINE - SEE SHEET 4 OF 6

SAN FERNANDO DRIVE
(SAN FERNANDO DRIVE PLANS BY MACKAY & SOMPS - EN22-0998)

UPLAND DRIVE
(UPLAND DRIVE SEGMENT 5 PLANS BY MACKAY & SOMPS - EN22-1089)

FIDDYMENT ROAD
(FIDDYMENT ROAD SEGMENT 2B PLANS BY MACKAY & SOMPS - EN22-0974)

BLDG 2
107,546 SF

BLDG 3
148,000 SF

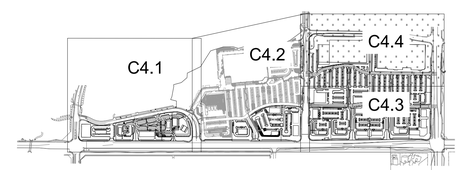
MATCHLINE - SEE SHEET 3 OF 4

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

LEGEND

- PROJECT BOUNDARY
- EXISTING LOT LINES
- CENTERLINE
- PROPOSED CURB
- CURB BY OTHERS
- PROPOSED CURB AND GUTTER
- FIRE HYDRANT SPACING
- FIRE LANE CURB MARKING
- PROPOSED WATER LINE
- FIRE ACCESS LANE WITH HEAVY DUTY PAVEMENT
- SOLID WASTE ROUTE
- PROPOSED FIRE HYDRANT
- FIRE LANE SIGNAGE
- FIRE DEPARTMENT CONNECTION
- FIRE TRUCK ACCESS LANE (R50' / R30')
- SOLID WASTE ROUTE (R45' / R25')



KEY MAP
N.T.S.

No.	REVISIONS	DATE	BY

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BASELINE
MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

FIRE AND SOLID WASTE ACCESS PLAN (SHEET 4 OF 4)

SHEET NUMBER
C5.4

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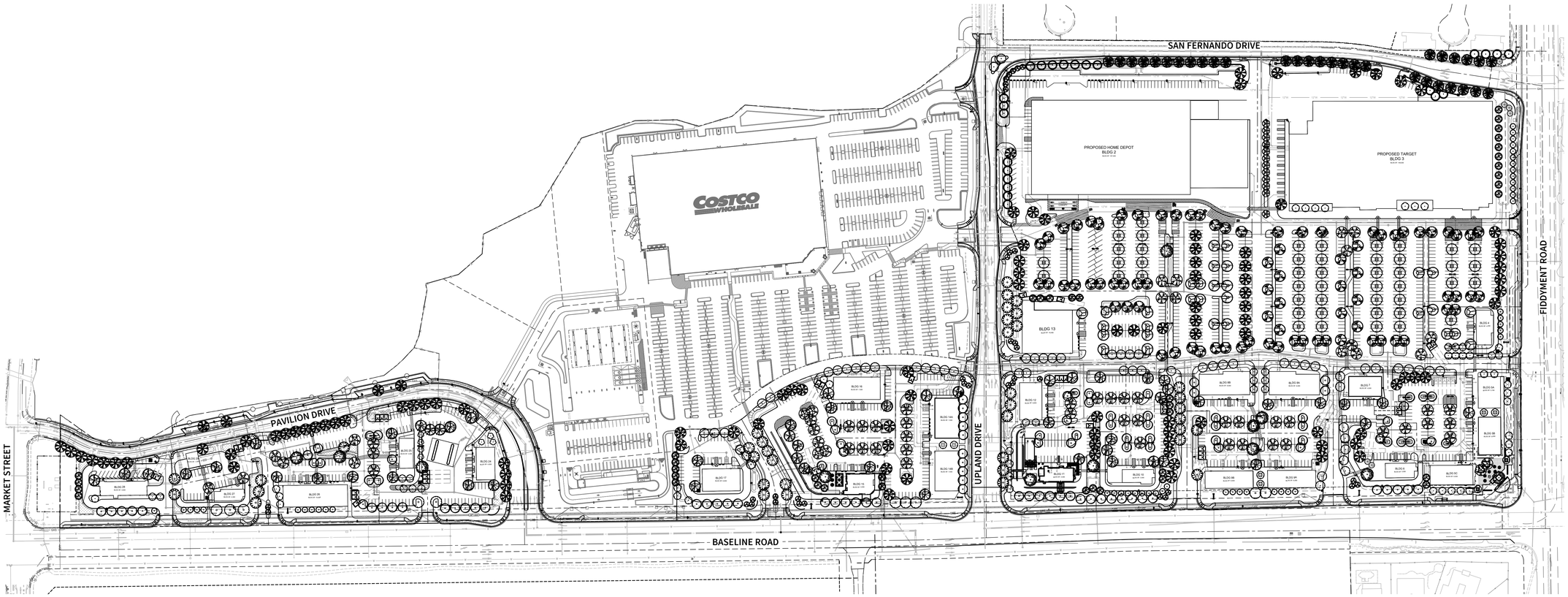


PRELIMINARY LANDSCAPE NOTES

A. STREETSCAPE DESIGN INTENT: STREETSCAPE WILL BE CONSISTENT WITH OTHER PROJECTS WITHIN THE SIERRA VISTA SPECIFIC PLAN AREA. PAVILION DRIVE & SAN FERNANDO DRIVE WILL UTILIZE A COMBINATION OF STREET TREES AND EVERGREEN SUBORDINATE TREES. BASELINE ROAD & FIDDYMENT ROAD WILL HAVE TREES WHERE APPROPRIATE WHILE MAINTAINING CLEARANCE OF THE PG&E EASEMENT AND OVERHEAD POWER LINE EASEMENT. USE OF EVERGREEN SHRUBS AND COLOR MASSED PLANTING WILL BE INCORPORATED ALONG THE STREETSCAPE, AS WELL AS, EARTHEN BERMS TO CREATE VISUAL INTEREST. SHRUB MASSES WILL UTILIZE DROUGHT TOLERANT SPECIES WHERE APPROPRIATE.
   1. DRIVE THRU LANES ALONG THE STREET FRONTAGES WILL BE SCREENED WITH A COMBINATION OF WALLS, BERMING AND EVERGREEN SCREEN SHRUBS.

B. ENTRY TREATMENT: ENTRY WILL BE HIGHLIGHTED BY ACCENT TREES WITH LOW BACKGROUND PLANTING. MONUMENT SIGNAGE WILL BE AT MAIN ENTRY AT BASELINE ROAD. UNDER STORY WILL BE LOW AND CONFORMING TO AN UNDULATED GROUND CONTOUR, WHILE MAINTAINING SIGHT LINES. USE OF COLORFUL PLANT MATERIALS WILL FURTHER ENHANCE AND DEFINE THE ENTRIES, ALONG WITH DROUGHT TOLERANT SPECIES WHERE APPROPRIATE.

C. BUILDING ZONE: FOCUS IS ON CONNECTIVITY FOR PEDESTRIANS. A VARIETY OF COLUMNAR AND SMALL SCALE TREES WITH LOW CONTRASTING SHRUB FORMS WILL BE USED TO ADD INTEREST, COLOR, AND TEXTURE. SEVERAL OUTDOOR PLAZA SPACES WITH TREE WELLS WILL BE INCORPORATED BETWEEN BUILDINGS.

D. PARKING LOT INTENT: DESIGNATED TREES WILL PROVIDE A CANOPY OF SHADE. UNDER STORY PLANTINGS WITHIN THE PARKING LOT WILL CONSIST OF LOW SHRUBBERY AND/OR GROUND COVERS.

E. MONUMENT SIGNAGE: WILL BE CONSISTENT WITH THE SIERRA VISTA SPECIFIC PLAN WILL BE INSTALLED AT THE CORNERS OF BASELINE ROAD AND FIDDYMENT ROAD.

SHADE CALCULATIONS

TOTAL PAVED AREA:			507,426 S.F.
TOTAL SHADE REQUIRED	(50%):		253,713 S.F.
TOTAL SHADE PROVIDED	(57.2)%:		290,433 S.F.
DIA.	QTY.	S.F.	TOTAL S.F.
30' - 35' TREES			
(ACER, CELTIS, KOELREUTERIA, LIRIODENDRON, PISTACHIA, QUERCUS, ULMUS, ZELKOVA)			
100%	148	962	142,376
75%	29	722	20,938
50%	173	481	83,213
25%	18	240	4,320
25' - 30' TREES			
(CEDRUS, PODOCARPUS, TILIA, ULMUS)			
100%	26	706	18,356
75%	10	530	5,300
50%	44	354	15,576
25%	2	177	354
20' - 25' TREES			
(XX)			
100%	0	491	0
75%	0	368	0
50%	0	246	0
25%	0	123	0
TOTAL SHADE PROVIDED BY TREES:			290,433 S.F.

TREE SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME
	ACER RUBRUM `REDPOINTE` / REDPOINTE MAPLE (40'X20')
	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE (40'X35')
	CEDRUS DEODARA / DEODAR CEDAR (60'X30')
	CELTIS SINENSIS / CHINESE HACKBERRY (40'X35')
	CERCIS OCCIDENTALIS 'OKLAHOMA' / WESTERN REDBUD (15'X15')
	CHIONANTHUS RETUSUS / CHINESE FRINGE TREE (20'X15')
	COTINUS COGGYGRIA 'ROYAL PURPLE' / ROYAL PURPLE SMOKE TREE (15'X15')
	KOELREUTERIA PANICULATA / GOLDEN RAIN TREE (25'X30'
	LAGERSTROEMIA INDICA X FAURIEI 'CHOCTAW' / CHOCTAW CRAPE MYRTLE (20'X15')
	LIRIODENDRON TULIPIFERA / TULIP POPLAR (60'X40')
	PINUS CANARIENSIS / CANARY ISLAND PINE (60'X30')
	PISTACIA CHINENSIS 'KEITH DAVEY' / CHINESE PISTACHE (40'X40')
	PODOCARPUS GRACILIOR / FERN PINE (40'X20')
	QUERCUS LOBATA / VALLEY OAK (60'X60')
	QUERCUS WISLIZENI / INTERIOR LIVE OAK (60'X60')
	TILIA CORDATA `GREENSPIRE` / GREENSPIRE LINDEN (40'X25')
	ULMUS PARVIFOLIA `DRAKE` / DRAKE LACEBARK ELM (50'X35')
	ULMUS PROPINQUA 'JFS-BIEBERICH' / EMERALD SUNSHINE® ELM (35'X25')
	VITEX AGNUS-CASTUS / CHASTE TREE (15'X15')
	ZELKOVA SERRATA 'VILLAGE GREEN' / VILLAGE GREEN SAWLEAF ZELKOVA (50'X35')

0 120' 240'
Scale: 1" = 120'-0"

NORTH

No.	REVISIONS	DATE	BY

FUHRMAN LEAMY LAND GROUP
DESIGN • SERVICE • SOLUTIONS
2140 PROFESSIONAL DRIVE, SUITE 115 ROSEVILLE, CA 95661
916- 783-5263 info@fllandgroup.com

