AMC DESIGN GROUP

Water Pollution Abatement Exception Request

For

Presidio Custom Metal Works
Small Site Plan & Maintenance

1300-B W. Industrial Blvd.
Round Rock, Texas 78682

Submitted to:
Texas Commission on Environmental Quality
Austin Regional Office

September 17, 2025

This report is released under the authority of
Christopher McComb, P.E., on September 17, 2025

AMC Design Group, Inc.
P.O. Box 303086
Austin, Texas 78703

Tel 512.385.2911
Texas Engineering Firm Registration No. F-1708

Water Pollution Abatement Exception Request
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Section 1

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.

3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.

4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

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

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.

6. If the geologic assessment was completed before October 1, 2004 and the site contains "possibly sensitive" features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: Presidio Custom Metal Works						**2. Regulated Entity No.:**			
3. Customer Name: PCMW Properties, LLC						**4. Customer No.:**			
5. Project Type: **(Please circle/check one)**	**New**		Modification			Extension		**Exception**	
6. Plan Type: **(Please circle/check one)**	**WPAP**	CZP	SCS	UST	AST	**EXP**	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		**Non-residential**				**8. Site (acres):**		0.53 acres
9. Application Fee:	$500.00		**10. Permanent BMP(s):**				N/A		
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**				N/A		
13. County:	Williamson		**14. Watershed:**				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

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

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	___	___	_1_
Region (1 req.)	___	___	_1_
County(ies)	___	___	_1_
Groundwater Conservation District(s)	___Edwards Aquifer Authority ___Barton Springs/ Edwards Aquifer ___Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda ___Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley ___Woodcreek	___Austin ___Bee Cave ___Pflugerville ___Rollingwood _1_Round Rock ___Sunset Valley ___West Lake Hills	___Austin ___Cedar Park ___Florence ___Georgetown ___Jerrell ___Leander ___Liberty Hill ___Pflugerville ___Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	___	___	___	___	___
Region (1 req.)	___	___	___	___	___
County(ies)	___	___	___	___	___
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___Trinity-Glen Rose	___Edwards Aquifer Authority	___Kinney	___EAA ___Medina	___EAA ___Uvalde
City(ies) Jurisdiction	___Castle Hills ___Fair Oaks Ranch ___Helotes ___Hill Country Village ___Hollywood Park ___San Antonio (SAWS) ___Shavano Park	___Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___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. Christopher B. McComb, P.E.
Print Name of Customer/Authorized Agent
 9/17/25
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):	

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN		**RN**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	9/17/2025

☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ 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:*

PCMW Properties, 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)*
805287702	32092236340	93-4942064	

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☒ Other: limited liability company

12. Number of Employees

☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☒ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	16238 RR 620 N, Suite F #404						
	City	Austin	**State**	TX	**ZIP**	78717	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	roddfrank8@gmail.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512) 797-2352		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Presidio Custom Metal Works

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	1300-B W. Industrial Blvd.							
	City	Round Rock	**State**	TX	**ZIP**	78681	**ZIP + 4**	
24. County	Williamson							

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

25. Description to Physical Location:	Exit IH-35 at Sam Bass Road in Round Rock. Travel west of on Sam Bass Road 870 feet, then north on Chisholm Trail Road 1330 feet to South Industrial Blvd., then 930 feet to West Industrial Blvd. to the property.

26. Nearest City	State	Nearest ZIP Code
, Round Rock	TX	78681

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

27. Latitude (N) In Decimal:	30.519		28. Longitude (W) In Decimal:	-97.694	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

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)
6512		332323	

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

Industrial building ownership.

34. Mailing Address:	**1300-B W. Industrial Blvd.**							
	City	**Round Rock**	**State**	**TX**	**ZIP**	**78681**	**ZIP + 4**	

35. E-Mail Address:	roddfrank8@gmail.com

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(512) 797-2352		( ) -

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.

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

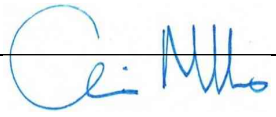
SECTION IV: Preparer Information

40. Name:	Christopher B McComb, P.E.	**41. Title:**	Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512 **)** 385-2911		**( )** -	chris@amcdesigngroup.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:	AMC Design Group, Inc.	**Job Title:**	President	
Name *(In Print):*	Christopher B. McComb, P.E.		**Phone:**	**(** 512 **)** 385- **2911**
Signature:			**Date:**	9/17/2025

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

I, Rodd Frank
Print Name

President of PCMW Properties, LLC

have authorized Chris McComb, P.E.
Print Name of Agent/Engineer

of AMC Design Group, 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:

Rodd Frank
Applicant's Signature

SEP 15 2025
Date

THE STATE OF TEXAS §

County of Williamson §

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

GIVEN under my hand and seal of office on this 15 day of September, 2025.

Cindy Weems
NOTARY PUBLIC

CINDY WEEMS
Notary Public, State of Texas
Comm. Expires 05-15-2029
Notary ID 10546162

Cindy Weems
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 5/15/2029

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Presidio Custom Metal Works
Regulated Entity Location: 1300-B W. Industrial Blvd., Round Rock, TX 78681
Name of Customer: PCMW Properties, LLC
Contact Person: Chris McComb, P.E. (Agent) Phone: 512-385-2911
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
☐ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
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

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

Signature: 

Date: 9/17/25

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

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

Organized Sewage Collection Systems and Modifications

Project	*Cost per Linear Foot*	*Minimum Fee-Maximum Fee*
Sewage Collection Systems	$0.50	$650 - $6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

Project	*Cost per Tank or Piping System*	*Minimum Fee-Maximum Fee*
Underground and Aboveground Storage Tank Facility	$650	$650 - $6,500

Exception Requests

Project	*Fee*
Exception Request	$500

Section 2

General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) 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.

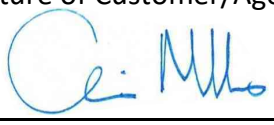
Signature

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 **General Information Form** is hereby submitted for TCEQ review. The application was prepared by:

Print Name of Customer/Agent: Christopher McComb, P.E.

Date: 9/17/25

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Presidio Custom Metal Works
2. County: Williamson
3. Stream Basin: Brushy Creek
4. Groundwater Conservation District (If applicable): N/A
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

   ☒ WPAP
   ☐ SCS
   ☐ Modification
   ☐ AST
   ☐ UST
   ☒ Exception Request

7. Customer (Applicant):

   Contact Person: Rodd Frank
   Entity: PCMW Properties, LLC
   Mailing Address: 16238 RR 620 N, Suite F #404
   City, State: Austin, TX Zip: 78717
   Telephone: 512-797-2352 FAX: _____
   Email Address: roddfrank8@gmail.com

8. Agent/Representative (If any):

   Contact Person: Christopher McComb, P.E.
   Entity: AMC Design Group, Inc.
   Mailing Address: PO Box 303086
   City, State: Austin, TX Zip: 78703
   Telephone: 512-385-2911 FAX: _____
   Email Address: chris@amcdesigngroup.com

9. Project Location:

   ☒ The project site is located inside the city limits of Round Rock.
   ☐ 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.

10. ☐ The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

    The property is located at 1300-B W. Industrial Blvd., which is 0.6 miles northwest of the intersection of Sam Bass Road and Chisholm Trail in Round Rock, Texas.

11. ☒ **Attachment A – Road Map**. A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.

12. ☒ **Attachment B - USGS / Edwards Recharge Zone Map**. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:

    ☒ Project site boundaries.
    ☒ USGS Quadrangle Name(s).
    ☒ Boundaries of the Recharge Zone (and Transition Zone, if applicable).
    ☒ Drainage path from the project site to the boundary of the Recharge Zone.

13. ☒ **The TCEQ must be able to inspect the project site or the application will be returned**. Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

☒ Survey staking will be completed by this date: 3/15/24

14. ☒ **Attachment C – Project Description**. Attached at the end of this form is a detailed narrative description of the proposed project. 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

15. 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/Uncleared)
    ☐ Other: _____

Prohibited Activities

16. ☒ I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

    (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);

    (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;

    (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;

    (4) The use of sewage holding tanks as parts of organized collection systems; and

    (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).

    (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. ☐ I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

    (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);

(2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and

(3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

18. The fee for the plan(s) is based on:

- ☐ For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- ☐ For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
- ☐ For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
- ☒ A request for an exception to any substantive portion of the regulations related to the protection of water quality.
- ☐ A request for an extension to a previously approved plan.

19. ☒ Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

- ☐ TCEQ cashier
- ☒ Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
- ☐ San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

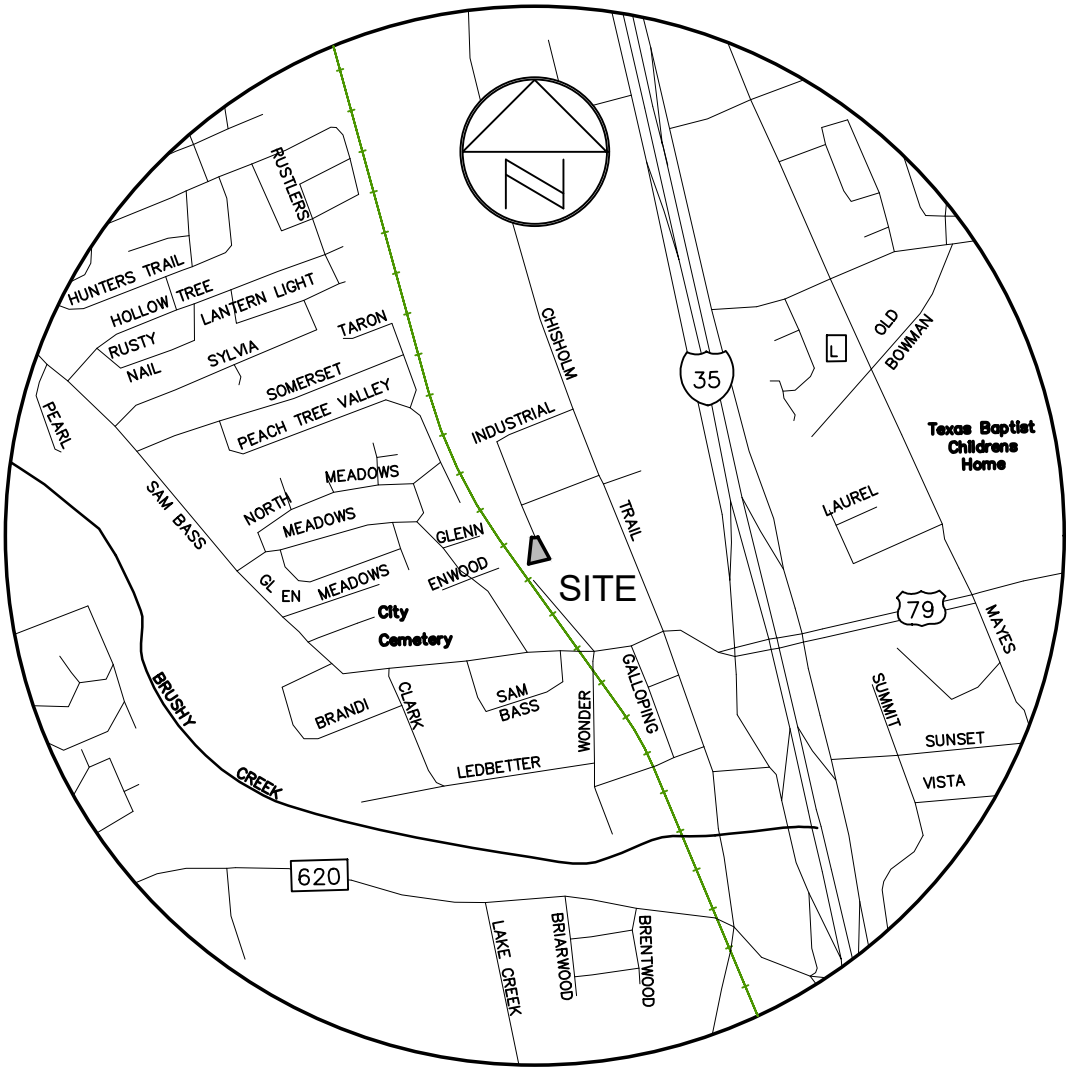
20. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

21. ☒ No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

Attachment A

A.0 Road/Location Map

1300-B W. INDUSTRIAL BLVD
ROUND ROCK, TEXAS



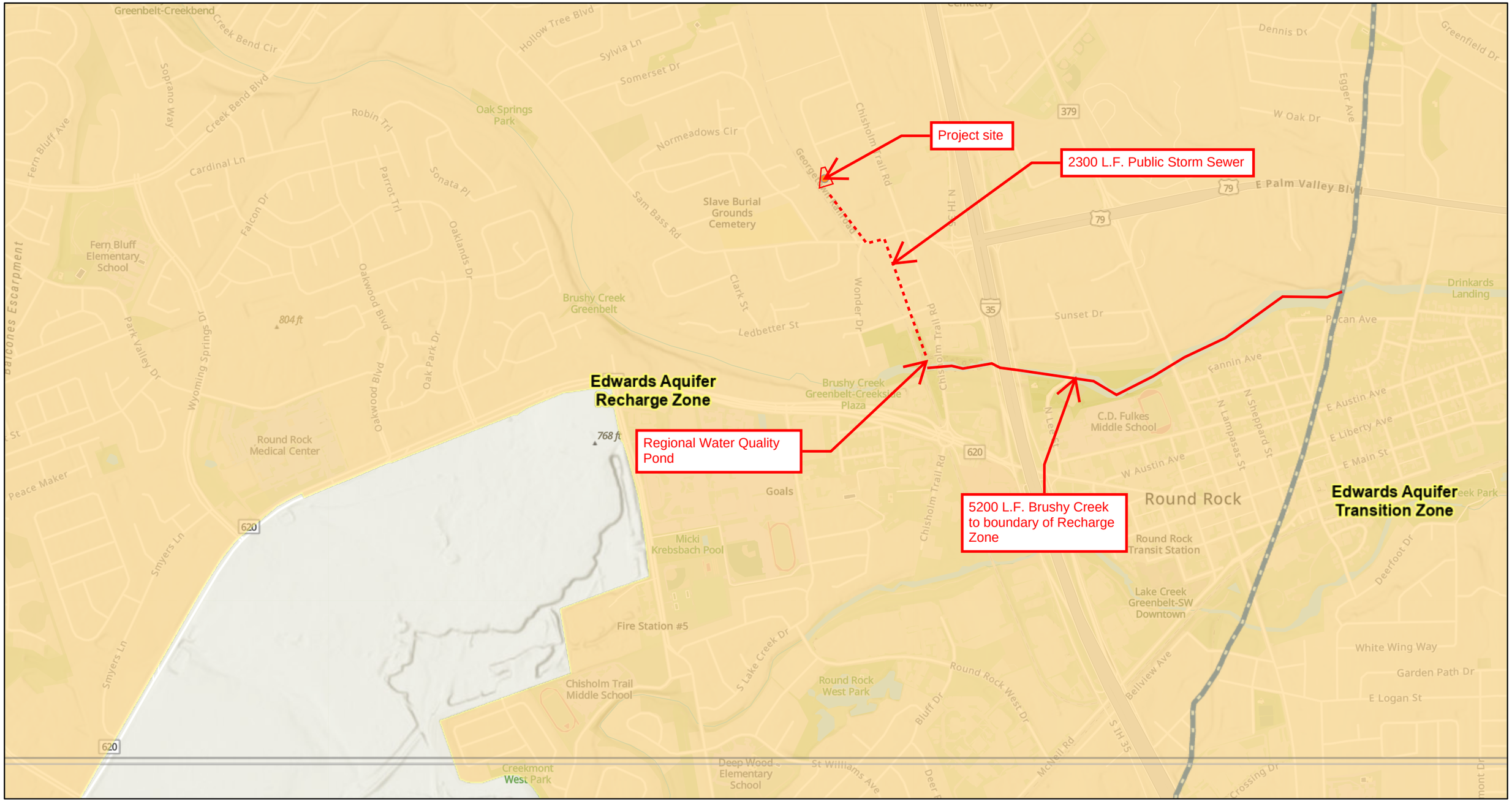
LOCATION MAP

N.T.S.

Attachment B

B.0 USGS/EDWARDS RECHARGE ZONE MAP

1300-B W. Industrial Blvd.



9/17/2025, 10:04:53 AM

1:15,701

0 0.15 0.3 0.6 mi

0 0.28 0.55 1.1 km

- ArcGIS World Geocoding Service
- TCEQ_EDWARDS_OFFICIAL_MAPS
- 7.5 Minute Quad Grid
- TX Counties
- City/Place
- Edwards Aquifer Boundary central line
- Edwards Aquifer Label
- World_Hillshade

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, TCEQ

Attachment C

C.0 Project Description

This project description incorporates all requirements for the Presidio Custom Metal Works project, a small commercial WPAP exception request submittal. The owner's intentions for the proposed development of the land encompassed within the 0.53 acre site and limits of construction include the construction of a new single story industrial building addition totaling 799 s.f. The construction shall be on Lot 9B of the Re-subdivision of Lots 9 and 10, Round Rock industrial Park, recorded Cabinet J, Slide 43 of the Plat Records of Williamson County, Texas. Construction on the property will include the building addition over an existing paved area, pavement repair and maintenance totaling 16,753 s.f. over existing pavement and gravel base, and related site construction. The property is fully developed and located in Williamson County. The existing site has 96.8 percent impervious cover. After the addition of these improvements, the site impervious cover will be reduced to 93.7 percent.

The property is bounded by industrial property to the south, the Round Rock Georgetown rail spur on the west, West Industrial Drive to the north, and industrial property to the east. The property exists totally within the Brushy Creek Watershed and the Edwards Aquifer Recharge Zone. **The property was developed prior to Edwards Aquifer development rules being in place for Williamson County.**

A drainage study was performed for this property. This study incorporates approximately 0.50 acres of on-site area, with two areas of off-site area that is adjacent to the property. The property naturally drains north to southwest. Area OS-1 is 6.66 acres and includes the subdivision drainage and public right of way. This runoff drains south to an existing concrete channel contained in a drainage easement that splits the western property line. Area OS-2 is a small 0.18 acre area immediately adjacent to the property on the east side. The drainage subbasins all drain to the south and southwest which is where we chose our point of analysis.

As mentioned above, the existing tract is fully developed at 96.8 percent impervious cover. There is no existing on-site detention or water quality pond since the property was developed prior to 1986. Since these improvements are either maintenance of existing impervious cover, or new construction on existing impervious cover, the existing drainage pattern will not change. Runoff from the property drains to the south towards existing public storm sewer. From there the runoff flows in a concrete storm sewer approximately 2300 l.f. south to an existing public regional water quality pond that discharges into Brushy Creek. Then east a total of 5200 l.f. to the boundary of the Recharge Zone.

Section 3

Recharge and Transition Zone Exception Request Form

Texas Commission on Environmental Quality
30 TAC §213.9 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 **Recharge and Transition Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Christopher McComb, P.E.
Date: 9/17/25
Signature of Customer/Agent:

Regulated Entity Name: Presidio Custom Metal Works

Exception Request

1. ☒ **Attachment A - Nature of Exception**. A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter A for which an exception is being requested have been identified in the description.
2. ☐ **Attachment B - Documentation of Equivalent Water Quality Protection**. Documentation demonstrating equivalent water quality protection for the Edwards Aquifer is attached. **N/A - project was constructed prior to Williamson County regulation.**

Administrative Information

3. ☒ 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. The copies must be submitted to the appropriate regional office.
4. ☒ The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
5. ☒ The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

Attachment A

A.0 Nature of Exception – See attached Engineering Summary Letter

AMC Design Group, Inc.
P.O. Box 303086
Austin, Texas 78703

Tel 512.385.2911
chris@amcdesigngroup.com

September 17, 2025

Monica Reyes
Region 11 – Edwards Aquifer Section Manager
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality

RE: **Presidio Custom Metal Works**
1300-B W. Industrial Blvd.
Round Rock, Texas 78682
WPAP Exception Request

Ms. Reyes:

We are pleased to submit this WPAP Exception Request on behalf of our client, Presidio Custom Metal Works. **Specifically, we request an exception to the Edwards Aquifer Protection Program requirements of on-site water quality treatment, the submittal of a water pollution abatement plan, and the submittal of a geologic assessment**. Our justification for this request is listed in the following paragraphs.

