

CONTRIBUTING ZONE EXCEPTION REQUEST

**TORO GRANDE – TXDOT 1431 ENTRANCE
NORTHWEST CORNER OF TORO GRANDE AND 1431
CEDAR PARK, WILLIAMSON COUNTY, TEXAS**

Prepared For:

VASDA DEVELOPERS LLC

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512 – 590 – 4165

Prepared By:

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Firm No. 928
KHA Project No. 069274414

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***SECTION 1:
EDWARDS AQUIFER APPLICATION
COVER PAGE***

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).

Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a “Mid-Review Modification”. Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ’s Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ’s San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: <u>Toro Grande – TxDOT</u> <u>1431 Entrance</u>					2. Regulated Entity No.:				
3. Customer Name: <u>Vasda Developers LLC</u>					4. Customer No.:				
5. Project Type: (Please circle/check one)	<u>New</u>		Modification		Extension		Exception		
6. Plan Type: (Please circle/check one)	WPA P	<u>CZP</u>	SCS	UST	AST	EX P	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential		<u>Non-residential</u>			8. Site (acres): <u>0.42</u>			
9. Application Fee:	<u>\$500</u>		10. Permanent BMP(s):			N/A			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):			N/A			
13. County:	<u>Williamson</u>		14. Watershed:			<u>Turkey Creek – Brushy Creek</u>			

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the “Texas Groundwater Conservation Districts within the EAPP Boundaries” map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	<u> </u> X <u> </u>
Region (1 req.)	—	—	<u> </u> X <u> </u>
County(ies)	—	—	<u> </u> X <u> </u>
Groundwater Conservation District(s)	<u> </u> Edwards Aquifer Authority <u> </u> Barton Springs/ Edwards Aquifer <u> </u> Hays Trinity <u> </u> Plum Creek	<u> </u> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<u> </u> Austin <u> </u> Buda <u> </u> Dripping Springs <u> </u> Kyle <u> </u> Mountain City <u> </u> San Marcos <u> </u> Wimberley <u> </u> Woodcreek	<u> </u> Austin <u> </u> Bee Cave <u> </u> Pflugerville <u> </u> Rollingwood <u> </u> Round Rock <u> </u> Sunset Valley <u> </u> West Lake Hills	<u> </u> Austin <u> </u> x Cedar Park <u> </u> Florence <u> </u> Georgetown <u> </u> Jerrell <u> </u> Leander <u> </u> Liberty Hill <u> </u> Pflugerville <u> </u> Round Rock

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	—	—	—	—	—
Region (1 req.)	—	—	—	—	—
County(ies)	—	—	—	—	—
Groundwater Conservation District(s)	<u> </u> Edwards Aquifer Authority <u> </u> Trinity-Glen Rose	<u> </u> Edwards Aquifer Authority	<u> </u> Kinney	<u> </u> EAA <u> </u> Medina	<u> </u> EAA <u> </u> Uvalde
City(ies) Jurisdiction	<u> </u> Castle Hills <u> </u> Fair Oaks Ranch <u> </u> Helotes <u> </u> Hill Country Village <u> </u> Hollywood Park <u> </u> San Antonio (SAWS) <u> </u> Shavano Park	<u> </u> Bulverde <u> </u> Fair Oaks Ranch <u> </u> Garden Ridge <u> </u> New Braunfels <u> </u> Schertz	NA	<u> </u> San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.

Ryan Schubert P.E.

Print Name of Customer/Authorized Agent



1/23/24

Signature of Customer/Authorized Agent

Date

FOR TCEQ INTERNAL USE ONLY			
Date(s) Reviewed:		Date Administratively Complete:	
Received From:		Correct Number of Copies:	
Received By:		Distribution Date:	
EAPP File Number:		Complex:	
Admin. Review(s) (No.):		No. AR Rounds:	
Delinquent Fees (Y/N):		Review Time Spent:	
Lat./Long. Verified:		SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):			Signed (Y/N):
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):

***SECTION 2:
CONTRIBUTING ZONE
EXCEPTION REQUEST***

Contributing Zone Exception Request Form

Texas Commission on Environmental Quality

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Contributing Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Ryan Schubert P.E.

Date: January 24, 2024

Signature of Customer/Agent:



Regulated Entity Name: Toro Grande – TxDOT 1431 Entrance

Project Information

1. County: Williamson
2. Stream Basin: Brazos River Basin
3. Groundwater Conservation District (if applicable): N/A
4. Customer (Applicant):

Contact Person: Venkat Gudapuri

Entity: Vasda Development LLC

Mailing Address: 3109 Kenai Dr, Ste 109

City, State: Cedar Park, TX

Telephone: 512-590-4165

Email Address: vgudapuri@gmail.com

Zip: 78613

Fax: N/A

5. Agent/Representative (If any):

Contact Person: Ryan Schubert P.E.

Entity: Kimley-Horn and Associates, Inc

Mailing Address: 10814 Jollyville Road, Campus IV Suite 200

City, State: Austin, TX

Zip: 78759

Telephone: 512 551-1846

Fax: N/A

Email Address: Ryan.Schubert@Kimley-Horn.com

6. Project Location

This project is inside the city limits of Cedar Park.

This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.

This project is not located within any city limits or ETJ.

7. The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

Northwest corner of 1431 and Toro Grande Blvd. Cedar Park, Tx 78613

8. **Attachment A - Road Map.** A road map showing directions to and location of the project site is attached. The map clearly shows the boundary of the project site.

9. **Attachment B - USGS Quadrangle Map.** A copy of the USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) should clearly show:

Project site boundaries.

USGS Quadrangle Name(s).

10. **Attachment C - Project Narrative.** A detailed narrative description of the proposed project is provided at the end of this form. The project description is consistent throughout the application and contains, at a minimum, the following details:

Area of the site

Offsite areas

Impervious cover

Permanent BMP(s)

Proposed site use

Site history

Previous development

Area(s) to be demolished

11. Existing project site conditions are noted below:

Existing commercial site

Existing industrial site

Existing residential site

Existing paved and/or unpaved roads

- Undeveloped (Cleared)
- Undeveloped (Undisturbed/Not cleared)
- Other: _____

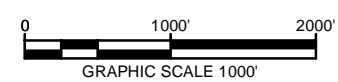
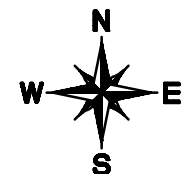
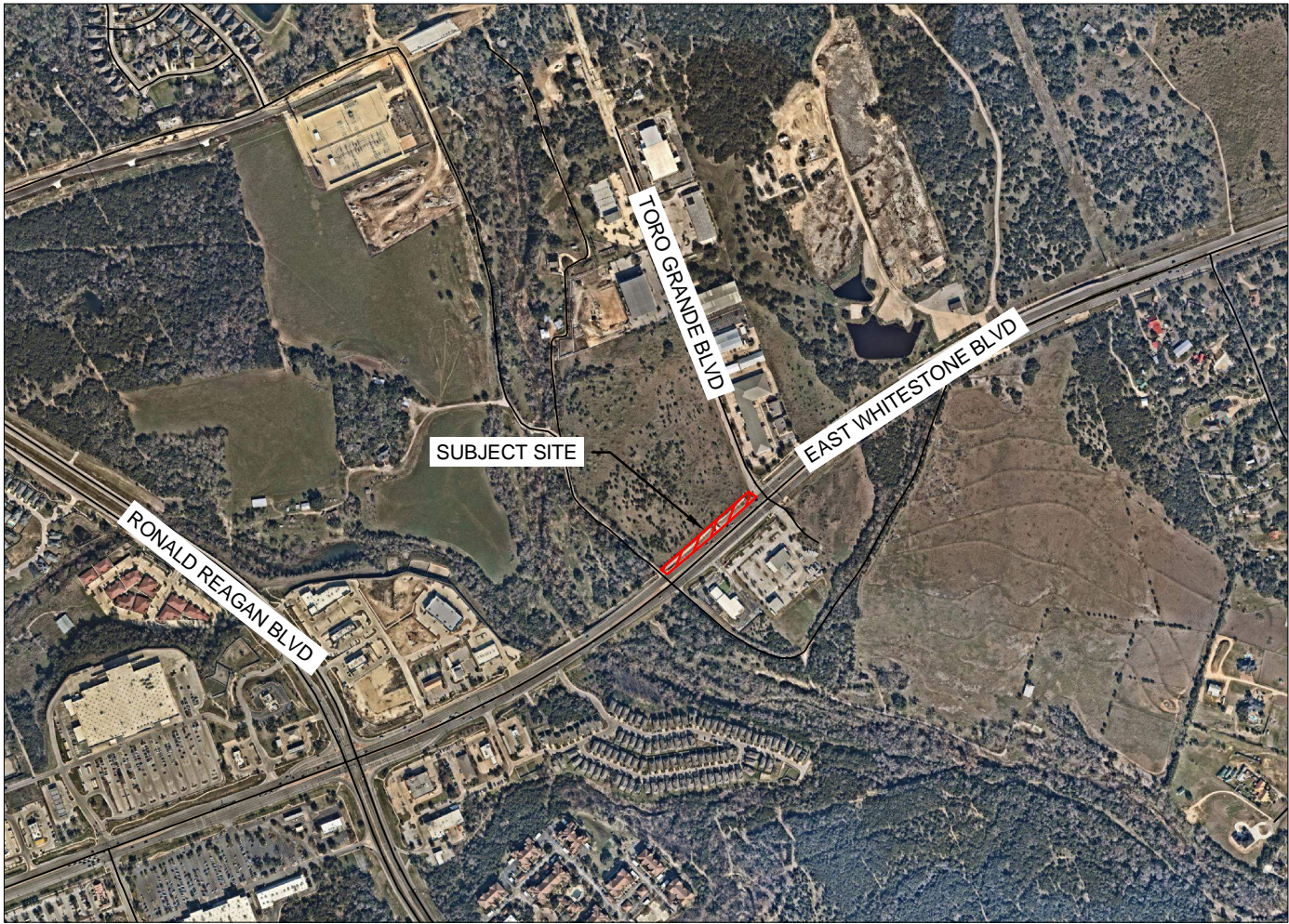
- 12. **Attachment D - Nature Of Exception.** A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter B for which an exception is being requested have been identified in the description.
- 13. **Attachment E - Equivalent Water Quality Protection.** Documentation demonstrating equivalent water quality protection for surface streams which enter the Edwards Aquifer is attached.