BASELINE MARKETPLACE

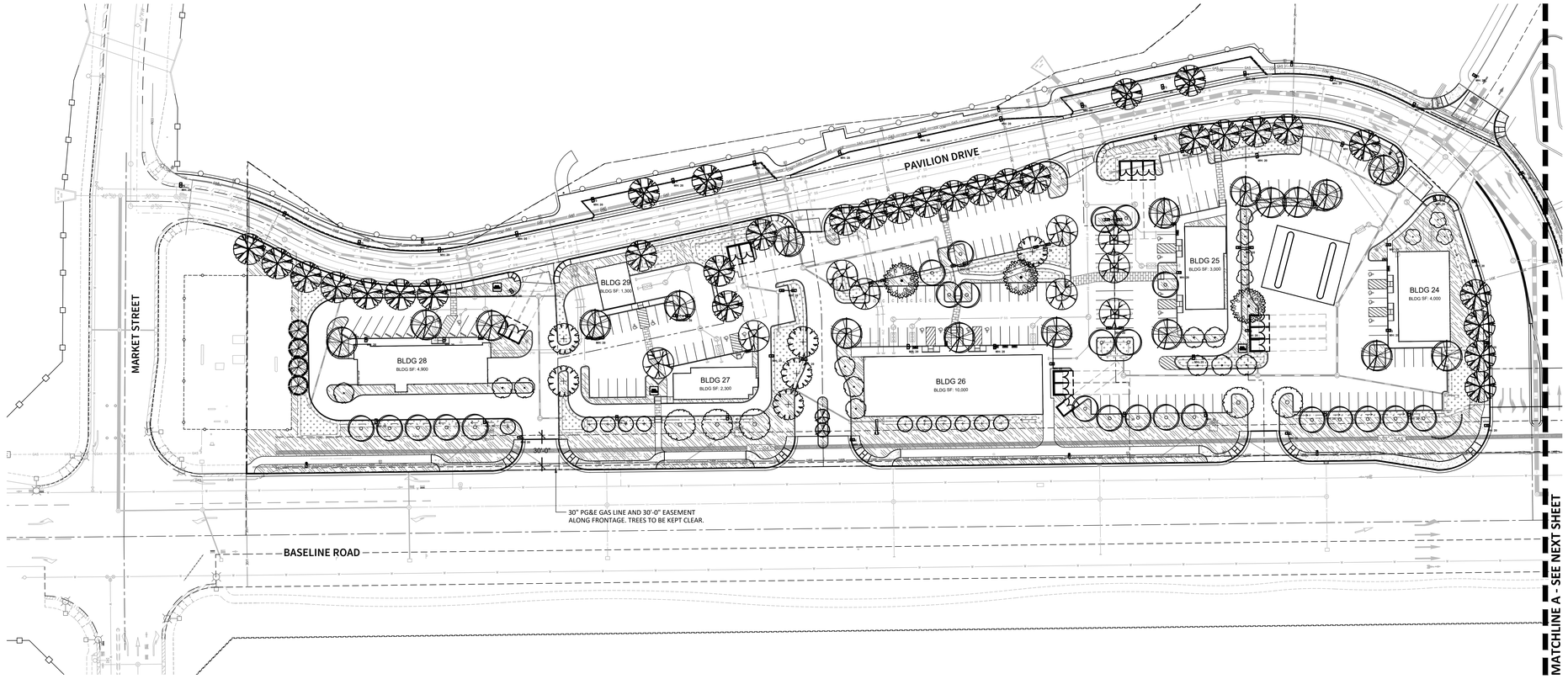
PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

MPP STAGE 1:
PRELIMINARY LANDSCAPE PLAN - OVERALL

DATE: 7.23.2025 PROJECT: CGI:24074

SHEET NUMBER
PL1



TREE SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME
	ACER RUBRUM ` REDPOINTE ` REDPOINTE MAPLE (40'X20')
	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE (40'X35')
	CEDRUS DEODARA DEODAR CEDAR (60'X30')
	CELTIS SINENSIS CHINESE HACKBERRY (40'X35')
	CERCIS OCCIDENTALIS 'OKLAHOMA' WESTERN REDBUD (15'X15')
	CHIONANTHUS RETUSUS CHINESE FRINGE TREE (20'X15')
	COTINUS COGGYGRIA 'ROYAL PURPLE' ROYAL PURPLE SMOKE TREE (15'X15')
	KOELREUTERIA PANICULATA GOLDEN RAIN TREE (25'X30'
	LAGERSTROEMIA INDICA X FAURIEI 'CHOCTAW' CHOCTAW CRAPE MYRTLE (20'X15')
	LIRIODENDRON TULIPIFERA TULIP POPLAR (60'X40')
	PINUS CANARIENSIS CANARY ISLAND PINE (60'X30')
	PISTACIA CHINENSIS 'KEITH DAVEY' CHINESE PISTACHE (40'X40')
	PODOCARPUS GRACILIOR FERN PINE (40'X20')
	QUERCUS LOBATA VALLEY OAK (60'X60')
	QUERCUS WISLIZENI INTERIOR LIVE OAK (60'X60')
	TILIA CORDATA ` GREENSPIRE ` GREENSPIRE LINDEN (40'X25')
	ULMUS PARVIFOLIA ` DRAKE ` DRAKE LACEBARK ELM (50'X35')
	ULMUS PROPINQUA 'JFS-BIEBERICH' EMERALD SUNSHINE® ELM (35'X25')
	VITEX AGNUS-CASTUS CHASTE TREE (15'X15')
	ZELKOVA SERRATA 'VILLAGE GREEN' VILLAGE GREEN SAWLEAF ZELKOVA (50'X35')

CONCEPT PLANT SCHEDULE

BACKGROUND/SCREEN SHRUBS:
EVERGREEN, LARGE SHRUBS TO 6`0" - USED FOR REDUCING BUILDING MASS OR SCREENING UNDESIRABLE VIEWS.

ARCTOSTAPHYLOS X 'HOWARD MCMINN' / HOWARD MCMINN MANZANITA
CEANOTHUS X 'CONCHA' / CONCHA WILD LILAC
GREVILLEA ROSMARINIFOLIA / ROSEMARY GREVILLEA
PODOCARPUS MACROPHYLLUS 'MAKI' / SHRUBBY YEW PINE
PRUNUS CAROLINIANA 'COMPACTA' / COMPACT CAROLINA CHERRY LAUREL
WESTRINGIA X 'WYNYABBIE GEM' / WYNYABBIE GEM COAST ROSEMARY
XYLOSMA CONGESTUM 'COMPACTA' / COMPACT SHINY XYLOSMA

FACER/FILLER SHRUBS:
EVERGREEN OR DECIDUOUS SHRUBS TO 4`0" - USED FOR "TERRACING" OF PLANT MATERIAL, SEASONAL COLOR, AND SOFTENING OF BUILDING EDGES AND FOUNDATION SHRUBS.

ARCTOSTAPHYLOS X 'JOHN DOURLEY' / JOHN DOURLEY MANZANITA
BACCHARIS X 'STERILE CENTENNIAL' / STARN COYOTE BRUSH
CALLISTEMON VIMINALIS 'LITTLE JOHN' / LITTLE JOHN WEEPING BOTTLEBRUSH
CEANOTHUS X 'JOYCE COULTER' / JOYCE COULTER WILD LILAC
CISTUS LADANIFER / CRIMSON SPOT ROCKROSE
MYRTUS COMMUNIS 'COMPACTA' / DWARF COMMON MYRTLE
RHAMNUS CALIFORNICA 'MOUND SAN BRUNO' / MOUND SAN BRUNO COFFEEBERRY
RHAPHIOLEPIS INDICA 'PINK DANCER' / PINK DANCER INDIAN HAWTHORN

ACCENT SHRUBS:
EVERGREEN OR DECIDUOUS SHRUBS TO 3` 0" - USED FOR AESTHETIC VALUE IN LANDSCAPE THROUGH BLOOM, LEAF COLOR, OR OVERALL CHARACTER INTEREST.

ACACIA COGNATA 'ACCOG01' / COUSIN ITT LITTLE RIVER WATTLE
CISTUS SKANBERGII / PINK ROCKROSE
HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA
LANTANA MONTEVIDENSIS / PURPLE TRAILING LANTANA
LOMANDRA LONGIFOLIA 'ROMA 13' / PLATINUM BEAUTY® VARIEGATED MAT RUSH
LOMANDRA LONGIFOLIA BREEZE / BREEZE DWARF MAT RUSH
NANDINA DOMESTICA 'LEMON-LIME' / LEMON-LIME HEAVENLY BAMBOO
SALVIA MICROPHYLLA 'HOT LIPS' / HOT LIPS GRAHAM SAGE

GROUNDCOVER MATERIAL:
EVERGREEN OR PERENNIAL TO 30" HIGH - USED TO BLANKET LARGER AREAS AND AS A FILLER BETWEEN SITE WORK EDGES AND FACER SHRUBS.

CISTUS SALVIIFOLIUS 'PROSTRATUS' / SAGELEAF ROCKROSE
COPROSMA PETRIEI 'VERDE VISTA' / VERDE VISTA MIRROR PLANT
JUNIPERUS SABINA 'BUFFALO' / BUFFALO JUNIPER
MYOPORUM PARVIFOLIUM 'PUTAH CREEK' / PUTAH CREEK TRAILING MYOPORUM
NEPETA X FAASSENII 'WALKER'S LOW' / WALKER'S LOW CATMINT
ROSMARINUS OFFICINALIS 'IRENE' / IRENE TRAILING ROSEMARY
TEUCRIUM CHAMAEDRYS 'PROSTRATUM' / PROSTRATE GERMANDER
WESTRINGIA FRUTICOSA 'NFL25' / MUNDI™ COAST ROSEMARY

STORMWATER QUALITY AREAS:
EVERGREEN OR PERENNIAL SHRUBS/GROUNDCOVER TO 24" HIGH AND ADAPTABLE TO WET CONDITIONS

ACORUS GRAMINEUS 'OGON' / GOLDEN VARIEGATED SWEETFLAG
CHONDROPETALUM TECTORUM / SMALL CAPE RUSH
EUONYMUS FORTUNEI 'COLORATA' / PURPLE-LEAF WINTER WINTERCREEPER
JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH
TURF SOD BIOFILTRATION SOD / DELTA BLUEGRASS BIOFILTRATION SOD

0 50' 100'
Scale: 1" = 50'-0"

NORTH

No.	REVISIONS	DATE	BY

FUHRMAN LEAMY LAND GROUP
DESIGN • SERVICE • SOLUTIONS
2140 PROFESSIONAL DRIVE, SUITE 115 ROSEVILLE, CA 95661
916- 783-5263 info@fllandgroup.com

BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

MPP STAGE 1:
PRELIMINARY LANDSCAPE PLAN - WEST

DATE: 7.23.2025 PROJECT: CGI:24074

SHEET NUMBER
PL2

TREE SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME
	ACER RUBRUM ` REDPOINTE ` REDPOINTE MAPLE (40'X20')
	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE (40'X35')
	CEDRUS DEODARA DEODAR CEDAR (60'X30')
	CELTIS SINENSIS CHINESE HACKBERRY (40'X35')
	CERCIS OCCIDENTALIS 'OKLAHOMA' WESTERN REDBUD (15'X15')
	CHIONANTHUS RETUSUS CHINESE FRINGE TREE (20'X15')
	COTINUS COGGYGRIA 'ROYAL PURPLE' ROYAL PURPLE SMOKE TREE (15'X15')
	KOELREUTERIA PANICULATA GOLDEN RAIN TREE (25'X30'
	LAGERSTROEMIA INDICA X FAURIEI 'CHOCTAW' CHOCTAW CRAPE MYRTLE (20'X15')
	LIRIODENDRON TULIPIFERA TULIP POPLAR (60'X40')
	PINUS CANARIENSIS CANARY ISLAND PINE (60'X30')
	PISTACIA CHINENSIS 'KEITH DAVEY' CHINESE PISTACHE (40'X40')
	PODOCARPUS GRACILIOR FERN PINE (40'X20')
	QUERCUS LOBATA VALLEY OAK (60'X60')
	QUERCUS WISLIZENI INTERIOR LIVE OAK (60'X60')
	TILIA CORDATA ` GREENSPIRE ` GREENSPIRE LINDEN (40'X25')
	ULMUS PARVIFOLIA ` DRAKE ` DRAKE LACEBARK ELM (50'X35')
	ULMUS PROPINQUA 'JFS-BIEBERICH' EMERALD SUNSHINE® ELM (35'X25')
	VITEX AGNUS-CASTUS CHASTE TREE (15'X15')
	ZELKOVA SERRATA 'VILLAGE GREEN' VILLAGE GREEN SAWLEAF ZELKOVA (50'X35')

CONCEPT PLANT SCHEDULE

BACKGROUND/SCREEN SHRUBS:
EVERGREEN, LARGE SHRUBS TO 6`-0" - USED FOR REDUCING BUILDING MASS OR SCREENING UNDESIRABLE VIEWS.

