

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: N/A				2. Regulated Entity No.: N/A					
3. Customer Name: Hays County				4. Customer No.: CN 601098205					
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):		533.144		
9. Application Fee:	\$500	10. Permanent BMP(s):			N/A				
11. SCS (Linear Ft.):				12. AST/UST (No. Tanks):		N/A			
13. County:	Hays		14. Watershed:			Upper Blanco River			

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

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

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

Jessica Powers- Agent

Print Name of Customer/Authorized Agent

Jessica Powers

Digitally signed by Jessica Powers
DN: C=US, E=jpowers@texas.gov, CN=Jessica Powers
Date: 2025.01.07 23:55:38-0500

1/7/2025

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):

Contributing Zone Exception Request Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Jessica Powers- Agent

Date: 1/7/2026

Signature of Customer/Agent:

Jessica Powers
Digitally signed by Jessica Powers
DN: C=US,
E=jpowers@dunaway.com,
CN=Jessica Powers
Date: 2026.01.08 00:04:48-06'00'

Regulated Entity Name: N/A

Project Information

1. County: Hays
2. Stream Basin: Guadalupe River Basin
3. Groundwater Conservation District (if applicable): Upper Blanco River
4. Customer (Applicant):

Contact Person: Tucker Furlow

Entity: Customer/Applicant

Mailing Address: 712 S Stagecoach

City, State: San Marcos, Texas

Telephone: 512-393-2290

Email Address: tucker.furlow@hayscountytexas.gov

Zip: 78666

Fax: _____

5. Agent/Representative (If any):

Contact Person: Jessica Powers
Entity: Agent
Mailing Address: 5707 Southwest Parkway, Bldg. 2, Ste. 250
City, State: Austin, Texas Zip: 78735
Telephone: 512-399-5378 Fax: _____
Email Address: jpowers@dunaway.com

6. Project Location

- This project is inside the city limits of _____.
- This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
- This project is not located within any city limits or ETJ.

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

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

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

- Project site boundaries.
 USGS Quadrangle Name(s).

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

- Area of the site
 Offsite areas
 Impervious cover
 Permanent BMP(s)
 Proposed site use
 Site history
 Previous development
 Area(s) to be demolished

11. Existing project site conditions are noted below:

- Existing commercial site
 Existing industrial site
 Existing residential site
 Existing paved and/or unpaved roads

- Undeveloped (Cleared)
- Undeveloped (Undisturbed/Not cleared)
- Other: Former Boy Scout camping and hiking facility

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

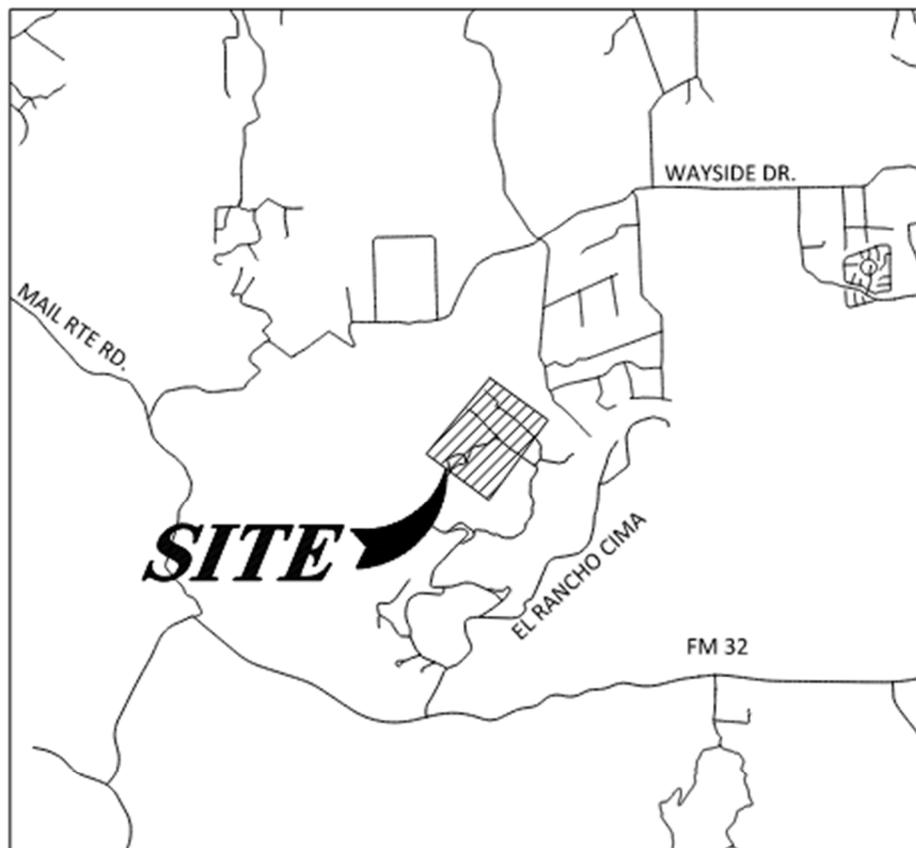
Administrative Information

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

ATTACHMENT A – ROAD MAP

SENTINEL PEAK PARK AT OLD BOY SCOUT RANCH

454 SENTINEL PEAK
FISCHER, TEXAS 78623



GRID: L17
MAPSCO: 646J

VICINITY MAP

1" = 5000'

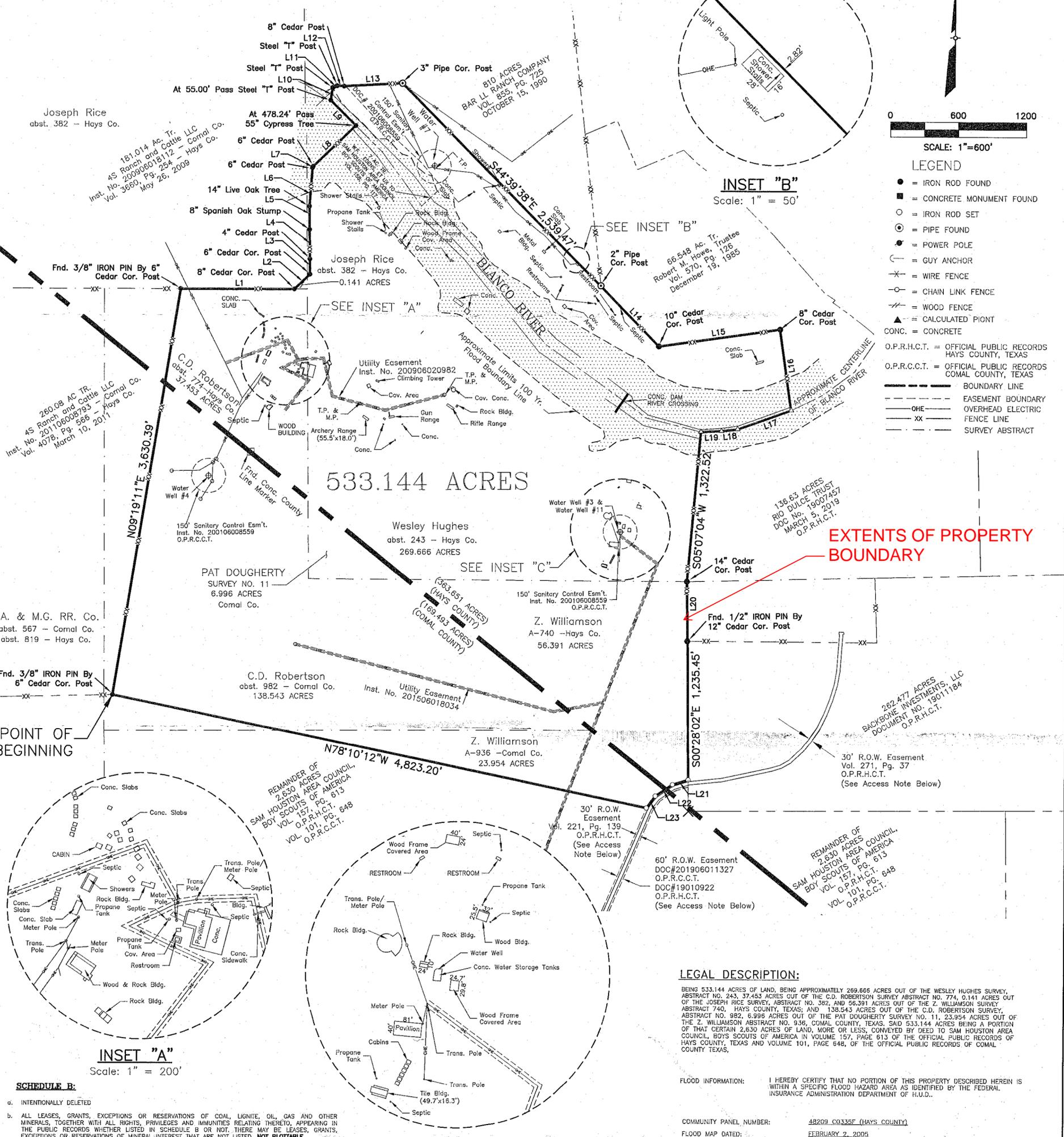
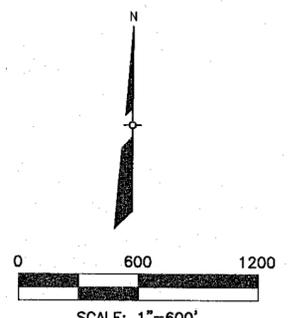


North



ATTACHMENT B – QUADRANGLE MAP

SURVEY TO ACCOMPANY FIELD NOTES



- LEGEND**
- = IRON ROD FOUND
 - = CONCRETE MONUMENT FOUND
 - = IRON ROD SET
 - ⊙ = PIPE FOUND
 - ⊛ = POWER POLE
 - ⊕ = GUY ANCHOR
 - ⊗ = WIRE FENCE
 - ⊘ = CHAIN LINK FENCE
 - ⊚ = WOOD FENCE
 - ▲ = CALCULATED POINT
 - CONC. = CONCRETE
 - = BOUNDARY LINE
 - - - = EASEMENT BOUNDARY
 - - - OHE = OVERHEAD ELECTRIC
 - XX = FENCE LINE
 - - - = SURVEY ABSTRACT
- O.P.R.H.C.T. = OFFICIAL PUBLIC RECORDS HAYS COUNTY, TEXAS
 O.P.R.C.C.T. = OFFICIAL PUBLIC RECORDS COMAL COUNTY, TEXAS

- SCHEDULE B:**
- a. INTENTIONALLY DELETED
 - b. ALL LEASES, GRANTS, EXCEPTIONS OR RESERVATIONS OF COAL, LIGNITE, OIL, GAS AND OTHER MINERALS, TOGETHER WITH ALL RIGHTS, PRIVILEGES AND IMMUNITIES RELATING THERETO, APPEARING IN THE PUBLIC RECORDS WHETHER LISTED IN SCHEDULE B OR NOT, THERE MAY BE LEASES, GRANTS, EXCEPTIONS OR RESERVATIONS OF MINERAL INTEREST THAT ARE NOT LISTED. **NOT PLOTTABLE**
 - c. UTILITY EASEMENTS GRANTED TO FEDERNALES ELECTRIC COOPERATIVE, INC., BY INSTRUMENTS RECORDED IN/UNDER DOCUMENT NO. 200906020982, AND 201906018034 OF THE OFFICIAL PUBLIC RECORDS OF COMAL COUNTY, TEXAS. **SUBJECT TO, SHOWN ON SURVEY**
 - d. AN EASEMENT 30 FEET WIDE GRANTED TO ADAM W. SCHNEIDER AND WIFE, LOMA L. SCHNEIDER, AND ARLOE B. SCHNEIDER AND WIFE, MARY A. SCHNEIDER BY INSTRUMENTS RECORDED IN/UNDER VOLUME 221, PAGE 139 OF THE DEED RECORDS OF COMAL COUNTY, TEXAS, AND VOLUME 271, PAGE 37, OF THE OFFICIAL PUBLIC RECORDS OF HAYS COUNTY TEXAS. **SUBJECT TO, SHOWN ON SURVEY**
 - e. INTENTIONALLY DELETED.
 - f. INTENTIONALLY DELETED.
 - g. MAINTENANCE CHARGE INCLUDING SPECIAL ASSESSMENTS FOR CAPITAL IMPROVEMENTS, AND INDIVIDUAL ASSESSMENTS, SECURED BY A VENDORS LIEN AS SET FORTH IN INSTRUMENT FILED FOR RECORD UNDER HAYS COUNTY CLERK'S FILE NO. 19010922 AND COMAL COUNTY CLERK FILE NO. 201906011327, PAYABLE TO THE TOP RANCH ROAD ASSOCIATION, INC. THE LIEN OF THE ASSESSMENTS PROVIDED FOR SHALL BE SUBORDINATE TO THE LIEN OF ANY MORTGAGE OR MORTGAGES NOW OR HEREIN AFTER PLACED UPON THE TRACTS SUBJECT TO ASSESSMENT, PROVIDED, HOWEVER, THAT SUCH SUBORDINATION SHALL APPLY TO THE ASSESSMENTS WHICH HAVE BECOME DUE AND PAYABLE PRIOR TO THE SALE OR TRANSFER OF SUCH TRACT PURSUANT TO A DECREE OF FORECLOSURE, OR ANY OTHER PROCEEDING IN LIEU OF FORECLOSURE, NONE DUE AND PAYABLE. **NOT PLOTTABLE**
 - h. 25% NON-PARTICIPATING ROYALTY INTEREST OR THE OIL, GAS AND OTHER MINERALS IN AND UNDER THE HEREIN DESCRIBED PROPERTY, AS RESERVED IN INSTRUMENT FILED FOR RECORD UNDER COMAL COUNTY CLERK'S FILE NO(S). 201906011326, AND HAYS COUNTY CLERK'S FILE NO. 201906010921. **SUBJECT TO, SHOWN ON SURVEY**
 - i. RIGHTS OF WESLEY WALLACE, TENANT IN POSSESSION, AS TENANT ONLY, UNDER GRAZING LEASE DATED MARCH 1, 2000 AND AMENDED APRIL 2, 2019. **SUBJECT TO NOT PLOTTABLE**
 - j. SANITARY CONTROL EASEMENT AS RECORDED IN DOCUMENT NUMBER 200106008559 OF THE OFFICIAL PUBLIC RECORDS OF COMAL COUNTY, TEXAS. **SUBJECT TO, SHOWN ON SURVEY**
 - k. CERTIFICATION OF NON-PRODUCTION AS RECORDED IN DOCUMENT NO. 19010920, OF THE OFFICIAL PUBLIC RECORDS OF HAYS COUNTY, TEXAS. **SUBJECT TO, NOT PLOTTABLE**
 - l. AFFIDAVIT FOR O.S.S.F. AS RECORDED IN DOCUMENT NOS. 201208023096, 201206028468 AND 201206029326, OF THE OFFICIAL PUBLIC RECORDS OF COMAL COUNTY, TEXAS AND IN VOLUME 3365, PAGE 203 (DOCUMENT NO. 80009355) AND VOLUME 4349, PAGE 147 (DOCUMENT NO. 2012-12013888), OF THE OFFICIAL PUBLIC RECORDS OF HAYS COUNTY, TEXAS. **SUBJECT TO, NOT PLOTTABLE**

INSET "C"
Scale: 1" = 200'

Line Table			Line Table		
Line #	Length	Direction	Line #	Length	Direction
L1	1,002.63'	N89°57'08"E	L13	515.33'	N86°59'06"E
L2	189.84'	N46°13'42"E	L14	704.70'	S43°55'07"E
L3	134.79'	N00°30'33"W	L15	1,081.86'	N81°50'06"E
L4	263.28'	N00°43'58"W	L16	723.32'	S08°00'51"E
L5	204.21'	N00°42'58"W	L17	501.67'	S70°36'16"W
L6	340.88'	N04°24'22"E	L18	144.36'	S83°17'50"W
L7	12.67'	N23°12'28"E	L19	179.91'	S87°43'28"W
L8	521.33'	N46°13'58"E	L20	524.07'	S00°56'40"E
L9	314.27'	N45°11'27"W	L21	143.96'	S73°23'49"W
L10	112.97'	N08°40'48"E	L22	181.93'	S56°15'38"W
L11	41.63'	N67°12'54"E	L23	130.79'	S36°53'57"W
L12	63.42'	S86°40'43"E			

LEGAL DESCRIPTION:
 BEING 533.144 ACRES OF LAND, BEING APPROXIMATELY 269.666 ACRES OUT OF THE WESLEY HUGHES SURVEY, ABSTRACT NO. 243, 37.453 ACRES OUT OF THE C.D. ROBERTSON SURVEY ABSTRACT NO. 774, 0.141 ACRES OUT OF THE JOSEPH RICE SURVEY, ABSTRACT NO. 382, AND 56.391 ACRES OUT OF THE Z. WILLIAMSON SURVEY ABSTRACT 740, HAYS COUNTY, TEXAS; AND 138.543 ACRES OUT OF THE C.D. ROBERTSON SURVEY, ABSTRACT NO. 982, 6.996 ACRES OUT OF THE PAT DOUGHERTY SURVEY NO. 11, 23.894 ACRES OUT OF THE Z. WILLIAMSON ABSTRACT NO. 936, COMAL COUNTY, TEXAS, SAID 533.144 ACRES BEING A PORTION OF THAT CERTAIN 2,630 ACRES OF LAND, MORE OR LESS, CONVEYED BY DEED TO SAM HOUSTON AREA COUNCIL BOYS SCOUTS OF AMERICA IN VOLUME 157, PAGE 613 OF THE OFFICIAL PUBLIC RECORDS OF HAYS COUNTY, TEXAS AND VOLUME 101, PAGE 648, OF THE OFFICIAL PUBLIC RECORDS OF COMAL COUNTY TEXAS.

FLOOD INFORMATION: I HEREBY CERTIFY THAT NO PORTION OF THIS PROPERTY DESCRIBED HEREIN IS WITHIN A SPECIFIC FLOOD HAZARD AREA AS IDENTIFIED BY THE FEDERAL INSURANCE ADMINISTRATION DEPARTMENT OF H.U.D.

COMMUNITY PANEL NUMBER: 48209 C0335F (HAYS COUNTY)
 FLOOD MAP DATED: FEBRUARY 2, 2006
 COMMUNITY PANEL NUMBER: 48091 C110E (COMAL COUNTY)
 FLOOD MAP DATED: FEBRUARY 2, 2009
 GF NO: 20190697A

ACCESS NOTE: THE EXISTING 30' R.O.W. EASEMENT (VOL. 271, PG. 37, O.P.R.H.C.T.) AND 60' R.O.W. EASEMENT DOC. #201906011327, O.P.R.C.C.T. AND DOC. #19010922 O.P.R.H.C.T. CONNECT TO RANCH ROAD 32, A PUBLIC RIGHT OF WAY.

ALL MONUMENTS SHOWN HEREON ACTUALLY EXIST AND THE LOCATION, SIZE, AND TYPE OF MATERIAL THEREOF ARE CORRECTLY SHOWN; THERE ARE NO VISIBLE EASEMENTS OR RIGHTS-OF-WAY ON THE PROPERTY AND THERE ARE NO VISIBLE DISCREPANCIES, CONFLICTS, SHORTAGES IN AREA OR BOUNDARY LINE CONFLICTS ALL RECORDED EASEMENTS AND SETBACK LINES HAVE BEEN CORRECTLY PLATTED HEREON WITH APPLICABLE RECORDING INFORMATION; THE BOUNDARIES, DIMENSIONS AND OTHER DETAILS SHOWN HEREON ARE TRUE AND CORRECT.

THE UNDERSIGNED DOES HEREBY CERTIFY TO THE NATURE, CONSERVANCY, HAYS COUNTY AND OLD CELO SURVEYING, FIRM REGISTRATION NO. 10193975
 2205 STONECREST PATH
 NEW BRAUNFELS, TEXAS 78130
 OFFICE (512) 635-4857

THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 1A, CONDITION IV SURVEY.

11-819

GEORGE E. LUCAS
 REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4160
 4160
 LAND SURVEYOR



ATTACHMENT C – PROJECT DESCRIPTION

**Area of the site:**

The total property boundary area is 533.1 acres, as shown in Attachment B. The proposed improvements will be located within a Limits of Construction (LOC) area of 9.8 acres.

Offsite areas:

There are no offsite areas.

Impervious Cover:

The overall existing impervious cover is 13.1 acres spread out over the 533.1-acre property or 2.4% impervious cover. The proposed improvements will be located within the LOC area of 9.8 acres. The existing impervious cover inside the LOC is 1.7 acres. The proposed project will demolish and remove the 1.7 acres of impervious cover. The proposed project will add 1.6 acres of new impervious cover. This will result in a net decrease of 0.1 acres in overall impervious cover. The proposed impervious cover areas are located in the same LOC area as the existing impervious cover. The new overall impervious cover will be 13.0 acres or 2.4 %.

Permanent BMP(s):

There are no permanent BMPs proposed with the project. All existing impervious cover was constructed before 1999. See attached Aerial from 1995 for reference. Please also see Attachment D Nature of Exception.

Proposed site use:

Hays County Parks and Recreation Department (PARC) proposes the site to be used as a public recreational area/park with a allowable maximum of 100 visitors per day. Public access will be by reservation. Visitors will access the Site by a controlled manned gate and have access to the park for swimming at the Blanco River, hiking trails, and two multi-use buildings. PARC will have a proposed maintenance building for storage and maintenance vehicles.

Site history and Previous Development:

The site was previously developed and operated as a private boy scout camp. The daily use involved recreational activities such as hiking, swimming, and camping. The camp closed in 2018 and the Site has ceased all activities since.

Area(s) to be demolished:

The guard shack, water storage tank and pump house, hillside, and riverside areas all include items that will be demoed. At the riverside, this includes signs, concrete pads, concrete steps, the existing rock wall, and existing buildings. On the hillside, demolition involves the existing septic vault, buildings, rock walls, gravel, and a rock building. For the guard shack, the existing wood structure will be removed. At the water storage tank and pump house, the tank, ground pipes, gates, chain-link fences, and additional ground piping will be removed.

1/1995
1985 2025

Navigation controls including a compass and directional arrows.

Click to move around

Hand cursor icon for navigation.

Person icon for street view.

Zoom in (+) and zoom out (-) buttons.

Vertical zoom slider.

Sentinel Peak Camp

El Rancho Cima

El Rancho Cima

Blanco River

El Rancho Cima

El Rancho Cima

El Rancho Cima

Image U.S. Geological Survey

Google Earth

Sentinel Peak

Google Earth Aerial - 1995

Legend

 Sentinel Peak Camp

 Sentinel Peak Camp

El Rancho Cima

Google Earth

Image U.S. Geological Survey



1000 ft



ATTACHMENT D – NATURE OF EXCEPTION



ATTACHMENT D – NATURE OF EXCEPTION

An exception is being requested from 30 TAC 213, Subchapter B, §213.21, Applicability and Person or Entity Required to Apply. The project is located in Hays County within the contributing zone to the Edwards Aquifer and is being submitted as a Contributing Zone Plan (CZP) Exception rather than a full CZP.

Under 30 TAC 213, Subchapter B, §213.20, state regulations for the contributing zone are intended to protect surface streams that recharge the Edwards Aquifer and preserve the beneficial uses of groundwater. Section 213.26(a) allows an exception when a project can demonstrate equivalent protection of water quality for streams entering the recharge zone.

The total property boundary area is 533.1 acres, as shown in Attachment B. The proposed improvements will be located within a Limits of Construction (LOC) area of 9.8 acres.

The overall existing impervious cover is 13.1 acres spread out over the 533.1-acre property or 2.4% impervious cover. The proposed improvements will be located within the LOC area of 9.8 acres. The existing impervious cover inside the LOC is 1.7 acres. The proposed project will demolish and remove the 1.7 acres of impervious cover. The proposed project will add 1.6 acres of new impervious cover. This will result in a net decrease of 0.1 acres in overall impervious cover. The proposed impervious cover areas are located in the same LOC area as the existing impervious cover. The new overall impervious cover will be 13.0 acres or 2.4 %.

There are no permanent BMPs proposed with the project. All existing impervious cover was constructed before 1999, prior to TCEQ's water quality control requirements for the contributing zone; therefore, no permanent controls were required at the time. The proposed work reduces impervious cover, is limited to previously disturbed areas, and does not introduce impacts significant enough to warrant new water quality controls. Therefore, the project does not increase risk to surface streams that recharge the Edwards Aquifer.

In addition, James Slone with TCEQ's confirmed via email that the project can be submitted as a CZP Exception. This email thread is included on the next page and the construction plans are included after the email thread before "Attachment E".

Sentinel Peak

Google Earth Aerial - 1995

Legend

 Sentinel Peak Camp

 Sentinel Peak Camp

El Rancho Cima

Google Earth

Image U.S. Geological Survey



1000 ft



Outlook

RE: [EXTERNAL]RE: Contributing Zone Question

From James Slone <james.slone@tceq.texas.gov>

Date Mon 12/1/2025 1:36 PM

To Michael Mullone <MMullone@dunaway.com>; Jessica Powers <jpowers@dunaway.com>

Michael,

You can submit the plan as an CZP Exception instead of a CZP. Sorry it took so long, I had to cross paths with my manager. Please retain this email for your records.

