

# CONTRIBUTING ZONE PLAN

## **TORO GRANDE – SHARED IMPROVEMENTS TORO GRANDE BLVD. & E WHITESTONE BLVD. CEDAR PARK, WILLIAMSON COUNTY, TEXAS**

*Prepared For:*

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# TABLE OF CONTENTS

<b>EDWARDS AQUIFER APPLICATION COVER PAGE .....</b>	<b>SECTION 1</b>
EDWARDS AQUIFER APPLICATION COVER PAGE .....	TCEQ-20705
<b>CONTRIBUTING ZONE PLAN APPLICATION .....</b>	<b>SECTION 2</b>
CONTRIBUTING ZONE PLAN APPLICATION .....	TCEQ-10257
Road Map .....	Attachment A
USGS Quadrangle Map.....	Attachment B
Project Narrative .....	Attachment C
Factors Affecting Surface Water Quality .....	Attachment D
Volume and Character of Stormwater .....	Attachment E
Suitability Letter from Authorized Agent.....	Attachment F
Alternative Secondary Containment Methods .....	Attachment G
AST Containment Structure Drawings.....	Attachment H
20% or Less Impervious Cover Waiver .....	Attachment I
BMPs for Upgradient Stormwater.....	Attachment J
BMPs for On-site Stormwater .....	Attachment K
BMPs for Surface Streams.....	Attachment L
Construction Plans .....	Attachment M
Inspection, Maintenance, Repair and Retrofit Plan.....	Attachment N
Pilot-Scale Field Testing Plan .....	Attachment O
Measures for Minimizing Surface Stream Contamination .....	Attachment P
<b>TEMPORARY STORMWATER SECTION .....</b>	<b>SECTION 3</b>
Spill Response Actions.....	Attachment A
Potential Sources of Contamination.....	Attachment B
Sequence of Major Activities.....	Attachment C
Temporary Best Management Practices and Measures .....	Attachment D
Request to Temporarily Seal a Feature.....	Attachment E
Structural Practices .....	Attachment F
Drainage Area Map .....	Attachment G
Temporary Sediment Pond Plans and Calculations.....	Attachment H
Inspection and Maintenance for BMP's .....	Attachment I
Schedule of Interim and Permanent Soil Stabilization Practices.....	Attachment J
<b>ADDITIONAL FORMS .....</b>	<b>SECTION 4</b>
COPY OF NOTICE OF INTENT .....	NOI
AGENT AUTHORIZATION FORM .....	TCEQ-0599
APPLICATION FEE FORM .....	TCEQ-0574
Check Payable to the "Texas Commission on Environmental Quality"	
CORE DATA FORM.....	TCEQ-10400



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

# Texas Commission on Environmental Quality

## Edwards Aquifer Application Cover Page

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### 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 Aired fields below and submit with your application.

<b>1. Regulated Entity Name:</b> Toro Grande – Shared Improvements					<b>2. Regulated Entity No.:</b>				
<b>3. Customer Name:</b> <u>Venkat Gudapuri</u>					<b>4. Customer No.:</b>				
<b>5. Project Type:</b> (Please circle/check one)	<u>New</u>		Modification		Extension		Exception		
<b>6. Plan Type:</b> (Please circle/check one)	WPAP	<u>CZP</u>	SCS	UST	AST	EX P	EXT	Technical Clarification	Optional Enhanced Measures
<b>7. Land Use:</b> (Please circle/check one)			<u>Non-residential</u>			<b>8. Site (acres):</b>		<b>22.50</b>	
<b>9. Application Fee:</b>	\$6500		<b>10. Permanent BMP(s):</b>				Batch Extended Detention		
<b>11. SCS (Linear Ft.):</b>	N/A		<b>12. AST/UST (No. Tanks):</b>				N/A		
<b>13. County:</b>	Williamson		<b>14. Watershed:</b>				Brushy Creek		

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

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



May 16, 2024

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  
PLAN APPLICATION***

# Contributing Zone Plan Application

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 Plan Application** 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: May 16, 2024

Signature of Customer/Agent:



Regulated Entity Name: Toro Grande - Shared Improvements

## 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 Developers LLC.  
Mailing Address: 3109 Kenai Dr, 109  
City, State: Cedar Park, TX Zip: 78613  
Telephone: \_\_\_\_\_ Fax: NA  
Email Address: vgudapuri@gmail.com

5. Agent/Representative (If any):

Contact Person: Ryan Schubert, P.E.

Entity: Kimley-Horn and Associates, Inc.

Mailing Address: 10814 Jollyville Rd, Campus IV Suite 200

City, State: Austin, TX

Zip: 78759

Telephone: (512) – 418 – 1771

Fax: NA

Email Address: Ryan.Schubert@kimley-horn.com

6. Project Location:

☒ The project site is located inside the city limits of Cedar Park.

☐ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of \_\_\_\_\_.

☐ The project site is not located within any city's 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.

Project address: Northwest corner of Toro Grande Blvd. & E Whitestone Blvd. Cedar Park, Texas 78641

8. ☒ **Attachment A - Road Map.** A road map showing directions to and the 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 official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) clearly show:

☒ Project site boundaries.

☒ USGS Quadrangle Name(s).

10. ☒ **Attachment C - Project Narrative.** A detailed narrative description of the proposed project is attached. 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. The type of project is:

- ☐ Residential: # of Lots: \_\_\_\_\_  
☐ Residential: # of Living Unit Equivalents: \_\_\_\_\_  
☐ Commercial  
☒ Industrial  
☒ Other: \_\_\_\_\_ Public  
\_\_\_\_\_ Improvements \_\_\_\_\_

13. Total project area (size of site): 22.50 Acres

Total disturbed area: 18 Acres

14. Estimated projected population: N/A

15. The amount and type of impervious cover expected after construction is complete is shown below:

**Table 1 - Impervious Cover**

<i><b>Impervious Cover of Proposed Project</b></i>	<i><b>Sq. Ft.</b></i>	<i><b>Sq. Ft./Acre</b></i>	<i><b>Acres</b></i>
Structures/Rooftops	185,000	÷ 43,560 =	4.25
Parking	283,140	÷ 43,560 =	6.50
Other paved surfaces	64,067	÷ 43,560 =	1.47
Total Impervious Cover	553,987	÷ 43,560 =	12.22

Total Impervious Cover 12.22 ÷ Total Acreage 22.50 X 100 = 54.3% Impervious Cover

16. ☒ **Attachment D - Factors Affecting Surface Water Quality.** A detailed description of all factors that could affect surface water quality is attached. If applicable, this includes the location and description of any discharge associated with industrial activity other than construction.

17. ☒ Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

## For Road Projects Only

**Complete questions 18 - 23 if this application is exclusively for a road project.**

☒ N/A

18. Type of project:

- ☐ TXDOT road project.
- ☐ County road or roads built to county specifications.
- ☐ City thoroughfare or roads to be dedicated to a municipality.
- ☐ Street or road providing access to private driveways.

19. Type of pavement or road surface to be used:

- ☐ Concrete
- ☐ Asphalt concrete pavement
- ☐ Other: \_\_\_\_\_

20. Right of Way (R.O.W.):

Length of R.O.W.: \_\_\_\_\_ feet.

Width of R.O.W.: \_\_\_\_\_ feet.

$L \times W = \text{_____ Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} = \text{_____ acres.}$

21. Pavement Area:

Length of R.O.W.: \_\_\_\_\_ feet.

Width of R.O.W.: \_\_\_\_\_ feet.

$L \times W = \text{_____ Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} = \text{_____ acres.}$

Pavement area \_\_\_\_\_ acres  $\div$  R.O.W. area \_\_\_\_\_ acres  $\times 100 = \text{_____ \%}$  impervious cover.

22. ☐ A rest stop will be included in this project.

☐ A rest stop will not be included in this project.

23. ☐ Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

## Stormwater to be generated by the Proposed Project

24. ☒ **Attachment E - Volume and Character of Stormwater.** A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

## Wastewater to be generated by the Proposed Project

25. ☐ Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC§213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.
- ☒ N/A
26. Wastewater will be disposed of by:
- ☐ On-Site Sewage Facility (OSSF/Septic Tank):
- ☐ Attachment F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.
  - ☐ Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.
- ☒ Sewage Collection System (Sewer Lines):
- The sewage collection system will convey the wastewater to the Brushy Creek West Waste-Water Treatment Plant. The treatment facility is:
- ☒ Existing.
  - ☐ Proposed.
  - ☐ N/A

## Permanent Aboveground Storage Tanks (ASTs) $\geq$ 500 Gallons

Complete questions 27 - 33 if this project includes the installation of AST(s) with volume(s) greater than or equal to 500 gallons.

☒ N/A

27. Tanks and substance stored:

**Table 2 - Tanks and Substance Storage**

<i>AST Number</i>	<i>Size (Gallons)</i>	<i>Substance to be Stored</i>	<i>Tank Material</i>
1			
2			
3			
4			
5			

Total x 1.5 = \_\_\_\_\_ Gallons

28. ☐ The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

☐ **Attachment G - Alternative Secondary Containment Methods.** Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are attached.

29. Inside dimensions and capacity of containment structure(s):

**Table 3 - Secondary Containment**

<i>Length (L)(Ft.)</i>	<i>Width(W)(Ft.)</i>	<i>Height (H)(Ft.)</i>	<i>L x W x H = (Ft<sup>3</sup>)</i>	<i>Gallons</i>

Total: \_\_\_\_\_ Gallons

30. Piping:

- ☐ All piping, hoses, and dispensers will be located inside the containment structure.
- ☐ Some of the piping to dispensers or equipment will extend outside the containment structure.

- ☐ The piping will be aboveground  
☐ The piping will be underground
31. ☐ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of: \_\_\_\_\_.
32. ☐ **Attachment H - AST Containment Structure Drawings.** A scaled drawing of the containment structure is attached that shows the following:
- ☐ Interior dimensions (length, width, depth and wall and floor thickness).
  - ☐ Internal drainage to a point convenient for the collection of any spillage.
  - ☐ Tanks clearly labeled
  - ☐ Piping clearly labeled
  - ☐ Dispenser clearly labeled
33. ☐ Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.
- ☐ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.
- ☐ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

## Site Plan Requirements

**Items 34 - 46 must be included on the Site Plan.**

34. ☒ The Site Plan must have a minimum scale of 1" = 400'.
- Site Plan Scale: 1" = 40 '.
35. 100-year floodplain boundaries:
- ☐ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
  - ☒ No part of the project site is located within the 100-year floodplain.  
The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): \_\_\_\_\_.
36. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
- ☐ The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.

37. ☒ A drainage plan showing all paths of drainage from the site to surface streams.
38. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
39. ☒ Areas of soil disturbance and areas which will not be disturbed.
40. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
41. ☒ Locations where soil stabilization practices are expected to occur.
42. ☐ Surface waters (including wetlands).  
☒ N/A
43. ☒ Locations where stormwater discharges to surface water.  
☐ There will be no discharges to surface water.
44. ☐ Temporary aboveground storage tank facilities.  
☒ Temporary aboveground storage tank facilities will not be located on this site.
45. ☐ Permanent aboveground storage tank facilities.  
☒ Permanent aboveground storage tank facilities will not be located on this site.
46. ☒ Legal boundaries of the site are shown.

## **Permanent Best Management Practices (BMPs)**

### ***Practices and measures that will be used during and after construction is completed.***

47. ☒ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.  
☐ N/A
48. ☒ These practices and measures have been designed, and will be constructed, operated, and maintained to ensure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
- ☒ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site. (Phase 1)
- ☐ A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: \_\_\_\_\_
- ☐ N/A

49. ☒ Owners must ensure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.

☐ N/A

50. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.

☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.

☒ The site will not be used for low density single-family residential development.

51. The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

☐ **Attachment I - 20% or Less Impervious Cover Waiver.** The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.

☐ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.

☒ The site will not be used for multi-family residential developments, schools, or small business sites.

52. ☒ **Attachment J - BMPs for Upgradient Stormwater.**

☒ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.

☐ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.

☐ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

53. ☒ **Attachment K - BMPs for On-site Stormwater.**
- ☒ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.
  - ☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.
54. ☒ **Attachment L - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams is attached.
- ☐ N/A
55. ☒ **Attachment M - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.
- ☐ N/A
56. ☒ **Attachment N - Inspection, Maintenance, Repair and Retrofit Plan.** A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:
- ☒ Prepared and certified by the engineer designing the permanent BMPs and measures
  - ☒ Signed by the owner or responsible party
  - ☒ Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.
  - ☒ Contains a discussion of record keeping procedures
- ☐ N/A
57. ☐ **Attachment O - Pilot-Scale Field Testing Plan.** Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
- ☒ N/A
58. ☒ **Attachment P - Measures for Minimizing Surface Stream Contamination.** A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused



by the regulated activity, which increase erosion that result in water quality degradation.

☐ N/A

### **Responsibility for Maintenance of Permanent BMPs and Measures after Construction is Complete.**

59. ☒ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
60. ☒ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

### **Administrative Information**

61. ☒ 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.
62. ☒ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.
63. ☐ The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.
- ☒ The Temporary Stormwater Section (TCEQ-0602) is included with the application.

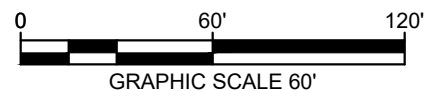
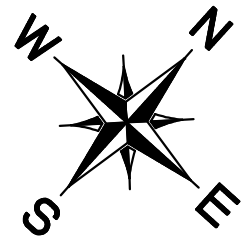
# ROAD MAP



COLE, DAVID 4/17/2024 1:43 PM  
K:\AUS\_CIVIL\068274410-TORO GRANDE BLVD\CA\EXHIBITS\PLANS\SHEETS\20240301  
4/17/2024 1:41 PM

#### DIRECTIONS FROM TCEQ HEADQUARTERS:

1. SHARP LEFT ONTO PARK 35 CIR
2. TURN RIGHT ONTO S I-35 FRONTAGE ROAD
3. TURN LEFT ONTO E BRAKER LN
4. TURN LEFT ONTO N INTERSTATE 35 FRONTAGE RD
5. TAKE RAMP ONTO I-35 N
6. MERGE
7. EXIT ONTO I 35 N FRONTAGE RD
8. USE THE RIGHT 2 LANES TO TAKE THE RAMP TO RM 1431 W/ UNIVERSITY BLVD
9. ARRIVE



# Toro Grande Shared Improvements

Cedar Park, Texas  
MARCH 2024

**Kimley»Horn**

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.

PLOTTED BY  
DNG NAME  
LAST SAVED

# USGS QUADRANGLE MAP

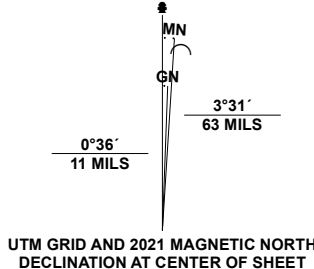




Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1 000-meter grid/Universal Transverse Mercator, Zone 14R  
Data is provided by The National Map (TNM), is the best available at the time of map  
generation, and includes data content from supporting themes of Elevation,  
Hydrography, Geographic Names, Boundaries, Transportation, Structures, Land Cover,  
and Orthimagery. Refer to associated Federal Geographic Data Committee (FGDC)  
Metadata for additional source data information.

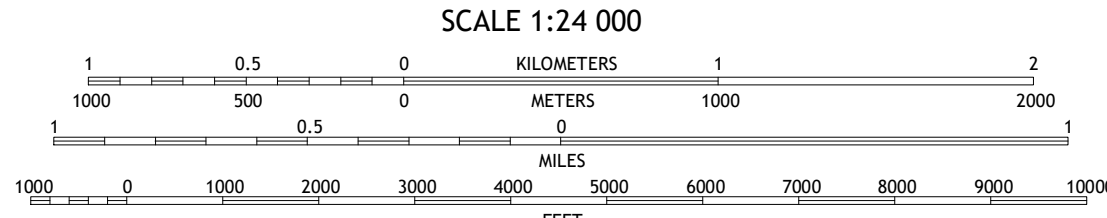
This map is not a legal document. Boundaries may be generalized for this map scale.  
Private lands within government reservations may not be shown. Obtain permission  
before entering private lands. Temporal changes may have occurred since these data  
were collected and some data may no longer represent actual surface conditions.

Learn About The National Map: <https://nationalmap.gov>



UTM GRID AND 2011 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
PU
Grid Zone Designation
14R



SCALE 1:24 000

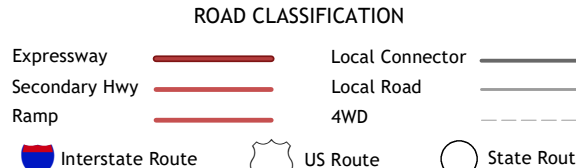
CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
CONTOUR SMOOTHNESS = Medium



QUADRANGLE LOCATION

Liberty Hill	Leander NE	Georgetown
Nameless	Leander	Round Rock
Mansfield Dam	Jollyville	Pflugerville West

ADJOINING QUADRANGLES



LEANDER, TX  
2024



# PROJECT NARRATIVE

## Introduction

The subject site is a 22.50-ac vacant tract located within the Full Purpose city limits of the City of Cedar Park. Development proposes a 30' access driveway and median break from Toro Grande Blvd. The project also proposes to add a stubbed storm drainage line and easement that will eventually take the site's drainage to Brushy Creek.

A portion of this site is located in the Federal Emergency Management Agency's 0.2% Annual hance Flood Ha per the Flood Insurance Rate Map 48491C0470F dated December 20, 2019 for Williamson County, Texas. No floodplain modifications are proposed. The site is located within the Edwards Aquifer Contributing Zone according to TCEQ Edwards Aquifer Map.

## Current Tract Conditions

### Legal Description

The legal description of the western existing tract is described as AW0015 AW0015 – ANDERSON, W. SUR., ACRES 13.47 making up the western half. The eastern half is composed of two parcels that are described as AW0015 ANDERSON, W. SUR., ACRES 2.99 for the northern parcel and AW0015 - Anderson, W. Sur., ACRES 6.00 for the southern parcel.

### Land Use

The existing tracts are currently zoned for a combination of Light Industrial (LI) and General Business (GB), as stated by the City of Cedar Park. The northern track of remaining two tracts is zoned to LI and the southern tract is GB. This zoning classification is sufficient for the proposed use and no rezoning is proposed. The tract resides within the Full Purpose city limits of the City of Cedar Park in Williamson County, Texas.

### Existing Drainage Conditions

Runoff enters the site primarily from the northeast corner of the site. The flow heads towards the southwest corner of the tract, where it leaves the site. Due to the size of the improvements area, drainage analysis will not be required at this time.

Upgradient stormwater originates from two sources. The first source is treated runoff released from the commercial development north of the subject site. A sand filter system designed as a partial sedimentation & filtration pond treats site runoff before bypass flows enter an onsite detention pond. The site is located over the Edwards Aquifer Contributing Zone but no TCEQ permit numbers are provided on the City approved plans (reference CZP ID No. 1103416). Treated water released from this source will be captured and routed through the site via an underground culvert. No BMP treatment will be provided because the flows are already treated.

The second source is untreated runoff from a roadway surface. Runoff from 0.372-ac of Toro Grande Blvd is captured in a curb inlet and routed through the proposed batch extended detention system BMP. This runoff is counted in our water quality calculations as predevelopment impervious area within the drainage basin/outfall area. Please refer to the proposed drainage area map and TCEQ Total Suspended Solids calculations provided with this report.

## **Proposed Development**

The proposed development includes the construction of a 30' access driveway and median break from Toro Grande Blvd. There will be an onsite Batch Detention Basin to treat stormwater and will be sized to treat the future additional lanes buildout of Toro Grande Blvd. The development will also include a stubbed storm drainage line and easement that will eventually take the site's drainage via pipe to Brushy Creek. The access driveway will connect to Toro Grande Blvd. on the east side of the tract.

# FACTORS AFFECTING SURFACE WATER QUALITY

Surface water quality can be affected by disturbance during construction and by development after construction. Soil disturbance from clearing and grubbing and cut / fill operations can lead to discharge of sediment unless adequate temporary erosion control measures are in place. For this project, the use of silt fence will prevent sediment from leaving the site. The existing water quality pond and proposed grassy swale will provide sedimentation during construction. Siltation collected by the control measures will be cleaned from fences, berms, etc. on a routine schedule.

During construction, surface water quality may also be affected by a spill of hydrocarbons or other hazardous substances used in construction. The most likely instances of a spill of hydrocarbons or hazardous substances are:

1. Refueling construction equipment.
2. Performing operator-level maintenance, including adding petroleum, oils, or lubricants.
3. Unscheduled or emergency repairs, such as hydraulic fluid leaks.

Every effort will be taken to be cautious and prevent spills. In the event of a fuel or hazardous substance spill as defined by the Reportable Quantities Table 1 (page 3) of the TCEQ's Small-Business Handbook for Spill Response (RG-285, June 1997), the contractor is required to clean up the spill and notify the TCEQ as required in RG-285. During business hours report spills to the TCEQ's Austin Regional Office at (512) 339-2929, after business hours call 1-800-832-8224, the Environmental Response Hotline or (512) 463-7727, the TCEQ Spill Reporting Hotline, which is also answered 24 hours a day.

After construction is complete, impervious cover for the tract of land is the major reason for degradation of water quality. Impervious cover includes the building foundation, parking lot pavement and concrete sidewalks. Oil and fuel discharge from vehicles is anticipated. A sand filtration system will mitigate these factors.



# VOLUME AND CHARACTER OF STORMWATER

The proposed Toro Grande Shared Improvements development includes the construction of a 30' access driveway and median break from Toro Grande Blvd. The development will also include a stubbed storm drainage line and easement that will eventually take the site's drainage via pipe to Brushy Creek. The access driveway will connect to Toro Grande Blvd. on the east side of the tract.

The proposed Batch Extended Detention System has a removal rate of 91 percent and will treat the first flush of site runoff which may contain small amounts of oil, gas, and suspended solids to be captured and treated.

There is no predevelopment impervious cover within the site. After development, this will increase to 0.44 acre, or 2.0% of the total project area included in the plans. Existing condition runoff was analyzed assuming the 22.50-ac tract had no existing impervious cover. Because existing impervious cover as shown in the site's approved plans was analyzed and permitted before Atlas 14 data had been published, the 2.871-ac existing development has been reanalyzed to determine the quantity of runoff generated under current conditions. All impervious cover was removed from calculations, less the roadway surface and sidewalk portion of Toro Grande Blvd. These values are provided under "Existing Flow (CFS)" in the table below. Proposed Flow with Detention analyzes the entirety of the 0.09 acres of impervious cover, being all existing impervious cover and all proposed impervious cover. With detention, proposed flows measured in cubic feet per second of volume do not exceed existing flows leaving the subject site.

Location	Existing Flow (CFS)			
	2	10	25	100
Point of Analysis Brushy Creek	185.80	280.10	345.50	460.50
	Proposed Flow With Detention (CFS)			
	2	10	25	100
	149.60	239.20	300.30	407.50
	Difference (CFS)			
	2	10	25	100
	-36.20	-40.90	-45.20	-53.00
	Proposed Flow Without Detention (CFS)			
	2	10	25	100
	246.30	370.90	457.10	607.90
Pond WSEL	804.20	804.70	804.80	804.90

**SUITABILITY LETTER FROM AUTHORIZED AGENT**  
**(NOT APPLICABLE)**

**ALTERNATIVE SECONDARY CONTAINMENT  
STRUCTURE DESIGN ROAD MAP  
(NOT APPLICABLE)**

# **AST CONTAINMENT STRUCTURE DRAWINGS**

**(NOT APPLICABLE)**

**20% OR LESS IMPERVIOUS COVER WAIVER  
(NOT APPLICABLE)**

## **BMPs FOR UPGRAIDENT STORMWATER**

Upgradient stormwater originates from two sources. The first source is treated runoff released from the commercial development north of the subject site. A sand filter system designed as a partial sedimentation & filtration pond treats site runoff before bypass flows enter an onsite detention pond. The site is located over the Edwards Aquifer Contributing Zone but no TCEQ permit numbers are provided on the City approved plans (reference CZP ID No. 1103416). Treated water released from this source will be captured and routed through the site via an underground culvert. No BMP treatment will be provided because the flows are already treated.

The second source is untreated runoff from a roadway surface. Runoff from 0.372-ac of Toro Grande Blvd is captured in a curb inlet and routed through the proposed batch extended detention system BMP. This runoff is counted in our water quality calculations as predevelopment impervious area within the drainage basin/outfall area. Please refer to the proposed drainage area map and TCEQ Total Suspended Solids calculations provided with this report.

## **BMPs FOR ON-SITE STORMWATER**

The proposed Toro Grande Shared Improvements development will result in approximately 0.44 acres of impervious cover treated by a batch extended detention system BMP with a TSS removal efficiency of 91%. The "TSS Removal Calculations" spreadsheet has been included to reflect the proposed development as stated. Refer to the construction plans for water quality calculations.

## **BMPs FOR SURFACE STREAMS**

There are no existing streams or sensitive features on site. Brushy Creek is located +/-210 feet from the property boundary and is the eventual receiving waters for runoff leaving the subject site. All runoff generated onsite will be treated by the proposed permanent BMPs before entering the creek. The proposed BMPs have been designed to remove 80% of the increase in Total Suspended Solids as per current TCEQ requirements.



# CONSTRUCTION PLANS

Plotted By: Marshall, Griffin Date: June 20, 2024 01:23:14pm File Path: K:\AUS\_Civil\069274410-Toro Grande Blvd\Cad\Shored Improvements\PlanSheets\C - Cover Sheet.dwg  
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL PLAN NOTES

1. ALL RESPONSIBILITY FOR THE ACCURACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF CEDAR PARK MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

2. NO PORTION OF THE SITE IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN PER FIRM PANEL NO. 48491C0470F, WILLIAMSON COUNTY, TEXAS AND INCORPORATED AREAS (EFFECTIVE DATE: DECEMBER 20, 2019).

3. NO STRUCTURES CAN BE BUILT WITHIN WATER & WASTEWATER EASEMENTS.

4. RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

5. AS PART OF THIS SITE PLAN, THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO BE ON SITE AT ALL TIMES.

6. APPROVAL OF THESE PLANS BY THE CITY OF CEDAR PARK INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.

7. THERE ARE NO HERITAGE OR PROTECTED TREES ON THE EXISTING SITE.

8. TDLR REGISTRATION NO. TABS2024013583

9. TCEQ EDWARDS AQUIFER PROTECTION PROGRAM ID NO. ##### REGULATED ENTITY NO. RN109069419

PROJECT DESCRIPTION:

MASTER INFRASTRUCTURE TO INCLUDE WATER QUALITY AND DETENTION POND, ±495 LF SHARED ACCESS DRIVE AISLE, AND DRIVEWAY CONNECTION TO TORO GRANDE BLVD.

1. A SITE DEVELOPMENT PERMIT SHALL EXPIRE TWO (2) YEARS FROM THE DATE SUCH PERMIT WAS APPROVED IF NO PROGRESS HAS BEEN MADE TOWARDS COMPLETION OF THE PROJECT, PURSUANT TO SECTION 245.005 OF THE TEXAS LOCAL GOVERNMENT CODE, AS AMENDED. (SEC. 14.03.009 (A)).

2. ANY PROJECT, AS DEFINED UNDER CHAPTER 245 OF THE TEXAS LOCAL GOVERNMENT CODE, AS AMENDED, SHALL EXPIRE ON THE FIFTH ANNIVERSARY OF THE DATE THE FIRST PERMIT APPLICATION WAS FILED FOR THE PROJECT, PURSUANT TO SECTION 245.005 OF THE TEXAS LOCAL GOVERNMENT CODE, AS AMENDED. (SEC. 14.03.009 (B)).

Site Information

The following information should be completed and placed on the cover sheet:

Owner: VASDA DEVELOPERS, LLC Address: 3109 KENAI DR, UNIT 109, CEDAR PARK, TX 78613

Phone: Cell: Acreage: 0.35 AC Total Impervious Cover: 15,585 SF

Legal Description: AWD015 AWD015 - ANDERSON, W. SUR., ACRES 16.2021, AWD015 ANDERSON, W. SUR., ACRES 2.8975, AWD015 ANDERSON, W. SUR., ACRES 6.00

Address: TORO GRANDE BLVD, CEDAR PARK, TX 78613

Land Use Summary: [square footage of building(s) for each land use and number of units if multi-family]

Zoning: Date:

Person Preparing Plan: RYAN SCHUBERT Company: KIMLEY-HORN AND ASSOCIATES, INC.

Address: 10814 JOLLYVILLE ROAD, BLDG IV, SUITE 200 AUSTIN, TX 78759

Phone: (512) 418-1771 Cell: N/A

Engineer: RYAN SCHUBERT Company: KIMLEY-HORN AND ASSOCIATES, INC.