Administrative Information

- 14. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions.
- 15. The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

069274414 – Click here to enter text.
CONTRIBUTING ZONE PLAN

ROAD MAP



DIRECTIONS FROM TCEQ HEADQUARTERS TO PROJECT SITE:

1. HEAD SOUTH ON PARK 35 CIRCLE, TURNING RIGHT ONTO IH-35 FRONTAGE ROAD
2. TURN LEFT ONTO E BRAKER LANE AND THEN LEFT ONTO NORTH IH-35
3. EXIT TOWARD RANCH RD 1431
4. TURN LEFT ONTO WEST RANCH ROAD 1431
5. DRIVE ABOUT 5 1/8 MILES - DESTINATION ON RIGHT

CAMERON, CHRIS 1/19/2024 11:13 AM
 C:\GIS\CIVIL\08927414-TORO GRADE - 1431 ACCESS\CAD\EXHIBITS\PLANSHEETS\20220821 - LOCATION_MAP.DWG
 1/19/2024 11:07 AM

PLOTTED BY
 DWG NAME
 LAST SAVED

1431 Access Location Map

Cedar Park, Texas
 January 2024

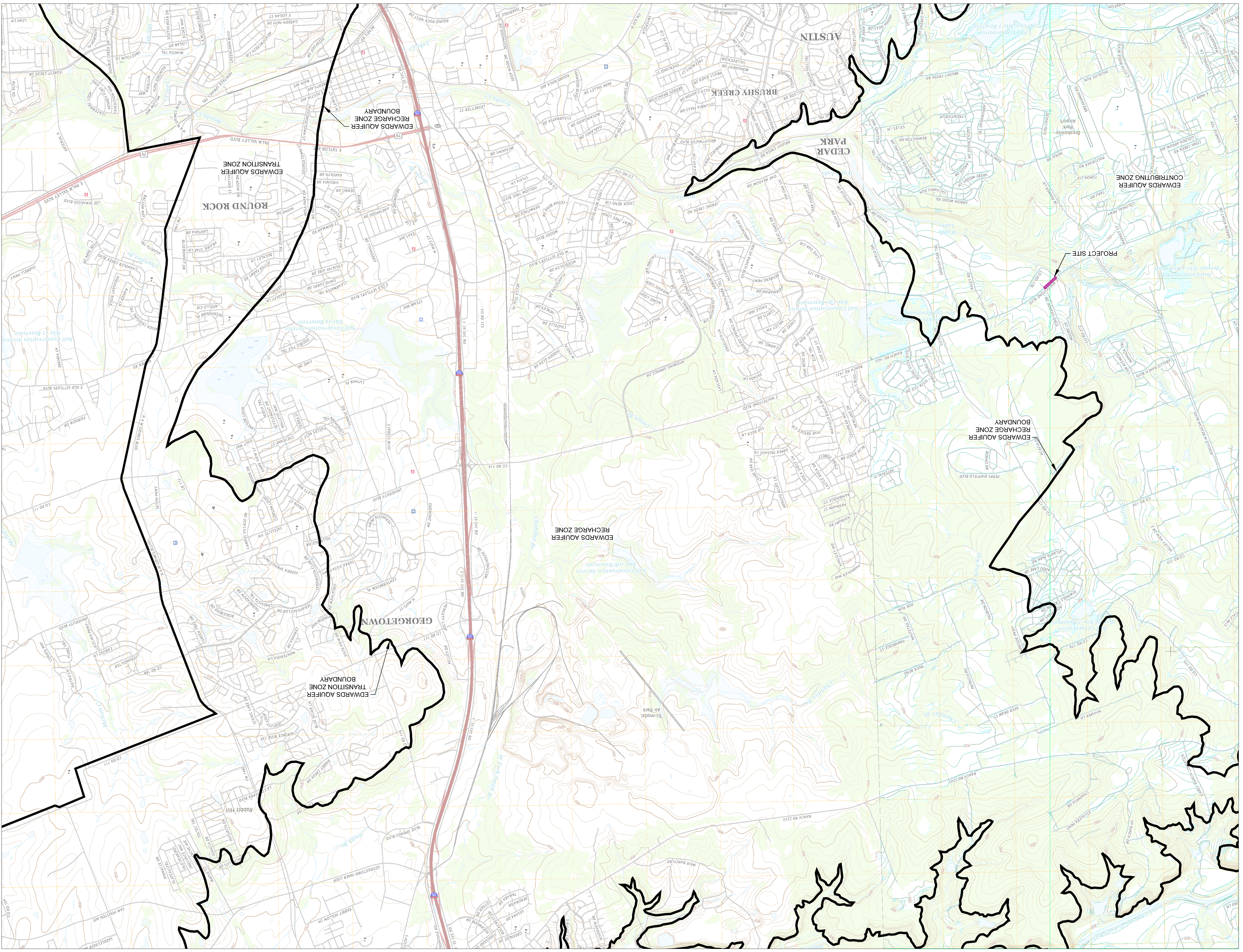


10814 Jollyville Road
 Campus IV, Suite 200
 Austin, TX 78759
 512-418-1771
 State of Texas Registration No. F-928

NOTE: THIS PLAN IS CONCEPTUAL IN NATURE AND HAS BEEN PRODUCED WITHOUT THE BENEFIT OF A SURVEY. TOPOGRAPHY, UTILITIES, CONTACT WITH THE CITY, ETC.

069274414 – [Click here to enter text.](#)
CONTRIBUTING ZONE PLAN

USGS QUADRANGLE MAP



1431 ACCESS
 CITY OF CEDAR PARK
 WILLIAMSON COUNTY, TEXAS

**USGS ROUND ROCK
 QUADRANGLE/
 EDWARDS
 CONTRIBUTING ZONE
 MAP**

KHA PROJECT	069405700
DATE	NOVEMBER 2022
SCALE: AS SHOWN	
DESIGNED BY:	RPS
DRAWN BY:	RPS
CHECKED BY:	JJK

Kimley»Horn
 10814 JOLIETT ROAD AVALLON IV SUITE 200 AUSTIN, TX
 PHONE: 512-418-1771 FAX: 512-418-1791
 C 2019 KIMLEY-HORN AND ASSOCIATES, INC.
 TBP# Firm No. 928

No.	REVISIONS	DATE	BY

PROJECT NARRATIVE

Introduction

The subject site is approximately 0.42 acres of existing TxDOT right-of-way (ROW) along WB RM1431 in Cedar Park, TX. Existing conditions within the ROW include a 5' sidewalk, concrete lined open drainage channel, an existing rural access driveway, and miscellaneous City and State signs. Our proposed improvements add a 12' right-turn lane and commercial access driveway with associated drainage upgrades. Land abutting the proposed limits of construction consist of 2 undeveloped commercial tracts which are owned by Vasda Developers LLC. No improvements are proposed on either tract at this time and both are located within the full purpose limits of the City of Cedar Park in Williamson County, Texas.

No portion of this site is located in the Federal Emergency Management Agency's 100-year floodplain per the Flood Insurance Rate Map 48491C0470F dated December 20, 2019 for Williamson County, Texas. No floodplain modifications are proposed. Additionally, the site is located within the Edwards Aquifer Contributing Zone.

Current Tract Conditions

Legal Description

Legal descriptions of the abutting tracts are described as AW0015 AW0015 - Anderson, W. Sur., ACRES 13.4621 & AW0015 ANDERSON, W. SUR., ACRES 6.00

Land Use

The subject site lies along a portion of RM1431 which has 200' of established ROW as outlined in TxDOT plans CSJ 1378-02-036. In existing conditions there are 6 total travel lanes (3 each direction), 2 eastbound turn lanes (1 left turn and 1 right turn), a striped median lane, and a raised median. 43.5' remain after the back-of-curb which contains a 5' sidewalk and concrete lined drainage channel before the ROW terminates.

Existing Drainage Conditions

Runoff originates east of the subject site from a mix of developed commercial tracts and undeveloped land. Impervious cover within the overall drainage area accounts for roughly 24% of total area. Flows generally travel northeast to southwest as sheet or shallow concentrated flow not exceeding 2% slope before entering a TxDOT drainage channel running along WB RM1431. This channel runs east of the subject site for the length of RM1431 at an average slope of 2% and excludes runoff from the surface of RM1431 and south of the roadway. The channel discharges into Brushy Creek which is the ultimate point of confluence for all storm runoff in the area.

Proposed Development

The proposed development includes construction of a 270' right-hand turn lane and commercial right-in-right-out driveway with associated improvements to include +/-55 LF of drainage culvert, +/- 200 LF of concrete lined channel, buried 24" RCP pipe, pavement markings, and signage. Proposed flow conditions will not exceed existing conditions. All drainage conveyance measures are designed to TxDOT standards and located within TxDOT ROW. A total of 2,613 SF new impervious cover is proposed.

NATURE OF EXCEPTION

The Toro Grande – TxDOT 1431 Entrance exception request is being submitted for approval of 0.06-Ac new impervious cover. All proposed improvements will be fully constructed within TxDOT ROW as approved and constructed per TxDOT plans CSJ 1378-02-036. These improvements are unrelated to any existing or proposed private site development and are located fully within TxDOT controlled area. While RM1431 constitutes a “larger common plan of development” these improvements are existing and the net new impervious cover of 0.06-Ac falls below the 5-Ac development threshold. Additionally, the location and type of net impervious cover being added renders upstream permanent BMPs ineffective since the proposed impervious cover will be located within an existing drainage channel.

EQUIVALENT WATER QUALITY PROTECTION

The Toro Grande – TxDOT 1431 Entrance exception request is being submitted for approval of 0.06-Ac new impervious cover. All proposed improvements will be fully constructed within TxDOT ROW as approved and constructed per TxDOT plans CSJ 1378-02-036. These improvements are unrelated to any existing or proposed private site development and are located fully within TxDOT controlled area. While RM1431 constitutes a “larger common plan of development” these improvements are existing and the net new impervious cover of 0.06-Ac falls below the 5-Ac development threshold. Additionally, the location and type of net impervious cover being added renders upstream permanent BMPs ineffective since the proposed impervious cover will be located within an existing drainage channel.

***SECTION 3:
TEMPORARY STORMWATER SECTION***

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: Ryan Schubert, P.E.

Date: January 24, 2024

Signature of Customer/Agent:



Regulated Entity Name: Toro Grande – TxDOT 1431 Entrance

Project Information

Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

1. Fuels for construction equipment and hazardous substances which will be used during construction:

The following fuels and/or hazardous substances will be stored on the site: _____

These fuels and/or hazardous substances will be stored in:

Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.

- Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- Fuels and hazardous substances will not be stored on the site.
- 2. **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

- 5. **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Brushy Creek

Temporary Best Management Practices (TBMPs)

Erosion control examples: tree protection, interceptor swales, level spreaders, outlet stabilization, blankets or matting, mulch, and sod. Sediment control examples: stabilized construction exit, silt fence, filter dikes, rock berms, buffer strips, sediment traps, and sediment basins. Please refer to the Technical Guidance Manual for guidelines and specifications. All structural BMPs must be shown on the site plan.

- 7. **Attachment D – Temporary Best Management Practices and Measures.** TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:
 - A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.

- A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
 - A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
 - A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8. The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
- Attachment E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
 - There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. **Attachment F - Structural Practices.** A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
10. **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.
 - There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information

must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.

- N/A
12. **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15. Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

Examples: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, or preservation of mature vegetation.

17. **Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices.** A schedule of the interim and permanent soil stabilization practices for the site is attached.
18. Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
19. Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.

21. If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
22. Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

Spill Response Actions

If there is an accidental spill on site, the contractor shall respond with appropriate action. The contractor will be required to contact the owner and in turn the owner will contact the TCEQ in the event of a spill on site. In addition to the following guidance, reference the latest version of TCEQ's Technical Guidance Manual (TGM) RG-348 Section 1.4.16 or online resource at [Spills: Reportable Quantities - Texas Commission on Environmental Quality - www.tceq.texas.gov](http://www.tceq.texas.gov).