Bo

James "Bo" Slone, P.G.

Team Leader

Edwards Aquifer Protection Program

Texas Commission on Environmental Quality

(512) 239-6994

From: Michael Mullone <MMullone@dunaway.com>

Sent: Monday, December 1, 2025 11:40 AM

To: Jessica Powers <jpowers@dunaway.com>; James Slone <james.slone@tceq.texas.gov>

Subject: RE: [EXTERNAL]RE: Contributing Zone Question

Good morning Bo,

Were you able to clarify the below for us?

Michael Mullone, PE, CESSWI, CFM, CPESC

Sr. Project Engineer | Associate

Dunaway

T 512.306.8252 **D** 512.399.5373 **C** 817.564.6883

From: Jessica Powers <jpowers@dunaway.com>

Sent: Tuesday, November 25, 2025 8:35 AM

To: James Slone <james.slone@tceq.texas.gov>

Cc: Michael Mullone <MMullone@dunaway.com>

Subject: Re: [EXTERNAL]RE: Contributing Zone Question

Good Morning,

Thank you for meeting with us yesterday to discuss Sentinel Peak. The project is in the Contributing Zone, more IC is being removed than added. Approximately 75,000 sq. ft

of existing impervious cover is being removed and 68,500 sq. Ft. of new impervious cover is being added on approximately 533 acres. Would we need a CZP and if so, with the net negative addition of IC would this be an exception?



Best,

Jessica Powers

Permit Processor

Dunaway

T 817.335.1121 D 512.399.5378 C 512.758.9949

From: Jessica Powers <jpowers@dunaway.com>
Sent: Thursday, November 20, 2025 4:18 PM
To: James Slone <james.slone@tceq.texas.gov>
Cc: Michael Mullone <MMullone@dunaway.com>
Subject: Re: [EXTERNAL]RE: Contributing Zone Question

Hello, Bo

I apologize, I looked at the calendar wrong, I am going to update this invite for 2:30 same day.

Best,

Jessica Powers

Permit Processor

Dunaway

T 817.335.1121 D 512.399.5378 C 512.758.9949

From: Jessica Powers <jpowers@dunaway.com>
Sent: Thursday, November 20, 2025 3:30 PM
To: James Slone <james.slone@tceq.texas.gov>
Cc: Michael Mullone <MMullone@dunaway.com>
Subject: Re: [EXTERNAL]RE: Contributing Zone Question

Thank you, I just sent a request for Monday at 3:30.

Best,

Jessica Powers

Permit Processor

Dunaway

T 817.335.1121 D 512.399.5378 C 512.758.9949

From: James Slone <james.slone@tceq.texas.gov>
Sent: Thursday, November 20, 2025 1:51 PM
To: Jessica Powers <jpowers@dunaway.com>
Cc: Michael Mullone <MMullone@dunaway.com>
Subject: [EXTERNAL]RE: Contributing Zone Question

Hello Jessica,

I could Monday afternoon or anytime Tuesday after 10. If those work, send me a Teams invitation.

Bo

From: Jessica Powers <jpowers@dunaway.com>
Sent: Thursday, November 20, 2025 10:36 AM
To: James Slone <james.slone@tceq.texas.gov>
Cc: Michael Mullone <MMullone@dunaway.com>
Subject: Contributing Zone Question

Good Morning Bo,

We have a project in the contributing zone. We wanted to schedule a quick meeting with you to discuss if it is necessary to submit anything and if so, if it is possible to submit an exception instead of a full CZP. What does your availability look like early next week?



Best,

Jessica Powers
Permit Processor



T 817.335.1121 D 512.399.5378 C 512.758.9949
dunaway.com

GENERAL NOTES:

- 1. DIMENSIONS AND COORDINATES PROVIDED INDICATE THE DESIGN INTENT OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY INCONSISTENCIES OR DISCREPANCIES FOUND DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES DURING CONSTRUCTION LAYOUT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO AND THROUGHOUT CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION PHASE SURVEYING INCLUDING LOCATING AND VERIFYING PROJECT BENCHMARKS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORDS. THE CONTRACTOR SHALL PROVIDE CLEAR AND ACCURATE FULL-SIZE RECORD DRAWINGS WHICH CLEARLY DESCRIBE ANY DEVIATIONS FROM THE PLANS.
5. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING, IN ORDER OF PRECEDENCE, (1) DETAILS SHOWN IN THESE PLANS AND SPECIFICATIONS, (2) CITY STANDARD DETAILS AND SPECIFICATIONS, (3) "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), (4) TEXAS DEPARTMENT OF TRANSPORTATION - "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAY, STREETS AND BRIDGES."
6. IN AREAS WHICH ARE TO REMAIN UNDISTURBED, THE CONTRACTOR SHALL PRESERVE, PROTECT AND/OR RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO ORIGINAL CONDITION OR BETTER AT THE EXPENSE OF THE CONTRACTOR.
7. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY.
8. THE LOCATION AND DIMENSIONS SHOWN ON THE PLANS RELATIVE TO EXISTING UTILITIES ARE BASED ON THE BEST RECORDS AND/OR FIELD INFORMATION AVAILABLE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF SUCH INFORMATION. ALL DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT EXPENSE OF THE CONTRACTOR.
9. THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS, AND IF DISTURBED, THEY SHALL BE RESET AT THE EXPENSE OF THE CONTRACTOR.
10. IN THE EVENT THAT OTHER CONTRACTORS ARE DOING WORK IN THE SAME AREA SIMULTANEOUSLY WITH THIS PROJECT, THE CONTRACTOR SHALL COORDINATE HIS PROPOSED CONSTRUCTION WITH THAT OF THE OTHER CONTRACTORS.
11. ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING UNSUITABLE SPILL MATERIAL, REFUSE, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY REMOVED & DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT.
12. THE CONTRACTOR SHALL MAKE A FINAL CLEAN-UP OF ALL PARTS OF THE WORK AND PREPARE THE SITE IN AN ORDERLY MANNER OF APPEARANCE BEFORE ACCEPTANCE BY THE DEVELOPER OR HIS REPRESENTATIVE.
13. HAUL ROADS, ACCESS ROUTES AND THE LOCATION OF ALL STAGING AREAS AND STORAGE AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER, CITY AND/OR OWNER.
14. TERRACON HAS MADE AN INVESTIGATION OF SUBSURFACE SOIL CONDITIONS OF THE PROJECT SITE IN THEIR REPORT, PROJECT NUMBER 90245217, DATED JANUARY 14, 2005, AND IS REFERENCED IN THE CONSTRUCTION DOCUMENTS AS "GEOTECHNICAL REPORT".
15. IF LIVESTOCK ARE PRESENT DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER AND OWNER REPRESENTATIVES TO PROVIDE TEMPORARY FENCING DURING CONSTRUCTION TO PROTECT LIVESTOCK FROM INJURY.
16. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PRESERVE AND PROTECT ANY EXISTING IRRIGATION SYSTEM. ALL IRRIGATION LINES SHALL BE ADJUSTED BY A LICENSED IRRIGATION CONTRACTOR AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ANY DAMAGE TO THE IRRIGATION SYSTEM SHALL BE REPAIRED BY A LICENSED IRRIGATION CONTRACTOR. THE IRRIGATION SYSTEM SHALL BE TESTED BY THE CONTRACTOR AND SHALL BE FULLY OPERATIONAL PRIOR TO ANY FINAL HYDROMULCHING OR SODDING.
17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION AS REQUIRED BY THE CITY AND STATE IN WHICH THE PROJECT IS LOCATED.
18. CONTRACTOR SHALL PREPARE, FURNISH, MAINTAIN, AND REMOVE ALL TRAFFIC CONTROL DEVICES THROUGHOUT CONSTRUCTION. ALL DEVICES SHALL BE IN CONFORMANCE WITH THE TEXAS MUTCD, LATEST EDITION AS CURRENTLY AMENDED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
19. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL AND SEQUENCING PLAN AND COORDINATING ROAD AND DRIVEWAY CLOSURES WITH THE OWNER AND AUTHORITIES HAVING JURISDICTION.

SITE PLAN NOTES:

- 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY THE BOUNDARY MONUMENTATION AND THE PROJECT BENCHMARKS PRIOR TO COMMENCING CONSTRUCTION. THE BOUNDARY MONUMENTATION SHALL BE USED AS HORIZONTAL PROJECT CONTROL AND SHALL BE PROTECTED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
2. ALL DIMENSIONS AND COORDINATES ARE TO BACK OF CURB, EDGE OF PAVEMENT, FACE OF BUILDING, OR PROPERTY LINE UNLESS NOTED OTHERWISE. ALL CURB RADI SHALL BE 1.5' MINIMUM BACK OF CURB UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF BUILDING, ENTRANCE FEATURES, EXIT PORCHES, TRUCK DOCKS, ENTRANCE LOCATIONS, DOWNSPOUTS, AND FOUNDATION DIMENSIONS.

EROSION CONTROL NOTES:

- 1. EROSION CONTROL MEASURES SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). ANY CHANGES TO THE SWPPP SHALL SUPERSEDE THE EROSION CONTROL PLAN. THE SWPPP IS TO BE KEPT ON-SITE AT ALL TIMES WITH THESE CONSTRUCTION DOCUMENTS AS NECESSARY FOR COMPLIANCE WITH THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) GENERAL PERMIT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AND MAINTAINING COMPLIANCE WITH THE GENERAL PERMIT.
3. PRIOR TO COMMENCING ANY CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE AND NECESSARY PERIMETER CONTROLS SHALL BE INSTALLED.
4. THE STABILIZED CONSTRUCTION ENTRANCE HAS BEEN SHOWN ARBITRARILY. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY (IN COMPLIANCE WITH ALL MUNICIPAL REGULATIONS) TO DETERMINE THE LOCATION(S) OF PROJECT INGRESS/EGRESS POINTS. HOWEVER ALL ENTRANCES AT ALL TIMES SHALL BE PREPARED IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAILS (SEE EROSION CONTROL DETAILS) AND CONTINUOUSLY MAINTAINED UNTIL FINAL PAVING IS ESTABLISHED.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, ROUTINE INSPECTION AND/OR MAINTENANCE OF EROSION CONTROL DEVICES.
6. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ACCEPTABLE VEGETATION COVERAGE HAS BEEN ACHIEVED IN ACCORDANCE WITH THE GENERAL PERMIT.
7. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO COMPLY WITH THE SWPPP OR TCEQ STORMWATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT HIS EXPENSE.
8. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR AT LEAST FOURTEEN DAYS SHALL BE TEMPORARILY SEEDED AND WATERED. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED/SODDED WITHIN SEVEN DAYS IN ACCORDANCE WITH THE PLANS.
9. THE SPECIFIC PLANT MATERIALS PROPOSED TO PROTECT FILL AND EXCAVATED SLOPES SHALL BE AS INDICATED ON THE LANDSCAPE PLANS. PLANT MATERIALS MUST BE SUITABLE FOR USE UNDER LOCAL CLIMATE AND SOIL CONDITIONS. IN GENERAL, HYDROSEEDING OR SODDING BERMUDA GRASS IS ACCEPTABLE DURING THE SUMMER MONTHS (MAY 1 - AUGUST 30). WINTER RYE OR FESCUE GRASS MAY BE PLANTED DURING TIMES OTHER THAN THE SUMMER MONTHS AS A TEMPORARY MEASURE UNTIL SUCH TIME AS THE PERMANENT PLANTING CAN BE MADE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING SEEDED/SODDED AREAS AS NECESSARY UNTIL 70% VEGETATION IS ESTABLISHED IN ACCORDANCE WITH THE PLANS.
11. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EROSION CONTROL MEASURES ONCE FINAL GROUND STABILIZATION IS ACHIEVED AND THE PROJECT IS COMPLETED.

DEMOLITION NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING OF EXISTING STRUCTURES, UTILITIES, PAVEMENT, TREES, ETC., WITHIN CONSTRUCTION LIMITS AS SHOWN ON PLANS, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES AT CONTRACTOR'S EXPENSE. AREAS WHERE MATERIAL HAS BEEN REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT BACK UP TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL IN ACCORDANCE WITH GEOTECHNICAL REPORT.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
3. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
5. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
6. CONTRACTOR MAY LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
7. ALL FENCES REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED AT THE EXISTING OR PROPOSED LOCATION AS DIRECTED BY THE OWNER'S PROJECT REPRESENTATIVE.

GRADING NOTES:

- 1. THE AREA TO BE GRADED SHOULD BE STRIPPED OF VEGETATION, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIALS.
2. ALL DISTURBED AREAS NOT UNDER BUILDING PAD OR FUTURE PAVEMENT SHALL RECEIVE SIX (6) INCHES OF TOPSOIL. REFERENCE LANDSCAPING PLAN FOR DETAILS AND SPECIFICATIONS.
3. CONSTRUCTION SHALL BE BASED ON SPOT GRADES SHOWN ON THE GRADING PLAN. CONTOURS ARE A VISUAL REPRESENTATION OF FINISHED GRADE ONLY AND ARE NOT INTENDED TO BE USED TO SET GRADE.
4. SLOPES ON SITE SHALL NOT EXCEED A 4:1 SLOPE, UNLESS NOTED OTHERWISE.
5. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING.
6. ANY COSTS ASSOCIATED WITH DEWATERING THE SITE SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR MASS GRADING THE SITE WITHIN +/- 0.10 FEET OF THE FINISHED GRADE FOR THE PROPOSED BUILDING PAD AND UNDER PROPOSED/FUTURE PAVEMENT.
8. MEDIANS AND LANDSCAPE ISLANDS SHALL BE GRADED TO DRAIN OVER CURB TO PREVENT PONDING WATER, UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS AT CONNECTIONS TO EXISTING PAVEMENT AND CURB.

UTILITY NOTES:

- 1. THE CONTRACTOR SHALL INSTALL WATER AND SEWER LINES SO AS TO AVOID CONFLICTS WITH OTHER UTILITIES. WATER AND SANITARY SEWER THAT ARE PUBLIC OR CROSS PUBLIC WATER/SANITARY SEWER SHALL MAINTAIN SEPARATIONS PER TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) OR CITY REGULATIONS (WHICHEVER IS MORE STRINGENT). PRIVATE WATER AND SANITARY SEWER LINES MUST FOLLOW INTERNATIONAL PLUMBING CODE AND/OR AHJ (WHICHEVER IS MORE STRINGENT)
2. THE CONTRACTOR SHALL INSTALL ALL GRAVITY LINES (SANITARY SEWER, STORM SEWER AND FRENCH DRAINS) BEFORE INSTALLATION OF WATER LINES AND APPURTENANCES.
3. IF GROUNDWATER IS ENCOUNTERED WHEN LAYING UTILITY LINES, 3/4" WASHED ROCK MUST BE PLACED 6" BELOW AND 6" ABOVE THE UTILITY LINE.
4. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE APPLICABLE CITY'S PUBLIC WORKS DEPARTMENT, BUILDING INSPECTIONS AND SHALL COORDINATE WITH CITY PRIOR TO CONNECTING TO EXISTING PUBLIC UTILITIES.
5. THE CONTRACTOR SHALL COORDINATE INSPECTION AND TESTING ON ALL UTILITIES WITH THE APPROPRIATE AUTHORITIES PRIOR TO BEGINNING CONSTRUCTION.
6. ALL FIRE PROTECTION WORK MUST BE PERMITTED AND APPROVED BY THE APPLICABLE CITY'S FIRE DEPARTMENT.
7. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL VALVE BOXES, HYDRANTS, SEWER CLEAN OUTS AND MANHOLE RIMS TO FINAL GRADE.
8. CONTRACTOR TO COORDINATE FINAL LOCATION OF ELECTRIC, TELEPHONE, AND GAS SERVICE WITH EACH RESPECTIVE UTILITY COMPANY, AND SHALL INCLUDE ALL ASSOCIATED COSTS IN BID.
9. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ON-SITE POWER POLES AS REQUIRED TO COMPLETE THE WORK.
10. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL REFERENCE MEP PLANS FOR ACTUAL BUILDING SERVICE SUB-OUT LOCATIONS.
11. IN THE EVENT THAT EXISTING UTILITIES SUCH AS WATER, GAS, TELEPHONE, ELECTRIC, ETC., MUST BE TAKEN OUT OF SERVICE TO FACILITATE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES TO THE SATISFACTION OF THE OWNER.
12. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN AREAS ADJACENT TO GAS LINES, UNDERGROUND ELECTRIC CABLE, FIBER OPTIC CABLE AND UNDERGROUND TELEPHONE CABLE.
13. WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THE RESPECTIVE UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING OR REPAIRING THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS. THE CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
14. ALL WATER LINES 4" DIAMETER AND LARGER SHALL BE PVC PIPE CONFORMING TO AWWA STANDARD C900 DR-18 MINIMUM CLASS 150 PVC, WITH NSF SEAL, PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE NCTCOG STANDARD SPECIFICATIONS. SERVICE LINE CONNECTORS SHALL BE COMPRESSION-TYPE WITH STAINLESS STEEL TUBE LINERS. WATER PIPE MATERIALS TO BE USED ON THIS PROJECT, UNLESS NOTED OTHERWISE, ARE PVC, CLASS 150, DR-18, AWWA C900.
15. CORPORATION STOPS SHOULD BE TESTED FOR LEAKAGE AND FULL FLOW WHEN SYSTEM IS PRESSURE TESTED.
16. WATER AND SANITARY SEWER LINES SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOWEVER, FIELD ADJUSTMENTS APPROVED BY THE ENGINEER MAY BE MADE TO LESSEN DAMAGE TO THE ROAD PAVEMENT OR WHEN OTHER UTILITY LOCATIONS, TREES, OR STRUCTURES WARRANT SUCH AN ADJUSTMENT.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISINFECTION, CHLORINATION AND FLUSHING REQUIREMENTS. THIS SHALL INCLUDE PROVIDING TEMPORARY ISOLATION VALVES, PLUGS, INJECTION PORTS, FLUSHING VALVES, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE TASK. THE CONTRACTOR SHALL CONTACT THE WATER UTILITY 48 HOURS PRIOR TO FLUSHING OF WATER LINES.
18. ALL WATER LINE FITTINGS ARE TO BE DUCTILE IRON MECHANICALLY RESTRAINED FITTINGS.
19. HORIZONTAL BLOCKING HAS BEEN OMITTED FOR CLARITY. HOWEVER, BLOCKING SHALL BE CONSTRUCTED PER NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARDS AND MUST BE IN ACCORDANCE WITH APPLICABLE CITY'S DETAILS. CONCRETE BLOCKING SHALL BE PLACED AT ALL VALVES, BENDS, TEES AND PLUGS. DO NOT COVER BOLTS, FITTINGS, BELLS, OR FLANGES WITH CONCRETE. ANY EXISTING THRUST BLOCKS OR RESTRAINTS SHALL BE REMOVED BY THE UTILITY CONTRACTOR TO ALLOW HIS WORK TO PROCEED. THE REPLACEMENT, WHERE REQUIRED, SHALL BE AT THE CONTRACTOR'S EXPENSE.
20. TOP OF WATER LINES (DOMESTIC AND FIRE) SHALL BE INSTALLED WITH A MINIMUM COVER OF 42 INCHES, UNLESS NOTED OTHERWISE. IN THE EVENT THAT MINIMUM COVER CANNOT BE ACHIEVED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
21. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM DRAIN PIPING, THE CONTRACTOR SHALL ADJUST THE WATER LINE DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.
22. CONTRACTOR SHALL CONDUCT A PRESSURE TEST ON ALL FIRE PROTECTION LINES TO THE SATISFACTION OF THE APPLICABLE CITY'S FIRE MARSHAL.
23. ALL VALVES AT THE END OF A LINE SHALL BE PLUGGED AND BLOCKED.
24. FIRE HYDRANTS SHALL BE LOCATED IN ACCORDANCE WITH CURRENTLY PUBLISHED CITY DESIGN STANDARDS.
25. FIRE HYDRANT ASSEMBLY BID ITEMS WILL INCLUDE THE FIRE HYDRANT, THE PIPE EXTENSION FROM THE TEE, AND ALL NECESSARY FITTINGS INCLUDING THE 6" GATE VALVE AND BOX. ALL VALVES AND FIRE HYDRANTS SHALL BE PER CITY SPECIFICATIONS.
26. UPON COMPLETION OF SANITARY SEWER LINE CONSTRUCTION, THE CONTRACTOR SHALL HAVE THE LINES TESTED, INCLUDING MANDEREL TEST, AIR TEST, AND A T.V. INSPECTION AT NO ADDITIONAL COST TO THE OWNER.

- 27. CONTRACTOR SHALL FOLLOW BUILDING INSPECTION RULES REGARDING THE MATERIALS AND INSTALLATION OF THE PRIVATE WATER AND SANITARY SEWER LINES.
28. SANITARY SEWER PIPE MATERIALS TO BE USED ON THIS PROJECT, UNLESS NOTED OTHERWISE, ARE SDR-35 PVC, USE SDR-26 WHERE DEPTHS EXCEED 12' OR WHERE SEWER PIPE IS LESS THAN 10' HORIZONTALLY FROM WATER PIPE. ALL SANITARY SEWER PIPE AND FITTINGS SHALL CONFORM TO ASTM D3034. REFER TO CITY SPECIFICATIONS FOR UTILITY CROSSING REQUIREMENTS.
29. TRENCH BACKFILL COMPACTION SHALL BE TESTED AT THE RATE OF ONE (1) TEST PER 100 LINEAR FEET PER 12 INCH LIFT (LOOSE). TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER TEST LOCATION OF PREVIOUS LIFT.
30. WHERE CONNECTING DISTANCE BETWEEN MANHOLES EXCEEDS 100 FEET, A MINIMUM OF TWO (2) TESTS PER LIFT, AS OUTLINED IN NOTE #29, SHALL BE REQUIRED.
31. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND FEES INCURRED IN THE INSTALLATION OF UTILITIES.
32. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TO 95% STANDARD PROCTOR IN AREAS EXCAVATED AT THE BUILDING FOOTINGS FOR UTILITY SERVICE ENTRIES.
33. CONTRACTOR SHALL VERIFY ALL THE COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTALLY AND VERTICALLY. ANY DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED TO THE ENGINEER FOR RECONCILIATION.
34. CONTRACTOR SHALL USE OSHA APPROVED CONFINED SPACE ENTRY PROCEDURES WHEN ENTERING SANITARY SEWER MANHOLES. THE SAFETY EQUIPMENT SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE OSHA CERTIFIED. PERSONS WORKING IN THESE AREAS SHALL BE TRAINED IN THE PROPER USE OF THE SAFETY EQUIPMENT.

PAVING NOTES:

- 1. THE CONTRACTOR SHALL PROVIDE A FULL DEPTH SAW-CUT AND SMOOTH TRANSITION AT CONNECTIONS TO EXISTING PAVEMENT AND CURB.
2. THE CONTRACTOR SHALL BACKFILL ALL CURBS WITHIN 48 TO 72 HOURS OF PLACEMENT.
3. ALL SIDEWALKS, ACCESSIBLE PATHS, AND PARKING SHALL CONFORM TO THE A.D.A. SPECIFICATIONS AS STATED IN THE TEXAS ACCESSIBILITY STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE BEFORE CONSTRUCTION.
4. UNLESS SPECIFIED OTHERWISE BY LOCAL FIRE CODE, FIRE APPARATUS ACCESS ROADS (FIRE LANES) SHALL BE MARKED BY PAINTED LINES OF RED TRAFFIC PAINT SIX INCHES (6") IN WIDTH TO SHOW THE BOUNDARIES OF THE LANE. THE WORDS "NO PARKING FIRE LANE" SHALL APPEAR IN FOUR INCH (4") WHITE LETTERS AT 25 FEET INTERVALS ON THE RED BORDER MARKINGS ALONG BOTH SIDES OF THE FIRE LANE. WHERE A CURB IS AVAILABLE, THE STRIPING SHALL BE ON THE VERTICAL FACE OF THE CURB.
5. THE CONTRACTOR SHALL NOT STAND, PARK, DRIVE ON, OR IN ANY WAY DISTURB OR DAMAGE STEEL REINFORCING FOR SITE WORK. ALL REINFORCING SHALL BE INSTALLED WITH CHAIRS PER THE PLANS AND SPECIFICATIONS.
6. SUBGRADE SHALL BE MAINTAINED TO WITHIN THE SPECIFIED REQUIREMENTS OF MOISTURE AND DENSITY UNTIL PAVING IS PLACED. PRIOR TO PLACING PAVEMENT, THE CONTRACTOR SHALL RE-TEST THE AREAS SELECTED BY THE CONSTRUCTION MATERIALS TESTING LAB PERSONNEL AT THE CONTRACTOR'S EXPENSE OR IF REQUESTED BY THE OWNER, ARCHITECT OR ENGINEER, AND IF THE SUBGRADE HAS BEEN PLACED AND ACCEPTED FOR LONGER THAN TEN (10) DAYS AND NO PAVEMENT HAS BEEN CONSTRUCTED.
7. PAVING CONTRACTOR TO VERIFY AND COORDINATE THE INSTALLATION OF ALL SLEEVES UNDER PAVEMENT FOR THE IRRIGATION SYSTEM, IRRIGATION CONTROLS, ELECTRICAL, EXTERIOR SITE LIGHTING AND SIGNAGE, ETC. PRIOR TO THE PLACEMENT OF PAVING.
8. ALL EXPANSION JOINTS SHALL BE CONSTRUCTED OF REDWOOD OR FIBERBOARD.
9. REFERENCE SITE PLAN FOR PAVING DIMENSIONS AND LAYOUT.
10. CONNECTION OF THE PROPOSED SIDEWALK TO EXISTING PAVING, SIDEWALK, BUILDING, AND WHEELCHAIR RAMPS SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE CONSTRUCTION OF THE SIDEWALK.
11. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
12. RADIAL JOINTS SHALL BE NO SHORTER THAN 1.5'.
13. CONTRACTOR SHALL AVOID CONSTRUCTING IRREGULAR SHAPED PANELS. AN IRREGULAR SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE, WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1, OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.