ARCTOSTAPHYLOS X 'HOWARD MCMINN' / HOWARD MCMINN MANZANITA
CEANOTHUS X 'CONCHA' / CONCHA WILD LILAC
GREVILLEA ROSMARINIFOLIA / ROSEMARY GREVILLEA
PODOCARPUS MACROPHYLLUS 'MAKI' / SHRUBBY YEW PINE
PRUNUS CAROLINIANA 'COMPACTA' / COMPACT CAROLINA CHERRY LAUREL
WESTRINGIA X 'WYNYABBIE GEM' / WYNYABBIE GEM COAST ROSEMARY
XYLOSMA CONGESTUM 'COMPACTA' / COMPACT SHINY XYLOSMA

FACER/FILLER SHRUBS:
EVERGREEN OR DECIDUOUS SHRUBS TO 4`-0" - USED FOR "TERRACING" OF PLANT MATERIAL, SEASONAL COLOR, AND SOFTENING OF BUILDING EDGES AND FOUNDATION SHRUBS.

ARCTOSTAPHYLOS X 'JOHN DOURLEY' / JOHN DOURLEY MANZANITA
BACCHARIS X 'STERILE CENTENNIAL' / STARN COYOTE BRUSH
CALLISTEMON VIMINALIS 'LITTLE JOHN' / LITTLE JOHN WEEPING BOTTLEBRUSH
CEANOTHUS X 'JOYCE COULTER' / JOYCE COULTER WILD LILAC
CISTUS LADANIFER / CRIMSON SPOT ROCKROSE
MYRTUS COMMUNIS 'COMPACTA' / DWARF COMMON MYRTLE
RHAMNUS CALIFORNICA 'MOUND SAN BRUNO' / MOUND SAN BRUNO COFFEEBERRY
RHAPHIOLEPIS INDICA 'PINK DANCER' / PINK DANCER INDIAN HAWTHORN

ACCENT SHRUBS:
EVERGREEN OR DECIDUOUS SHRUBS TO 3`-0" - USED FOR AESTHETIC VALUE IN LANDSCAPE THROUGH BLOOM, LEAF COLOR, OR OVERALL CHARACTER INTEREST.

ACACIA COGNATA 'ACCOG01' / COUSIN ITT LITTLE RIVER WATTLE
CISTUS SKANBERGII / PINK ROCKROSE
HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA
LANTANA MONTEVIDENSIS / PURPLE TRAILING LANTANA
LOMANDRA LONGIFOLIA 'ROMA 13' / PLATINUM BEAUTY® VARIEGATED MAT RUSH
LOMANDRA LONGIFOLIA BREEZE / BREEZE DWARF MAT RUSH
NANDINA DOMESTICA 'LEMON-LIME' / LEMON-LIME HEAVENLY BAMBOO
SALVIA MICROPHYLLA 'HOT LIPS' / HOT LIPS GRAHAM SAGE

GROUNDCOVER MATERIAL:
EVERGREEN OR PERENNIAL TO 30" HIGH - USED TO BLANKET LARGER AREAS AND AS A FILLER BETWEEN SITE WORK EDGES AND FACER SHRUBS.

CISTUS SALVIIFOLIUS 'PROSTRATUS' / SAGELEAF ROCKROSE
COPROSMA PETRIEI 'VERDE VISTA' / VERDE VISTA MIRROR PLANT
JUNIPERUS SABINA 'BUFFALO' / BUFFALO JUNIPER
MYOPORUM PARVIFOLIUM 'PUTAH CREEK' / PUTAH CREEK TRAILING MYOPORUM
NEPETA X FAASSENII 'WALKER'S LOW' / WALKER'S LOW CATMINT
ROSMARINUS OFFICINALIS 'IRENE' / IRENE TRAILING ROSEMARY
TEUCRIUM CHAMAEDRYS 'PROSTRATUM' / PROSTRATE GERMANDER
WESTRINGIA FRUTICOSA 'NFL25' / MUNDI™ COAST ROSEMARY

STORMWATER QUALITY AREAS:
EVERGREEN OR PERENNIAL SHRUBS/GROUNDCOVER TO 24" HIGH AND ADAPTABLE TO WET CONDITIONS

ACORUS GRAMINEUS 'OGON' / GOLDEN VARIEGATED SWEETFLAG
CHONDROPETALUM TECTORUM / SMALL CAPE RUSH
EUONYMUS FORTUNEI 'COLORATA' / PURPLE-LEAF WINTER WINTERCREEPER
JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH
TURF SOD BIOFILTRATION SOD / DELTA BLUEGRASS BIOFILTRATION SOD

0 50' 100'
Scale: 1" = 50'-0"

NORTH

No.	REVISIONS	DATE	BY

FUHRMAN LEAMY LAND GROUP
DESIGN • SERVICE • SOLUTIONS
2140 PROFESSIONAL DRIVE, SUITE 115 ROSEVILLE, CA 95661
916 . 783 . 5263 info@fllandgroup.com

BASELINE MARKETPLACE

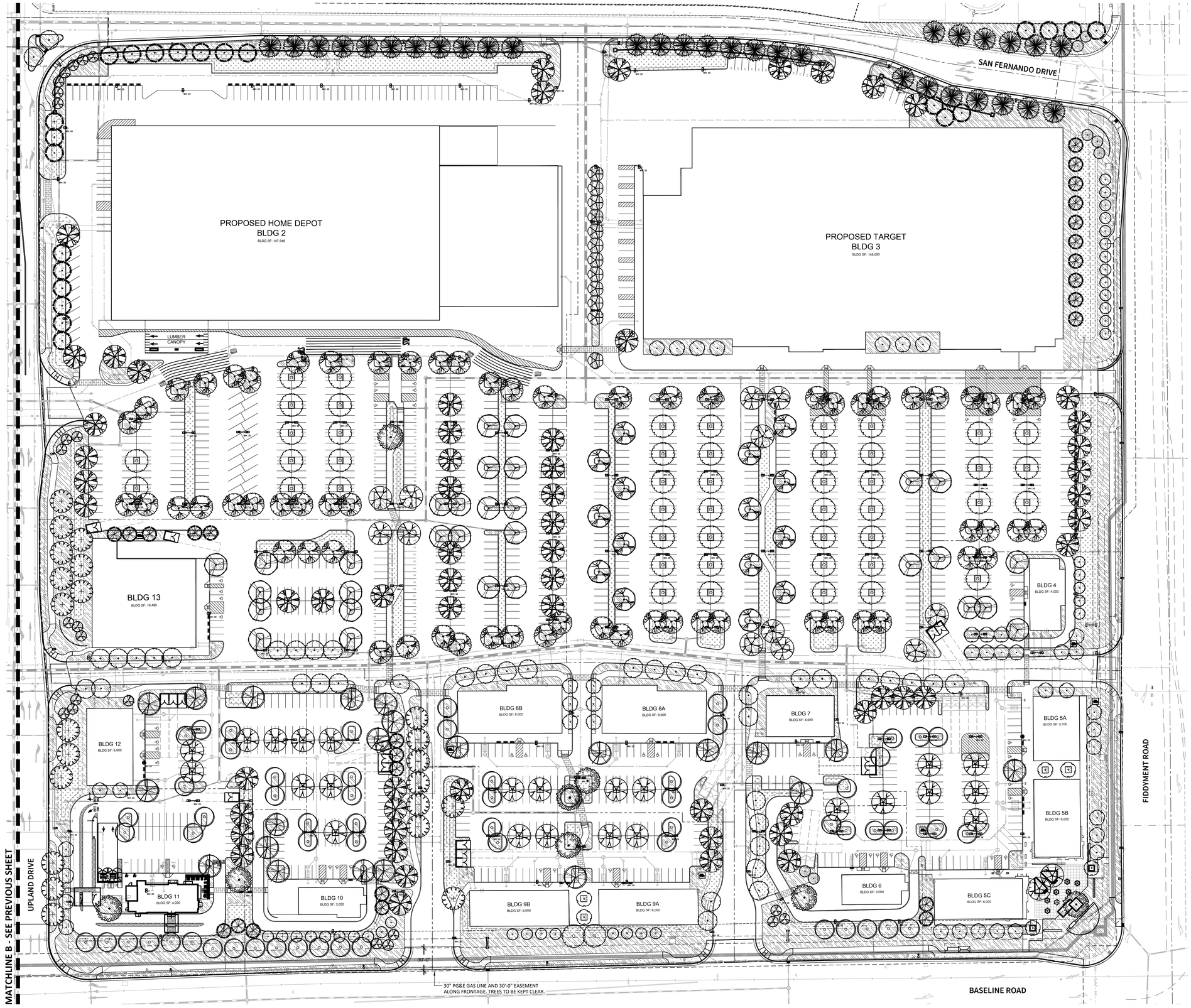
PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

MPP STAGE 1:
PRELIMINARY LANDSCAPE PLAN - CENTER

DATE: 7.23.2025 PROJECT: CGI:24074

SHEET NUMBER
PL3



TREE SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME
	ACER RUBRUM ` REDPOINTE ` REDPOINTE MAPLE (40'X20')
	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE (40'X35')
	CEDRUS DEODARA DEODAR CEDAR (60'X30')
	CELTIS SINENSIS CHINESE HACKBERRY (40'X35')
	CERCIS OCCIDENTALIS 'OKLAHOMA' WESTERN REDBUD (15'X15')
	CHIONANTHUS RETUSUS CHINESE FRINGE TREE (20'X15')
	COTINUS COGGYGRIA 'ROYAL PURPLE' ROYAL PURPLE SMOKE TREE (15'X15')
	KOELREUTERIA PANICULATA GOLDEN RAIN TREE (25'X30'
	LAGERSTROEMIA INDICA X FAURIEI 'CHOCTAW' CHOCTAW CRAPE MYRTLE (20'X15')
	LIRIODENDRON TULIPIFERA TULIP POPLAR (60'X40')
	PINUS CANARIENSIS CANARY ISLAND PINE (60'X30')
	PISTACIA CHINENSIS 'KEITH DAVEY' CHINESE PISTACHE (40'X40')
	PODOCARPUS GRACILIOR FERN PINE (40'X20')
	QUERCUS LOBATA VALLEY OAK (60'X60')
	QUERCUS WISLIZENI INTERIOR LIVE OAK (60'X60')
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	ULMUS PROPINQUA 'JFS-BIEBERICH' EMERALD SUNSHINE® ELM (35'X25')
	VITEX AGNUS-CASTUS CHASTE TREE (15'X15')
	ZELKOVA SERRATA 'VILLAGE GREEN' VILLAGE GREEN SAWLEAF ZELKOVA (50'X35')

CONCEPT PLANT SCHEDULE

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EVERGREEN, LARGE SHRUBS TO 6`-0"- USED FOR REDUCING BUILDING MASS OR SCREENING UNDESIRABLE VIEWS.