Address: 10814 JOLLYVILLE ROAD, BLDG IV, SUITE 200 AUSTIN, TX 78759

Phone: (512) 418-1771 Cell: N/A

OWNER/DEVELOPER:

VASDA DEVELOPERS, LLC  
3109 KENAI DR, 109  
CEDAR PARK, TEXAS 78613

SURVEYOR:

ABRAM C. DASHNER  
MANHARD CONSULTING  
6448 E. HIGHWAY 290, SUITE B-105  
AUSTIN, TEXAS 78723  
PH. (512) 244-3395

ENGINEER:

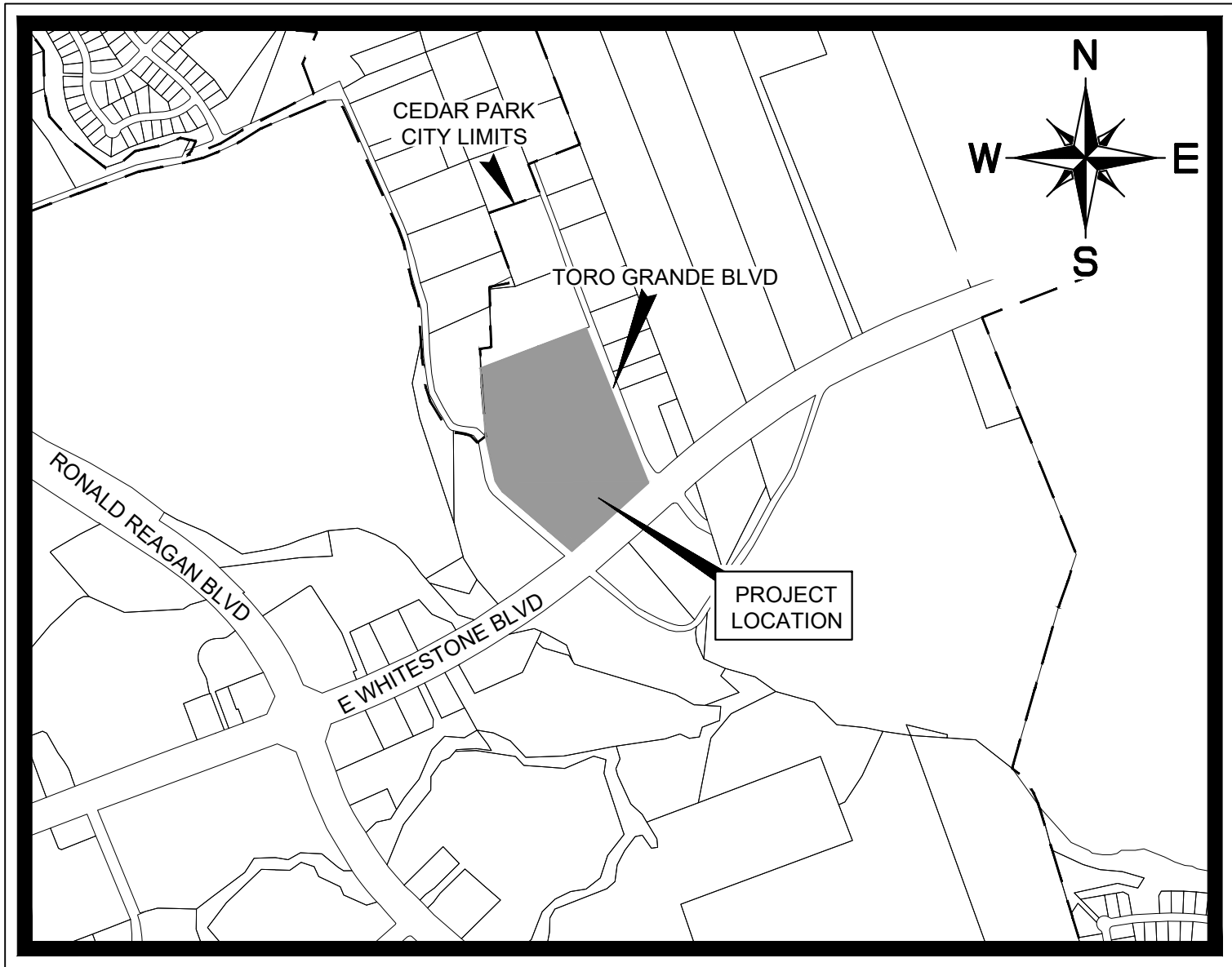
Kimley»Horn

RYAN P. SCHUBERT  
KIMLEY-HORN AND ASSOCIATES, INC.  
10814 JOLLYVILLE ROAD, AVALLON IV, SUITE 200  
AUSTIN, TEXAS 78759  
PH. (512) 418-1771

CIVIL SITE DEVELOPMENT PLANS  
FOR  
TORO GRANDE SHARED  
IMPROVEMENTS

TORO GRANDE BLVD  
CEDAR PARK, TEXAS 78613

CITY PROJECT NO. 2024-9-SD  
SUBMITTAL DATE: MARCH 11, 2024



VICINITY MAP  
SCALE: 1" = 1,000'

JUNE 2024

Reviewed for Code Compliance  
Signature required from all Departments

Planning \_\_\_\_\_ Date \_\_\_\_\_

Engineering Services \_\_\_\_\_ Date \_\_\_\_\_

Industrial Pretreatment \_\_\_\_\_ Date \_\_\_\_\_

Fire Prevention \_\_\_\_\_ Date \_\_\_\_\_

Landscape Planner \_\_\_\_\_ Date \_\_\_\_\_

Addressing \_\_\_\_\_ Date \_\_\_\_\_

Site Development Permit Number 2024-9-SD

I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THE INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

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

BENCHMARK INFORMATION:  
TBM #51  
CUT SQUARE IN TOP OF HEADWALL  
NORTHING = 10168857.71'  
EASTING = 3101715.60'  
NAVD88(GEOD18) ELEV. = 809.32'  
  
TBM #52  
CUT SQUARE IN CONCRETE  
NORTHING = 10168423.13'  
EASTING = 3101219.31'  
NAVD88(GEOD18) ELEV. = 802.56'  
  
SOURCE BENCHMARK INFORMATION:  
CEDAR PARK GPS MONUMENT 31 "CP31":  
3" BRASS DISK IN CONCRETE, STANDING ON  
THE EAST R.O.W. OF CR 272, NORTH OF E.  
WHITESTONE BLVD. (FM 1431), LOOKING SOUTH.  
NAVD88 (GEOD 99) ELEV. = 806.79'

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	KIMLEY-HORN GENERAL NOTES
4	EXISTING CONDITIONS & DEMO PLAN
5	EROSION CONTROL PLAN
6	OVERALL SITE, DIMENSION CONTROL & PAVING PLAN
7	GRADING PLAN
8	EXISTING DRAINAGE AREA MAP
9	PROPOSED DRAINAGE AREA MAP
10	STORM LINE SD-A PLAN & PROFILE
11	STORM LINE SD-B PLAN & PROFILE
12	STORM LINE SD-C PLAN & PROFILE
13	POND PLAN
14	PAVING DETAILS
15	WATER QUALITY DETAILS (SHEET 1 OF 2)
16	WATER QUALITY DETAILS (SHEET 2 OF 2)
17	STORM DRAIN DETAILS
18	EROSION CONTROL DETAILS

REVISIONS/CORRECTIONS					
NO.	DESCRIPTION	REVISE (R) VOID (V) ADD (A) SHEET NO.'S	TOTAL NO. SHEETS IN PLAN SET	CITY OF CEDAR PARK APPROVAL DATE	DATE IMAGED

Kimley»Horn

10814 JOLLYVILLE ROAD AVALLON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512-418-1771 FAX: 512-418-1791  
WWW.KIMLEY-HORN.COM  
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
TYPE Firm No. 926

06/20/2024

STATE OF TEXAS  
RYAN P. SCHUBERT  
145714  
LICENSED PROFESSIONAL ENGINEER

KHA PROJECT  
069274410

DATE  
JUNE 2024

SCALE: AS SHOWN

DESIGNED BY: RPS

DRAWN BY: GKM/CBC

CHECKED BY: JJK

TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER  
1  
OF 24

TORO GRANDE SHARED IMPROVEMENTS - 2024-9-SD







Plotted By: Marshall, Griffin Date: June 20, 2024 01:23:24pm File Path: K:\AUS\_Civil\069274410-Toro Grande Blvd\Shared Improvements\PlanSheets\C - Final Plat.dwg

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any part without liability to Kimley-Horn and Associates, Inc.

April 10, 2024 11:37

Draw Name: P:\X\074\069274410-Toro Grande Blvd\Shared Improvements\PlanSheets\C - Final Plat.dwg

Updated By: Benth

STATE OF TEXAS §  
KNOW ALL MEN BY THESE PRESENTS  
COUNTY OF WILLIAMSON §

THAT VASDA DEVELOPERS LLC, SOLE OWNER OF THAT CERTAIN 22.493 ACRE TRACT SHOWN HEREON AND SITUATED IN THE WASHINGTON ANDERSON SURVEY, ABSTRACT NO. 15, IN WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THAT CERTAIN 25.23 ACRE TRACT DESCRIBED IN A DEED RECORDED IN DOCUMENT NO. 2021140921, OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS, DO HEREBY SUBDIVIDE SAID TRACT AS SHOWN HEREON; DO HEREBY COVENANT TO ALL RESTRICTIONS LISTED HEREIN, WHICH SHALL RUN WITH THE LAND; AND DO HEREBY DEDICATE TO THE CITY OF CEDAR PARK THE STREETS, ALLEYS, RIGHTS-OF-WAY, EASEMENTS AND PUBLIC PLACES SHOWN HEREON FOR SUCH PUBLIC PURPOSES AS THE CITY OF CEDAR PARK MAY DEEM APPROPRIATE. I HEREBY BIND MY HEIRS, SUCCESSORS, AND ASSIGNS TO WARRANT AND FOREVER DEFEND SUCH DEDICATIONS, ALL AND SINGULAR, TO THE CITY OF CEDAR PARK AGAINST EVERY PERSON WHOMSOEVER CLAIMING OR TO CLAIM THE SAME OR ANY PART THEREOF. THIS SUBDIVISION IS TO BE KNOWN AS VSTONE LLC SUBDIVISION

TO CERTIFY WHICH, WITNESS BY MY HAND THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_:

VASDA DEVELOPERS LLC  
3109 KENAI DRIVE, UNIT 109  
CEDAR PARK, TX 78613

STATE OF TEXAS §  
KNOW ALL MEN BY THESE PRESENTS  
COUNTY OF WILLIAMSON §

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND

STATE, ON THIS DAY PERSONALLY APPEARED \_\_\_\_\_  
KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2024.

NOTARY PUBLIC  
IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES ON: \_\_\_\_\_

#### ENGINEER'S CERTIFICATION:

I, RYAN SCHUBERT, REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS SUBDIVISION IS IN THE EDWARDS AQUIFER RECHARGE ZONE AND IS NOT ENCRACHERD BY A ZONE "AT" FLOOD AREA, AS DENOTED HEREIN, AND AS DEFINED BY FEDERAL EMERGENCY MANAGEMENT ADMINISTRATION FLOOD HAZARD BOUNDARY MAP, COMMUNITY PANEL NUMBER 48491C0470F, EFFECTIVE DATE DECEMBER 20, 2019, AND THAT EACH LOT CONFORMS TO THE CITY OF CEDAR PARK REGULATIONS.

THE FULLY DEVELOPED, CONCENTRATED STORMWATER RUNOFF RESULTING FROM THE ONE HUNDRED (100) YEAR FREQUENCY STORM IS CONTAINED WITHIN THE DRAINAGE EASEMENTS SHOWN AND/OR PUBLIC RIGHTS-OF-WAY DEDICATED BY PLAT.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT AUSTIN, TRAVIS COUNTY, TEXAS,

THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2024.

RYAN SCHUBERT  
REGISTERED PROFESSIONAL ENGINEER  
NO. 145714 STATE OF TEXAS  
KIMLEY-HORN  
10814 JOLLYVILLE RD #200  
AUSTIN, TX 78759  
(512) 418-1771

#### SURVEYOR'S CERTIFICATION:

THE STATE OF TEXAS §  
COUNTY OF TRAVIS §

I, ABRAM C. DASHNER, REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECTLY MADE FROM AN ACTUAL SURVEY MADE ON THE GROUND OF THE PROPERTY LEGALLY DESCRIBED HEREON, THAT ALL EXISTING EASEMENTS ON OR ADJACENT TO THE PROPOSED SUBDIVISION ARE SHOWN AS NOTED IN THE MOST RECENT TITLE SURVEY OR DISCOVERED WITH A TITLE SEARCH PREPARED IN CONJUNCTION WITH THE MOST RECENT PURCHASE OF THE PROPERTY, AND THAT THERE ARE NO APPARENT DISCREPANCIES, CONFLICTS, OVERLAPPING OF IMPROVEMENTS, VISIBLE UTILITY LINES OR ROADS IN PLACE, EXCEPT AS SHOWN ON THE ACCOMPANYING PLAT, AND THAT THE CORNER MONUMENTS SHOWN THEREON WERE PROPERLY PLACED UNDER MY SUPERVISION IN ACCORDANCE WITH THE SUBDIVISION REGULATIONS OF THE CITY OF CEDAR PARK, TEXAS.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT AUSTIN, TRAVIS COUNTY, TEXAS, THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

ABRAM C. DASHNER  
RPLS NO. 5901  
MANHARD CONSULTING  
6449 E HWY 290, SUITE B-105  
AUSTIN, TEXAS 78723

CITY OF CEDAR PARK  
STANDARD PLAT NOTES  
REVISED NOVEMBER 2, 2021

1. CONSTRUCTION PLANS AND SPECIFICATIONS FOR ALL SUBDIVISION IMPROVEMENTS SHALL BE REVIEWED AND APPROVED BY THE CITY OF CEDAR PARK PRIOR TO ANY CONSTRUCTION WITHIN THE SUBDIVISION.

2. ALL SUBDIVISION CONSTRUCTION SHALL CONFORM TO THE CITY OF CEDAR PARK CODE OF ORDINANCES, CONSTRUCTION STANDARDS, AND GENERALLY ACCEPTED ENGINEERING PRACTICES.

3. ON-SITE STORM WATER DETENTION FACILITIES WILL BE PROVIDED TO REDUCE POST-DEVELOPMENT PEAK RATES OF DISCHARGE OF THE 2, 10, 25 AND 100-YR. STORM EVENTS.

4. THE OWNER OF THIS SUBDIVISION, AND HIS OR HER SUCCESSORS AND ASSIGNS, ASSUMES RESPONSIBILITY FOR PLANS FOR CONSTRUCTION OF SUBDIVISION IMPROVEMENTS WHICH COMPLY WITH APPLICABLE CODES AND REQUIREMENTS OF THE CITY OF CEDAR PARK. THE OWNER UNDERSTANDS AND ACKNOWLEDGES THAT PLAT VACATION OR REPLATING MAY BE REQUIRED, AT THE OWNER'S SOLE EXPENSE, IF PLANS TO CONSTRUCT THIS SUBDIVISION DO NOT COMPLY WITH SUCH CODES AND REQUIREMENTS.

5. NO LOT IN THIS SUBDIVISION SHALL BE OCCUPIED UNTIL CONNECTED TO THE CITY OF CEDAR PARK WATER DISTRIBUTION AND WASTEWATER COLLECTION FACILITIES.

6. THIS SUBDIVISION PLAT WAS APPROVED AND RECORDED BEFORE THE CONSTRUCTION AND ACCEPTANCE OF STREETS AND/OR OTHER SUBDIVISION IMPROVEMENTS. THE OWNER OF THIS SUBDIVISION AND HIS OR HER SUCCESSORS AND ASSIGNS, ARE RESPONSIBLE FOR THE CONSTRUCTION OF ALL STREETS, WATER SYSTEMS, WASTEWATER SYSTEMS, AND OTHER FACILITIES NECESSARY TO SERVE THE LOTS WITHIN THE SUBDIVISION.

7. SITE DEVELOPMENT CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE CITY OF CEDAR PARK PRIOR TO ANY CONSTRUCTION.

8. WASTEWATER AND WATER SYSTEMS SHALL CONFORM TO TCEQ (TEXAS COMMISSION ON ENVIRONMENTAL QUALITY) AND STATE BOARD OF INSURANCE REQUIREMENTS. THE OWNER UNDERSTANDS AND ACKNOWLEDGES THAT PLAT VACATION OR REPLATING MAY BE REQUIRED, AT THE OWNER'S SOLE EXPENSE, IF PLANS TO DEVELOP THIS SUBDIVISION DO NOT COMPLY WITH SUCH CODES AND REQUIREMENTS.

9. NO BUILDINGS, FENCES, LANDSCAPING OR OTHER STRUCTURES ARE PERMITTED WITHIN DRAINAGE EASEMENTS SHOWN, EXCEPT AS APPROVED BY THE CITY OF CEDAR PARK PUBLIC WORKS DEPARTMENT.

10. PROPERTY OWNER SHALL PROVIDE FOR ACCESS TO DRAINAGE EASEMENTS AS MAY BE NECESSARY AND SHALL NOT PROHIBIT ACCESS BY CITY OF CEDAR PARK.

11. ALL EASEMENTS ON PRIVATE PROPERTY SHALL BE MAINTAINED BY THE PROPERTY OWNER OR HIS OR HER ASSIGNS.

12. FISCAL SURETY FOR SUBDIVISION CONSTRUCTION, IN A FORM ACCEPTABLE TO THE CITY OF CEDAR PARK, SHALL BE PROVIDED PRIOR TO PLAT APPROVAL BY THE PLANNING AND ZONING COMMISSION.

13. IN ADDITION TO THE EASEMENT SHOWN HEREON, A TEN (10) FOOT WIDE PUBLIC UTILITY EASEMENT (P.U.E.) IS HEREBY DEDICATED ADJACENT TO STREET ROW ON ALL LOTS. A FIVE (5) FOOT WIDE P.U.E. IS HEREBY DEDICATED ALONG EACH SIDE LOT LINE. A SEVEN AND ONE HALF (7 1/2) FOOT WIDE P.U.E. IS HEREBY DEDICATED ADJACENT TO ALL REAR LOT LINES.

14. COMMUNITY IMPACT FEES FOR INDIVIDUAL LOTS TO BE PAID PRIOR TO ISSUANCE OF ANY BUILDING PERMITS.

15. DEVELOPER SHALL BE RESPONSIBLE FOR ALL RELOCATION AND MODIFICATIONS TO EXISTING UTILITIES.

16. A PORTION OF THIS TRACT LIES WITHIN FLOOD HAZARD AREA ZONE "X SHADED", AS SHOWN ON THE FLOOD INSURANCE RATE MAP PANEL # 48491C0470F FOR WILLIAMSON CO., EFFECTIVE DECEMBER 20, 2019. ZONE "X SHADED" IS DEFINED AS AREAS DETERMINED TO BE WITHIN THE 0.2% AND 1% ANNUAL CHANCE FLOODPLAIN.

17. TEMPORARY AND PERMANENT EASEMENTS TO BE PROVIDED AS REQUIRED FOR OFF-SITE WATER, WASTEWATER AND DRAINAGE IMPROVEMENTS.

18. ALL PROPOSED ACCESS POINTS AND/OR ACCESS EASEMENTS INTERSECTING WITH PUBLIC ROADWAY ROW SHALL BE IN COMPLIANCE WITH CITY ACCESS STANDARDS AS DESCRIBED IN CHAPTER 14 OF CITY CODE.

19. THIS SITE IS LOCATED WITHIN THE EDWARDS AQUIFER CONTRIBUTING ZONE. DEVELOPMENT OF THIS SITE WILL COMPLY WITH ALL APPLICABLE TCEQ EDWARDS AQUIFER RULES.

20. THIS SUBDIVISION IS NOT SUBJECT TO THE LAKE TRAVIS NON-POINT SOURCE POLLUTION CONTROL ORDINANCE OF THE CEDAR PARK CITY CODE. A NON-POINT SOURCE POLLUTION DEVELOPMENT PERMIT IS REQUIRED PRIOR TO ANY CONSTRUCTION WITHIN THE SUBDIVISION.

21. PRIOR TO SUBDIVISION/SITE PLAN APPROVAL, THE ENGINEER SHALL SUBMIT TO THE CITY OF CEDAR PARK (COOP) DOCUMENTATION OF SUBDIVISION/SITE REGISTRATION WITH THE TEXAS DEPARTMENT OF LICENSING AND REGULATIONS (TDLR) AND PROVIDE DOCUMENTATION OF REVIEW AND COMPLIANCE OF THE SUBDIVISION CONSTRUCTION PLANS WITH TEXAS ARCHITECTURAL BARRIERS ACT (TABA).

22. ALL PROPOSED FENCES AND WALLS ADJACENT TO INTERSECTING PUBLIC ROADWAY RIGHT-OF-WAY OR ADJACENT TO PRIVATE ACCESS POINTS SHALL BE IN COMPLIANCE WITH CITY CODE SECTION 14.05.007 SIGHT DISTANCE REQUIREMENTS. INSTALLING A FENCE OR WALL WHICH DOES NOT COMPLY WITH THE CITY'S SIGHT DISTANCE REQUIREMENTS OR FENCING REGULATIONS IS A VIOLATION OF THE CITY'S ORDINANCE AND MAY BE PUNISHABLE PURSUANT TO SECTION 1.01.009.

23. NO BUILDINGS, FENCES, RETAINING WALLS, SIGNS, PONDS, TREES, PARKING LOTS, OR OTHER STRUCTURES ARE PERMITTED WITHIN ANY OF THE PUBLIC WATER OR WASTEWATER EASEMENTS SHOWN ON THIS PLAT EXCEPT AS APPROVED BY THE CITY OF CEDAR PARK PUBLIC WORKS DEPARTMENT.

#### ADDITIONAL PLAT NOTES

24. THIS SUBDIVISION SHALL COMPLY WITH THE MAJOR CORRIDOR ORDINANCE OF THE CITY OF CEDAR PARK.

25. PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS ON LOTS IN THIS SUBDIVISION, BUILDING PERMITS WILL BE OBTAINED FROM THE CITY OF CEDAR PARK.

26. THIS PLAT DOES NOT REMOVE ANY COVENANTS OR RESTRICTIONS.

27. THIS SUBDIVISION WILL BE IN FULL COMPLIANCE WITH THE LANDSCAPE AND TREE ORDINANCE OF THE CITY OF CEDAR PARK, TEXAS.

28. ADDITIONAL ACCESS THAT MEETS THE REQUIREMENTS OF THE INTERNATIONAL FIRE CODE IN ALL RESPECTS, INCLUDING IN TERMS OF REMOTENESS, MUST BE PROVIDED IF THE PROPOSED USE SO REQUIRES AT THE TIME OF SITE PLAN.

29. SETBACKS NOT SHOWN ON LOTS SHALL CONFORM TO CITY OF CEDAR PARK ZONING ORDINANCE.

30. ANY ON-SITE WATER WELLS WOULD HAVE TO BE CAPPED AND PLUGGED IN ACCORDANCE WITH 16 TAC §76.104 AND RECORDED IN THE TEXAS WATER DEVELOPMENT BOARD PLUGGED WELL DATABASE, AND ANY ON-SITE SEPTIC FACILITY (OSSF) WOULD HAVE TO BE ABANDONED IN ACCORDANCE WITH 30 TAC §285.36.

31. ALL DRIVEWAYS, DRIVE AISLES AND FIRE LANES WITHIN THIS SUBDIVISION SHALL PROVIDE RECIPROCAL CROSS ACCESS TO LOTS THROUGHOUT THE SUBDIVISION AND TO ADJACENT LOTS ALONG THE BOUNDARIES OF THE SUBDIVISION UNLESS PORTIONS OF DRIVE AISLE CONNECTIVITY ARE SPECIFICALLY WAIVED BY THE DIRECTOR OF DEVELOPMENT SERVICES FOR QUALIFYING CIRCUMSTANCES.

## FINAL PLAT OF VSTONE LLC SUBDIVISION

22.493 ACRES OUT OF THE WASHINGTON ANDERSON SURVEY, ABSTRACT NO. 15, WILLIAMSON COUNTY, TEXAS.

#### DESCRIPTION

22.493 ACRES SITUATED IN THE WASHINGTON ANDERSON SURVEY, ABSTRACT NO. 15 IN WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THAT CERTAIN 25.23 ACRE TRACT CONVEYED TO VASDA DEVELOPERS LLC, BY DEED OF RECORD IN DOCUMENT NO. 2021140921, OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 22.493 ACRE TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

**BEGINNING**, AT A TxDOT TYPE II MONUMENT FOUND AT THE INTERSECTION OF THE NORTHWEST RIGHT-OF-WAY LINE OF FM 1431 (200' R.O.W.) AND THE NORTHEAST RIGHT-OF-WAY LINE OF CO. RD. 272 (R.O.W. VARIES), FOR THE SOUTHWESTERLY CORNER HEREOF;

**THENCE**, ALONG SAID NORTHEAST RIGHT-OF-WAY LINE OF CO. RD. 272, BEING THE WEST LINE OF SAID 25.23 ACRE TRACT, THE FOLLOWING TWO (2) COURSES AND DISTANCES:

- N48°54'34"W, A DISTANCE OF 627.02 FEET TO A 1/2-INCH IRON ROD FOUND, FOR AN ANGLE POINT;
- N13°07'38"W, A DISTANCE OF 317.68 FEET TO A 1/2-INCH IRON ROD FOUND AT THE SOUTHEAST CORNER OF THAT CERTAIN 5.00 ACRE TRACT CONVEYED TO WILLIAM R. DEICHER AND HEATHER DEICHER, BY DEED OF RECORD IN DOCUMENT NO. 2012030561, OF SAID OFFICIAL PUBLIC RECORDS, FOR AN ANGLE POINT;

**THENCE**, LEAVING SAID NORTHEAST RIGHT-OF-WAY LINE, ALONG THE EAST LINE OF SAID 5.00 ACRE TRACT, BEING THE WEST LINE OF SAID 25.23 ACRE TRACT, THE FOLLOWING THREE (3) COURSES AND DISTANCES:

- N09°30'32"W, A DISTANCE OF 212.60 FEET TO A 1/2-INCH IRON ROD FOUND, FOR AN ANGLE POINT;
- N04°23'29"E, A DISTANCE OF 63.54 FEET TO A 1/2-INCH IRON ROD FOUND, FOR AN ANGLE POINT;
- N01°32'31"W, A DISTANCE OF 172.69 FEET TO A 1/2-INCH IRON ROD FOUND AT THE SOUTHWEST CORNER OF LOT 1, BLOCK A TUMBLE TECH SUBDIVISION, OF RECORD IN DOCUMENT NO. 2022131295, OF SAID OFFICIAL PUBLIC RECORDS, FOR THE NORTHWESTERLY CORNER HEREOF;

**THENCE**, N69°09'02"E, LEAVING THE EAST LINE OF SAID 5.00 ACRE TRACT, OVER AND ACROSS SAID 25.23 ACRE TRACT, ALONG THE SOUTH LINE OF SAID LOT 1, A DISTANCE OF 394.39 FEET TO A 1/2-INCH IRON ROD FOUND AT AN ANGLE POINT IN THE NORTH LINE OF SAID 25.23 ACRE TRACT, BEING AN ANGLE POINT IN THE SOUTH LINE OF SAID LOT 1, FOR AN ANGLE POINT;

**THENCE**, N69°07'12"E, IN PART ALONG THE SOUTH LINE OF SAID LOT 1, AND IN PART ALONG THE WEST RIGHT-OF-WAY LINE OF TORO GRANDE BLVD (R.O.W. VARIES), BEING THE NORTH LINE OF SAID 25.23 ACRE TRACT, A DISTANCE OF 345.97 FEET TO A 1/2-INCH IRON ROD FOUND AT AN ANGLE POINT IN SAID WEST RIGHT-OF-WAY LINE, BEING THE MOST EASTERLY NORTHEAST CORNER OF SAID 25.23 ACRE TRACT, FOR THE NORTHEASTERLY CORNER HEREOF;

**THENCE**, S20°53'03"E, CONTINUING ALONG SAID WEST RIGHT-OF-WAY LINE, BEING THE EAST LINE OF SAID 25.23 ACRE TRACT, A DISTANCE OF 1065.27 FEET TO A CALCULATED POINT AT THE INTERSECTION OF SAID WEST RIGHT-OF-WAY LINE OF TORO GRANDE BOULEVARD AND SAID NORTHWEST RIGHT-OF-WAY LINE OF FM 1431, FOR THE SOUTHEASTERLY CORNER OF SAID 25.23 ACRE TRACT AND HEREOF;

**THENCE**, ALONG SAID NORTHWEST RIGHT-OF-WAY LINE, BEING THE SOUTH LINE OF SAID 25.23 ACRE TRACT, THE FOLLOWING TWO (2) COURSES AND DISTANCES:

- S47°54'23"W, A DISTANCE OF 377.72 FEET TO A TxDOT TYPE II MONUMENT FOUND AT THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT;
- ALONG SAID CURVE, HAVING A RADIUS OF 5629.58 FEET, A CENTRAL ANGLE OF 02°50'36", AN ARC LENGTH OF 279.38 FEET, AND A CHORD WHICH BEARS S49°15'19"W, A DISTANCE OF 279.35 FEET TO THE **POINT OF BEGINNING**, AND CONTAINING 22.493 ACRES (979,791 SQUARE FEET) OF LAND, MORE OR LESS.

THIS SUBDIVISION TO BE KNOWN AS VSTONE LLC SUBDIVISION HAS BEEN ACCEPTED AND APPROVED FOR FILING OF RECORD WITH THE COUNTY CLERK OF WILLIAMSON COUNTY, TEXAS, ACCORDING TO THE MINUTES OF THE MEETING OF THE

CEDAR PARK PLANNING AND ZONING COMMISSION ON THE \_\_\_\_ DAY OF

\_\_\_\_\_, 2024, A.D.

RALPH E. STRADER, II, CHAIRMAN DATE

KIMBERLY BRADFORD-BROWN, SECRETARY DATE

I, AMY LINK, DIRECTOR OF DEVELOPMENT SERVICES OF THE CITY OF CEDAR PARK, TEXAS, DO HEREBY CERTIFY ATTEST AND AUTHORIZE THIS PLAT TO BE FILED FOR RECORD WITH THE COUNTY CLERK OF WILLIAMSON COUNTY, TEXAS.