HAYS COUNTY GENERAL NOTES:

- 1. SEVENTY-TWO (72) HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION, THE DEVELOPER SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH ALL PERTINENT PARTIES.
2. ALL ROADWAY AND DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH HAYS COUNTY SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS FROM HAYS COUNTY ROAD AND BRIDGE DEPARTMENT PRIOR TO BEGINNING ANY ON-SITE CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING THE NECESSARY INSPECTIONS FROM THE HAYS COUNTY ROAD AND BRIDGE DEPARTMENT. ALL REPAIRS TO IMPROVEMENTS CAUSED BY CONTRACTOR'S FAILURE TO INSTALL IMPROVEMENTS IN ACCORDANCE WITH HAYS COUNTY SPECIFICATIONS AND THESE CONSTRUCTION PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. HAYS COUNTY TRANSPORTATION DEPARTMENT'S ACCEPTANCE OF THE IMPROVEMENTS ARE CONTINGENT ON REPAIRS BEING MADE TO HAYS COUNTY'S SATISFACTION. DELAYS CAUSED BY REPAIRS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. A MINIMUM OF TWO (2) BENCHMARKS SHALL BE SHOWN ON THE CONSTRUCTION PLANS.
4. ALL BEDDING MATERIALS USED WITHIN THE ROW SHALL COMPLY WITH COA ITEM 510.
5. ALL CONCRETE PLACED WITHIN THE ROW SHALL BE A MINIMUM OF CLASS A. THE USE OF REBAR CHAIRS AND TESTS CYLINDERS WILL BE REQUIRED ON PCC VALLEY GUTTER PLACEMENTS.
6. THE PROPOSED FULLY DEVELOPED STORMWATER RUNOFF RATE CANNOT EXCEED EXISTING CONDITIONS RUNOFF RATE.
7. DEWATERING OPERATIONS MUST USE SWPPP-SPECIFIED METHODS ONLY. IF SUCH METHODS ARE ONLY GENERAL OR NOT APPLICABLE, PUMP FROM THE TOP OF THE POOL (RATHER THAN THE BOTTOM) AND DISCHARGE TO A VEGETATED, UPLAND AREA (AWAY FROM WATERBODIES OR DRAINAGES) OR USE ANOTHER TYPE OF FILTRATION PRIOR TO DISCHARGE. REFER TO THE EPA 2017 GENERAL CONSTRUCTION PERMIT, SECTION 2.4, AS APPLICABLE.
8. THE CONTRACTOR SHALL SUPPLY QUALIFIED PERSONNEL TO PERFORM SWPPP INSPECTIONS ON PROJECT = 1 ACRE. QUALIFIED PERSONNEL SHALL HAVE CISEG, CESSM, OR EQUIVALENT CERTIFICATION APPROVED BY THE MSA.
9. CONTRACTOR SHALL ENSURE THAT MUD AND DEBRIS TRACKED ONTO PUBLICLY MAINTAINED ROADWAYS FROM VEHICLES LEAVING THE CONSTRUCTION SITE WILL BE CLEANED UP DAILY.
10. NO EXPLOSIVES SHALL BE USED FOR THIS PROJECT WITHOUT TCEQ APPROVAL.
11. ALL HOLES, TRENCHES AND OTHER HAZARDOUS AREAS SHALL BE ADEQUATELY PROTECTED BY BARRICADES, FENCING, LIGHTS AND/OR OTHER PROTECTIVE DEVICES IN COMPLIANCE WITH COA 509S AND OSHA REGULATIONS AT ALL TIMES.
12. THE CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN PREPARED AND SEALED BY AN ENGINEER LICENSED BY THE STATE OF TEXAS PRIOR TO THE START OF THE PROJECT. THE CONTRACTOR SHALL ASSIGN A COMPETENT PERSON THAT HAS BEEN PROPERLY TRAINED AND IS QUALIFIED TO MAKE INSPECTIONS AND SUPERVISE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE TRENCH SAFETY OR EXCAVATION SAFETY SYSTEM.
13. HAYS COUNTY IS NOT RESPONSIBLE FOR SIDEWALK MAINTENANCE. A FULLY EXECUTED LICENSE AGREEMENT MUST BE IN-PLACE PRIOR TO CONSTRUCTION OF SIDEWALKS WITHIN HAYS COUNTY ROW.
14. CONTRACTOR SHALL COMPLY WITH CONSTRUCTION SEQUENCING WHICH MAY BE SPECIFIED SOMEWHERE IN THE CONSTRUCTION PLANS.
15. PERMIT IS REQUIRED FOR CONSTRUCTION IN "RIGHT OF WAY". ORDINANCE 7.10. NO DRIVEWAY, UTILITY CONSTRUCTION, MAILBOXES, LANDSCAPING OR ANY OTHER ENCROACHMENT INTO RIGHT-OF-WAY OR EASEMENT SHALL BE ALLOWED WITHOUT FIRST OBTAINING A PERMIT FROM THE HAYS COUNTY ROAD AND BRIDGE DEPARTMENT.
16. PRIOR TO THE INSTALLATION OF ANY ROAD BUILDING MATERIAL THE SUBGRADE SHALL BE INSPECTED BY HAYS COUNTY. PRIOR TO PAVING, BASE MATERIAL SHALL BE INSPECTED BY HAYS COUNTY. THE OWNER OR HIS AGENT SHALL NOTIFY HAYS COUNTY FORTY-EIGHT (48) HOURS PRIOR TO THE TIME WHEN THE INSPECTION IS NEEDED -ORDINANCE 1.05: 2.06.
17. ALL OUTFALLS CONSTRUCTED WITHIN HAYS COUNTY MUST BE SUBMITTED TO HAYS COUNTY WITH GPS COORDINATES AT THE END OF EACH PROJECT. COORDINATES WILL BE SUBMITTED ON THE NAD 1983 STATE PLANE SOUTH CENTRAL FIPS 4204 FEET COORDINATE SYSTEM. ALL COORDINATES WILL BE SUBMITTED IN GRID UNITS. THE REQUIRED FILE TYPE FOR COORDINATE DATA SUBMISSIONS IS *.TXT FORMAT.
18. AT THE TIME A FINAL INSPECTION AND RELEASE OF PERFORMANCE SECURITY IS REQUESTED; THE DESIGN ENGINEER SHALL PROVIDE A COMPLETE SET OF "AS-BUILT" RECORD DRAWINGS IN PDF FORMAT (300DPI) ON A VIRUS FREE DISK AND SHALL CERTIFY THAT ALL ROAD AND DRAINAGE CONSTRUCTION HAS BEEN COMPLETED IN SUBSTANTIAL ACCORDANCE WITH PREVIOUSLY APPROVED PLANS AND SPECIFICATIONS, EXCEPT AS NOTED.
NO PERFORMANCE SECURITY WILL BE RELEASED WITHOUT THESE EXHIBITS.

Table with columns: NO., DATE, DESCRIPTION, REVISIONS.

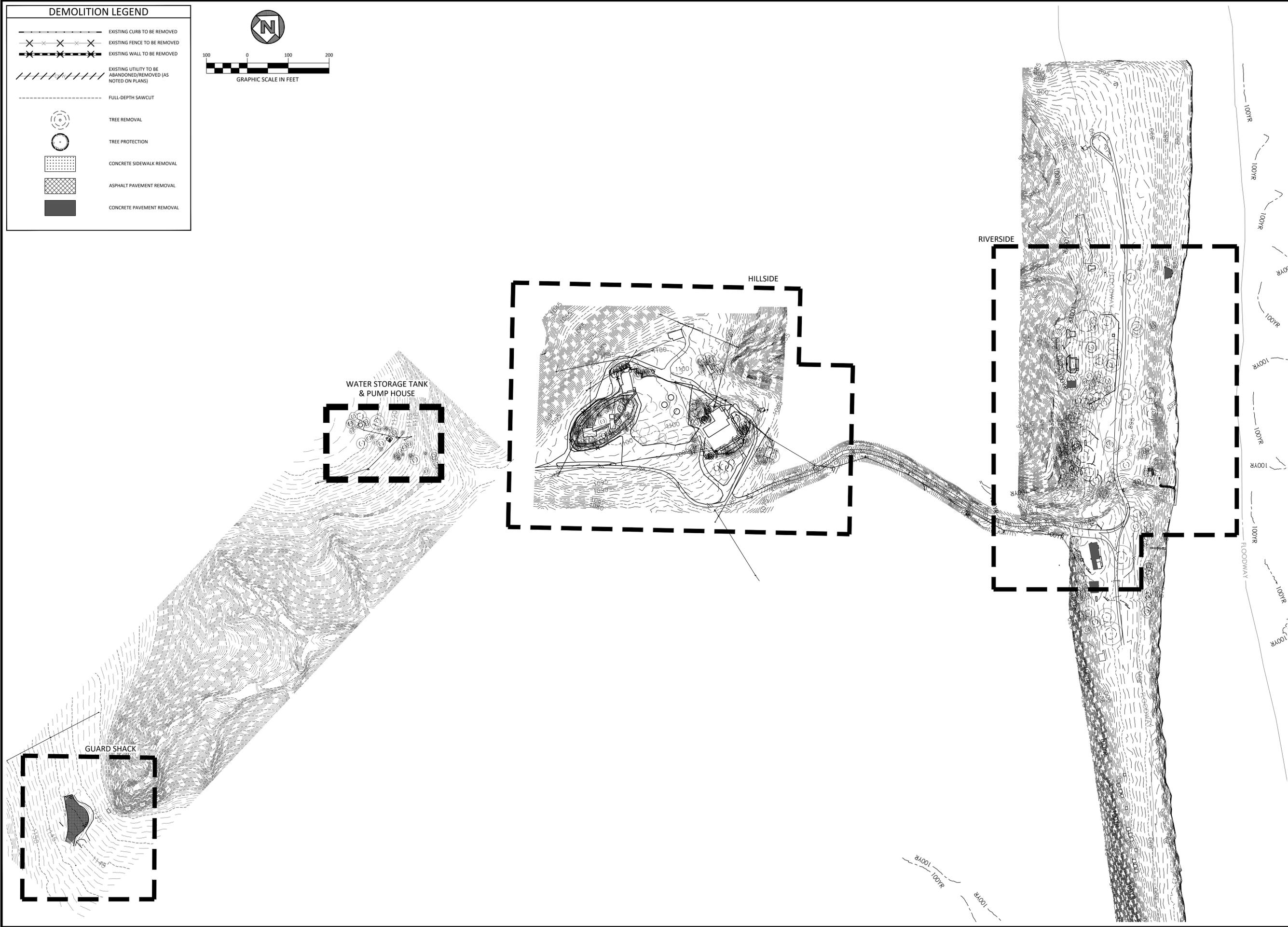
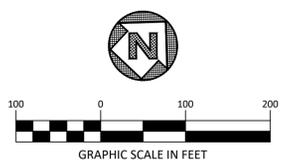
GENERAL NOTES
SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32, FISCHER, TX 78623
DUNAWAY
5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
(TX REG. #41141)

Professional Engineer Seal for Michael C. Mullone, License No. 127850, State of Texas. Includes job information: JOB NO. 12076.001, DESIGNED BY: MM, DRAWN BY: NDC, CHECKED BY: MM, DATE: 08/04/2025, SHEET: C1.00.

FILE PATH: P:\31000\021076\F001\DWG\010410.PDF (Sheet) C:\DWG

DEMOLITION LEGEND

- EXISTING CURB TO BE REMOVED
- EXISTING FENCE TO BE REMOVED
- EXISTING WALL TO BE REMOVED
- EXISTING UTILITY TO BE ABANDONED/REMOVED (AS NOTED ON PLANS)
- FULL-DEPTH SAWCUT
- TREE REMOVAL
- TREE PROTECTION
- CONCRETE SIDEWALK REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL



REVISIONS		DESCRIPTION
NO.	DATE	

DEMOLITION PLAN - OVERALL

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

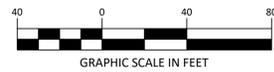
**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

STATE OF TEXAS
 MICHAEL C. MULLIGNE
 127850
 LICENSED PROFESSIONAL ENGINEER
 09/18/2025
Mike Mulligan

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C3.00

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 PLOT TIME: 10:50 AM

FLOODWAY

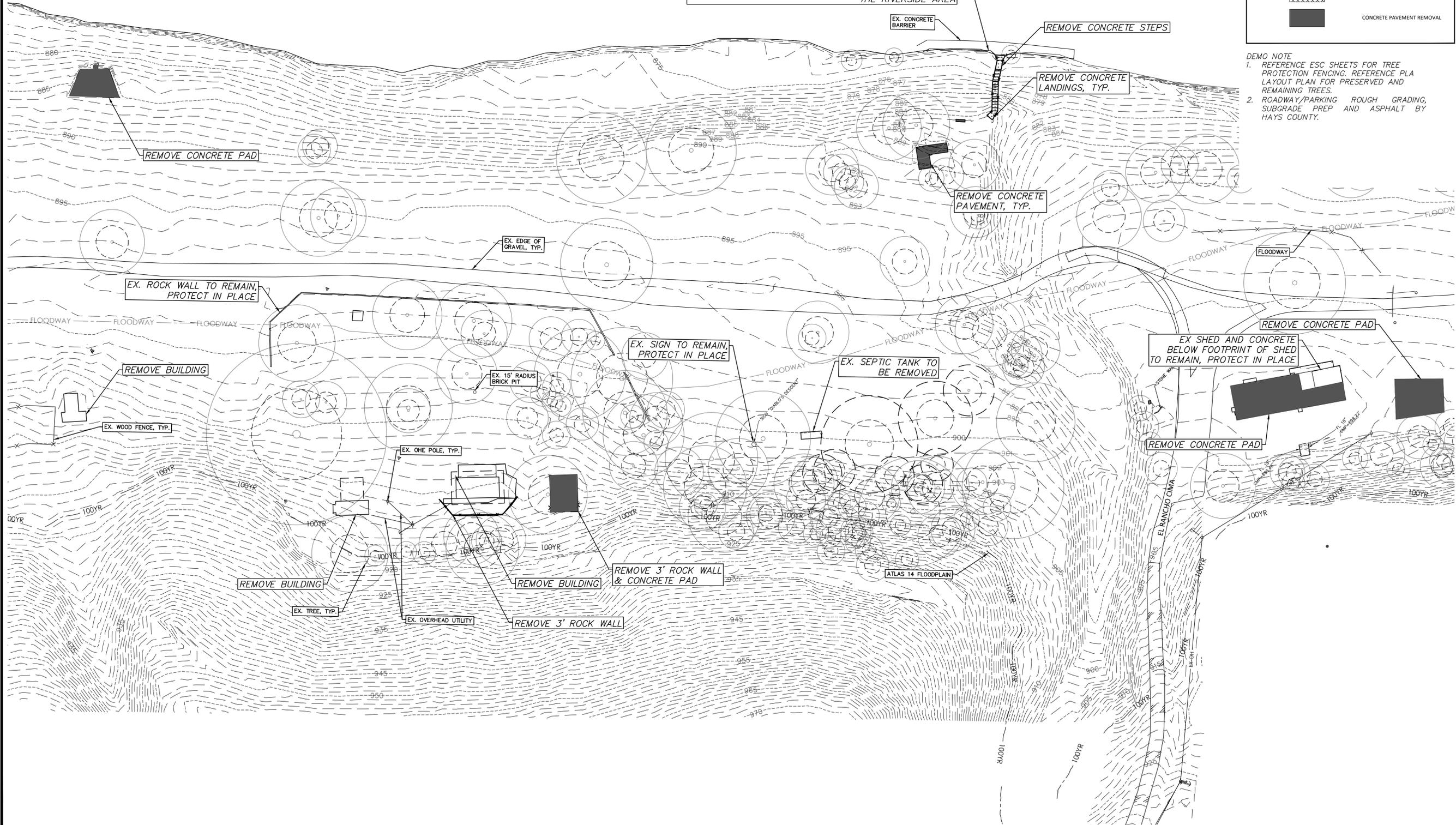


BLANCO RIVER

PROTECT CONCRETE WALL. NO HEAVY EQUIPMENT TO BE LOCATED WITHIN 10' OF CONCRETE WALL. CONTRACTOR TO PROVIDE DEMO PLAN FOR CONSTRUCTION NEAR CONCRETE WALL TO CIVIL ENGINEER FOR REVIEW, PRIOR TO ANY DEMOLITION OR CONSTRUCTION PERFORMED IN THE RIVERSIDE AREA

DEMOLITION LEGEND	
	EXISTING CURB TO BE REMOVED
	EXISTING FENCE TO BE REMOVED
	EXISTING WALL TO BE REMOVED
	EXISTING UTILITY TO BE ABANDONED/REMOVED (AS NOTED ON PLANS)
	FULL-DEPTH SAWCUT
	TREE REMOVAL
	TREE PROTECTION
	CONCRETE SIDEWALK REMOVAL
	ASPHALT PAVEMENT REMOVAL
	CONCRETE PAVEMENT REMOVAL

DEMO NOTE
 1. REFERENCE ESC SHEETS FOR TREE PROTECTION FENCING, REFERENCE PLA LAYOUT PLAN FOR PRESERVED AND REMAINING TREES.
 2. ROADWAY/PARKING ROUGH GRADING, SUBGRADE PREP AND ASPHALT BY HAYS COUNTY.



REVISIONS	
NO.	DESCRIPTION

DEMOLITION PLAN - RIVERSIDE

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #1114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

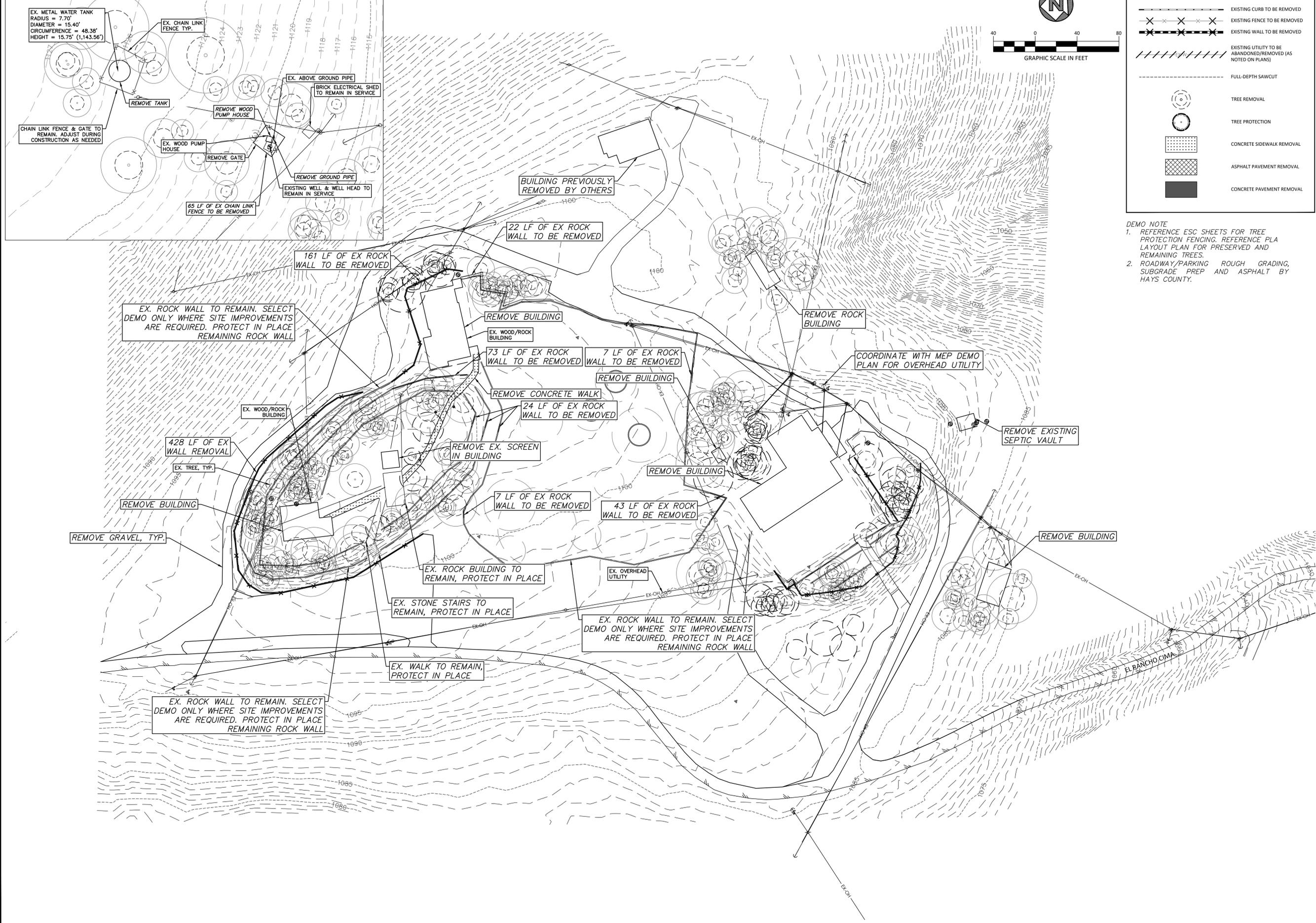
09/18/2025
Michael Mullone

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET: **C3.01**

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 PLOT TIME: 10:50:00 AM

WATER STORAGE TANK & PUMP HOUSE



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	EXISTING FENCE TO BE REMOVED
	EXISTING WALL TO BE REMOVED
	EXISTING UTILITY TO BE ABANDONED/REMOVED (AS NOTED ON PLANS)
	FULL-DEPTH SAWCUT
	TREE REMOVAL
	TREE PROTECTION
	CONCRETE SIDEWALK REMOVAL
	ASPHALT PAVEMENT REMOVAL
	CONCRETE PAVEMENT REMOVAL

DEMO NOTE

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- ROADWAY/PARKING ROUGH GRADING, SUBGRADE PREP AND ASPHALT BY HAYS COUNTY.