The current property is located at 1300-B W. Industrial Blvd. in Round Rock. The property is 0.53 acres and is fully developed at 96.8 percent impervious cover. The existing development consists of an existing industrial building that is 4095 s.f., as well as an existing asphalt and compacted base parking lot that is 18,257 s.f. The parking lot is in various states of disrepair, with some areas still having asphalt pavement, and others just having compacted base. The parking lot, whether there currently is asphalt or not, has existing curb and gutter around the perimeter. This lot was developed after 1977 but prior to 1986 Williamson County Edwards Aquifer regulations.

Proposed improvements include the addition of 799 s.f. to the existing building and maintenance and repair of the existing asphalt and compacted base parking lot. The building addition will be placed on an area that is 100% asphalt. Due to city landscaping regulations, we are removing some impervious cover in the form of pavement, thus the overall developed impervious cover after the improvements will be reduced to 93.7 percent.

The site was not required to be developed with an on-site detention pond, and the site was developed prior to on-site water quality controls were regulated by the city or TCEQ. Since these improvements are either maintenance of existing impervious cover, new construction on existing impervious cover, with an overall impervious cover reduction, the existing drainage pattern will not change and there will be no adverse

impact to the water quality exiting the site. For these reasons, we request an exception to the requirements listed above. We have attached copies of the Erosion & Sedimentation Control Plan, Site Plan, Grading Plan, and the existing and proposed Drainage Plans for review and confirmation of this request.

Please call or email if there are any questions. Thank you for a prompt turnaround.

Sincerely,

AMC Design Group, Inc.
Texas Registered Engineering Firm F-1708

Christopher McComb, P.E.
President

This report is released under the authority of
Christopher McComb, P.E., on September 17, 2025.

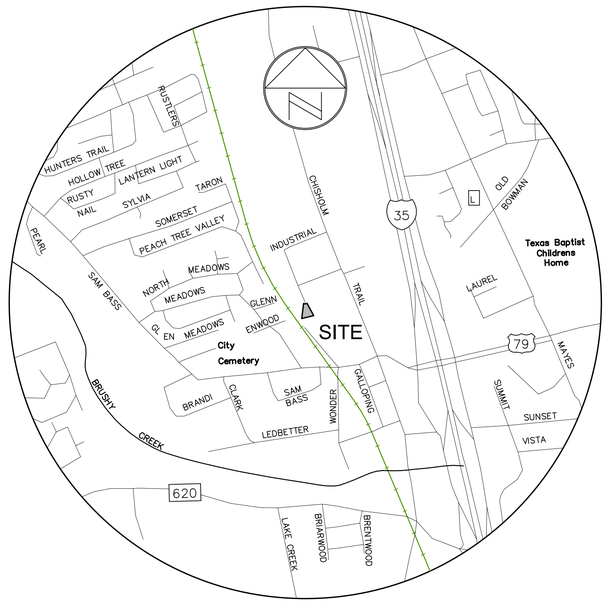
Attachments

Selected Site Plan sheets

PRESIDIO CUSTOM METAL WORKS

SMALL SITE PLAN DEVELOPMENT IMPROVEMENTS

1300-B W. INDUSTRIAL BLVD
ROUND ROCK, TEXAS



LOCATION MAP
N.T.S.

SSP24-00009

OWNER/DEVELOPER

PCMW PROPERTIES LLC
16238 RR 620 N SUITE F #404
AUSTIN, TEXAS 78717

OWNER'S REP FOR PLAN ALTERATIONS

LAND PLANNER	THROWER DESIGN P.O. BOX 41957 AUSTIN, TEXAS 78704 512-476-4456
CIVIL ENGINEER	AMC DESIGN GROUP INC. P.O. BOX 303086 AUSTIN, TEXAS 78703 512-385-2911
LANDSCAPE ARCHITECT	CIRCLE V LANDSCAPING P.O. BOX 170822 AUSTIN, TEXAS 78717 512-537-2384
SURVEYOR	DIAMOND SURVEYING, INC 116 SKYLINE ROAD GEORGETOWN, TEXAS 78628 512-931-3100

LEGAL DESCRIPTION

TRACT OF LAND SITUATED IN THE JACOB M. HARRELL SURVEY, ABSTRACT NO. 284, BEING ALL OF LOT 9B, RESUBDIVISION OF LOTS 9 AND 10 ROUND ROCK INDUSTRIAL PARK, RECORDED IN CABINET J, SLIDE 43 OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS.

RELATED CASE NO.

ZONING	N/A
SUBDIVISION	N/A
SITE PLAN	N/A
WPAP	EXCEPTION PENDING

LOCATION INFO

GRID #: L43
MAPSCO #: 376T

WATERSHED STATUS

THIS SITE IS LOCATED IN THE BRUSHY CREEK CREEK WATERSHED.

THIS SITE IS LOCATED OVER THE EDWARD'S AQUIFER RECHARGE ZONE.

FLOODPLAIN INFORMATION

NO PORTION OF THIS SITE IS WITHIN THE 100 YEAR FLOODPLAIN AS PER FEMA FIRM PANEL 48491C0489F DATED DECEMBER 20, 2019, FOR WILLIAMSON COUNTY, TEXAS.

GENERAL NOTES

1. REFER TO SHEET 2 FOR ALL CITY AND GENERAL CONSTRUCTION NOTES.
2. THE DISTURBED AREAS WITHIN THIS PROJECT SHALL BE REVEGETATED AND ALL PERMANENT EROSION/ SEDIMENTATION CONTROLS COMPLETED PRIOR TO THE RELEASE OF FISCAL SURETY FOR THAT PHASE. TEMPORARY EROSION/SEDIMENTATION CONTROLS SHALL BE ADJUSTED AS NEEDED PRIOR TO THIS RELEASE TO ENSURE THAT SUBSEQUENT PHASE DISTURBED AREAS ARE ADEQUATELY COVERED. ANY AREA WITHIN THE LIMIT OF DISTURBANCE OF THE PROJECT WHICH IS NOT ADEQUATELY REVEGETATED SHALL BE BROUGHT INTO COMPLIANCE PRIOR TO THE RELEASE OF THE FINAL PHASE.
3. APPROVAL OF THESE PLANS BY THE CITY OF ROUND ROCK 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.
4. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN ACCEPTING THESE PLANS, THE CITY OF ROUND ROCK MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
5. DETENTION IS NOT REQUIRED FOR THIS SITE SINCE THE DEVELOPED FLOWS DO NOT EXCEED PREDEVELOPED FLOWS.

BENCHMARKS

BENCHMARK 100: PK NAIL SET IN ASPHALT AT SOUTHWEST PORTION OF CUL-DE-SAC OF INDUSTRIAL BOULEVARD, IMMEDIATELY NORTH OF CENTERLINE OF CONCRETE DRAINAGE CHANNEL.
ELEVATION=746.73'
SURFACE COORDINATES: N=10163636.94 E=3127930.32

BENCHMARK 2800: PK NAIL SET ON TOL OF CURB ON THE WEST SIDE OF INDUSTRIAL BOULEVARD AT THE START OF CUL-DE-SAC, APPROXIMATELY 100' NORTH OF CONCRETE DRAINAGE CHANNEL LOCATE AT SOUTHWEST PORTION OF CUL-DE-SAC.
ELEVATION=748.10'
SURFACE COORDINATES: N=10163730.73 E=3127895.64

REVISIONS / CORRECTIONS

No.	Description	Total # Sheets in Plan Set	Net Change Imp. Cover (SF)	Approval - Date

Know what's **below.**
Call before you dig.

811

SUBMITTAL DATE: 11/06/24
SUBMITTED FOR APPROVAL BY:

CHRIS MCCOMB, P.E.

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 THE CODE COMPLIANCE BY CITY ENGINEERS.

SHEET INDEX

APPROVALS

ACCEPTED FOR CONSTRUCTION:

CITY OF ROUND ROCK, TEXAS — DATE
PLANNING AND DEVELOPMENT SERVICES DEPARTMENT

STATE OF TEXAS

COUNTY OF WILLIAMSON

I, CHRIS MCCOMB, DO HEREBY CERTIFY THAT THE PUBLIC WORKS AND DRAINAGE IMPROVEMENTS DESCRIBED HEREIN HAVE BEEN DESIGNED IN COMPLIANCE WITH THE SUBDIVISION AND BUILDING REGULATION ORDINANCES AND STORMWATER DRAINAGE POLICY ADOPTED BY THE CITY OF ROUND ROCK, TEXAS.

DATE

AREA OF DISTURBANCE/LIMITS OF CONSTRUCTION:
0.530 ACRES (23,093 sf)

AREA OF EXISTING IMPERVIOUS COVER:
0.513 ACRES (22,351.82 sf) 96.8%

AREA OF NEW IMPERVIOUS COVER:
0.497 ACRES (21,647.78 sf) 93.7%

AMC DESIGN GROUP
ENGINEERING AND CONSTRUCTION CONSULTANTS
P.O. BOX 303086
AUSTIN, TEXAS 78703
512-385-2911
TEXAS REGISTERED ENGINEERING FIRM F-1708

STATE OF TEXAS
CHRIS McCOMB
80442
LICENSED PROFESSIONAL ENGINEER
9/17/25

Thrower Design
LAND PLANNERS
P.O. BOX 41957 AUSTIN, TEXAS 78704 (512) 476-4456

NO	DATE	DESCRIPTION

PRESIDIO CUSTOM METAL WORKS
SITE PLAN
1300-B W. INDUSTRIAL DRIVE
ROUND ROCK, TEXAS

COVER SHEET

BASIC REQUIREMENTS

DESCRIPTION OF PROJECT
A. THE PORTION OF WORK WITHIN THESE DOCUMENTS INCLUDES SITE WORK, SITE UTILITIES AND DRAINAGE IMPROVEMENTS REQUIRED TO COMPLETE THE WORK WITHIN THE LIMITS OF CONSTRUCTION SHOWN.

SITE INVESTIGATION
A. ALL INFORMATION OBTAINED BY THE OWNER REGARDING SITE CONDITIONS; TOPOGRAPHY; EXISTING CONSTRUCTION OF SITE FACILITIES; AND SUBSURFACE INVESTIGATIONS, INCLUDING TEST BORING LOGS ARE AVAILABLE FOR EXAMINATION AT THE OFFICE OF THE ENGINEER.

EXISTING UTILITIES
A. APPROXIMATE LOCATIONS OF MAJOR UTILITIES AND STRUCTURES ARE SHOWN ON THE DRAWINGS, THERE MAY BE SOME DISCREPANCIES AND OMISSIONS IN THE LOCATIONS AND SIZE OF UTILITIES AND STRUCTURES SHOWN .
B. NOTIFY ALL UTILITY OFFICES THAT ARE AFFECTED BY THE CONSTRUCTION OPERATION AT LEAST 48 HOURS IN ADVANCE.

CUTTING AND PATCHING
A. EMPLOY A SKILLED AND EXPERIENCED INSTALLER TO PERFORM CUTTING AND PATCHING NEW WORK; RESTORE WORK WITH NEW PRODUCTS.
B. SUBMIT WRITTEN REQUEST IN ADVANCE OF CUTTING OR ALTERING EXISTING STRUCTURES OR UTILITIES.
C. FIT WORK TIGHT TO ADJACENT ELEMENTS AND MAINTAIN INTEGRITY OF EXISTING WORK.

PROGRESS MEETINGS
A. SCHEDULE AND ADMINISTER MEETINGS AT THE SITE THROUGHOUT PROGRESS OF THE WORK AT MINIMUM MONTHLY INTERVALS.
B. PRESIDE AT MEETINGS, RECORD MINUTES, AND DISTRIBUTE TYPED COPIES WITHIN TWO DAYS TO THOSE AFFECTED BY DECISIONS MADE.

SUBMITTAL PROCEDURES
A. SUBMITTAL FORM TO IDENTIFY PROJECT, CONTRACTOR, SUBCONTRACTOR OR SUPPLIER, AND PERTINENT CONTRACT DOCUMENT REFERENCE.
B. APPLY CONTRACTOR'S STAMP, SIGNED OR INITIALLED, CERTIFYING THAT REVIEW, VERIFICATION OF PRODUCTS REQUIRED, FIELD DIMENSIONS, ADJACENT CONSTRUCTION WORK, AND COORDINATION OF INFORMATION IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK AND CONTRACT DOCUMENTS.
C. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND PRODUCT OR SYSTEM LIMITATIONS WHICH MAY BE DETRIMENTAL TO SUCCESSFUL PERFORMANCE OF COMPLETED WORK.
D. REVISE AND RESUBMIT AS REQUIRED; IDENTIFY ALL CHANGES MADE SINCE PREVIOUS SUBMITTAL.

CONSTRUCTION PROGRESS SCHEDULE
A. SUBMIT INITIAL PROGRESS SCHEDULE IN DUPLICATE WITHIN 10 DAYS AFTER DATE OF CONTRACT.
B. SUBMIT REVISED SCHEDULES WITH EACH APPLICATION FOR PAYMENT, IDENTIFYING CHANGES SINCE PREVIOUS VERSION. INDICATE ESTIMATE PERCENTAGE OF COMPLETION FOR EACH ITEM OF WORK AT EACH SUBMISSION.
C. SUBMIT HORIZONTAL BAR CHART WITH SEPARATE LINE FOR EACH MAJOR SECTION OF WORK OR OPERATION, IDENTIFYING FIRST WORK DAY OF EACH WEEK.

SHOP DRAWINGS
A. SUBMIT NUMBER OF COPIES WHICH THE CONTRACTOR REQUIRES, PLUS TWO COPIES WHICH WILL BE RETAINED BY THE ENGINEER.
B. INCLUDE AS A MINIMUM DIMENSIONS, SIZE, LOCATION OF CONNECTIONS TO OTHER WORK, WEIGHT OF EQUIPMENT, AND SUPPORTING CALCULATIONS.

PRODUCT DATA
A. SUBMIT NUMBER OF COPIES WHICH THE CONTRACTOR REQUIRES, PLUS TWO COPIES WHICH WILL BE RETAINED BY THE ENGINEER.
B. MARK EACH COPY TO IDENTIFY APPLICABLE PRODUCTS, MODELS, OPTIONS, AND OTHER DATA. SUPPLEMENT MANUFACTURER'S STANDARD DATA TO PROVIDE INFORMATION UNIQUE TO THIS PROJECT.

MANUFACTURERS' INSTRUCTIONS AND CERTIFICATIONS
A. SUBMIT AS NOTED IN INDIVIDUAL SPECIFICATION SECTIONS.

QUALITY ASSURANCE
A. MAINTAIN QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKMANSHIP TO PRODUCE WORK OF SPECIFIED QUALITY.
B. COMPLY FULLY WITH MANUFACTURER'S INSTRUCTIONS.
C. COMPLY WITH SPECIFIED STANDARDS AS A MINIMUM QUALITY FOR THE WORK EXCEPT WHEN MORE STRINGENT TOLERANCES, CODES, OR SPECIFIED REQUIREMENTS INDICATE HIGHER STANDARDS OR MORE PRECISE WORKMANSHIP.

REFERENCES
A. CONFORM TO REFERENCE STANDARD BY DATE OF ISSUE CURRENT AS OF DATE OF CONTRACT.
B. SHOULD SPECIFIED REFERENCE STANDARD CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ENGINEER BEFORE PROCEEDING.

MANUFACTURERS' FIELD SERVICES
A. REPRESENTATIVE SHALL SUBMIT WRITTEN REPORT TO ENGINEER LISTING OBSERVATIONS AND RECOMMENDATIONS.

TESTING LABORATORY SERVICES
A. OWNER WILL SELECT A TESTING LABORATORY TO PERFORM INSPECTIONS, TESTS, AND OTHER SERVICES REQUIRED BY INDIVIDUAL SPECIFICATION SECTIONS.
B. ALL COSTS FOR LABORATORY TESTING OF EARTHWORK AND CONCRETE SHALL BE PAID FOR BY THE OWNER. THE CONTRACTOR SHALL BEAR THE COSTS FOR ALL TESTS REQUIRED TO BE REPEATED.
C. SERVICES WILL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING AUTHORITIES AND WITH SPECIFIED STANDARDS.
D. CONTRACTOR SHALL COOPERATE WITH TESTING LABORATORY PERSONNEL; FURNISH TOOLS, SAMPLES OF MATERIALS, DESIGN MIX, EQUIPMENT, STORAGE AND ASSISTANCE AS REQUESTED.
E. NOTIFY ENGINEER/TESTING LABORATORY 48 HOURS PRIOR TO EXPECTED TIME FOR OPERATIONS REQUIRING TESTING SERVICES.
F. MAKE ARRANGEMENTS WITH TESTING LABORATORY AND PAY FOR ADDITIONAL SAMPLES AND TESTS FOR CONTRACTOR'S CONVENIENCE.
G. FURNISH AND DELIVER SAMPLES/CYLINDERS TO LAB FOR TESTING.

TEMPORARY ELECTRIC POWER AND LIGHTING
A. PROVIDE AND PAY FOR POWER SERVICES REQUIRED FROM SOURCE.
B. PROVIDE POWER OUTLETS FOR CONSTRUCTION OPERATIONS, BRANCH WIRING, DISTRIBUTION BOXES, AND FLEXIBLE POWER CORDS AS REQUIRED.

TEMPORARY WATER
A. PROVIDE WATER, AS NEEDED, FOR OWN USE.
B. PROVIDE AN ADEQUATE SUPPLY OF POTABLE DRINKING WATER FOR USE BY EMPLOYEES AND ENGINEER'S EMPLOYEES.

SANITARY FACILITIES
A. PROVIDE AND MAINTAIN REQUIRED SANITARY FACILITIES AND ENCLOSURES.
B. MAINTAIN CLEAN AND SANITARY CONDITION.

WATER FOR TESTING
A. PROVIDE THE NECESSARY WATER REQUIRED FOR TESTING EQUIPMENT PRIOR TO ACCEPTANCE OF THE WORK, UNLESS OTHERWISE SPECIFICALLY STATED IN THE SPECIFICATIONS FOR THE EQUIPMENT, SYSTEM, OR FACILITY.

TEMPORARY TELEPHONE SERVICE
A. PROVIDE ON-SITE TELEPHONE SERVICE FOR CONTRACTOR'S AND ENGINEER'S USE DURING THE PERIOD OF CONSTRUCTION OF THE CONTRACT.

TEMPORARY WATER CONTROL
A. MAINTAIN EXCAVATIONS AND TRENCHES FREE OF WATER. PROVIDE AND OPERATE PUMPING EQUIPMENT OF A CAPACITY TO CONTROL WATER FLOW.
B. PROVIDE DEWATERING SYSTEM AND PUMPING TO MAINTAIN EXCAVATIONS DRY AND FREE OF WATER INFLOW ON A 24 HOURS BASIS.
C. PROVIDE PIPING TO HANDLE PUMPING OUTFLOW TO DISCHARGE IN A MANNER TO AVOID EROSION OR DEPOSIT OF SILT.

TEMPORARY ACCESS ROADS AND PARKING
A. CONSTRUCT AND MAINTAIN TEMPORARY CONSTRUCTION ACCESS ROADS, PARKING AREAS, AND DETOURS AS ARE REQUIRED TO EXECUTE THE WORK.

TEMPORARY HEATING AND VENTILATING
A. PROVIDE ADEQUATE HEAT AND VENTILATION TO ALL PARTS OF THE WORK.
B. SEE REQUIREMENTS OF SPECIFICATIONS FOR MINIMUM TEMPERATURE TO BE MAINTAINED FOR VARIOUS TRADES.
C. VENTILATE ENCLOSED AREAS.
D. DO NOT USE PERMANENT SYSTEMS TO PROVIDE TEMPORARY HEATING OR VENTILATION.

PROTECTION OF FINISHED WORK
A. PROTECT INSTALLED WORK AND PROVIDE SPECIAL PROTECTION WHERE SPECIFIED IN INDIVIDUAL SPECIFICATION SECTIONS.