AMY LINK, DIRECTOR OF DEVELOPMENT SERVICES DATE

STATE OF TEXAS §  
KNOW ALL MEN BY THESE PRESENTS  
COUNTY OF WILLIAMSON §

I, NANCY E. RISTER, CLERK OF THE COUNTY COURT OF SAID COUNTY, DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT IN WRITING, WITH ITS CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORD

IN MY OFFICE ON THE \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_, A.D., AT \_\_\_\_ O'CLOCK, \_\_\_\_ .M AND DULY

RECORDED THIS THE \_\_\_\_ DAY OF \_\_\_\_ 20\_\_\_\_, A.D., AT \_\_\_\_ O'CLOCK, \_\_\_\_ .M. IN THE OFFICIAL

PUBLIC RECORDS OF SAID COUNTY IN INSTRUMENT NO. \_\_\_\_\_

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT THE COUNTY COURT OF SAID COUNTY, AT MY OFFICE IN GEORGETOWN, TEXAS, THE DATE LAST SHOWN ABOVE WRITTEN.

NANCY E. RISTER, CLERK COUNTY COURT OF WILLIAMSON COUNTY, TEXAS.

BY: DEPUTY



VSTONE LLC SUBDIVISION

3521 FM 1431, Cedar Park, Williamson County, TX 78641

FINAL PLAT

REVISED: \_\_\_\_\_  
PROJ. MGR.: AD  
DRAWN BY: TRS  
SURVEY DATE: 01/06/23  
ISSUE DATE: 04/10/24  
SCALE: 1"=100'

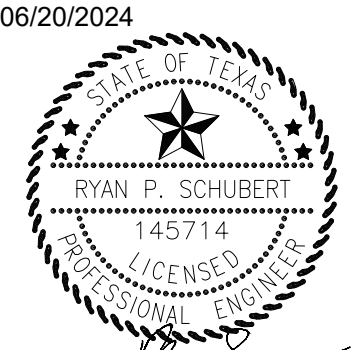
SHEET

2 OF 2

TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

FINAL PLAT  
(SHEET 2 OF 2)

KHA PROJECT  
069274410  
DATE  
JUNE 2024  
SCALE: AS SHOWN  
DESIGNED BY: RPS  
DRAWN BY: GKM/CBC  
CHECKED BY: JJK



06/20/2024

**Kimley»Horn**  
10814 JOLLYVILLE ROAD AVALLON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512-418-1771 FAX: 512-418-1791  
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TYPE FIRM NO. 928

SHEET NUMBER  
3  
OF 24

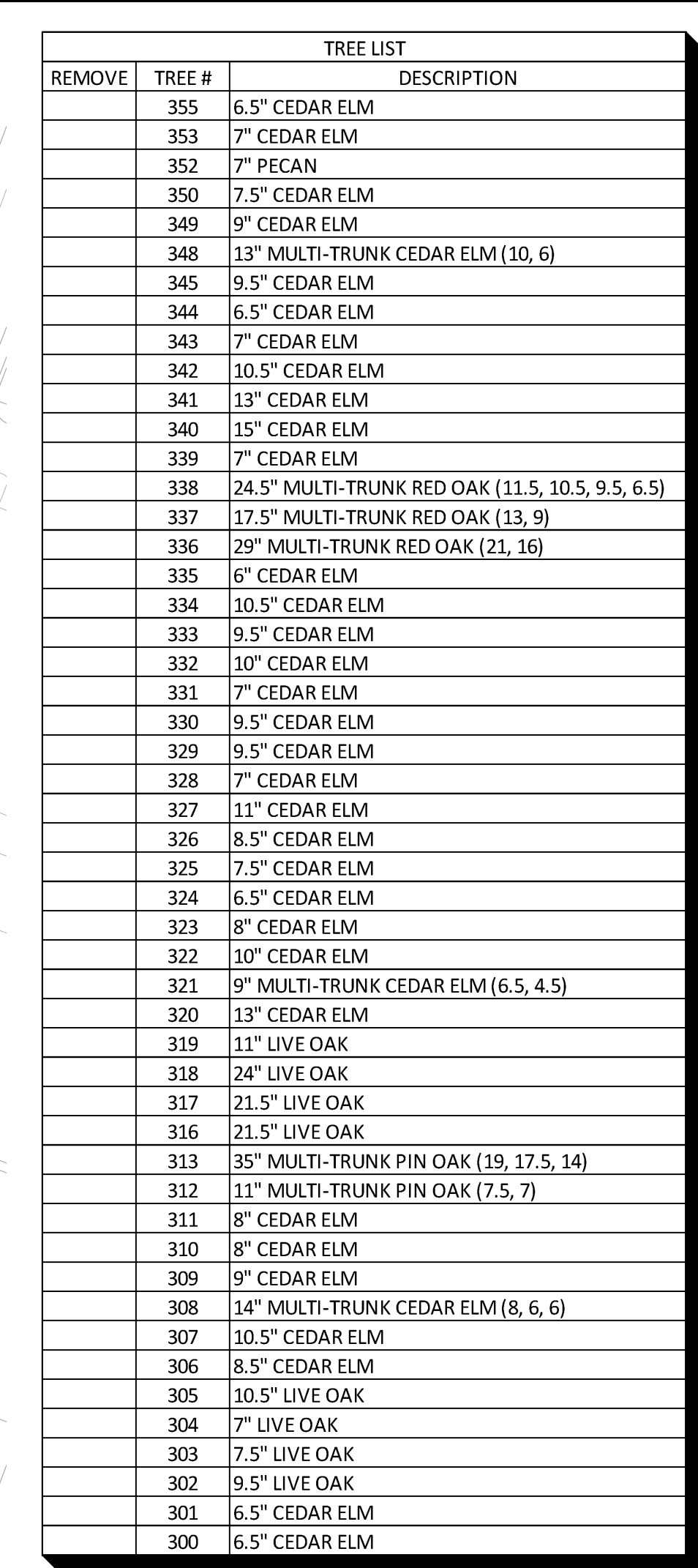








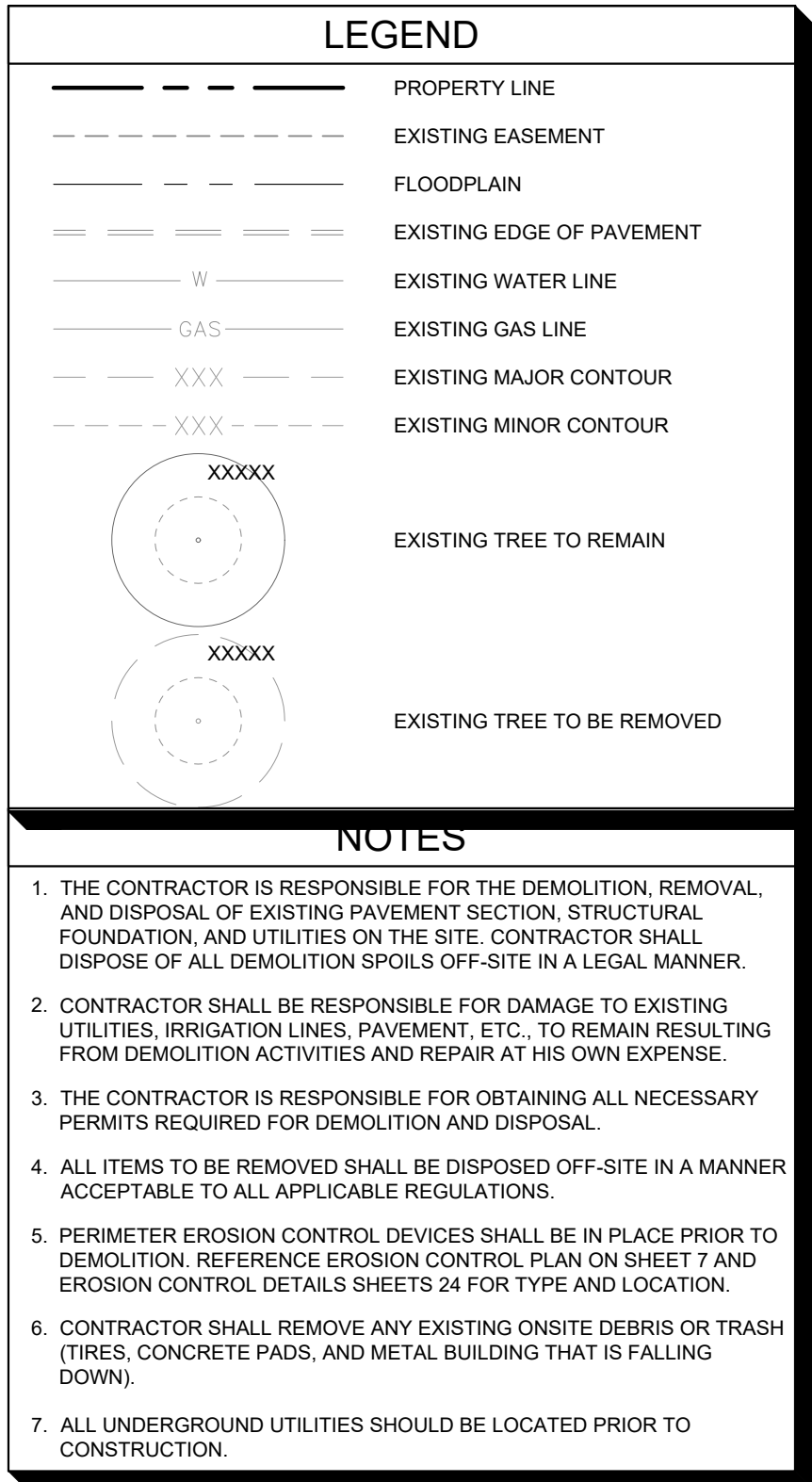
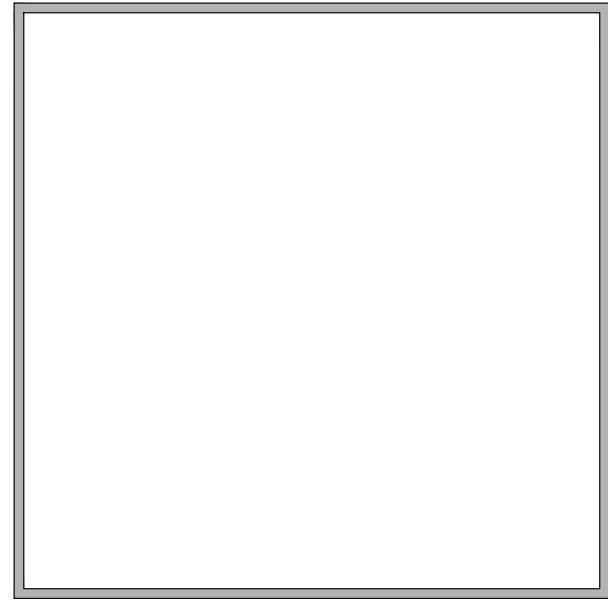




**BENCHMARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE TOP OF POLE HEADWALL  
 NORTHING = 10168857.71'  
 EASTING = 11015713.60'  
 NAVD88(GEOD18) ELEV. = 809.32'

**TBM #52**  
 CUT SQUARE IN CONCRETE  
 NORTHING = 10168423.13'  
 EASTING = 1101219.13'  
 NAVD88(GEOD18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
 CEDAR PARK G.P.S MONUMENT #31 "CP31":  
 \* BE BRASS DISK IN CONCRETE, STANDING ON  
 THE EAST R.O.F. OF CR 272, NORTH OF E  
 WHITESTONE BLVD. (FM 1431), LOOKING SOUTH  
 NAVD88 (GEOD 99) ELEV. = 806.79'

[illegible]

**Kimley»»Horn**  
10814 JOLLYVILLE ROAD AVALON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512.476.1000 FAX: 512.476.1791  
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TBPB Firm No. 928



KHA PROJECT 069274410	DATE JUNE 2024
SCALE: AS SHOWN	DESIGNED BY: RPS
	DRAWN BY: GKM,CBC
	CHECKED BY: JJK

## EXISTING CONDITIONS & DEMO PLAN

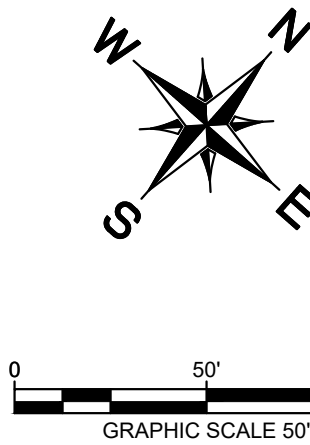
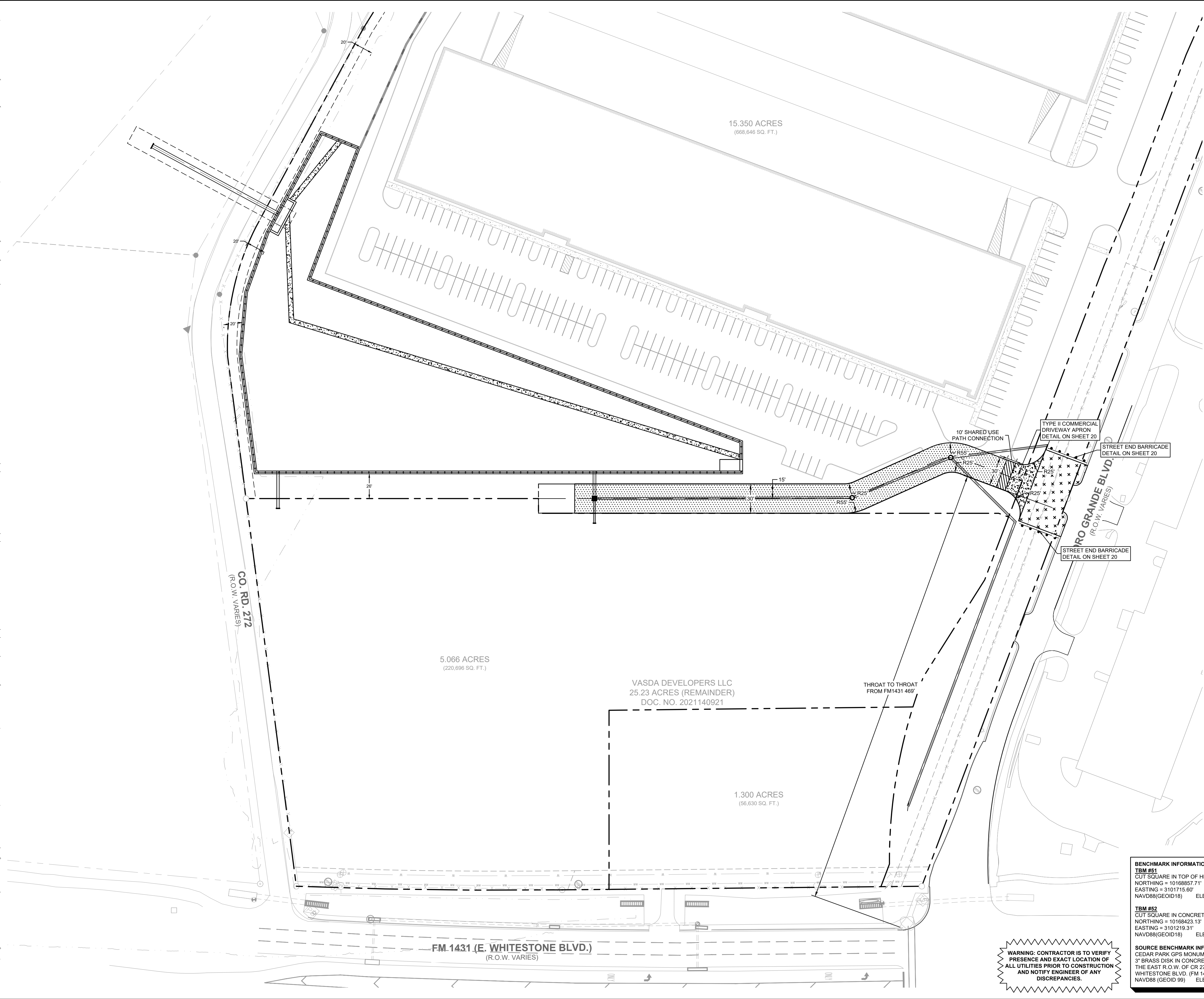
**TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS**  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER  
6  
OF 24









**LEGEND**

---	PROPERTY LINE
FL	PROPOSED FIRE LANE
[Pattern]	SHARED ACCESS DRIVE PAVEMENT SECTION
[Pattern]	HEAVY DUTY CONCRETE PAVEMENT
[Pattern]	TORO GRANDE PAVEMENT SECTION (HEREON)
[Pattern]	PROPOSED SHARED USE PATH CONNECTION & ADA STRIPING

**NOTES**

1. ALL FIRE DEPARTMENT ACCESS DRIVES/ROADS TO HAVE A MINIMUM 13'-6" VERTICAL CLEARANCE.
2. ESTABLISH FIRE ZONES AS SHOWN ON SITE BY PAINTING CURB RED. STENCIL THE WORDS "FIRE ZONE/TOW-AWAY ZONE" IN WHITE LETTERS AT LEAST 3 INCHES HIGH AT 35-FOOT INTERVALS ALONG THE CURB. ALSO, SIGNS SHALL BE POSTED AT BOTH ENDS OF A FIRE ZONE. ALTERNATE MARKING OF THE FIRE LANES MAY BE APPROVED BY THE FIRE CHIEF, PROVIDED THE FIRE LANES ARE CLEARLY IDENTIFIED AT BOTH ENDS AND AT INTERVALS NOT TO EXCEED 35 FEET. SEC. 901.4.2
3. CONTRACTOR TO HAVE STAKING VERIFIED BY OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
5. RETAINING WALLS OVER FOUR FEET IN HEIGHT MEASURED FROM THE BOTTOM OF FOOTING TO THE TOP OF THE WALL SHALL BE ENGINEERED AND REQUIRE A SEPARATE BUILDING PERMIT [BC 105.2].
6. SCREENING FOR SOLID WASTE COLLECTION AND LOADING AREAS SHALL BE THE SAME AS, OR OF EQUAL QUALITY TO, PRINCIPAL BUILDING MATERIALS.

**GEOTECH NOTE:**

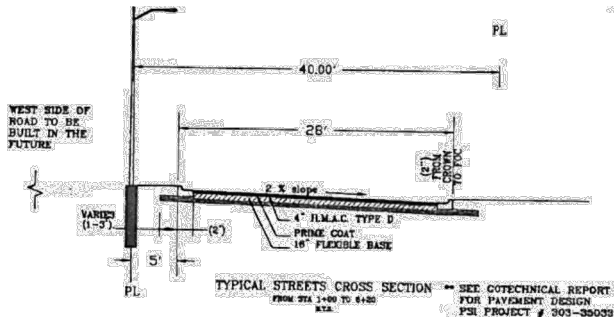
REFER TO GEOTECHNICAL REPORT BY:  
**TERRADYNE**

GEOTECH PROJECT NUMBER: **A241042**

DATED: **MARCH 26, 2024**

**STRUCTURAL WALL NOTE:**

WALLS WILL NOT BE BUILT ON SITE UNTIL A STRUCTURAL WALL DETAIL IS REVIEWED AND APPROVED BY CITY STAFF, EXCEPT FOR WALLS RELATED TO CONSTRUCTION OF THE BUILDING STRUCTURE.



**BENCHMARK INFORMATION:**

**TBM #51**  
CUT SQUARE IN TOP OF HEADWALL  
NORTHING = 10168857.71'  
EASTING = 3101715.60'  
NAVD88(GEOID18) ELEV. = 809.32'

**TBM #52**  
CUT SQUARE IN CONCRETE  
NORTHING = 10168423.13'  
EASTING = 3101219.31'  
NAVD88(GEOID18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
CEDAR PARK GPS MONUMENT 31 "CP31":  
3" BRASS DISK IN CONCRETE, STANDING ON THE EAST R.O.W. OF CR 272, NORTH OF E. WHITESTONE BLVD. (FM 1431), LOOKING SOUTH.  
NAVD88 (GEOID 99) ELEV. = 806.79'

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**

10814 JOLLYVILLE ROAD AVALON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512-418-1771 FAX: 512-418-1791  
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TYPE FIRM No. 928

06/20/2024

STATE OF TEXAS  
RYAN P. SCHUBERT  
145714  
LICENSED PROFESSIONAL ENGINEER

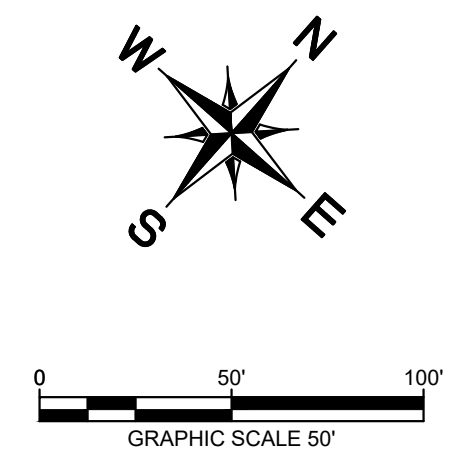
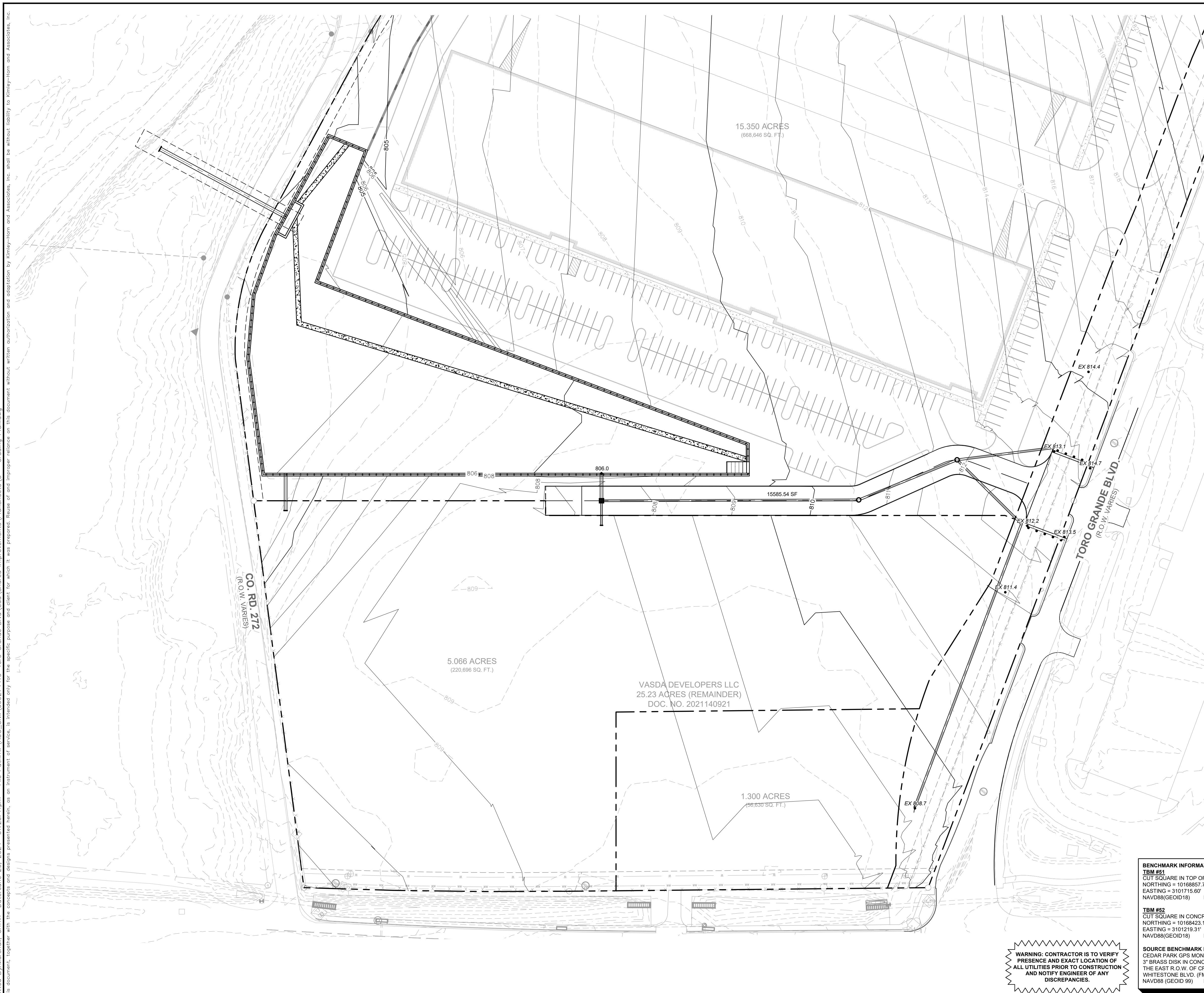
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
069274410	JUNE 2024	AS SHOWN	RPS	GKM/CBC	JJK

OVERALL SITE,  
DIMENSION CONTROL  
& PAVING PLAN

TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER  
**8**  
OF 24





LEGEND	
	PROPERTY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED DRY STACK WALL
	HIGH POINT
	PROPOSED FINISHED FLOOR ELEVATION
	PROPOSED TOP OF PAVEMENT ELEVATION
	PROPOSED GRADE AT TOP OF WALL
	PROPOSED GRADE AT BOTTOM OF WALL
	PROPOSED GRADE AT END OF WALL
	PROPOSED TOP OF GRATE ELEVATION
	EXISTING GRADE

## NOTES

1. ALL PROPOSED ELEVATIONS ARE TOP OF PAVEMENT OR NATURAL GRADE UNLESS OTHERWISE NOTED.
2. ALL TOP OF WALL ELEVATIONS ARE TO TOP OF GRADE AT WALL.
3. ALL BOTTOM OF WALL ELEVATIONS ARE TO BOTTOM OF GRADE AT WALL.
4. CONTRACTOR TO VERIFY A.D.A. COMPLIANCE FOR GRADES IN ALL SIDEWALK ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS. SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS. NOT EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE AND NOT EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS.
5. MAINTAIN EXISTING GRADE IN TREE WELLS. CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO AREA INLETS.