NO.	DATE	DESCRIPTION

DEMOLITION PLAN - HILLSIDE

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

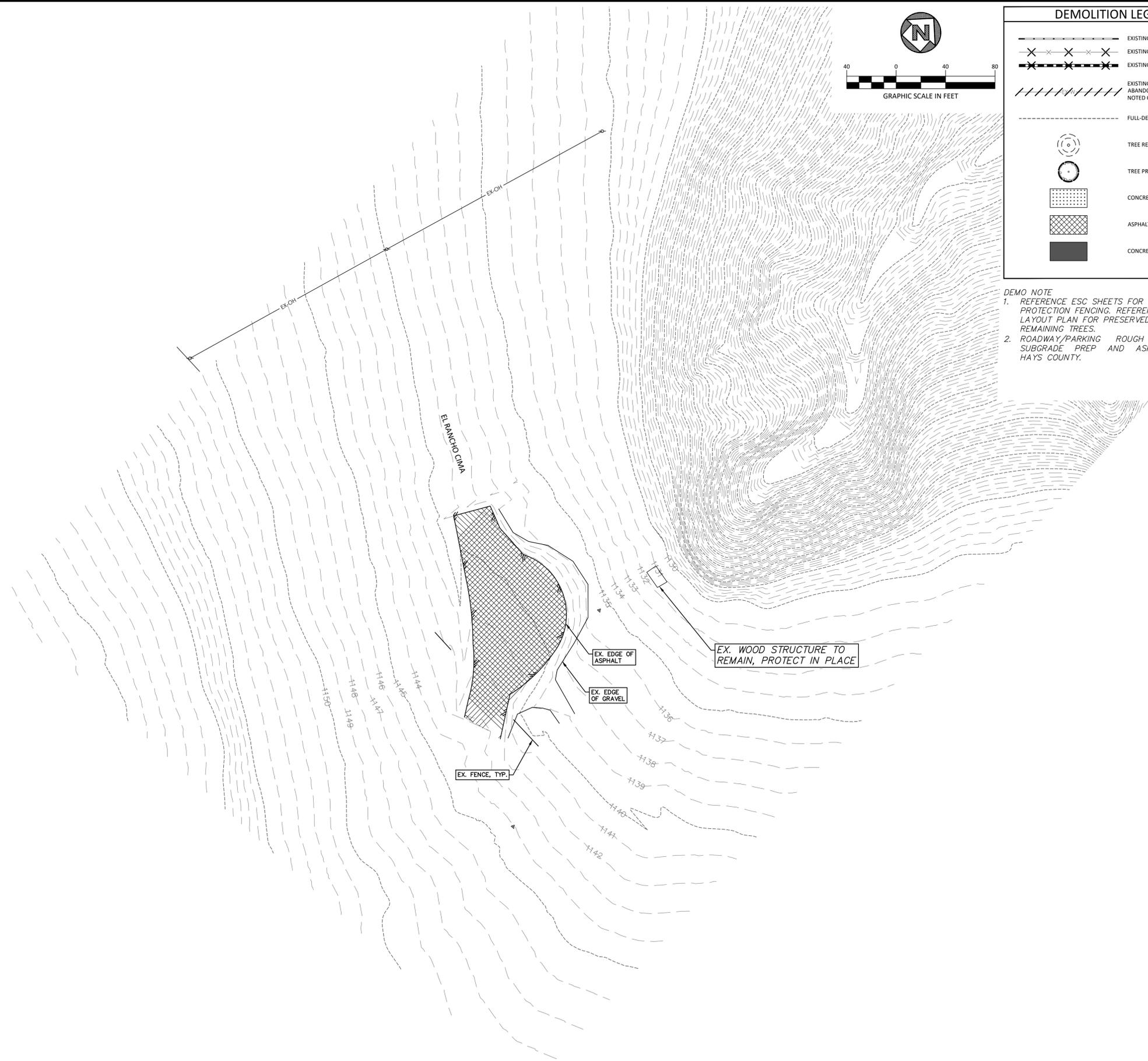
STATE OF TEXAS
 MICHAEL C. MULLONE
 127850
 PROFESSIONAL ENGINEER
 09/18/2025
Michael Mullone

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C3.02

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PLOTTED ON: Thursday, September 18, 2025



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	EXISTING WALL TO BE REMOVED
	EXISTING UTILITY TO BE ABANDONED/REMOVED (AS NOTED ON PLANS)
	FULL-DEPTH SAWCUT
	TREE REMOVAL
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	CONCRETE SIDEWALK REMOVAL
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	CONCRETE PAVEMENT REMOVAL

DEMO NOTE
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 2. ROADWAY/PARKING ROUGH GRADING, SUBGRADE PREP AND ASPHALT BY HAYS COUNTY.

REVISIONS	
NO.	DESCRIPTION

DEMOLITION PLAN - GUARD SHACK

SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623

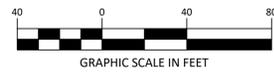
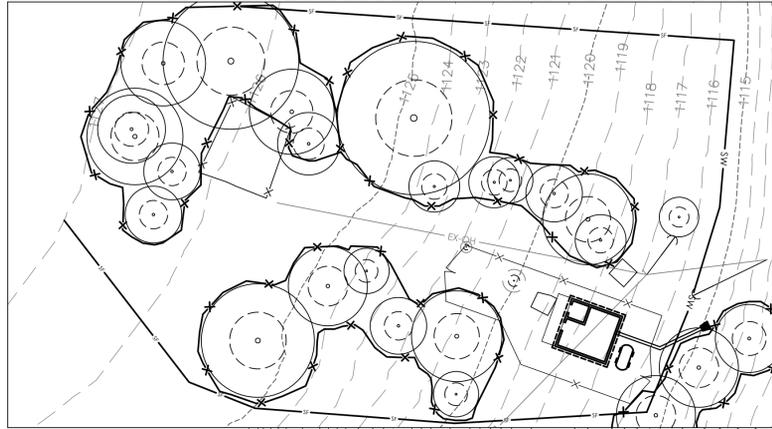
5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
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09/18/2025
Michael Mullone

JOB NO.	12076.001
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DATE:	08/04/2025

SHEET: **C3.03**

WATER STORAGE TANK & PUMP HOUSE



EROSION CONTROL LEGEND	
	PROPERTY BOUNDARY
	LIMITS OF CONSTRUCTION
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SURFACE FLOW
	PROPOSED SILT FENCE
	PROPOSED CONTROL LOG
	PROPOSED TRIANGULAR SEDIMENT FILTER DIKE
	PROPOSED MULCH SOCK
	PROPOSED TREE PROTECTION
	PROPOSED ROCK BERM
	PROPOSED INLET PROTECTION
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED STAGING, SPOILS AND CONCRETE WASHOUT AREA

ESC NOTE
 1. FOR ALL SLOPES STEEPER THAN 3:1 CONTRACTOR TO UTILIZE TxDOT ITEM 169 CLASS 1 SLOPE PROTECTION.



REVISIONS	
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ESC - HILLSIDE

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
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**SENTINEL PEAK PARK
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STATE OF TEXAS
 MICHAEL G. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER
 09/18/2025

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SHEET:	C4.02

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 PLOTTED ON: Thursday, September 18, 2025



EROSION CONTROL LEGEND

	PROPERTY BOUNDARY
	LIMITS OF CONSTRUCTION
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SURFACE FLOW
	PROPOSED SILT FENCE
	PROPOSED CONTROL LOG
	PROPOSED TRIANGULAR SEDIMENT FILTER DIKE
	PROPOSED MULCH SOCK
	PROPOSED TREE PROTECTION
	PROPOSED ROCK BERM
	PROPOSED INLET PROTECTION
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED STAGING, SPOILS AND CONCRETE WASHOUT AREA

ESC NOTE
 1. FOR ALL SLOPES STEEPER THAN 3:1 CONTRACTOR TO UTILIZE TXDOT ITEM 169 CLASS 1 SLOPE PROTECTION.

REVISIONS	
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ESC - GUARD SHACK

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
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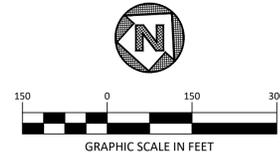
**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH**
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623

STATE OF TEXAS
 MICHAEL C. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER

09/18/2025
Mike Mullone

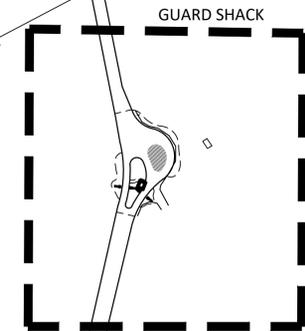
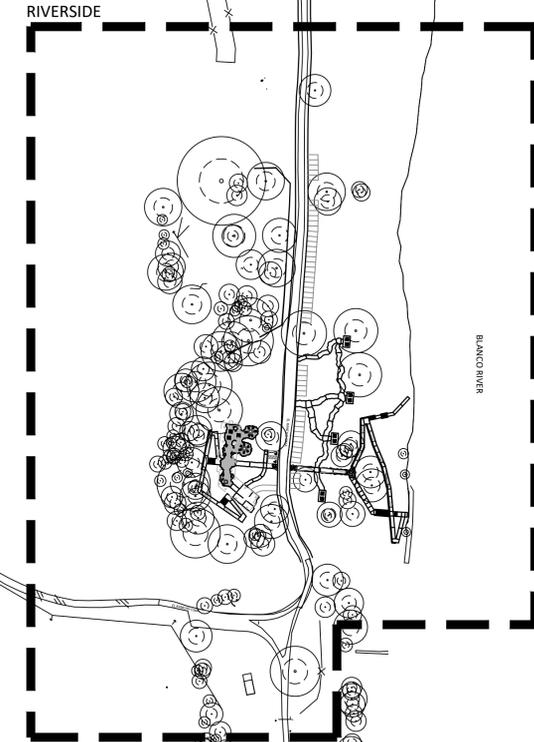
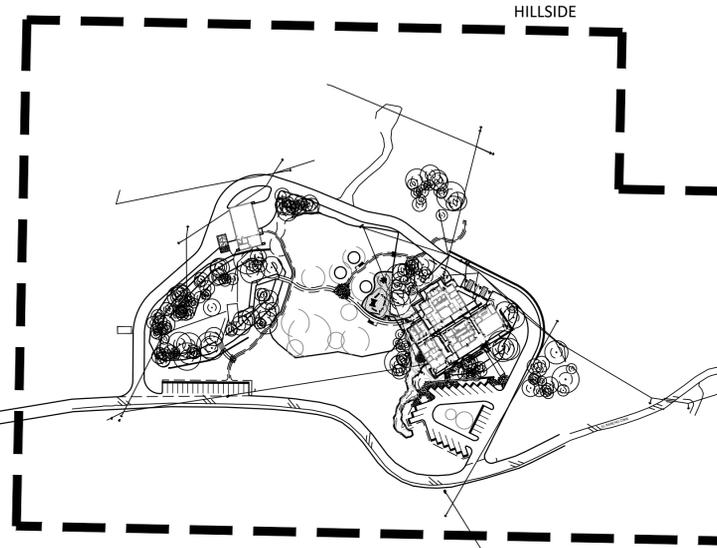
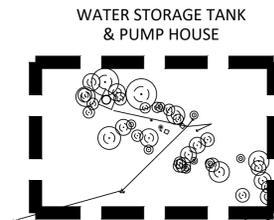
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 DESIGNED BY: MM
 DRAWN BY: NDC
 CHECKED BY: MM
 DATE: 08/04/2025

SHEET: **C4.03**



LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	ROADWAY CENTERLINE
	FIRE LANE
	PROPOSED CURB
	PROPOSED WHEELSTOP
	PROPOSED TRAFFIC SIGN
	PROPOSED CONCRETE RETAINING WALL
	PROPOSED STORM AREA GRATE INLET
	PROPOSED HMAC PAVEMENT
	PROPOSED CONCRETE
	PROPOSED DECOMPOSED GRANITE

- PAVING NOTE**
1. REFERENCE PLA LAYOUT PLAN FOR SIDEWALK DETAILS.
 2. SPAWGLASS TO DEMO CURRENT ASPHALT. SPAWGLASS TO INSTALL SITE ELEMENTS/GUARDSHACK AND PARKING LOT HEADER CURBS.
 3. ROADWAY/PARKING ROUGH GRADING, SUBGRADE PREP, GRANULAR BASE, MOISTURE CONDITION SUBGRADE, AND ASPHALT BY HAYS COUNTY.
 4. 2" HOT ASPHALT OVERLAY TO OCCUR AT COMPLETION OF PROJECT FROM HAYS COUNTY.



REVISIONS	
NO.	DESCRIPTION

PAVING PLAN - OVERALL

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
TX REG. #41141

**SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623**

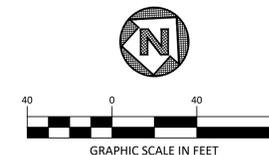
09/18/2025
Michael Mullone

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET: **C5.00**

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 FILENAME: C5.PDF PAVING PLAN.dwg
 PLOTTED ON: Thursday, September 18, 2025

BLANCO RIVER



LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	ROADWAY CENTERLINE
	FIRE LANE
	PROPOSED CURB
	PROPOSED WHEELSTOP
	PROPOSED TRAFFIC SIGN
	PROPOSED CONCRETE RETAINING WALL
	PROPOSED STORM AREA GRATE INLET
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	PROPOSED CONCRETE
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FUTURE PARKING TO BE DETERMINED BASED UPON CONSERVATION EASEMENT APPROVAL

FUTURE PARKING TO BE DETERMINED BASED UPON CONSERVATION EASEMENT APPROVAL

FUTURE PARKING TO BE DETERMINED BASED UPON CONSERVATION EASEMENT APPROVAL

REFERENCE LANDSCAPE SHEETS FOR ROUGH EDGE DETAIL

ADA SPACES BY HAYS COUNTY ROADWAY

PROP. MULTI PURPOSE BUILDING

PROP. STEEL RAMP

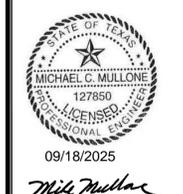
EL RANCHO CIMA ROADWAY CONSTRUCTION BY HAYS COUNTY. CONTRACTOR TO VERIFY PAVING EXTENTS

NO.	DATE	DESCRIPTION

PAVING PLAN - RIVERSIDE



SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
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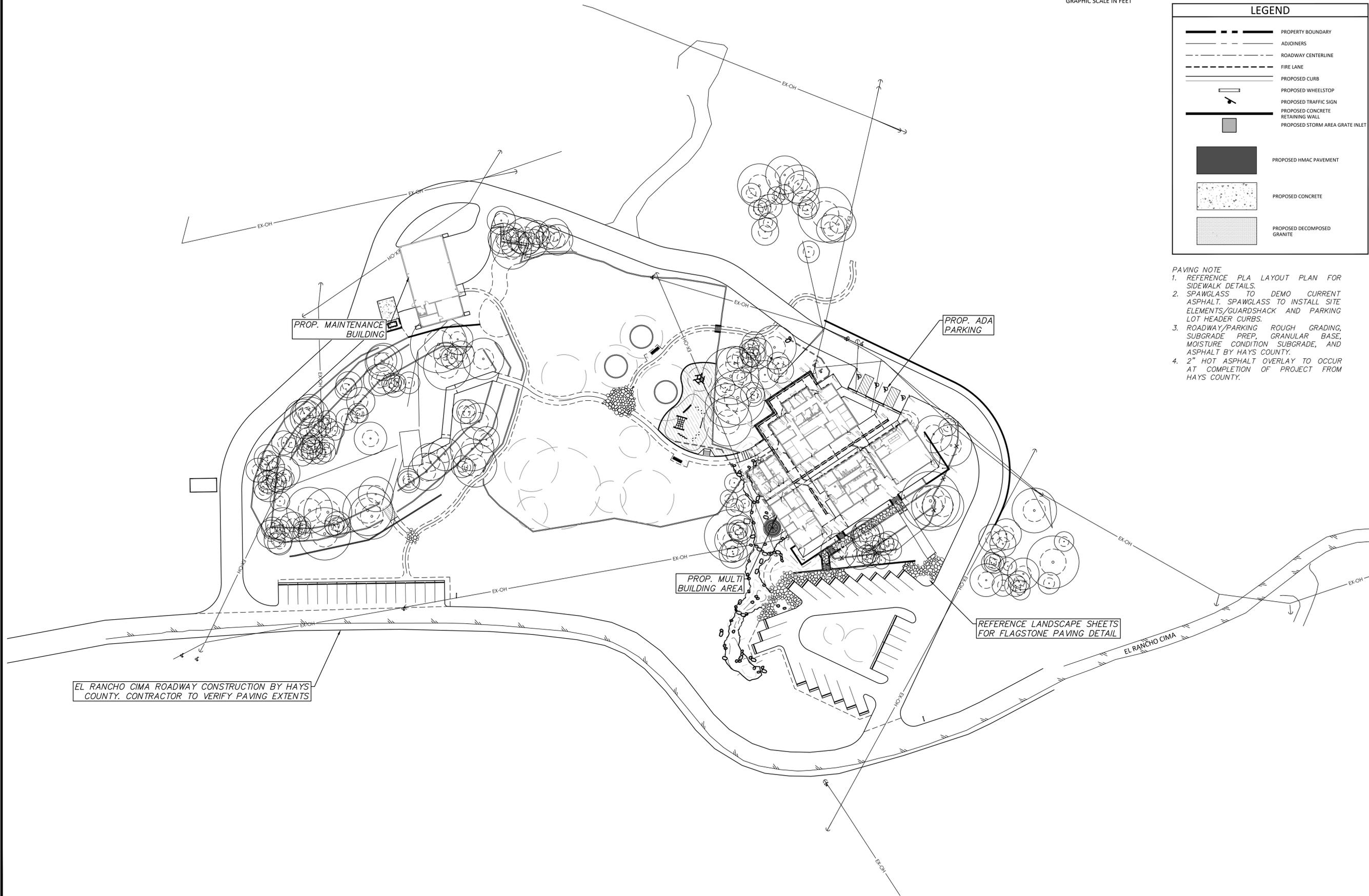
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LEGEND	
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	ADJOINERS
	ROADWAY CENTERLINE
	FIRE LANE
	PROPOSED CURB
	PROPOSED WHEELSTOP
	PROPOSED TRAFFIC SIGN
	PROPOSED CONCRETE RETAINING WALL
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EL RANCHO CIMA ROADWAY CONSTRUCTION BY HAYS COUNTY. CONTRACTOR TO VERIFY PAVING EXTENTS

REVISIONS	
NO.	DESCRIPTION

PAVING PLAN - HILLSIDE

SENTINEL PEAK PARK
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5800 FARM TO MARKET 32,
FISCHER, TX 78623

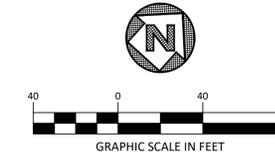
5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
(TX REG. #4114)

09/18/2025
Michael Mullone

JOB NO.	12076.001
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SHEET: **C5.02**

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 PLOT TIME: 11:41:14 AM



LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	ROADWAY CENTERLINE
	FIRE LANE
	PROPOSED CURB
	PROPOSED WHEELSTOP
	PROPOSED TRAFFIC SIGN
	PROPOSED CONCRETE RETAINING WALL
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EL RANCHO CIMA ROADWAY
CONSTRUCTION BY OTHERS. CONTRACTOR
TO VERIFY PAVING EXTENTS

PROP. GUARD SHACK

REVISIONS	
NO.	DESCRIPTION

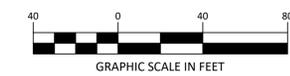
PAVING PLAN - GUARD SHACK

SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623



JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET: **C5.03**



FOCUSED GRADING AREA NEXT SHEET

PROTECT CONCRETE WALL. NO HEAVY EQUIPMENT TO BE LOCATED WITHIN 10' OF CONCRETE WALL. CONTRACTOR TO PROVIDE DEMO PLAN FOR CONSTRUCTION NEAR CONCRETE WALL TO CIVIL ENGINEER FOR REVIEW, PRIOR TO ANY DEMOLITION OR CONSTRUCTION PERFORMED IN THE RIVERSIDE AREA

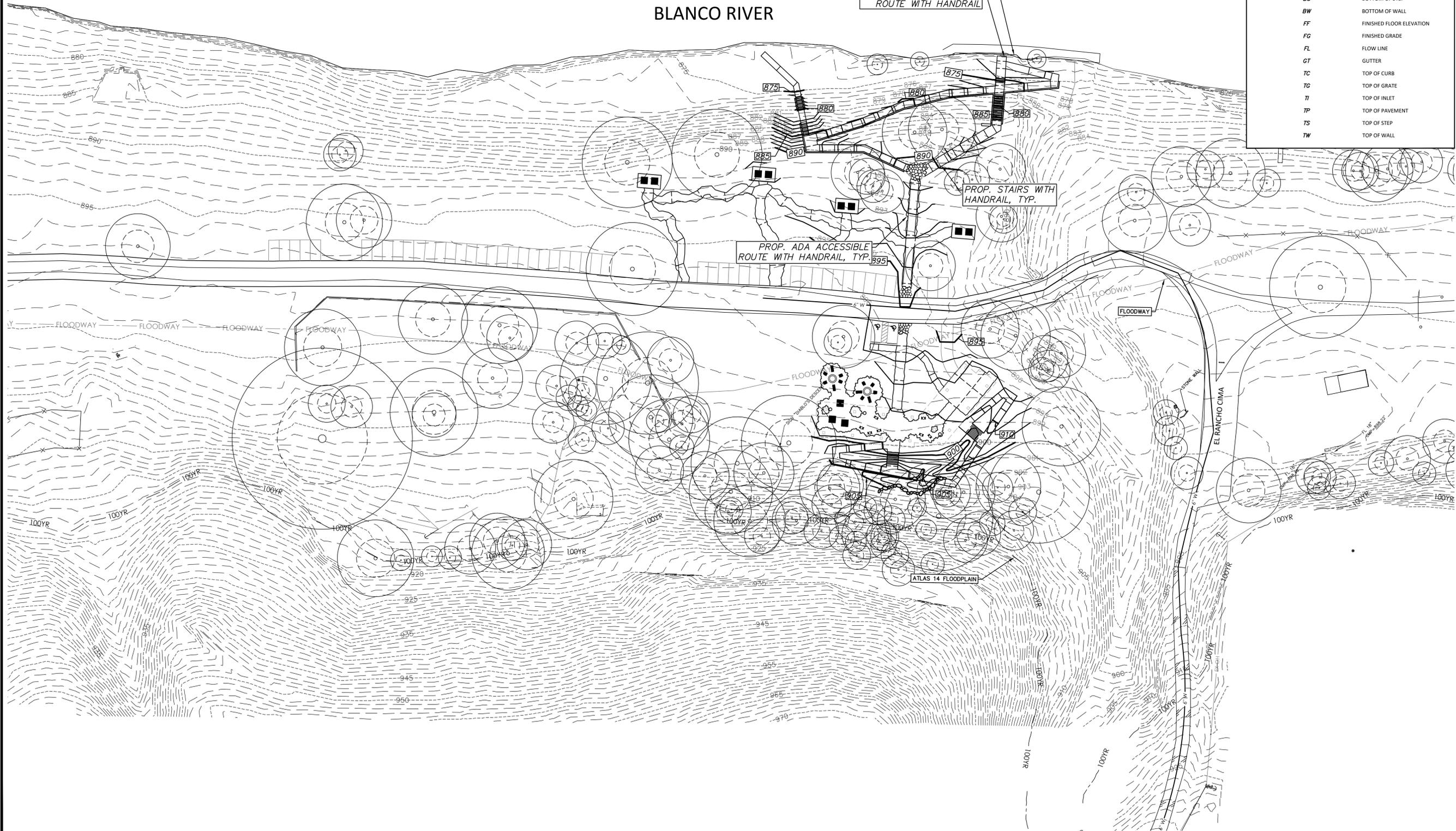
GRADING LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED CONCRETE RETAINING WALL
	EXISTING STORM DRAIN
	EXISTING CURB INLET
	PROPOSED STORM DRAIN
	PROPOSED CURB INLET
	PROPOSED AREA DRAIN
	PROPOSED FLOW ARROW
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
FF	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FL	FLOW LINE
GT	GUTTER
TC	TOP OF CURB
TG	TOP OF GRATE
TI	TOP OF INLET
TP	TOP OF PAVEMENT
TS	TOP OF STEP
TW	TOP OF WALL

BLANCO RIVER

END OF ADA ACCESSIBLE ROUTE WITH HANDRAIL

PROP. STAIRS WITH HANDRAIL, TYP.

PROP. ADA ACCESSIBLE ROUTE WITH HANDRAIL, TYP.