PROGRESS CLEANING
A. MAINTAIN AREAS FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION.

FIELD OFFICES AND SHEDS
A. OFFICE: WEATHER TIGHT, SECURE, WITH LIGHTING, ELECTRICAL OUTLETS, HEATING, COOLING AND VENTILATING EQUIPMENT, AND EQUIPPED WITH STURDY FURNITURE, DRAWING DISPLAY TABLE, AND TELEPHONE.
B. PROVIDE SPACE FOR PROJECT MEETINGS WITH TABLE AND CHAIRS.
C. SHEDS: WEATHER TIGHT, SECURE, AND VENTILATED.

BASIC REQUIREMENTS (CON'T.)

REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS
A. REMOVE TEMPORARY EROSION CONTROL CONSTRUCTION, ABOVE GRADE OR BURIED UTILITIES, EQUIPMENT, FACILITIES, AND MATERIALS, PRIOR TO SUBSTANTIAL COMPLETION INSPECTION.
B. REMOVE AND REPAIR DAMAGE CAUSED BY INSTALLATION OR USE OF TEMPORARY WORK.

PRODUCTS
A. PRODUCTS: NEW MATERIAL, MACHINERY, COMPONENTS, EQUIPMENT, AND SYSTEMS FORMING WORK, BUT DOES NOT INCLUDE MACHINERY OR EQUIPMENT USED FOR PREPARATION, FABRICATION, OR ERECTION OF WORK.
B. USE INTERCHANGEABLE COMPONENTS OF THE SAME MANUFACTURE FOR SIMILAR COMPONENTS.

TRANSPORTATION, HANDLING, STORAGE, AND PROTECTION
A. TRANSPORT, HANDLE, STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

SUBSTITUTIONS
A. ONLY WITH SUBMITTAL OF THE BID WILL ENGINEER CONSIDER REQUESTS FROM CONTRACTOR FOR SUBSTITUTIONS. SUBSEQUENTLY, SUBSTITUTIONS WILL BE CONSIDERED ONLY WHEN A PRODUCT BECOMES UNAVAILABLE DUE TO NO FAULT OF CONTRACTOR.
B. DOCUMENT EACH REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS.

SYSTEMS DEMONSTRATION
A. PRIOR TO FINAL INSPECTION, DEMONSTRATE OPERATION OF EACH SYSTEM TO ENGINEER AND OWNER.
B. INSTRUCT OWNER'S PERSONNEL IN OPERATION, ADJUSTMENT, AND MAINTENANCE OF EQUIPMENT AND SYSTEMS, USING THE OPERATION AND MAINTENANCE DATA AS THE BASIS OF INSTRUCTION.

CONTRACT CLOSEOUT PROCEDURES
A. SUBMIT WRITTEN CERTIFICATION THAT CONTRACT DOCUMENTS HAVE BEEN REVIEWED, WORK HAS BEEN INSPECTED, AND WORK IS COMPLETE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND READY FOR ENGINEERS INSPECTION.
B. SUBMIT FINAL APPLICATION FOR PAYMENT IDENTIFYING TOTAL ADJUSTED CONTRACT PRICE, PREVIOUS PAYMENTS, AND AMOUNT REMAINING DUE.

FINAL CLEANING
A. EXECUTE FINAL CLEANING PRIOR TO FINAL INSPECTION.
B. CLEAN INTERIOR AND EXTERIOR SURFACES EXPOSED TO VIEW.
C. CLEAN DEBRIS, WASTE AND SURPLUS SUPPLIES, RUBBISH, AND CONSTRUCTION FACILITIES FROM SITE.

PROJECT RECORD DOCUMENT
A. MAINTAIN ON SITE IN THE OFFICE, ONE SET OF CONTRACT DOCUMENTS, SHOP DRAWINGS, AND PRODUCT SUBMITTALS TO BE UTILIZED FOR RECORD DOCUMENTS.
B. RECORD ACTUAL REVISIONS TO THE WORK CONCURRENT WITH CONSTRUCTION PROGRESS.
C. SPECIFICATION, RECORD DOCUMENTS, AND SHOP DRAWINGS: LEGIBLY MARK EACH ITEM TO RECORD ACTUAL CONSTRUCTION OR PRODUCT INSTALLED.
D. SUBMIT DOCUMENTS TO ENGINEER WITH FINAL APPLICATION FOR PAYMENT.

OPERATION AND MAINTENANCE DATA
A. SUBMIT 2 SETS PRIOR TO FINAL INSPECTION, BOUND IN 8-1/2 X 11 INCH TEXT PAGES WITH DURABLE PLASTIC COVERS.
B. PREPARE BINDER COVER WITH PRINTED TITLE "OPERATION AND MAINTENANCE MANUAL", AND TITLE OF PROJECT.
C. INTERNALLY SUBDIVIDE THE BINDER CONTENTS WITH PERMANENT PAGE DIVIDERS, LOGICALLY ORGANIZED, WITH TABS CLEARLY PRINTED UNDER REINFORCED LAMINATED PLASTIC TABS.
D. CONTENTS:
1.1. DIRECTORY LISTING NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF ENGINEER, CONTRACTOR, SUBCONTRACTORS, AND MAJOR EQUIPMENT SUPPLIERS.
1.2. OPERATION AND MAINTENANCE INSTRUCTIONS, ARRANGED BY SYSTEM.
1.3. CERTIFICATES.
1.4. SHOP DRAWINGS.
1.5. PRODUCT DATA.
1.6. WARRANTIES.

WARRANTIES
A. PROVIDE DUPLICATE NOTARIZED COPIES.
B. EXECUTE AND ASSEMBLE DOCUMENTS FROM SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS.
C. SUBMIT PRIOR TO FINAL APPLICATION FOR PAYMENT.
D. UNLESS NOTED IN THE CONTRACT DOCUMENTS, PROVIDE A WARRANTY LASTING 12 MONTHS FROM SUBSTANTIAL COMPLETION.

SPARE PARTS AND MAINTENANCE MATERIALS
A. PROVIDE PRODUCTS, SPARE PARTS, MAINTENANCE AND EXTRA MATERIALS IN QUANTITIES SPECIFIED IN INDIVIDUAL SPECIFICATION SECTIONS.
B. DELIVER TO PROJECT SITE AND PLACE IN LOCATIONS AS DIRECTED; OBTAIN RECEIPT PRIOR TO FINAL PAYMENT.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROUND ROCK (CORR) DESIGN AND CONSTRUCTION STANDARDS (DACS) SPECIFICATIONS MANUAL.
2. ANY EXISTING UTILITIES, PAVEMENT, CURBS, SIDEWALKS, STRUCTURES, TREES, ETC. (NOT PLANNED FOR DEMOLITION OR REMOVAL) THAT ARE DAMAGED OR REMOVED, SHALL BE REPAIRED, OR REPLACED, AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL VERIFY ALL DEPTHS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES. ANY DISCREPANCIES WITH THE CONSTRUCTION PLANS FOUND IN THE FIELD SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER WHO SHALL BE RESPONSIBLE FOR REVISING THE PLANS AS APPROPRIATE. FAILURE TO COMPLETE THIS STEP PRIOR TO COMMENCEMENT OF CONSTRUCTION MAY RESULT IN SIGNIFICANT DELAYS AND/OR EXPENDITURES FOR WHICH THE CITY SHALL NOT BE HELD LIABLE.
4. MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL PAVING CONSTRUCTION.
5. THE CONTRACTOR SHALL PROVIDE THE CITY OF ROUND ROCK WITH A 48-HOUR NOTICE BEFORE BEGINNING EACH PHASE OF CONSTRUCTION. TELEPHONE (512) 218-5428 (PLANNING AND DEVELOPMENT SERVICES DEPARTMENT -PDS)
6. ALL AREAS DISTURBED OR EXPOSED DURING CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THIS INCLUDES ANY AREAS LOCATED OUTSIDE OF THE DEFINED LIMITS OF CONSTRUCTION (LOC), IN RIGHTS-OF-WAY (ROW), OR LOCATED ON ADJACENT PROPERTIES. REVEGETATION OF ALL DISTURBED OR EXPOSED AREAS SHALL CONSIST OF SODDING OR SEEDING, AT THE CONTRACTOR'S DISCREPANCY, AS OUTLINED IN THE CITY'S DESIGN AND CONSTRUCTION STANDARDS. THE TYPE OF REVEGETATION PROVIDED MUST BE EQUIVALENT TO OR EXCEED THE TYPE OF VEGETATION PRESENT PRIOR TO CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE HELD BETWEEN THE CITY OF ROUND ROCK, THE DESIGN ENGINEER, THE CONTRACTOR, SUBCONTRACTORS, OTHER UTILITY COMPANIES, AND ANY AFFECTED PARTIES OR OTHER ENTITY THE CITY OR DESIGN ENGINEER DEEM NECESSARY.
8. THE CONTRACTOR AND THE DESIGN ENGINEER SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS. CHANGES TO APPROVED, CONSTRUCTION-STAMPED PLANS WILL REQUIRE A REVISION FROM THE DESIGN ENGINEER THAT IS APPROVED BY THE CITY PRIOR TO FIELD USE. THE DESIGN ENGINEER SHALL FURNISH THE CITY OF ROUND ROCK ACCURATE "AS-BUILT" RECORD DRAWINGS FOLLOWING COMPLETION OF ALL CONSTRUCTION. THESE "AS- BUILT" RECORD DRAWINGS SHALL MEET WITH THE SATISFACTION OF THE PLANNING AND DEVELOPMENT SERVICES DEPARTMENT PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
9. THE CITY OF ROUND ROCK SHALL NOT BE PETITIONED FOR ACCEPTANCE UNTIL ALL NECESSARY EASEMENT DOCUMENTS HAVE BEEN SIGNED AND RECORDED.
10. WHENEVER CONSTRUCTION ACTIVITIES ARE TAKING PLACE WITHIN AN EXISTING EASEMENT, THE CONTRACTOR SHALL CONFINE THEIR WORK TO WITHIN THE BOUNDS OF SAID EASEMENT. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TRASH AND DEBRIS WITHIN ANY PERMANENT OR TEMPORARY EASEMENTS. CLEAN-UP SHALL BE TO THE SATISFACTION OF THE CITY OF ROUND ROCK CIVIL INSPECTOR AND/OR THE CITY ENGINEER.
11. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL APPLY FOR AND SECURE ALL PROPER PERMITS FROM THE APPROPRIATE AUTHORITIES.
12. AVAILABLE PERMANENT BENCHMARKS (CITY OF ROUND ROCK DATUM) WITH VERTICAL DATUM INFORMATION THAT MAY BE UTILIZED FOR THE CONSTRUCTION OF THIS PROJECT AND ARE DESCRIBED AS FOLLOWS:

BENCHMARK 100: PK NAIL SET IN ASPHALT AT SOUTHWEST PORTION OF CUL-DE-SAC OF INDUSTRIAL BOULEVARD, IMMEDIATELY NORTH OF CENTERLINE OF CONCRETE DRAINAGE CHANNEL.
ELEVATION=746.73'
SURFACE COORDINATES: N=10163636.94 E=3127930.32

BENCHMARK 2800: PK NAIL SET ON TOL OF CURB ON THE WEST SIDE OF INDUSTRIAL BOULEVARD AT THE START OF CUL-DE-SAC, APPROXIMATELY 100' NORTH OF CONCRETE DRAINAGE CHANNEL LOCATE AT SOUTHWEST PORTION OF CUL-DE-SAC.
ELEVATION=748.10'
SURFACE COORDINATES: N=10163730.73 E=3127895.64

VERTICAL DATUM: NAVD-88 (GEOID 2012A) PER LEICA VRS (SMARTNET) GPS NETWORK, ESTABLISHED ON SITE FEBRUARY 7, 2024. HELD BENCHMARK & CONTROL POINT #100 (ELEVATION=746.73'). ALL OTHER CONTROL POINT ELEVATIONS ARE BASED ON CONVENTIONAL LEVELING METHODS.

STREET AND DRAINAGE NOTES

1. ALL TESTING SHALL BE DONE BY AN INDEPENDENT LABORATORY AT THE OWNER'S EXPENSE. ANY RETESTING SHALL BE PAID FOR BY THE CONTRACTOR. A CITY INSPECTOR SHALL BE PRESENT DURING ALL TESTS. TESTING SHALL BE COORDINATED WITH THE CITY INSPECTOR, AND THEY SHALL BE GIVEN A MINIMUM 24-HOUR NOTICE PRIOR TO ANY TESTING.
2. PUBLIC ROADWAYS CONSTRUCTED AS PART OF ANY DEVELOPMENT PERMIT SHALL BE FREE FROM DEFECTS, PATCHES, OR REPAIRS PRIOR TO ACCEPTANCE BY THE CITY OF ROUND ROCK. ROADWAYS SHALL HAVE A CLEAR SURFACE FREE FROM ANY GOUGES, MARRING, OR CRACKING TO BE CONSIDERED SUITABLE TO THE CITY OF ROUND ROCK TRANSPORTATION DEPT. NO NEW ROADWAYS SHALL BE ACCEPTED UNTIL ALL CONSTRUCTION TRAFFIC RELATED TO THIS OR ANY ASSOCIATED PERMIT HAS CEASED, AND THE ROADWAY IS OPEN TO AND EXCLUSIVELY USED BY THE GENERAL PUBLIC.
3. BACKFILL BEHIND THE CURB SHALL BE COMPACTED TO OBTAIN A MINIMUM OF 95% MAXIMUM DENSITY TO WITHIN 3" OF TOP OF CURB. MATERIAL USED SHALL BE PRIMARILY GRANULAR WITH NO ROCKS LARGER THAN 6" IN THE GREATEST DIMENSION. THE REMAINING 3" SHALL BE CLEAN TOPSOIL FREE FROM ALL CLUMPS AND SUITABLE FOR SUSTAINING PLANT LIFE.
4. THE DEPTH OF COVER FOR ALL CROSSINGS UNDER PAVEMENT INCLUDING GAS, ELECTRIC, TELEPHONE, CABLE TV, WATER SERVICES, ETC. SHALL BE A MINIMUM OF 30" BELOW SUBGRADE.
5. STREET RIGHTS-OF-WAY SHALL BE GRADED AT A SLOPE OF 1/4" PER FOOT TOWARD THE CURB UNLESS OTHERWISE INDICATED. HOWEVER, IN NO CASE SHALL THE WIDTH OF RIGHT-OF-WAY AT 1/4" PER FOOT SLOPE BE LESS THAN 10 FEET UNLESS A SPECIFIC REQUEST FOR AN ALTERNATE GRADING SCHEME IS SUBMITTED TO AND APPROVED BY THE CITY OF ROUND ROCK PLANNING AND DEVELOPMENT SERVICES DEPARTMENT.
6. BARRICADES, BUILT TO CITY OF ROUND ROCK STANDARDS, SHALL BE CONSTRUCTED ON ALL DEAD-END STREETS AND, AS NECESSARY, DURING CONSTRUCTION TO MAINTAIN JOB AND PUBLIC SAFETY.
7. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE MINIMUM CLASS ILL. ALL PUBLIC RCP SHALL BE A MINIMUM OF 18-INCHES IN DIAMETER.
8. THE SUBGRADE MATERIAL FOR THE STREETS SHOWN HEREIN WAS TESTED BY _______(FIRM)_______ ON THIS DATE: ______(DATE)______ AND THE PAVING SECTIONS DESIGNED IN ACCORDANCE WITH THE CURRENT CITY OF ROUND ROCK DESIGN CRITERIA. THE PAVING SECTIONS ARE TO BE CONSTRUCTED AS FOLLOWS:

STREET NAME	STATIONING	FLEX. BASE THICKNESS	HMAC THICKNESS	LIME STAB. THICKNESS

THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE FOR COMPLIANCE WITH THE DESIGN ASSUMPTIONS MADE DURING PREPARATION OF THE ACCEPTED GEOTECHNICAL REPORT. ANY ADJUSTMENTS THAT ARE REQUIRED SHALL BE MADE THROUGH REVISION OF THE CONSTRUCTION PLANS AND ADDENDUM TO ANY ACCEPTED GEOTECHNICAL REPORT.

9. WHERE PLASTICITY INDEX (PI) IS OVER 20, SUBGRADES MUST BE STABILIZED UTILIZING A METHOD ACCEPTABLE TO THE PLANNING AND DEVELOPMENT SERVICES DEPARTMENT. THE GEOTECHNICAL ENGINEER SHALL RECOMMEND AN APPROPRIATE SUBGRADE STABILIZATION IF SULFATES ARE DETERMINED TO BE PRESENT. WHEN UTILIZING LIME FOR SOIL STABILIZATION, PLACEMENT SHALL BE IN THE FORM OF LIME SLURRY, NOT PELLETS.

10.

FIELD DENSITY CONTROL REQUIREMENTS		
SOIL DESCRIPTION	DENSITY, PERCENT	MOISTURE CONTENT
	TEX-115-E	
PI<15	>=98% Da*AND<=105% Da	N/A
15<=PI<=35	>=98% Da*AND<=102% Da	<=Wopt+3%
PI>35	>=98% Da*AND<=100% Da	<=Wopt+3%

TRENCH SAFETY NOTES

1. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, ALL TRENCHES OVER 5 FEET IN DEPTH, IN EITHER HARD AND COMPACT OR SOFT AND UNSTABLE SOIL, SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED. TRENCH SAFETY SYSTEMS TO BE UTILIZED FOR THIS PROJECT SHALL BE PROVIDED AS PART OF A PACKAGE REQUIRED PRIOR TO THE PRE-CONSTRUCTION MEETING AND ANY CONSTRUCTION ACTIVITIES.
2. IN ACCORDANCE WITH THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, WHEN PERSONS ARE IN TRENCHES 4 FEET DEEP OR MORE, ADEQUATE MEANS OF EXIT, SUCH AS A LADDER OR STEPS, MUST BE PROVIDED AND LOCATED IN SUCH A MANNER AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.
3. IF TRENCH SAFETY SYSTEM DETAILS WERE NOT PROVIDED IN THE PLANS BECAUSE TRENCHES WERE ANTICIPATED TO BE LESS THAN 5 FEET IN DEPTH BUT, DURING CONSTRUCTION, IT IS FOUND THAT TRENCHES ARE IN FACT 5 FEET OR MORE IN DEPTH (OR) TRENCHES LESS THAN 5 FEET IN DEPTH ARE IN AN AREA WHERE HAZARDOUS GROUND MOVEMENT IS EXPECTED, ALL CONSTRUCTION SHALL CEASE, THE TRENCHED AREA SHALL BE BARRICADED AND THE DESIGN ENGINEER NOTIFIED IMMEDIATELY. CONSTRUCTION SHALL NOT RESUME UNTIL APPROPRIATE TRENCH SAFETY SYSTEM DETAILS, AS DESIGNED BY A PROFESSIONAL ENGINEER, ARE SUBMITTED TO THE CITY OF ROUND ROCK FOR REVIEW AND APPROVAL.