**SOURCE BENCHMARK INFORMATION:**  
**TBM #51**  
CUT SQUARE IN TOP OF HEADWALL  
NORTHING = 10168857.71  
EASTING = 31011715.60  
NAVD88(GEOID18) ELEV. = 809.32'

**TBM #52**  
CUT SQUARE IN CONCRETE  
NORTHING = 10168423.13  
EASTING = 3101219.31  
NAVD88(GEOID18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
CEDAR PARK GPS MONUMENT "1" "CP31":  
3" BRASS DISK IN CONCRETE, STANDING ON  
THE EAST R.O.W. OF CR 272, NORTH OF E.  
WHITESIDE BLVD. (FM 1431), LOOKING SOUTH  
NAVD88 (GEOID 98) ELEV. = 806.79'

**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**  
10814 JOLLYVILLE ROAD AVALON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512-418-1771 FAX: 512-418-1791  
WWW.KIMLEY-HORN.COM  
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TDEP Firm No. 926

KHA PROJECT 069274410	DATE JUNE 2024	SCALE: AS SHOWN	DESIGNED BY: RPS	DRAWN BY: GKMI/CBC	CHECKED BY: JJK
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## GRADING PLAN

# TORO GRANDE BLVD SHARED IMPROVEMENTS

CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS





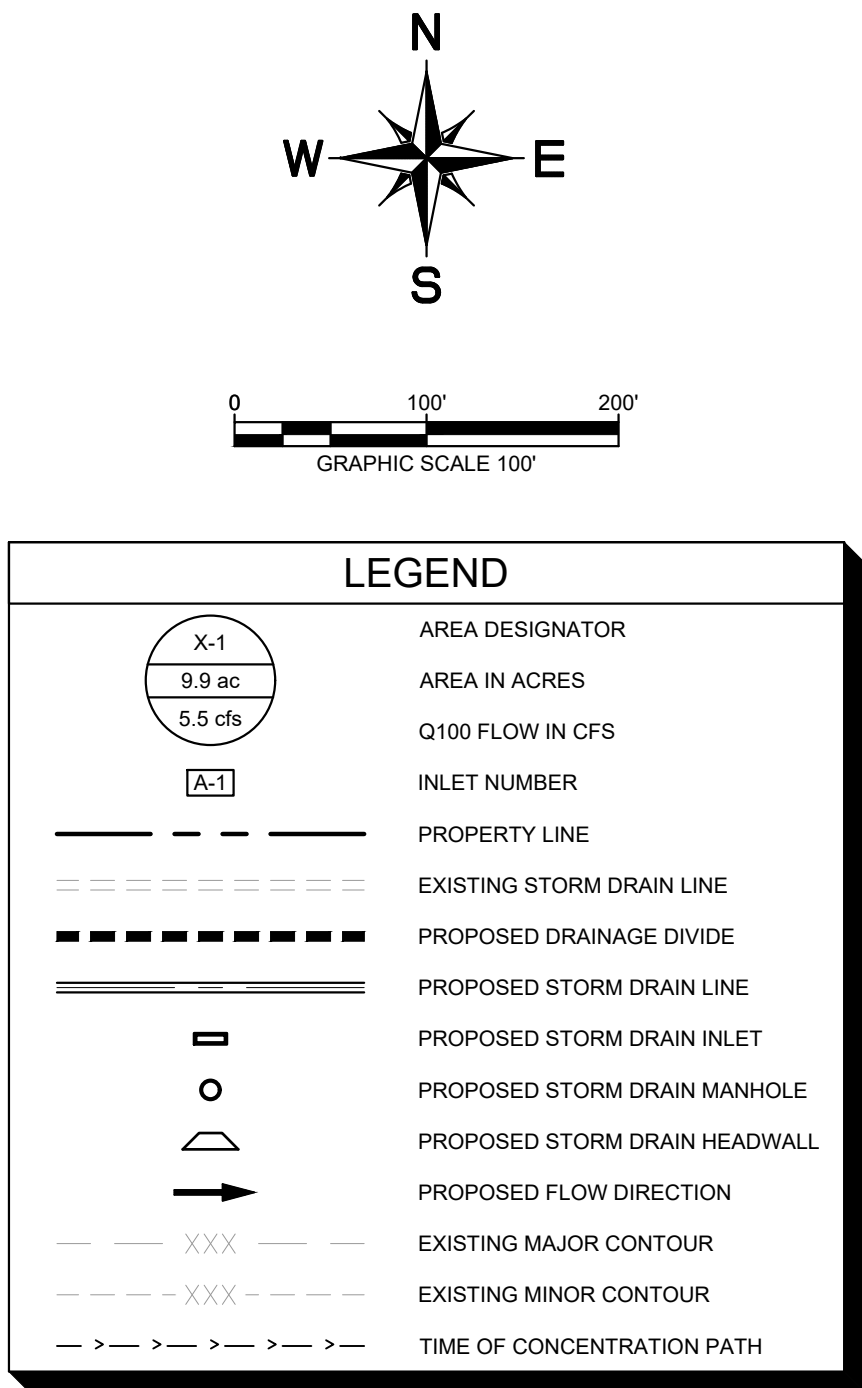
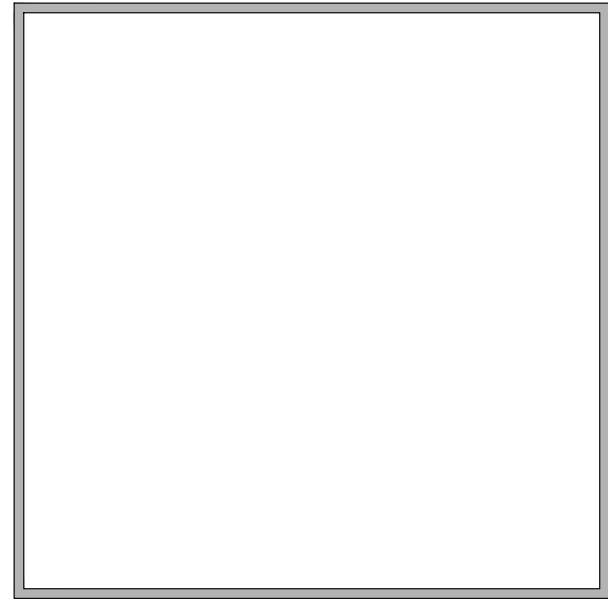
Cedar Park - Atlas 14 Rainfall Depth Flow Calculations																																											
DRAINAGE AREA	SHEET FLOW				SHALLOW CONCENTRATED FLOW																CHANNEL FLOW															TOTAL Tc <sup>1</sup> (min)	LAG TIME (min)	Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)	DRAINS TO	
	P-2yr/24hr 3.96 IN				Grass Surface								Paved Surface								Pipe Flow								Open Channel Flow 2														
	N	L (ft)	S (ft/ft)	Tt(min)	L (ft)	V (fps)	S (ft/ft)	Tt(min)	L	V (fps)	S	Tt(min)	L (ft)	V (fps)	a (ft <sup>2</sup> /s)	Pw (ft)	r	n	S (ft/ft)	Tt(min)	L (ft)	V (fps)	a (ft <sup>2</sup> /s)	Pw (ft)	r	n	S (ft/ft)	Tt(min)															
	0.15	100	0.003	18.81	2482	2.9	0.031	14.46	-	-	-	0.00	335	11.64	7.1	9.4	0.76	0.013	0.015	0.48	729	5.12	39.10	37.4	1.05	0.030	0.010	2.37															
EX-1	0.15	100	0.003	18.81	2482	2.9	0.031	14.46	-	-	-	0.00	335	11.64	7.1	9.4	0.76	0.013	0.015	0.48	729	5.12	39.10	37.4	1.05	0.030	0.010	2.37	36.13	21.68	185.80	280.10	345.50	460.50	POA A								
***The minimum Tc is 5 minutes per the TR-55. Minimum lag time is 3.6 minutes.																																											

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

**BENCHMARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE IN TOP OF HEADWALL  
 NORTHING = 10168857.71'  
 EASTING = 31017115.60'  
 NAVD88(GEOD18) ELEV. = 809.32'

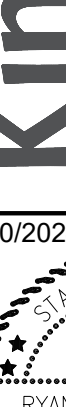

**TBM #52**  
 CUT SQUARE IN CONCRETE  
 NORTHING = 10168422.13'  
 EASTING = 3101219.31'  
 NAVD88(GEOD18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
 CEDAR PARK GPS MONUMENT 31 "CP31".  
 3" BRASS DISK IN CONCRETE, STANDING ON  
 EAST R.O.W. OF CR 272, NORTH OF E.  
 WHITESTONE BLVD. (Hwy 1431), LOOKING SOUTH.  
 NAVD88 (GEOD 99) ELEV. = 806.75'



Soil Type	Land Use	CN	Weighted CN
<b>EX-1</b>			
<b>D</b>	Impervious	19.3%	98
	Brush - Brush weed grass mixture with brush the major element. (Fair)	80.7%	77
			81.06

Location	Existing Flow (CFS)			
Point of Analysis Brushy Creek	2	10	25	100
	185.80	280.10	345.50	460.50
	Proposed Flow With Detention (CFS)			
	2	10	25	100
	149.60	239.20	300.30	407.50
	Difference (CFS)			
	2	10	25	100
	-36.20	-40.90	-45.20	-53.00
	Proposed Flow Without Detention (CFS)			
	2	10	25	100
	246.30	370.90	457.10	607.90
Pond WSEL	804.20	804.70	804.80	804.90

SHEET NUMBER 10 OF 24	TORO GRANDE BLVD SHARED IMPROVEMENTS CITY OF CEDAR PARK WILLIAMSON COUNTY, TEXAS	EXISTING DRAINAGE AREA MAP	KHA PROJECT 069274410	DATE JUNE 2024	SCALE: AS SHOWN	DESIGNED BY: RPS	DRAWN BY: GKM/CBC	CHECKED BY: JJK	06/20/2024	<div><p>RYAN P. SCHUBERT STATE OF TEXAS LICENSED PROFESSIONAL ENGINEER 145714</p></div> <div><p>10814 JULLYVILLE ROAD AVALLON IV SUITE 200 AUSTIN, TX 78759 PHONE: 512-477-1791 WWW.KIMLEY-HORN.COM © 2024 KIMLEY-HORN AND ASSOCIATES, INC. TPE Firm No. 928</p></div>	No.	REVISIONS	DATE	BY



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Cedar Park - Atlas 14 Rainfall Depth Flow Calculations																																			
DRAINAGE AREA	SHEET FLOW				SHALLOW CONCENTRATED FLOW												CHANNEL FLOW												TOTAL Tc** (min)	LAG TIME (min)	Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)	DRAINS TO
	P-2yr24hr		3.96 IN		Grass Surface				Paved Surface				Pipe Flow								Open Channel Flow 2														
	N	L (ft)	S (ft/ft)	Tt(min)	L (ft)	V (fps)	S (ft/ft)	Tt(min)	L	V (fps)	S	Tt(min)	L (ft)	V (fps)	a (ft <sup>4.5</sup> )	Pw (ft) <sup>3</sup>	r	n	S (ft/ft)	Tt(min)	L (ft)	V (fps)	a (ft <sup>4.5</sup> )	Pw (ft) <sup>3</sup>	r	n	S (ft/ft)	Tt(min)							
DA-1	0.02	100	0.021	1.37	946	2.3	0.021	6.74	-	-	-	0.00	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	8.11	4.87	113.70	171.10	210.70	279.70	POND
OFFSITE AREA	0.15	100	0.003	18.81	2482	2.9	0.031	14.46	-	-	-	-	335	11.6	7.1	9.4	0.76	0.013	0.015	0.48	729	5.1	39.10	37.4	1.05	0.030	0.010	2.37	36.13	21.68	125.50	189.10	233.30	310.80	POND

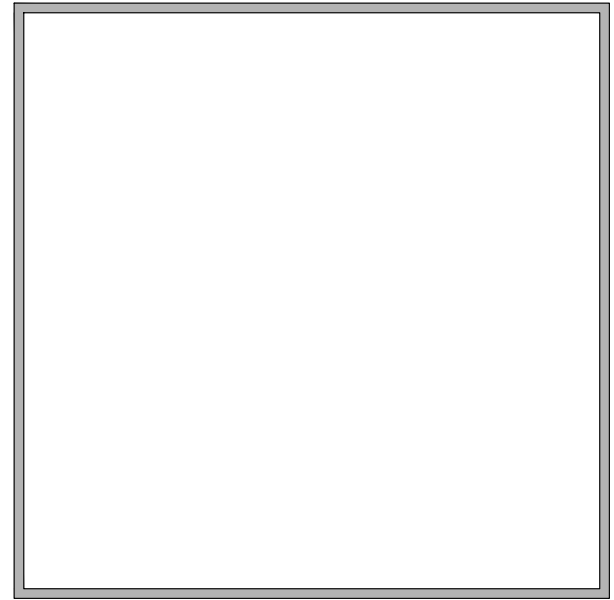
\*\*\*The minimum Tc is 6 minutes per the TR-55

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

**BENCHMARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE IN TOP OF HEADWALL  
 NORTHING = 10168827.71'  
 EASTING = 3101715.60'  
 NAVD88(GEOID18) ELEV. = 809.32'

**TBM #52**  
 CUT SQUARE IN CONCRETE  
 NORTHING = 10168423.13'  
 EASTING = 3101219.31'  
 NAVD88(GEOID18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
 CEDAR PARK GPS MONUMENT 31 "CP"  
 3" BRASS DISK IN CONCRETE, STANDI  
 THE EAST R.O.W. OF CR 272, NORTH C  
 WHITESTONE BLVD. (FM 1431), LOOKIN  
 NAVD88 (GEOID 99) F.I.V. = 806.79'



LEGEND	
	AREA DESIGNATOR
	AREA IN ACRES
	Q100 FLOW IN CFS
	INLET NUMBER
	PROPERTY LINE
	EXISTING STORM DRAIN LINE
	PROPOSED DRAINAGE DIVIDE
	PROPOSED STORM DRAIN LINE
	PROPOSED STORM DRAIN INLET
	PROPOSED STORM DRAIN MANHOLE
	PROPOSED STORM DRAIN HEADWALL
	PROPOSED FLOW DIRECTION
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	TIME OF CONCENTRATION PATH

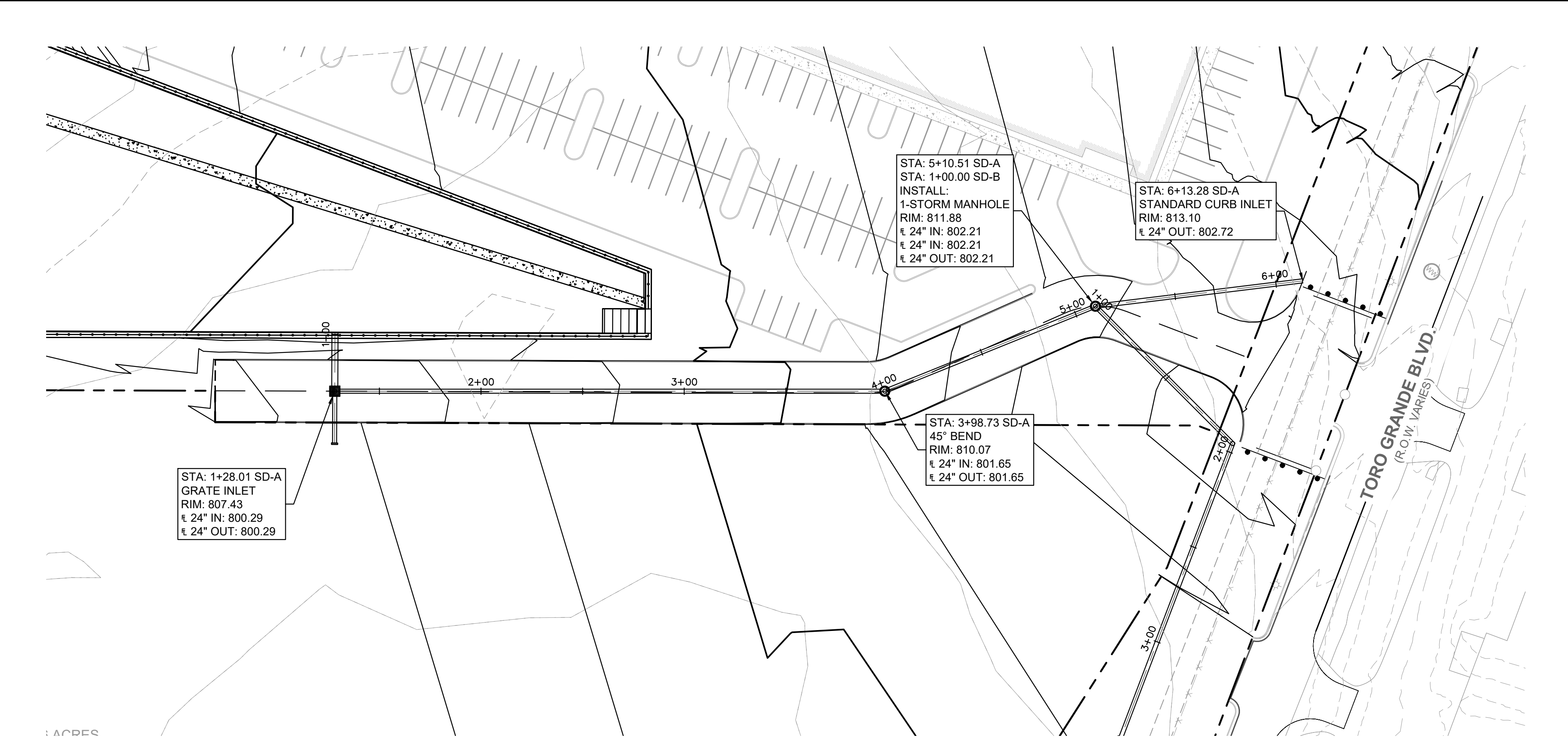
Soil Type	Land Use	CN	Weighted CN
<b>DA-1</b>			
<b>D</b>	Impervious	79.8%	98
	Brush - Brush weed grass mixture with brush the major element. (Fair)	20.2%	77
<b>OFFSITE AREA</b>			
<b>D</b>	Impervious Area	28.7%	98
	Brush - Brush weed grass mixture with brush the major element. (Fair)	71.4%	77

Location	Existing Flow (CFS)			
	2	10	25	100
Point of Analysis Brushy Creek	185.80	280.10	345.50	460.50
	Proposed Flow With Detention (CFS)			
	2	10	25	100
	149.60	239.20	300.30	407.50
	Difference (CFS)			
	2	10	25	100
	-36.20	-40.90	-45.20	-53.00
	Proposed Flow Without Detention (CFS)			
2	10	25	100	
	246.30	370.90	457.10	607.90
Pond WSEL	804.20	804.70	804.80	804.90

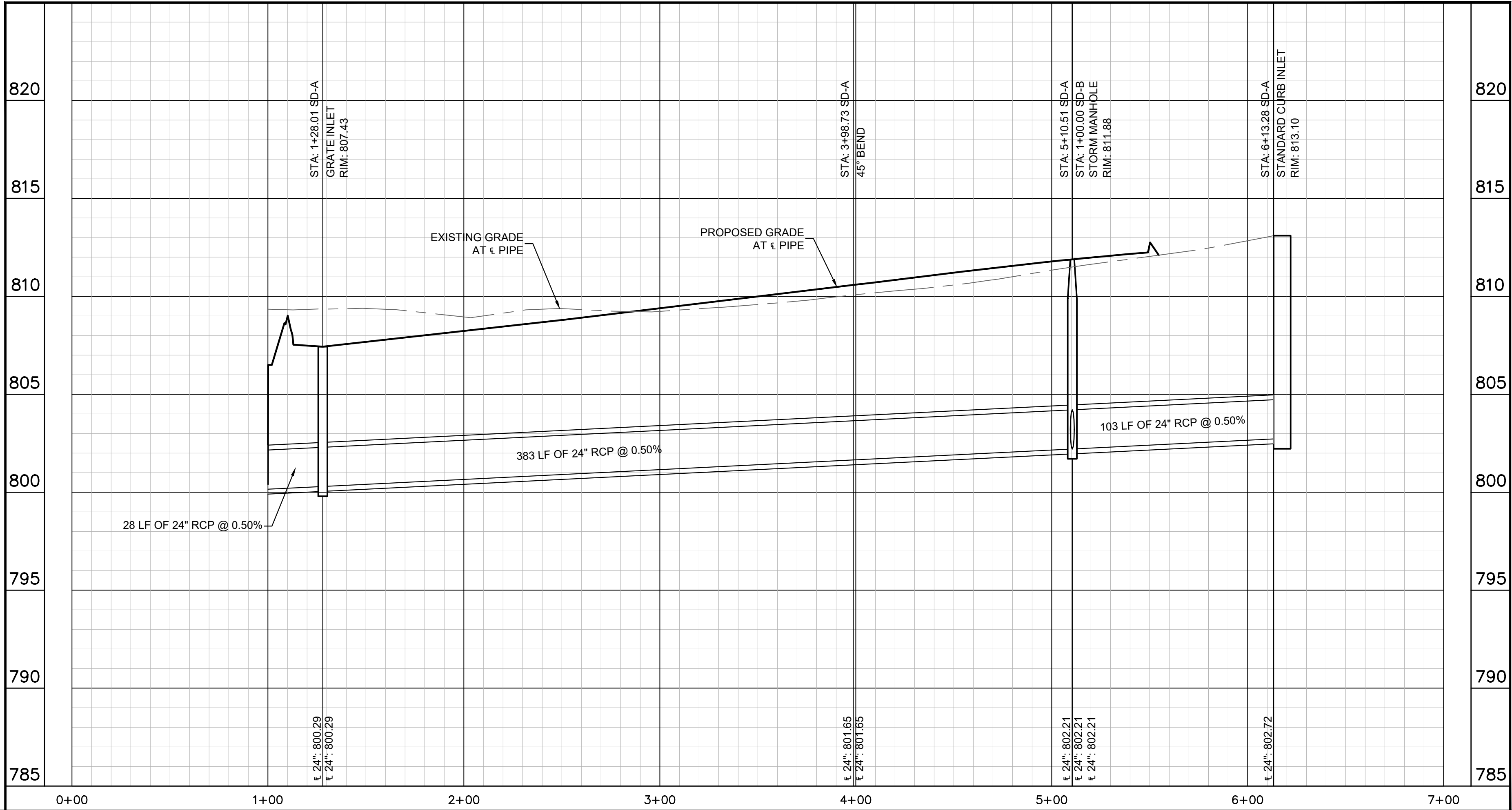
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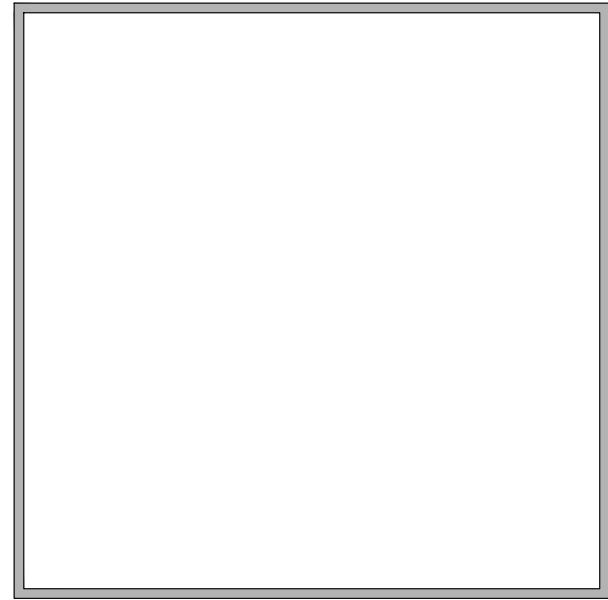


SD-A



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

**BENCHMARK INFORMATION:**  
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NAVD88(GEOID18) ELEV. = 802.56'  
**SOURCE BENCHMARK INFORMATION:**  
CEDAR PARK GPS MONUMENT 31 "CP31":  
3" BRASS DISK IN CONCRETE, STANDING ON THE EAST R.O.W. OF CR 272, NORTH OF E. WHITESTONE BLVD. (FM 1431), LOOKING SOUTH.  
NAVD88 (GEOID 99) ELEV. = 806.79'



**LEGEND**

---	PROPERTY LINE
--- XXX ---	EXISTING MAJOR CONTOUR
- - - XXX - - -	EXISTING MINOR CONTOUR
--- XXX ---	PROPOSED MAJOR CONTOUR
- - - XXX - - -	PROPOSED MINOR CONTOUR
W	PROPOSED WATER LINE
FW	PROPOSED FIRE HYDRANT
WW	PROPOSED WASTEWATER LINE
⊙	PROPOSED WASTEWATER MANHOLE
○	PROPOSED WASTEWATER CLEANOUT
=====	PROPOSED STORM DRAIN LINE
□	PROPOSED STORM DRAIN INLET
W	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
- - - - -	EXISTING STORM DRAIN LINE
FW	EXISTING FIRE HYDRANT
⊙	EXISTING WASTEWATER MANHOLE

**STRUCTURAL WALL NOTE:**  
WALLS WILL NOT BE BUILT ON SITE UNTIL A STRUCTURAL WALL DETAIL IS REVIEWED AND APPROVED BY CITY STAFF, EXCEPT FOR WALLS RELATED TO CONSTRUCTION OF THE BUILDING STRUCTURE.

Kimley»Horn

10814 JOLLYVILLE ROAD AVALON IV SUITE 200 AUSTIN, TX 78759  
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TYPE Form No. 928

06/20/2024

KHA PROJECT	DATE	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
069274410	JUNE 2024	AS SHOWN	RPS	GKM/CBC	JJK

TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

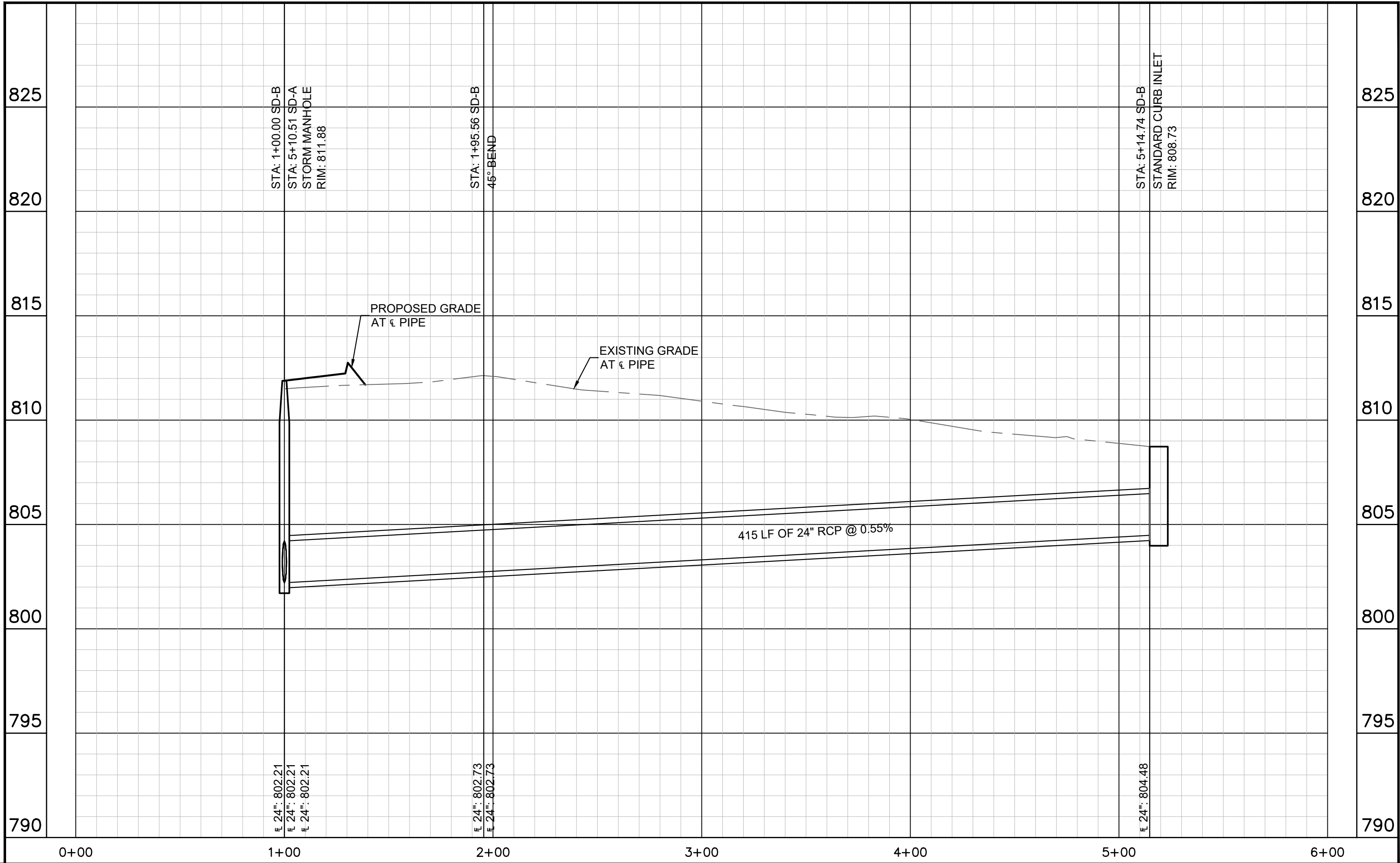
STORM LINE SD-A  
PLAN & PROFILE

SHEET NUMBER  
12  
OF 24



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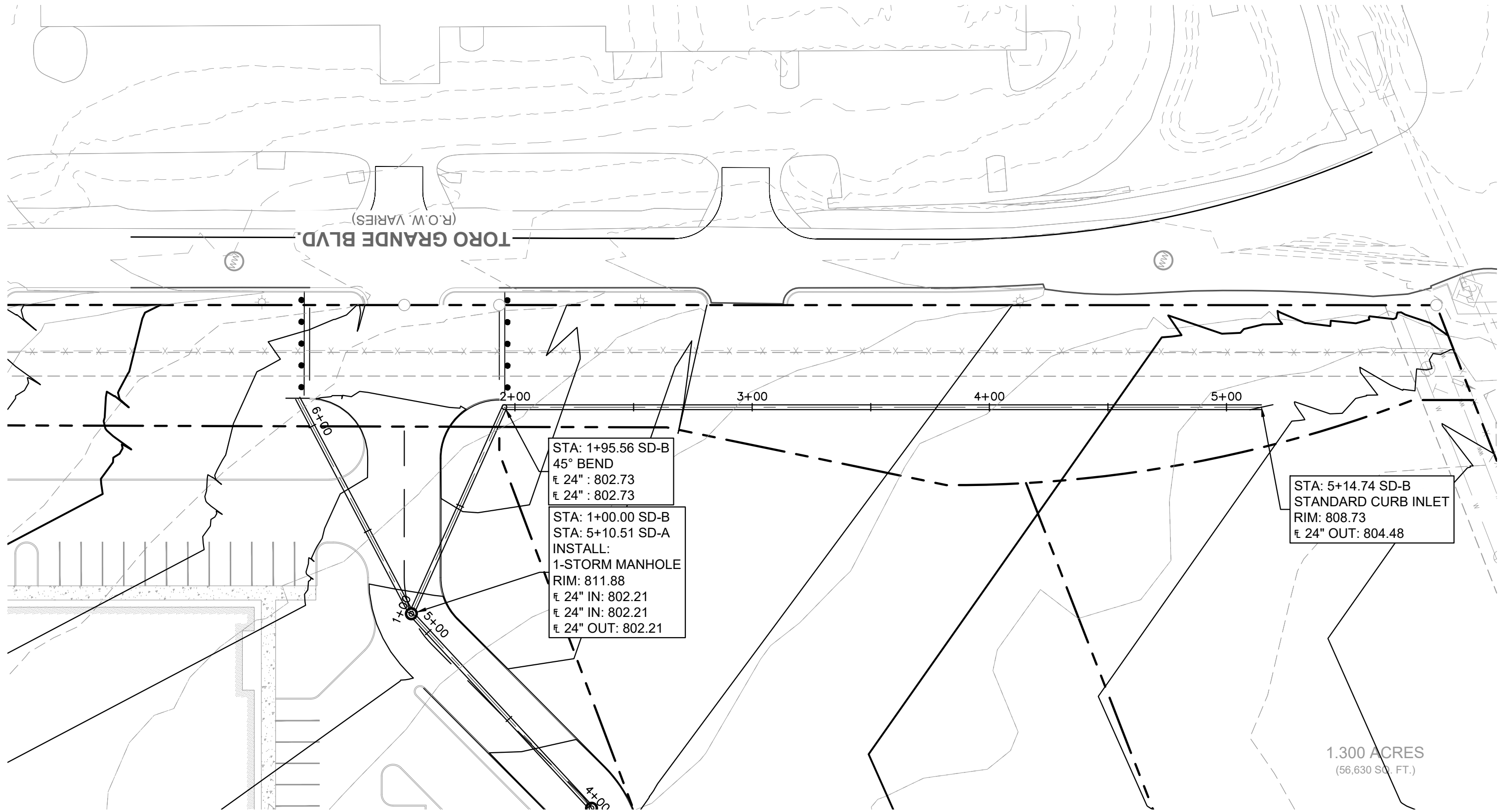
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PROFILE SCALE  
1" = 40' HORIZONTAL  
1" = 4' VERTICAL