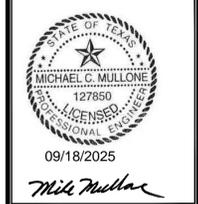


REVISIONS	
NO.	DESCRIPTION

GRADING AND DRAINAGE - RIVERSIDE 1

DUNAWAY
5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
(TX REG. 64114)

SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623

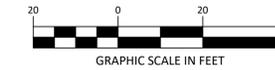


JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C6.01

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PLOT DATE: Thursday, September 18, 2025

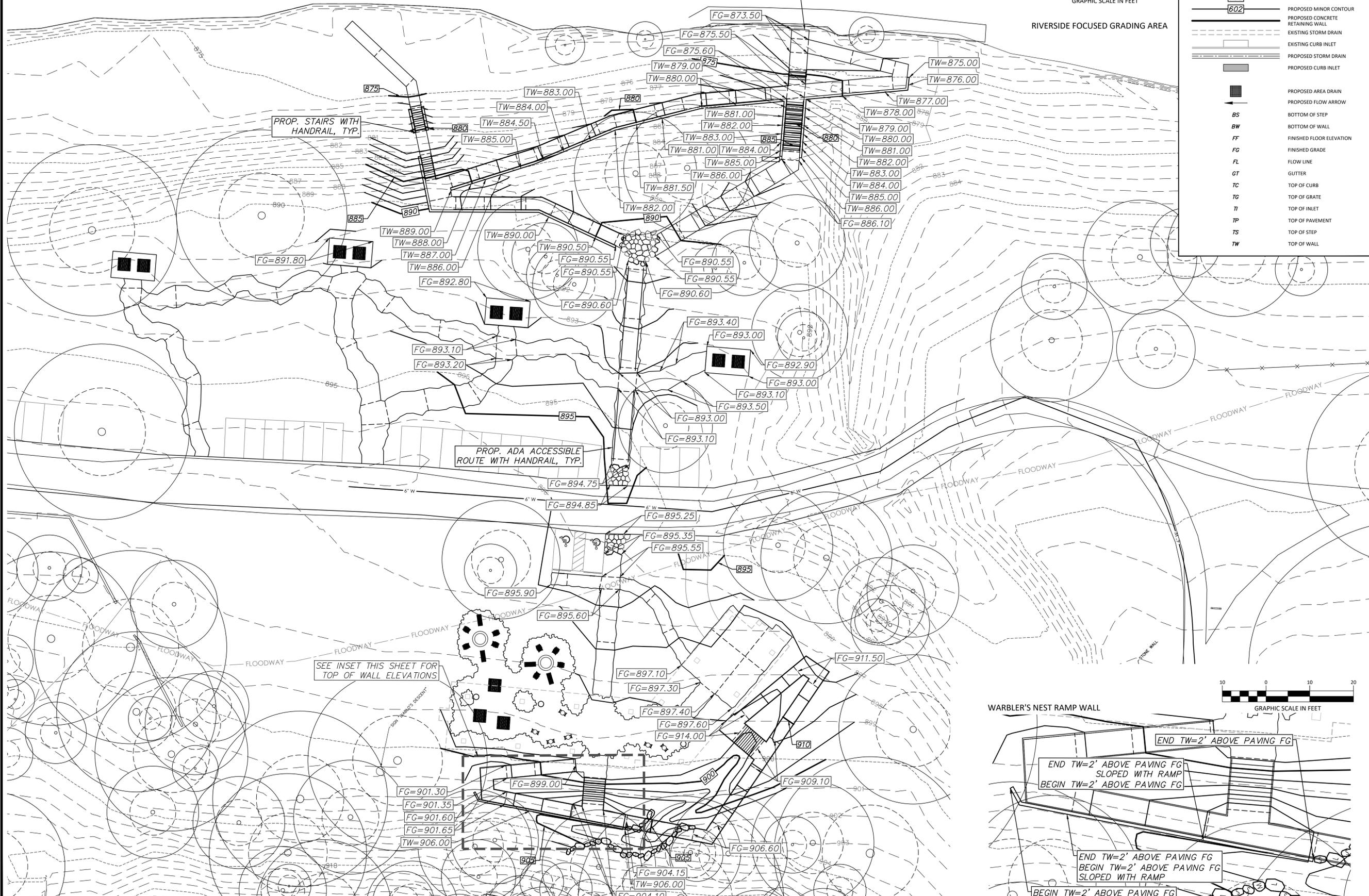
BLANCO RIVER

END OF ADA ACCESSIBLE ROUTE WITH HANDRAIL



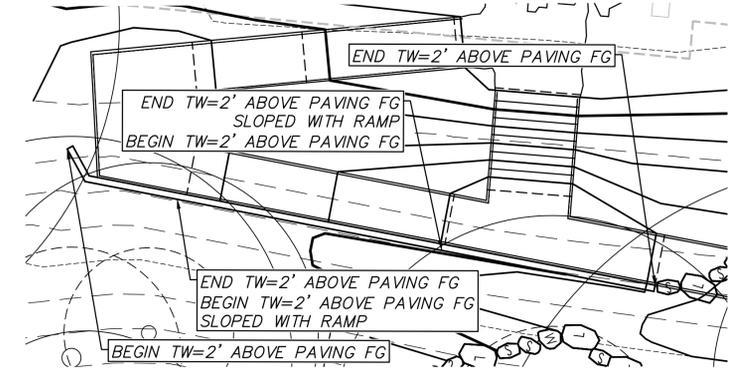
RIVERSIDE FOCUSED GRADING AREA

GRADING LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED CONCRETE RETAINING WALL
	EXISTING STORM DRAIN
	EXISTING CURB INLET
	PROPOSED STORM DRAIN
	PROPOSED CURB INLET
	PROPOSED AREA DRAIN
	PROPOSED FLOW ARROW
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
FF	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FL	FLOW LINE
GT	GUTTER
TC	TOP OF CURB
TG	TOP OF GRATE
TI	TOP OF INLET
TP	TOP OF PAVEMENT
TS	TOP OF STEP
TW	TOP OF WALL



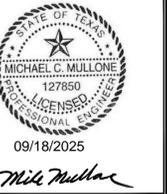
SEE INSET THIS SHEET FOR TOP OF WALL ELEVATIONS

WARBLER'S NEST RAMP WALL



GRADING AND DRAINAGE - RIVERSIDE 2

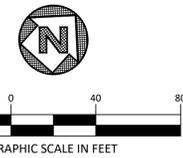
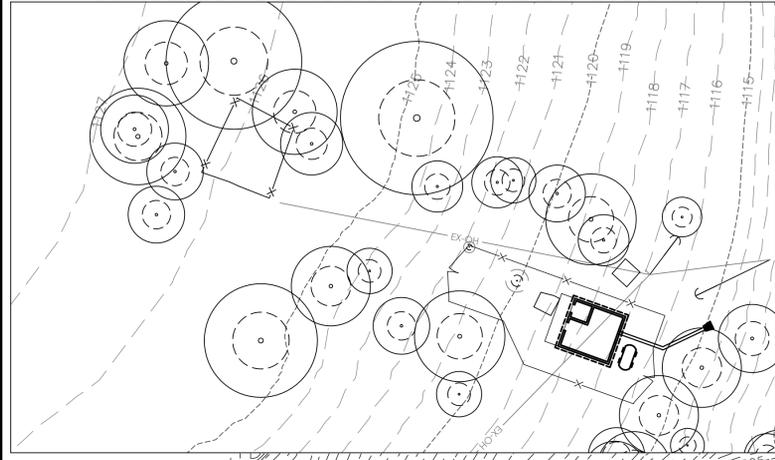
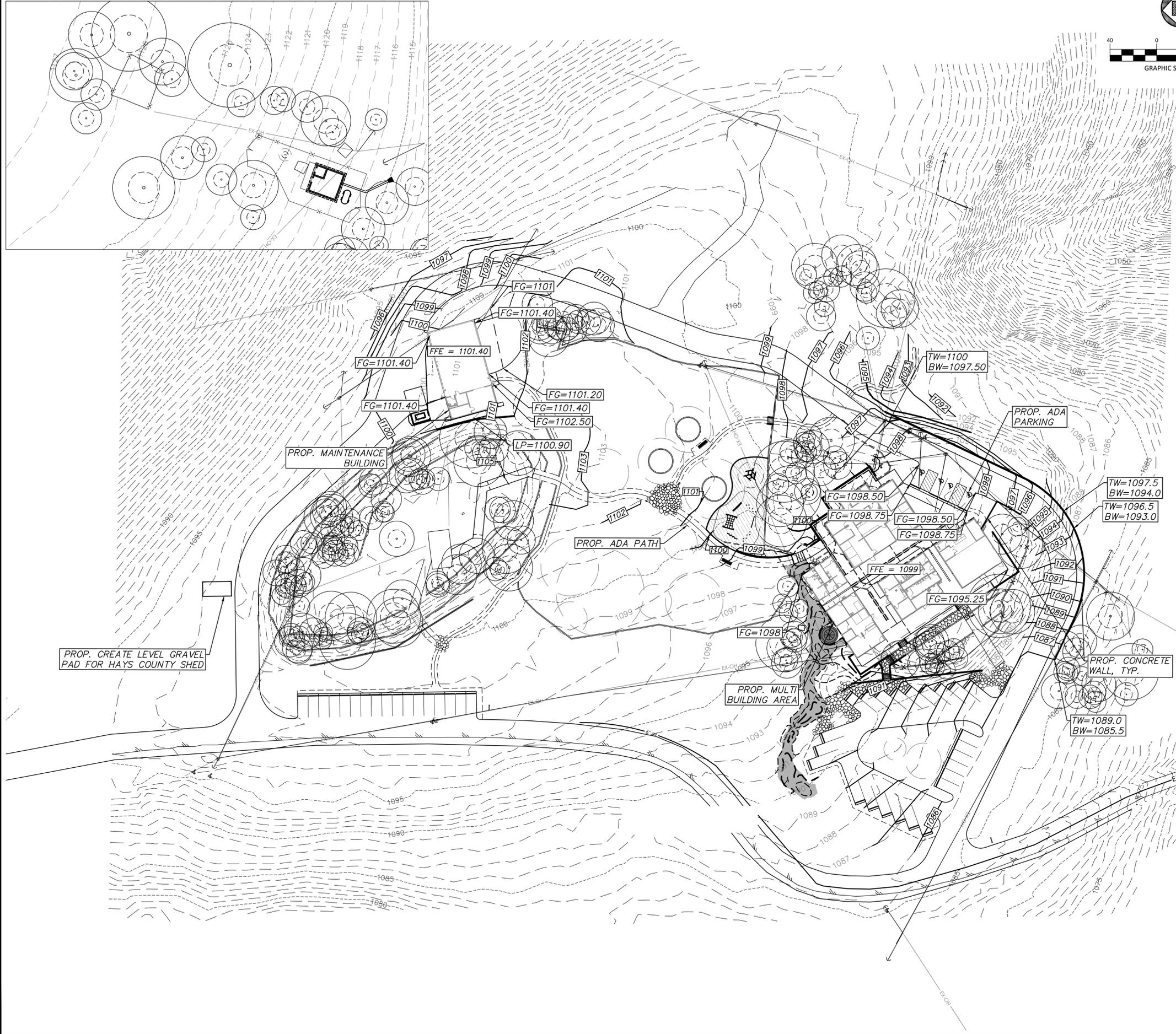
SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623



DATE:	08/04/2025
CHECKED BY:	MM
DRAWN BY:	NDC
DESIGNED BY:	MM
JOB NO.:	12076.001
SHEET:	C6.02

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PLANNING, GRADING AND DRAINAGE, INC.
PLOTTED ON: Thursday, September 18, 2025

WATER STORAGE TANK & PUMP HOUSE



GRADING LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED CONCRETE RETAINING WALL
	EXISTING STORM DRAIN
	EXISTING CURB INLET
	PROPOSED STORM DRAIN
	PROPOSED CURB INLET
	PROPOSED AREA DRAIN
	PROPOSED FLOW ARROW
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GT	GUTTER
TC	TOP OF CURB
TG	TOP OF GRATE
TI	TOP OF INLET
TP	TOP OF PAVEMENT
TS	TOP OF STEP
TW	TOP OF WALL

REVISIONS	
NO.	DESCRIPTION

GRADING AND DRAINAGE - HILLSIDE

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

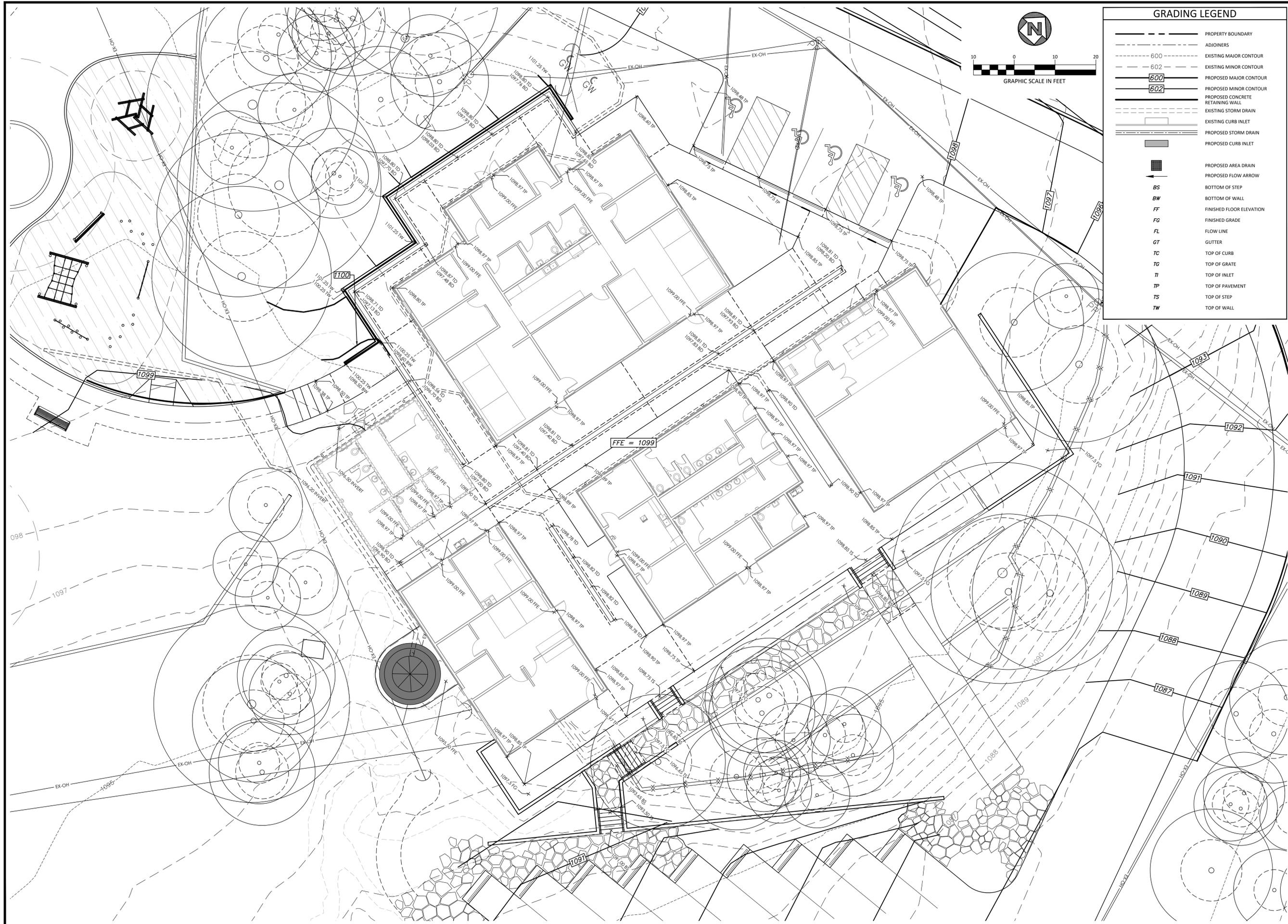
STATE OF TEXAS
 MICHAEL G. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER

09/18/2025
Mike Mullone

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET:
C6.03

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 FILENAME: GRADING AND DRAINAGE.dwg
 PLOTTED ON: Thursday, September 18, 2025



GRADING LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED CONCRETE RETAINING WALL
	EXISTING STORM DRAIN
	EXISTING CURB INLET
	PROPOSED STORM DRAIN
	PROPOSED CURB INLET
	PROPOSED AREA DRAIN
	PROPOSED FLOW ARROW
	BOTTOM OF STEP
	BOTTOM OF WALL
	FINISHED FLOOR ELEVATION
	FINISHED GRADE
	FLOW LINE
	GUTTER
	TOP OF CURB
	TOP OF GRATE
	TOP OF INLET
	TOP OF PAVEMENT
	TOP OF STEP
	TOP OF WALL

REVISIONS	
NO.	DESCRIPTION

GRADING AND DRAINAGE - BUILDING

SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
(TX REG. #4114)

09/18/2025
Michael Mullone

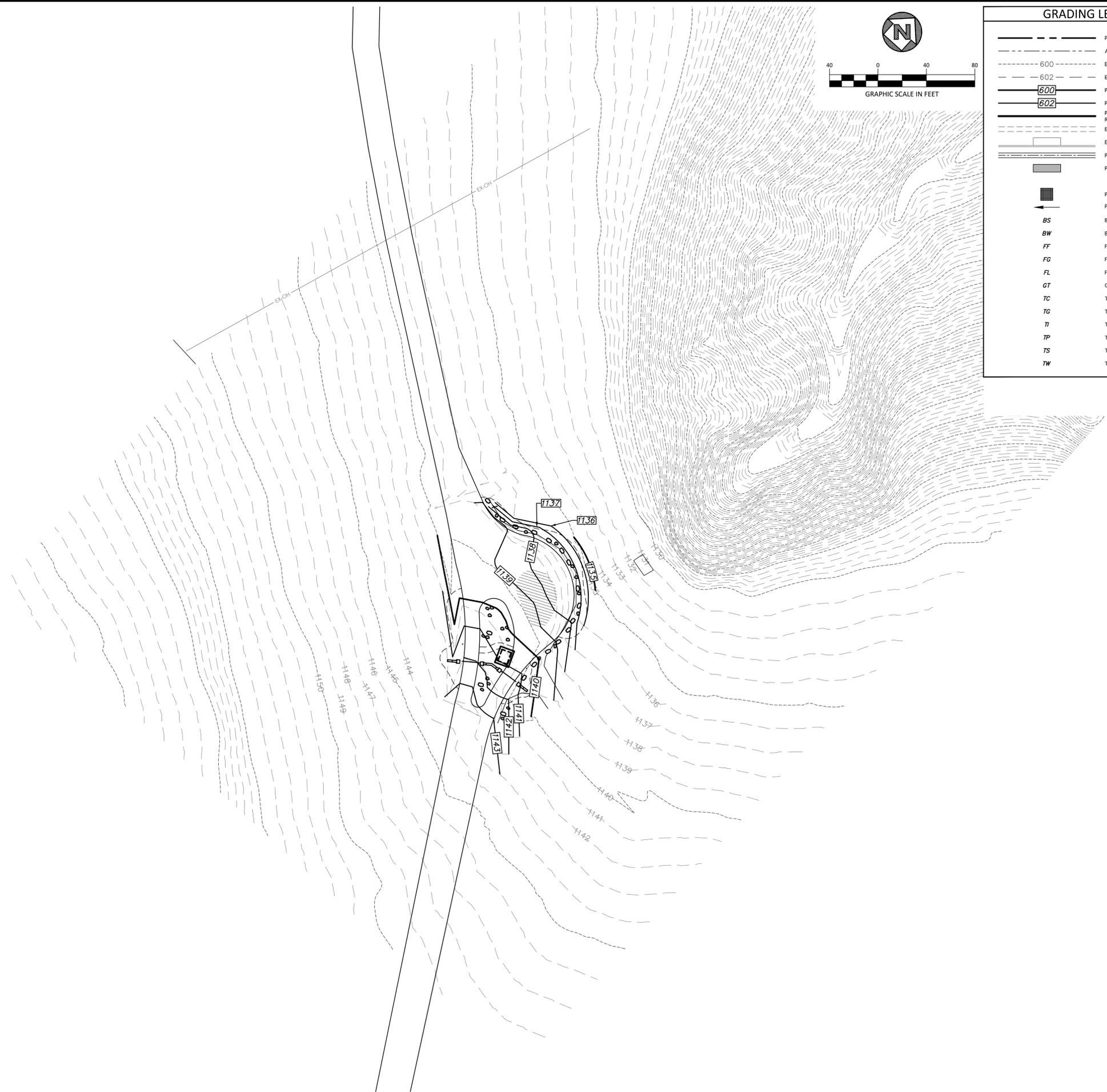
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DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET: **C6.04**

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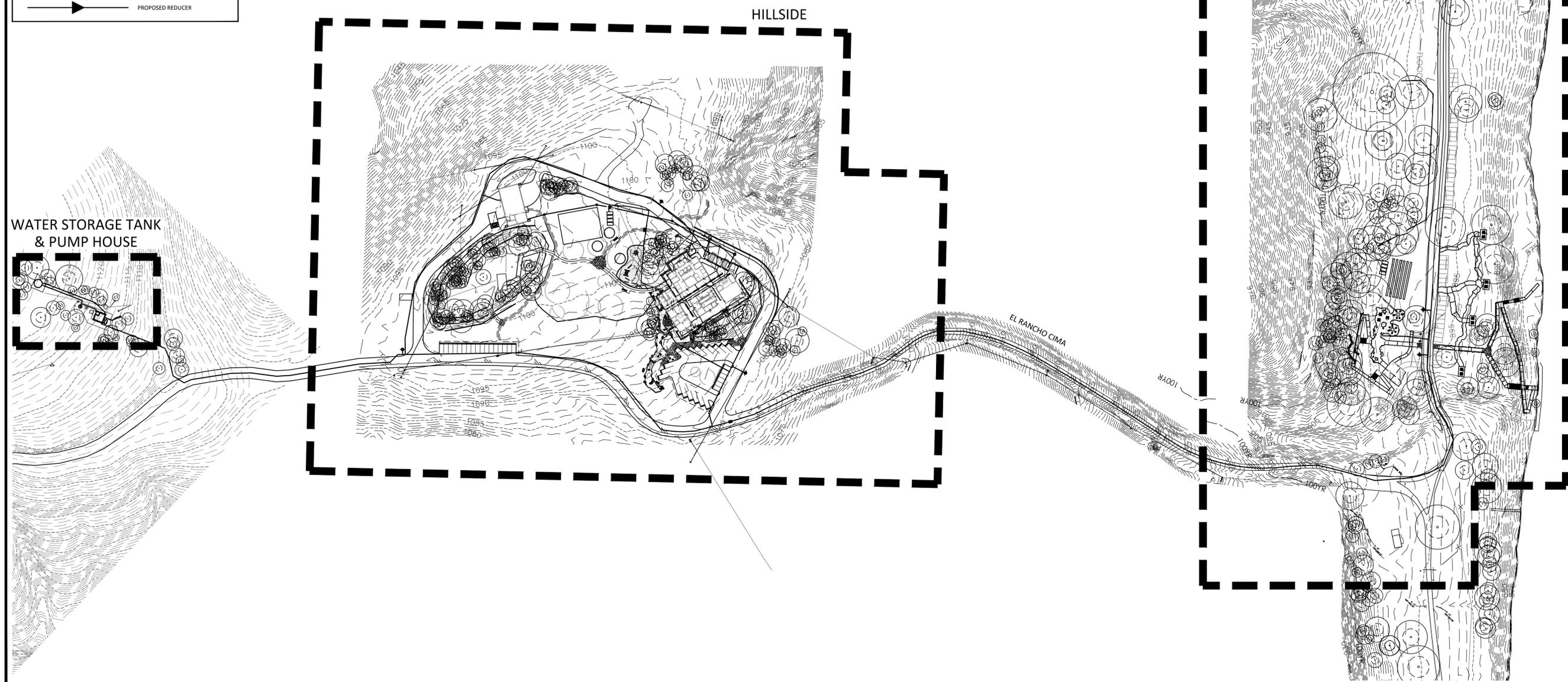
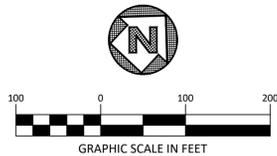
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FILENAME: GRADING AND DRAINAGE.rvt
PLOTTED ON: Thursday, September 18, 2025



UTILITY LEGEND

- PROPERTY BOUNDARY
- ADJOINERS
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STORM DRAIN
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED IRRIGATION LINE
- PROPOSED GAS LINE
- PROPOSED TELEPHONE LINE
- PROPOSED FIBER OPTIC LINE
- PROPOSED AT&T LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED SANITARY SEWER FORCE MAIN
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER CLEANOUT
- PROPOSED WATER METER
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- PROPOSED PLUG
- PROPOSED REDUCER

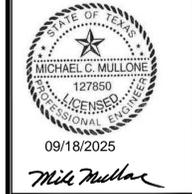


NO.	DATE	DESCRIPTION

UTILITY PLAN - OVERALL



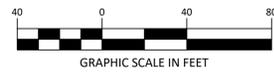
**SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH**
5800 FARM TO MARKET 32,
FISCHER, TX 78623



JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C7.00

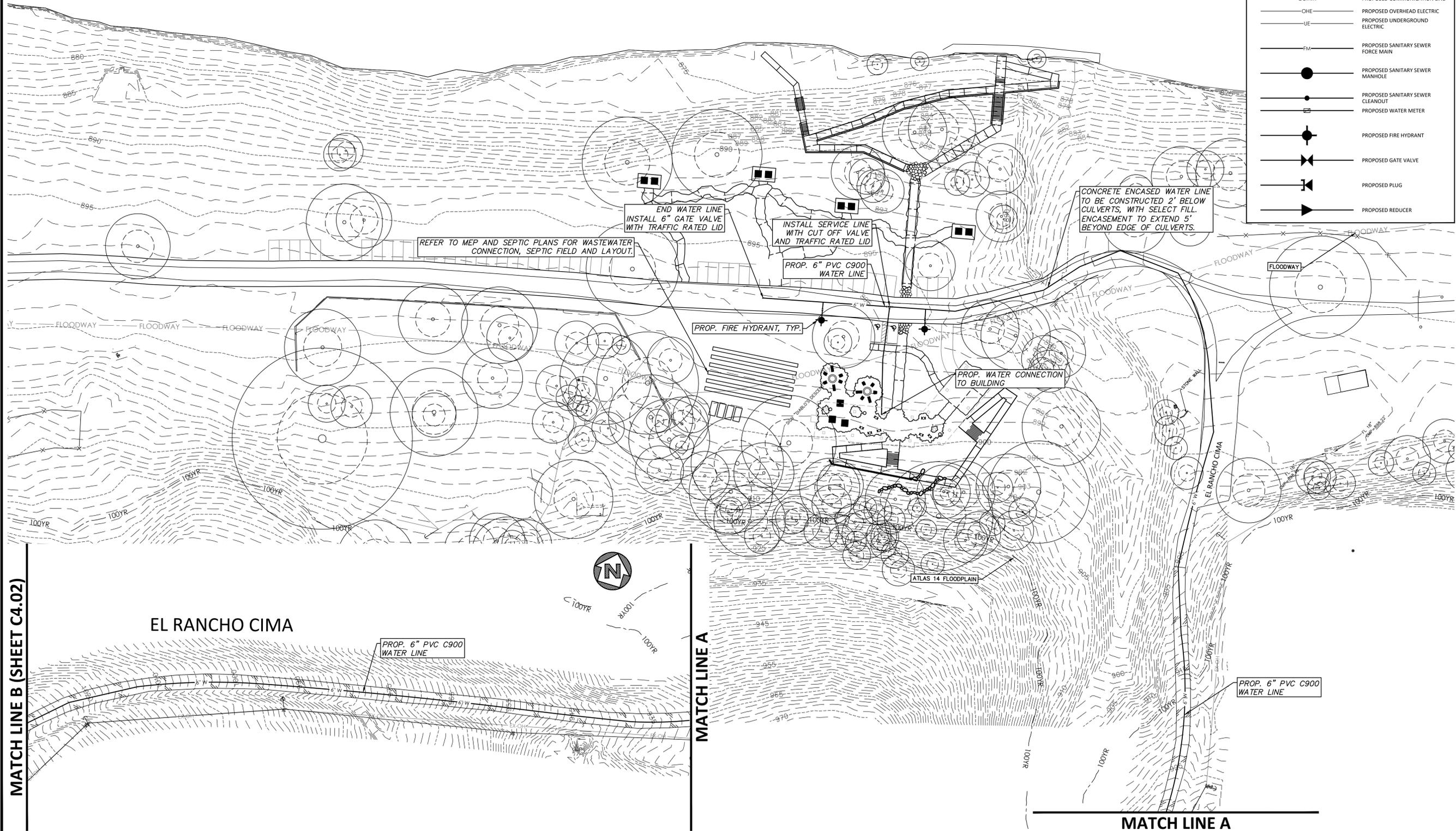
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 PLOT TIME: 10:05:14 AM

BLANCO RIVER



- NOTES:
1. FLOWABLE FILL TO BE UTILIZED FOR UTILITIES CROSSING THE ROAD.
 2. ALL WATERLINES ARE PVC. ALL FIRE HYDRANT LEADS ARE DUCTILE IRON.
 3. ALL WASTEWATER LINES ARE DUCTILE IRON.
 4. ALL FIRE HYDRANT SHALL BE INSTALLED WITH RESTRAINT TEE AND GATE VALVE.