WATER AND WASTEWATER NOTES

1. PIPE MATERIAL FOR WATER MAINS SHALL BE PVC (AWWA C-900, MIN. CLASS 200), OR DUCTILE IRON (AWWA
C- 100, MIN. CLASS 200). WATER SERVICES (2" OR LESS) SHALL BE POLYETHYLENE TUBING (BLACK, 200 PSI, DR 9).
2. PIPE MATERIAL FOR PRESSURE WASTEWATER MAINS SHALL BE PVC (AWWA C-900, MIN. CLASS 150), SDR26 HIGHER PRESSURE RATED (160 PSI), OR DUCTILE IRON (AWWA C-100, MIN. CLASS 200). PIPE MATERIAL FOR GRAVITY WASTEWATER MAINS SHALL BE SDR26 PVC, PVC (ASTM D2241 OR D3034, MAX. DR-26), DUCTILE IRON (AWWA C-100, MIN. CLASS 200).
3. UNLESS OTHERWISE ACCEPTED BY THE PLANNING AND DEVELOPMENT SERVICES DEPARTMENT, MINIMUM DEPTH OF COVER FOR ALL LINES OUTSIDE OF THE PAVED AREAS SHALL BE 42" BELOW FINISHED GRADE AND 30"BELOW SUBGRADE FOR ALL LINES LOCATED IN PAVED AREAS.
4. ALL FIRE HYDRANT AND SPRINKLER LEADS SHALL BE DUCTILE IRON PIPE (AWWA C-100, MIN. CLASS 200).
5. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH A MINIMUM OF 8-MIL POLYETHYLENE AND SEALED WITH DUCT TAPE OR EQUAL ACCEPTED BY THE CITY OF ROUND ROCK CIVIL INSPECTOR.
6. THE CONTRACTOR SHALL CONTACT THE CITY OF ROUND ROCK INSPECTOR TO COORDINATE UTILITY TIE-INS AND NOTIFY THEM AT LEAST 48 HOURS PRIOR TO CONNECTING TO ANY EXISTING LINES.
7. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON RING AND COVER. ALL MANHOLES LOCATED OUTSIDE OF THE PAVEMENT SHALL HAVE BOLTED COVERS. CORE CONNECTIONS TO FIBERGLASS MANHOLES ARE PROHIBITED.
8. THE CONTRACTOR MUST OBTAIN A BULK WATER PERMIT OR PURCHASE AND INSTALL A WATER METER FOR ALL WATER USED DURING CONSTRUCTION. A COPY OF THIS PERMIT MUST ALWAYS BE POSSESSED BY ANY PARTIES WHO UTILIZE WATER. CONTACT WATER DISTRIBUTION AT (512) 801-4435 FOR ADDITIONAL INFORMATION.
9. LINE FLUSHING, OR ANY ACTIVITY USING A LARGE QUANTITY OF WATER, MUST BE SCHEDULED A MINIMUM (10) DAYS IN ADVANCE WITH THE CITY OF ROUND ROCK CIVIL INSPECTOR.
10. THE CONTRACTOR, AT HIS EXPENSE, SHALL PERFORM STERILIZATION OF ALL POTABLE WATER LINES CONSTRUCTED AND SHALL PROVIDE ALL EQUIPMENT (INCLUDING TEST GAUGES), SUPPLIES (INCLUDING CONCENTRATED CHLORINE DISINFECTING MATERIAL), AND NECESSARY LABOR REQUIRED FOR THE STERILIZATION PROCEDURE. THE STERILIZATION PROCEDURE SHALL BE MONITORED BY THE CITY OF ROUND ROCK CIVIL INSPECTOR. WATER SAMPLES WILL BE COLLECTED BY THE CITY OF ROUND ROCK TO VERIFY EACH TREATED LINE HAS ATTAINED AN INITIAL CHLORINE CONCENTRATION OF 50 PPM. WHERE MEANS OF FLUSHING IS NECESSARY, THE CONTRACTOR, AT HIS EXPENSE, SHALL PROVIDE FLUSHING DEVICES AND REMOVE SAID DEVICES PRIOR TO FINAL ACCEPTANCE BY THE CITY OF ROUND ROCK.
11. SAMPLING TAPS SHALL BE BROUGHT UP TO 3 FEET ABOVE GRADE AND SHALL BE EASILY ACCESSIBLE FOR CITY PERSONNEL. AT THE CONTRACTOR'S REQUEST, AND IN THEIR PRESENCE, SAMPLES FOR BACTERIOLOGICAL TESTING WILL BE COLLECTED BY THE CITY OF ROUND ROCK NOT LESS THAN (24) HOURS AFTER THE TREATED LINE HAS BEEN FLUSHED OF THE CONCENTRATED CHLORINE SOLUTION AND CHARGED WITH WATER APPROVED BY THE CITY. THE CONTRACTOR SHALL SUPPLY A CHECK OR MONEY ORDER, PAYABLE TO THE CITY OF ROUND ROCK, TO COVER THE FEE CHARGED FOR TESTING EACH WATER SAMPLE. FEE AMOUNTS MAY BE OBTAINED BY CONTACTING THE CITY OF ROUND ROCK ENVIRONMENTAL SERVICES LABORATORY AT (512) 218-5561 OR WATERLAB@ROUNDROCKTEXAS.GOV.
12. THE CONTRACTOR, AT THEIR EXPENSE, SHALL PERFORM QUALITY TESTING FOR ALL WASTEWATER PIPE INSTALLED AND PRESSURE PIPE HYDROSTATIC TESTING OF ALL WATERLINES CONSTRUCTED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT (INCLUDING PUMPS AND GAUGES), SUPPLIES, AND LABOR NECESSARY TO PERFORM THESE TESTS. QUALITY AND PRESSURE TESTING SHALL BE MONITORED BY THE CITY OF ROUND ROCK CIVIL INSPECTOR.
13. THE CONTRACTOR SHALL COORDINATE TESTING WITH THE CITY OF ROUND ROCK CIVIL INSPECTOR AND PROVIDE NO LESS THAN (24) HOURS OF NOTICE PRIOR TO PERFORMING STERILIZATION, QUALITY TESTING, OR PRESSURE TESTING.
14. THE CONTRACTOR (OR SUBCONTRACTORS) SHALL NOT OPEN OR CLOSE ANY VALVES UNLESS DIRECTED TO DO SO BY CITY OF ROUND ROCK PERSONNEL.
15. ALL VALVE BOXES AND COVERS SHALL BE CAST IRON.
16. ALL WATER SERVICE, WASTEWATER SERVICE AND VALVE LOCATIONS SHALL BE APPROPRIATELY MARKED AS FOLLOWS:
- WATER SERVICE -"W' ON TOP OF CURB (BLUE COLOR)
- WASTEWATER SERVICE -"S" ON TOP OF CURB
- VALVE -"V" ON FACE OF CURB
17. TOOLS FOR MARKING THE CURB SHALL BE PROVIDED BY THE CONTRACTOR. OTHER APPROPRIATE MEANS OF MARKING SERVICE AND VALVE LOCATIONS SHALL BE PROVIDED IN AREAS WITHOUT CURBS. SUCH MEANS OF MARKING SHALL BE AS SPECIFIED BY THE DESIGN ENGINEER AND APPROVED BY THE CITY OF ROUND ROCK.
18. CONTACT THE CITY OF ROUND ROCK UTILITIES AND ENVIRONMENTAL SERVICES (UES) DEPARTMENT FOR ASSISTANCE IN DETERMINING EXISTING WATER AND WASTEWATER LOCATIONS.
19. THE CITY OF ROUND ROCK FIRE DEPARTMENT SHALL BE NOTIFIED (48) HOURS PRIOR TO THE TESTING OF ANY BUILDING SPRINKLER PIPING SO THAT THEY MAY BE PRESENT TO MONITOR SUCH TESTING.
20. SAND, AS DESCRIBED IN SPECIFICATION ITEM 510 PIPE, SHALL NOT BE USED AS BEDDING FOR WATER AND WASTEWATER LINES. ACCEPTABLE BEDDING MATERIALS ARE PIPE BEDDING STONE, PEA GRAVEL AND, IN LIEU OF SAND, A NATURALLY OCCURRING OR MANUFACTURED STONE MATERIAL CONFORMING TO ASTM C33 FOR STONE QUALITY AND MEETING THE FOLLOWING GRADATION SPECIFICATION:

SIEVE SIZE	PERCENT RETAINED BY WEIGHT
1/2"	0
3/8"	0-2
#4	40-85
#10	95-100

21. THE CONTRACTOR IS HEREBY NOTIFIED THAT CONNECTING TO, SHUTTING DOWN, OR TERMINATING EXISTING UTILITY LINES MAY HAVE TO OCCUR AT OFF-PEAK HOURS. SUCH HOURS ARE USUALLY OUTSIDE NORMAL WORKING HOURS (7AM -4 PM) AND POSSIBLY BETWEEN 12 AM AND 6 AM.
22. ALL WASTEWATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) REGULATIONS, 30 TAC CHAPTER 213 AND 217, AS APPLICABLE. ALL WATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH TCEQ REGULATIONS, 30 TAC CHAPTER 290. WHENEVER TCEQ AND CITY OF ROUND ROCK SPECIFICATIONS CONFLICT, THE MORE STRINGENT SHALL APPLY.

TRAFFIC MARKING NOTES

1. ANY METHODS, STREET MARKINGS AND SIGNAGE NECESSARY FOR WARNING MOTORISTS, WARNING PEDESTRIANS, OR DIVERTING TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (TMUTCD), LATEST EDITION.
2. ALL PAVEMENT MARKINGS, MARKERS, PAINT, TRAFFIC BUTTONS, TRAFFIC CONTROLS, AND SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES AND, THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITIONS.

EROSION AND SEDIMENTATION CONTROL NOTES

1. EROSION CONTROL MEASURES, SITE WORK, AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF ROUND ROCK DESIGN AND CONSTRUCTION STANDARDS (DACS) AND CODE OF ORDINANCES.
2. ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS, GRASS MIXTURES, OR GROUND COVER THAT IS SUITABLE TO THE AREA AND THE SEASON IN WHICH THEY ARE APPLIED.
3. SILT FENCES, ROCK BERMS, SEDIMENTATION BASINS, AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. INSTALLATION AND CONDITION SHALL BE REGULARLY INSPECTED BY THE CITY OF ROUND ROCK FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CITY ENGINEER, THEY ARE WARRANTED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL REVEGETATION HAS BEEN ESTABLISHED AND APPROVAL RECEIVED FROM THE CIVIL INSPECTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE ALL ONCE APPROVED TO DO SO BY THE CIVIL INSPECTOR.
5. ALL MUD, DIRT, ROCKS, DEBRIS, ETC., SPILLED, TRACKED, OR OTHERWISE DEPOSITED ON EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER POLLUTION ABATEMENT PLAN GENERAL CONSTRUCTION NOTES

TCEQ-0592 (Rev. July 15, 2015)

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
   - THE NAME OF THE APPROVED PROJECT;
   - THE ACTIVITY START DATE; AND
   - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.

2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.

3. IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SINK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE APPROPRIATE PROTECTIVE MEASURES IN ORDER TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.

4. NO TEMPORARY OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.

PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.

5. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.

6. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.

7. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.

8. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.

9. IF PORTIONS OF THE SITE WILL HAVE A TEMPORARY OR PERMANENT CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.

10. THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
   - 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.

12. THE HOLDER OF ANY APPROVED EDWARD AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:

   A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;

   B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;

   C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

Austin Regional Office
12100 Park 35 Circle, Building A
Austin, Texas 78753-1808
Phone(512) 339-2929
Fax (512) 339-3795

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

THERE IS NO PUBLIC INFRASTRUCTURE

AMC DESIGN GROUP
ENGINEERING AND CONSTRUCTION CONSULTANTS
P.O. BOX 303086
AUSTIN, TEXAS 78703
512-385-2911
TEXAS REGISTERED ENGINEERING FIRM F-1708

STATE OF TEXAS
CHRIS McCOMB
80442
LICENSED PROFESSIONAL ENGINEER
9/17/25

Thrower Design
P.O. BOX 41957 AUSTIN, TEXAS 78704 • (512) 476-4456
LAND PLANNERS

NO	DATE	DESCRIPTION

PRESIDIO CUSTOM METAL WORKS
SITE PLAN
1300-B W. INDUSTRIAL DRIVE
ROUND ROCK, TEXAS

CONSTRUCTION NOTES

SSP24-00009

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. THE ESC PLAN SHALL BE CONSULTED AND USED AS THE BASIS FOR A TPDES REQUIRED SWPPP. IF A SWPPP IS REQUIRED, IT SHALL BE AVAILABLE FOR REVIEW BY THE CITY INSPECTOR AT ALL TIMES DURING CONSTRUCTION, INCLUDING AT THE PRE-CONSTRUCTION MEETING. THE CHECKLIST BELOW CONTAINS THE BASIC ELEMENTS THAT SHALL BE REVIEWED FOR PERMIT APPROVAL.
3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF ROUND ROCK STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK.
5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY AUTHORIZED CITY STAFF. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
6. THE CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED INSPECTOR WITH EITHER A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), CERTIFIED EROSION, SEDIMENT AND STORMWATER- INSPECTOR (CESSWI) OR CERTIFIED INSPECTOR OF SEDIMENTATION AND EROSION CONTROLS (CISEC) CERTIFICATION TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.
7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS; ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY INSPECTOR FOR FURTHER INVESTIGATION.
9. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW.
   A. ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 601S.3(A)]. DO NOT ADD TOPSOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.
      - TOPSOIL SALVAGED FROM THE EXISTING SITE IS ENCOURAGED FOR USE, BUT IT SHOULD MEET THE STANDARDS SET FORTH IN 601S.
      - AN OWNER/ENGINEER MAY PROPOSE USE OF ONSITE SALVAGED TOPSOIL WHICH DOES NOT MEET THE CRITERIA OF STANDARD SPECIFICATION 601S BY PROVIDING A SOIL ANALYSIS AND A WRITTEN STATEMENT FROM A QUALIFIED PROFESSIONAL IN SOILS, LANDSCAPE ARCHITECTURE, OR AGRONOMY INDICATING THE ONSITE TOPSOIL WILL PROVIDE AN EQUIVALENT GROWTH MEDIA AND SPECIFYING WHAT, IF ANY, SOIL AMENDMENTS ARE REQUIRED.
      - SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ONSITE TOPSOIL WITH A DISC OR TILLER TO CREATE A WELL-BLENDED MATERIAL.

THE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS:

TEMPORARY VEGETATIVE STABILIZATION
1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH OR INCLUDE A COOL SEASON COVER CROP: WESTERN WHEATGRASS (*pascopyrum smithii*) AT 5.6 POUNDS PER ACRE, OATS (*avena sativa*) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRAIN (*secale cereale*) AT 45 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY SEED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT UTILIZE ANNUAL RYEGRASS (*lolium multiflorum*) OR PERENNIAL RYEGRASS (*lolium perenne*). COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE OR A NATIVE PLANT SEED MIX CONFORMING TO ITEMS 604S OR 609S.
   A. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST AND SHALL CONFORM TO ITEM NO. 606S, FERTILIZER. FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SLOW PLANT GROWTH OR DORMANCY. CHEMICAL FERTILIZER MAY NOT BE APPLIED IN THE CRITICAL WATER QUALITY ZONE.
   B. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW.
   C. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1½ INCHES HIGH WITH A MINIMUM OF 95% TOTAL COVERAGE SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR TEMPORARY STABILIZATION ARE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
   D. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, AND STANDARD SPECIFICATIONS 604S OR 609S.

Table 1: Hydromulching for Temporary Vegetative Stabilization

Material	Description	Longevity	Typical Applications	Application Rates
100% or any blend of wood, cellulose, straw and/or cotton plant material (except no mulch shall exceed 30% paper)	70% or greater Wood/Straw 30% or less paper or natural fibers	0-3 months	Moderate slopes: from flat to 3:1	1500 to 2000 lbs per acre

PERMANENT VEGETATIVE STABILIZATION
1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING IS CONSIDERED TO BE TEMPORARY STABILIZATION ONLY. IF COOL SEASON COVER CROPS EXIST WHERE PERMANENT VEGETATIVE STABILIZATION IS DESIRED, THE GRASSES SHALL BE MOWED TO A HEIGHT OF LESS THAN ONE-HALF (½) INCH AND THE AREA SHALL BE RE-SEEDED IN ACCORDANCE WITH TABLE 2 BELOW. ALTERNATIVELY, THE COOL SEASON COVER CROP CAN BE MIXED WITH BERMUDAGRASS OR NATIVE SEED AND INSTALLED TOGETHER, UNDERSTANDING THAT GERMINATION OF WARM-SEASON SEED TYPICALLY REQUIRES SOIL TEMPERATURES OF 60 TO 70 DEGREES.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE WITH A PURITY OF 95% AND A MINIMUM PURE LIVE SEED (PLS) OF 0.83. BERMUDA GRASS IS A WARM SEASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL. PERMANENT VEGETATIVE STABILIZATION CAN ALSO BE ACCOMPLISHED WITH A NATIVE PLANT SEED MIX CONFORMING TO ITEMS 604S OR 609S.
   A. FERTILIZER FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST. SEE ITEM 606S, FERTILIZER. APPLICATIONS OF FERTILIZER (AND PESTICIDE) ON CITY-OWNED AND MANAGED PROPERTY REQUIRES THE YEARLY SUBMITTAL OF A PESTICIDE AND FERTILIZER APPLICATION RECORD, ALONG WITH A CURRENT COPY OF THE APPLICATOR'S LICENSE. FOR CURRENT COPY OF THE RECORD TEMPLATE CONTACT THE CITY OF AUSTIN'S IPM COORDINATOR.
   B. HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.
   C. WATER THE SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE GERMINATION AND A HEALTHY STAND OF PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SEEDBED IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH. ALL WATERING SHALL COMPLY WITH CITY CODE CHAPTER 6-4 (WATER CONSERVATION), AT RATES AND FREQUENCIES DETERMINED BY A LICENSED IRRIGATOR OR OTHER QUALIFIED PROFESSIONAL, AND AS ALLOWED BY THE AUSTIN WATER UTILITY AND CURRENT WATER RESTRICTIONS AND WATER CONSERVATION INITIATIVES.
   D. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1½ INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX, AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 16 SF.
   E. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, ITEMS 604S OR 609S.

Table 2: Hydromulching for Permanent Vegetative Stabilization

Material	Description	Longevity	Typical Applications	Application Rates
Bonded Fiber Matrix (BFM)	80% Organic defibrated fibers 10% Tackifier	6 months	On slopes up to 2:1 and erosive soil conditions	2500 to 4000 lbs per acre (see manufacturer's recommendations)
Fiber Reinforced Matrix (FRM)	65% Organic defibrated fibers 25% Reinforcing Fibers or less 10% Tackifier	up to 12 months	On slopes up to 1:1 and erosive soil conditions	3000 to 4500 lbs per acre (see manufacturer's recommendations)

STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING.
2. PROTECTIVE FENCES SHALL BE ERECTED ACCORDING TO CITY STANDARDS FOR TREE PROTECTION.
3. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
4. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILDUP WITHIN TREE DRIP LINES.
5. PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE), OR, FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
   a. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
   b. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ARBORIST;
   c. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
   d. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.
6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
   a. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEHIND THE AREA IN QUESTION;
   b. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZE ROOT DAMAGE);
   c. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 6 TO 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING;
   d. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE CITY INSPECTOR TO DISCUSS ALTERNATIVES.

   NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.
7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
8. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACK FILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACK FILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
10. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
11. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
12. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.).
13. ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AVAILABLE ON REQUEST FROM THE CITY ARBORIST).
14. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIP LINES, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS.
15. WHERE ANY OF THE ABOVE EXCEPTIONS TO FENCING AT A TREE'S DRIP LINE RESULT IN AREAS OF UNPROTECTED ROOT ZONES (UNDER DRIP LINES) WHERE HEAVY TRAFFIC IS EXPECTED, COVER THOSE AREAS WITH 4 INCHES OR ORGANIC MULCH OR GRAVEL TO MINIMIZE SOIL COMPACTION.
16. ALL GRADING WITHIN PROTECTED ROOT ZONE AREAS SHOULD BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
17. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHOULD BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHOULD BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
18. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE ROOT ZONE.

CURB INLET PROTECTION SPECS & CALCS

TEMPORARY SEDIMENT BARRIER SHALL BE MADE OF WOVEN OR NON-WOVEN MATERIAL.

DRAINAGE AREA – LESS THAN TWO (2) ACRES.

FABRIC WEIGHT:	ASTM D3776	GREATER THAN OR EQUAL TO 3.0 OZ/S.Y.
UV STABILITY	ASTM D4355	70% STRENGTH RETAINED MIN. AFTER 500 HOURS IN XENON ARC DEVICE
MULLEN BURST	ASTM D3786	GREATER THAN OR EQUAL TO 120 STRENGTH POUNDS PER SQUARE INCH
WATER FLOW	ASTM D4491	GREATER THAN OR EQUAL TO 375 RATE GALLONS/MIN./S.F.

THE MATERIAL SHALL HAVE A MAXIMUM EXPECTED USEFUL LIFE OF 18 MONTHS.