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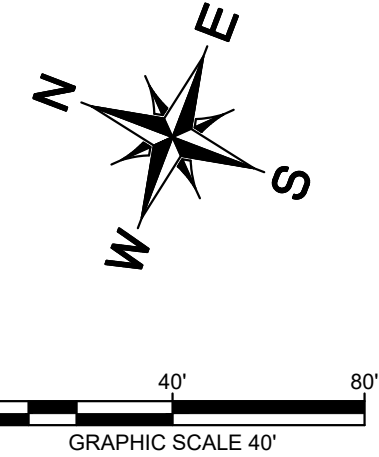
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**SOURCE BENCHMARK INFORMATION:**  
CEDAR PARK GPS MONUMENT 31 "CP31":  
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**LEGEND**

---	PROPERTY LINE
--- XXX ---	EXISTING MAJOR CONTOUR
- - - XXX - - -	EXISTING MINOR CONTOUR
--- XXX ---	PROPOSED MAJOR CONTOUR
- - - XXX - - -	PROPOSED MINOR CONTOUR
--- W ---	PROPOSED WATER LINE
--- WW ---	PROPOSED FIRE HYDRANT
--- WW ---	PROPOSED WASTEWATER LINE
--- WW ---	PROPOSED WASTEWATER MANHOLE
--- WW ---	PROPOSED WASTEWATER CLEANOUT
--- WW ---	PROPOSED STORM DRAIN LINE
--- WW ---	PROPOSED STORM DRAIN INLET
--- W ---	EXISTING WATER LINE
--- WW ---	EXISTING WASTEWATER LINE
--- WW ---	EXISTING STORM DRAIN LINE
--- WW ---	EXISTING FIRE HYDRANT
--- WW ---	EXISTING WASTEWATER MANHOLE

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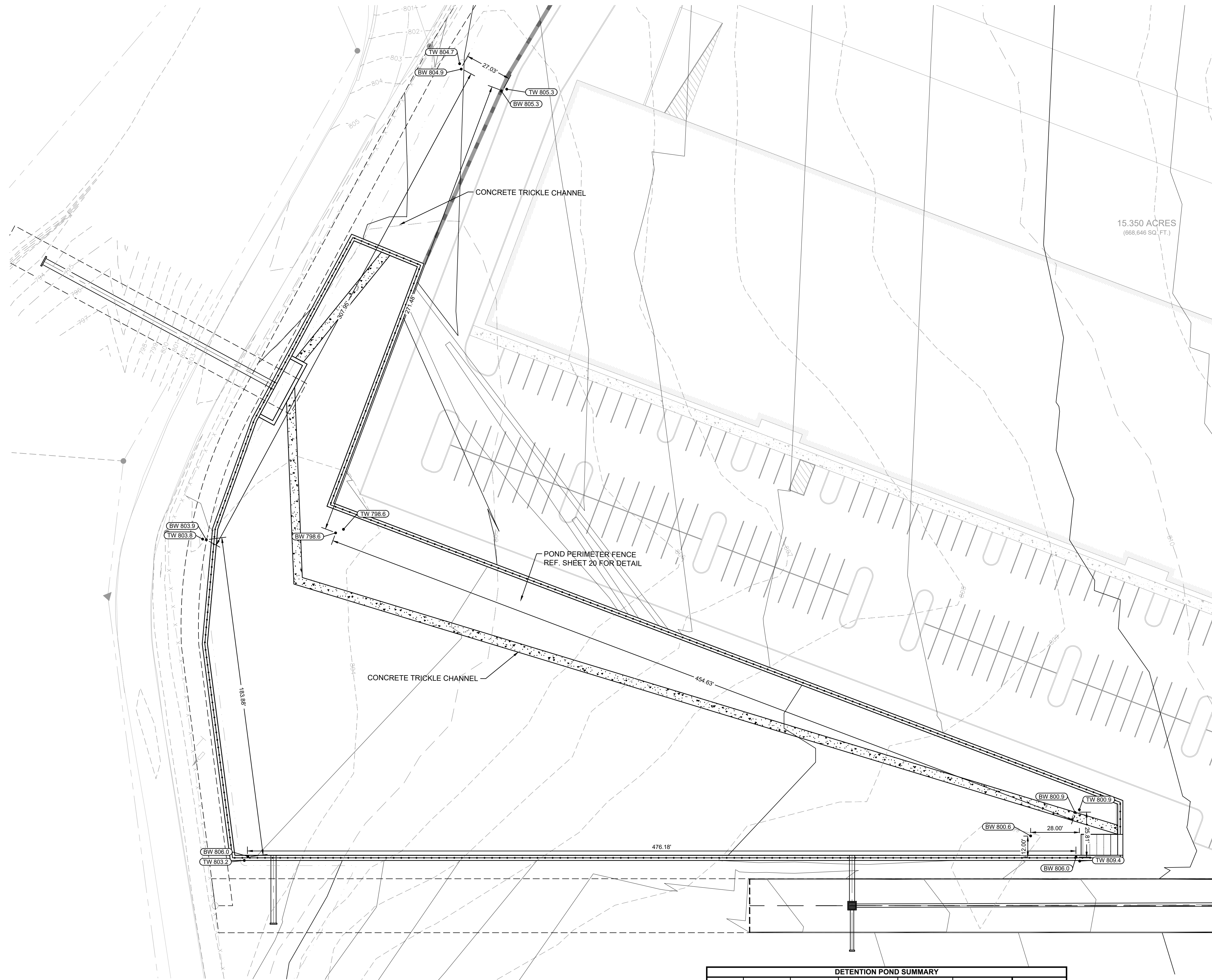


KHA PROJECT 069274410		DATE JUNE 2024		SCALE: AS SHOWN		DESIGNED BY: RPS		DRAWN BY: GKM/CBC		CHECKED BY: JJK	
TORO GRANDE BLVD SHARED IMPROVEMENTS CITY OF CEDAR PARK WILLIAMSON COUNTY, TEXAS											
SHEET NUMBER 13 OF 24											
STORM LINE SD-B PLAN & PROFILE											
Kimley»Horn											
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06/20/2024											
STATE OF TEXAS RYAN P. SCHUBERT 145714 LICENSED PROFESSIONAL ENGINEER											
REVISIONS											
DATE											
BY											



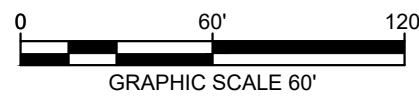
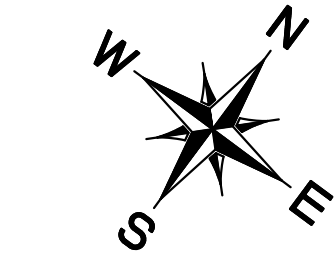


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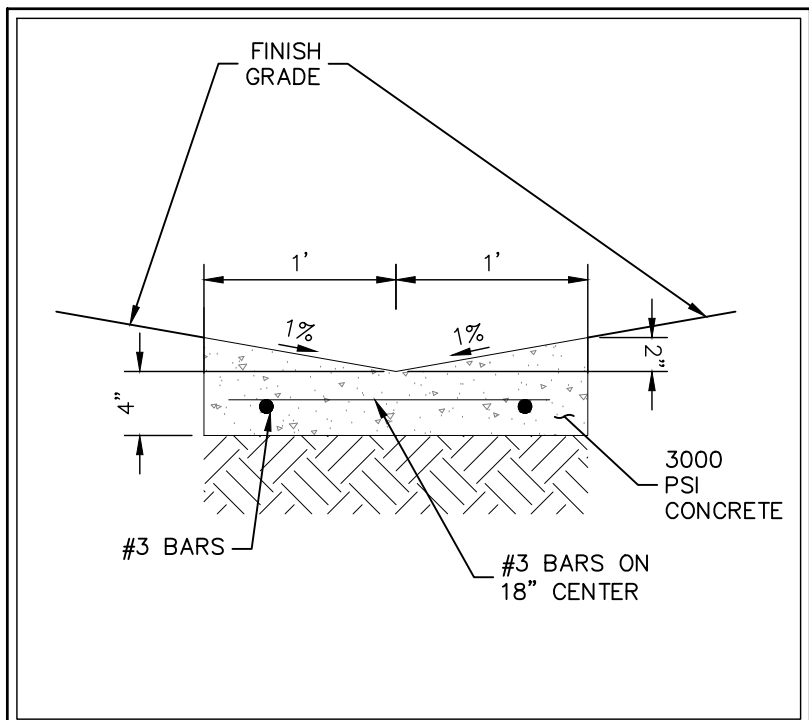
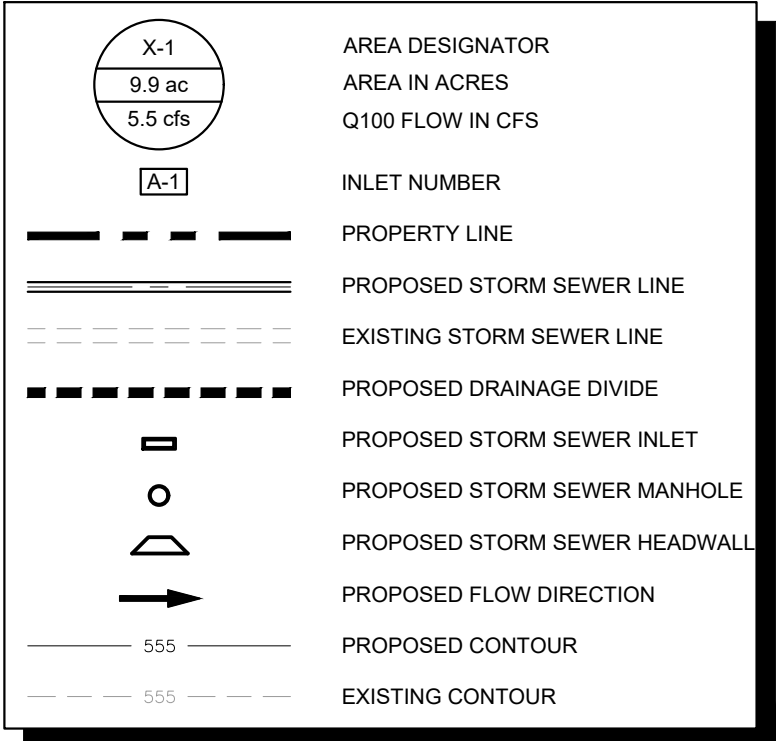


DETENTION POND SUMMARY						
	CONTOUR AREA (SF)	CONTOUR AREA (AC)	INCREMENTAL VOLUME (AC-FT)	CUMULATIVE VOLUME (AC-FT)	CUMULATIVE VOLUME (CF)	100-YR PEAK OUTFLOW (CFS)
801.00	70.115	1.610	0.30498	3.47925	121,556.15	0.2
802.00	70.138	1.610	0.00054	5.08939	221,694.00	16.1
803.00	70.162	1.611	0.00055	6.70009	291,855.90	43.9
804.00	70.187	1.611	0.00057	6.44171	280,600.94	147.7
805.00	70.212	1.612	0.00058	8.05356	350,813.08	469.2
806.00	70.238	1.612	0.00060	6.44626	280,799.04	-

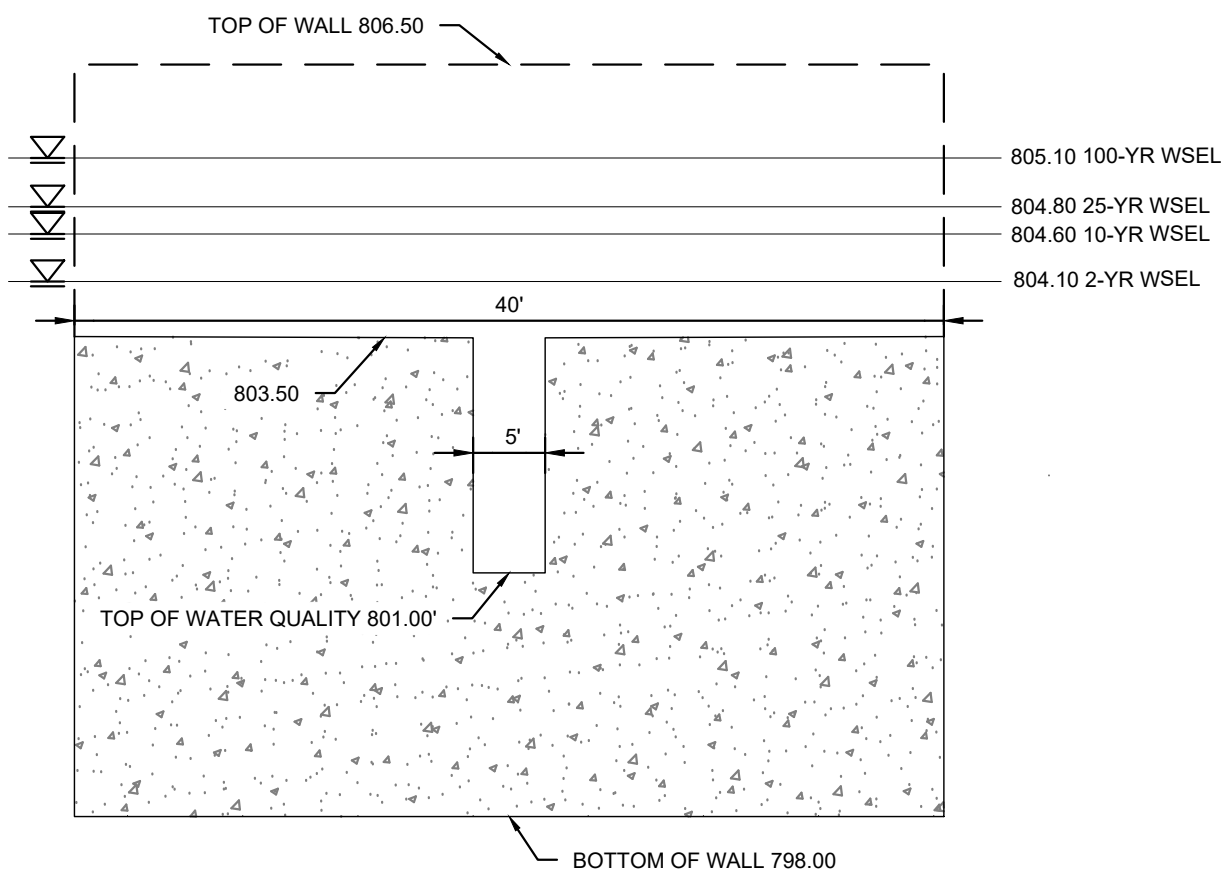
**WARNING: CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.**



## LEGEND



**CONCRETE TRICKLE CHANNEL**  
N.T.S.



**BENCHMARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE IN TOP OF HEADWALL  
 NORTHING = 10168857.71'  
 EASTING = 3101715.60'  
 NAVD88(GEOID18)                      ELEV. = 809.32'

**TBM #52**  
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WHITESTONE BLVD. (FM 1431), LOOKING SOUTH.  
NAVD88 (GEOID 99) ELEV. = 806.79'

## POND PLAN

**TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS**  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER

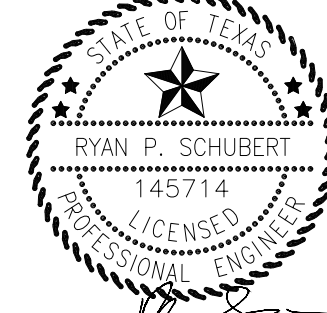
15  
OF 24

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**Kimley»»Horn**

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06/20/2024



KHA PROJECT  
069274410

DATE  
JUNE 2024

SCALE: AS SHOWN

DESIGNED BY: RPS

DRAWN BY: GKM,CEE

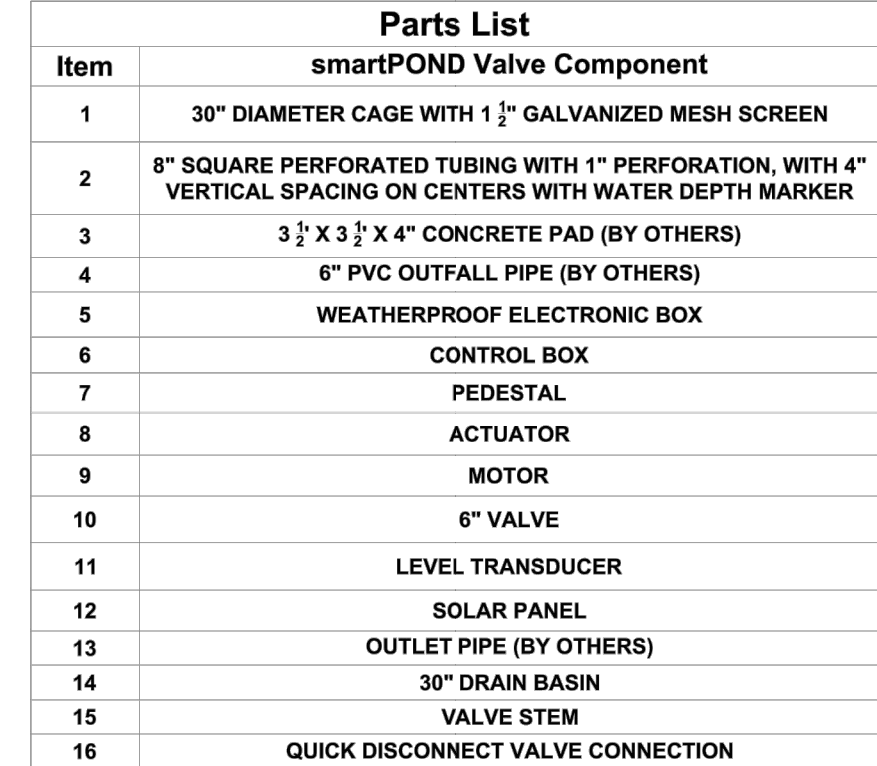
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FOR ADDITIONAL INFORMATION PLEASE CONTACT: CONSTRUCTION ECO SERVICES, 832-456-1000, [www.ecosvs.com](http://www.ecosvs.com)

## smartPOND Valve SPECIFICATION

- Introduction**  
The components describe the components, general functions, and applications of the SMARTPOINT Continuously Monitored Automated Stormwater System (C-MASS) with Valve. The system functions as an electronically controlled, solar powered stormwater management device, providing prevention management capabilities and real-time data. Using sensors, solar power, an electronic actuator, and an internet-based control interface, the SMARTPOINT valve connects to a specialized perforated riser inside the stormwater impoundment to precisely control water retention and detention characteristics in real time.

**2. SMARTPOINT Valve Applications in Stormwater Management**  
The SMARTPOINT valve is a device for active stormwater management. As opposed to passive devices such as floating alarms or stationary weirs, active water management dramatically increases the efficiency and effectiveness of retention ponds. Where a passive stormwater detention system allows water to leave immediately upon collection, the SMARTPOINT valve can detain newly caught Stormwater and allow it to settle for a programmed period before automatically draining the impoundment completely. For stormwater management systems, it is possible to manage the treatment volume while maintaining a specified amount of capacity for flood storage or other use.

**2.1 Pre-Programmed Control**  
Many functions can be pre-programmed without any human interactions, leaving the valve to automatically receive commands based on environmental conditions and respond as programmed.

**2.1.1 Batch Detention Function for Stormwater Quality**  
The SMARTPOINT valve meets TCEQ Batch Detention Quality for a 93% Total Suspended Solids removal rate. The function proceeds as follows. When the valve is closed during a precipitation event, the system will start and wait for a water collection event. At the first sign of water collection, the unit will begin a 24-hour detention period. At the end of the 24-hour detention period, the valve will open and release all of the water that has been collected. After the water level drops to 0", the valve will remain closed until the next precipitation event. The system will then return to the closed position to stand by for the next water collection event.

**2.1.2 Precedent Hydrograph Function for Flood Control**  
The SMARTPOINT valve precedents hydrograph function takes site specific variables to determine a maximum release rate based on predevelopment conditions. The valve reads water depth in the pond every 15 minutes to determine the maximum release rate desirable to remove the impoundment neither overtop, nor exceeds its maximum impoundment based on predevelopment flows.

**2.1.3 Hazmat Function for Spill Containment**  
SMARTPOINT when specified for hazmat spill containment can be equipped with pollutant specific sensors that when triggered automatically close the valve until the command is overridden.

**2.2 Real Time Monitoring**  
SMARTPOINT comes standard with centralized monitoring on each unit and access to the user app available at no additional cost for year 1. This option allows for real time monitoring of the unit and the data that comes along with it. From the real time monitoring app, a user can:  
  - See the water level, either open or close
  - See the water level
  - See if trash or debris is surrounding the inlet
  - Get maintenance alerts (Low Battery, Valve Failure, Etc.)
  - Maintain specified water level

**3. Components**  
The SMARTPOINT valve will be implemented either above or below ground, and is comprised of the following components:

**3.1 Hardware and Configuration**  
The standard SMARTPOINT valve features a cast 6" valve. An extended spool and mounting flange on each side of the valve allows it to be attached to the outfall pipe in various configurations. The valve is actuated with an electric motor connected by an extendable drive shaft for underground applications.

For above ground applications, the entire system including all necessary components for operation assemble onto one box and are housed under a single lockable steel enclosure with the solar panel mounted on top. In this configuration, the unit can be installed on a stable level and be bolted onto the back of the outfall pipe with six "k" bolts and then switched to the "ON" position.

For underground applications, the valve is installed in a vault or concrete encasement as needed. An extended drive shaft connects between the underground valve and the rest of the components, including the motor and electronics, which are housed in the lockable steel enclosure directly above ground.

**3.2 Electronics and Software Specifications**  
  - Main Board** - The main board of the SMARTPOINT valve's electronics box serves as the main connection terminal for all sensors and additional control boards.
  - Motor Controller Board** - The motor controller board of the SMARTPOINT valve regulates the connection between the battery and the motor and receives inputs from the main board to control motor direction. It also powers the main board.
  - Power** - The SMARTPOINT valve is powered by a 12-volt, 30 amp/hour spool. Two wires connect to the motor controller board. It is mounted on a bracket and connects to the directly to the valve with a drive shaft.
  - Solar Panel** - The solar panel of the SMARTPOINT valve is powered by a 12-volt, 30 amp/hour spool. Two terminals at the top connect the power wires to the motor controller board and the solar charge controller to the battery.
  - Solar Panel Charge Controller** - The solar panel of the SMARTPOINT valve is 12 volts with 15 watt charging capability. It connects to a solar charge controller which regulates the voltage and current before connecting with two wires to the positive and negative battery terminals.

**Sensors**  
  - Pressure Transducer** - The water level sensor is a pressure transducer sensor capable of staying submerged in water indefinitely. It mounts on one of the SMARTPOINT valve's center spools.
  - Water Level Sensor** - A proximity sensor senses the position of the valve's drive shaft in order to control and determine the position of the valve.

**(Optional)**  
  - Cell data modem** - A cellular data modem will be required for real time control and alert options as well as predevelopment hydrograph functions.
  - Hydrocarbon Sensor** - This optional sensor may be fitted to the SMARTPOINT valve to perform specific functions based on the presence of hydrocarbon contamination.

**4. Real Time Monitoring Interface (optional)**  
If the real time monitoring option is selected, the SMARTPOINT valve may be monitored in real time through the Autoflow app. Use and historical data from each unit may be viewed in the app, as well as alerts (detailed in section 5).

**4.1 Accessing unit data**  
To access live and historical data in the Autoflow app, select the unit for water on the home page by clicking on the unit's name. From there, select the "Data" button, and the data page for that unit will be displayed.

**4.2 Sending a command**  
To send a remote control command to the SMARTPOINT valve, click the "Send New Command" button on the unit's home page. The unit's current position will be displayed at the top. To change the unit's position, simply select "OPEN" or "CLOSE". Within 1-3 minutes, the unit will move to the new position and update its status in the app.

**5. Alerts**  
The SMARTPOINT valve will indicate the following alerts by illuminating an exteriorly visible red LED light:  
  - Low battery
  - Low water level
  - Valve malfunction
  - Hydrocarbon contamination (optional)
If the telemetry option is selected, the unit will upload the above alerts to the Autoflow app and notify the operator via text or email.

**6. In Case of Failure**  
To bypass the SMARTPOINT valve's normal automated functions and control the valve position in case of failure:  
  - 6.1 Bypassed motor and manual direct control**  
In case of a total electrical or motor failure, the motor and motor bracket can be uninstalled together by removing the two bolts at the bottom of the motor bracket. With the motor and motor bracket removed, the output shaft on the butterfly valve can be manually controlled with a socket wrench, or any other tool that can grip the output shaft.

**7. Additional Components List**  
  - 7.1 Perforated Riser**  
The SMARTPOINT valve system includes a stackable perforated steel riser which installs on the inlet side of the outfall pipe within the impoundment area. The perforated riser features an 8 inch steel perforated square tube within a 24" round steel mesh tube. At the bottom of the 8-inch square tube, there is a female threaded fitting for a 4 inch PVC outfall pipe to connect. The steel tube is perforated with 1/2 inch holes every 4" on center to the height of the impoundment.
  - 7.2 Trash Cage**  
The trash cage attaches to the perforated riser with a coupling and cedar pin. The trash cage will be comprised of steel banding and a 1.5" x 1.5" mesh to prevent floatable and/or floating debris from entering and clogging the perforated riser. The trash cage will sit 20" above the bottom of the impoundment to allow the last 20" of the impoundment to remain clear.
  - 7.3 Valve Stem Extension**  
The drive shaft/valve stem of the SMARTPOINT system may be supported by any length necessary for instances where the valve will be in an underground vault or manhole. The valve stem will connect the valve to the above ground controls.
  - 7.4 Maintenance**
    - 8.1 Grease**  
The SMARTPOINT valve includes a grease fitting on the valve itself which should be greased twice per year. It is also recommended that a thick, mildly heat-resistant grease be used to avoid grease melting out of the groove in warmer temperatures.
    - 8.2 Flange Bolts**  
The unit has 6 bolts connecting the SMARTPOINT valve's flange to the outfall pipe or fixture. During routine maintenance intervals, these bolts should be checked for tightness. All bolts should be tightened evenly.
    - 8.3 Perforated Riser**  
Silt, sediment, and debris can build up around the perforated riser with time. An annual inspection of the riser is necessary to ensure that excess debris or sediment has not limited the drainage capacity of the perforated riser. To access the perforated riser for maintenance, lift the trash cage off of the riser, dig out any accumulated sediment, and clear all perforations.
    - 8.4 Trash Cage**  
As a part of routine maintenance, it is advisable to remove trash and debris that has accumulated on the trash cage and properly dispose.
    - 8.5 Solar Panel**  
On all inspection visits, it is necessary to confirm that the solar panel is facing south and is well secured. The solar panel is commonly visited by birds and insects. It is important to keep the surface clean of bird litter, insect nests and debris in order to maintain optimal performance.
    - 8.6 Battery**  
Over time, battery terminals may corrode. Check annually for corrosion and clean as needed. The battery should be replaced every 4 to 6 years.
    - 8.7 Storage**  
The SMARTPOINT valve is shipped in a new fully assembled configuration and should be stored likewise. The systems are transported and stored on pallets and must remain secured with straps. It is recommended that the weight of the unit be supported by either a concrete pad or steel frame. For below ground installations, the upper unit (electronics and actuator) should be stored inside the electronics box if removed, should never be stored on a concrete surface.
  - 9. Installation**  
The SMARTPOINT valve can be installed in a near completely assembled configuration. Only the solar panel should be removed during the installation process. There are several ways to install the SMARTPOINT valve with the key being structured support.  
    - 9.1 Structural Support**  
If the SMARTPOINT valve is mounted to a steel pipe in an above ground fully assembled configuration, the weight of the unit may be supported by the steel pipe. For plastic or concrete, it is recommended that the weight of the unit be supported by either a concrete pad or steel frame. For below ground installations, the upper unit (electronics and actuator) should be fastened to the surface of the concrete vault. For vault installations, see design details for standard vault design.
  - 10. Important Safety Information and Warnings**
    - Always keep hands clear of the valve and motor when unit is in operation.
    - Turn the power switch off when doing any electrical work.
    - Do not enter the water when the device is actively draining water.
    - Always use proper PPE and confined space protocol when servicing a valve beneath ground.
  - 11. PRODUCTS**  
The manufacturer/Supplier/Reseller shall be an established stormwater company that has at least 5 installations of automated stormwater management devices that have been in use and functional for the past 3 more years.  
    - A. Acceptable SMARTPOINT valve**  
"SmartBAT15" Automated Batch Detention System  
"SmartPOINT" Automated Detention System
    - B. Acceptable System Supplier**  
Convergent Water Technologies, Inc.  
800.771.5428  
www.convergentwater.com
    - C. Authorized Valve Added Reseller**  
Construction Excitements  
(800)456-1200  
www.econ.com
  - 12. Quality Assurance and Performance Specifications**  
The quality of all system components and all other appearances and their assembly process should be subject to inspection upon delivery of the system to the work site. Installation is to be performed only by skilled work people with satisfactory record of performance on earthworks, pipe, welding, chamber, or pond/fan installation projects of comparable size and quality.