ARCTOSTAPHYLOS X 'HOWARD MCMINN' / HOWARD MCMINN MANZANITA
CEANOTHUS X 'CONCHA' / CONCHA WILD LILAC
GREVILLEA ROSMARINIFOLIA / ROSEMARY GREVILLEA
PODOCARPUS MACROPHYLLUS 'MAKI' / SHRUBBY YEW PINE
PRUNUS CAROLINIANA 'COMPACTA' / COMPACT CAROLINA CHERRY LAUREL
WESTRINGIA X 'WYNYABBIE GEM' / WYNYABBIE GEM COAST ROSEMARY
XYLOSMA CONGESTUM 'COMPACTA' / COMPACT SHINY XYLOSMA

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BACCHARIS X 'STERILE CENTENNIAL' / STARN COYOTE BRUSH
CALLISTEMON VIMINALIS 'LITTLE JOHN' / LITTLE JOHN WEEPING BOTTLEBRUSH
CEANOTHUS X 'JOYCE COULTER' / JOYCE COULTER WILD LILAC
CISTUS LADANIFER / CRIMSON SPOT ROCKROSE
MYRTUS COMMUNIS 'COMPACTA' / DWARF COMMON MYRTLE
RHAMNUS CALIFORNICA 'MOUND SAN BRUNO' / MOUND SAN BRUNO COFFEEBERRY
RHAPHIOLEPIS INDICA 'PINK DANCER' / PINK DANCER INDIAN HAWTHORN

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CISTUS SKANBERGII / PINK ROCKROSE
HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA
LANTANA MONTEVIDENSIS / PURPLE TRAILING LANTANA
LOMANDRA LONGIFOLIA 'ROMA 13' / PLATINUM BEAUTY® VARIEGATED MAT RUSH
LOMANDRA LONGIFOLIA BREEZE / BREEZE DWARF MAT RUSH
NANDINA DOMESTICA 'LEMON-LIME' / LEMON-LIME HEAVENLY BAMBOO
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GROUNDCOVER MATERIAL:
EVERGREEN OR PERENNIAL TO 30" HIGH - USED TO BLANKET LARGER AREAS AND AS A FILLER BETWEEN SITE WORK EDGES AND FACER SHRUBS.

CISTUS SALVIIFOLIUS 'PROSTRATUS' / SAGELEAF ROCKROSE
COPROSMA PETRIEI 'VERDE VISTA' / VERDE VISTA MIRROR PLANT
JUNIPERUS SABINA 'BUFFALO' / BUFFALO JUNIPER
MYOPORUM PARVIFOLIUM 'PUTAH CREEK' / PUTAH CREEK TRAILING MYOPORUM
NEPETA X FAASSENII 'WALKER'S LOW' / WALKER'S LOW CATMINT
ROSMARINUS OFFICINALIS 'IRENE' / IRENE TRAILING ROSEMARY
TEUCRIUM CHAMAEDRYS 'PROSTRATUM' / PROSTRATE GERMANDER
WESTRINGIA FRUTICOSA 'NFL25' / MUNDI™ COAST ROSEMARY

STORMWATER QUALITY AREAS:
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ACORUS GRAMINEUS 'OGON' / GOLDEN VARIEGATED SWEETFLAG
CHONDROPETALUM TECTORUM / SMALL CAPE RUSH
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JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH
TURF SOD BIOFILTRATION SOD / DELTA BLUEGRASS BIOFILTRATION SOD

0 50' 100'
Scale: 1" = 50'-0"

NORTH

No.	REVISIONS	DATE	BY

FUHRMAN LEAMY LAND GROUP
DESIGN • SERVICE • SOLUTIONS
2140 PROFESSIONAL DRIVE, SUITE 115 ROSEVILLE, CA 95661
916. 783.5263 info@fllandgroup.com

BASELINE MARKETPLACE

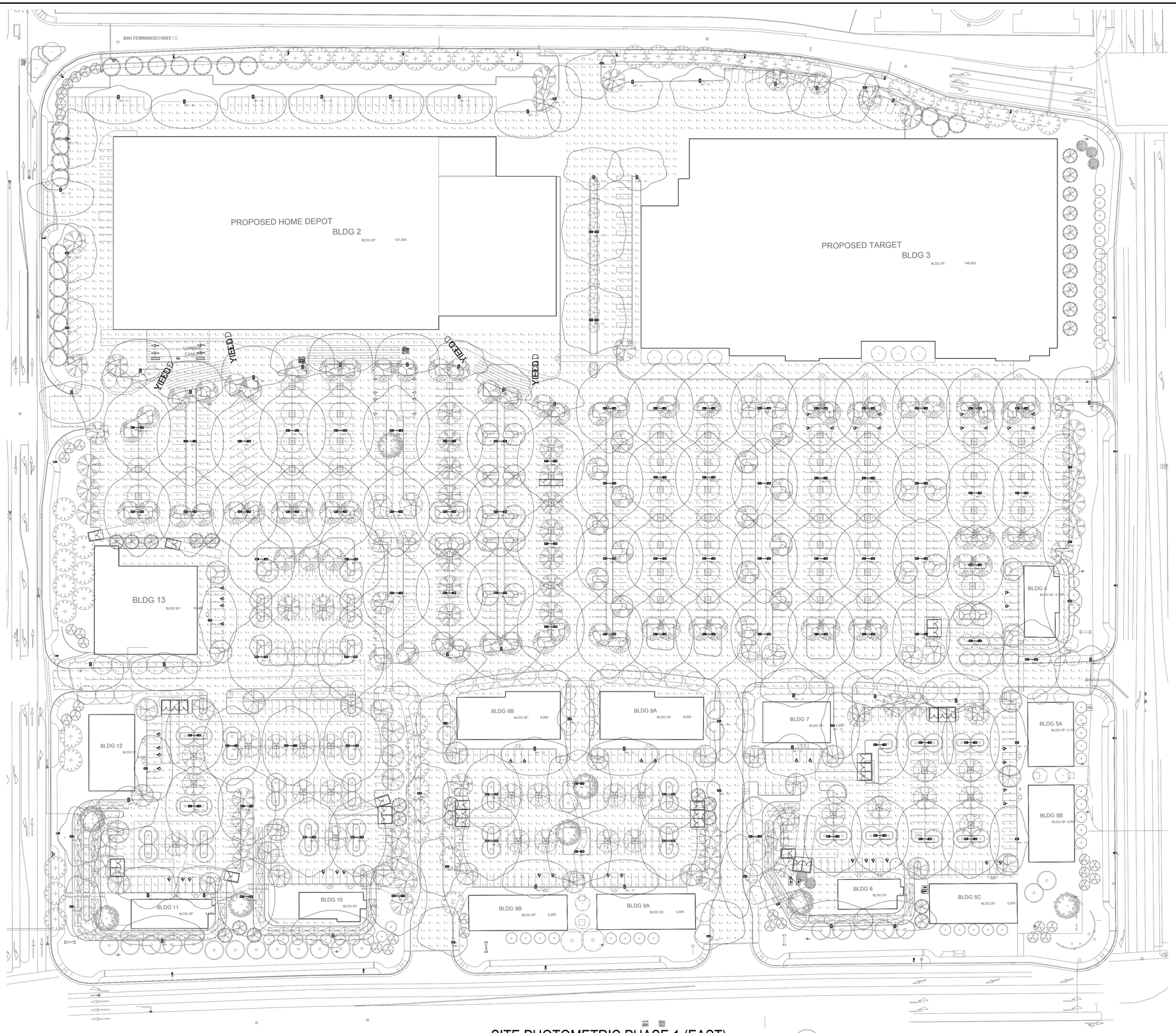
PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

MPP STAGE 1:
PRELIMINARY LANDSCAPE PLAN - EAST

DATE: 7.23.2025 PROJECT: CGI:24074

SHEET NUMBER
PL4



SITE PHOTOMETRIC PHASE 1 (EAST)

SCALE: 1" = 60'-0"

1

CITY OF ROSEVILLE APPROVAL

No.	REVISIONS	DATE	BY

CORE STATES GROUP
4240 East Lincoln Street, Suite 402
Gilbert, AZ 85234
Phone: (909) 467-8907
kgraves@corestates.com

JAMES D. TERRY — No. 24427 — LICENSED PROFESSIONAL ENGINEER — ELECTRICAL — STATE OF CALIFORNIA

PROJECT NO.	090227000
DATE	07/21/2025
SCALE	AS SHOWN
DESIGNED BY	JC
DRAWN BY	JP
CHECKED BY	CK

BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

ROSEVILLE, CA
PLACER COUNTY

SHEET NUMBER
E1.1

SITE PHOTOMETRIC PHASE 1 (MIDDLE)

SCALE: 1" = 50'-0"

1

CITY OF ROSEVILLE APPROVAL

No.	REVISIONS	DATE	BY

CORE STATES GROUP
4240 East Jurupa Street, Suite 402
Ontario, CA 91761
Phone: (909) 467-8907
kgrant@corestates.com

LICENSED PROFESSIONAL ENGINEER
JAMES D. TERRY
No. 24647
ELECTRICAL
STATE OF CALIFORNIA

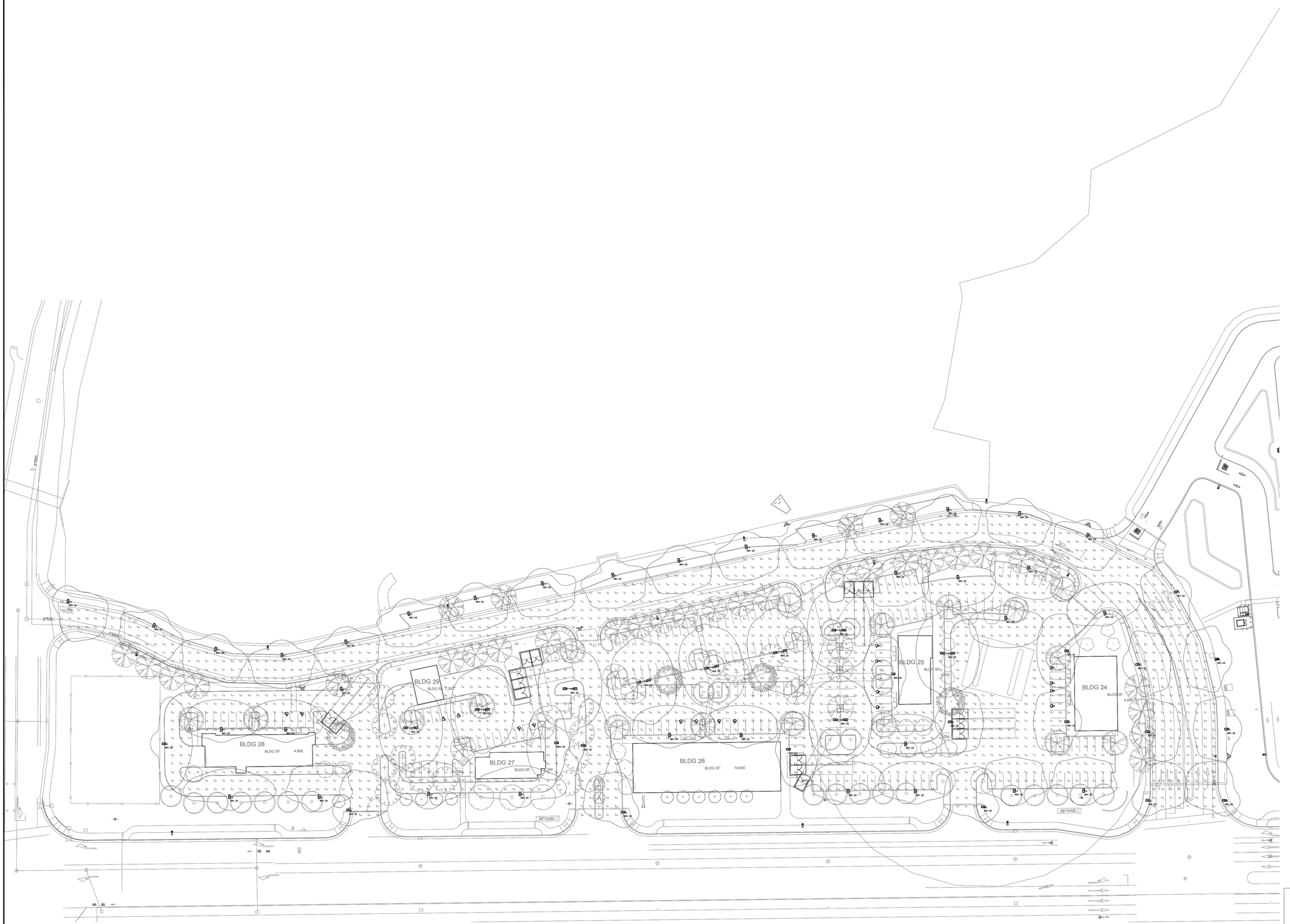
PROJECT NO.	09022700
DATE	07/21/2025
SCALE	AS SHOWN
DESIGNED BY	JC
DRAWN BY	JP
CHECKED BY	CK

BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

ROSEVILLE, CA
PLACER COUNTY

SHEET NUMBER
E1.2



SITE PHOTOMETRIC PHASE 1 (WEST)

SCALE: 1" = 50'-0"

1

CITY OF ROSEVILLE APPROVAL

No.	REVISIONS	DATE	BY

CORE STATES GROUP

4240 East Jurupa Street, Suite 402
Ontario, CA 91761
Phone: (909) 487-8907
bgraves@corestates.com

LICENSED PROFESSIONAL ENGINEER
BRANDON D. TERRY
ELECTRICAL
STATE OF CALIFORNIA

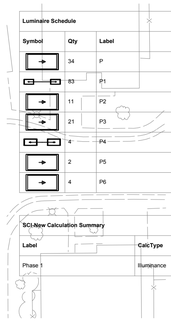
PROJECT NO.	09022700
DATE	07/21/2025
SCALE	AS SHOWN
DESIGNED BY	JC
DRAWN BY	JP
CHECKED BY	CK

BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

ROSEVILLE, CA
PLACER COUNTY

SHEET NUMBER
E1.3



Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description	LLF
	34	P	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T3	0.950
	83	P1	Back-Back	Cooper McGraw Edison - GALN-SB2B-740-U-T3	0.950
	11	P2	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T2	0.950
	21	P3	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T4FT	0.950
	4	P4	Back-Back	Cooper McGraw Edison - GALN-SB2B-740-U-T4FT	0.950
	2	P5	Single	Cooper McGraw Edison - GALN-SB2B-740-U-SLR	0.950
	4	P6	Single	Cooper McGraw Edison - GALN-SB2B-740-U-SLL	0.950

SCI-New Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Phase 1	Illuminance	Fc	2.53	7.6	0.2	12.65	38.00

SITE PHOTOMETRIC DATA PHASE 1 (EAST) 1

SCALE: N.T.S.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description	LLF
	7	P	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T3	0.950
	1	P1	Back-Back	Cooper McGraw Edison - GALN-SB2B-740-U-T3	0.950
	6	P2	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T2	0.950
	17	P3	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T4FT	0.950
	2	P4	Back-Back	Cooper McGraw Edison - GALN-SB2B-740-U-T4FT	0.950
	1	P5	Single	Cooper McGraw Edison - GALN-SB2B-740-U-SLR	0.950

SCI-New Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Phase 2	Illuminance	Fc	2.04	6.0	0.5	4.08	12.00

SITE PHOTOMETRIC DATA PHASE 1 (MIDDLE) 2

SCALE: N.T.S.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description	LLF
	16	P	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T3	0.950
	9	P1	Back-Back	Cooper McGraw Edison - GALN-SB2B-740-U-T3	0.950
	4	P2	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T2	0.950
	28	P3	Single	Cooper McGraw Edison - GALN-SB2B-740-U-T4FT	0.950
	3	P5	Single	Cooper McGraw Edison - GALN-SB2B-740-U-SLR	0.950
	3	P6	Single	Cooper McGraw Edison - GALN-SB2B-740-U-SLL	0.950

SCI-New Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Phase 3	Illuminance	Fc	2.34	7.6	0.5	4.68	15.20

SITE PHOTOMETRIC DATA PHASE 1 (WEST) 3

SCALE: N.T.S.

CITY OF ROSEVILLE APPROVAL

No.	REVISIONS	DATE	BY

CORE STATES GROUP
4240 East Jurupa Street, Suite 402
Ontario, CA 91761
Phone: (909) 467-8907
tgraves@corestates.com

PROJECT NO: 09022700
DATE: 07/21/2025
SCALE: AS SHOWN
DESIGNED BY: JC
DRAWN BY: JP
CHECKED BY: CK

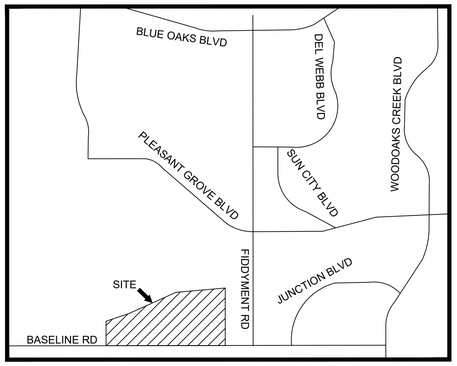
BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

ROSEVILLE, CA
PLACER COUNTY

SHEET NUMBER
E1.4

TENTATIVE PARCEL MAP PLANS FOR:
BASELINE MARKETPLACE
ROSEVILLE, CA
CITY OF ROSEVILLE, PLACER COUNTY, STATE OF CALIFORNIA



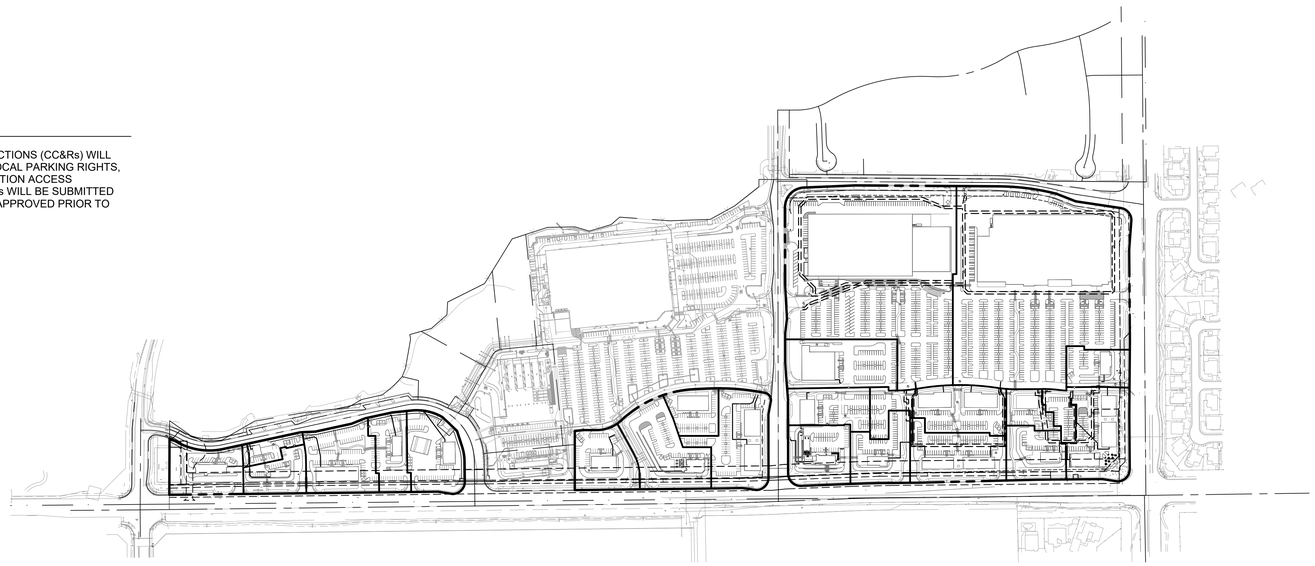
VICINITY MAP
N.T.S.

LEGEND

- PROJECT BOUNDARY
- PROPERTY LINE
- ADJACENT LOT LINE
- ADJACENT RIGHT OF WAY
- EASEMENT
- ROAD CENTERLINE
- SECTION LINE
- SETBACK

CC&R NOTE

COVENANTS, CONDITIONS & RESTRICTIONS (CC&Rs) WILL BE REQUIRED TO MAINTAIN RECIPROCAL PARKING RIGHTS, DRAINAGE ACCESS, AND CONSTRUCTION ACCESS BETWEEN SUBJECT PARCELS. CC&Rs WILL BE SUBMITTED FOR REVIEW AND REQUIRED TO BE APPROVED PRIOR TO FINAL BUILDING PERMIT APPROVAL.



NORTH

GRAPHIC SCALE IN FEET
0 125 250 500

EXISTING PARCEL SUMMARY

PARCEL NUMBER	SF	ACRES
498-410-029	19,343	0.444
498-410-028	58,013	1.332
498-410-027	38,233	0.878
498-410-026	77,474	1.779
498-410-025	43,859	1.007
498-410-024	68,442	1.571
498-410-017	59,756	1.372
498-410-016	36,539	0.839
498-410-015	88,106	2.023
498-410-014	93,708	2.151
498-410-002	475,194	10.909
498-410-003	522,463	11.994
498-410-004	40,289	0.925
498-410-005	109,811	2.521
498-410-006	50,226	1.153
498-410-007	26,848	0.616
498-410-008	94,373	2.167
498-410-009	80,950	1.858
498-410-010	56,272	1.292
498-410-011	61,626	1.415
498-410-012	53,000	1.217
498-410-013	90,354	2.074
PARCEL TOTAL	2,244,879	51.54

SITE INFORMATION	
ADDRESS	5200 BASELINE ROAD
SITE JURISDICTION	CITY OF ROSEVILLE
NUMBER OF EXISTING LOTS	24
NUMBER OF PROPOSED LOTS	22
ZONING INFORMATION	
LAND USE / ZONING	PLANNED DEVELOPMENT (PD)
SETBACK	TBD
LANDSCAPE BUFFER	TBD
SIERRA VISTA SPECIFIC PLANS	COMMERCIAL

ESTIMATED EARTHWORK RESULTS	
RAW-CUT (CU. YD.)	14,500 CY
RAW-FILL (CU. YD.)	189,700 CY
RAW-NET FILL (CU. YD.)	175,200 CY

PROPERTY DESCRIPTION

BEING A MERGER AND RESUBDIVISION OF LOTS 6, 7, AND 8 AND A PORTION OF THE RIGHT-OF-WAY OF UPLAND DRIVE. SAN FERNANDO DRIVE AND BASELINE ROAD OF THAT CERTAIN MAP ENTITLED "SIERRA VISTA DF PROPERTIES, INC., LARGE LOT SUBDIVISION, SUBDIVISION NO. PL15-0192 FILED FOR RECORD ON OCTOBER 29, 2020 IN BOOK FF OF MAPS AT PAGE 21, PLACER COUNTY RECORDS, LOCATED IN A PORTION OF THE SOUTH HALF OF SECTION 36, TOWNSHIP 11 NORTH, RANGE 5 EAST, MOUNT DIABLO MERIDIAN. CITY OF ROSEVILLE. PLACER COUNTY. CALIFORNIA.