THE INLET PROTECTION DEVICE SHOULD BE CONSTRUCTED IN A MANNER THAT WILL FACILITATE CLEAN OUT AND DISPOSAL OF TRAPPED SEDIMENT WHILE MINIMIZING INTERFERENCE WITH CONSTRUCTION ACTIVITIES.

THEY SHOULD NOT ALLOW MORE THAN 4 INCHES OF STANDING WATER IN THE R.O.W. OR DAMAGE TO THE STRUCTURE OR ADJACENT AREAS.

THE FABRIC SHOULD COMPLETELY COVER THE OPENING OF THE INLET AND THE DEVICE SHALL NOT HAVE PROTRUDING PARTS THAT COULD BE A TRAFFIC OR PEDESTRIAN HAZARD. OVERLAP FABRIC A MINIMUM OF 3 INCHES.

THE INLET DEVICE SHALL BE ATTACHED IN A WAY THAT THEY CAN EASILY BE REMOVED AND ARE NOT SECURED OR ATTACHED BY THE USE OF SAND BAGS.

ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 2 INCHES OR ONE-THIRD THE HEIGHT OF THE INLET THROAT, AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.

APPROVED INLET PROTECTION SHALL BE GEOCURVE, OR APPROVED EQUAL. SEE DETAIL, THIS SHEET.

GENERAL SEQUENCE OF CONSTRUCTION

1. THE CONTRACTOR SHALL GENERALLY CONFORM TO THIS SEQUENCE OF CONSTRUCTION.
2. TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED PLAN AND IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION, INITIATE TREE MITIGATION MEASURES AND CONDUCT "PRE – CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE).
3. COORDINATE WITH ALL LAND OWNERS REGARDING ACCESS. INSTALL FENCING AND GATES AS NEEDED FOR SECURE CONSTRUCTION ACCESS.
4. PREPARE A SECURE STAGING AREA AS SHOWN ON THE EROSION CONTROL PLAN. STAGING AREA SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT.
5. THE CONTRACTOR SHALL CONTACT THE CITY 72 HOURS PRIOR TO THE SCHEDULED DATE OF THE REQUIRED ON-SITE PRECONSTRUCTION MEETING.
6. CONTACT ALL REQUIRED ENTITIES, INCLUDING THE CITY OF ROUND ROCK, ONCOR, ATMOS, MANVILLE WSC AND OTHERS DISCUSSED IN THE PRECONSTRUCTION MEETING PRIOR TO CONSTRUCTION.
7. THE GENERAL CONTRACTOR WILL FOLLOW THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.
8. BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
9. CONSTRUCT PHASE 1 ACTIVITIES.
10. COMPLETE CONSTRUCTION AND COMPLETE REVEGETATION OF THE SITE. REMOVE TEMPORARY TRAFFIC CONTROLS AS NEEDED.
11. RESTORE DISTURBED GROUND TO EXISTING ELEVATIONS AND REVEGETATE AS SHOWN ON THE PLANS.
12. CONSTRUCT PHASE 2 ACTIVITIES.
10. COMPLETE CONSTRUCTION AND COMPLETE REVEGETATION OF THE SITE. REMOVE TEMPORARY TRAFFIC CONTROLS AS NEEDED.
11. 11. RESTORE DISTURBED GROUND TO EXISTING ELEVATIONS AND REVEGETATE AS SHOWN ON THE PLANS.
12. REPLACE FENCES AND GATES TO ORIGINAL LOCATIONS THAT WERE REMOVED DURING CONSTRUCTION.
13. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE CITY INSPECTOR, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND COMPLETE ANY NECESSARY FINAL REVEGETATION RESULTING FROM REMOVAL OF THE CONTROLS.

MULCH SOCK SPECIFICATIONS

APPLICATION

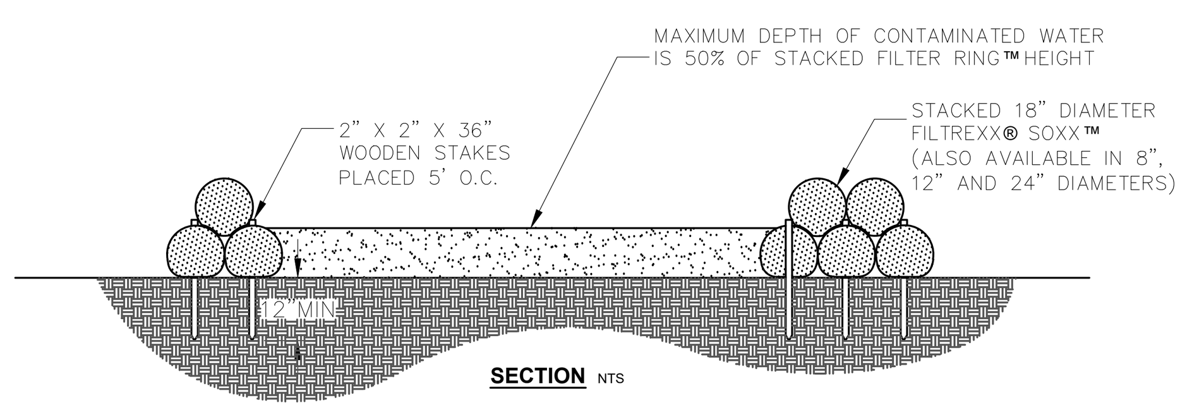
FILTREXX SILTSOXX (OR APPROVED EQUAL) ARE TO BE INSTALLED DOWN SLOPE OF ANY DISTURBED AREA REQUIRING EROSION AND SEDIMENT CONTROL AND FILTRATION OF SOLUBLE POLLUTANTS FROM RUNOFF. SILTSOXXTM ARE EFFECTIVE WHEN INSTALLED PERPENDICULAR TO SHEET FLOW. ACCEPTABLE APPLICATIONS INCLUDE:
- SITE PERIMETERS AND INTERMEDIATE SHEET FLOW TREATMENT APPLICATIONS.
- ABOVE AND BELOW DISTURBED AREAS SUBJECT TO SHEET RUNOFF, INTERRILL AND RILL EROSION.
- ABOVE AND BELOW EXPOSED AND ERODABLE SLOPES MEETING THE SLOPE CRITERIA BELOW.
- ON COMPACTED SOILS WHERE TRENCHING OF SILT FENCE IS DIFFICULT OR IMPOSSIBLE.
- AROUND SENSITIVE TREES WHERE TRENCHING OF SILT FENCE IS NOT BENEFICIAL FOR TREE SURVIVAL OR MAY UNNECESSARILY DISTURB ESTABLISHED VEGETATION
- ON PAVED SURFACES WHERE TRENCHING OF SILT FENCE IS IMPOSSIBLE.

INSTALLATION
1. SILTSOXXTM USED FOR PERIMETER CONTROL OF SEDIMENT AND SOLUBLE POLLUTANTS IN STORM RUNOFF SHALL MEET FILTREXX SOXXTM MATERIAL SPECIFICATIONS AND USE CERTIFIED FILTREXX FILTERMEDIATM..
2. FILTERRINGSTM USED FOR SOLIDS SEPARATION AND FILTRATION OF SOLUBLE POLLUTANTS FROM CONTAMINATED WATER SUCH AS CONCRETE WASH OUTS SHALL MEET FILTREXX FILTERSOXXTM MATERIAL SPECIFICATIONS AND USE CERTIFIED FILTREXX FILTERMEDIATM.
3. CONTRACTOR IS REQUIRED TO BE FILTREXX CERTIFIEDTM AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-2607 OR VISIT WEBSITE AT WWW.FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION (CURRENT LISTING CAN BE FOUND AT WWW.FILTREXX.COM). LOOK FOR THE FILTREXX CERTIFIEDTM SEAL.
4. SILTSOXXTM AND FILTERRINGS WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED BY THE ENGINEER.

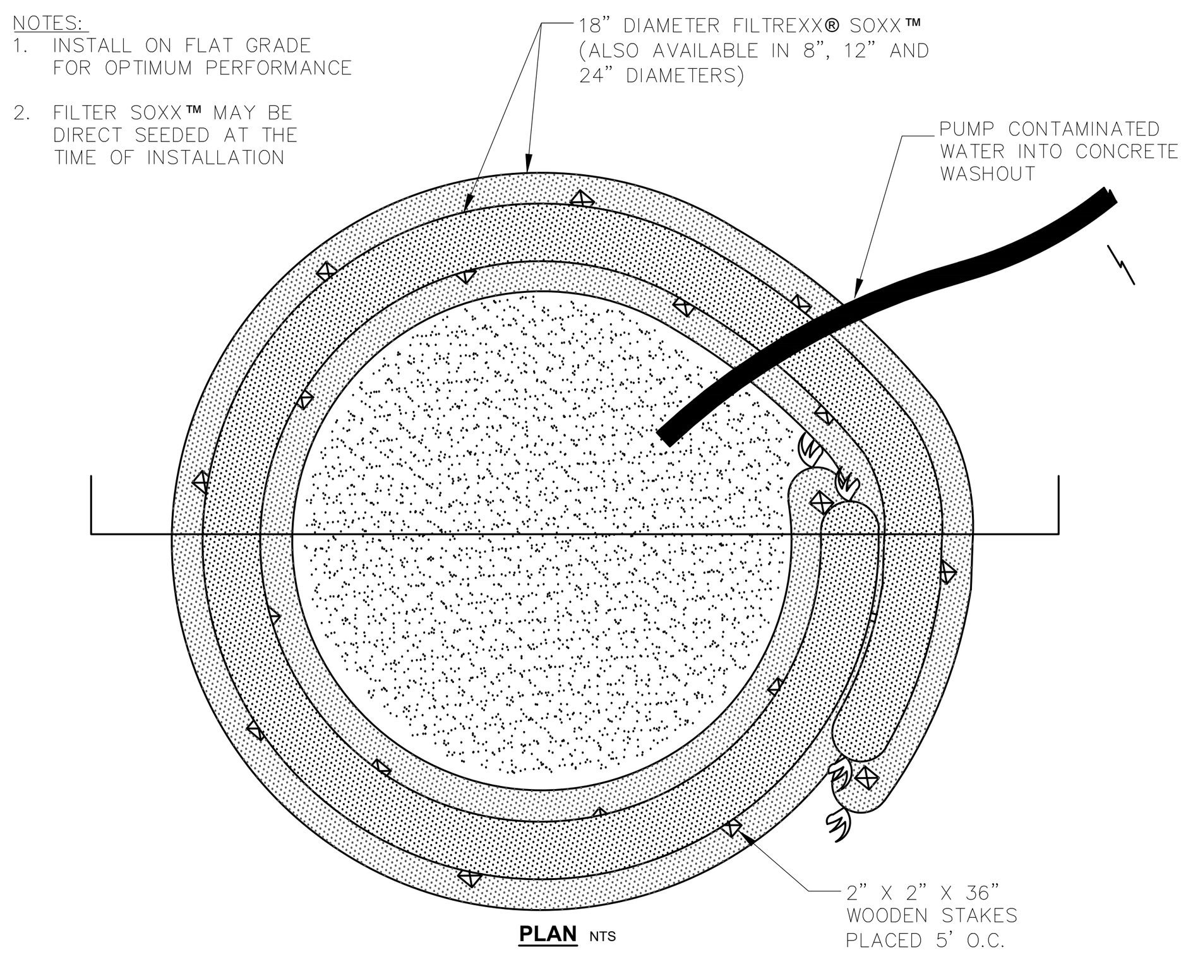
1. SILTSOXXTM SHOULD BE INSTALLED PARALLEL TO THE BASE OF THE SLOPE OR OTHER DISTURBED AREA. IN EXTREME CONDITIONS (I.E., 2:1 SLOPES), A SECOND SILTSOXXTM SHALL BE CONSTRUCTED AT THE TOP OF THE SLOPE.
2. STAKES SHALL BE INSTALLED THROUGH THE MIDDLE OF THE SILTSOXXTM AND FILTERRING ON 2 FT CENTERS AS PER THE SKETCH PROVIDED BELOW, USING #3 REBAR STAKES, OR 2 IN BY 2 IN BY 4 FT WOODEN STAKES. IN THE EVENT STAKING IS NOT POSSIBLE, I.E., WHEN SILTSOXXTM ARE USED ON PAVEMENT, HEAVY CONCRETE BLOCKS SHALL BE USED BEHIND THE SILTSOXXTM TO HELP STABILIZE DURING RAINFALL/RUNOFF EVENTS.
3. STAKING DEPTH FOR SAND, CLAY AND SILT LOAM SOILS SHALL BE 24 IN.
4. LOOSE COMPOST MAY BE BACKFILLED ALONG THE UPSLOPE SIDE OF THE SILTSOXXTM, FILLING THE SEAM BETWEEN THE SOIL SURFACE AND THE DEVICE, IMPROVING FILTRATION AND SEDIMENT RETENTION.
5. IF THE SILTSOXXTM IS TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, IT MAY BE SEEDED AT TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION. THE ENGINEER WILL SPECIFY SEED REQUIREMENTS.
6. FILTREXX SILTSOXXTM ARE NOT TO BE USED IN PERENNIAL, EPHEMERAL, OR INTERMITTENT STREAMS.

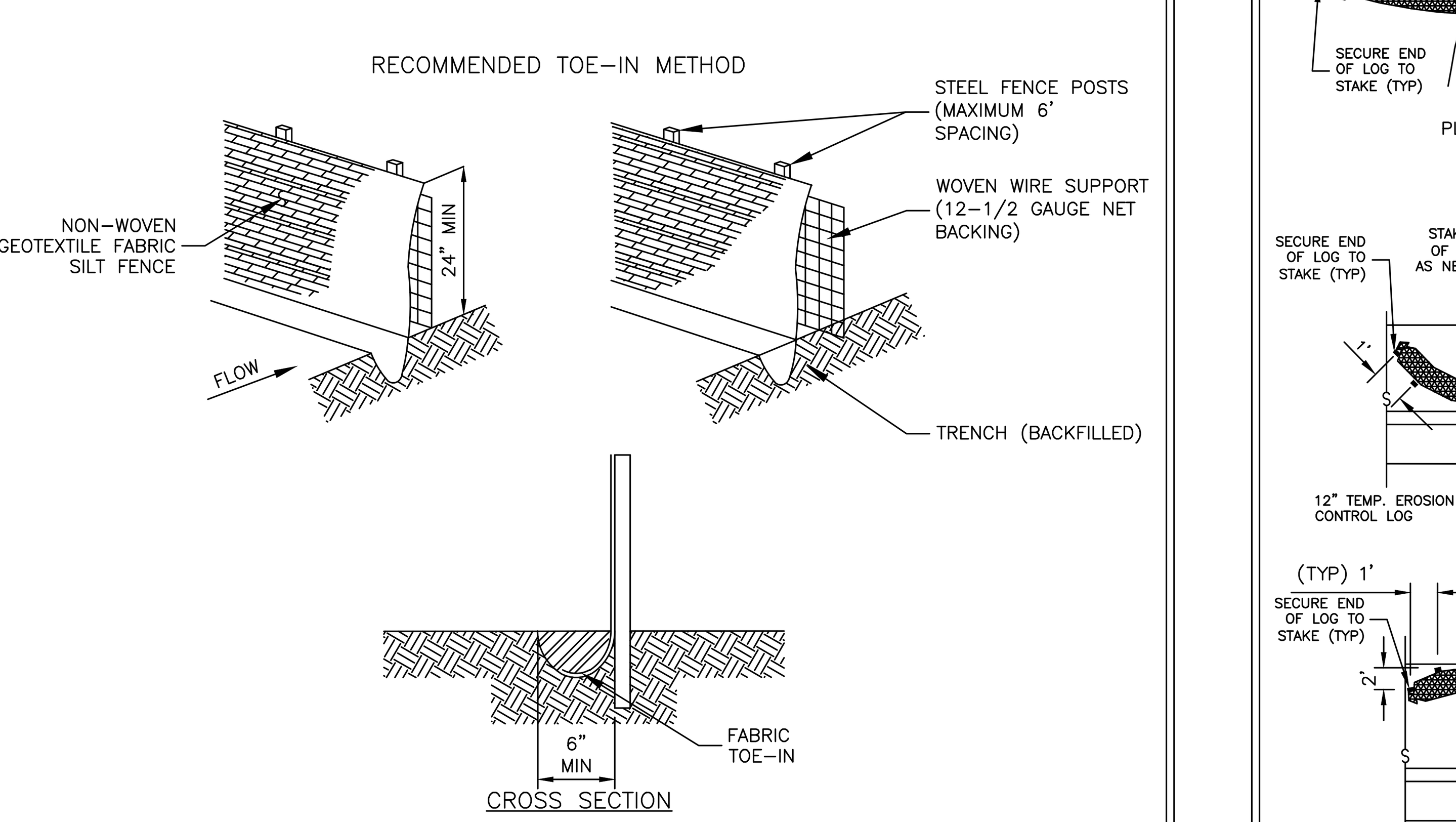
INSPECTION AND MAINTENANCE
1. ROUTINE INSPECTION SHOULD BE CONDUCTED WITHIN 24 HRS OF A RUNOFF EVENT OR AS DESIGNATED BY THE REGULATING AUTHORITY. SILTSOXXTM SHOULD BE REGULARLY INSPECTED AT LEAST WEEKLY TO MAKE SURE THEY MAINTAIN THEIR SHAPE AND ARE PRODUCING ADEQUATE HYDRAULIC FLOW-THROUGH. IF PONDING BECOMES EXCESSIVE, ADDITIONAL SILTSOXXTM MAY BE REQUIRED TO REDUCE EFFECTIVE SLOPE LENGTH OR SEDIMENT REMOVAL MAY BE NECESSARY. SILTSOXXTM SHALL BE INSPECTED UNTIL AREA ABOVE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED
2. THE CONTRACTOR SHALL MAINTAIN THE SILTSOXXTM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED. IF THE SILTSOXXTM HAS BEEN DAMAGED, IT SHALL BE REPAIRED, OR REPLACED IF BEYOND REPAIR.
3. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE SILTSOXXTM WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SILTSOXXTM, OR AS DIRECTED BY THE ENGINEER. ALTERNATIVELY, A NEW SILTSOXXTM CAN BE PLACED ON TOP OF AND SLIGHTLY BEHIND THE ORIGINAL ONE CREATING MORE SEDIMENT STORAGE CAPACITY WITHOUT SOIL DISTURBANCE.
4. SILTSOXXTM SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.
5. THE FILTERMEDIATM WILL BE DISPERSED ON SITE ONCE DISTURBED AREA HAS BEEN PERMANENTLY STABILIZED, CONSTRUCTION ACTIVITY HAS CEASED, OR AS DETERMINED BY THE ENGINEER.
6. FOR LONG-TERM SEDIMENT AND POLLUTION CONTROL APPLICATIONS, SILTSOXXTM CAN BE SEEDED AT THE TIME OF INSTALLATION TO CREATE A VEGETATIVE FILTERING SYSTEM FOR PROLONGED AND INCREASED FILTRATION OF SEDIMENT AND SOLUBLE POLLUTANTS (CONTAINED VEGETATIVE FILTER STRIP). THE APPROPRIATE SEED MIX SHALL BE DETERMINED BY THE ENGINEER.