Cleanup

- Clean up leaks and spills immediately.
- Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.
- Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

Minor Spills

- Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.
- Use absorbent materials on small spills rather than hosing down or burying the spill.
- Absorbent materials should be promptly removed and disposed of properly.
- Follow the practice below for a minor spill:
 - Contain the spread of the spill.
 - Recover spilled materials.
 - Clean the contaminated area and properly dispose of contaminated materials.

Semi-Significant Spills

Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities.

Spills should be cleaned up immediately:

- Contain spread of the spill.
- Notify the project foreman immediately.
- If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

- Notify the TCEQ by telephone as soon as possible and within 24 hours at (512)339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.
- Notification should first be made by telephone and followed up with a written report.
- The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- Other agencies which may need to be consulted include, but not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

Potential Sources of Contamination

Potential Source: Oil, grease, fuel, and hydraulic fluid contamination from construction equipment and vehicle dripping.

Preventative Measures: Vehicle maintenance will be performed within the construction staging area or a local maintenance shop.

Potential Source: Miscellaneous trash and litter from construction workers and material wrappings.

Preventative Measures: Trash containers will be placed throughout the site to encourage proper disposal of trash.

Potential Source: Silt leaving the site.

Preventative Measures: Contractor will install all temporary best management practices prior to start of construction including the stabilized construction entrance to prevent tracking onto adjoining streets.

Potential Source: Construction Debris.

Preventative Measures: Construction debris will be monitored daily by contractor. Debris will be collected weekly and placed in disposal bins. Situations requiring immediate attention will be addressed on a case by case basis.

Potential Source: Soil and Mud from Construction Vehicle tires as they leave the site.

Preventative Measures: A stabilized construction exit shall be utilized as vehicles leave the site. Any soil, mud, etc. carried from the project onto public roads shall be cleaned up within 24 hours.

Potential Source: Sediment from soil, sand, gravel and excavated materials stock piled on site.

Preventative Measures: Silt fence shall be installed on the down gradient side of the stock piled materials. Reinforced rock berms shall be installed at all downstream discharge locations.

Potential Source: Portable toilet spill.

Preventative Measures: Toilets on the site will be emptied on a regular basis by the contracted toilet company.

Sequence of Major Activities

The installation of erosion and sedimentation controls shall occur prior to any excavation of materials or major disturbances on the site. The sequence of major construction activities will be as follows. Approximate acreage to be disturbed is listed in parentheses next to each activity.

Intended Schedule or Sequence of Major Activities:

1. Construct Access (0.05 Acres)
2. Installation of Temporary BMPs (0.42 Acres)
3. Initiate Grubbing and Topsoil Stripping of Site (0.42 Acres)
4. Rough Subgrade Preparation (earthwork, grading, street and drainage excavation and embankment) (0.42 Acres)
5. Wet and Dry Utility Construction (0.42 Acres)
6. Final Subgrade Preparation (0.42 Acres)
7. Installation of Base Materials (0.42 Acres)
8. Concrete (foundations, curbs, flatwork) (0.42 Acres)
9. Building Construction (0.42 Acres)
10. Paving Activities (0.42 Acres)
11. Topsoil, Irrigation and Landscaping (0.42 Acres)
12. Site cleanup and Removal of Temporary BMPs (0.42 Acres)

Maximum total construction time is not expected to exceed 36 months.

Temporary Best Management Practices and Measures

- A. Temporary BMPs will be installed prior to soil disturbing construction activity. Silt fencing will be placed along the down-gradient sides of the property to prevent silt from escaping the construction area. A temporary construction entrance will be placed on site to reduce vehicle “tracking” onto adjoining streets. A concrete washout pit will be used to collect all excess concrete during construction.

BMPs for this project will protect surface water or groundwater from turbid water, phosphorus, sediment, oil, and other contaminants, which may mobilize in storm water flows by slowing the flow of runoff to allow sediment and suspended solids to settle out of the runoff.

Practices may also be implemented on site for interim and permanent stabilization. Stabilization practices may include but are not limited to: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation, and other similar measures.

- B. The temporary onsite BMPs will be used to treat stormwater runoff before it leaves the project and prevent pollutants from entering into surface streams or any sensitive features down-gradient of the site.

Request To Temporarily Seal a Feature

Naturally-occurring features will not be sealed on the site.

Structural Practices

Structural BMPs will be used to limit runoff discharge of pollutants from exposed areas of the site. BMPs will be installed prior to soil disturbing construction activity. Silt fencing will be placed along the down-gradient sides of the property to prevent silt from escaping the construction area. A temporary construction entrance will be placed at the site entry/exit point to reduce tracking onto adjoining streets. A construction staging area will be used onsite to perform all vehicle maintenance and for equipment and material storage. A concrete truck washout pit will be placed on site to provide containment and easier cleanup of waste from concrete operations. The location of all structural temporary BMP's are shown on the erosion control plan sheet and details and specifications are provided on the erosion control details sheet which can be found at the end of this report under Section 8.

Description of Temporary BMPs

Temporary Construction Entrance/Exit

The purpose of a temporary gravel construction entrance is to provide a stable entrance/exit condition from the construction site and keep mud and sediment off public roads. A stabilized construction entrance is a stabilized pad of crushed stone located at any point traffic will be entering or leaving the construction site from a public right-of-way, street, alley, sidewalk or parking area. The purpose of a stabilized construction entrance is to reduce or eliminate the tracking or flowing of sediment onto public rights-of-way. This practice should be used at all points of construction ingress and egress.

Excessive amounts of mud can also present a safety hazard to roadway users. To minimize the amount of sediment loss to nearby roads, access to the construction site should be limited to as few points as possible and vegetation around the perimeter should be protected were access is not necessary. A rock stabilized construction entrance should be used at all designated access points.

Silt Fence

The purpose of a silt fence is to intercept and detain water-borne sediment from unprotected areas of a limited extent. Silt fence is used during the period of construction near the perimeter of a disturbed area to intercept sediment while allowing water to percolate through. This fence should remain in place until the disturbed area is permanently stabilized. Silt fence should not be used where there is a concentration of water in a channel or drainage way. If concentrated flow occurs after installation, corrective action must be taken such as placing a rock berm in the areas of concentrated flow.

Silt fencing within the site may be temporarily moved during the day to allow construction activity provided it is replaced and properly anchored to the ground at the end of the day. Silt fences on the perimeter of the site or around drainage ways should not be moved at any time.

Concrete Washout Area

The purpose of concrete washout areas is to prevent or reduce the discharge of pollutants to stormwater from concrete waste by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors.

The following steps will help reduce stormwater pollution from concrete wastes:

- Incorporate requirements for concrete waste management into material supplier and subcontractor agreements.
- Avoid mixing excess amounts of fresh concrete.
- Perform washout of concrete trucks in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped onsite, except in designated areas.
- For onsite washout:

- Locate washout area at least 50 feet from sensitive features, storm drains, open ditches, or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly.

Below grade concrete washout facilities are typical. These consist of a lined excavation sufficiently large to hold expected volume of washout material. Above grade facilities are used if excavation is not practical. Temporary concrete washout facility (type above grade) should be constructed as shown on the details at the end of this section, with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. Plastic lining material should be a minimum of 10 mil in polyethylene sheeting and should be free of holes, tears, or other defects that compromise the impermeability of the material.

When temporary concrete washout facilities are no longer required for the work, the hardened concrete should be removed and disposed of. Materials used to construct temporary concrete washout facilities should be removed from the site of the work and disposed of. Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities should be backfilled and repaired.

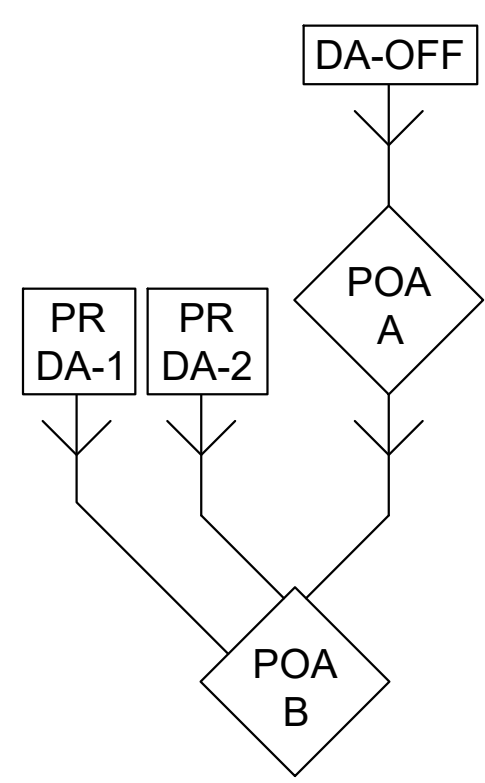
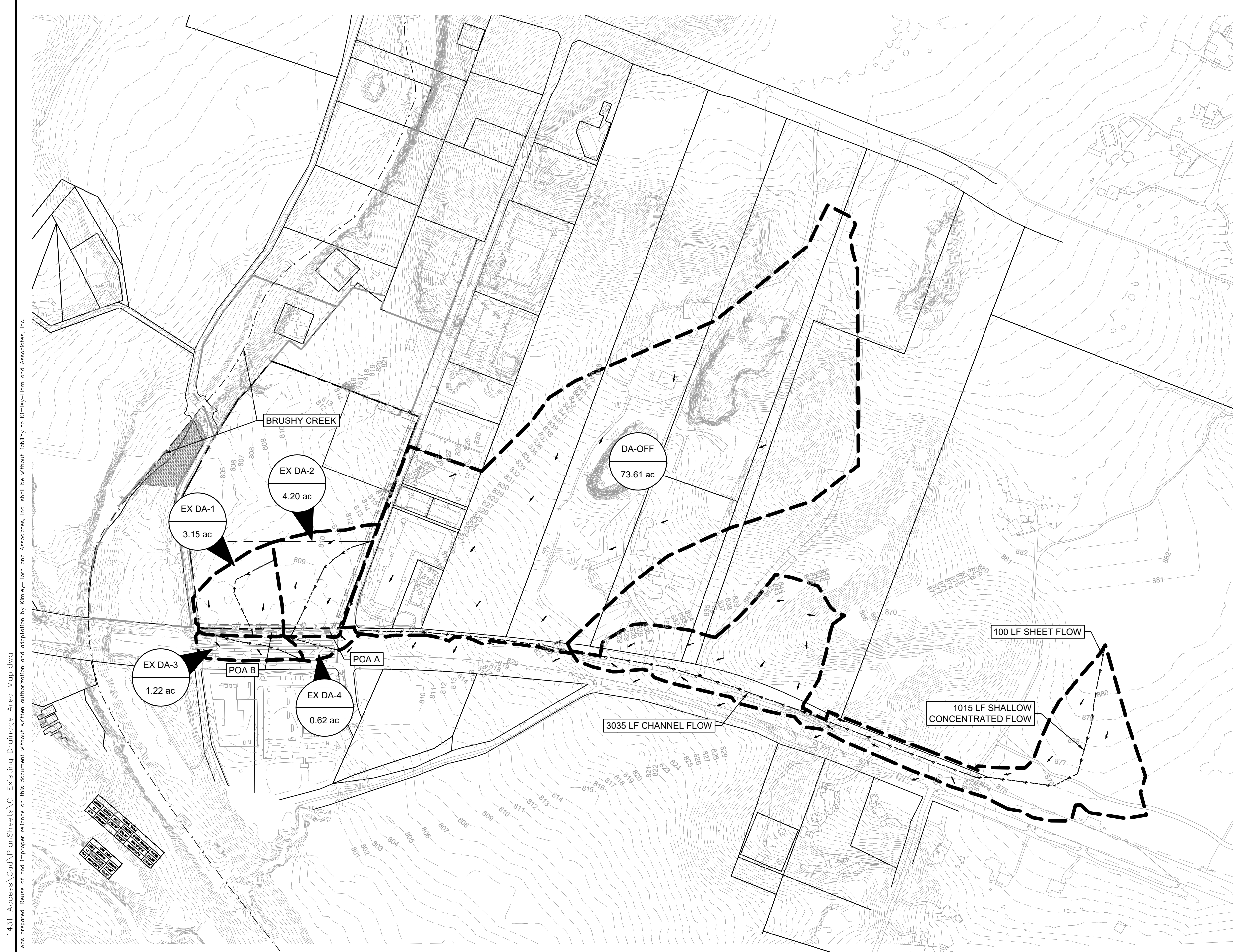
Inlet Protection