ENGINEER

KIMLEY-HORN
1201 3RD AVE, SUITE 2800
SEATTLE, WA 98101
CONTACT: KATY DANEKER, PE
E: KATY.DANEKER@KIMLEY-HORN.COM
T: 206-536-2610

SURVEYOR

PBLA SURVEYING, INC.
981 CORPORATE CENTER DR. STE 150
POMONA, CA 91768
CONTACT: PETER E. WEILBACHER
T: 888-714-9642

OWNER

DF PROPERTIES, INC.
2013 OPPORTUNITY DRIVE, SUITE 140
ROSEVILLE, CA 95678
CONTACT:
T:

FIRE PROTECTION

CITY OF ROSEVILLE
316 VERNON STREET, SUITE 480
ROSEVILLE, CA 95678
CONTACT: MICHAEL BRADLEY
T: 916-774-5800

SANITARY SEWER

CITY OF ROSEVILLE ENVIRONMENTAL UTILITIES
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747
T: 916-774-5770
E: ENVIRONMENTALUTILITIES@ROSEVILLE.CA.US

DOMESTIC WATER

CITY OF ROSEVILLE
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747
T: 916-774-5770
E: ENVIRONMENTALUTILITIES@ROSEVILLE.CA.US

TELEPHONE/CABLE

SUREWEST/COMCAST
114 VERNON STREET
ROSEVILLE, CA 95678
T: 916-780-8000

1162 ROSEVILLE PARKWAY SUITE 100
ROSEVILLE, CA 95678
T: 800-934-6489

STORM DRAIN

CITY OF ROSEVILLE PUBLIC WORKS
311 VERNON ST #100,
ROSEVILLE, CA 95678
T: 916-774-5770
E: PUBLICWORKS@ROSEVILLE.CA.US

ELECTRICITY

CITY OF ROSEVILLE ELECTRIC UTILITY
311 VERNON STREET
ROSEVILLE, CA 95678
T: 916-774-5300

GAS

PACIFIC GAS AND ELECTRIC
151 N SUNRISE AVENUE, SUITE 513
ROSEVILLE, CA 95661
T: 877-660-6789

No.	REVISIONS	DATE	BY

Kimley»Horn

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1201 3RD AVE SUITE 2800, SEATTLE, WA 98101
PHONE: (206) 970-1900
WWW.KIMLEY-HORN.COM

BASELINE MARKETPLACE
PREPARED FOR
COVENANT REAL ESTATE GROUP
PLACER COUNTY ROSEVILLE, CA

TENTATIVE PARCEL MAP
PRELIMINARY COVER SHEET

SHEET NUMBER
1 OF 6

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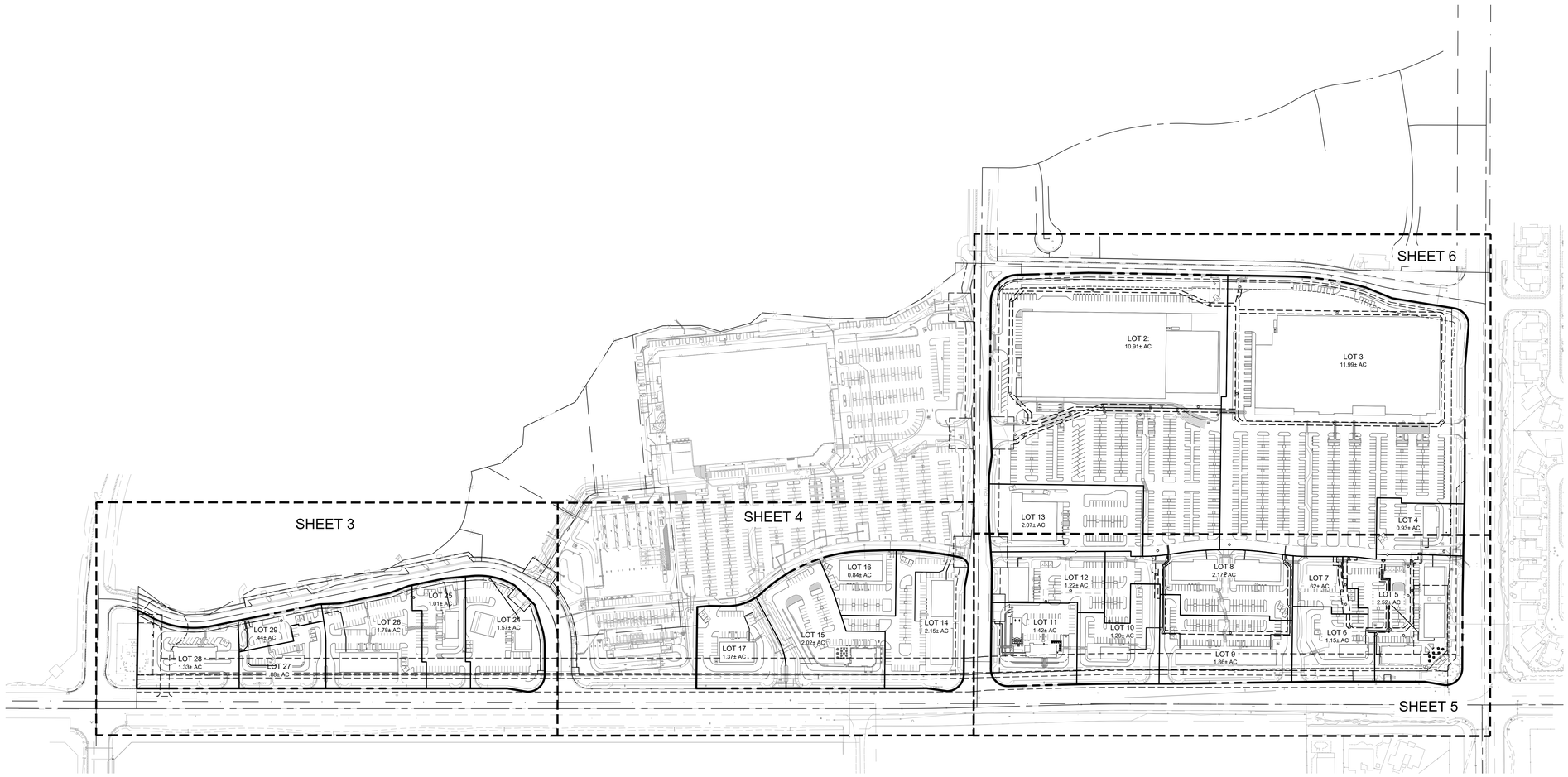

LEGEND

- PROJECT BOUNDARY
- PROPERTY LINE
- ADJACENT LOT LINE
- ADJACENT RIGHT OF WAY
- EASEMENT
- ROAD CENTERLINE
- SECTION LINE
- SETBACK

NORTH

GRAPHIC SCALE IN FEET
0 75 150 300

No.	REVISIONS	DATE	BY

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BASELINE
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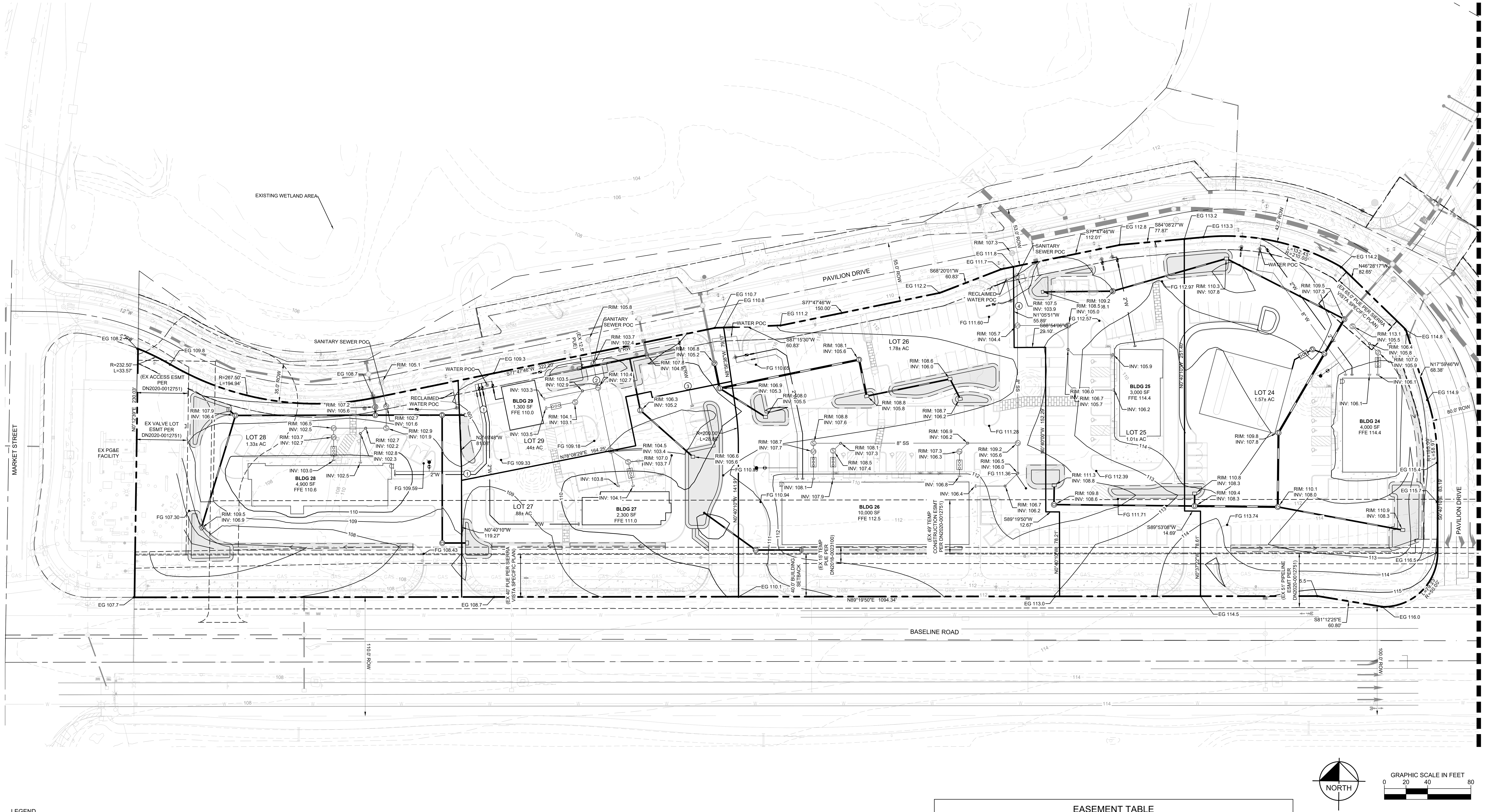
PLACER COUNTY ROSEVILLE, CA

TENTATIVE PARCEL MAP
PRELIMINARY LOTTING PLAN

SHEET NUMBER
2 OF 6



LEGEND

- PROJECT BOUNDARY
- PROPERTY LINE
- ADJACENT LOT LINE
- ADJACENT RIGHT OF WAY
- EASEMENT
- ROAD CENTERLINE
- SECTION LINE
- SETBACK
- PROPOSED BIORETENTION
- PROPOSED LIGHT POLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- POINT OF CONNECTION
- PROPOSED FIRE HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER CLEANOUT
- PROPOSED GREASE INTERCEPTOR
- PROPOSED GATE VALVE
- PROPOSED WATER METER
- PROPOSED BACKFLOW PREVENTER