FILTREXX® CONCRETE WASHOUT



NOTES:
1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
2. FILTER SOXX™ MAY BE DIRECT SEEDED AT THE TIME OF INSTALLATION





NOTES:
1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MIN. OF ONE (1') FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT) WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHALL BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS SECURELY FASTENED TO THE STEEL FENCE POSTS.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. SILT FENCE SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED

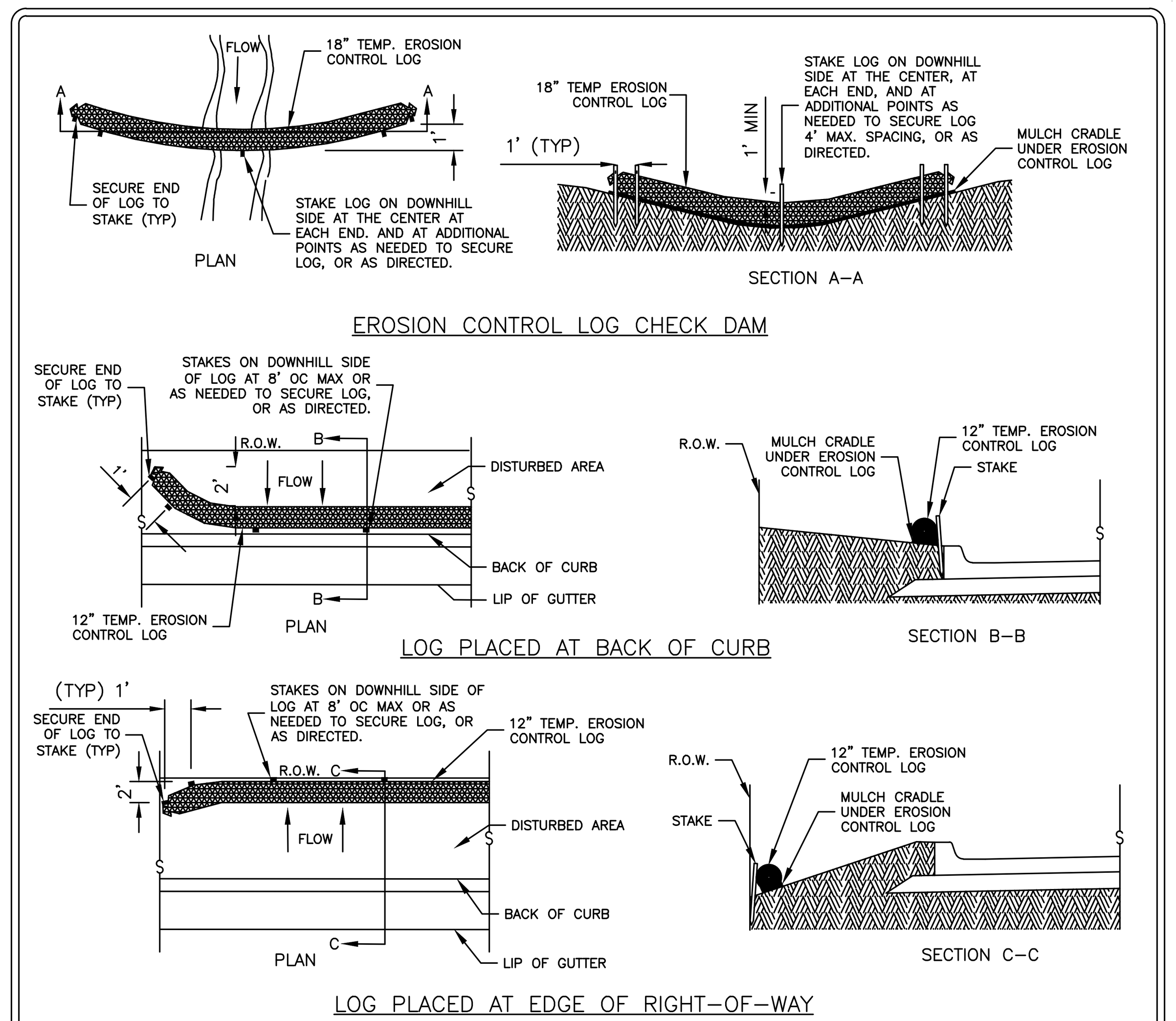
RECORD SIGNED COPY ON FILE AT PUBLIC WORKS
APPROVED
03-25-11
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

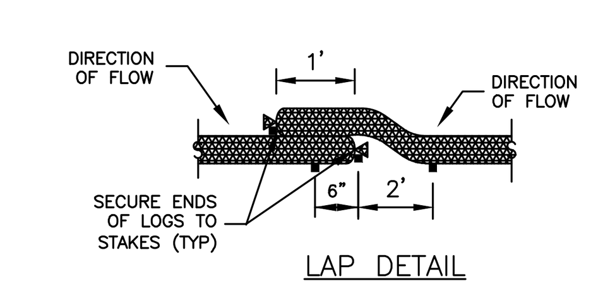
CITY OF ROUND ROCK

SILT FENCE DETAIL

DRAWING NO: EC-10

ROUND ROCK, TEXAS PURPOSE. PASSION. PROSPERITY.





NOTES:
1. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 6".
2. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF LOGS DURING RAINFALL EVENT FOR PROPER PERFORMANCE.
3. LOGS SHALL CONSIST OF 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE CONTAINMENT MESH STUFFED WITH FILTER MATERIAL.
4. STUFF LOGS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE DENSITY THAT WILL HOLD SHAPE WITHOUT EXCESSIVE DEFORMATION. FILTER MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR WOOD FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS,100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL, EXCLUDING STRAW AND HAY.
5. STAKES SHALL BE 2" X 2" WOOD, 4' LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE LOG, OR AS DIRECTED.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS
APPROVED
03-25-11
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

CITY OF ROUND ROCK

EROSION CONTROL LOG DETAIL

DRAWING NO: EC-17

ROUND ROCK, TEXAS PURPOSE. PASSION. PROSPERITY.

AMC DESIGN GROUP
ENGINEERING AND CONSTRUCTION CONSULTANTS
P.O. BOX 303086
AUSTIN, TEXAS 78703
512-385-2911
TEXAS REGISTERED ENGINEERING FIRM F-1708

STATE OF TEXAS
CHRIS McCOMB
80442
LICENSED PROFESSIONAL ENGINEER
9/17/25

Thrower Design
P.O. BOX 41957 AUSTIN, TEXAS 78704 • (512) 476-4456
LAND PLANNERS

NO	DATE	DESCRIPTION

PRESIDIO CUSTOM METAL WORKS

SITE PLAN
1300-B W. INDUSTRIAL DRIVE
ROUND ROCK, TEXAS

SWPPP NOTES

SSP24-00009

SCALE: 1" = 20'

SCALE IN FEET

20 10 0 20

LEGEND

SITE BOUNDARY	
LOC	LIMITS OF CONSTRUCTION
SF	SILT FENCE
X	TREE PROTECTION
RB	ROCK BERM
MB	ORGANIC FILTER BERM (MULCH SOCK)
TCM	TRACKOUT CONTROL MAT
	INLET PROTECTION
	HERITAGE TREE TO REMAIN W/ 1/2 C.R.Z.
	TREE TO REMAIN W/ 1/2 C.R.Z.
	TREE TO BE REMOVED
CW	CONCRETE WASHOUT

DATE OF TREE SURVEY: 3/15/24

TREE LIST

TAG#	SIZE	TYPE	COMMENT
2357	18"	SPANISH OAK	
2358	16"	LIVE OAK	
2637	12"	HACKBERRY	2 BOLES: 9",5"
2638	9"	HACKBERRY	
2639	8"	HACKBERRY	
2640	12"	HACKBERRY	
2641	14"	CHINA BERRY	2 BOLES: 10",7"
2642	17"	HACKBERRY	3 BOLES: 13",6",2"
2771	13"	CEDAR ELM	
2772	14"	HACKBERRY	
2773	17"	HACKBERRY	
2777	15"	HACKBERRY	
2883	16"	HACKBERRY	4 BOLES: 7",7",6",4"

NOTES

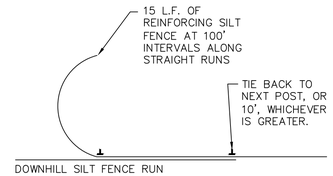
1. A PRECONSTRUCTION MEETING WITH THE CIVIL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.

   CIVIL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF ROUND ROCK RULES AND REGULATIONS.
2. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS DIRECTED BY THE CIVIL INSPECTOR.
3. THERE WILL BE NO ON-SITE FUEL STORAGE.
4. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP, OR REVEGETATION MATTING.
5. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY.
6. INTERNAL EROSION CONTROLS MAY BE SUBSTITUTED FOR MULCH SOCKS AS NECESSARY TO ALLOW FLEXIBILITY DURING CONSTRUCTION PHASES.
7. CONTRACTOR SHALL COORDINATE WORK AS NEEDED WITHIN TREE PROTECTION AREAS WITH THE CIVIL INSPECTOR.
8. TOTAL LINEAR FOOTAGE OF PROPOSED SILT FENCE: 450
9. CONTRACTOR RESPONSIBLE FOR REMOVAL OF SEDIMENT TRANSPORTED FROM THE LIMITS OF CONSTRUCTION TO OFFISTE DETENTION/WATER QUALITY POND(S).

CONSTRUCTION PHASING & DURATION

DUE TO THE MINIMAL SIZE OF THIS PROJECT, ALL AREAS SHALL BE IN ONE PHASE AND THE DURATION OF DISTURBANCE SHALL BE FOR THE ENTIRE PROJECT LENGTH.

J-HOOK HORIZONTAL REINFORCEMENT DETAILS FOR STRAIGHT SILT FENCE RUNS



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P.O. BOX 3030036
AUSTIN, TEXAS 78703
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PRESIDIO CUSTOM METAL WORKS
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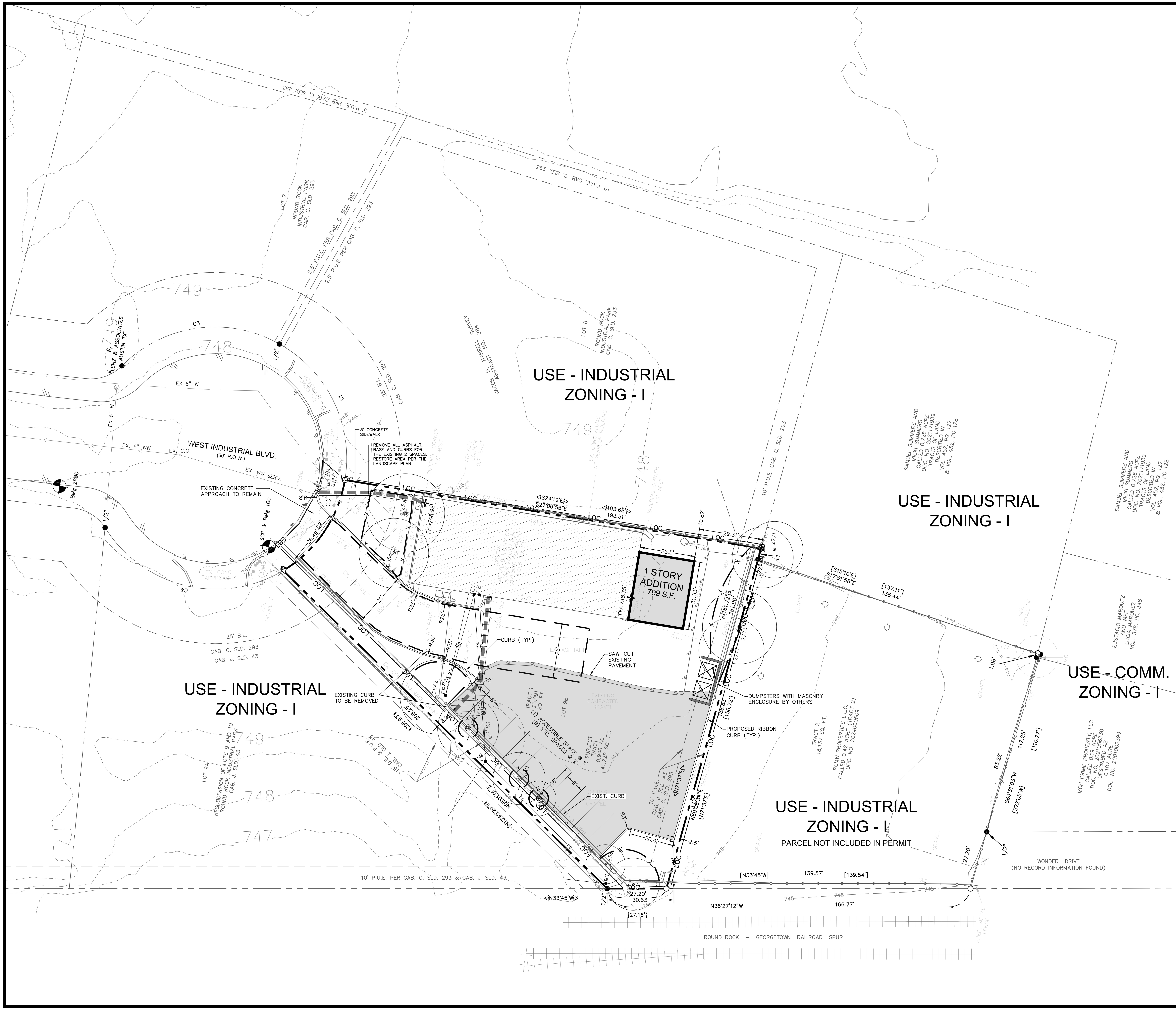
1300-B W. INDUSTRIAL DRIVE
ROUND ROCK, TEXAS

EROSION/ SEDIMENTATION CONTROL PLAN

6 OF 16

SSP24-00009



LEGEND

LOC	LIMITS OF CONSTRUCTION
— — —	FIRELANE STRIPING
▬ ▬ ▬	ACCESSIBLE ROUTE (SEE NOTES)
☒	DUMPSTER

SCALE: 1" = 20'
SCALE IN FEET

NOTES

SITE NOTES:

1. PARKING SURFACE TO BE ASPHALT. SEE CONSTRUCTION DETAILS.
2. FOR DRIVEWAY CONSTRUCTION: THE OWNER IS RESPONSIBLE FOR ALL COSTS FOR RELOCATION OF OR DAMAGE TO UTILITIES.
3. COORDINATE ALL CONSTRUCTION IN PRIVATE RIGHT-OF-WAY WITH OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
4. ALL DEMOLISHED MATERIALS ARE TO BE MOVED TO AN OFF-SITE LOCATION BY DEMOLITION CONTRACTOR.
5. THERE ARE NO OTHER STRUCTURES OR BUILDINGS WITHIN 50' OF THE LIMITS OF CONSTRUCTION OTHER THAN THOSE SHOWN.
6. ESTABLISH FIRE ZONES AS SHOWN ON SITE BY PAINTING GUTTER RED. STENCIL THE WORDS "FIRE ZONE/TOW-AWAY ZONE" IN WHITE LETTERS AT LEAST 4 INCHES HIGH AT 30' INTERVALS ALONG THE CURB OR PAVEMENT AS NOTED ON THE SITE PLAN PER CITY STANDARD DETAIL.

ACCESSIBILITY NOTES:

1. WHEN MORE THAN ONE BUILDING OR FACILITY IS LOCATED ON A SITE, AT LEAST ONE ACCESSIBLE ROUTE MUST BE PROVIDED BETWEEN ACCESSIBLE ELEMENTS, FACILITIES AND BUILDINGS.
2. SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP.
3. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50.
4. GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM AND SLIP RESISTANT.
5. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 IN.THE MAXIMUM HORIZONTAL PROJECTION IS 30 FEET FOR A RAMP WITH A SLOPE BETWEEN 1:12 AND 1:15, AND 40 FEET FOR A RAMP WITH A SLOPE BETWEEN 1:16 AND 1:20.
6. DETECTABLE WARNINGS FOR CURB RAMPS SHALL FOLLOW TDLR TECHNICAL MEMORANDUM TM 08-01 AND HAVE TEXTURES CONSISTING OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINCAL 0.2 IN. AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT ON DARK, OR DARK ON LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
7. ACCESSIBLE PARKING SPACES MUST BE LOCATED ON A SURFACE WITH SLOPE NOT EXCEEDING 1:50.
8. ACCESSIBLE PARKING SPACES MUST BE LOCATED ON THE SHORTEST POSSIBLE ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE BUILDING ENTRANCE. IN FACILITIES WITH MULTIPLE ACCESSIBLE BUILDING ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES MUST BE DISPERSED AND LOCATED NEAR THE ACCESSIBLE ENTRANCES.
9. EVERY ACCESSIBLE PARKING SPACE MUST BE IDENTIFIED BY A SIGN, CENTERED AT THE HEAD OF THE PARKING SPACE. THE SIGN MUST INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND STATE "RESERVED" OR EQUIVALENT LANGUAGE. CHARACTERS AND SYMBOLS ON SUCH SIGNS MUST BE LOCATED 60" MINIMUM ABOVE THE GROUND SO THAT THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE. SEE SIGN DETAIL ON CONSTRUCTION DETAILS SHEET.
10. AT EVERY PRIMARY PUBLIC ENTRANCE AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL, THERE MUST BE A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS MUST INDICATE THE DIRECTION TO AN ACCESSIBLE BUILDING ENTRANCE.
11. THE CONTRACTOR SHALL VERIFY ALL GRADES CONCERNING ACCESSIBLE ROUTES AND WALKWAYS PRIOR TO PLACEMENT OF CONCRETE. THE CONTRACTOR SHALL CONTACT THE ENGINEER 48 HOURS PRIOR TO CONCRETE PLACEMENT ON ALL ACCESSIBLE ROUTES AND WALKWAYS IN ORDER TO VERIFY FORM PLACEMENT, SLOPES AND GRADES.

SITE CALCS

LIMITS OF CONSTRUCTION =		**23,093**	**S.F.**	
		0.530	**ACRES**	
SITE AREA		**23,091**	**S.F.**	
		0.530	**ACRES**	
EXISTING IMPERVIOUS COVER				
BUILDINGS		**4,095**	**S.F.**	
PARKING, DRIVES & WALKS		**18,257**	**S.F.**	
		22,352	**S.F.**	**96.8%**
PROPOSED IMPERVIOUS COVER				
BUILDING		**4,894**	**S.F.**	
PARKING, DRIVES & WALKS		**16,753**		
		21,647	**S.F.**	**93.7%**
BUILDING SUMMARY	ALLOWABLE			
BUILDING SIZE (G.F.A. IN SF) =		**4,894**	**S.F.**	
BUILDING COVERAGE (SF) =		**4,910**	**S.F.**	
	50%	**21.3%**		
BUILDING F.A.R. =	.7:1	**0.21**		
BUILDING HEIGHT (FT)	15	**15**		
BUILDING STORIES	1	**1**		
PARKING SUMMARY				
	RATIO			
INDUSTRIAL	**1/500**	**10**	**SPACES**	
REQUIRED HC PARKING		**1**	**SPACE**	
PROVIDED PARKING				
STANDARD SPACES		**9**		
HANDICAP SPACES		**1**		
		10	**SPACES**	