In developments for which drainage is to be conveyed by underground storm sewers (i.e., streets with curbs and gutters), all inlets that may receive storm runoff from disturbed areas should be protected. Temporary inlet protection is a series of different measures that provide protection against silt transport or accumulation in storm sewer systems. This clogging can greatly reduce or completely stop the flow in the pipes. The different measures are used for different site conditions and inlet types.

Rock Berm

The purpose of a rock berm is to serve as a check dam in areas of concentrated flow, to intercept sediment-laden runoff, detain the sediment and release the water in sheet flow. The rock berm should be used when the contributing drainage area is less than 5 acres. Rock berms are used in areas where the volume of runoff is too great for a silt fence to contain. They are less effective for sediment removal than silt fences, particularly for fine particles, but are able to withstand higher flows than a silt fence. As such, rock berms are often used in areas of channel flows (ditches, gullies, etc.). Rock berms are most effective at reducing bed load in channels and should not be substituted for other erosion and sediment control measures further up the watershed.

Drainage Area Map



LEGEND

- Area Designator: X-1 (9.9 ac)
- Area in Acres: 9.9 ac
- Existing Storm Drain Line: Dashed line
- Proposed Storm Drain Line: Solid line
- Proposed Flow Direction: Arrow
- Existing Major Contour: Dashed line with 'XXX'
- Existing Minor Contour: Dotted line with 'XXX'
- Proposed Major Contour: Solid line with 'XXX'
- Proposed Minor Contour: Dotted line with 'XXX'
- Time of Concentration Path: Dashed line

Toro Grande - Existing Conditions
DRAINAGE CALCULATIONS - SCS METHOD - EXISTING

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (%)	WEIGHTED CURVE NUMBER (CN)	SHEET FLOW			SHALLOW CONCENTRATED FLOW				CHANNEL FLOW							TOTAL Tc ^c (min)	Q ₂ (cfs)	Q ₅ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₅₀ (cfs)	Q ₁₀₀ (cfs)					
						N	L (ft)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	a (ft ²)	Pw (ft)	r	n								ELEV 1	ELEV 2	S (ft/ft)	Tt (min)	
EX DA-1	137294.34	3.15	11954.99	8.7%	81.57	0.150	100.000	0.011	11.19	401	0.95	0.003	7.01	0.000	-	-	-	0.015	-	-	-	-	-	-	18.20	5.78	8.13	10.82	14.94	18.48	22.67
EX DA-2	182775.65	4.20	9503.24	5.2%	80.94	0.150	100.000	0.020	8.81	513	1.87	0.013	4.57	0.000	-	-	-	0.015	-	-	-	-	-	-	13.38	8.31	11.76	15.70	21.75	26.94	33.09
EX DA-3	52943.12	1.22	52943.12	100.0%	98.00	0.015	100.000	0.020	1.40	328	0.85	0.003	6.47	0.000	-	-	-	0.015	-	-	-	-	-	-	10.00	3.98	5.02	6.18	7.95	9.47	11.28
EX DA-4	26902.57	0.62	26902.57	100.0%	98.00	0.016	100.000	0.021	1.44	133	2.38	0.022	0.93	0.000	-	-	-	0.015	-	-	-	-	-	-	10.00	2.02	2.55	3.14	4.04	4.81	5.73
DA-OFF	3206625.84	73.61	748456.40	23.3%	84.20	0.150	100.000	0.005	15.34	1015	1.33	0.007	12.71	3035.214	13.51	17.70	19.20	0.92	0.015	872.80	810.0	0.021	-	-	37.65	109.33	150.31	196.62	267.67	328.46	400.45

*Per TXDOT Drainage Criteria Manual, minimum Tc = 10 min

EXISTING CONDITIONS

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (AC)	IMPERVIOUS COVER (%)	RUNOFF COEFFICIENT (CN 1)	RUNOFF COEFFICIENT (CN 2)	WEIGHTED CURVE NUMBER (CN)
EX DA-1	137294.34	3.15	11954.99	0.27	8.71%	98.00	80.00	81.57
EX DA-2	182775.65	4.20	9503.24	0.22	5.20%	98.00	80.00	80.94
EX DA-3	52943.12	1.22	52943.12	1.22	100.00%	98.00	80.00	98.00
EX DA-4	26902.57	0.62	26902.57	0.62	100.00%	98.00	80.00	98.00
DA-OFF	3206625.84	73.61	748456.40	17.18	23.34%	98.00	80.00	84.20

	Q ₂	Q ₅	Q ₁₀	Q ₂₅	Q ₅₀	Q ₁₀₀
POA A	109.33	150.31	196.62	267.67	328.46	400.45
POA B	117.84	162.54	213.12	290.27	356.17	434.22

NOTE:

- DRAINAGE PATTERNS AND FLOWS ARE ANALYZED UNDER PREDEVELOPMENT CONDITIONS. FLOWS ARE CALCULATED USING ATLAS-14 AND ASSUME NO PRIVATE SITE IMPROVEMENT. IMPERVIOUS COVER IS PRESENT AS APPROVED UNDER SD-04-00001.
- DRAINAGE AREAS ARE DRAWN BASED ON CSJ 1378-02-036 AND SD-04-00001 TO ANALYZE EXISTING FLOWS THAT THE CULVERT SOUTH OF SITE AT 1431 AND TORO GRANDE IS CURRENTLY DESIGNED TO CONVEY.
- DRAINAGE FROM SD-04-00001 DEVELOPMENT IS RELEASED FROM DETENTION AND WATER QUALITY PONDS. THIS DRAINAGE RELEASE TRAVELS ACROSS A PORTION OF THE SUBDIVIDED SITE AFTER OUTFALLING FROM A CONCRETE HEADWALL WITH ONE 24" AND TWO 36" CULVERTS. DRAINAGE CALCULATIONS FOR SD-13-00005 ARE UNALTERED AS TAKEN FROM THE APPROVED PLAN SET. CALCULATIONS ARE PRE-ATLAS 14.
- DRAINAGE FROM SD-04-00001 DEVELOPMENT WAS RE-ANALYZED UNDER EXISTING CONDITIONS IN PRE-DEVELOPMENT CONDITIONS USING ATLAS 14 RAINFALL DATA. APPROVED VALUES FROM SD-04-00001 ARE NOT USED.
- CEDAR PARK ATLAS 14 RAINFALL DEPTH DATA USED FOR CALCULATIONS PERFORMED TO ANALYZE EXISTING CONDITION FLOWS OUTSIDE OF THE DEVELOPED SITES NOTED ON THIS PAGE.
- ENGINEER HAS ANALYZED HYDROLOGIC CONDITIONS OF THE SITE. PROPOSED DEVELOPMENT DOES NOT ADVERSELY AFFECT ANY DOWNSTREAM PROPERTIES.

BENCHMARKS

TM#51 (CUT SQUARE IN TOP OF HEADWALL)
NORTHING=10168557.71'
EASTING=3101715.60'
ELEVATION=809.32'

TM#52 (CUT SQUARE IN CONCRETE)
NORTHING=10168423.13'
EASTING=3101219.31'
ELEVATION=802.56'



WARNING: CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

Plotted By: Marahall, Griffin Date: January 16, 2024 11:17:02am File Path: K:\AUS-Civil\069274414-Toro Grande - 1431 - Access\Gad\PlanSheets\C-Existing Drainage Area Map.dwg

No.	REVISIONS	DATE	BY

Kimley-Horn

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TEXAS REGISTERED ENGINEERING FIRM F-998