NOTE: ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

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

**BENCHMARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE IN TOP OF HEADWALL  
 NORTHING = 10168857.71'  
 EASTING = 3101715.60'  
 NAVD88(GEOID18)      ELEV. = 809.32'

**TBM #52**  
CUT SQUARE IN CONCRETE  
NORTHING = 10168423.13'  
EASTING = 3101219.31'  
NAVD88(GEOID18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
CEDAR PARK GPS MONUMENT 31 "CP31":  
3" BRASS DISK IN CONCRETE, STANDING ON  
THE EAST R.O.W. OF CR 272, NORTH OF E.  
WHITESTONE BLVD. (FM 1431), LOOKING SOUTH.  
NAVD88 (GEOID 99) ELEV. = 806.79'

**smartPOND**  
Automated Stormwater Control.



## smartPOND Valve Specifications

REVISION NO.  
0  
DATE  
1/27/2021

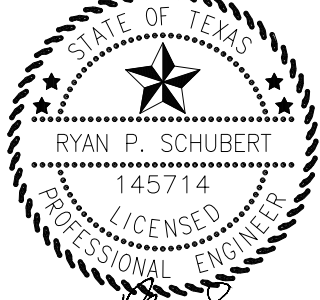
**Kimley»»Horn**

LYVILLE ROAD AVALLON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512-418-1771 FAX: 512-418-4791  
WWW.KIMLEY-HORN.COM  
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
TBE Firm No. 028

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
 TOTAL: \$1,000

TYPE Firm No. 939

06/20/2024



KHA PROJECT  
069274410

DATE  
JUNE 2024

SCALE: AS SHOW

DRAWN BY: GKM, CH

CHECKED BY: JJ

WATER QUALITY  
DETAILS (SHEET 20)

**TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS**  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER

22  
OF 24

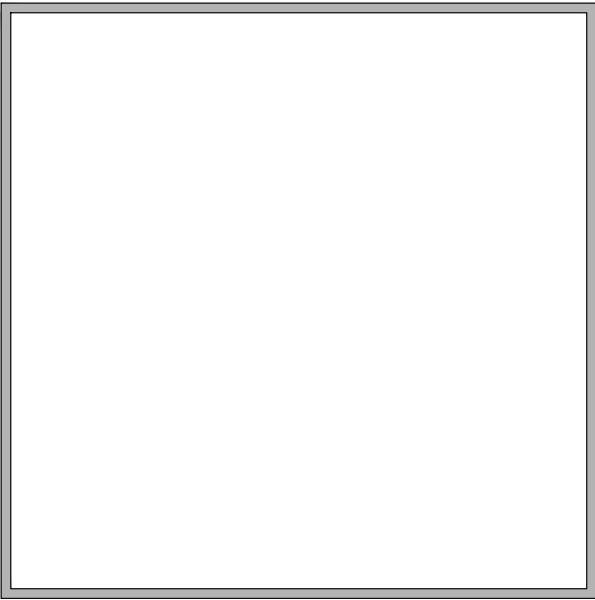
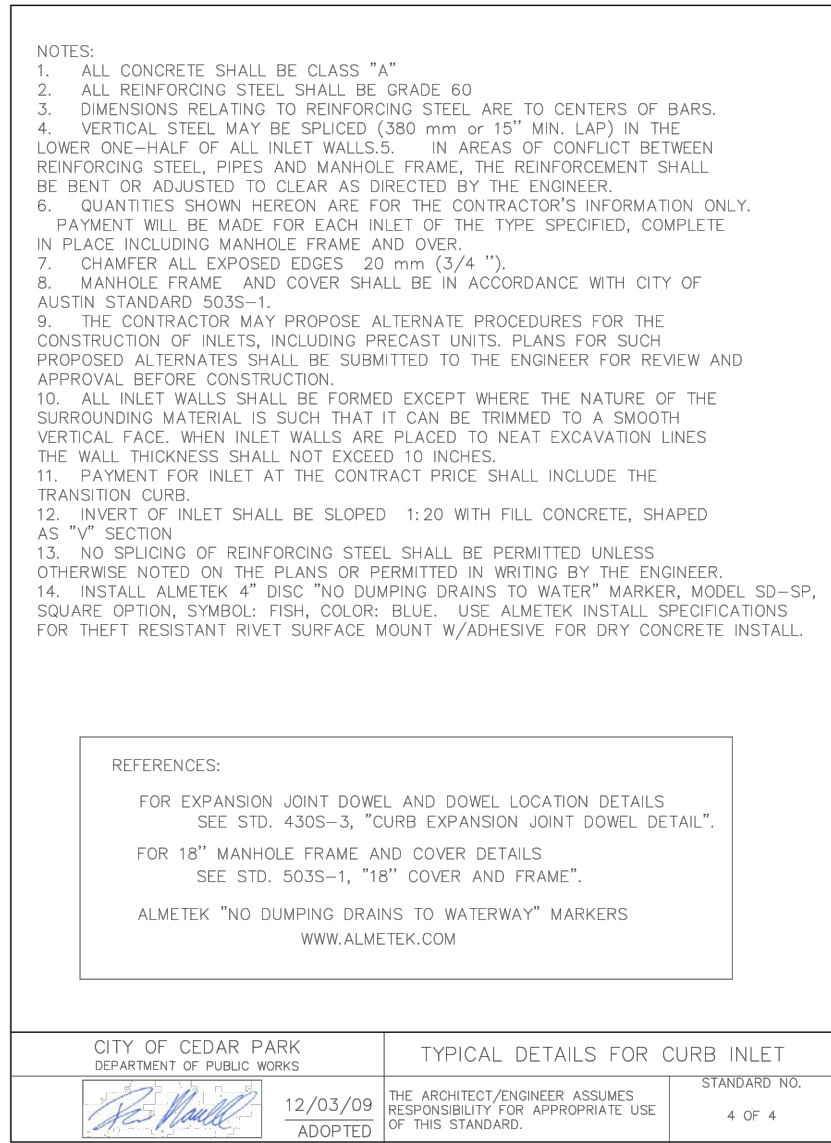
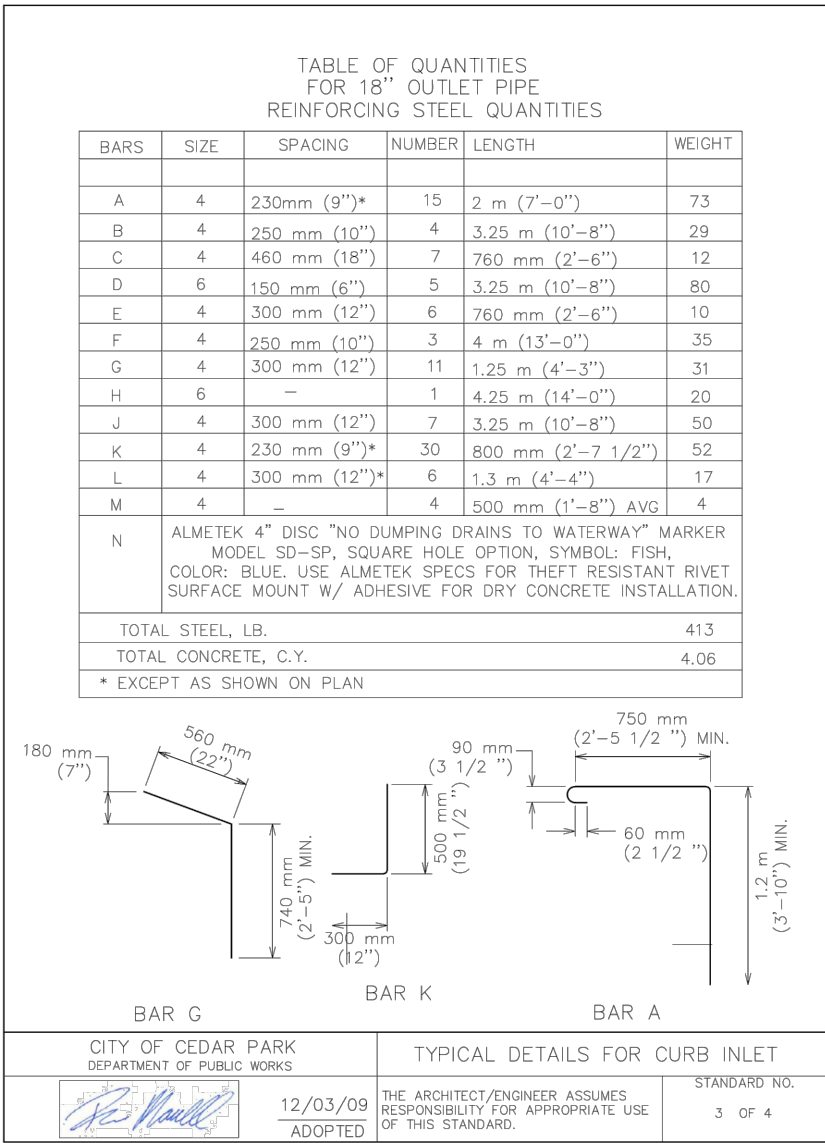
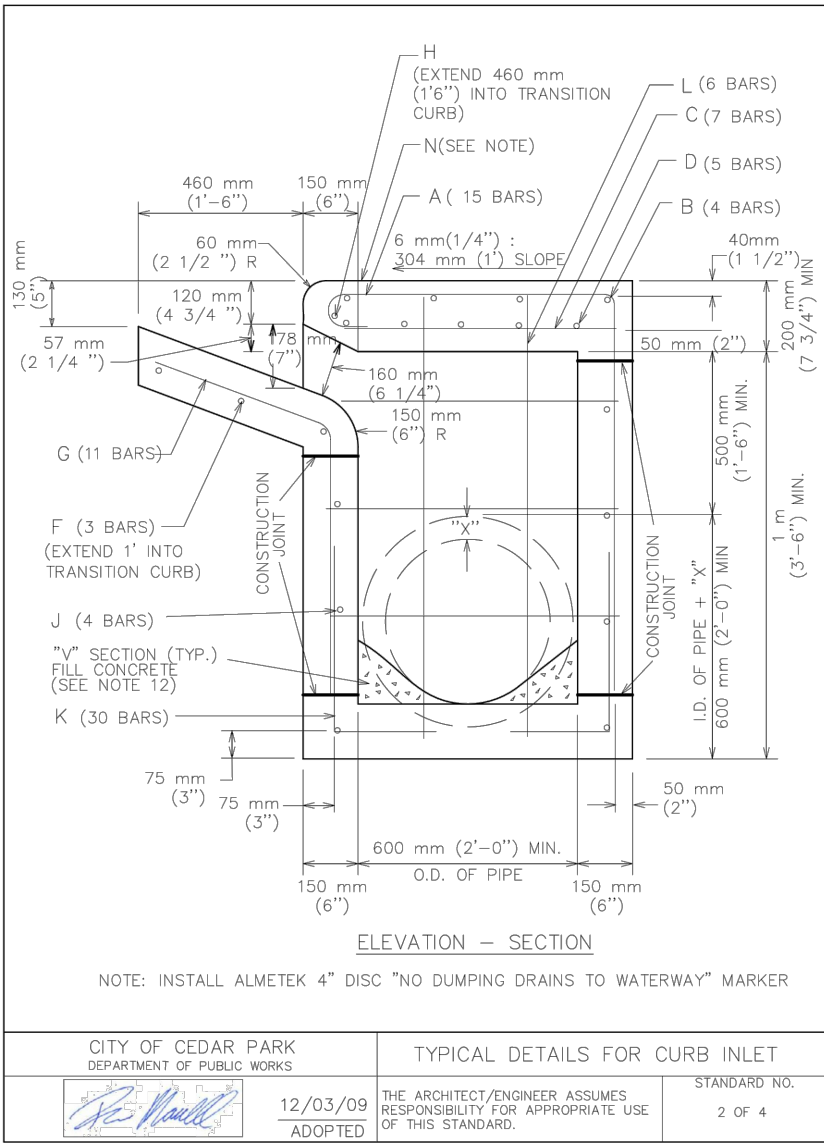
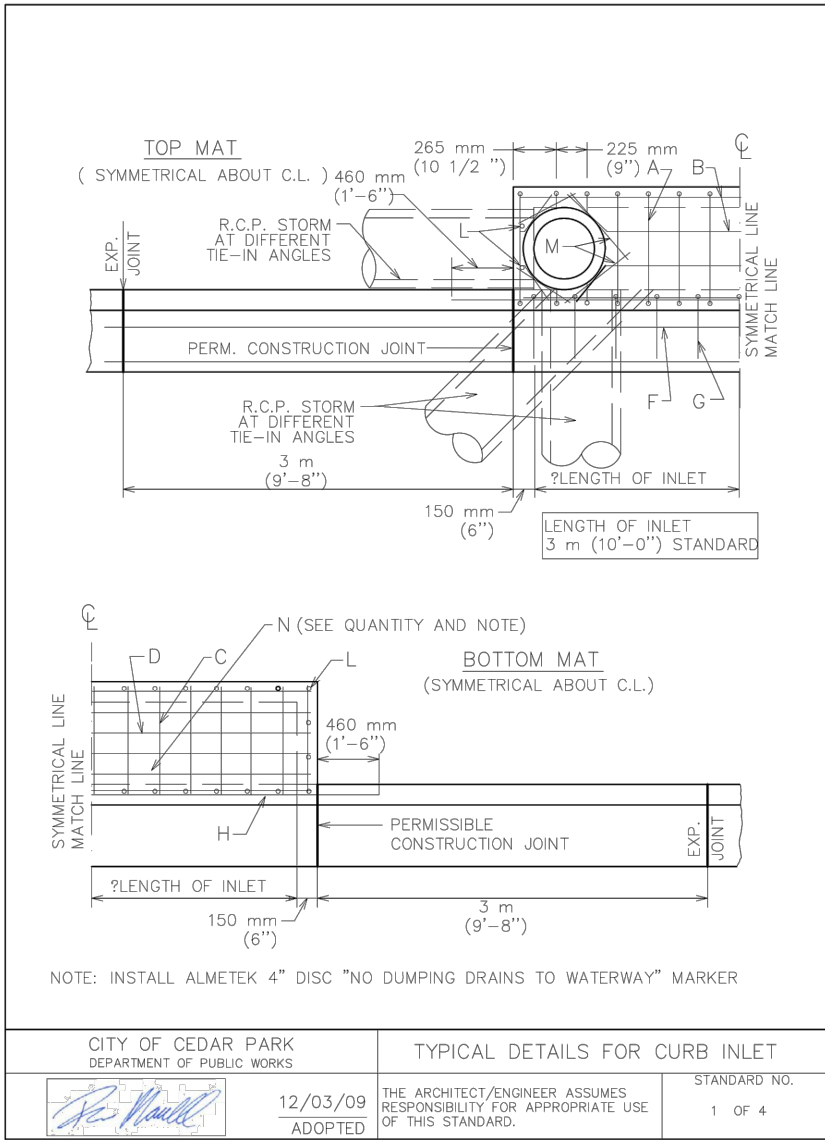
No.	REVISIONS	DATE	BY
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## REVISIONS

No.

TORO GRANDE SHARED IMPROVEMENTS - 2024-9-SD





TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER  
**23**  
OF 24

STORM DRAIN  
DETAILS

KHA PROJECT  
069274410

DATE  
JUNE 2024

SCALE: AS SHOWN

DESIGNED BY: RPS

DRAWN BY: GKM/CBC

CHECKED BY: JJK

06/20/2024

10814 JOLLYVILLE ROAD AVALON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512-418-1771 FAX: 512-418-1791  
WWW.KIMLEY-HORN.COM  
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
TYPE Ffm No. 928

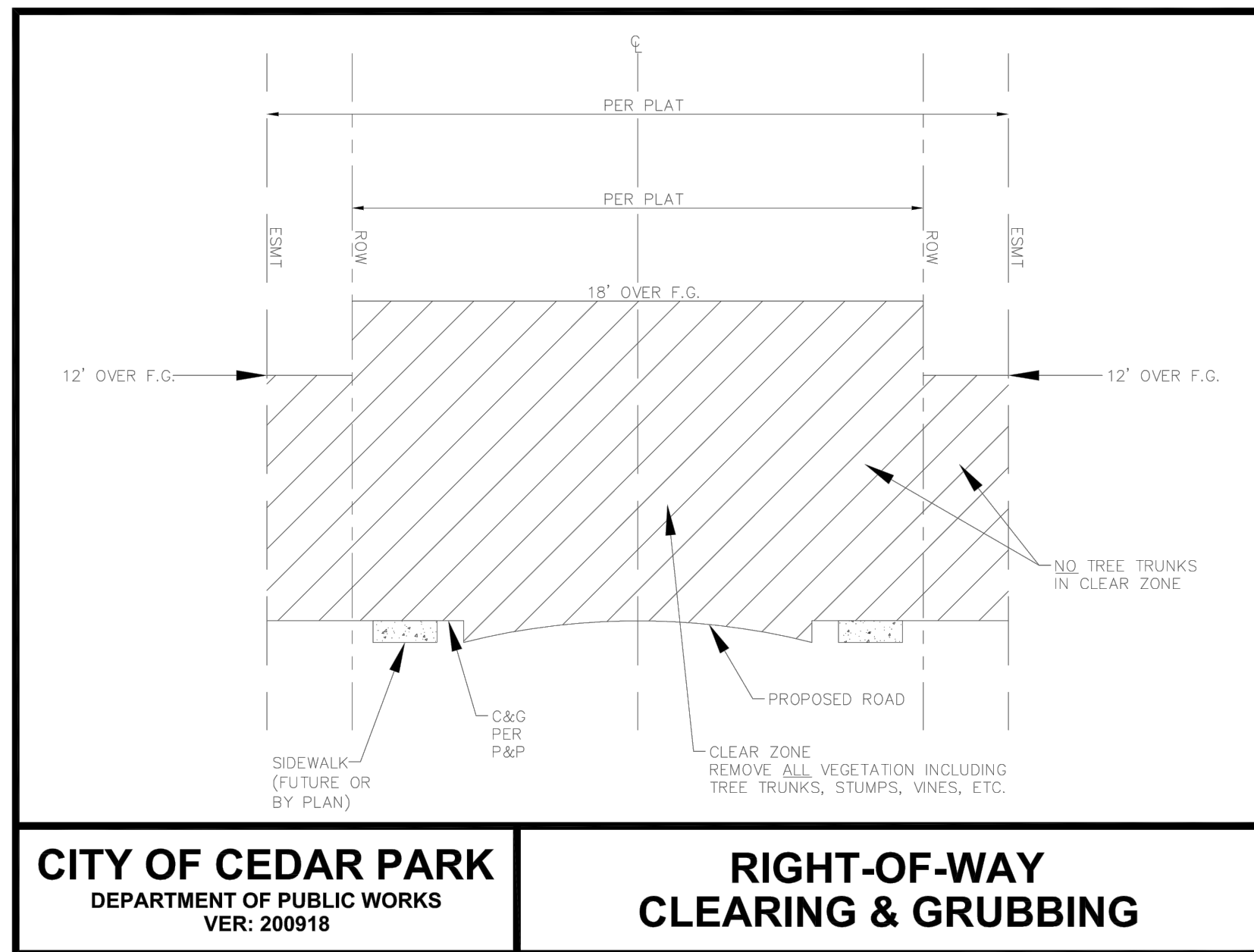
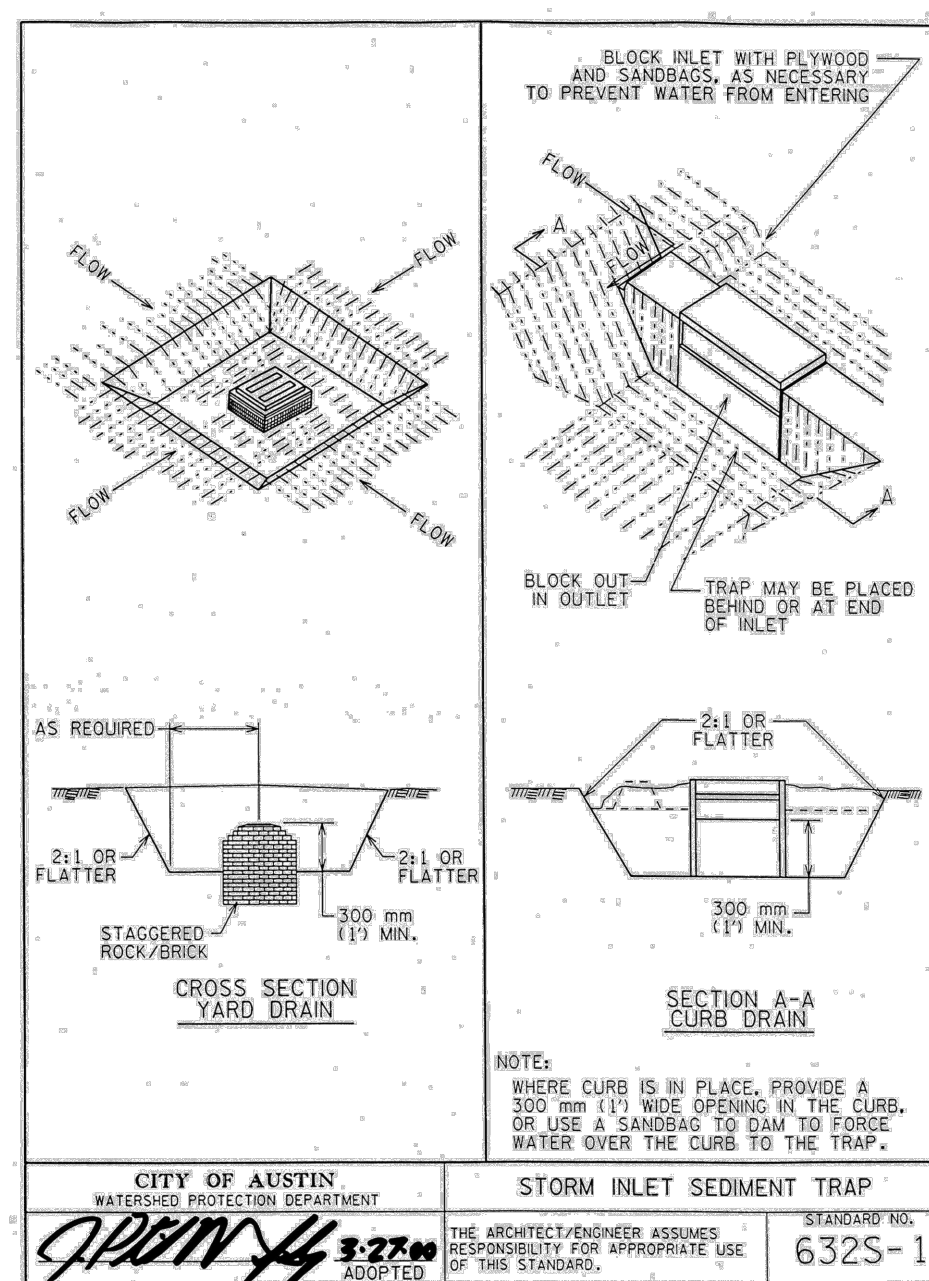
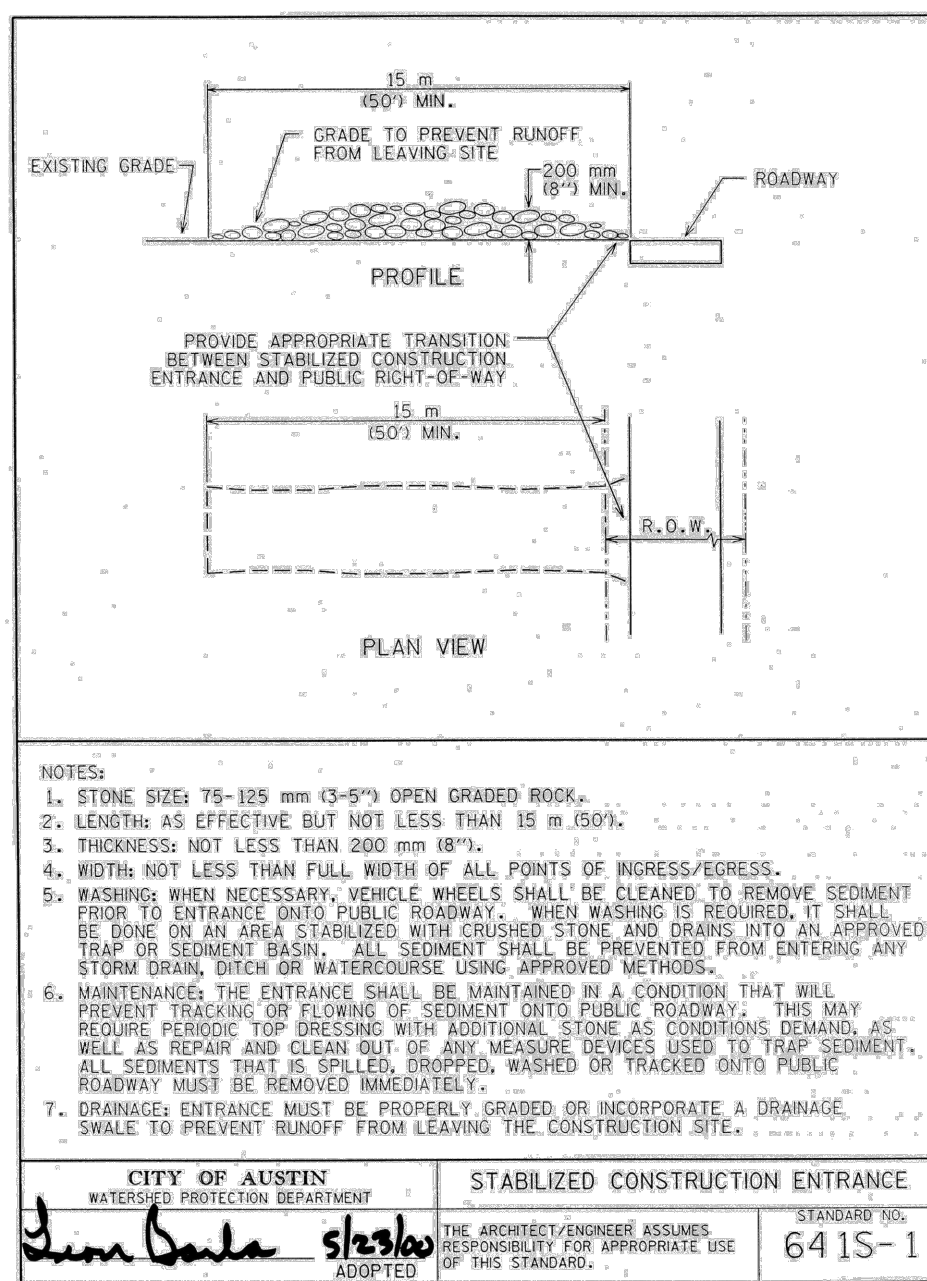
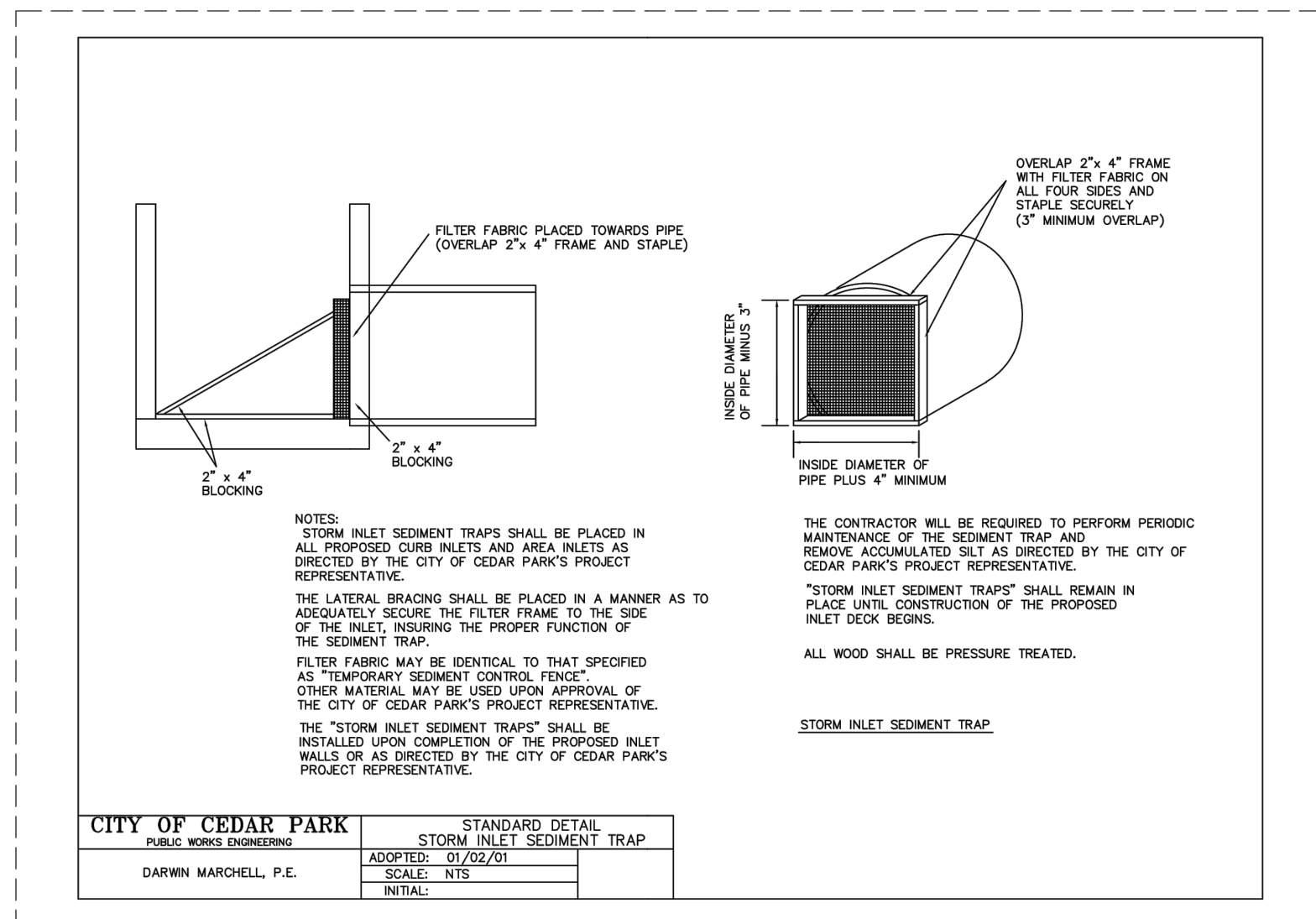
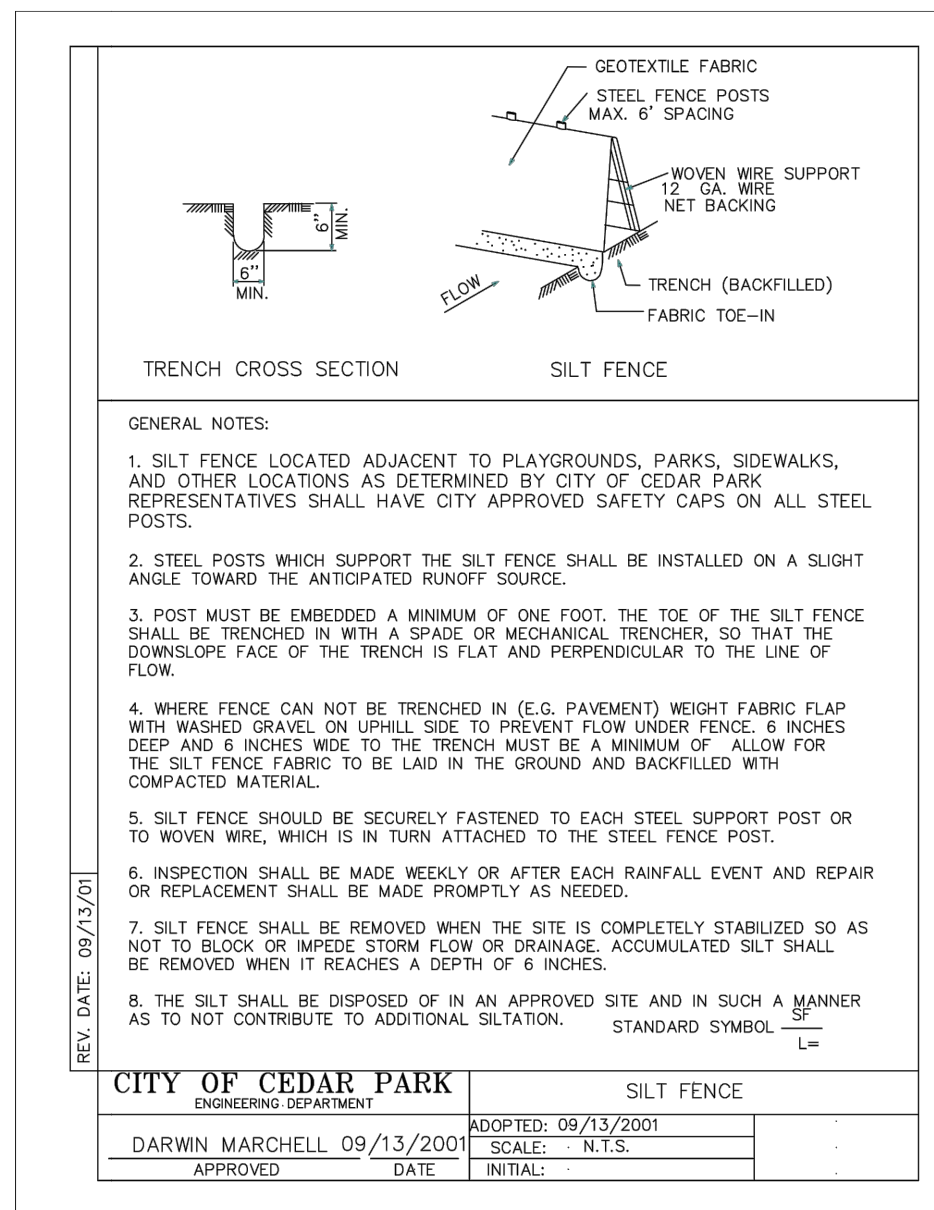
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REVISIONS