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LAND PLANNERS
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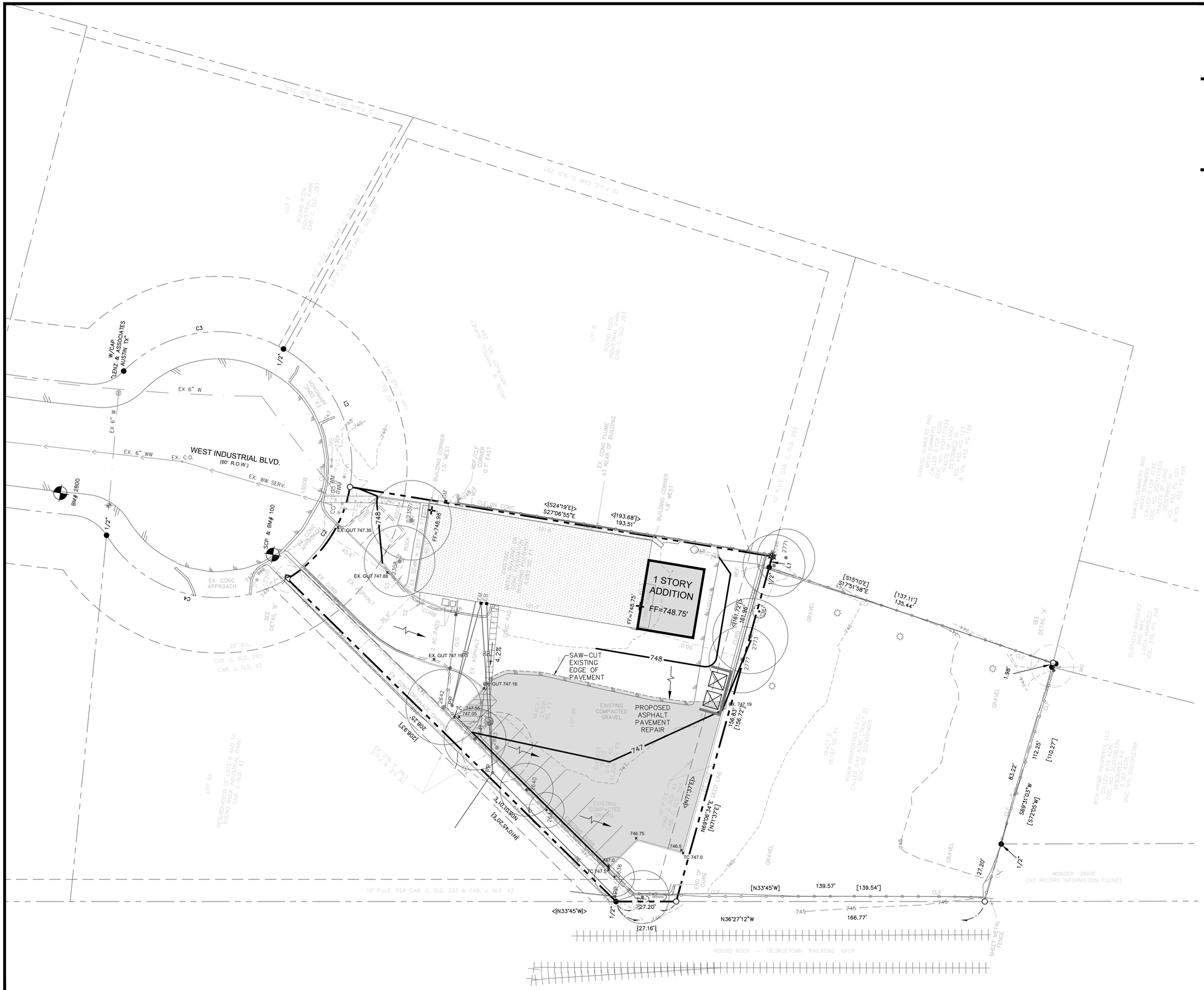
NO	DATE	DESCRIPTION

PRESIDIO CUSTOM METAL WORKS
SITE PLAN
1300-B W. INDUSTRIAL DRIVE
ROUND ROCK, TEXAS

SITE PLAN



SCALE: 1" = 30'

SCALE IN FEET

30 15 0 30

LEGEND

740.0	PROPOSED GRADING
x 740.0	SPOT ELEVATION
FF	FINISH FLOOR
	FLOW DIRECTION

NOTES

1. ALL EARTHWORK TO BE DONE IN ACCORDANCE WITH THE DIVISION 2 SPECIFICATIONS IN THE PROJECT MANUAL.
2. ANY UNSUITABLE SOIL TO BE REMOVED AND INSPECTED BY A QUALIFIED SOILS TECHNICIAN AND BACK FILLED TO THE REQUIRED ELEVATION WITH APPROVED FILL MATERIAL. ALL FILL TO BE PLACED IN LOOSE LIFTS NOT TO EXCEED EIGHT INCHES IN THICKNESS.
3. SUBMIT TO ENGINEER FOR APPROVAL THE FOLLOWING: SAMPLES OF ALL IMPORTED MATERIAL, SAMPLES OF ALL ON-SITE MATERIAL TO BE USED AS SELECT OR COMMON FILL. SUBMITTAL MUST INCLUDE CERTIFICATION FROM A QUALIFIED TESTING LABORATORY THAT IMPORTED MATERIALS CONFORM TO THE REQUIREMENTS AS DETERMINED BY THE GEOTECHNICAL REPORT AND THESE NOTES.
4. PRIOR TO BEGINNING ANY EXCAVATION OR FILL, STRIP THE TOPSOIL TO A DEPTH OF AT LEAST 6 INCHES OR TO A DEPTH SUFFICIENT TO REMOVE ALL ORGANIC OR EXPANSIVE SURFACE CLAYS AS NOTED IN THE GEOTECHNICAL REPORT. STOCKPILE THIS SOIL FOR FUTURE USE IN PREDETERMINED AREAS FOR USE IN LANDSCAPING AND NONSTRUCTURAL FILL.
5. ONCE FINAL SUBGRADE ELEVATIONS HAVE BEEN ACHIEVED, INCLUDING THE OVER-EXCAVATION REQUIRED FOR BUILDING PADS, THE EXPOSED SUBGRADE SHOULD BE CAREFULLY PROOFROLLED WITH A 20-TON PNEUMATIC ROLLER OR A FULLY LOADED DUMP TRUCK TO DETECT WEAK ZONES IN THE SUBGRADE. WEAK AREAS DETECTED AS WELL AS ZONES CONTAINING DEBRIS OR ORGANICS AND VOIDS RESULTING FROM REMOVAL OF TREE ROOTS, BOULDERS, ETC. SHOULD BE REMOVED AND REPLACED WITH SOILS EXHIBITING SIMILAR CLASSIFICATION, MOISTURE CONTENT AND DENSITY AS THE ADJACENT IN-SITU SOILS.
6. PROPER SITE DRAINAGE SHOULD BE MAINTAINED DURING CONSTRUCTION SO THAT PONDING OF SURFACE RUNOFF DOES NOT OCCUR AND CAUSES CONSTRUCTION DELAYS AND/OR INHIBIT SITE ACCESS.
7. FILL SHOULD NOT CONTAIN ROCK GREATER THAN THREE INCHES IN DIAMETER, MORE THAN 1% (DRY WEIGHT) OF ORGANIC MATTER OR DETRIMENTAL MATERIAL AND SHALL HAVE A P.I. OF LESS THAN 20. IF THIS SPECIFICATION CONFLICTS WITH THE GEOTECHNICAL REPORT, THE MORE STRINGENT REQUIREMENT APPLIES.
8. IMPORTED PAVING FILL SHOULD BE TYPE B SOIL (CL, SC, OR GC) PER TxDOT ITEM 132 OR CLASS B BORROW PER CITY OF AUSTIN ITEM 130S, WITH A MAXIMUM PI OF 30 AND NO ROCKS LARGER THAN 3 INCHES IN MAXIMUM DIMENSION. IMPORTED PAVING FILL SHOULD BE COMPACTED TO THE DENSITY AND MOISTURE REQUIREMENTS GIVEN IN THE GEOTECHNICAL REPORT.
9. EXCAVATED ON-SITE SOILS, IF FREE OF ORGANICS, DEBRIS AND ROCKS LARGER THAN 4 INCHES, MAY BE CONSIDERED FOR USE AS FILL IN PAVEMENT, UTILITY OR OTHER GENERAL EMBANKMENT AREAS. CLAYEY SOILS WITH PIs EXCEEDING OR EQUALLING 25 SHOULD BE MOISTURE CONDITIONED TO BETWEEN OPTIMUM AND +4 PERCENT OF OPTIMUM. CLAYEY SOILS WITH PIs LESS THAN 25 SHOULD BE MOISTURE CONDITIONED TO BETWEEN -3 AND +3 PERCENT OF OPTIMUM.
10. CONTRACTOR SHALL CONTROL DUST BY WATER OR OTHER MEANS ON AND NEAR THE LIMITS OF CONSTRUCTION IF DUST IS CAUSED BY CONTRACTOR'S OPERATIONS DURING PERFORMANCE OF THE WORK OR IF RESULTING FROM CONDITIONS IN WHICH THE CONTRACTOR LEAVES THE SITE.
11. CONTRACTOR SHALL CALL THE ONE CALL SYSTEM OR THE TEXAS EXCAVATION SAFETY SYSTEM, 1-800-DIG-TESS FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN UTILITY EASEMENTS OR HIGHWAY RIGHT OF WAY.
12. ALL DETAILS NOT SHOWN BUT ARE COVERED BY CITY STANDARD DETAILS AND SPECIFICATIONS SHALL CONFORM TO CITY OF ROUND ROCK STANDARDS. DIMENSIONS AND LIMITS OF THESE ITEMS ARE NOTED ON THE DRAWINGS.
13. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS THAT ARE REQUIRED TO COMPLY WITH THE CITY CODE REGARDING EXCAVATION IN PUBLIC RIGHT-OF-WAY.
14. ADEQUATE BARRIERS BETWEEN ALL VEHICULAR USE AREAS AND ADJACENT LANDSCAPE AREAS, SUCH AS 6" CONCRETE CURB AREA REQUIRED.
15. THIS GRADING PLAN WAS PREPARED PRIOR TO THE DEVELOPMENT OF THE FINAL ARCHITECTURAL AND STRUCTURAL DRAWINGS. THEREFORE, MINOR FIELD ADJUSTMENTS MAY BE NECESSARY BETWEEN THE PAVEMENT AND BUILDINGS IN ORDER TO COMPLY WITH TEXAS ACCESSIBILITY STANDARDS.
16. THE CONTRACTOR SHALL VERIFY ALL GRADES CONCERNING ACCESSIBLE ROUTES AND WALKWAYS PRIOR TO PLACEMENT OF CONCRETE. THE CONTRACTOR SHALL CONTACT THE ENGINEER 48 HOURS PRIOR TO CONCRETE PLACEMENT ON ALL ACCESSIBLE ROUTES AND WALKWAYS IN ORDER TO VERIFY FORM PLACEMENT, SLOPES AND GRADES.
17. CONTRACTOR SHALL, AT THEIR EXPENSE, RAISE EXISTING CASTINGS OF VALVES, MANHOLES, ELECTRIC VAULTS, AND OTHER STRUCTURES TO MEET THE PROPOSED GRADES.
18. FINISH GRADE INCLUDING FINISHED LANDSCAPE ELEVATION SHALL NOT BE CLOSER THAN 6" FROM FINISHED FLOOR.

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AUSTIN, TEXAS 78703
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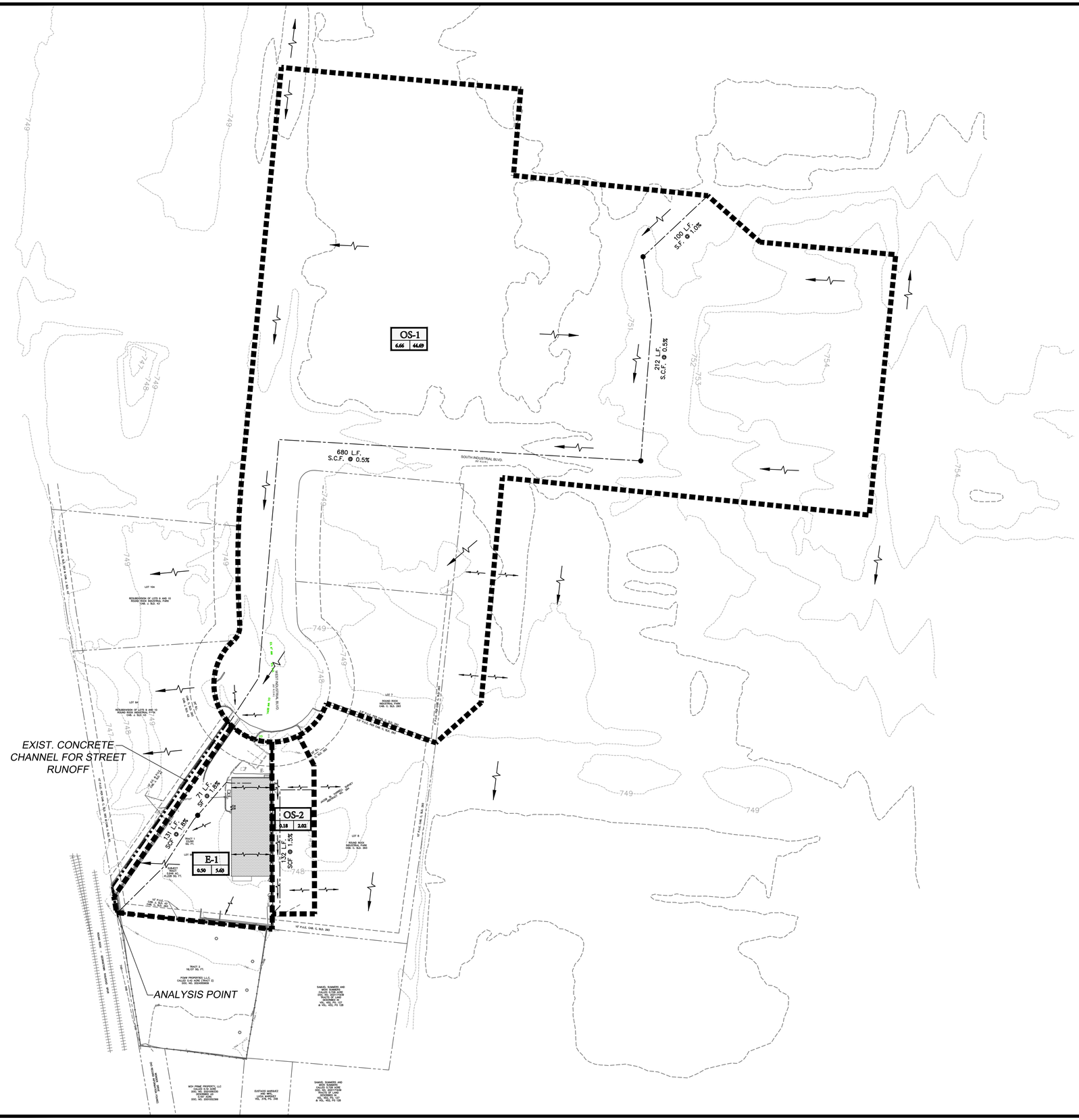
GRADING PLAN

8 OF 16

SSP24-00009



SCALE: 1" = 50'

SCALE IN FEET

50 25 0 50

LEGEND

A / 1.0 / 1.0	EXISTING / PROPOSED DRAINAGE SUB AREA AREA ACREAGE 100 YR. FLOW, C.F.S.
	SUB AREA BOUNDARY
	FLOW DIRECTION
CfB/GaB	SOIL CLASSIFICATION (CLASS D SOILS)
	Tc TRAVEL PATH
	EXISTING STORMSEWER
	PROPOSED STORMSEWER
SF	SHEET FLOW
SCF	SHALLOW CONCENTRATED FLOW

NOTES

1. THE SITE DRAINAGE ANALYSIS WAS DESIGNED USING HEC-HMS AND THE ATLAS 14 FREQUENCY STORM AS DEFINED IN THE DRAINAGE CRITERIA MANUAL FOR THE CITY OF ROUND ROCK.
2. REFER TO THE DRAINAGE CALCULATIONS AND THE ENGINEER'S REPORT FOR DETAILED INFORMATION ON ALL DRAINAGE CALCULATIONS.
3. AREAS SHOWN AS 'SUB AREAS' ARE ONLY USED FOR CALCULATING DRAINAGE CONDUITS AND INLETS. REFER TO DRAINAGE STUDY FOR IN DEPTH DRAINAGE INFORMATION.
4. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY OR FINAL INSPECTION RELEASE BY THE CITY, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DRAINAGE AND DETENTION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
5. CONTRACTOR SHALL CALL THE TEXAS EXCAVATION SAFETY SYSTEM 1-800-DIG-TESS FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN UTILITY EASEMENTS OR STREET RIGHT OF WAY.

EXISTING DRAINAGE CONDITIONS - ATLAS 14 RAINFALL DISTRIBUTION

DRAINAGE AREA	AREA ACRES	Tc HOUR	CURVE NO. (COMPOSITE)	Q2 CFS	Q10 CFS	Q25 CFS	Q50 CFS	Q100 CFS
E1	0.50	0.10	97.4	2.45	3.62	4.38	5.00	5.63
OS-1	6.66	0.46	95.3	18.84	28.38	34.55	39.53	44.69
OS-2	0.18	0.10	98.0	0.89	1.30	1.58	1.80	2.02

PROPOSED DRAINAGE CONDITIONS

DRAINAGE AREA	AREA ACRES	Tc HOUR	CURVE NO. (COMPOSITE)	Q2 CFS	Q10 CFS	Q25 CFS	Q50 CFS	Q100 CFS
P1	0.50	0.10	96.8	2.43	3.61	4.37	5.00	5.63
OS-1	6.66	0.46	95.3	18.84	28.38	34.55	39.53	44.69
OS-2	0.18	0.10	98.0	0.89	1.30	1.58	1.80	2.02

CITY OF ROUND ROCK ATLAS 14 FREQUENCY STORM
FOR THE BRUSHY CREEK WATERSHED

TIME OF CONCENTRATION

BASIN	SHEET FLOW - DCM Eq. 2-4 (OVERTON & MEADOWS, 1976) LENGTH (FT)	SLOPE (FT/FT)	2yr., 24 HR. RAINFALL DEPTH (IN.)	MANNING'S n VALUE	Tc (HR.)	SHALLOW CONCENTRATED FLOW - DCM Eq. 2-5&2-6 Tc= L/60*V LENGTH (FT)	SLOPE (FT/FT)	PAVED YES OR NO	VELOCITY (FPS)	Tc (HR.)	TOTALS Tc TOTAL (HR.)	(MIN.)
OS-1	100	0.010	3.97	0.24	0.28	212	0.005	N	1.14	0.05		
						680	0.005	Y	1.44	0.13		
				Subtotal	0.28				Subtotal	0.18	0.46	27.9
E-1	71	0.018	3.97	0.02	0.02	131	0.018	N	2.16	0.02		
				Subtotal	0.02				Subtotal	0.02	0.04	USE 0.1 AS MIN. VALUE 2.4
P-1	100	0.014	3.97	0.02	0.03	55	0.008	Y	1.82	0.01		
				Subtotal	0.03				Subtotal	0.01	0.04	USE 0.1 AS MIN. VALUE 2.5
OS-2	35	0.020	3.97	0.02	0.01	132	0.015	Y	2.49	0.01		
				Subtotal	0.01				Subtotal	0.01	0.03	USE 0.1 AS MIN. VALUE 1.6

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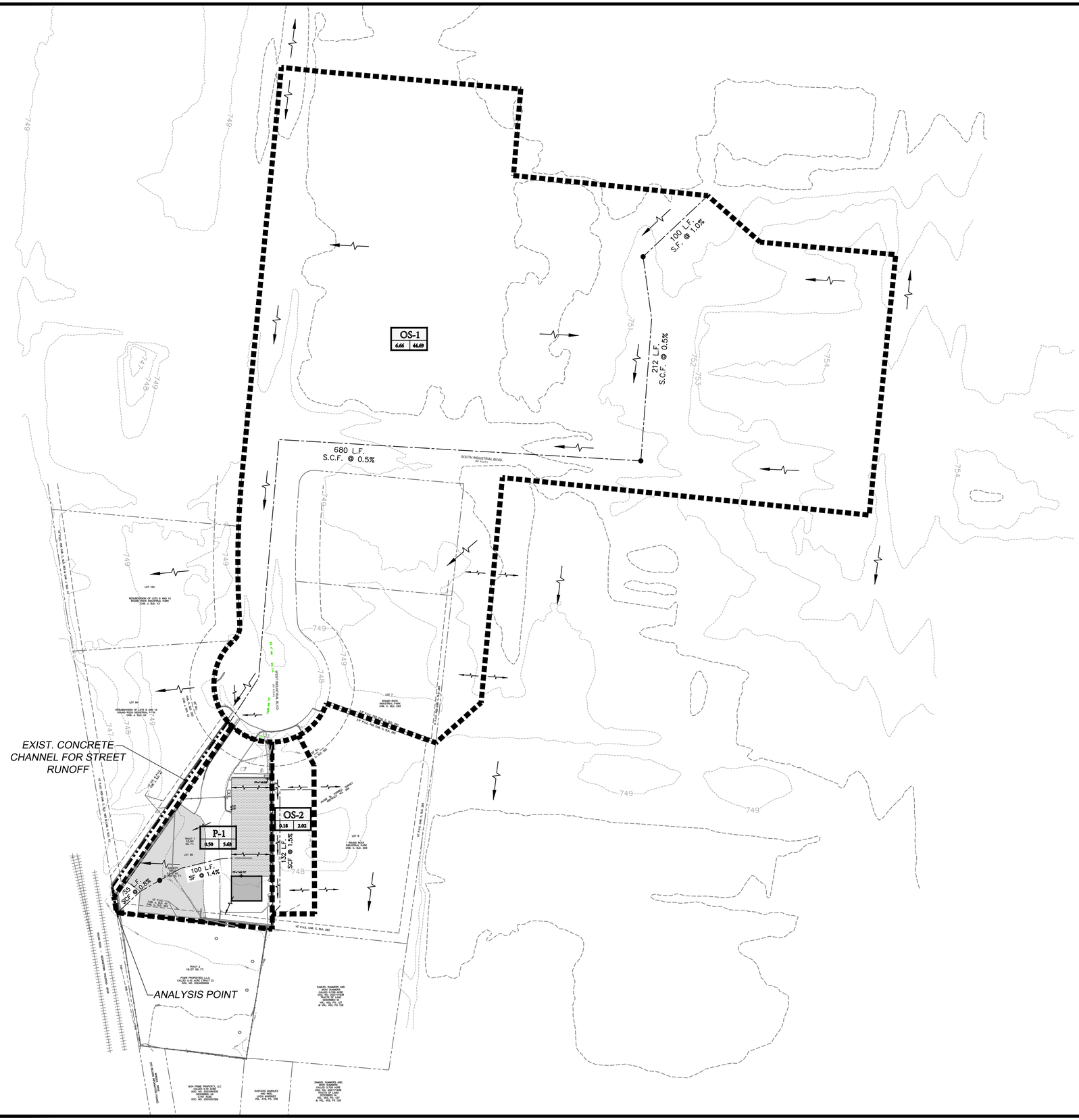
PRESIDIO CUSTOM METAL WORKS
SITE PLAN
1300-B W. INDUSTRIAL DRIVE
ROUND ROCK, TEXAS