01/16/2024

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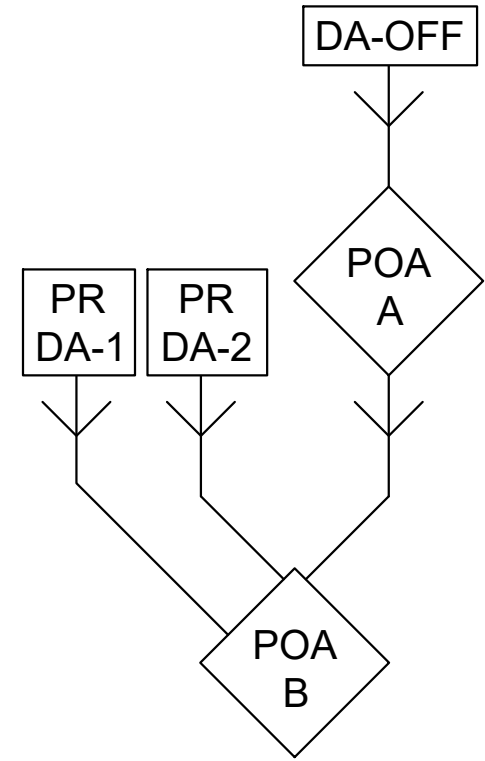
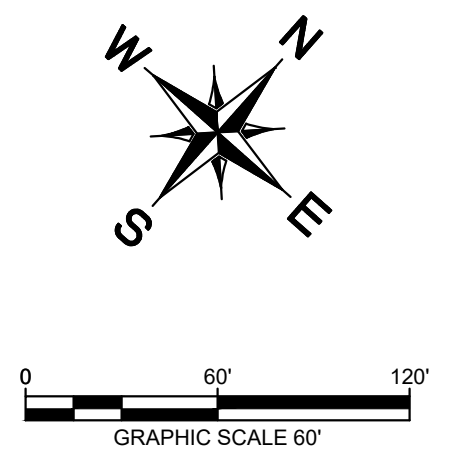
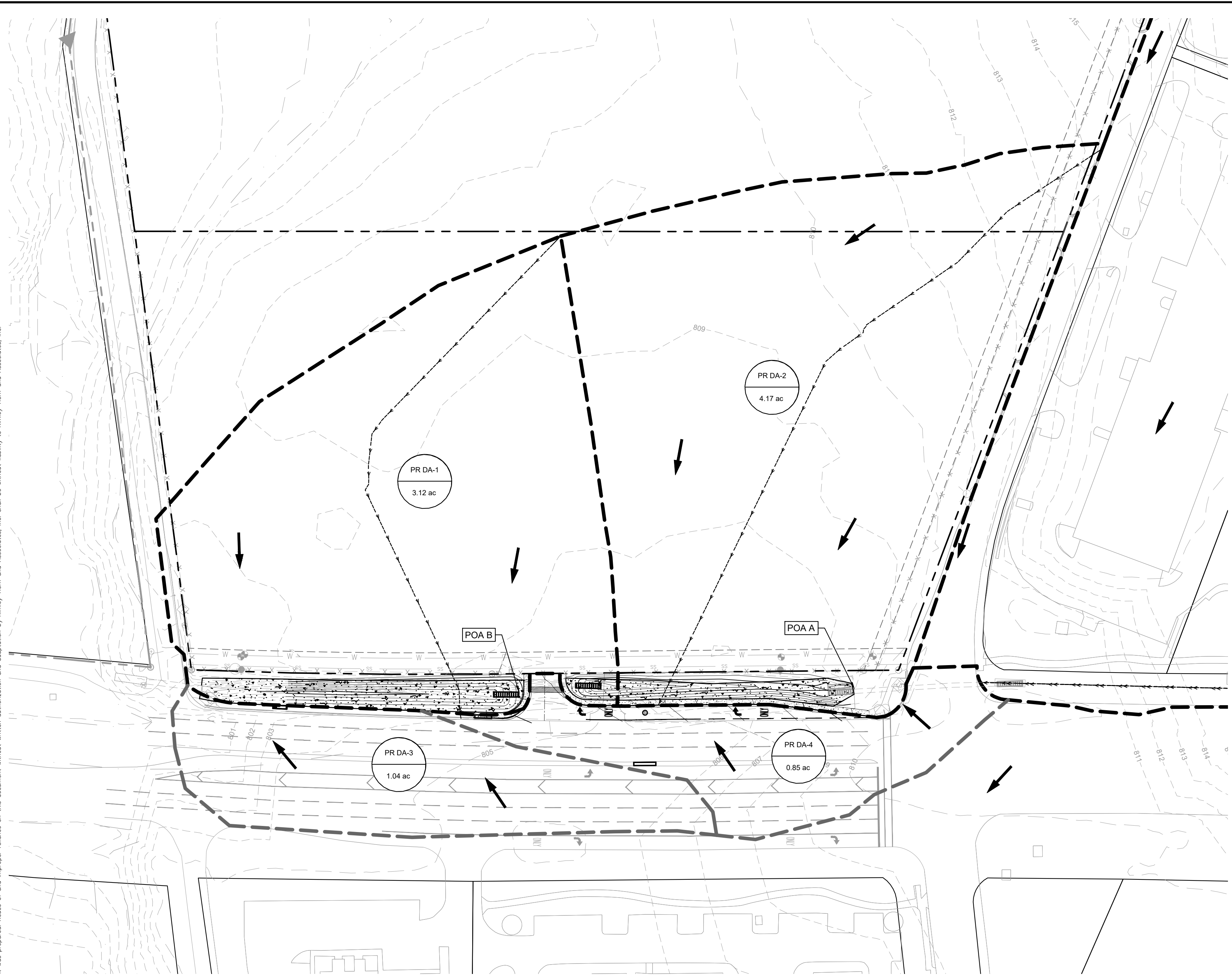
Kimley-Horn
Engineer: RYAN P. SCHUBERT
P.E. No. 145714 Date: 1/23

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
069274414	JANUARY 2024	AS SHOWN	XXX	XXX	XXX

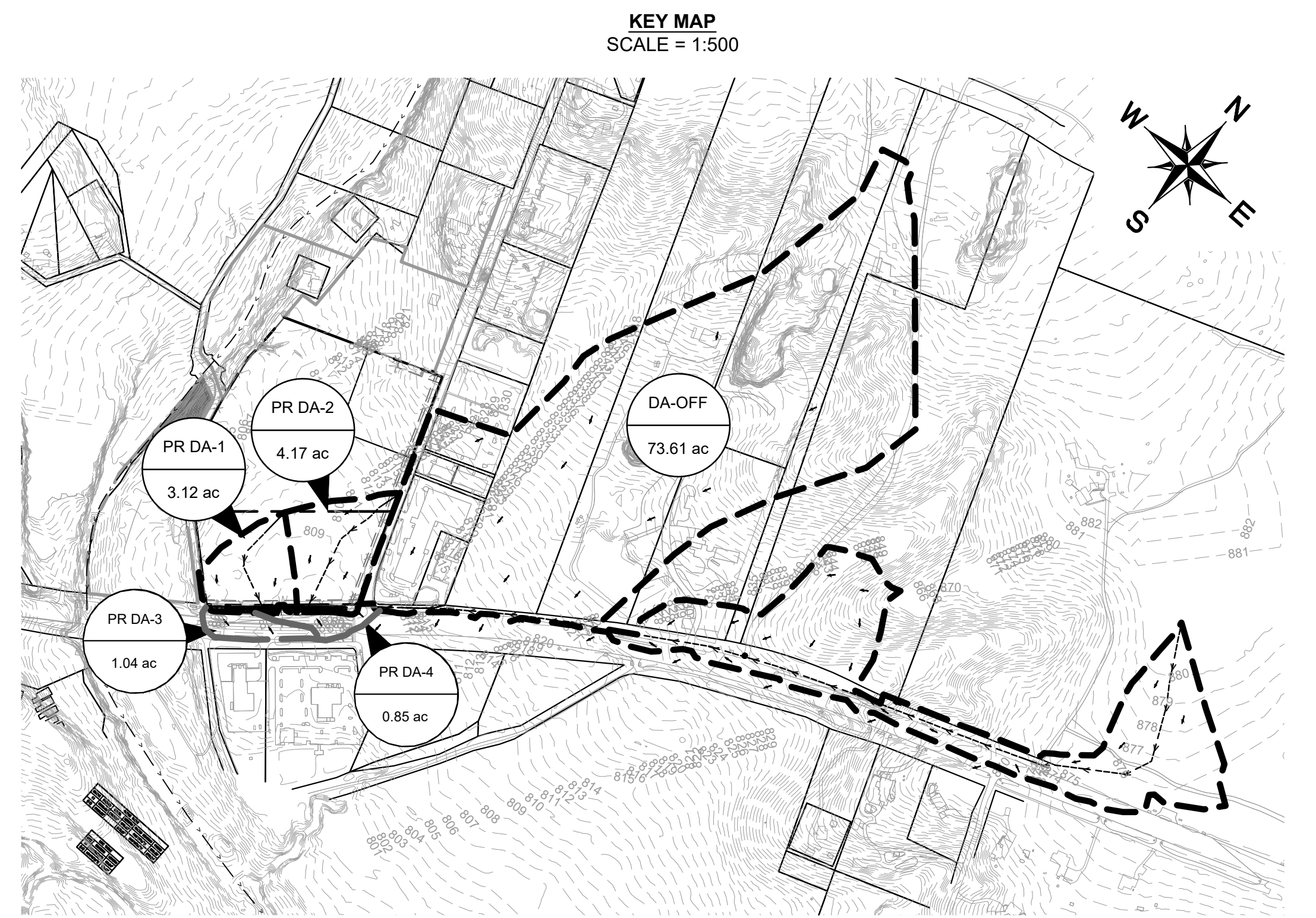
EXISTING DRAINAGE AREA MAP

**TORO GRANDE BLVD
TXDOT DRIVEWAY
CITY OF CEDAR PARK
WILLIAMSON COUNTY, TEXAS**

Plotted By: Hudson, Audrey Date: January 11, 2024 12:10:03pm File Path: K:\Users\cmh\06927414--toro_grande--1431_access\Cad\Drawings\C-Proposed_Drainage_Area_Map.dwg
 This document, together with the concepts and design presented herein, is intended only for the specific purpose and client for which it was prepared. Release of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND	
$\frac{x-1}{9.9 \text{ ac}}$	AREA DESIGNATOR
---	EXISTING STORM DRAIN LINE
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	TIME OF CONCENTRATION PATH
---	PROPOSED DRAINAGE DIVIDE
---	PROPOSED FLOW DIRECTION



Toro Grande - Proposed Conditions

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (%)	WEIGHTED CURVE NUMBER (CN)	SHEET FLOW				SHALLOW CONCENTRATED FLOW				CHANNEL FLOW								TOTAL Tc (min)	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)			
						P-2yr/24hr		3.96 IN		Channel Flow 1		Channel Flow 1		Channel Flow 1															
						N	L (ft)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	a (ft ²)	Pw (ft)	r	n	ELEV 1	ELEV 2						S (ft/ft)	Tt (min)	
PR DA-1	136947.25	3.14	11802.14	8.6%	81.55	0.150	100.000	0.011	11.19	401	0.95	0.003	7.01	0.000	-	-	-	-	0.015	-	-	-	-	0.00	18.20	5.75	11.84	16.94	25.26
PR DA-2	181807.53	4.17	10114.93	5.6%	81.00	0.150	100.000	0.020	8.81	513	1.87	0.013	4.57	0.000	-	-	-	-	0.015	-	-	-	-	0.00	13.38	8.27	17.15	23.95	36.78
PR DA-3	45360.82	1.04	45360.82	100.0%	98.00	0.015	100.000	0.024	1.30	326	0.85	0.003	6.41	0.000	-	-	-	-	0.015	-	-	-	-	0.00	10.00	3.39	5.66	7.37	10.60
PR DA-4	35799.49	0.82	35799.49	100.0%	98.00	0.016	100.000	0.021	1.44	75	3.17	0.039	0.39	0.000	-	-	-	-	0.015	-	-	-	-	0.00	10.00	2.67	4.46	5.81	8.36
DA-OFF	3206625.84	73.61	748456.40	23.3%	84.20	0.150	100.000	0.005	15.34	1015	1.33	0.007	12.71	3035.214	13.51	17.70	19.20	0.92	0.015	872.60	810.0	0.021	9.60	37.65	109.33	214.81	295.20	446.43	

*Per TxDOT Drainage Criteria Manual, minimum Tc = 10 min

PROPOSED CONDITIONS

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (AC)	IMPERVIOUS COVER (%)	RUNOFF COEFFICIENT (CN 1)	RUNOFF COEFFICIENT (CN 2)	WEIGHTED CURVE NUMBER (CN)
PR DA-1	136947.25	3.14	11802.14	0.27	8.62%	98.00	80.00	81.55
PR DA-2	181807.53	4.17	10114.93	0.23	5.56%	98.00	80.00	81.00
PR DA-3	45360.82	1.04	45360.82	1.04	100.00%	98.00	80.00	98.00
PR DA-4	35799.49	0.82	35799.49	0.82	100.00%	98.00	80.00	98.00
DA-OFF	3206625.84	73.61	748456.40	17.18	23.34%	98.00	80.00	84.20