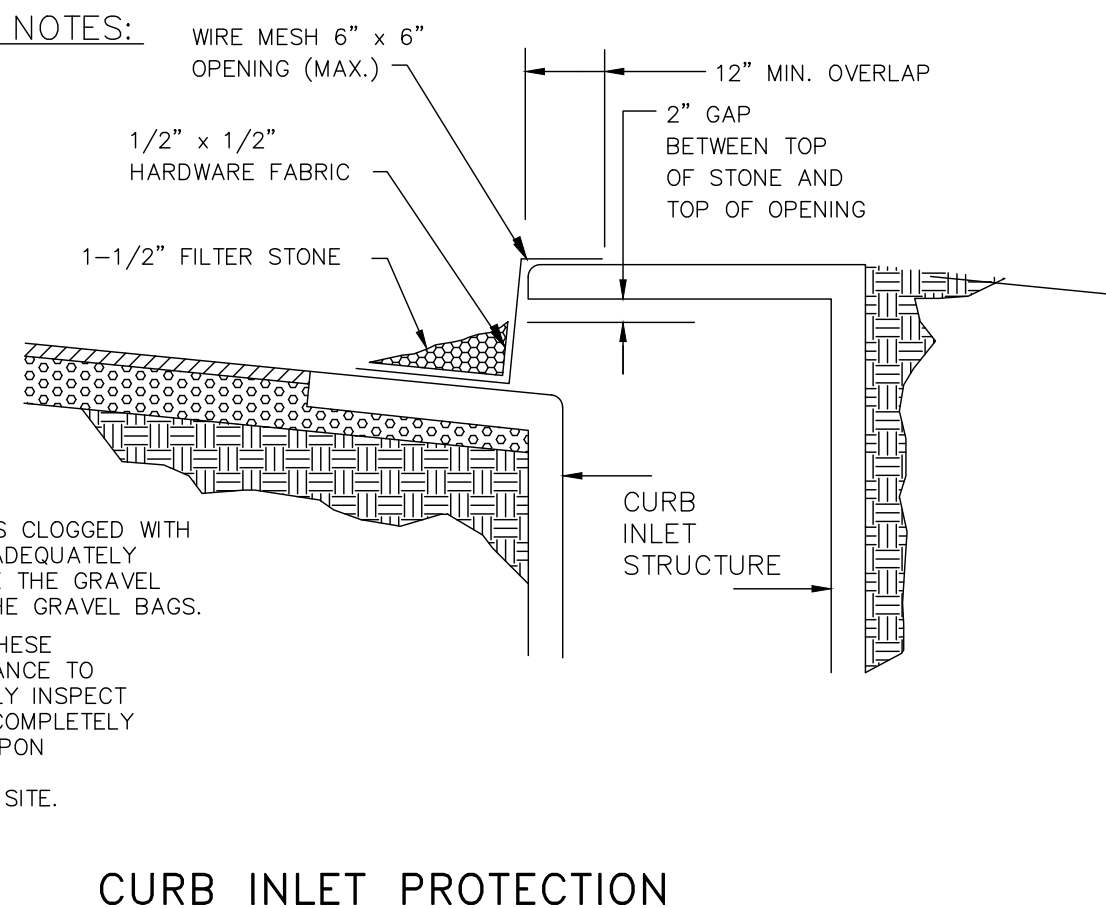
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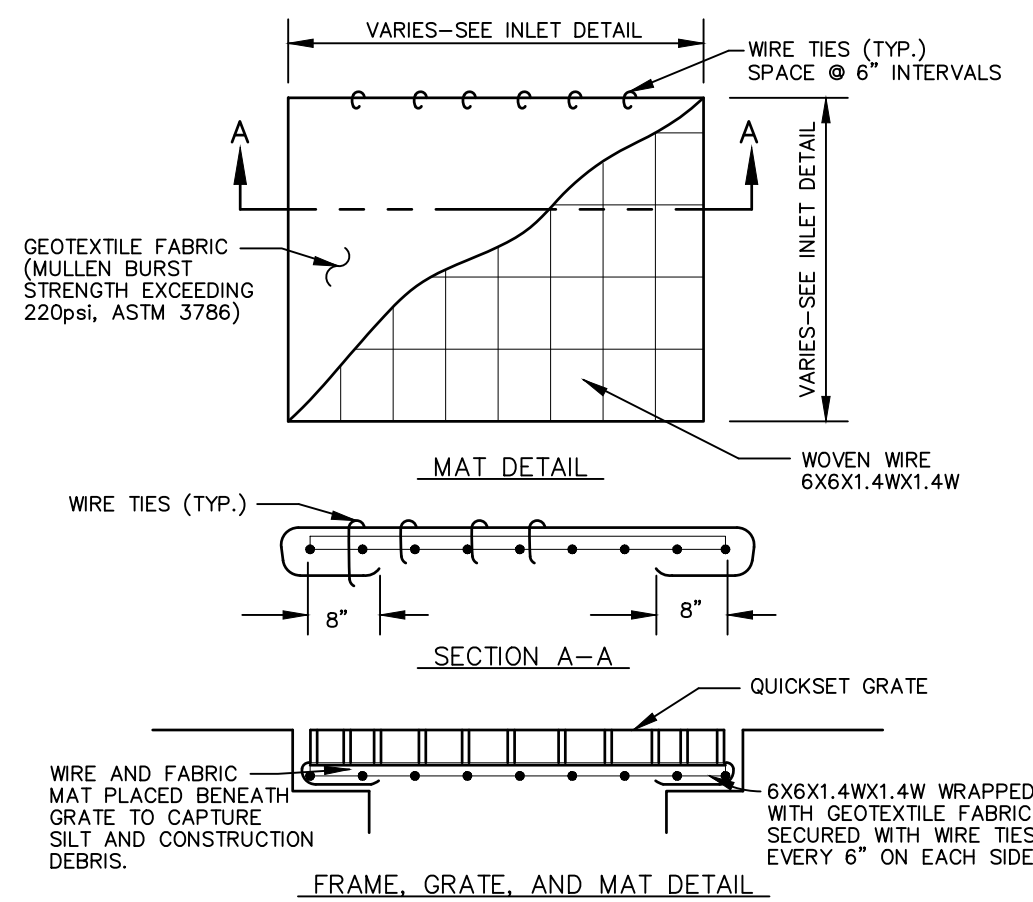


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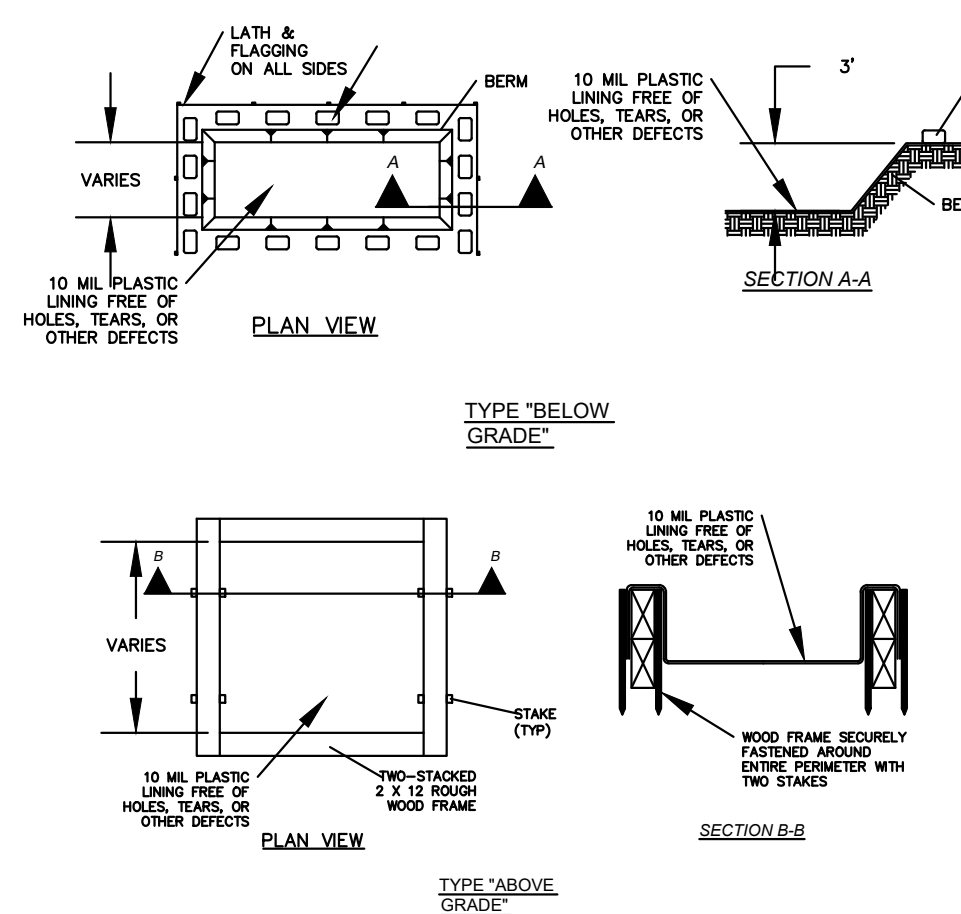
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GRATE INLET PROTECTION MAT

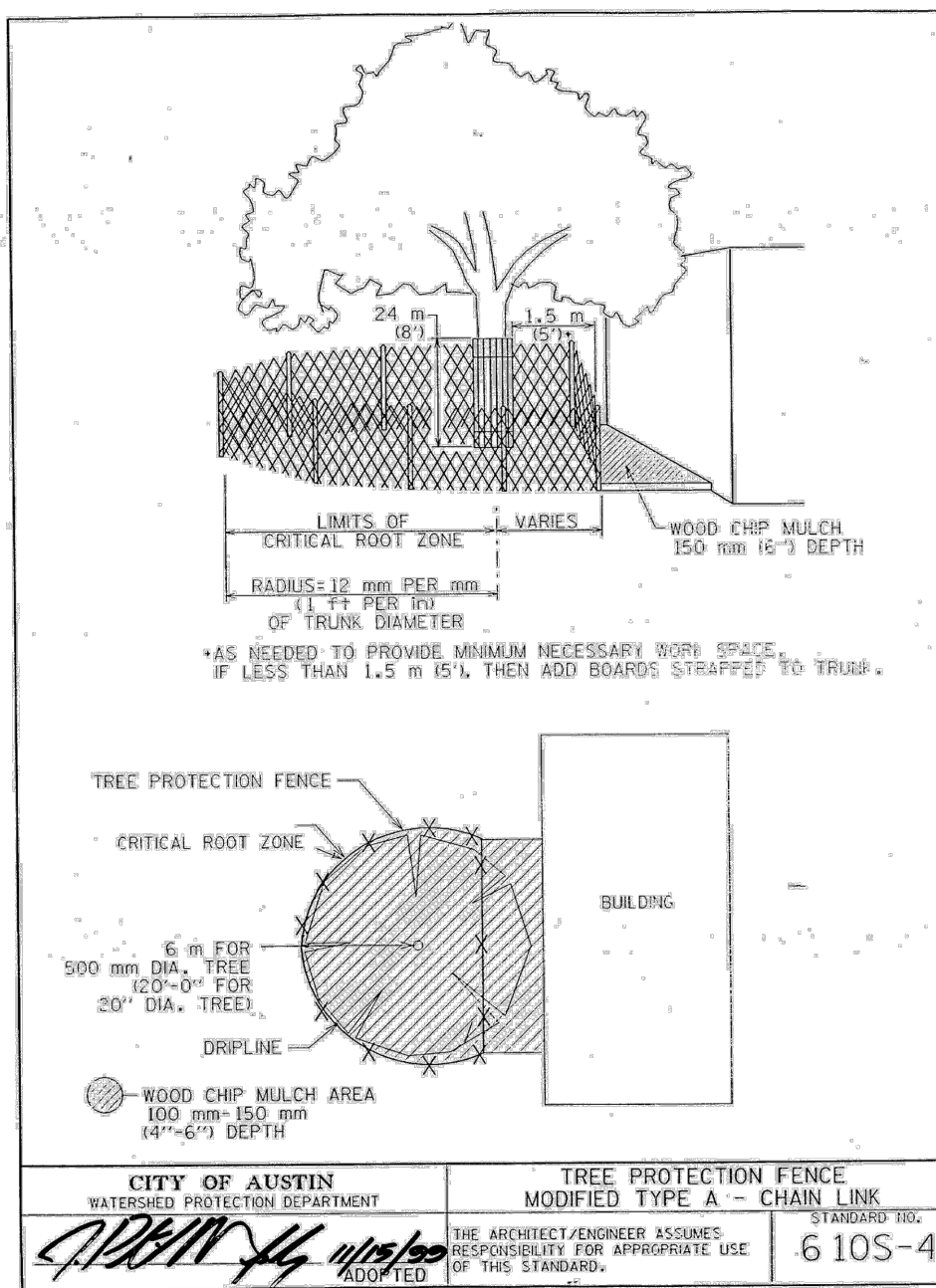
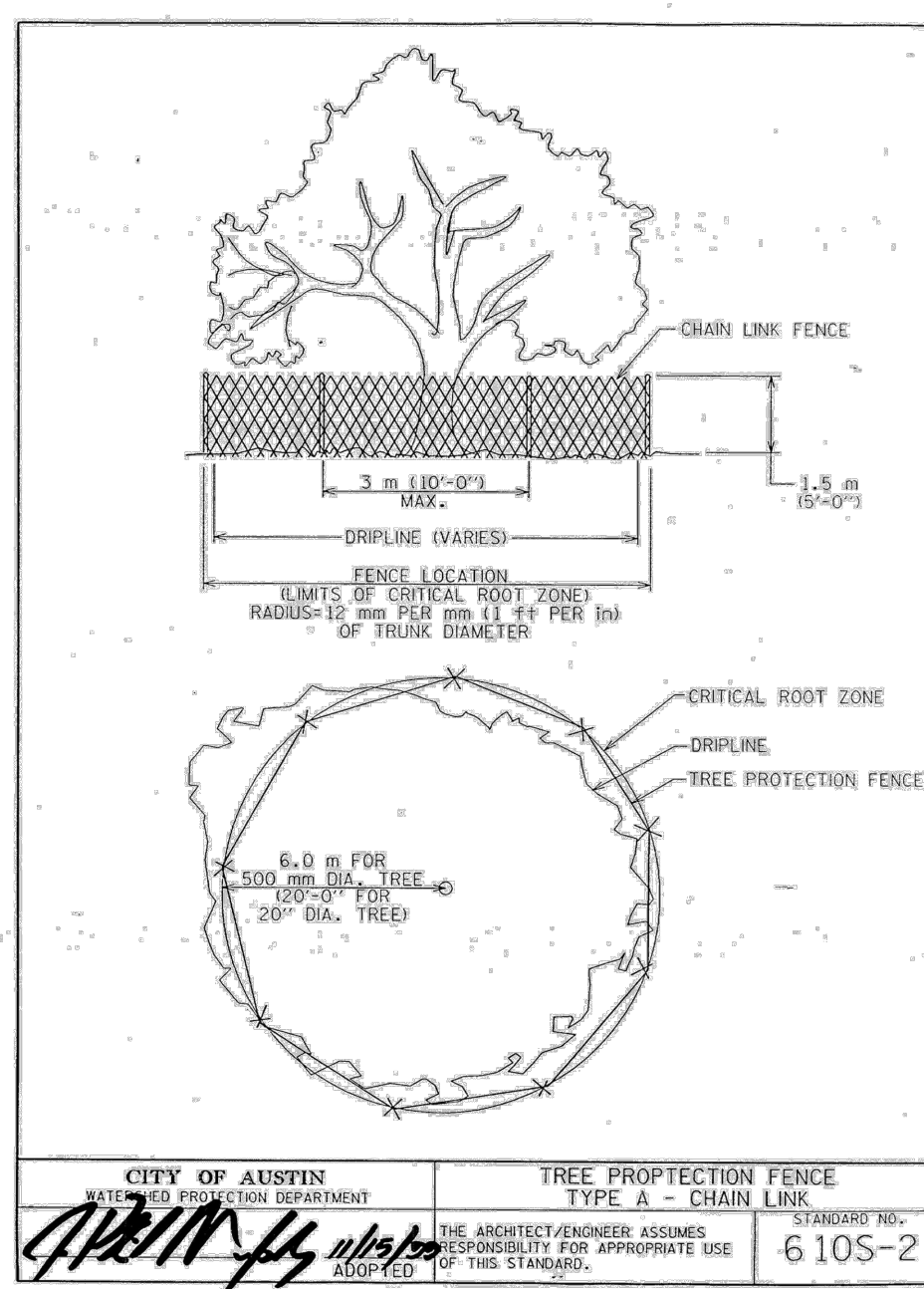
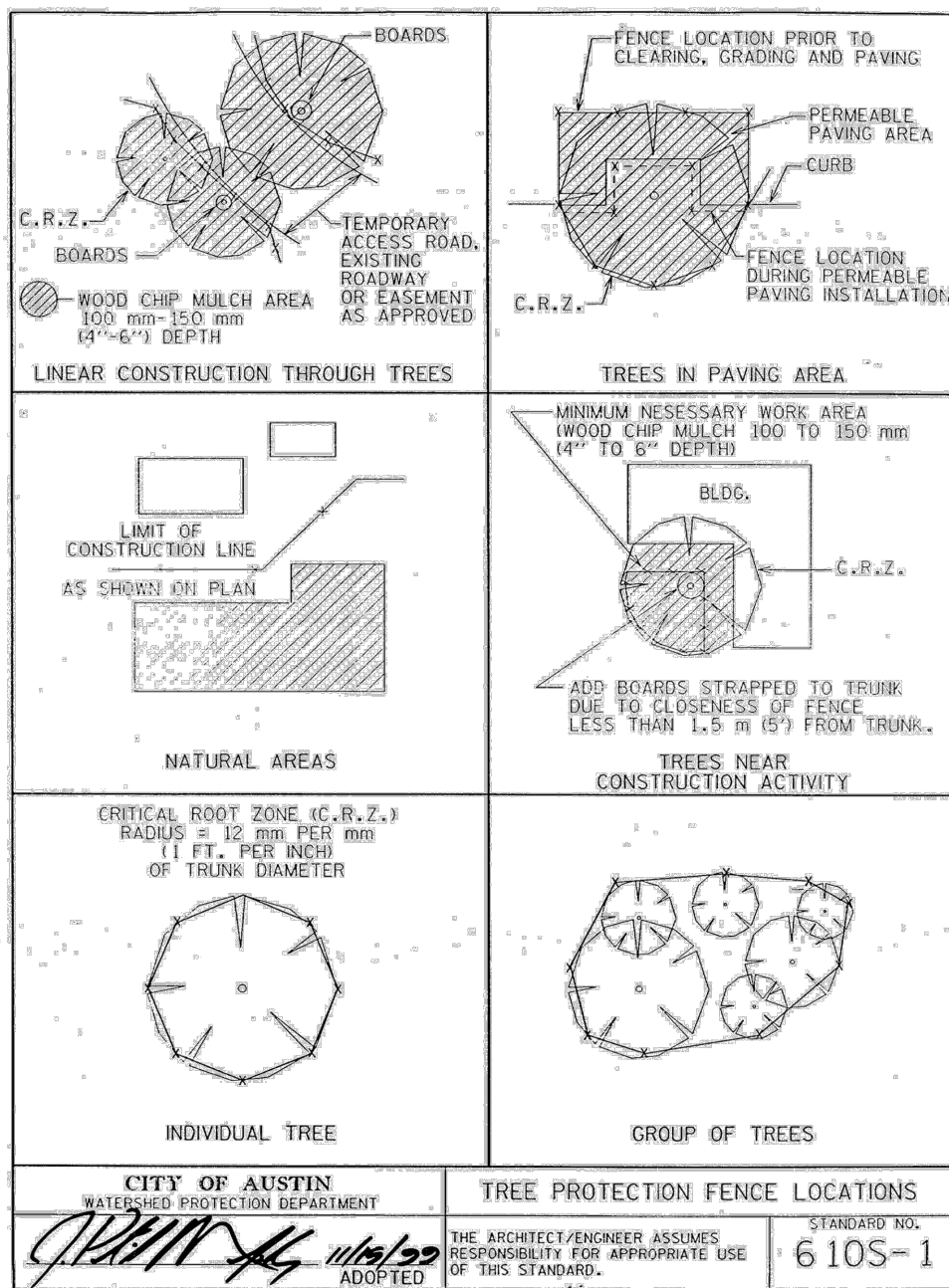
SCALE: N.T.S.



GENERAL NOTES:

- DETAIL ABOVE ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE INCREASED IN SIZE DEPENDING ON EXPECTED FREQUENCY OF USE.
- WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC.
- WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF AND AT LEAST 50 FEET FROM SENSITIVE FEATURES, STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.

### CONCRETE TRUCK WASHOUT PIT



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

**BENCHMARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE IN TOP OF HEADWALL  
 NORTHING = 10168857.71  
 EASTING = 31017115.60  
 NAVD88(GEOD18) ELEV. = 809.32

**TBM #52**  
 CUT SQUARE IN CONCRETE  
 NORTHING = 10168423.13  
 EASTING = 3101219.31  
 NAVD88(GEOD18) ELEV. = 802.56

**SOURCE BENCHMARK INFORMATION:**  
 CEDAR PARK GPS MONUMENT 31 "CP31";  
 3" BRASS DISK IN CONCRETE, STANDING ON  
 THE EAST R.O.W. OF CR 272, NORTH OF E.  
 BAYSTONE BLVD. (FM 1431), LOOKING SOUTH.  
 NAVD88(GEOD18) ELEV. = 808.73



# INSPECTION, MAINTENANCE, REPAIR AND RETROFIT PLAN

The inspection and maintenance plan outlines the procedures necessary to maintain the performance of the Permanent Best Management Practices for this project. It should be noted that the plan provides guidelines that may have to be adjusted dependent on site specific and weather related conditions.

It is the responsibility of the owner to provide the inspections and maintenance as outlined in the plan for the duration of the project. The owner will maintain this responsibility until it is assumed or transferred to another entity in writing. If the property is leased or sold, the responsibility for the maintenance will be required to be transferred through the lease agreement, binding covenants, closing documents, or other binding legal instrument.

Maintenance records shall be kept on the installation, maintenance, or removal of items necessary for the proper operation of the facilities. All inspections shall be documented. Records shall be maintained for a minimum of 3 years and shall be made available to TCEQ upon request. A sample inspection report is included with this attachment.

An amended copy of this document will be provided to the Texas Commission on Environmental Quality within thirty (30) days of any changes in the following information.

Responsible Party: Venkat Gudapuri  
Mailing Address: 3109 Kenai Dr, 109  
City, State: Cedar Park, Texas Zip: 78613  
Telephone: (512) 568-4457 Fax: N/A

I, the owner, have read and understand the requirements of the attached Inspection and Maintenance Plan for the proposed Permanent Best Management Practices for my project. I acknowledge that I will maintain responsibility for the implementation and execution of the plan until the responsibility is transferred to or assumed by another party in writing through a binding legal instrument.

Signature of Responsible Party  Date 05/16/2024

By:  Date May 16, 2024  
Ryan Schubert, P.E.

# Inspection and Maintenance For BMPs

## BATCH DETENTION BASIN

1. **Inspections:** Basins should be inspected at least twice a year (once during or immediately following wet weather) to evaluate facility operation. When possible, inspections should be conducted during wet weather to determine if the pond is meeting the target detention times. In particular, the extended detention control device should be regularly inspected for evidence of clogging, or conversely, for too rapid a release. If the design drawdown times are exceeded by more than 24 hours, then repairs should be scheduled immediately. The upper stage pilot channel, if any, and its flow path to the lower stage should be checked for erosion problems. During each inspection, erosion areas inside and downstream of the BMP should be identified and repaired or revegetated immediately.
2. **Mowing.** The upper stage, side slopes, embankment, and emergency spillway of an extended detention basin must be mowed regularly to discourage woody growth and control weeds. Grass areas in and around basins should be mowed at least twice annually to limit vegetation height to 18 inches. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas. When mowing of grass is performed, a mulching mower should be used, or grass clippings should be caught and removed.
3. **Debris and Litter Removal.** Debris and litter will accumulate near the extended detention control device and should be removed during regular mowing operations and inspections. Particular attention should be paid to floating debris that can eventually clog the control device or riser.
4. **Erosion Control.** The pond side slopes, emergency spillway, and embankment all may periodically suffer from slumping and erosion, although this should not occur often if the soils are properly compacted during construction. Regrading and revegetation may be required to correct the problems. Similarly, the channel connecting an upper stage with a lower stage may periodically need to be replaced or repaired. Grass areas in and around sand filters must be mowed at least twice annually to limit vegetation height to 18 inches. More frequent mowing to maintain aesthetic appeal may be necessary in landscape areas. Vegetation on the pond embankments should be mowed as appropriate to prevent the establishment of woody vegetation
5. **Structural Repairs and Replacement.** With each inspection, any damage to the structural elements of the system (pipes, concrete drainage structures, retaining walls, etc.) should be identified and repaired immediately. These repairs should include patching of cracked concrete, sealing of voids, and removal of vegetation from cracks and joints. The various inlet/outlet and riser works in a basin will eventually deteriorate and must be replaced. Public works experts have estimated that corrugated metal pipe (CMP) has a useful life of about 25 yr, whereas reinforced concrete barrels and risers may last from 50 to 75 yr.
6. **Nuisance Control.** Standing water (not desired in a extended detention basin) or soggy conditions within the lower stage of the basin can create nuisance conditions for nearby residents. Odors, mosquitoes, weeds, and litter are all occasionally perceived to be problems. Most of these problems are generally a sign that regular inspections and maintenance are not being performed (e.g., mowing, debris removal, clearing the outlet control device).
7. **Sediment Removal.** When properly designed, dry extended detention basins will accumulate quantities of sediment over time. Sediment accumulation is a serious maintenance concern in extended detention dry ponds for several reasons. First, the sediment gradually reduces available stormwater management storage capacity within the basin. Second, unlike wet extended detention basins (which have a permanent pool to conceal deposited sediments), sediment accumulation can make dry extended detention basins very unsightly. Third, and perhaps most importantly, sediment tends to accumulate around the control device. Sediment deposition increases the risk that the orifice will become clogged, and gradually reduces storage capacity reserved for pollutant removal. Sediment can also be resuspended if allowed to accumulate over time and escape through the hydraulic control to downstream channels and streams. For these reasons, accumulated sediment

needs to be removed from the lower stage when sediment buildup fills 20% of the volume of the basin or at least every 10 years.