EXISTING DRAINAGE OVERALL

9 OF 16

SSP24-00009



SCALE: 1" = 50'

SCALE IN FEET

50 25 0 50

LEGEND

A / 1.0 / 1.0	EXISTING / PROPOSED DRAINAGE SUB AREA AREA ACREAGE 100 YR. FLOW, C.F.S.
	SUB AREA BOUNDARY
	FLOW DIRECTION
LcB	SOIL CLASSIFICATION (CLASS C SOILS)
	Tc TRAVEL PATH
	EXISTING STORMSEWER
	PROPOSED STORMSEWER
SF	SHEET FLOW
SCF	SHALLOW CONCENTRATED FLOW

NOTES

1. THE SITE DRAINAGE ANALYSIS WAS DESIGNED USING HEC-HMS AND THE ATLAS 14 FREQUENCY STORM AS DEFINED IN THE DRAINAGE CRITERIA MANUAL FOR THE CITY OF ROUND ROCK.
2. REFER TO THE DRAINAGE CALCULATIONS AND THE ENGINEER'S REPORT FOR DETAILED INFORMATION ON ALL DRAINAGE CALCULATIONS.
3. AREAS SHOWN AS 'SUB AREAS' ARE ONLY USED FOR CALCULATING DRAINAGE CONDUITS AND INLETS. REFER TO DRAINAGE STUDY FOR IN DEPTH DRAINAGE INFORMATION.
4. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY OR FINAL INSPECTION RELEASE BY THE CITY, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DRAINAGE AND DETENTION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
5. CONTRACTOR SHALL CALL THE TEXAS EXCAVATION SAFETY SYSTEM 1-800-DIG-TESS FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN UTILITY EASEMENTS OR STREET RIGHT OF WAY.

EXISTING DRAINAGE CONDITIONS - ATLAS 14 RAINFALL DISTRIBUTION

DRAINAGE AREA	AREA ACRES	Tc HOUR	CURVE NO. (COMPOSITE)	Q2 CFS	Q10 CFS	Q25 CFS	Q50 CFS	Q100 CFS
E1	0.50	0.10	97.4	2.45	3.62	4.38	5.00	5.63
OS-1	6.66	0.46	95.3	18.84	28.38	34.55	39.53	44.69
OS-2	0.18	0.10	98.0	0.89	1.30	1.58	1.80	2.02

PROPOSED DRAINAGE CONDITIONS

DRAINAGE AREA	AREA ACRES	Tc HOUR	CURVE NO. (COMPOSITE)	Q2 CFS	Q10 CFS	Q25 CFS	Q50 CFS	Q100 CFS
P1	0.50	0.10	96.8	2.43	3.61	4.37	5.00	5.63
OS-1	6.66	0.46	95.3	18.84	28.38	34.55	39.53	44.69
OS-2	0.18	0.10	98.0	0.89	1.30	1.58	1.80	2.02

CITY OF ROUND ROCK ATLAS 14 FREQUENCY STORM
FOR THE BRUSHY CREEK WATERSHED

TIME OF CONCENTRATION

BASIN	SHEET FLOW - DCM Eq. 2-4 (OVERTON & MEADOWS, 1976) LENGTH (FT)	SLOPE (FT/FT)	2yr., 24 HR. RAINFALL DEPTH (IN.)	MANNING'S n VALUE	Tc (HR.)	SHALLOW CONCENTRATED FLOW - DCM Eq. 2-5&2-6 Tc= L/60*V LENGTH (FT)	SLOPE (FT/FT)	PAVED YES OR NO	VELOCITY (FPS)	Tc (HR.)	TOTALS Tc TOTAL (HR.)	(MIN.)
OS-1	100	0.010	3.97	0.24	0.28	212	0.005	N	1.14	0.05		
						680	0.005	Y	1.44	0.13		
				Subtotal	0.28				Subtotal	0.18	0.46	27.9
E-1	71	0.018	3.97	0.02	0.02	131	0.018	N	2.16	0.02		
				Subtotal	0.02				Subtotal	0.02	0.04	USE 0.1 AS MIN. VALUE 2.4
P-1	100	0.014	3.97	0.02	0.03	55	0.008	Y	1.82	0.01		
				Subtotal	0.03				Subtotal	0.01	0.04	USE 0.1 AS MIN. VALUE 2.5
OS-2	35	0.020	3.97	0.02	0.01	132	0.015	Y	2.49	0.01		
				Subtotal	0.01				Subtotal	0.01	0.03	USE 0.1 AS MIN. VALUE 1.6

AMC DESIGN GROUP
ENGINEERING AND CONSTRUCTION CONSULTANTS
P.O. BOX 3030036
AUSTIN, TEXAS 78703
512-385-2911
TEXAS REGISTERED ENGINEERING FIRM F-1708

STATE OF TEXAS
CHRIS McCOMB
80442
LICENSED PROFESSIONAL ENGINEER
9/17/25

Thrower Design
P.O. BOX 41957 AUSTIN, TEXAS 78704 (512) 476-4456
LAND PLANNERS

NO	DATE	DESCRIPTION

PRESIDIO CUSTOM METAL WORKS
SITE PLAN
1300-B W. INDUSTRIAL DRIVE
ROUND ROCK, TEXAS

PROPOSED DRAINAGE OVERALL

SSP24-00009

Section 4

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: Christopher McComb, P.E.

Date: 9/17/25

Signature of Customer/Agent:

Regulated Entity Name: Presidio Custom Metal Works

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.

Attachment A

A.0 Spill Response Actions

A.1 Petroleum Products

A.1.2 All on-site vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled. Any asphalt substances used on-site will be applied according to the manufacturer's recommendations.

A.2 Fertilizers

A.2.1 Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to stormwater. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

A.3 Paints

A.3.1 All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed according to manufacturers' instructions or State and local regulations.

A.4 Concrete Trucks

A.4.1 Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on the site only at specific location shown on the plan.

A.5 In addition to the good housekeeping and material management practices discussed in the previous section of this plan, the following practices will be followed for spill prevention and cleanup:

A.5.1 Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

A.5.2 Materials and equipment necessary for spill cleanup will be kept in the material storage area on-site. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.

A.5.3 All spills will be cleaned up immediately after discovery.

A.5.4 The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.

A.5.5 Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of size.

A.5.6 The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.

A.5.7 The owner's representative & site construction manager responsible for the day-to-day site operations will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the officer trailer on-site.

A.5.8 Notification Requirements and Procedures
Notify TCEQ immediately in the event of:

- Any spill that threatens to enter a storm sewer or watercourse.
- All petroleum spills greater than 5 gallons.
- Any hazardous or unknown material spill, e.g. many solvents, cleaners, etc.
- Any discharge suspected of being in violation of State or Municipal codes, e.g. discharges which are cloudy, foul smelling, colored, contain chemicals or heavy sediment loads.

TCEQ SPILL REPORTING HOTLINE
800-832-8224 (24-HOURS A DAY)

PLEASE DO NOT LEAVE MESSAGES ON VOICE MAILBOXES FOR INCIDENTS THAT NEED IMMEDIATE ATTENTION.

TCEQ SPILL RESPONSE INTERNET LINK:
www.tceq.texas.gov/response/spills

Attachment B

Potential Sources of Contamination

The materials listed below are anticipated to be present on-site during construction:

1. Concrete
2. Detergents
3. Paints (enamel and latex)
4. Tar
5. Fertilizers
6. Petroleum based products
7. Cleaning solvents
8. Wood

Material management practices will be utilized to reduce the risk of spills or other accidental exposure of the materials listed above to stormwater runoff, including the following:

1. An effort will be made to store only enough product required to do the job.
2. All materials stored on-site will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
3. Products will be kept in their original containers with the original manufacturer's label.
4. Substances will not be mixed with one another unless recommended by the manufacturer.
5. Whenever possible, all of a product will be used up before disposing of the container.
6. Manufacturers' recommendations for proper use and disposal will be followed.
7. The site superintendent will inspect the site daily to ensure proper use and disposal of materials on-site.

The following practices will be used to reduce the risks associated with hazardous materials, if hazardous materials are needed for the work:

1. Products will be kept in original containers unless they are not re-sealable.
2. Original labels and material safety data will be retained.
3. If surplus product must be disposed of, manufacturer or local and state recommended methods for proper disposal will be followed.

Product specific practices and spill prevention practices have been included with this report as Attachment A.

The following are authorized non-stormwater discharges:

1. Discharges from fire fighting activities.
2. Fire hydrant flushing.
3. Water used to wash vehicles and pavement where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed, and if local, state or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, and dust.
4. Water used to control dust.
5. Potable water sources including waterline flushing.
6. Uncontaminated groundwater or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents.

7. Air conditioning condensate originating from on site vehicles or the construction trailer, if present.

Each and all of these authorized non-stormwater discharges will be directed along the same channels as the stormwater run-off and through the same pollution control devices.

Attachment D

D.0 Temporary Best Management Practices and Measures

D.1 The contractor shall install erosion/sedimentation controls prior to any site preparation work (clearing, grubbing or excavation).

D.1.2 The placement of erosion/sedimentation controls shall be in accordance with the City of Round Rock requirements and TCEQ guidelines.

D.1.3 See the Erosion & Sedimentation Control Plan, for all temporary erosion control structure locations.

D.1.4 Significant variation in materials or locations of controls or fences from those shown on the approved plan must be approved by the design engineer, or the city engineer as appropriate.

D.1.5 The contractor is required to inspect the controls and silt fences at weekly intervals and after significant rainfall events to insure that they are functioning properly. The person(s) responsible for maintenance of controls and fences shall immediately make any necessary repairs to damaged areas. Silt accumulation at controls must be removed when the depth reaches 6 inches.

D.1.6 The stabilized construction entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public roadways. This may require periodic top dressing with additional stone as conditions demand, and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public roadway must be removed immediately.

Attachment F

F.0 Structural Practices

The following structural practices will be followed to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site.

1. Silt fencing on the down slope side of disturbed areas.
2. Silt fencing around all sensitive features as shown on the E&S Plan.
3. Silt fencing around the temporary spoils, construction and staging areas.
4. Provide the temporary stormwater pumping discharge area as shown on the E&S Plan.
5. Placement of structural practices in floodplains has been avoided.

Attachment G

G.0 Drainage Area Map

G.1 Refer to the Site Drainage Plan for all drainage information.

Attachment I

I.0 Inspection and Maintenance for BMPs

I.1 Temporary erosion and sedimentation controls will be inspected and maintained at weekly intervals, and after significant rainfall events in excess of ½ inch of precipitation to insure that controls are functioning properly. Damaged controls will be repaired or replaced immediately and will be conducted within twenty-four hours of the inspection report.

I.2 Silt accumulation at each control will be removed and properly disposed when the depth of accumulation exceeds six (6) inches.

I.3 Permanent seeding and planting will be inspected for bare spots, washouts and healthy growth.

I.4 The contractor of record will designate a qualified person or persons to perform the following inspections:

1. Disturbed areas and areas used for storage of materials that are exposed to precipitation will be inspected for evidence of, or the potential for, pollutants entering the drainage system.

2. Erosion and sediment control measures identified in the plan will be observed to ensure that they are operating correctly. Repairs, if necessary, will be initiated within twenty-four hours of report.

3. Where stormwater discharge locations are accessible, they will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receiving waters.

4. Locations where vehicles enter or exit the site will be inspected for evidence of off-site sediment tracking.

I.5 Based on the results of the weekly inspection, the Site Description Controls of this Pollution Prevention Plan will be revised as appropriate, but in no case later than seven (7) calendar days following the inspection.

I.6 A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with items above will be made retained as part of the storm water pollution plan for at least three (3) years from the date that the site is finally stabilized. The report will be signed by applicable personnel at the conclusion of all construction activities.

I.7 Copies of the forms to be used for the Inspection and Maintenance report are included herein.

Appendix I – Inspection Report

Project Name:
SWPPP Contact:

BEST MANAGEMENT PRACTICE
INSPECTION AND MAINTENANCE REPORT FORM

SILT FENCE

Name of Inspector: _____ Inspection Date: _____
Days Since Last Rainfall: _____ Amount of Last Rainfall: _____inches

Where is the Silt Fence Located?	Is the Bottom of the Fabric Still Buried?	Is the Fabric Torn or Sagging?	Are the Posts Tipping Over?	How Deep is the Sediment?

MAINTENANCE REQUIRED FOR SILT FENCE: _____
_____
_____
_____
_____
_____
_____
_____

TO BE PERFORMED BY: _____ **ON OR BEFORE:** _____

Project Name:
SWPPP Contact:

BEST MANAGEMENT PRACTICE
INSPECTION AND MAINTENANCE REPORT FORM

MULCH SOCK

Name of Inspector: _____ Inspection Date: _____
Days Since Last Rainfall: _____ Amount of Last Rainfall: _____inches

Where are the Mulch Socks Located?	Are the Mulch Socks Embedded in the Ground?	Are the Mulch Socks Anchored in Place?	What is the Condition of the Mulch Socks?

MAINTENANCE REQUIRED FOR MULCH SOCKS: _____
_____
_____
_____
_____
_____
_____
_____
_____

TO BE PERFORMED BY: _____ **ON OR BEFORE:** _____

Project Name:
SWPPP Contact:

BEST MANAGEMENT PRACTICE
INSPECTION AND MAINTENANCE REPORT FORM

MULCH BERMS

Name of Inspector: _____ Inspection Date: _____
Days Since Last Rainfall: _____ Amount of Last Rainfall: _____inches

Where is the Mulch Berm Located?	Is the Mulch Berm Still in Place?	What is the Condition of the Mulch Berm?

MAINTENANCE REQUIRED FOR MULCH BERMS: _____
_____
_____
_____
_____
_____
_____
_____
_____

TO BE PERFORMED BY: _____ **ON OR BEFORE:** _____

Project Name:
SWPPP Contact:

BEST MANAGEMENT PRACTICE
INSPECTION AND MAINTENANCE REPORT FORM

INLET PROTECTION BARRIERS

Name of Inspector: _____ Inspection Date: _____
Days Since Last Rainfall: _____ Amount of Last Rainfall: ___inches

Location	In Place?	Depth of Sediment	Condition of Inlet

MAINTENANCE REQUIRED FOR INLET PROTECTION BARRIERS: _____
_____
_____
_____
_____
_____
_____
_____
_____
_____

TO BE PERFORMED BY: _____ **ON OR BEFORE:** _____

Project Name:
SWPPP Contact:

BEST MANAGEMENT PRACTICE
INSPECTION AND MAINTENANCE REPORT FORM

STABILIZED CONSTRUCTION ENTRANCE

Name of Inspector: _____ Inspection Date: _____
Days Since Last Rainfall: _____ Amount of Last Rainfall: ___inches

Location	Is Sediment Being Tracked onto Road?	Is the Entry Surface Clean or Sediment Filled?	Does All Traffic Use the Entrance?

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCES: ___

_____
_____
_____
_____
_____
_____
_____
_____

TO BE PERFORMED BY: _____ ON OR BEFORE: _____

Project Name:
SWPPP Contact:

BEST MANAGEMENT PRACTICE
INSPECTION AND MAINTENANCE REPORT FORM

(Completed weekly or as soon as possible after a significant storm event)

Name of Inspector: _____ Inspection Date: _____
Days Since Last Rainfall: _____
Amount of Last Rainfall: _____

STABILIZATION MEASURES					
Area or Drainage Areas*	**Date Since Last Disturbance**	**Date of Next Disturbance**	**Stabilized (Yes or No)**	**Control Measures Implemented**	**Current Conditions of Control Measures**

* See site map for drainage areas. Site may include borrow sources, haul roads, contractor's yard, stockpiles, etc.
** Areas that will be exposed more than 21 days must be stabilized within 14 days

STABILIZATION REQUIRED: _____
_____
_____
_____

TO BE PERFORMED BY: _____ **ON OR BEFORE:** _____

Control Measure Codes		**Condition Codes**
1. Temporary Seeding	14. Rock Bed at Construction Exit	U – Upgrade Needed
2. Permanent Plant, Sod, or Seed	15. Timber Mat at Construction Entrance	R – Replacement Needed
3. Mulch	16. Channel Liner	M – Maintenance Needed
4. Soil Retention Blanket	17. Sediment Trap	C – Cleaning Needed
5. Buffer Zone	18. Sediment Basin	I – Increase Measures
6. Preserve Natural Resources	19. Storm Inlet Sediment Trap	S – Stable (no action required)
7. Silt Fence	20. Stone Outlet Structure	
8. Hay Bales	21. Curb and Gutter	
9. Rock Berm	22. Storm Sewers	
10. Diversion Dike	23. Velocity Control Devices	
11. Diversion Swale	24. Excess Dirt Removed From Road	
12. Pipe Slope Drain	25. Haul Roads Dampened for Dust	
13. Paved Flume	26. Cleanup of Possible Contaminants	

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 or the person 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: _____ Date: _____

Project Name:
SWPPP Contact:

BEST MANAGEMENT PRACTICE
INSPECTION AND MAINTENANCE REPORT FORM

CONSTRUCTION ACTIVITIES LOG

Name of Inspector	Date	Major Grading Activities	Temporary Suspension of Construction Activities	Permanent Suspension of Construction Activities	Initiation of Stabilization Measures	Comments

Date	Additional Changes

Corrective Action Log

Project Name:
SWPPP Contact:

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

Attachment J

J.0 Schedule of Interim and Permanent Soil Stabilization Practices

J.1 All disturbed areas shall be restored as noted below:

a. A minimum of four inches of topsoil shall be placed in all drainage channels (except concrete or rock) and between the curb and right-of-way line.
b. The seeding for permanent erosion control shall be applied over areas disturbed by construction as follows:
   I. From September 15 to March 1, seeding shall be with a combination of 1 pound per 1000 s.f. of unhulled Bermuda and 3 pounds per 1000 s.f. of winter rye with a purity of 95% with 90%.
   II. From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 1 pound per 1000 s.f. with a purity of 95% with 85% germination.
c. Fertilizer shall have an analysis of 15-5-10 and shall be applied at the rate of 500 pounds per acre.
d. The planted area shall be irrigated or sprinklered in a manner that will not erode the topsoil, but will sufficiently soak the soil to a depth of six inches. The irrigation shall occur at ten-day intervals during the first two months. Rainfall occurrences of ½" or more shall postpone the watering schedule for one week.
e. Mulch type used shall be cellulose fiber, applied at a rate of 2000 pounds per acre.
f. Restoration shall be acceptable when the grass has grown at least 1 inch high with 95% coverage, provided no bare spots larger than 16 s.f. exist.

J.2 Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days.