	Q ₂	Q ₁₀	Q ₂₅	Q ₁₀₀
POA A	109.33	214.81	295.20	446.43
POA B	117.80	232.87	319.99	483.88

NOTE:

- DRAINAGE PATTERNS AND FLOWS ARE ANALYZED UNDER PREDEVELOPMENT CONDITIONS. FLOWS ARE CALCULATED USING ATLAS-14 AND ASSUME NO PRIVATE SITE IMPROVEMENT. IMPERVIOUS COVER IS PRESENT AS APPROVED UNDER SD-04-00001.
- DRAINAGE AREAS ARE DRAWN BASED ON CSJ 1378-02-036 AND SD-04-00001 TO ANALYZE EXISTING FLOWS THAT THE CULVERT SOUTH OF SITE AT 1431 AND TORO GRANDE IS CURRENTLY DESIGNED TO CONVEY.
- DRAINAGE FROM SD-04-00001 DEVELOPMENT IS RELEASED FROM DETENTION AND WATER QUALITY PONDS. THIS DRAINAGE RELEASE TRAVELS ACROSS A PORTION OF THE SUBDIVIDED SITE AFTER OUTFALLING FROM A CONCRETE HEADWALL WITH ONE 24" AND TWO 36" CULVERTS. DRAINAGE CALCULATIONS FOR SD-13-00005 ARE UNALTERED AS TAKEN FROM THE APPROVED PLAN SET. CALCULATIONS ARE PRE-ATLAS 14.
- DRAINAGE FROM SD-04-00001 DEVELOPMENT WAS RE-ANALYZED UNDER EXISTING CONDITIONS IN PRE-DEVELOPMENT CONDITIONS USING ATLAS 14 RAINFALL DATA. APPROVED VALUES FROM SD-04-00001 ARE NOT USED.
- CEDAR PARK ATLAS 14 RAINFALL DEPTH DATA USED FOR CALCULATIONS PERFORMED TO ANALYZE EXISTING CONDITION FLOWS OUTSIDE OF THE DEVELOPED SITES NOTED ON THIS PAGE.
- ENGINEER HAS ANALYZED HYDROLOGIC CONDITIONS OF THE SITE. PROPOSED DEVELOPMENT DOES NOT ADVERSELY AFFECT ANY DOWNSTREAM PROPERTIES.

BENCHMARKS

TBM#51 (CUT SQUARE IN TOP OF HEADWALL) NORTHING=10168557.71 EASTING=3101715.60 ELEVATION=809.32
TBM#52 (CUT SQUARE IN CONCRETE) NORTHING=10168423.13 EASTING=3101219.31 ELEVATION=802.56



WARNING: CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

NO.	REVISIONS	DATE	BY

Kimley-Horn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 10814 JOLLYVILLE ROAD, CAMPUS IV, SUITE 200, AUSTIN, TX 78759
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 TEXAS REGISTERED ENGINEERING FIRM F-928

PRELIMINARY
 FOR REVIEW ONLY
 Not for construction or permit purposes.
Kimley-Horn
 RYAN P. SCHUBERT
 P.E. No. 145714 Date: 1/23

KHA PROJECT	XXXXXX
DATE	XXXXXX
MONTH YEAR	XXXXXX
SCALE	AS SHOWN
DESIGNED BY	XXX
DRAWN BY	XXX
CHECKED BY	XXX

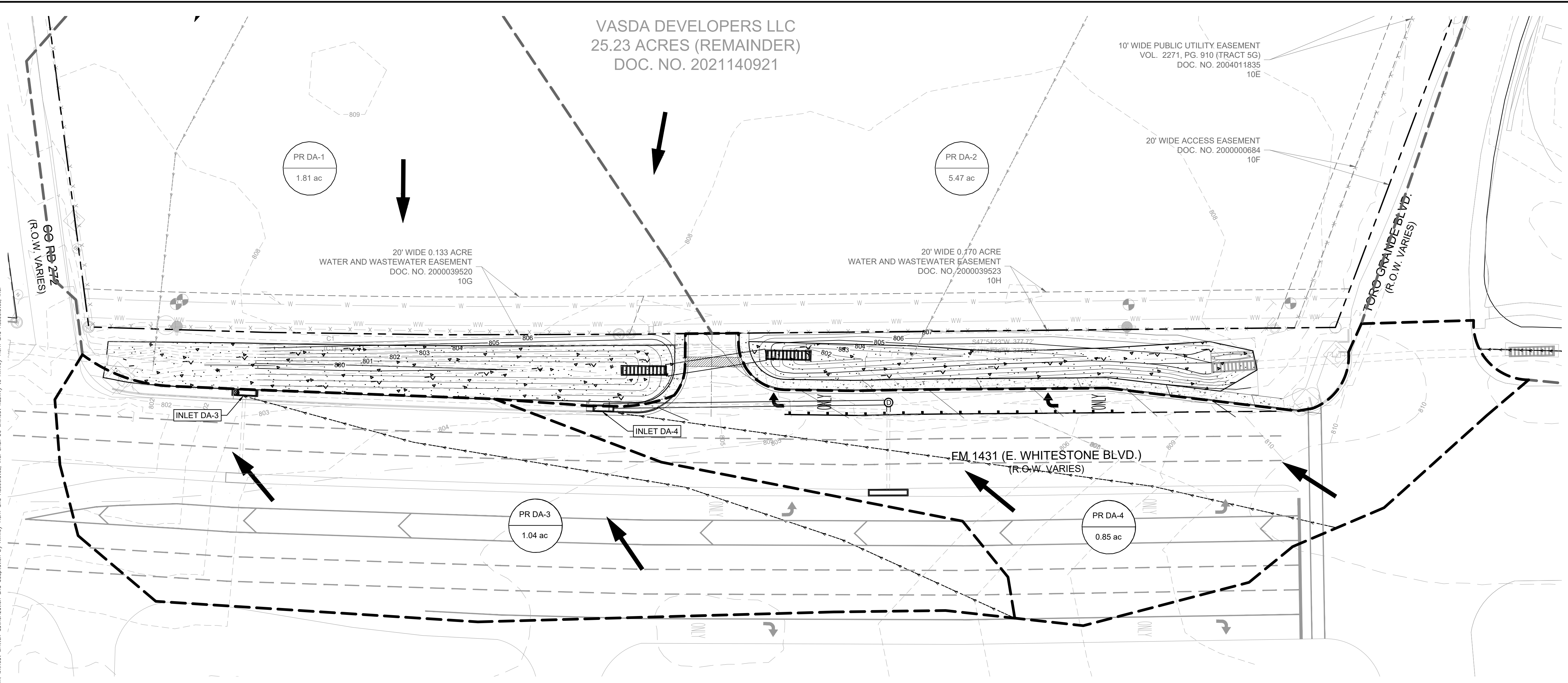
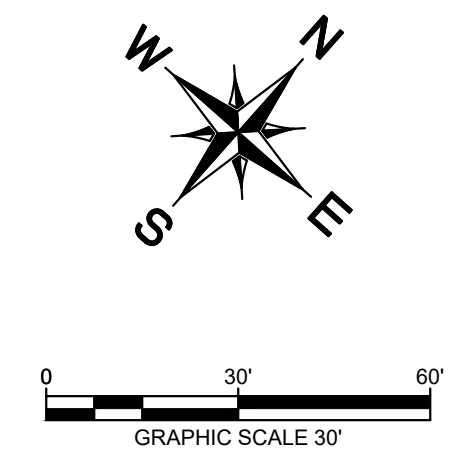
PROPOSED DRAINAGE AREA MAP

**TORO GRANDE BLVD
 TxDOT DRIVEWAY
 CITY OF CEDAR PARK
 WILLIAMSON COUNTY, TEXAS**

VASDA DEVELOPERS LLC
25.23 ACRES (REMAINDER)
DOC. NO. 2021140921

10' WIDE PUBLIC UTILITY EASEMENT
VOL. 2271, PG. 910 (TRACT 5G)
DOC. NO. 2004011835
10E

20' WIDE ACCESS EASEMENT
DOC. NO. 200000684
10F



Toro Grande - Existing Conditions
DRAINAGE CALCULATIONS - SCS METHOD - EXISTING

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (%)	WEIGHTED CURVE NUMBER (CN)	SHEET FLOW				SHALLOW CONCENTRATED FLOW				CHANNEL FLOW							TOTAL Tc ^c (min)	Q ₂ (cfs)	Q ₅ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₅₀ (cfs)	Q ₁₀₀ (cfs)					
						P-2yr24hr 3.96 IN				Channel Flow 1				Channel Flow 1																		
						N	L (ft)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	a (ft ²)	Pw (ft)	r	n	ELEV 1								ELEV 2	S (ft/ft)	Tt (min)		
EX DA-3	52943.12	1.22	52943.12	100.0%	98.00	0.015	100.000	0.020	1.40	328	0.85	0.003	6.47	0.000	-	-	-	-	0.015	-	-	-	-	-	-	10.00	3.98	5.02	6.18	7.95	9.47	11.28
EX DA-4	26902.57	0.62	26902.57	100.0%	98.00	0.016	100.000	0.021	1.44	133	2.38	0.022	0.93	0.000	-	-	-	-	0.015	-	-	-	-	-	-	10.00	2.02	2.55	3.14	4.04	4.81	5.73

*Per TxDOT Drainage Criteria Manual, minimum Tc = 10 min

EXISTING CONDITIONS

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (AC)	IMPERVIOUS COVER (%)	RUNOFF COEFFICIENT (CN 1)	RUNOFF COEFFICIENT (CN 2)	WEIGHTED CURVE NUMBER (CN)
EX DA-3	52943.12	1.22	52943.12	1.22	100.00%	98.00	80.00	98.00
EX DA-4	26902.57	0.62	26902.57	0.62	100.00%	98.00	80.00	98.00

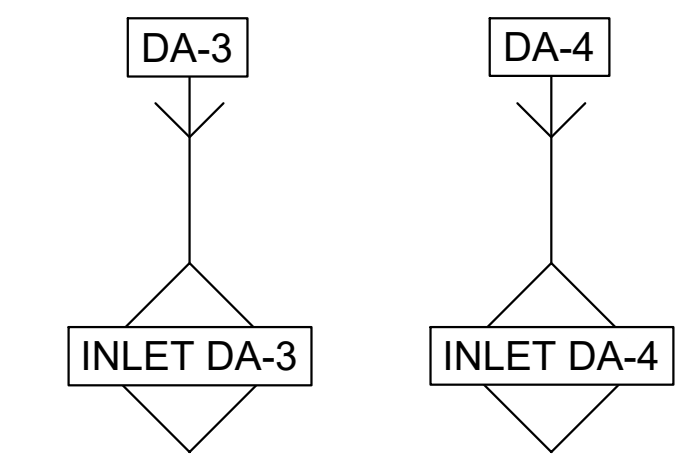
Toro Grande - Proposed Conditions
DRAINAGE CALCULATIONS - SCS METHOD - EXISTING