UTILITY LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED STORM DRAIN
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED IRRIGATION LINE
	PROPOSED GAS LINE
	PROPOSED TELEPHONE LINE
	PROPOSED FIBER OPTIC LINE
	PROPOSED AT&T LINE
	PROPOSED COMMUNICATION LINE
	PROPOSED OVERHEAD ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED SANITARY SEWER FORCE MAIN
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED WATER METER
	PROPOSED FIRE HYDRANT
	PROPOSED GATE VALVE
	PROPOSED PLUG
	PROPOSED REDUCER



REVISIONS	
NO.	DESCRIPTION

UTILITY PLAN - RIVERSIDE

DUNAWAY

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

STATE OF TEXAS
 MICHAEL G. MULLIGNE
 127850
 LICENSED PROFESSIONAL ENGINEER

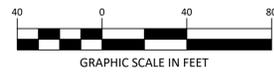
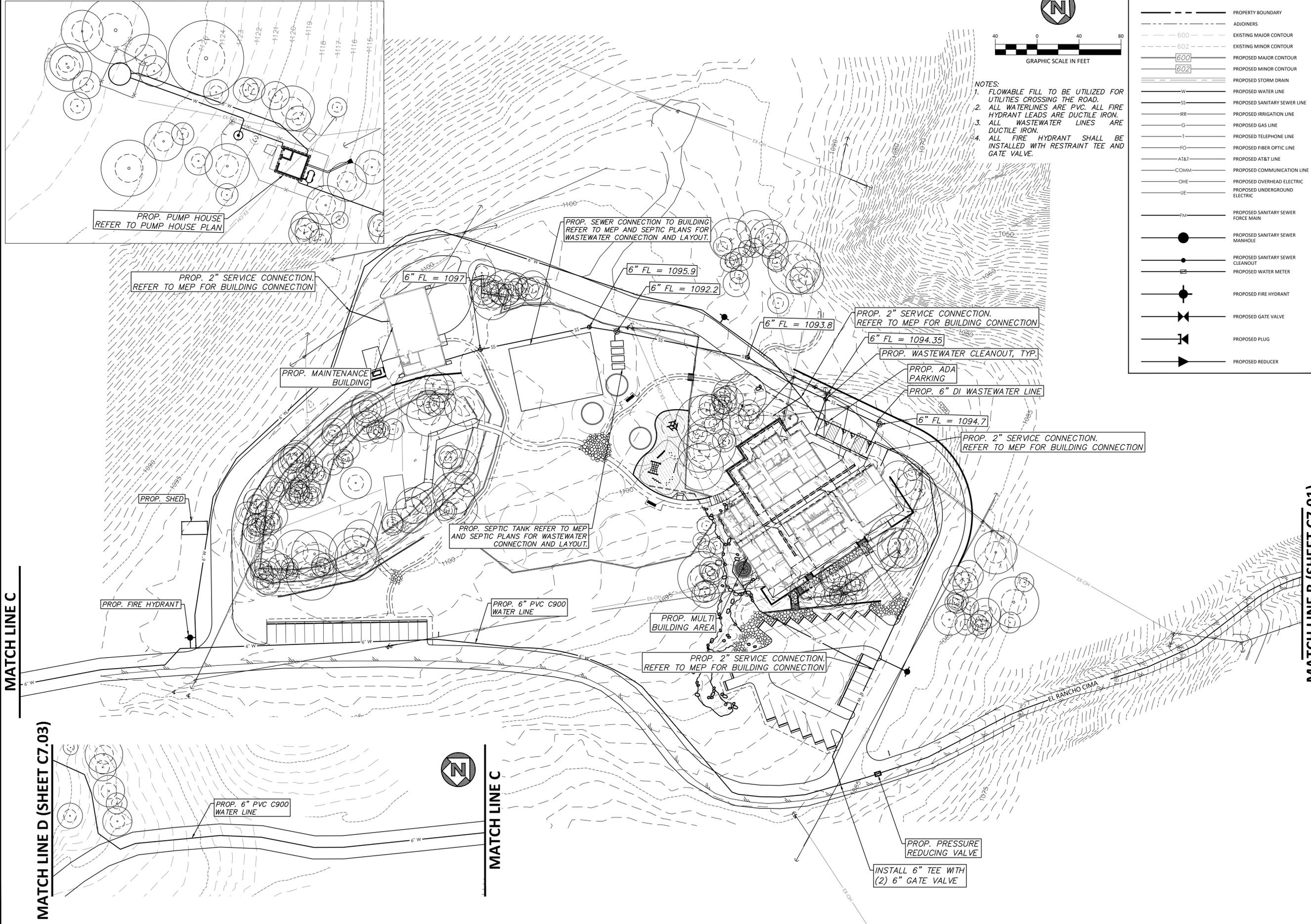
09/18/2025
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JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET: **C7.01**

FILE PATH: P:\12000\12076\001\CD\UPR Sheets\WP03.dwg
 PLOT DATE: Thursday, September 18, 2025

WATER STORAGE TANK & PUMP HOUSE



- NOTES:**
1. FLOWABLE FILL TO BE UTILIZED FOR UTILITIES CROSSING THE ROAD.
 2. ALL WATERLINES ARE PVC. ALL FIRE HYDRANT LEADS ARE DUCTILE IRON.
 3. ALL WASTEWATER LINES ARE DUCTILE IRON.
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UTILITY LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED STORM DRAIN
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED IRRIGATION LINE
	PROPOSED GAS LINE
	PROPOSED TELEPHONE LINE
	PROPOSED FIBER OPTIC LINE
	PROPOSED AT&T LINE
	PROPOSED COMMUNICATION LINE
	PROPOSED OVERHEAD ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED SANITARY SEWER FORCE MAIN
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED WATER METER
	PROPOSED FIRE HYDRANT
	PROPOSED GATE VALVE
	PROPOSED PLUG
	PROPOSED REDUCER

NO.	DATE	DESCRIPTION

UTILITY PLAN - HILLSIDE

DUNAWAY

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH**

5800 FARM TO MARKET 32,
 FISCHER, TX 78623

STATE OF TEXAS

MICHAEL C. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER

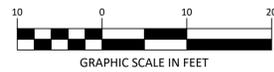
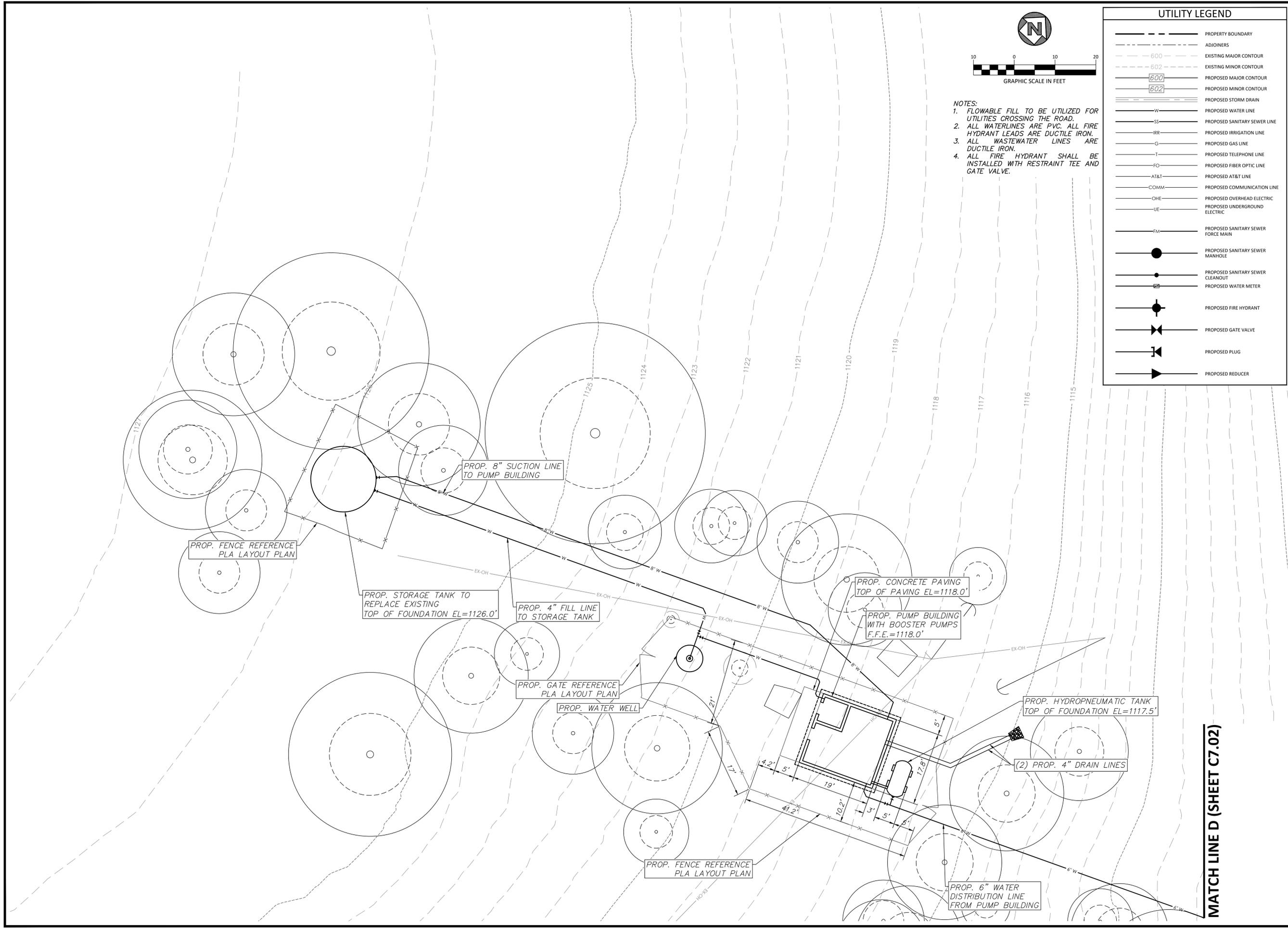
09/18/2025

Mike Mullone

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET: **C7.02**

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 PLOT TIME: 10:52:48 AM



- NOTES:**
1. FLOWABLE FILL TO BE UTILIZED FOR UTILITIES CROSSING THE ROAD.
 2. ALL WATERLINES ARE PVC. ALL FIRE HYDRANT LEADS ARE DUCTILE IRON.
 3. ALL WASTEWATER LINES ARE DUCTILE IRON.
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UTILITY LEGEND	
	PROPERTY BOUNDARY
	ADJOINERS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED STORM DRAIN
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED IRRIGATION LINE
	PROPOSED GAS LINE
	PROPOSED TELEPHONE LINE
	PROPOSED FIBER OPTIC LINE
	PROPOSED AT&T LINE
	PROPOSED COMMUNICATION LINE
	PROPOSED OVERHEAD ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED SANITARY SEWER FORCE MAIN
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED WATER METER
	PROPOSED FIRE HYDRANT
	PROPOSED GATE VALVE
	PROPOSED PLUG
	PROPOSED REDUCER

REVISIONS	
NO.	DESCRIPTION

UTILITY PLAN - PUMP HOUSE

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

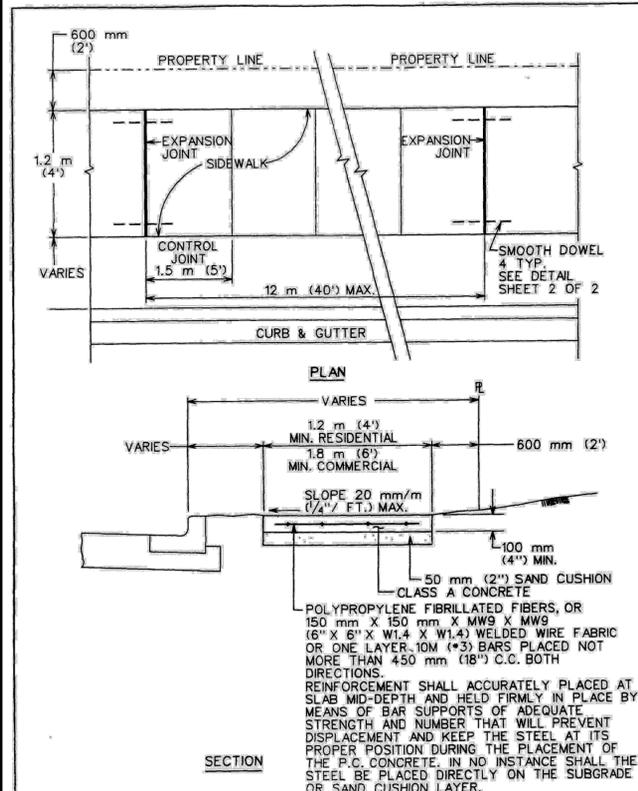
**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

STATE OF TEXAS
 MICHAEL C. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER
 09/18/2025
Mike Mullone

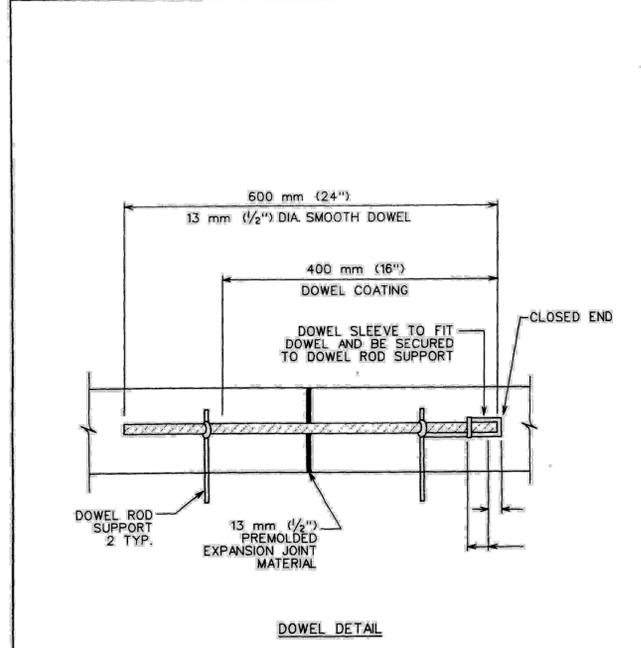
JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C7.03

MATCH LINE D (SHEET C7.02)

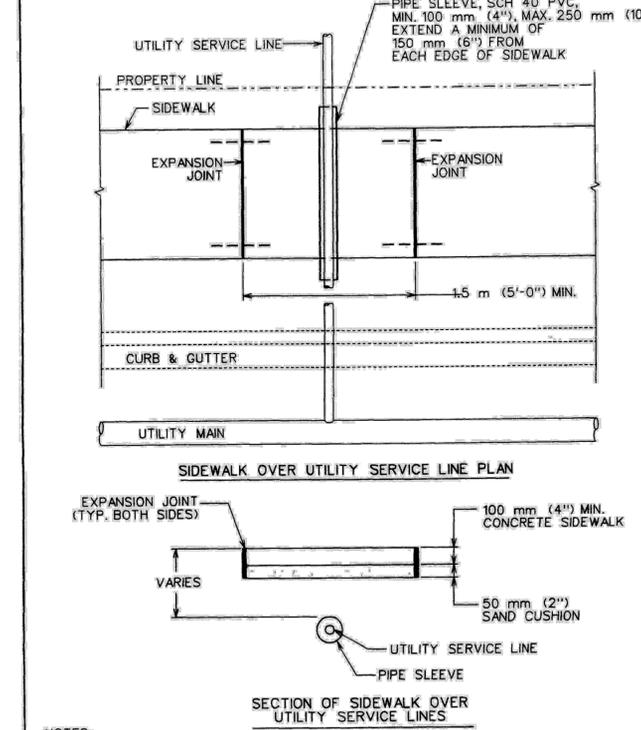
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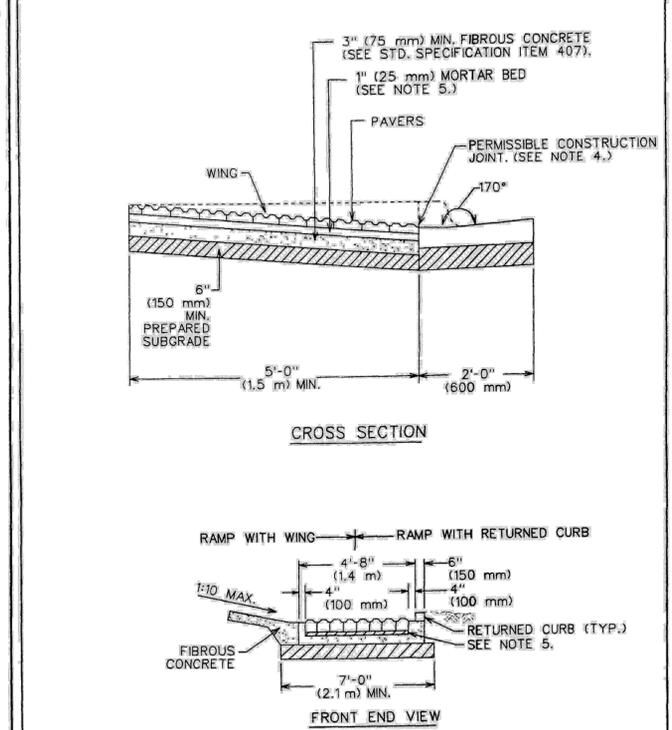
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1 1 OF 3
<i>Bill Anderson 3/26/08</i> ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



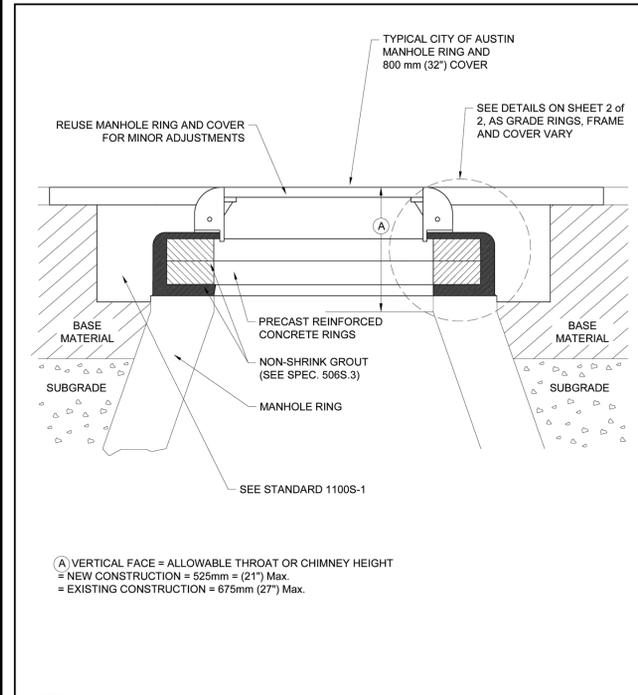
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1 2 OF 3
<i>Bill Anderson 3/26/08</i> ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



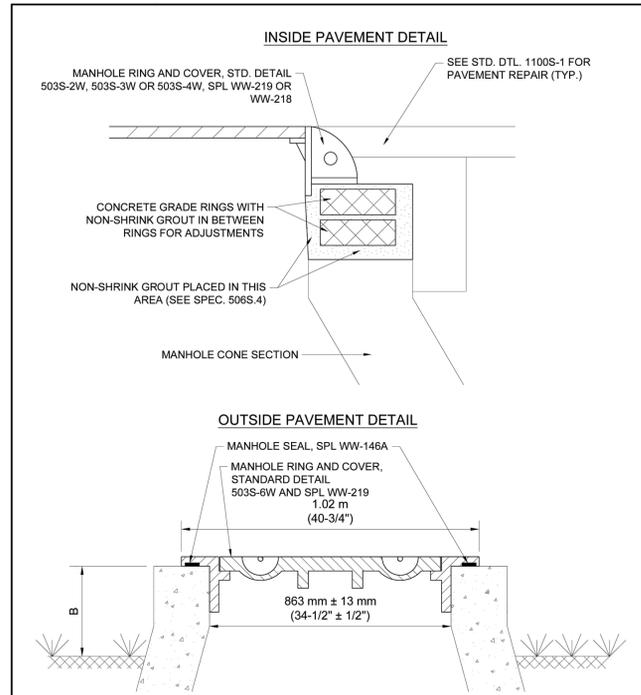
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1 3 OF 3
<i>Bill Anderson 3/26/08</i> ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



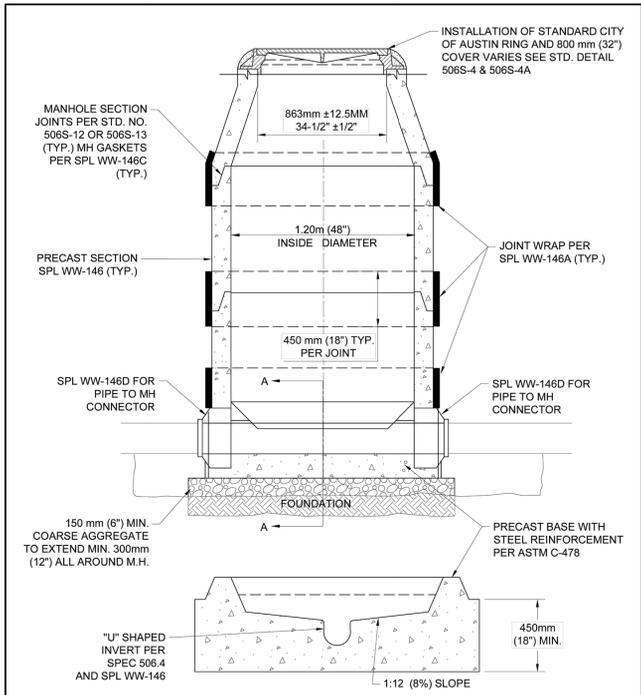
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	DETECTABLE WARNING-PAVER (PRIVATE PROPERTY)	STANDARD NO. 432S-2B 1 OF 2
<i>Bill Anderson 6/26/07</i> ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



CITY OF AUSTIN AUSTIN WATER UTILITY	MINOR MANHOLE ADJUSTMENT & NEW MANHOLE CONSTRUCTION	STANDARD NO. 506S-4 1 OF 2
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.