8. Logic Controller. The Logic Controller should be inspected as part of the twice yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. At the end of the inspection, the controller should be reset.

## 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

[illegible]

## Construction Activity Sequence Log

[illegible]

\*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

[illegible]

## Stabilization Activities Log

[illegible]

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.



## Inspection Frequency Log

[illegible]

# Rain Gauge Log

[illegible]



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)					
<b>Inspection Frequency</b> <b>Standard Frequency:</b> <input type="checkbox"/> Weekly <input type="checkbox"/> Every 14 days and within 24 hours of a 0.25" rain <b>Increased Frequency:</b> <input type="checkbox"/> Every 7 days and within 24 hours of a 0.25" rain <b>Reduced Frequency:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Once per month (for stabilized areas)</li> <li><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)</li> <li><input type="checkbox"/> Once per month (for frozen conditions where earth-disturbing activities are being conducted)</li> </ul>					
<b>Was this inspection triggered by a 0.25" storm event?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>If yes, how did you determine whether a 0.25" storm event has occurred?</b> <input type="checkbox"/> Rain gauge on site <input type="checkbox"/> Weather station representative of site. Specify weather station source:  <b>Total rainfall amount that triggered the inspection (in inches):</b>					
<b>Unsafe Conditions for Inspection</b> <b>Did you determine that any portion of your site was unsafe for inspection?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>If "yes", complete the following:</b> <ul style="list-style-type: none"> <li>Describe the conditions that prevented you from conducting the inspection in this location:</li> <li>Location(s) where conditions were found:</li> </ul>					

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			
<b>Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>If "yes", provide the following information for each point of discharge:</b>			
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:	



<b>Section A – Initial Report</b> (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  <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  <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>  				
<b>Section B – Corrective Action Progress</b> (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:** \_\_\_\_\_

CONTRIBUTING ZONE PLAN

# PILOT-SCALE FIELD TESTING PLAN

(NOT APPLICABLE)



CONTRIBUTING ZONE PLAN

# **MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION**

During construction, standard erosion control measures will be used as shown in the construction plans. Runoff from the construction site will be contained by a silt fence until construction is complete. Debris will be captured by inlet protection measures and hauled off site. Entry and exit from the site will be through a stabilized construction entrance. Excess concrete will be removed from trucks into a concrete washout prior to vehicles leaving the site.

After completion of the project, temporary erosion and sedimentation measures will remain in place until vegetative cover is established. Details concerning the erosion/sedimentation protection plan can be found on the Erosion & Sedimentation Control Plans of the construction drawings.

***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: **May, 16, 2024**

Signature of Customer/Agent:



---

Regulated Entity Name:

## 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 (18 Acres)
  3. Initiate Grubbing and Topsoil Stripping of Site (18 Acres)
  4. Rough Subgrade Preparation (earthwork, grading, street and drainage excavation and embankment) (18 Acres)
  5. Wet and Dry Utility Construction (18 Acres)
  6. Final Subgrade Preparation (18 Acres)
  7. Installation of Base Materials (18 Acres)
  8. Concrete (foundations, curbs, flatwork) (18 Acres)
  9. Paving Activities (18 Acres)
  10. Topsoil, Irrigation and Landscaping (18 Acres)
  11. Site cleanup and Removal of Temporary BMPs (18 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 where 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.

## Mulch Sock

The purpose of a mulch sock is to intercept sheet flow and pond runoff, filtering sediment and allowing it to fall out of suspension. 12 to 18-inch diameter socks are suitable for all control applications and may be filled with mulch material manufactured on or off the project site. Do not place on slopes steeper than 2:1 or in areas where flow will become concentrated. Place so water flows perpendicular to the mulch sock at impact. Rebar stakes, wood stakes, or earth anchors may be used to hold the mulch sock in place and should be drove to a minimum depth of 24-inches leaving less than 12-inches of post above the exposed mulch socks. To prevent movement of the mulch log install stakes on the front side placed on 4-foot centers. If vegetated the mulch sock may be left in place, otherwise it should be cut open when the project is completed with the mulch spread evenly over the site. Because of this, mulch socks are used as cost effective and environmentally friendly alternatives to sediment fence.



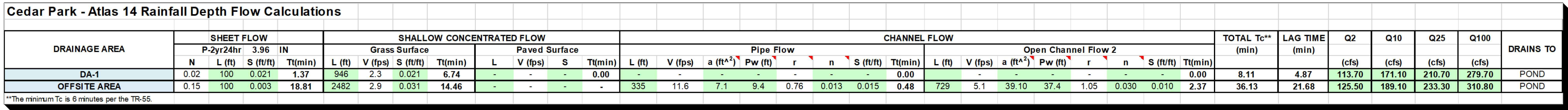
## Drainage Area Map







Plotted By: Marshall, Griffin    Date: June 20, 2024    01:28:13pm    File Path: K:\AUS\_Civil\069274410-Toro Grande Blvd\Shared Improvements\PlanSheets\C - Proposed Drainage Area Map.dwg

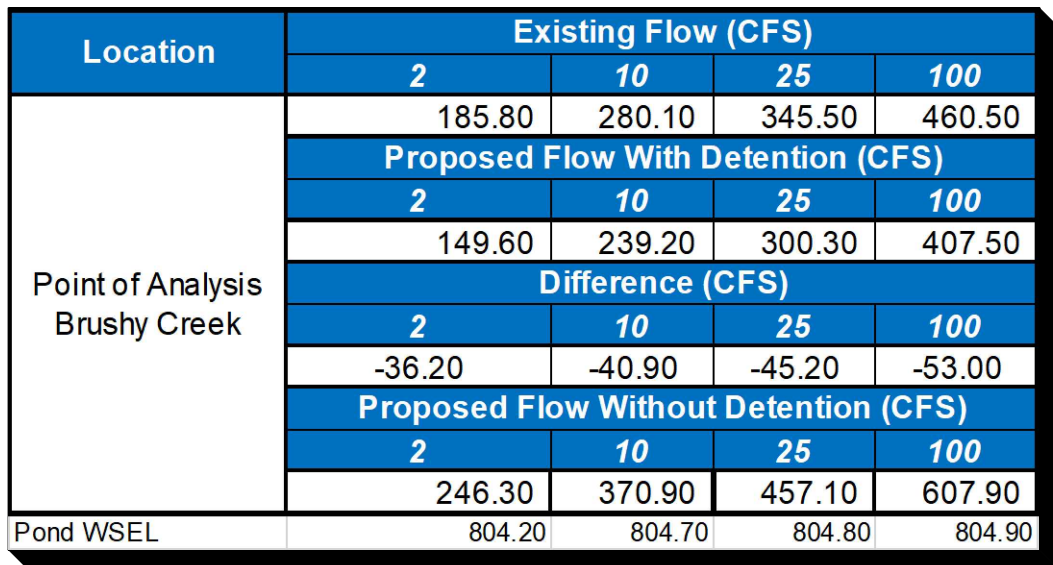
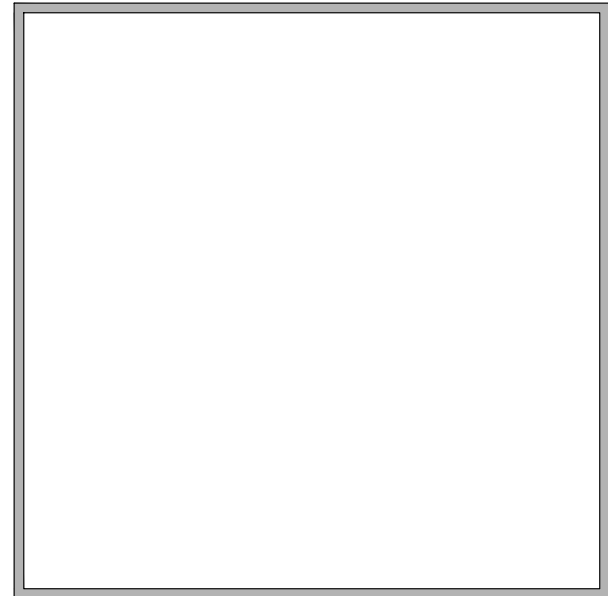


**WARNING: CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.**


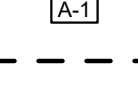















**BENCH MARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE IN TOP OF HEADWALL  
 NORTHING = 10168857.71'  
 EASTING = 3101715.60'  
 NAVD89(GEOD18) ELEV. = 809.32'

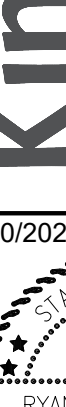

**TBM #52**  
 CUT SQUARE IN CONCRETE  
 NORTHING = 10168423.13'  
 EASTING = 310129.31'  
 NAVD89(GEOD18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
 CEDAR PARK GPS MONUMENT 31 "CP31".  
 3" BRASS DISK IN CONCRETE, STANDING ON  
 THE EAST S.O.W. OF CR 272, NORTH OF E  
 WHITESTONE BLVD. (FM 3151), LOOKING SOUTH.  
 NAVD89 (GEOD 99) ELEV. = 806.79'

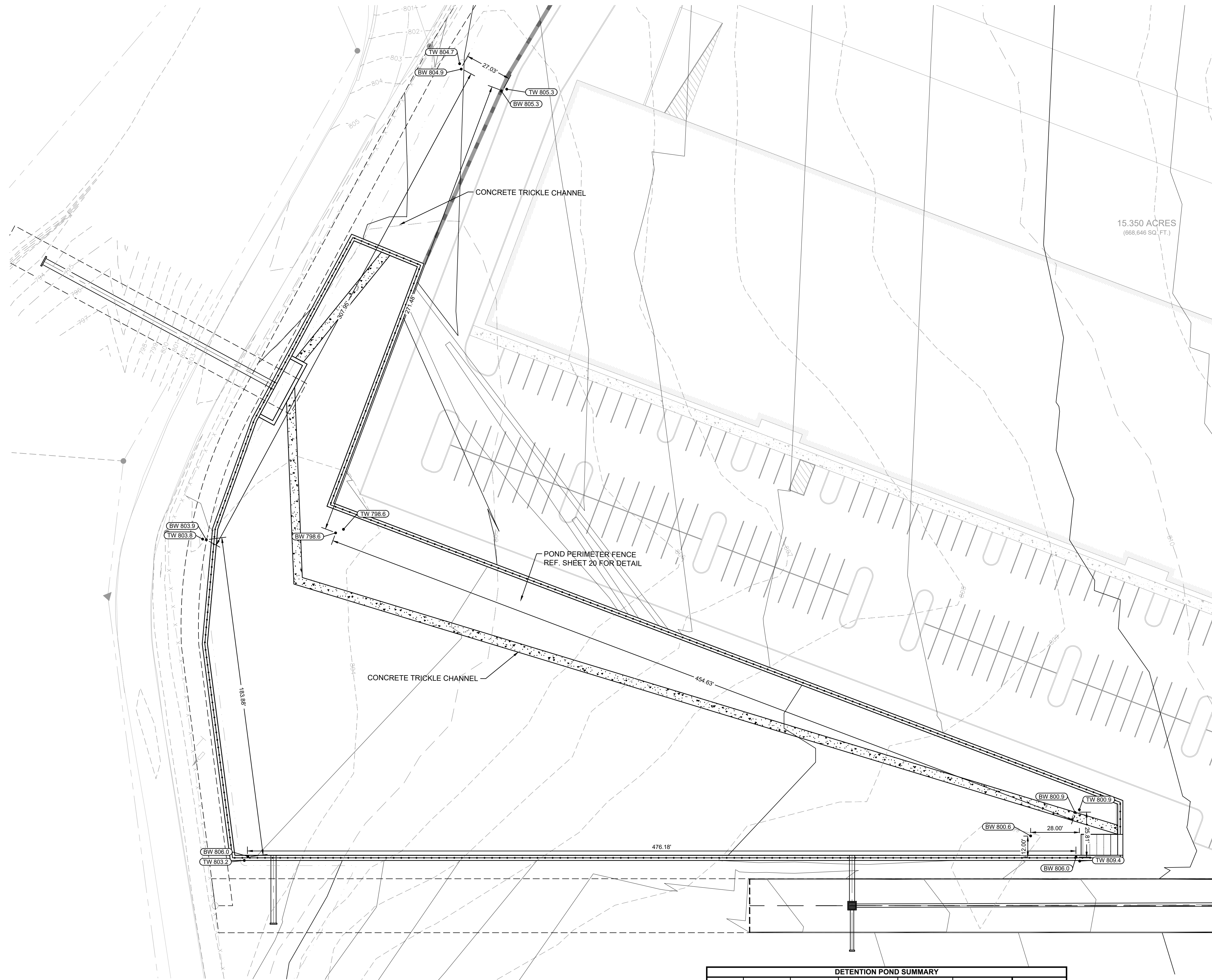


Soil Type	Land Use	CN	Weighted CN
<b>DA-1</b>			
D	Impervious	79.8%	98
	Brush - Brush weed grass mixture with brush the major element. (Fair)	20.2%	77
<b>OFFSITE AREA</b>			
D	Impervious Area	28.7%	98
	Brush - Brush weed grass mixture with brush the major element. (Fair)	71.4%	77

LEGEND	
	AREA DESIGNATOR
	AREA IN ACRES
	Q100 FLOW IN CFS
	INLET NUMBER
	PROPERTY LINE
	EXISTING STORM DRAIN LINE
	PROPOSED DRAINAGE DIVIDE
	PROPOSED STORM DRAIN LINE
	PROPOSED STORM DRAIN INLET
	PROPOSED STORM DRAIN MANHOLE
	PROPOSED STORM DRAIN HEADWALL
	PROPOSED FLOW DIRECTION
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	TIME OF CONCENTRATION PATH

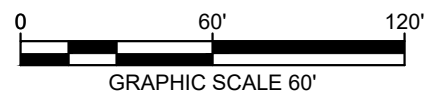
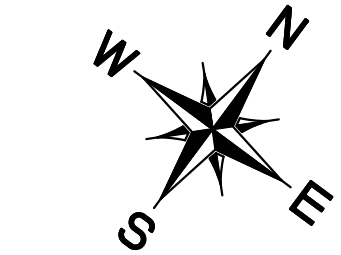
SHEET NUMBER <b>11</b> OF 24	<b>TORO GRANDE BLVD SHARED IMPROVEMENTS</b>  CITY OF CEDAR PARK WILLIAMSON COUNTY, TEXAS	<b>PROPOSED DRAINAGE AREA MAP</b>	KHA PROJECT 069274410	DATE JUNE 2024	SCALE: AS SHOWN	DESIGNED BY: RPS	DRAWN BY: GKM/CBC	CHECKED BY: JJK	 <p>06/20/2024</p>	 10814 JULLYVILLE ROAD AVALLON IV SUITE 200 AUSTIN, TX 78759 PHONE: 512-476-1791 WWW.KIMLEY-HORN.COM © 2024 KIMLEY-HORN AND ASSOCIATES, INC. TPE Firm No. 928	No.	REVISIONS	DATE	BY



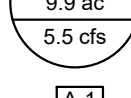











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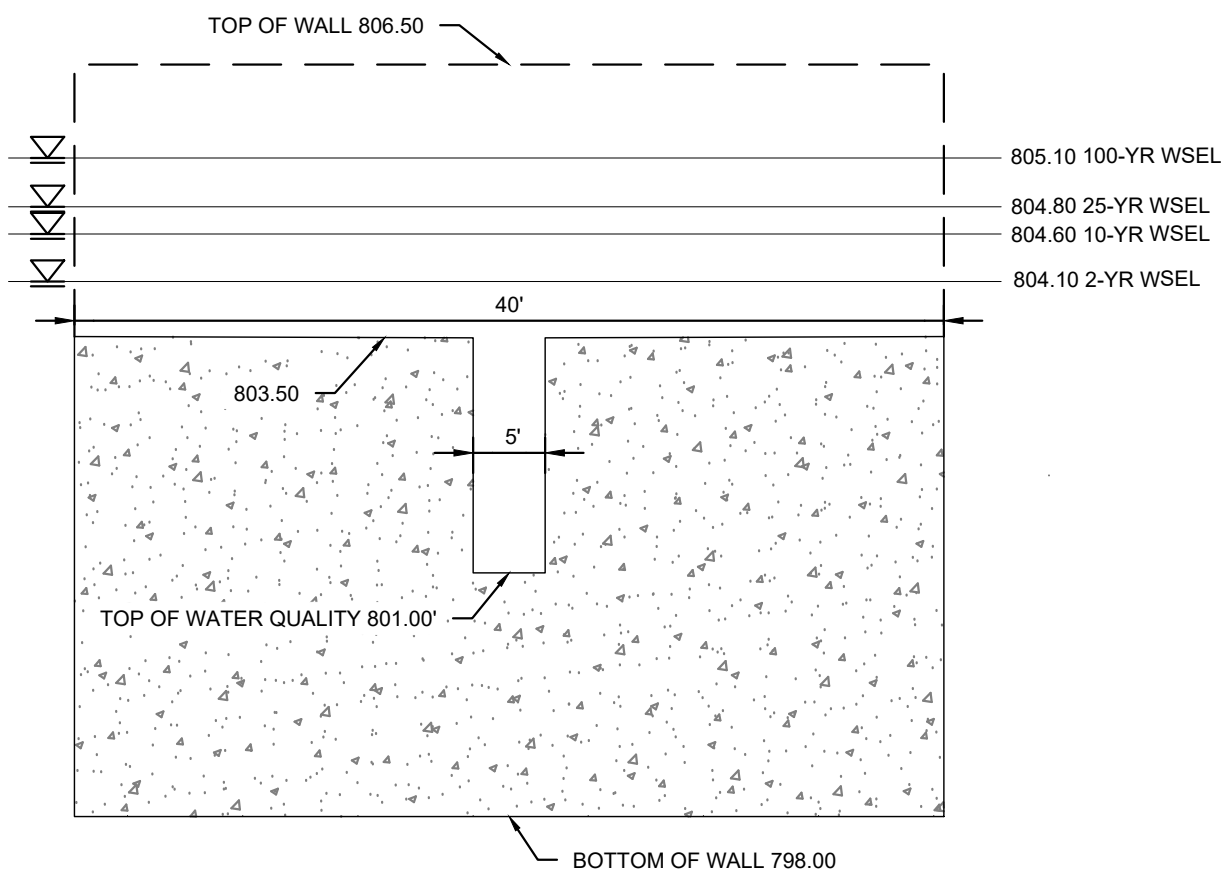
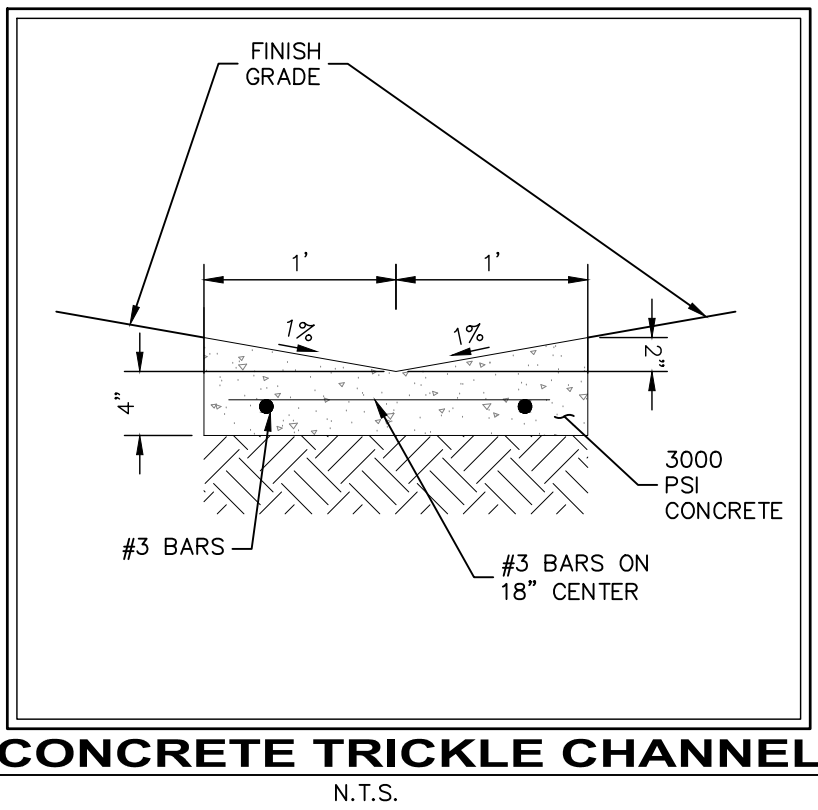
DETENTION POND SUMMARY						
	CONTOUR AREA (SF)	CONTOUR AREA (AC)	INCREMENTAL VOLUME (AC-FT)	CUMULATIVE VOLUME (AC-FT)	CUMULATIVE VOLUME (CF)	100-YR PEAK OUTFLOW (CFS)
801.00	70.115	1.610	0.30498	3.47925	121,556.15	0.2
802.00	70.138	1.610	0.00054	5.08939	227,694.00	16.1
803.00	70.162	1.611	0.00055	6.70009	291,855.90	43.9
804.00	70.187	1.611	0.00057	6.44171	280,600.94	147.7
805.00	70.212	1.612	0.00058	8.05356	350,813.08	469.2
806.00	70.238	1.612	0.00060	6.44626	280,799.04	-

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



## LEGEND

	AREA DESIGNATOR AREA IN ACRES Q10 FLOW IN CFS
	INLET NUMBER
	PROPERTY LINE
	PROPOSED STORM SEWER LINE
	EXISTING STORM SEWER LINE
	PROPOSED DRAINAGE DIVIDE
	PROPOSED STORM SEWER INLET
	PROPOSED STORM SEWER MANHOLE
	PROPOSED STORM SEWER HEADWALL
	PROPOSED FLOW DIRECTION
	PROPOSED CONTOUR
	EXISTING CONTOUR



**BENCHMARK INFORMATION:**  
**TBM #51**  
 CUT SQUARE IN TOP OF HEADWALL  
 NORTHING = 10168857.71'  
 EASTING = 3101715.60'  
 NAVD88(GEOID18)      ELEV. = 809.32'

**TBM #52**  
CUT SQUARE IN CONCRETE  
NORTHING = 10168423.13'  
EASTING = 3101219.31'  
NAVD88(GEOID18) ELEV. = 802.56'

**SOURCE BENCHMARK INFORMATION:**  
CEDAR PARK GPS MONUMENT 31 "CP31":  
3" BRASS DISK IN CONCRETE, STANDING ON  
THE EAST R.O.W. OF CR 272, NORTH OF E.  
WHITESTONE BLVD. (FM 1431), LOOKING SOUTH.  
NAVD88 (GEOID 99) ELEV. = 806.79'

## POND PLAN

**TORO GRANDE BLVD  
SHARED  
IMPROVEMENTS**  
CITY OF CEDAR PARK  
WILLIAMSON COUNTY, TEXAS

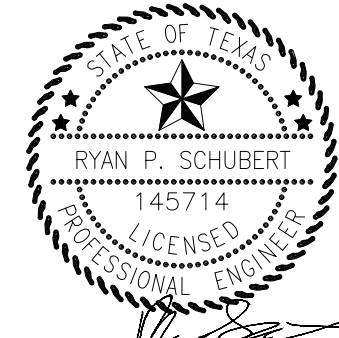
SHEET NUMBER  
15  
OF 24

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**Kimley»»Horn**

LYVILLE ROAD AVALLON IV SUITE 200 AUSTIN, TX 78759  
PHONE: 512-418-1771 FAX: 512-418-1791  
WWW.KIMLEY-HORN.COM  
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06/20/2024



KHA PROJECT 069274410	DATE JUNE 2024	SCALE: AS SHOWN	DESIGNED BY: RPS	DRAWN BY: GKM,CBC	CHECKED BY: JJK
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# Temporary Sediment Pond(s) Plans and Calculations

Calculations and drainage area maps are located in the construction plans in the exhibits section of this report.



# 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 14<sup>th</sup> 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 14<sup>th</sup> 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

[illegible]

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

[illegible]

## Stabilization Activities Log

[illegible]

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.



## Inspection Frequency Log

[illegible]

## Rain Gauge Log

[illegible]



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)					
<p>Inspection Frequency</p> <p>Standard Frequency: <input type="checkbox"/> Weekly <input type="checkbox"/> Every 14 days and within 24 hours of a 0.25" rain</p> <p>Increased Frequency: <input type="checkbox"/> Every 7 days and within 24 hours of a 0.25" rain</p> <p>Reduced Frequency:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Once per month (for stabilized areas)</li> <li><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)</li> <li><input type="checkbox"/> Once per month (for frozen conditions where earth-disturbing activities are being conducted)</li> </ul>					
<p>Was this inspection triggered by a 0.25" storm event? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, how did you determine whether a 0.25" storm event has occurred?</p> <p><input type="checkbox"/> Rain gauge on site <input type="checkbox"/> Weather station representative of site. Specify weather station source:</p> <p>Total rainfall amount that triggered the inspection (in inches):</p>					
<p>Unsafe Conditions for Inspection</p> <p>Did you determine that any portion of your site was unsafe for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If "yes", complete the following:</p> <ul style="list-style-type: none"> <li>Describe the conditions that prevented you from conducting the inspection in this location:</li> <li>Location(s) where conditions were found:</li> </ul>					

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

Owner,  
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 and Associates, Inc.  
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:



Applicant's Signature

May 16<sup>th</sup>, 2024

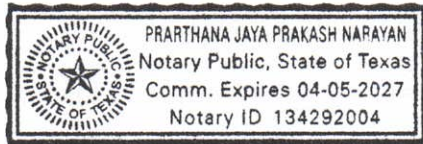
~~March 7, 2024~~  
Date

THE STATE OF TEXAS §

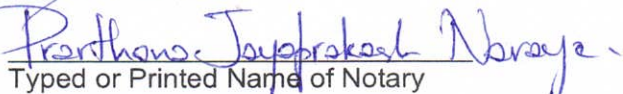
County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Venkat Gudapuri 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 16<sup>th</sup> day of May, 2024



NOTARY PUBLIC

  
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 04-05-2027



# Application Fee Form

## Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Toro Grande Shared Improvements

Regulated Entity Location: Northwest corner of Toro Grande Blvd & E Whitestone Blvd, Cedar Park

Name of Customer: Vasda Developers LLC Contact Person: Venkat Gudapuri

Phone: \_\_\_\_\_ 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

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(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	\$ 0
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$0
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	22.50 Acres	\$6500
Sewage Collection System	L.F.	\$ 0
Lift Stations without sewer lines	Acres	\$ 0
Underground or Aboveground Storage Tank Facility	Tanks	\$ 0
Piping System(s)(only)	Each	\$ 0
Exception	Each	\$ 0
Extension of Time	Each	\$ 0



Signature: \_\_\_\_\_

Date: March 7, 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



069274410 - TORO GRANDE – SHARED IMPROVEMENTS

CONTRIBUTING ZONE PLAN

## **Check Payable to the “Texas Commission on Environmental Quality”**

ADDITIONAL FORMS

069274410 - TORO GRANDE – SHARED IMPROVEMENTS

CONTRIBUTING ZONE PLAN

# Core Data Form





TCEQ Use Only

# TCEQ Core Data Form

For detailed instructions regarding completion of 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)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	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 Regulated Entity Ownership
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
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).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
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	32080551928	872181274	
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <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"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
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		vgudapuri@gmail.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
( 512 ) 590-4165		( ) -	

## SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency 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 - Shared Improvements	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>								
	City	Cedar Park	State	TX	ZIP	78641	ZIP + 4	
24. County	Williamson							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	Northwest Corner of Toro Grande Blvd and E Whitestone Blvd								
26. Nearest City	Cedar Park				State	Tx		Nearest ZIP Code	78641
27. Latitude (N) In Decimal:	30.539619			28. Longitude (W) In Decimal:	-97.776987				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
30	32	22.6284	97	46	37.1532				
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)				
5085	5541		423840		457110				
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>									
Industrial use on the back lot & retail/gas on the front lot									
34. Mailing Address:	Northwest Corner of Toro Grande Blvd and E Whitestone Blvd								
	City	Cedar Park	State	TX	ZIP	78641	ZIP + 4		
35. E-Mail Address:	vgudapuri@gmail.com								
36. Telephone Number	37. Extension or Code		38. Fax Number <i>(if applicable)</i>						
( 512 ) 590-4165	NA		( ) -						

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"/> Waste Water	<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 <i>(In Print)</i> :	Venkat Gudapuri	Phone:	( 512 ) 590- 4165
Signature:		Date:	04/25/2024