EASEMENT TABLE	
EASEMENT NO.	DESCRIPTION
1	10' PRIVATE WATER EASEMENT
2	15' PUBLIC SEWER EASEMENT
3	10' PRIVATE RECYCLED WATER EASEMENT
4	15' PUBLIC SEWER EASEMENT

No.	REVISIONS	DATE	BY

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BASELINE MARKETPLACE

PREPARED FOR
COVENANT REAL ESTATE GROUP

PLACER COUNTY ROSEVILLE, CA

TENTATIVE PARCEL MAP PRELIMINARY DRAINAGE, GRADING, AND UTILITY PLAN

SHEET NUMBER
3 OF 6

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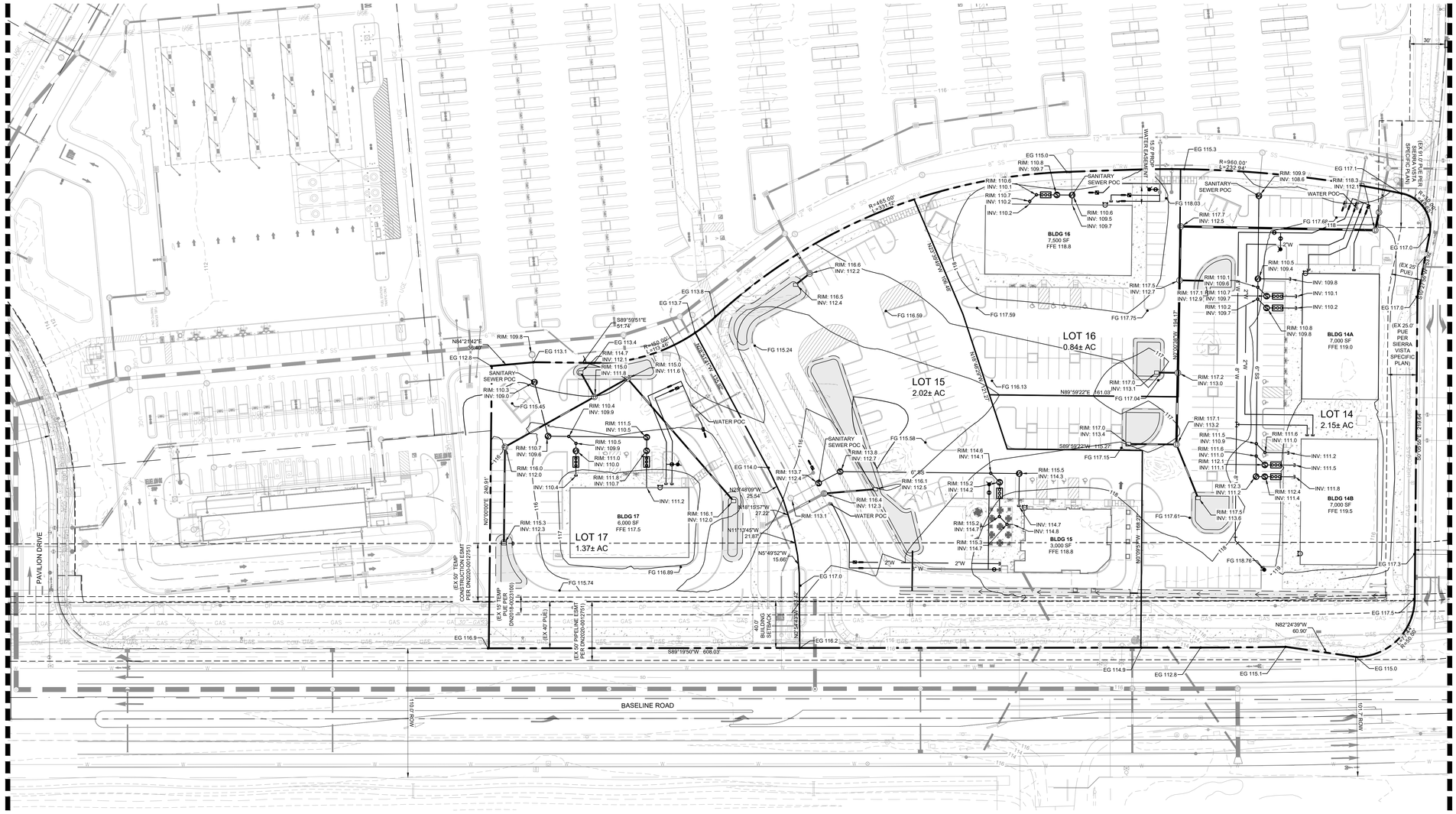
MATCHLINE - SEE SHEET 3 OF 6

MATCHLINE - SEE SHEET 5 OF 6



LEGEND

- PROJECT BOUNDARY
- PROPERTY LINE
- ADJACENT LOT LINE
- ADJACENT RIGHT OF WAY
- EASEMENT
- ROAD CENTERLINE
- SECTION LINE
- SETBACK
- PROPOSED BIORETENTION
- PROPOSED LIGHT POLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- POINT OF CONNECTION
- PROPOSED FIRE HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER CLEANOUT
- PROPOSED GREASE INTERCEPTOR
- PROPOSED GATE VALVE
- PROPOSED WATER METER
- PROPOSED BACKFLOW PREVENTER

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

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TENTATIVE PARCEL MAP PRELIMINARY DRAINAGE, GRADING, AND UTILITY PLAN

SHEET NUMBER
4 OF 6

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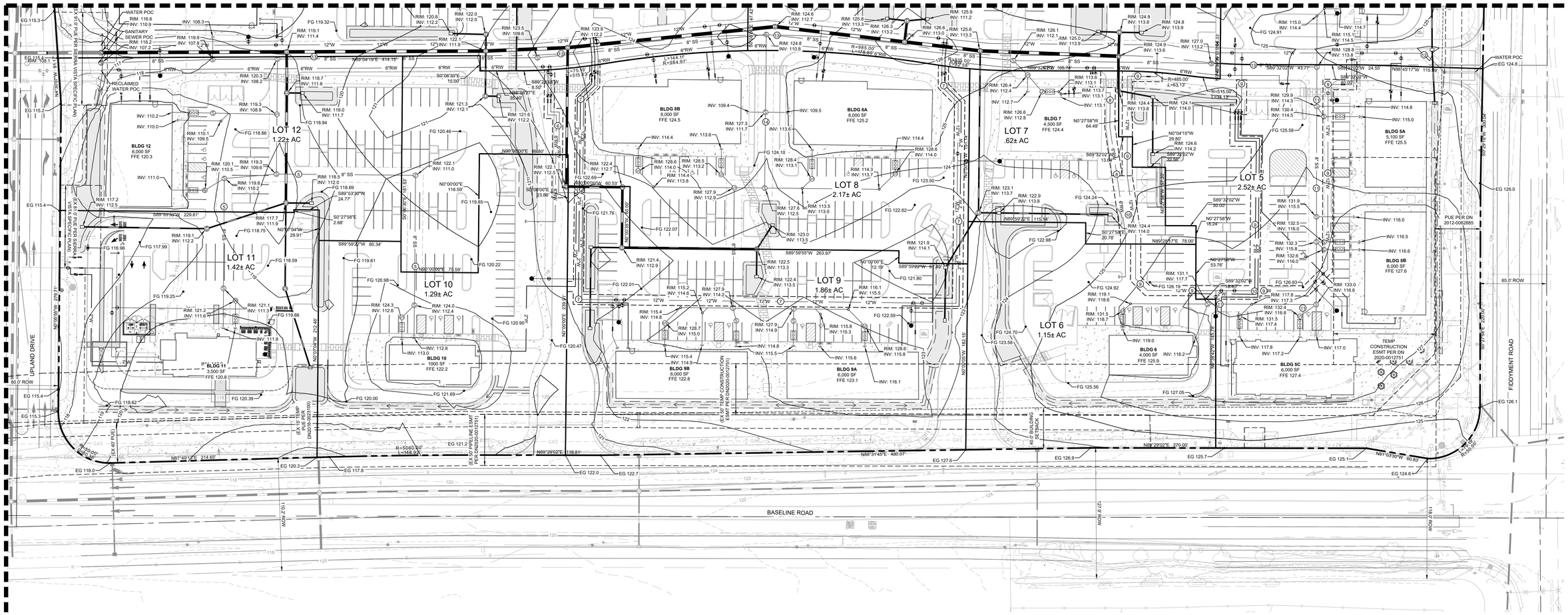
MATCHLINE - SEE SHEET 6 OF 6

MATCHLINE - SEE SHEET 4 OF 6



LEGEND

- PROJECT BOUNDARY
- PROPERTY LINE
- ADJACENT LOT LINE
- ADJACENT RIGHT OF WAY
- EASEMENT
- ROAD CENTERLINE
- SECTION LINE
- SETBACK
- PROPOSED BIORETENTION
- PROPOSED LIGHT POLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- POINT OF CONNECTION
- PROPOSED FIRE HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER CLEANOUT
- PROPOSED GREASE INTERCEPTOR
- PROPOSED GATE VALVE
- PROPOSED WATER METER
- PROPOSED BACKFLOW PREVENTER

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

EASEMENT TABLE

EASEMENT NO.	DESCRIPTION
5	15' PUBLIC SEWER EASEMENT
6	10' PRIVATE RECYCLED WATER EASEMENT
7	10' PRIVATE WATER EASEMENT
8	10' PRIVATE RECYCLED WATER EASEMENT
9	10' PRIVATE WATER EASEMENT
10	VARIABLE WIDTH COMBINED PRIVATE WATER & RECYCLED WATER EASEMENT
11	15' PUBLIC SEWER EASEMENT
12	15' PUBLIC WATER EASEMENT
13	30' PUBLIC UTILITY EASEMENT
14	15' PUBLIC SEWER EASEMENT

No.	REVISIONS	DATE	BY

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TENTATIVE PARCEL MAP
PRELIMINARY DRAINAGE, GRADING, AND UTILITY PLAN