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (%)	WEIGHTED CURVE NUMBER (CN)	SHEET FLOW				SHALLOW CONCENTRATED FLOW				CHANNEL FLOW							TOTAL Tc ^c (min)	Q ₂ (cfs)	Q ₅ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₅₀ (cfs)	Q ₁₀₀ (cfs)					
						P-2yr24hr 3.96 IN				Channel Flow 1				Channel Flow 1																		
						N	L (ft)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	S (ft/ft)	Tt (min)	L (ft)	V (fps)	a (ft ²)	Pw (ft)	r	n	ELEV 1								ELEV 2	S (ft/ft)	Tt (min)		
PR DA-3	45360.82	1.04	45360.82	100.0%	98.00	0.015	100.000	0.024	1.30	325	0.85	0.003	6.38	0.000	-	-	-	-	0.015	-	-	-	-	-	-	10.00	3.39	4.28	5.27	6.78	8.07	6.92
PR DA-4	37201.34	0.85	37201.34	100.0%	98.00	0.016	100.000	0.021	1.44	284	1.63	0.010	2.90	0.000	-	-	-	-	0.015	-	-	-	-	-	-	10.00	2.77	3.50	4.31	5.54	6.60	7.86

*Per TxDOT Drainage Criteria Manual, minimum Tc = 10 min

PROPOSED CONDITIONS

DRAINAGE AREA	AREA (SF)	AREA (AC)	IMPERVIOUS COVER (SF)	IMPERVIOUS COVER (AC)	IMPERVIOUS COVER (%)	RUNOFF COEFFICIENT (CN 1)	RUNOFF COEFFICIENT (CN 2)	WEIGHTED CURVE NUMBER (CN)
PR DA-3	45360.82	1.04	45360.82	1.04	100.00%	98.00	80.00	98.00
PR DA-4	37201.34	0.85	37201.34	0.85	100.00%	98.00	80.00	98.00



BENCHMARKS
TBM#51 (CUT SQUARE IN TOP OF HEADWALL)
NORTHING=1016857.71'
EASTING=3101715.60'
ELEVATION=809.32'
TBM#52 (CUT SQUARE IN CONCRETE)
NORTHING=10168423.13'
EASTING=3101219.31'
ELEVATION=802.56'



WARNING: CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

Plotted By: Marahall, Griffin Date: January 16, 2024 11:28:14am File Path: K:\AUS-Civil\069274414-Toro Grande - 1431 - Access\Code\PlanSheets\C-Intlet_Drainage Area Map.dwg

DATE: _____ BY: _____

REVISIONS: _____

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PHONE: 512-418-1771 FAX: 512-418-1791
WWW.KIMLEY-HORN.COM
TEXAS REGISTERED ENGINEERING FIRM F-998

01/16/2024

PRELIMINARY
FOR REVIEW ONLY
Not for construction or permit purposes.

Engineer: RYAN P. SCHUBERT
P.E. No. 145714 Date: 1/23

KHA PROJECT: 069274414
DATE: JANUARY 2024
SCALE: AS SHOWN
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX

INLET DRAINAGE AREA MAP

**TORO GRANDE BLVD
TXDOT DRIVEWAY**
CITY OF CEDAR PARK
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER
9
OF 17

Temporary Sediment Pond(s) Plans and Calculations

The proposed development will not disturb areas over 10 acres. Therefore, a temporary sediment pond is not proposed.

Inspection and Maintenance for BMPs

Personnel Responsible for Inspections

The agent that performs the inspections should be knowledgeable of this general permit, familiar with the construction site, and knowledgeable of the SWPPP for the site. The contractor is to provide an inspector with a CPESC, CESSWI, or CISEC certification. Documentation of the inspector's qualifications is to be included in the attached Inspector Qualifications Log.

Inspection Schedule

The primary operator is required to choose one of the two inspections listed below.

- Option 1:** Once every seven calendar days. If this alternative schedule is developed, then the inspection must occur regardless of whether or not there has been a rainfall event since the previous inspection.
- Option 2:** Once every 14 calendar days and within 24 hours of the end of a storm event of two inches or greater.

The inspections may occur on either schedule provided that documentation reflects the current schedule and that any changes to the schedule are conducted in accordance with the following provisions: the schedule may be changed a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for the schedule change must be documented (e.g., end of “dry” season and beginning of “wet” season).

If option 2 is the chosen frequency of inspections a rain gauge must be properly maintained on site or the storm event information from a weather station that is representative of the site location. For any day of rainfall during normal business hours that measures 0.25 inches or greater, proper documentation of the total rainfall measured for that day must be recorded.

Personnel provided by the permittee must inspect:

- disturbed areas of the construction site that have not been finally stabilized;
- areas used for storage of materials that are exposed to precipitation;
- structural controls (for evidence of, or the potential for, pollutants entering the drainage system);
- sediment and erosion control measures identified in the SWP3 (to ensure they are operating correctly); and
- locations where vehicles enter or exit the site (for evidence of off-site sediment tracking).

Reductions in Inspection Frequency

Where sites have been finally or temporarily stabilized or where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), inspections must be conducted at least once every month. In arid, semi-arid, or drought-stricken areas, inspections must be conducted at least once every month and within 24 hours after the end of a storm event of 0.5 inches or greater. A record of the total rainfall measured, as well as the approximate beginning and ending dates of winter or drought conditions resulting in monthly frequency of inspections in the attached Rain Gauge Log.

In the event of flooding or other uncontrollable situations which prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable.

Inspection Report Forms

Use the Inspection Report Forms given as a checklist to ensure that all required areas of the construction site are addressed. There is space to document the inspector's name as well as when the inspections regularly take place. The tables will document that the required area was inspected. (If there were any areas of concern, briefly describe them in this space with a more detailed description in the narrative section. Use the last table to document any discharges found during the inspections).

Describe how effective the installed BMPs are performing. Describe any BMP failures that were noted during the investigation and describe any maintenance required due to the failure. If new BMPs are needed as the construction site changes, the inspector can use the space at the bottom of the section to list BMPs to be implemented before the next inspection.

Describe the inspector's qualifications, how the inspection was conducted, and describe any areas of non-compliance in detail. If an inspection report does not identify any incidents of non-compliance, then it must contain a certifying signature stating that the facility or site is in compliance. The report must be signed by a person and in a manner required by 30 TAC 305.128. There is space at the end of the form to allow for this certifying signature.

Whenever an inspection shows that BMP modifications are needed to better control pollutants in runoff, the changes must be completed within seven calendar days following the inspection. If existing BMPs are modified or if additional BMPs are needed, you must describe your implementation schedule, and wherever possible, make the required BMP changes before the next storm event.

The Inspection Report Form functions as the required report and must be signed in accordance with TCEQ rules at 30 TAC 305.128.

Corrective Action

Personnel Responsible for Corrective Actions

Both Primary and Secondary Operators are responsible for maintaining all necessary Corrective Actions. If an individual is specifically identified as the responsible party for modifying the contact information for that individual should be documented in the attached Inspector Qualifications Log.

Corrective Action Forms

The Temporary BMPs must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the attached forms and wherever possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable. Actions taken as a result of inspections must be properly documented by completing the corrective action forms given.

Schedule of Interim and Permanent Soil Stabilization

Construction practices shall disturb the minimal amount of existing ground cover as required for land clearing, grading, and construction activity for the shortest amount of time possible to minimize the potential of erosion and sedimentation from the site. Existing vegetation shall be maintained and left in place until it is necessary to disturb for construction activity. For this project the following stabilization practices will be implemented:

1. Hydraulic Mulch and Seeding: Disturbed areas subject to erosion shall be stabilized with hydraulic mulch and/or seeded and watered to provide interim stabilization. For areas that are not to be sodded as per the project landscaping plan, a minimum of 85% vegetative cover will be established to provide permanent stabilization.
2. Sodding and Wood Mulch: As per the project landscaping plan, Sodding and wood mulch will be applied to landscaped areas to provide permanent stabilization prior to project completion.

Records of the following shall be maintained:

- a) The dates when major grading activities occur;
- b) The dates when construction activities temporarily or permanently cease on a portion of the site; and
- c) The dates when stabilization measures are initiated.

Stabilization measures must be initiated as soon as practical in portions of the site where construction activities have temporarily or permanently ceased, and except as provided in the following, must be initiated no more that fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased:

Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceased is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practical.

Where construction activity on a portion of the site is temporarily ceased and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of the site.

In arid areas (areas with an average rainfall of 0-10 inches), semiarid areas (areas with an average annual rainfall of 10 to 20 inches), and areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practical.

Maintenance

Below are some maintenance practices to be used to maintain erosion and sediment controls:

- All measures will be maintained in good working order. The operator should correct any damage or deficiencies as soon as practicable after the inspection, but in no case later than seven (7) calendar days after the inspection.
- BMP Maintenance (as applicable)
- Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%. For perimeter controls such as silt fences, berms, etc., the trapped sediment must be removed before it reaches 50% of the above-ground height.
- Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
- Drainage swale will be inspected and repaired as necessary.
- Inlet control will be inspected and repaired as necessary.
- Straw bale dike will be inspected and repaired as necessary.
- Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
- If sediment escapes the site, accumulations must be removed at a frequency that minimizes off-site impacts, and prior to the next rain event, if feasible. If the permittee does not own or operate the off-site conveyance, then the permittee must work with the owner or operator of the property to remove the sediment.
- Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking.

To maintain the above practices, the following will be performed:

- Maintenance and repairs will be conducted before the next anticipated storm event or as necessary to maintain the continued effectiveness of storm water controls. Following an inspection, deficiencies should be corrected no later than seven (7) calendar days after the inspection.

Inspector Qualifications Log*

Inspector Name: _____
Qualifications (Check as appropriate and provide description):
 Training Course _____
 Supervised Experience _____
 Other _____

Inspector Name: _____
Qualifications (Check as appropriate and provide description):
 Training Course _____
 Supervised Experience _____
 Other _____

Inspector Name: _____
Qualifications (Check as appropriate and provide description):
 Training Course _____
 Supervised Experience _____
 Other _____

Inspector Name: _____
Qualifications (Check as appropriate and provide description):
 Training Course _____
 Supervised Experience _____
 Other _____

Inspector Name: _____
Qualifications (Check as appropriate and provide description):
 Training Course _____
 Supervised Experience _____
 Other _____

Inspector Name: _____
Qualifications (Check as appropriate and provide description):
 Training Course _____
 Supervised Experience _____
 Other _____

** The agent that performs the inspections should be knowledgeable of this general permit, familiar with the construction site, and knowledgeable of the SWPPP for the site. The contractor is to provide an inspector with a CPESC, CESSWI, or CISEC certification.*

Amendment Log

No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

Construction Activity Sequence Log

Name of Operator	Projected dates Month/year	Activity Disturbing Soil clearing, excavation, etc.	Location on-site where activity will be conducted	Acreage being disturbed

*Construction activity sequences for linear projects may be conducted on a rolling basis. As a result, construction activities may be at different stages at different locations in the project area. The Contractor is required to complete and update the schedule and adjust as necessary.