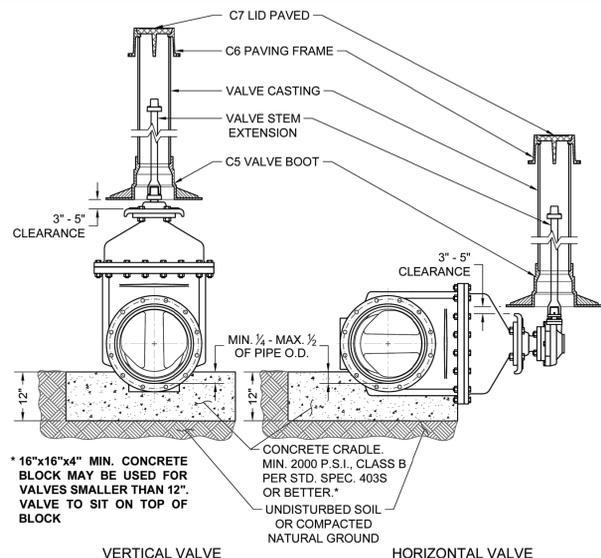
CITY OF AUSTIN AUSTIN WATER UTILITY	MINOR MANHOLE ADJUSTMENT & NEW MANHOLE CONSTRUCTION	STANDARD NO. 506S-4 2 OF 2
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.



CITY OF AUSTIN AUSTIN WATER UTILITY	WATER TIGHT WASTEWATER MANHOLE ON PRECAST BASE	STANDARD NO. 506S-6 1 OF 1
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

GENERAL NOTES: 1. THIS STANDARD IS APPLICABLE FOR RAMP CONSTRUCTION WITHIN PRIVATE PROPERTY ONLY. 2. PAVERS ARE REQUIRED FOR ALL CURB RAMP INSTALLATIONS. 3. PAVERS WILL HAVE DETECTABLE WARNING THAT CONSISTS OF RAISED TRUNCATED DOMES WITH A DIAMETER OF 0.8" (23 mm), A NOMINAL HEIGHT OF 0.2" (5 mm) AND A NOMINAL CENTER TO CENTER SPACING OF 2.35" (60 mm) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT (REF: ADAAG SECTION 4.29.2). MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. PAVES PATTERN SHALL BE BASKET WEAVE UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. 4. TYPICAL SIDEWALK WIDTHS AND CURB RADI ARE SHOWN FOR ILLUSTRATION ONLY. REFER TO THE TRANSPORTATION CRITERIA MANUAL FOR SIDEWALK WIDTHS, CURB RADI AND CURB BASIS. 5. THE PERMISSIBLE CONSTRUCTION JOINT BETWEEN THE PAVERS AND THE ADJOINING SURFACE SHALL BE LIMITED TO 1/4" (6 mm) JOINT SIZE. GAPS LARGER THAN 1/4" (6 mm) MUST BE APPROVED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. ALL JOINTS BETWEEN BRICKS AND ADJOINING SURFACE SHALL BE MORTAR FILLED UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. 6. MORTAR SHALL CONFORM TO STD. SPECIFICATION ITEM SECTION 403S.3.5, MORTAR AND GROUT. ALL OTHER CONCRETE SHALL CONFORM TO STD. SPECIFICATION ITEM 403S, CONCRETE FOR STRUCTURES, UNLESS OTHERWISE NOTED. 7. CURB RAMPS WITH RETURNED CURB MAY ONLY BE USED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK DIAGONALLY ACROSS THE RAMP.		
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	DETECTABLE WARNING-PAVER (PRIVATE PROPERTY)	STANDARD NO. 432S-2B 2 OF 2
<i>Bill Anderson 6/26/07</i> ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	

REVISIONS	DESCRIPTION
NO.	DATE
CONSTRUCTION DETAILS	
DUNAWAY	
SENTINEL PEAK PARK AT OLD BOY SCOUT RANCH 5800 FARM TO MARKET 32, FISCHER, TX 78623	
JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C8.01

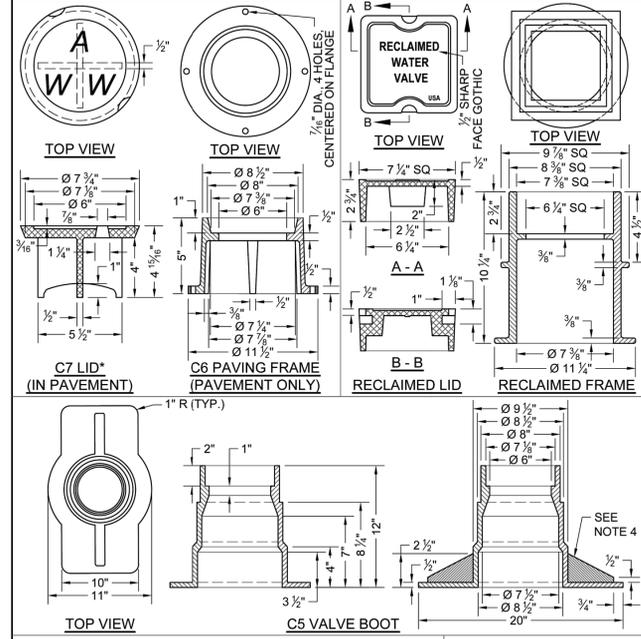


VERTICAL VALVE
HORIZONTAL VALVE
 ONLY TO BE USED WHEN CALLED OUT ON THE DRAWINGS.

NOTES:
 1. WELD SOCKET 2 1/2" x 2" DEEP TO 1" SCH. 40 CARBON STEEL ROUND STEM EXTENSION, FITTED ON OPERATING NUT, [SCH. 80 FOR LENGTHS OVER 10']
 2. VALVE CASTING SHALL BE 6" DI PIPE WITH BELL OR COLLAR CENTERED OVER VALVE BOOT.
 3. NUT AT TOP OF VALVE EXTENSION ROD SHALL BE SQUARE 2" LONG WELDED TO TOP OF ROD.
 4. VALVE STEM EXTENSIONS ARE REQUIRED ON ALL VALVES THAT EXCEED 3' DEEP FROM FINISHED GRADE. VALVE EXTENSIONS SHALL BE PLACED SUCH THAT THE EXTENSION NUT IS BETWEEN 12" AND 18" FROM FINISHED GRADE.

RECLAIMED WATER: ALL RECLAIMED PVC PIPE SHALL BE MANUFACTURED PURPLE PIPE. HDPE PIPE SHALL BE MANUFACTURED WITH PURPLE STRIPES. ALL OTHER PIPE AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL PIPE AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE "RECLAIMED WATER" CAST INTO THEM.

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	STANDARD NO. 511-AW-01 1 OF 4
RECORD COPY SIGNED BY KATHI L FLOWERS	05/18/2016 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

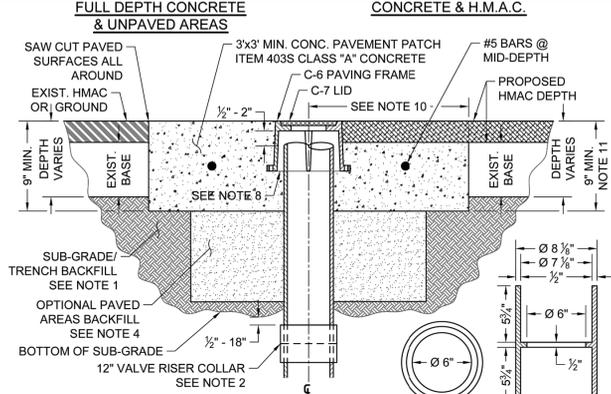


NOTES:
 1. MATERIAL SHALL BE GRAY CAST IRON, ASTM A48, GRADE 30B.
 2. THE MANUFACTURER'S IDENTIFICATION AND CASTING NUMBER, AND THE COUNTRY WHERE CAST, SHALL BE DISTINCTLY CAST ONTO EACH LID, FRAME, COLLAR AND BASE.
 3. DRAFT AND SHRINKAGE ALLOWANCE SHALL BE IN ACCORDANCE WITH NORMAL FOUNDRY PRACTICE.
 4. CASTING FINISH BY MANUFACTURER SHALL INCLUDE REMOVAL OF FINIS AND FLASHING, AND PAINT WITH BLACK ASPHALT COATING.

WEIGHTS:
 C7 LID: 13 LBS
 RECLAIMED LID: 15 LBS
 C6 FRAME: 23 LBS
 RECLAIMED FRAME: 33 LBS
 C5 BASE: 78 LBS

* LETTERING SHALL BE 1 1/2" 2 PICK BAR SLOTS REQUIRED

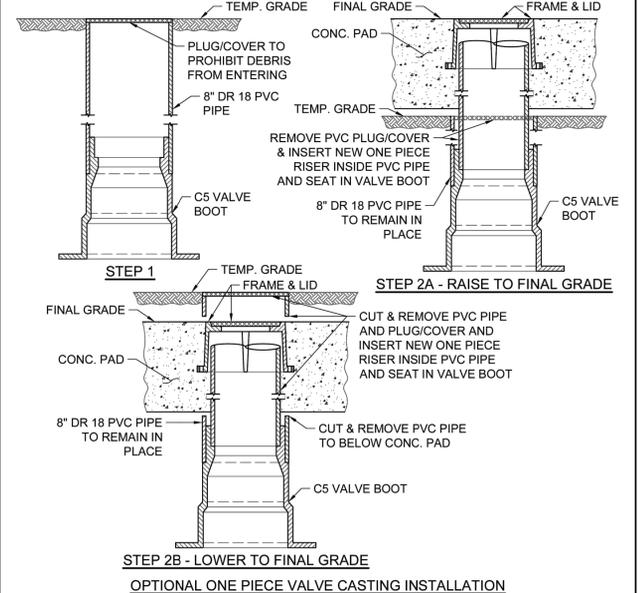
CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	STANDARD NO. 511-AW-01 2 OF 4
RECORD COPY SIGNED BY KATHI L FLOWERS	05/18/2016 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.



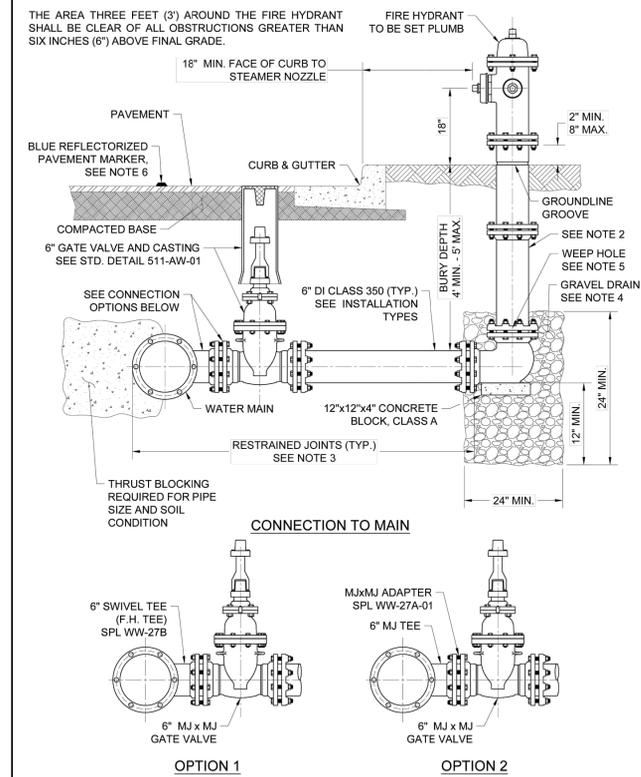
NOTES:
 1. SUB-GRADE/TRENCH BACKFILL SHALL BE COMPACTED AS PER ITEM 2015, SUB-GRADE PREPARATION.
 2. TO ADJUST VALVE CASTINGS TO FINAL GRADE, REMOVE RISER PIPE BELOW SUB-GRADE AND INSTALL APPROPRIATE LENGTH OF NEW RISER PIPE TO ACHIEVE FINAL GRADE. CONNECT THE TWO PIECES OF RISER PIPE WITH A 6" COLLAR MIN. 12" LENGTH APPROXIMATELY CENTERED ON THE JOINT WITH THE TOP OF SLEEVE LOCATED 1/2" - 18" BELOW SUB-GRADE. THE INSIDE "LIP" OF COLLAR TO BE PAINTED WITH FLUORESCENT WHITE PAINT OR COVERED WITH FLUORESCENT WHITE TAPE. ALTERNATE: FOR OPTIONAL SINGLE PIECE RISER INSTALLATION SEE SHEET 4 OF 4.
 3. CLEAN VALVE BOX OF ALL DEBRIS DOWN TO THE NUT OF THE VALVE; NUT SHALL OPERATE WITH NO OBSTRUCTION.
 4. WHERE CASTINGS TO BE REMOVED REQUIRE EXCAVATION GREATER THAN 20" DEEP, CONTRACTOR MAY ELECT TO FILL EXCAVATION WITH CONTROLLED LOW STRENGTH MATERIAL (SPEC. ITEM 4025) TO THE UNDERSIDE OF THE CONCRETE. PAVEMENT PATCH IN LIEU OF COMPACTED BACKFILL.
 5. REINFORCING STEEL SHALL MEET SPEC. ITEM 4065.7.
 6. NO MORE THAN 2 SECTIONS OF PIPE SHALL BE USED FROM VALVE TO FINAL GRADE.
 7. BELL AND SPIGOT IS ACCEPTABLE FOR DEPTH OVER 18".

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	STANDARD NO. 511-AW-01 3 OF 4
RECORD COPY SIGNED BY KATHI L FLOWERS	05/18/2016 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

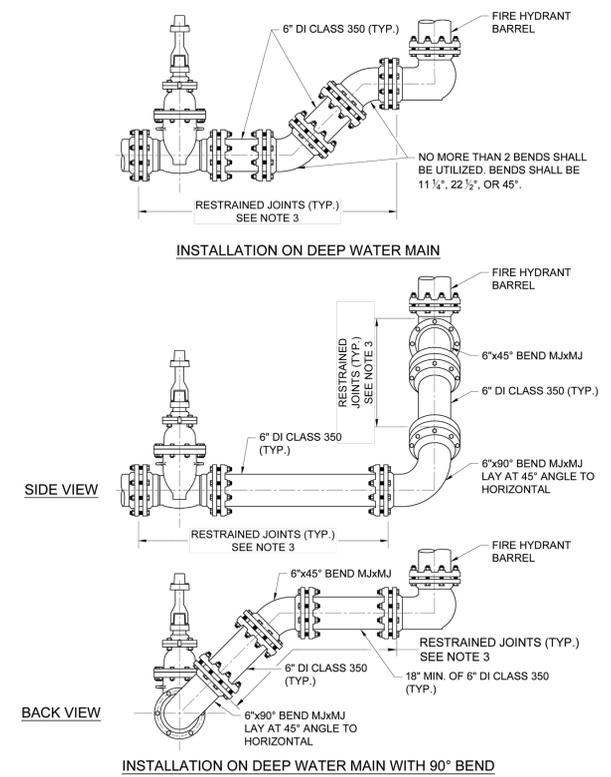
NOTES (CONT):
 8. PAVING FRAME SHALL BE FLUSH WITH THE CONC. PAD AND PLACED 1/2" - 2" ABOVE RISER PIPE (FRAME SHALL NOT REST ON RISER).
 9. IN UNPAVED AREAS, INSTALL ONE DELINEATOR STAKE IMMEDIATELY ADJACENT TO THE EDGE OF THE CONCRETE PAD. DELINEATOR SHALL BE BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER AND SHALL EXTEND AT LEAST 60" ABOVE GROUND. DELINEATORS SHALL HAVE 2" WIDE, WHITE IN COLOR, TYPE I REFLECTIVE TAPE MOUNTED DIAGONALLY AT 12" SPACING ON BOTH SIDES.
 10. VALVE SHALL TYPICALLY BE CENTERED IN CONCRETE DIAMOND BUT MAY BE OFFSET WITH A MIN. OF 12" FROM CENTER OF VALVE LID TO EDGE OF CONCRETE IN ALL DIRECTIONS.
 11. MIN. TOTAL DEPTH OF ASPHALT PLUS CONC. IS 9" AND MIN. DEPTH OF CONC. PAD SHALL BE 5"



CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	STANDARD NO. 511-AW-01 4 OF 4
RECORD COPY SIGNED BY KATHI L FLOWERS	05/18/2016 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.



CITY OF AUSTIN AUSTIN WATER	FIRE HYDRANT ASSEMBLY	STANDARD NO. 511-AW-02 1 OF 3
JEFF A. KYLE	11/06/2023 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.



CITY OF AUSTIN AUSTIN WATER	FIRE HYDRANT ASSEMBLY	STANDARD NO. 511-AW-02 2 OF 3
JEFF A. KYLE	11/06/2023 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

NOTES: APPLICABLE TO ALL INSTALLATION TYPES.
 1. NO PART OF A HYDRANT OR ITS NOZZLE CAPS SHALL BE WITHIN 6' OF ANY SIDEWALK OR PEDESTRIAN RAMP. ANY FIRE HYDRANT PLACED NEAR A STREET CORNER SHALL BE LOCATED OUTSIDE THE CURVE RADIUS AND A MINIMUM OF 4' FROM RAMP.
 2. ONE BARREL EXTENSION NOT EXCEEDING 2' LENGTH MAY BE INSTALLED DIRECTLY BELOW THE FIRE HYDRANT IN ORDER TO MEET THE REQUIRED BURY DEPTH OF 4' - 5'. BREAK AWAY BOLTS (SHOE TYPES) SHALL BE PROPERLY SPACED AND PLACED.
 3. FIRE LINE SHALL HAVE ALL JOINTS RESTRAINED FROM MAIN TO FIRE HYDRANT INCLUDING MJ RESTRAINT OF TEE AT THE MAIN. JOINTS SHOWN MAY VARY. SEE SPL WW-27A, WW-27A-01, AND WW-27B FOR RESTRAINT OPTIONS.
 4. BELOW EACH HYDRANT, A DRAINAGE PIT 24" IN DIAMETER AND 12" DEEP SHALL BE EXCAVATED AND FILLED WITH COMPACTED COARSE GRAVEL OR BROKEN STONE MIXED WITH COARSE SAND UNDER AND AROUND THE BOWL OF THE HYDRANT, AND TO A LEVEL 12" ABOVE THE HYDRANT DRAIN OPENING (SEE STD. SPEC. 510). THE HYDRANT DRAINAGE PIT SHALL NOT BE CONNECTED TO A SANITARY SEWER. THE DRAIN GRAVEL SHALL BE COVERED WITH FILTER FABRIC PER STD. SPEC. 620.
 5. WRAP 8 MIL. POLY-FILM WRAP ON ALL BURIED PIPE AND FITTINGS. CUT SLITS IN POLY-FILM WRAP AT BOOT TO ALLOW WATER TO ESCAPE FROM WEEP HOLES AND POLY-WRAP.
 6. A BLUE TYPE II-B-B REFLECTORIZED PAVEMENT MARKER, CONFORMING TO STANDARD SPECIFICATION ITEM NO. 863S, SHALL BE PLACED 2 TO 3 FEET OFFSET FROM THE CENTERLINE OF PAVED STREETS, ON THE SIDE OF AND IN LINE WITH ALL NEWLY INSTALLED FIRE HYDRANTS.

CITY OF AUSTIN AUSTIN WATER	FIRE HYDRANT ASSEMBLY	STANDARD NO. 511-AW-02 3 OF 3
JEFF A. KYLE	11/06/2023 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

NO.	DATE	DESCRIPTION

CONSTRUCTION DETAILS

DUNAWAY

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (710) 412-1112 (TX REG. #4114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH**
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623

STATE OF TEXAS
 MICHAEL C. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER

09/18/2025
Mike Mullone

JOB NO. 12076.001
 DESIGNED BY: MM
 DRAWN BY: NDC
 CHECKED BY: MM
 DATE: 08/04/2025

SHEET: **C8.02**

FILE PATH: P:\01\2006\02\06\001\DWG\CONTR\DWG\PAVE.DWG
 PLOT DATE: Thursday, September 18, 2025
 PLOT TIME: 10:57:08 AM

REINFORCEMENT SHALL BE PROVIDED AS FOLLOWS

6"-12" PIPE	1#5
14"-30" PIPE	2#5S
36"-48" PIPE	2#7S

VERTICAL DOWN BEND

**TABLE A
UPWARD THRUST GRAVITY BLOCKS**

PIPE DIA.	MIN. TOP WIDTH W1	ANGLE (degrees)	BOTTOM WIDTH W2 (in)
6"	6"	0-5	NOTE 2
		5-15	24
		15-25	48
		> 25	NOTE 1
8"	6"	0-5	NOTE 2
		5-9	30
		9-15	36
		> 15	NOTE 1
12"	6"	0-5	NOTE 2
		5-15	48
		> 15	NOTE 1
		0-5	NOTE 2
16"	12"	0-5	NOTE 2
		5-10	60
		10-15	96
		> 15	NOTE 1
24" THRU 36" DIA.	> 5.0	NOTE 1	
42" THRU 48" DIA.	> 3.0	NOTE 1	

NOTES:

- FOR ANGLES GREATER THAN THOSE INDICATED RESTRAINED JOINTS SHALL BE INSTALLED
- FOR JOINT DEFLECTIONS LESS THAN 5 DEGREES, NO HORIZONTAL OR VERTICAL THRUST RESTRAINT IS REQUIRED FOR PIPES LESS THAN 42" IN DIAMETER.

THRUST BLOCK DESIGN AS FOLLOWS

A. PRESSURE OF 150 P.S.I. (ACTUAL IF HIGHER) + 50% SURGE ALLOWANCE

B. MAXIMUM SOIL BEARING SEE TABLE BELOW

SOIL TYPES	PRESSURE
LOOSE OR SPONGY SOIL	1500 Lb/Sq.Ft.
UNDISTURBED SOIL, CALICHE	2000 Lb/Sq.Ft.
LIMESTONE ROCK	4000 Lb/Sq.Ft.

**CITY OF AUSTIN
WATER AND WASTEWATER UTILITY**

RECORD COPY SIGNED BY JAMES E. THOMPSON 2/11/86 ADOPTED

CONCRETE THRUST BLOCKING

THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

STANDARD NO. 510-6 1 OF 2

HORIZONTAL BEND

VERTICAL BEND UPWARD

TEE / OUTLET

* THE DIMENSION FOR "H" MUST BE GREATER THAN DIAMETER OF THE PIPE
** LENGTH "L" ALONG THE BEND MUST BE GREATER THAN "H" AND LESS THAN 2 TIMES "H"

**CITY OF AUSTIN
WATER AND WASTEWATER UTILITY**

RECORD COPY SIGNED BY JAMES E. THOMPSON 2/11/86 ADOPTED

CONCRETE THRUST BLOCKING

THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

STANDARD NO. 510-6 2 OF 2

WASTEWATER CLEANOUT FRAME AND LID SPL WW-145A

6" PVC MIPT CLEANOUT CAP

GRASS OR EXIST. SURFACE

2"-4"

6" x 6" PVC HUB x FIPT CLEANOUT ADAPTER

6" PVC PIPE SPL WW-227

NOTE:

- WASTEWATER CLEANOUT FRAME AND LID SHALL NOT BE PLACED IN PAVED AREAS, INCLUDING SIDEWALKS, DRIVEWAYS, OR PARKING LOTS, AND MUST BE LOCATED A MINIMUM OF 6" FROM ALL PAVED AREAS.

**CITY OF AUSTIN
AUSTIN WATER**

RECORD COPY SIGNED BY JEFF A. KYLE 08/16/2019 ADOPTED

WASTEWATER CLEANOUT FRAME AND LID

THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

STANDARD NO. 520-AW-03 1 OF 1

TYPICAL TRENCH DETAIL WITH UNFINISHED SURFACE

MULCH OR SOD

NATURAL GROUND

SUBGRADE

MINIMUM COVER AS DEFINED IN UCM SECTION 3.4.3 AND ITEM 510, SECTION 510.3(6)

300 mm (12")

COMPACTED BACKFILL ITEM 510, SECTION 510.2(6)

BEDDING ENVELOPE ITEM 510, SECTION 510.3(14)

CENTER PIPE IN TRENCH

UNDISTURBED EARTH

PIPE O.D. +150 mm (+6")

PIPE O.D.

150 mm (6")

PIPE O.D. +300 mm (+12") MIN.

PIPE O.D. +600 mm (+24") MAX.

REFERENCES:

- UTILITY CRITERIA MANUAL SECTION 3.4.3, "FINAL DESIGN"
- STANDARD SPECIFICATION MANUAL ITEM 510, SECTION 510.2(6), "SELECT BACKFILL OR BORROW"; SECTION 510.3(6), "TRENCH DEPTH AND DEPTH OF COVER"; SECTION 510.3(14), "PIPE BEDDING ENVELOPE"

**CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS**

RECORD COPY SIGNED BY JEFF A. KYLE 3/12/20 ADOPTED

TYPICAL TRENCH DETAIL WITH UNFINISHED SURFACE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 510S-5

SINGLE SERVICE

ADDITIONAL COMPONENTS FOR DOUBLE SERVICE

6" PVC PIPE SPL WW-227

45"x6" BEND SPL WW-227B-1

4" MAX.

* OFFSET FROM PROPERTY LINE IS FOR DOUBLE WASTEWATER SERVICE INSTALLATION ONLY.