SHEET NUMBER
5 OF 6

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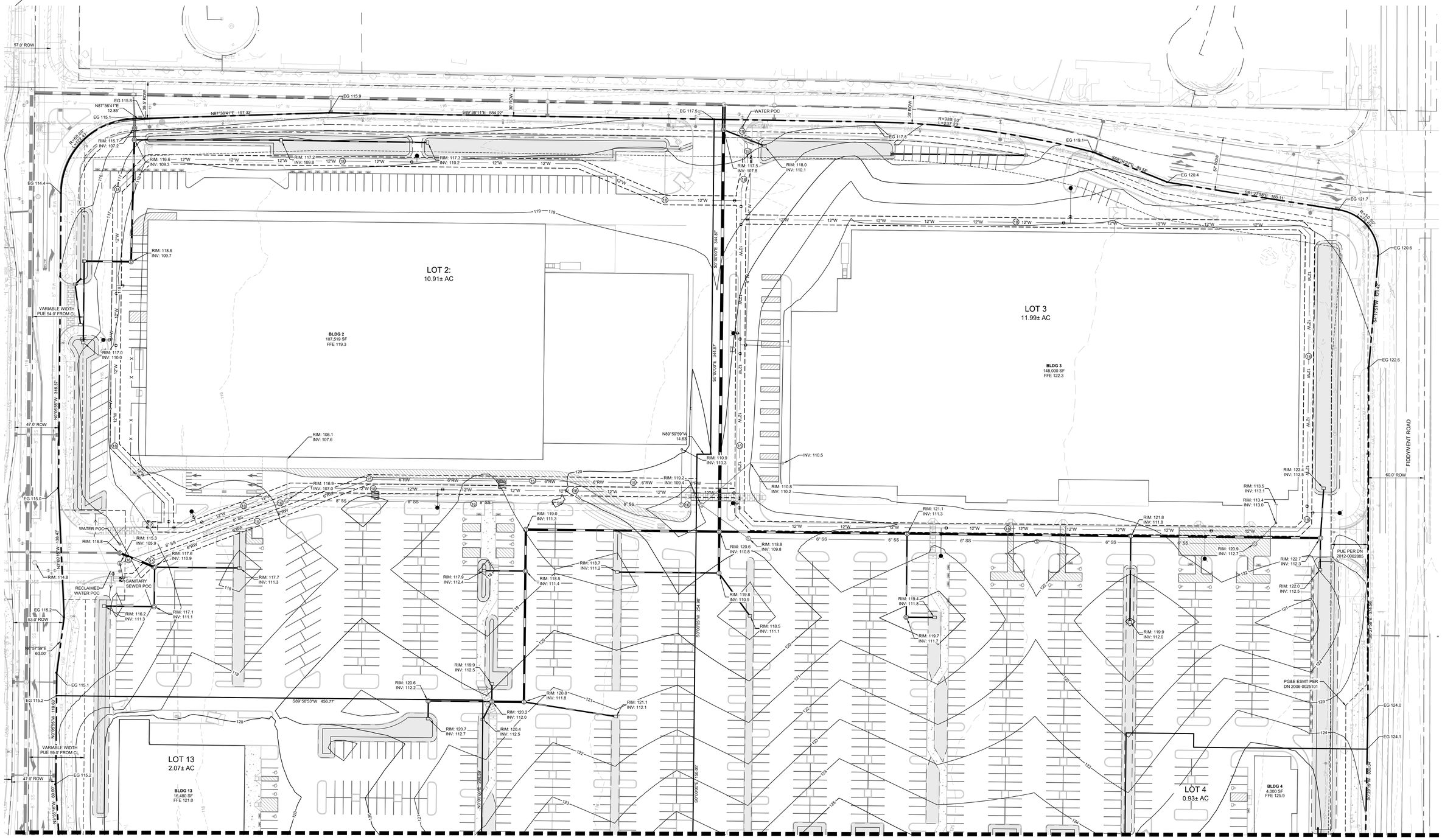

LEGEND

PROJECT BOUNDARY	PROPOSED SEWER MANHOLE
PROPERTY LINE	PROPOSED SEWER CLEANOUT
ADJACENT LOT LINE	PROPOSED GREASE INTERCEPTOR
ADJACENT RIGHT OF WAY	PROPOSED GATE VALVE
EASEMENT	PROPOSED WATER METER
ROAD CENTERLINE	PROPOSED BACKFLOW PREVENTER
SECTION LINE	
SETBACK	
PROPOSED BIORETENTION	
PROPOSED LIGHT POLE	
PROPOSED STORM MANHOLE	
PROPOSED CATCH BASIN	
POINT OF CONNECTION	
PROPOSED FIRE HYDRANT	

EASEMENT TABLE

EASEMENT NO.	DESCRIPTION
15	10' PRIVATE RECYCLED WATER EASEMENT
16	15' PUBLIC SEWER EASEMENT
17	VARIABLE WIDTH PUBLIC WATER EASEMENT
18	10' PRIVATE WATER EASEMENT
19	10' PUBLIC WATER EASEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

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TENTATIVE PARCEL MAP
PRELIMINARY DRAINAGE, GRADING, AND UTILITY PLAN

SHEET NUMBER
6 OF 6

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Planning Commission Communication

Meeting Date: 8/28/2025
Item #: VI.2
Item ID: 2025-623

Title: Zoning and Subdivision Ordinance Amendment – Tolling Provisions, File # PL25-0439
Contact: Lauren Hocker 916-774-5272 lhocker@roseville.ca.us

REQUEST

The request is a city-initiated request to amend Roseville Municipal Code Chapter 19 (Zoning Ordinance) to add a new Section 19.76.140 (Tolling Provisions) and amend Roseville Municipal Code Chapter 18 (Subdivision Ordinance) to modify Section 18.06.230 (Time Period of Approvals) to indicate that the expiration of approved projects shall be paused (tolled) during any time the approvals are or were the subject of a lawsuit.

Applicant: City of Roseville

RECOMMENDATION

The Planning Division recommends that the Planning Commission take the following actions:

1. Consider the two (2) findings of fact and recommend City Council approve the Ordinance Amendment to Title 19 of the Roseville Municipal Code.
2. Review and comment on the Ordinance Amendment to Title 18 of the Roseville Municipal Code.

Respectfully Submitted,
Lauren Hocker, Senior Planner

Greg Bitter, Planning Manager

ATTACHMENTS:

1. Staff Report
2. Exhibit A Subdivision and Zoning Ordinance redlines

REVIEWERS:

Lupe Nelson, Development Services Department — Created/Initiated - 8/21/2025

ITEM 6.2: ORDINANCE AMENDMENT – CITYWIDE – ZONING AND SUBDIVISION ORDINANCE AMENDMENTS – TOLLING PROVISIONS – PL25-0439

REQUEST

The request is a city-initiated request to amend Roseville Municipal Code Chapter 19 (Zoning Ordinance) to add a new Section 19.76.140 (Tolling Provisions) and amend Roseville Municipal Code Chapter 18 (Subdivision Ordinance) to modify Section 18.06.230 (Time Period of Approvals) to indicate that the expiration of approved projects shall be paused (tolled) during any time the approvals are or were the subject of a lawsuit.

Applicant – City of Roseville

SUMMARY RECOMMENDATION

The Planning Division recommends the Planning Commission take the following actions:

1. Consider the two (2) findings of fact and recommend City Council approve the Ordinance Amendment to Title 19 of the Roseville Municipal Code.
2. Review and comment on the Ordinance Amendment to Title 18 of the Roseville Municipal Code.

SUMMARY OF OUTSTANDING ISSUES

There are no outstanding issues associated with this request.

BACKGROUND

A tolling provision is a clause that pauses a statute of limitations if certain conditions are met. There are many tolling provisions in existing state law related to the expiration of project approvals, particularly for housing development projects (example: Government Code 65914.4). These tolling provisions are usually triggered when an issue that is out of the applicant's control will delay project construction. The most common issue is when a lawsuit is filed challenging the approval of the project. Lawsuits may take years to resolve, and without a tolling provision, the entitlements may expire during this time period even though the applicant was not in a position to be able to move forward with their project. The applicant then must apply for an extension of the entitlement or a new approval, which can itself be the subject of another lawsuit. Pausing the approval time period for the duration of any lawsuit grants the applicant the time needed for a lawsuit to be resolved.

EVALUATION

Section 19.86.050 of the City of Roseville Zoning Ordinance requires two findings be made in order to approve a zoning ordinance amendment. The two findings are listed below in ***italicized, bold*** text and are followed by an evaluation of the project in relation to the findings. There is no advisory body for Title 18, so staff is requesting the Planning Commission review and comment on changes to Title 18 and will pass those comments on to City Council.

1. ***The project is consistent with the public interest, health, safety, or welfare of the City.***

2. ***The project is consistent with the General Plan and any applicable specific plan of the City of Roseville.***

Staff is proposing that a tolling provision be added for all project applications approved by the City, which would pause the expiration of a project approval during the time period that a project is or was the subject of a legal challenge. Staff proposes the amendments be retroactive to any project set to expire during this calendar year (on or after January 1, 2025); this term is included in the draft enacting Ordinance language within Exhibit A.

To effect this change, staff proposes adding the language below (*underlined italics*) and included as Exhibit A.

ADD RMC Section 19.76.140 Tolling Provisions to read as follows: *Any approvals granted pursuant to this Chapter shall be tolled, and shall not expire, during the time that any or all such approvals are, or were, the subject of a lawsuit pending in a court of competent jurisdiction.*

ADD TEXT to RMC Section 18.06.230 (Time Period of Approvals) to read as follows: Tentative maps shall be initially approved or conditionally approved for 24 months. Within 24 months from the date of approval or conditional approval, the applicant may prepare, submit and record the final map, parcel map or other documents required by this title and the Subdivision Map Act. *This 24-month period shall not include the period of time during which a lawsuit involving the approval or conditional approval of the tentative map is, or was, pending in a court of competent jurisdiction.*

The proposed tolling provisions will protect applicants from the unreasonable expiration of entitlements during a time period when an applicant is not in a position to effectuate those entitlements. The proposed amendments provide the necessary time for the due process of a legal challenge to be completed, and therefore are consistent with the public interest, health, safety, or welfare of the City and are consistent with the General Plan and the City's Specific Plans.

PUBLIC OUTREACH

A public notice of the Planning Commission hearing was published in the Sacramento Bee and on the Roseville Coalition of Neighborhood Associations website 20 days prior to the public hearing. No comments were received.

ENVIRONMENTAL DETERMINATION

The proposed Zoning Ordinance and Subdivision Ordinance amendments are policy and procedure-making activities, and the California Environmental Quality Act (CEQA) only applies to projects which have the potential to cause a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA. (CEQA Guidelines §15061(b)(3)).

RECOMMENDATION

The Planning Division recommends the Planning Commission take the following actions:

1. Adopt the findings of fact as stated in the staff report and approve the **TITLE 19 ORDINANCE AMENDMENT – CITYWIDE – ZONING AND SUBDIVISION ORDINANCE AMENDMENTS – TOLLING PROVISIONS – PL25-0439**.
2. Review and comment on the **Title 18 ORDINANCE AMENDMENT – CITYWIDE – ZONING AND SUBDIVISION ORDINANCE AMENDMENTS – TOLLING PROVISIONS – PL25-0439**.

Exhibits

A. Subdivision and Zoning Ordinance Redlines

Note to Applicant and/or Developer: Please contact the Planning Division staff at (916) 774-5276 prior to the Commission meeting if you have any questions on any of the recommended conditions for your project. If you challenge the decision of the Commission in court, you may be limited to raising only those issues which you or someone else raised at the public hearing held for this project, or in written correspondence delivered to the Planning Manager at, or prior to, the public hearing.

ORDINANCE NO. _____

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTION 18.06.230 OF CHAPTER 18.06 OF TITLE 18 OF THE ROSEVILLE MUNICIPAL CODE REGARDING TIME PERIOD OF APPROVALS AND ADDING SECTION 19.76.140 TO CHAPTER 19.76 OF TITLE 19 OF THE ROSEVILLE MUNICIPAL CODE REGARDING TOLLING PROVISIONS

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. The section of the Roseville Municipal Code listed above is hereby amended to read as shown on Attachment "A".

SECTION 2. This ordinance shall be effective at the expiration of thirty (30) days from the date of adoption and shall be applicable to any approved project covered by the Ordinance which was set to expire on or after January 1, 2025.

SECTION 3. The City Clerk is hereby directed to cause this ordinance to be published in full at least once within fourteen (14) days after it is adopted in a newspaper of general circulation in the City, or shall within fourteen (14) days after its adoption cause this ordinance to be posted in full in at least three (3) public places in the City and enter in the Ordinance Book a certificate stating the time and place of said publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____

MAYOR

ATTEST:

_____

City Clerk

ATTACHMENT "A"

§ 18.06.230. Time period of approvals.

Tentative maps shall be initially approved or conditionally approved for 24 months. Within 24 months from the date of approval or conditional approval, the applicant may prepare, submit and record the final map, parcel map or other documents required by this title and the Subdivision Map Act. This 24-month period shall not include the period of time during which a lawsuit involving the approval or conditional approval of the tentative map is, or was, pending in a court of competent jurisdiction.

§ 19.76.140. Tolling provisions.

Any approvals ranted pursuant to this Chapter shall be tolled, and shall not expire, during the time that any or all such approvals are, or were, the subject of a lawsuit pending in a court of competent jurisdiction.