Stormwater Control Installation and Removal Log

Stormwater Control	Location On-Site	Installation Date	Removal Date

Stabilization Activities Log

Date Activity Initiated	Description of Activity	Description of Stabilization Measure and Location	Date Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures Initiated

Stabilization and erosion control practices may include, but are not limited to: establishing temporary or permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, and protecting existing trees and vegetation. List practices used where they are located, when they will be implemented, and whether they are temporary (interim) or permanent.

Rain Gauge Log

Date	Location of Rain Gauge	Gauge Reading

General Information					
Name of Project		Tracking No.		Inspection Date	
Inspector Name, Title & Contact Information					
Present Phase of Construction					
Inspection Location (if multiple inspections are required, specify location where this inspection is being conducted)					
Inspection Frequency Standard Frequency: <input type="checkbox"/> Weekly <input type="checkbox"/> Every 14 days and within 24 hours of a 0.25" rain Increased Frequency: <input type="checkbox"/> Every 7 days and within 24 hours of a 0.25" rain Reduced Frequency: - <input type="checkbox"/> Once per month (for stabilized areas) - <input type="checkbox"/> Once per month and within 24 hours of a 0.25" rain (for arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought) - <input type="checkbox"/> Once per month (for frozen conditions where earth-disturbing activities are being conducted)					
Was this inspection triggered by a 0.25" storm event? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how did you determined whether a 0.25" storm event has occurred? <input type="checkbox"/> Rain gauge on site <input type="checkbox"/> Weather station representative of site. Specify weather station source: Total rainfall amount that triggered the inspection (in inches):					
Unsafe Conditions for Inspection Did you determine that any portion of your site was unsafe for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If "yes", complete the following: - Describe the conditions that prevented you from conducting the inspection in this location: - Location(s) where conditions were found:					

Condition and Effectiveness of Erosion and Sediment (E&S) Controls				
Type/Location of E&S Control	Repairs or Other Maintenance Needed?	Corrective Action Required?	Date on Which Maintenance or Corrective Action First Identified?	Notes
1.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
7.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
8.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
9.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
10.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

Condition and Effectiveness of Pollution Prevention (P2) Practices				
Type/Location of P2 Practices	Repairs or Other Maintenance Needed?	Corrective Action Required?	Identification Date	Notes
1.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
7.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
8.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
9.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
10.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

Stabilization of Exposed Soil			
Stabilization Area	Stabilization Method	Have You Initiated Stabilization?	Notes
1.		<input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:	
2.		<input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:	
3.		<input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:	
4.		<input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:	
5.		<input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:	
Description of Discharges			
Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If “yes”, provide the following information for each point of discharge:			
Discharge Location	Observations		
1.	Describe the discharge: At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:		
2.	Describe the discharge: At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:		
3.	Describe the discharge: At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:		

Contractor or Subcontractor Certification and Signature

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Signature of Contractor or Subcontractor: _____ **Date:** _____

Printed Name and Affiliation: _____

Certification and Signature by Permittee

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

**Signature of Permittee or
“Duly Authorized Representative”:** _____ **Date:** _____

Printed Name and Affiliation: _____

Section A – Initial Report				
(Complete this section <u>within 24 hours</u> of discovering the condition that triggered corrective action)				
Name of Project		Tracking No.		Today's Date
Date Problem First Discovered			Time Problem First Discovered	
Name and Contact Information of Individual Completing this Form				
<p>What site conditions triggered the requirement to conduct corrective action:</p> <p><input type="checkbox"/> A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3</p> <p><input type="checkbox"/> The stormwater controls that have been installed and maintained are not effective enough for the discharge to meet applicable water quality standards</p> <p><input type="checkbox"/> A prohibited discharge has occurred or is occurring</p> <p>Provide a description of the problem:</p> <p>Deadline for completing corrective action (<i>Enter date that is either: (1) no more than 7 calendar days after the date you discovered the problem, or (2) if it is infeasible to complete work within the first 7 days, enter the date that is as soon as practicable following the 7th day</i>):</p> <p>If your estimated date of completion falls after the 7-day deadline, explain (1) why you believe it is infeasible to complete work within 7 days, and (2) why the date you have established for making the new or modified stormwater control operational is the soonest practicable timeframe:</p>				
Section B – Corrective Action Progress				
(Complete this section <u>no later than 7 calendar days</u> after discovering the condition that triggered corrective action)				
Section B.1 – Why the Problem Occurred				
Cause(s) of Problem (Add an additional sheet if necessary)			How This Was Determined and the Date You Determined the Cause	
1.			1.	
2.			2.	
3.			3.	
Section B.2 – Stormwater Control Modifications to be Implemented to Correct the Problem				
List of Stormwater Control Modification(s) Needed to Correct Problem (Add an additional sheet if necessary)	Completion Date	SWPPP Update Necessary?	Notes	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No Date:		
2.		<input type="checkbox"/> Yes <input type="checkbox"/> No Date:		
3.		<input type="checkbox"/> Yes <input type="checkbox"/> No Date:		

Section A – Initial Report				
(Complete this section <u>within 24 hours</u> of discovering the condition that triggered corrective action)				
Name of Project		Tracking No.		Today's Date
Date Problem First Discovered			Time Problem First Discovered	
Name and Contact Information of Individual Completing this Form				
<p>What site conditions triggered the requirement to conduct corrective action:</p> <p><input type="checkbox"/> A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3</p> <p><input type="checkbox"/> The stormwater controls that have been installed and maintained are not effective enough for the discharge to meet applicable water quality standards</p> <p><input type="checkbox"/> A prohibited discharge has occurred or is occurring</p> <p>Provide a description of the problem:</p> <p>Deadline for completing corrective action (<i>Enter date that is either: (1) no more than 7 calendar days after the date you discovered the problem, or (2) if it is infeasible to complete work within the first 7 days, enter the date that is as soon as practicable following the 7th day</i>):</p> <p>If your estimated date of completion falls after the 7-day deadline, explain (1) why you believe it is infeasible to complete work within 7 days, and (2) why the date you have established for making the new or modified stormwater control operational is the soonest practicable timeframe:</p>				
Section B – Corrective Action Progress				
(Complete this section <u>no later than 7 calendar days</u> after discovering the condition that triggered corrective action)				
Section B.1 – Why the Problem Occurred				
Cause(s) of Problem (Add an additional sheet if necessary)			How This Was Determined and the Date You Determined the Cause	
1.			1.	
2.			2.	
3.			3.	
Section B.2 – Stormwater Control Modifications to be Implemented to Correct the Problem				
List of Stormwater Control Modification(s) Needed to Correct Problem (Add an additional sheet if necessary)	Completion Date	SWPPP Update Necessary?	Notes	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No Date:		
2.		<input type="checkbox"/> Yes <input type="checkbox"/> No Date:		
3.		<input type="checkbox"/> Yes <input type="checkbox"/> No Date:		

Contractor or Subcontractor Certification and Signature

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Signature of Contractor or Subcontractor: _____ **Date:** _____

Printed Name and Affiliation: _____

Certification and Signature by Permittee

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

**Signature of Permittee or
“Duly Authorized Representative”:** _____ **Date:** _____

Printed Name and Affiliation: _____

***SECTION 4:
ADDITIONAL FORMS***

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

I Venkat Gudapuri
Print Name

Managing Member
Title - Owner/President/Other

of Vasda Developers LLC
Corporation/Partnership/Entity Name

have authorized Ryan Schubert, P.E.
Print Name of Agent/Engineer

of Kimley-Horn
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Venkat Gudde
Applicant's Signature

01/17/24
Date

THE STATE OF TEXAS §

County of Williamson §

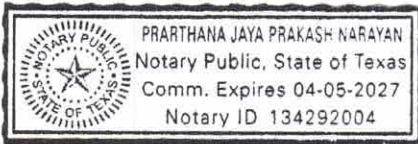
BEFORE ME, the undersigned authority, on this day personally appeared Venkat Gudde known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 17 day of January, 2024.

[Signature]

NOTARY PUBLIC

Prarthana Jaysprakash Narayan
Typed or Printed Name of Notary



MY COMMISSION EXPIRES: 4-5-2027

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Toro Grande - TxDOT 1431 Entrance

Regulated Entity Location: NW corner of Toro Grande Blvd and RM1431 intersection in Cedar Park, TX.

Name of Customer: Vasda Developers LLC

Contact Person: Venkat Gudapuri

Phone: 512-590-4165

Customer Reference Number (if issued):CN _____

Regulated Entity Reference Number (if issued):RN _____

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to:

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	1 Each	\$ 500
Extension of Time	Each	\$

Signature: 

Date: 1/18/2024

Application Fee Schedule

Texas Commission on Environmental Quality

Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

<i>Project</i>	<i>Project Area in Acres</i>	<i>Fee</i>
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1	\$3,000
	1 < 5	\$4,000
	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

<i>Project</i>	<i>Cost per Linear Foot</i>	<i>Minimum Fee- Maximum Fee</i>
Sewage Collection Systems	\$0.50	\$650 - \$6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

<i>Project</i>	<i>Cost per Tank or Piping System</i>	<i>Minimum Fee- Maximum Fee</i>
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

Exception Requests

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150

Core Data Form



TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
Vasda Developers LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0804186753	32080551982	87-2181274	
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input checked="" type="checkbox"/> Corporation LLC		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address: 3208 Prentiss Ln			
City	Leander	State	TX
ZIP	78641	ZIP + 4	3372
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
NA			
18. Telephone Number		19. Extension or Code	20. Fax Number (if applicable)

SECTION III: Regulated Entity Information**21. General Regulated Entity Information** (If 'New Regulated Entity' is selected, a new permit application is also required.)
 New Regulated Entity Update to Regulated Entity Name Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Toro Grande - TxDOT 1431 Entrance

23. Street Address of the Regulated Entity:

(No PO Boxes)

City

State

ZIP

ZIP + 4

24. County

If no Street Address is provided, fields 25-28 are required.

25. Description to**Physical Location:**

NW corner of Toro Grande Blvd and RM1431 intersection

26. Nearest City

State

Nearest ZIP Code

Cedar Park

TX

78641

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:

30.53801944

28. Longitude (W) In Decimal:

-97.77623056

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

30

32

16

-97

46

34

29. Primary SIC Code**30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

5399

5812

445131

722511

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Driveway connection for general retail.

34. Mailing

3109 Kenai Dr, Ste 109

Address:

City

Cedar Park

State

TX

ZIP

78613

ZIP + 4

35. E-Mail Address:

vgudapuri@gmail.com

36. Telephone Number**37. Extension or Code****38. Fax Number** (if applicable)

(512) 590-4165

() -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Ryan Schubert, P.E.	41. Title:	Civil Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 551-1846		() -	Ryan.Schubert@Kimley-Horn.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	VASDA Developers LLC	Job Title:	Manager
Name (In Print):	Venkat. Gudapati	Phone:	512 590 4165
Signature:		Date:	01/17/2024