WHERE WATER & WASTEWATER SERVICES ARE INSTALLED ON A COMMON LOT LINE, SEE DETAIL 520-AW-01A

PLAN VIEW

PROFILE VIEW

6" PLUG

6" TWO-WAY CLEANOUT SPL WW-227B-1

6" HORIZONTAL WYE (FOR DOUBLE SERVICE ONLY) SPL WW-227B-1

6" PVC PIPE

POURED CONC. SUPPORT UNDER PLUG

6" DIA. BEND SPL WW-227B-1

BENDS MAY VARY (1 1/2" - 45")

**CITY OF AUSTIN
AUSTIN WATER**

RECORD COPY SIGNED BY JEFF A. KYLE 11/07/2018 ADOPTED

SINGLE AND DOUBLE WASTEWATER SERVICE CONNECTION

THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

STANDARD NO. 520-AW-01C 1 OF 4

NOTES:

- DURING SUBDIVISION CONSTRUCTION, UTILITY CONTRACTOR INSTALLS WASTEWATER TEE CONNECTION TO MAIN, 6" STUB, HORIZONTAL WYE FOR DOUBLE SERVICES, 6" SERVICE BRANCH WITH TWO-WAY CLEANOUT(S) AND RISER, FRAME, AND COVER. CLEANOUT(S) TO BE PLUGGED AT PROPERTY LINE OR EASEMENT LINE END. ALL WASTEWATER PIPING SHALL HAVE ELASTOMERIC GASKET TYPE JOINTS AND SLOPE DOWNWARD TO MAIN 1% MIN. TO 45" MAX. DEPTH OF SERVICE AT PROPERTY LINE WILL BE SHOWN ON PLANS BY ENGINEER IF GREATER THAN 4', OTHERWISE THE INSTALLED DEPTH WILL BE 4' MIN. AND 6' MAX. AT PROPERTY LINE. IF WASTEWATER SERVICE LINE TO MAIN REQUIRES DEFLECTION EXCEEDING 45", SEE SHEET 3 OF 4. PIPING IN STREET RIGHT-OF-WAY AND IN EASEMENT AREA SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY CITY OF AUSTIN STANDARD SPECIFICATION 510.3 (14); MATERIALS SHALL BE AS SPECIFIED IN 510.2 (2)(A) AND (3)(B); BACKFILL ABOVE THE GRANULAR BEDDING SHALL BE AS REQUIRED BY SECTION 510.3 (25). SERVICE LINES IN THESE AREAS SHALL HAVE A MIN. COVER BELOW FINAL STREET GRADE OF 42".
- PLUMBER SHALL REMOVE PLUG AND CONNECT TO TWO-WAY CLEANOUT. NO CONNECTION TO CLEANOUT STACK IS ALLOWED.

REMOVAL

REMOVE EXISTING MAIN TO THE NEAREST JOINT IN COMPETENT PIPE

REPAIR COUPLING (NO STOP 227B PULL FITTINGS) (GxG)

REPLACEMENT FOR EXISTING PVC MAIN

* G = GASKET CONNECTION

REMOVE EXISTING MAIN TO THE NEAREST JOINT IN COMPETENT PIPE

REMOVE EXISTING MAIN TO THE NEAREST JOINT IN COMPETENT PIPE

REPLACEMENT FOR EXISTING CONCRETE, CLAY, AND AC MAIN

* G = GASKET CONNECTION

REMOVE EXISTING MAIN TO THE NEAREST JOINT IN COMPETENT PIPE

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REPLACEMENT FOR EXISTING CONCRETE, CLAY, AND AC MAIN

* G = GASKET CONNECTION

**CITY OF AUSTIN
AUSTIN WATER**

RECORD COPY SIGNED BY JEFF A. KYLE 11/07/2018 ADOPTED

SINGLE AND DOUBLE WASTEWATER SERVICE CONNECTION

THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

STANDARD NO. 520-AW-01C 2 OF 4

DEEP SERVICE CONNECTION

PAVEMENT

CURB & GUTTER

COMPACTED BASE

BACKFILL AND BEDDING PER STD. SPEC. 510

45"x6" BEND SPL WW-227B-1

PER SHEET 1 & 2

FLOW MIN. SLOPE 1%

R.O.W. OR ESMT. LINE

END SEAL SPL WW-575A

SLEEVED TO PROTECT RISER BEFORE & DURING BACKFILL OPERATION

- 8" PVC SLEEVE IF NO PIPE BELLS IN THE RISER PIPE
- 10" PVC SLEEVE IF PIPE BELLS IN THE RISER PIPE

PROVIDE ADEQUATE CLEARANCE FOR PLACING SLEEVE AND COMPACTING BACKFILL

CLASS A CONCRETE PER STD. SPEC. 403S.

DEPTH OF CONC. IS EQUAL TO BOTTOM OF TRENCH TO TOP OF FIRST 45" BEND

CONCRETE AT SERVICE CONNECTION SHALL COMPLETELY FILL TRENCH WIDTH TO DEPTH INDICATED ON DETAIL AND EXTEND 6" EACH WAY BEYOND TEE OR WYE JOINTS.

WASTEWATER MAIN

SUPPORT CONNECTION

8" OR 10" PVC SLEEVE 45"x6" BEND

**CITY OF AUSTIN
AUSTIN WATER**

RECORD COPY SIGNED BY JEFF A. KYLE 11/07/2018 ADOPTED

SINGLE AND DOUBLE WASTEWATER SERVICE CONNECTION

THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

STANDARD NO. 520-AW-01C 3 OF 4

SERVICE ADAPTOR CONSISTING OF SINGLE-BODY GASKETED BELL HAVING SDR 26 PVC HUB, RUBBER SLEEVE AND STAINLESS STEEL BAND. SEE SPL WW-227D & DETAIL "A"

DETAIL "A"

DETAIL "B"

SEE NOTE 2 (INSTALLATION IN LINED PIPE)

INSTALLATION IN LINED PIPE:

- MARK LOCATION OF TAP.
- BREAK & REMOVE HOST PIPE SO THAT OPENING IS AT LEAST 2" BUT NO MORE THAN 3" WIDER THAN DIAMETER OF THE SERVICE ADAPTOR.
- DO NOT DAMAGE LINER.
- CORE HOLE THROUGH LINER USING ADAPTOR MANUFACTURER RECOMMENDED BIT.
- INSTALL SERVICE ADAPTOR.
- HOLES CUT IN HOST PIPE SHALL BE PACKED WITH NON-SHRINK GROUT (ASTM C1107 GRADE). SEE DETAIL "B"

NOTES:

- USE ONLY TO TAP EXISTING LINED PIPE.
- SEE APPROPRIATE STD. FOR SERVICE LINE INFORMATION.
- THE EDGE OF THE CORE HOLE MUST BE AT LEAST 3" FROM THE ENDS OF THE PIPE, ANY OTHER CORE SERVICE CONNECTIONS, AND ANY FITTINGS.
- FOR DEEP SERVICE APPLICATIONS SEE SHEET 3 OF 4, EXCEPT SUBSTITUTE A CORED HOLE, AND SERVICE ADAPTOR FOR THE TEE OR WYE.
- SERVICE CONNECTIONS TO MANHOLES MUST BE MADE USING A PIPE-TO-MANHOLE CONNECTOR WHICH LIMITS THE PIPE SLOPE INTO THE MANHOLE TO 12% MAX.

6" WASTEWATER CONNECTION TO EXISTING LINED MAIN

**CITY OF AUSTIN
AUSTIN WATER**

RECORD COPY SIGNED BY JEFF A. KYLE 11/07/2018 ADOPTED

SINGLE AND DOUBLE WASTEWATER SERVICE CONNECTION

THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.

STANDARD NO. 520-AW-01C 4 OF 4

NO.	DATE	DESCRIPTION

CONSTRUCTION DETAILS

DUNAWAY

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
PH: 512.452.1112 FAX: 512.452.1114

**SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623**

STATE OF TEXAS

MICHAEL C. MULLONE
127850
LICENSED PROFESSIONAL ENGINEER

09/18/2025

Mill Mullone

JOB NO. 12076.001

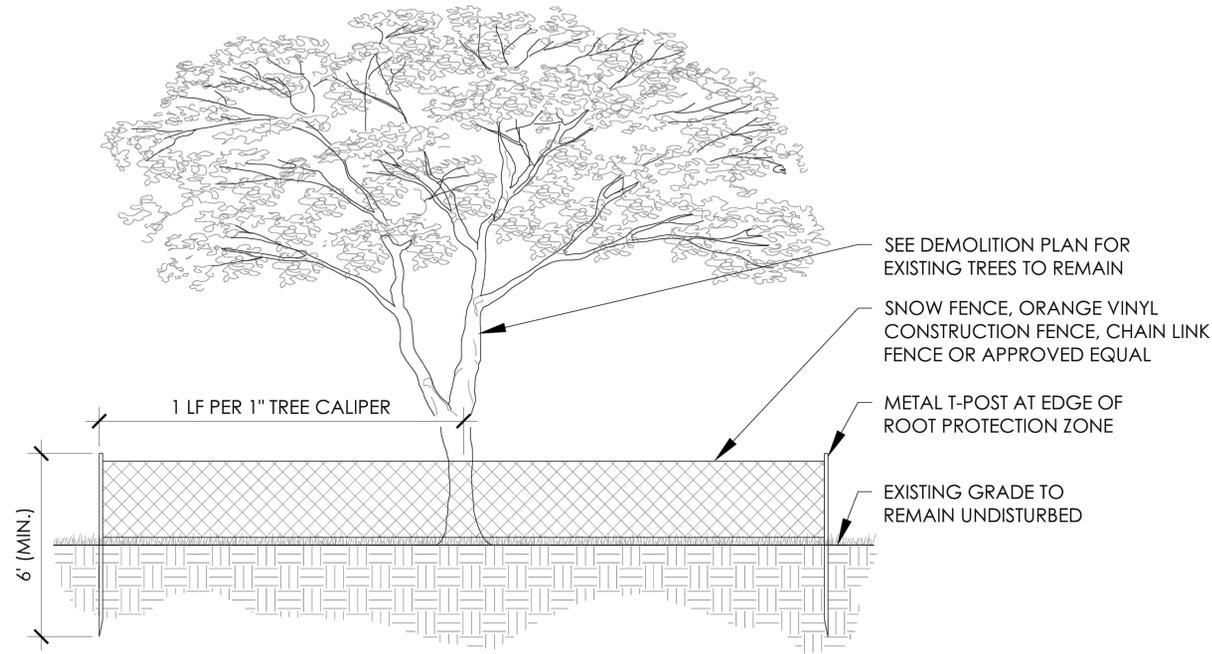
DESIGNED BY: MM

DRAWN BY: NDC

CHECKED BY: MM

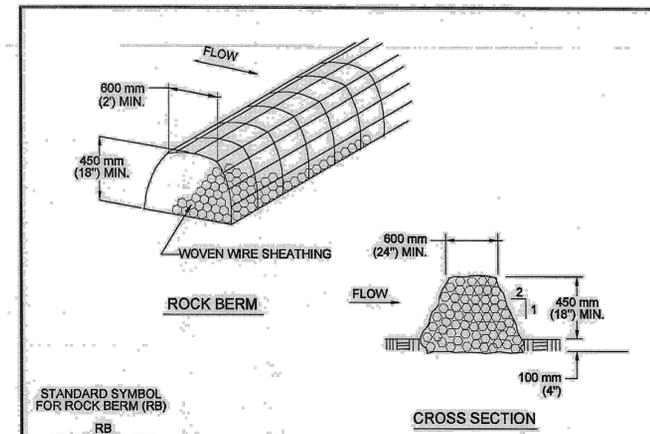
DATE: 08/04/2025

SHEET: C8.02



TREE PROTECTION FENCING

SCALE: N.T.S.



STANDARD SYMBOL FOR ROCK BERM (RB)

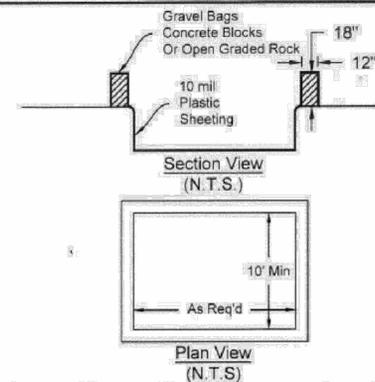
CROSS SECTION

- NOTES:
1. USE ONLY OPEN GRADED ROCK 75 TO 125 mm (3 TO 5") DIAMETER FOR ALL CONDITIONS.
 2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE).
 3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
 4. IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTATION PROBLEM.
 5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
ADOPTED 8/24/2010

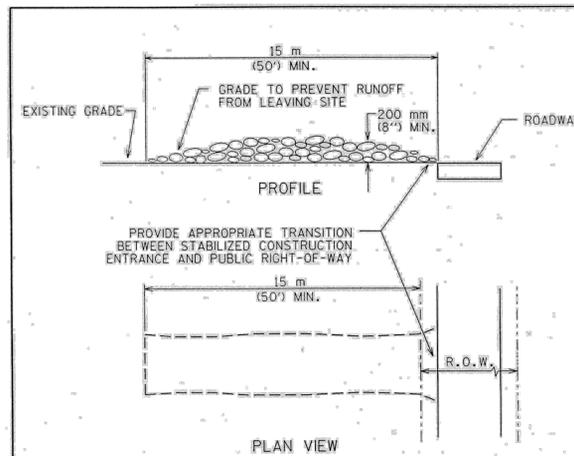
ROCK BERM
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 639S-1



Alternative Self-Installed Construction Site Concrete Truck Washout

1. The excavation for the concrete truck washout shall be a minimum of 10' wide and of sufficient length and depth to accommodate 7 gallons of washout water and concrete per truck per day and/or 50 gallons of washout water and concrete per pump truck per day.
2. In the event that the self-installed concrete truck washout is constructed above ground, it shall be 10' wide and 10' long with the same requirements for containment as described in item 1.
3. The containment area shall be lined with 10 mil plastic sheeting, without holes or tears. Where there are seams, these shall be secured according to manufacturers directions.
4. The plastic sheeting shall be of sufficient size so that it will overlap the top of the containment area and be wrapped around the gravel bags, concrete blocks or open graded rock as least 2 times.
5. The gravel bags or concrete blocks shall be placed abutting each other to form a continuous berm around the outer perimeter of the containment area.
6. The berm consisting of gravel bags, concrete blocks or open graded rock shall be no less than 18" high and no less than 12" wide.
7. The containment area shall not exceed 50% of capacity at any one time.
8. Solids shall be removed from containment area and disposed of properly and any damage to the plastic sheeting shall be repaired or sheeting replaced before next use.

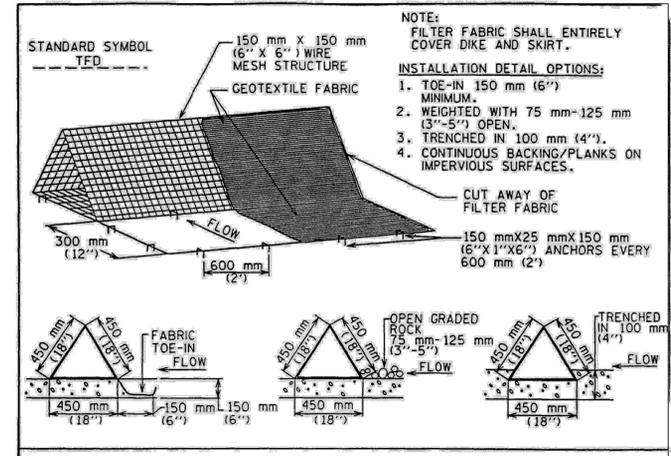


- NOTES:
1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
 2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
 3. THICKNESS: NOT LESS THAN 200 mm (8").
 4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
 5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
 6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
 7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
ADOPTED 8/23/10

STABILIZED CONSTRUCTION ENTRANCE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 641S-1



- GENERAL NOTES
1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
 2. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
 3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 75-125 mm (3-5") OPEN GRADED ROCK OR TOE-IN 150 mm (6") WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED IN 100 mm (4").
 4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 150 mm (6") WIRE STAPLES ON 600 mm (2') CENTERS ON BOTH EDGES AND SKIRT, OR STAKE USING 10M (3/8") DIAMETER RE-BAR WITH TEE ENDS.
 5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 150 mm (6") TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
 6. THE DIKE STRUCTURE SHALL BE MW40-150 mm x 150 mm 16 GA. 6" x 6" WIRE MESH, 450 mm (18") ON A SIDE.
 7. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
 8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6") AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
 9. AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN GENERAL NOTE 8 ABOVE.

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT
ADOPTED 3-27-10

TRIANGULAR SEDIMENT FILTER DIKE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 628S

NO.	DATE	DESCRIPTION

EROSION CONTROL DETAILS

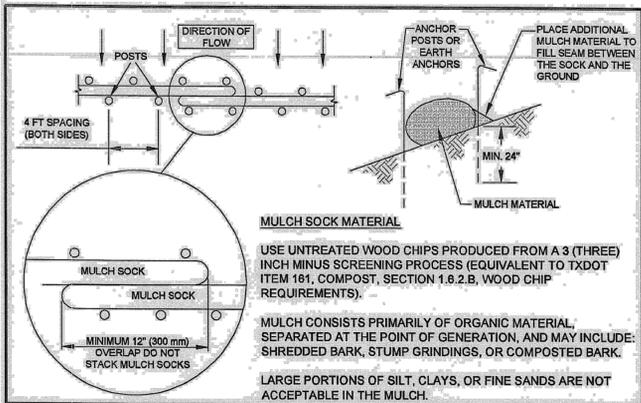


SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623



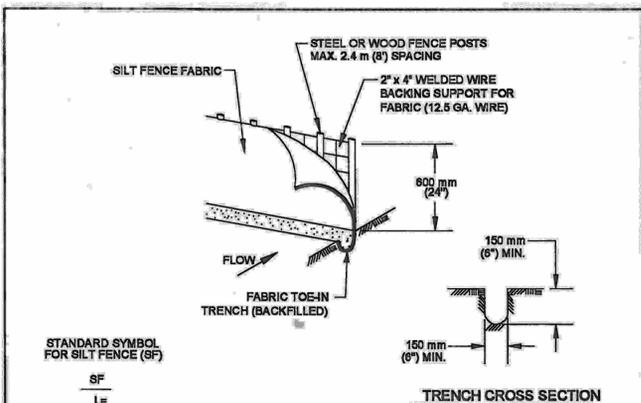
JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET: C8.04



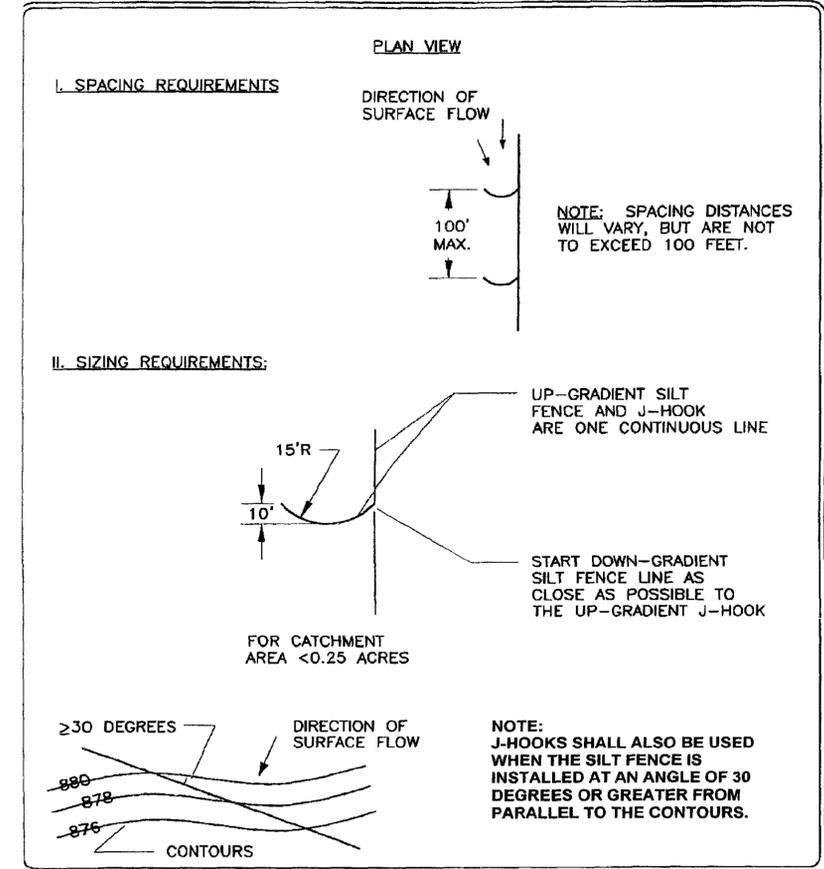
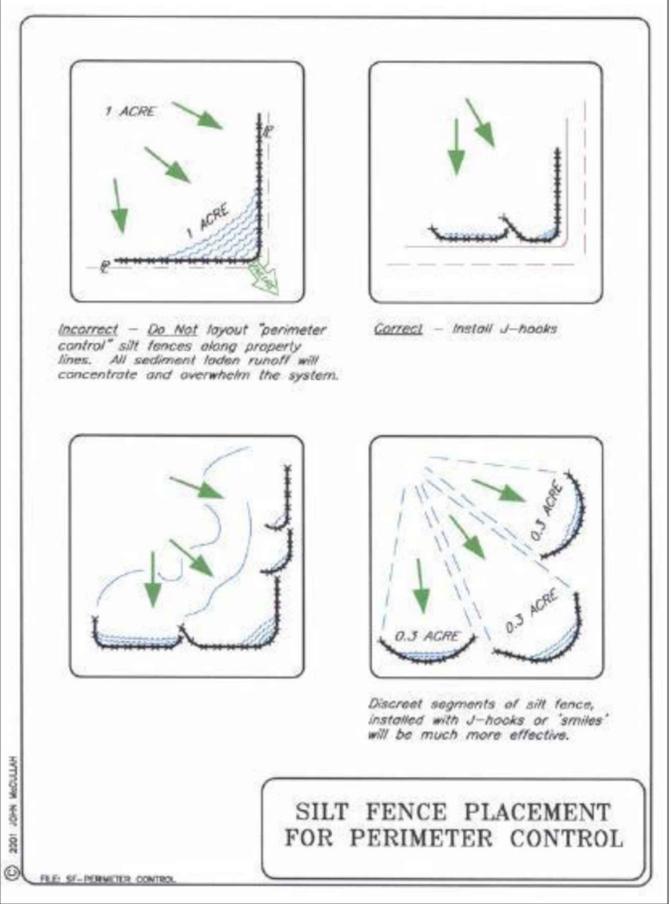
- NOTES:**
1. STEEL OR WOOD POSTS WHICH SUPPORT THE MULCH SOCK SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 600mm (24 inches). IF WOOD POSTS CANNOT ACHIEVE 600mm (24 inches) DEPTH, USE STEEL POSTS. EARTH ANCHORS ARE ALSO ACCEPTABLE.
 2. THE TOE OF THE MULCH SOCK SHALL BE PLACED SO THAT THE MULCH SOCK IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. IN ORDER TO PREVENT WATER FROM FLOWING BETWEEN THE JOINTS OF ADJACENT ENDS OF MULCH SOCKS, LAP THE ENDS OF ADJACENT MULCH SOCKS A MINIMUM OF 300mm (12 inches).
 3. MULCH MATERIAL MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH; IT IS NOT ACCEPTABLE FOR THE MULCH MATERIAL TO CONTAIN GROUND CONSTRUCTION DEBRIS, BIOSOLIDS, OR MANURE.
 4. SOCK MATERIAL WILL BE 100% BIODEGRADABLE, PHOTODEGRADABLE, OR RECYCLABLE SUCH AS BURLAP, TWINE, UV PHOTODEGRADABLE PLASTIC, POLYESTER, OR ANY OTHER ACCEPTABLE MATERIAL.
 5. MULCH SOCKS SHOULD BE USED AT THE BASE OF SLOPES NO STEEPER THAN 2:1 AND SHOULD NOT EXCEED THE MAXIMUM SPACING CRITERIA PROVIDED IN CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL TABLE 1.4.5.F.1 FOR A GIVEN SLOPE CATEGORY.
 6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		MULCH SOCK	
<i>Thompson</i>	09/24/2010 ADOPTED	STANDARD NO. 648S-1	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



- STANDARD SYMBOL FOR SILT FENCE (SF)**
- SF
L=
- TRENCH CROSS SECTION**
1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 inches) DEPTH, USE STEEL POSTS.
 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.
 3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 inches) DEEP AND 150 mm (6 inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
 4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.
 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 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		SILT FENCE	
<i>Thompson</i>	9/1/2011 ADOPTED	STANDARD NO. 642S-1	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



NO.	DATE	DESCRIPTION

EROSION CONTROL DETAILS

DUNAWAY

5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
(TX REG. #1114)

SENTINEL PEAK PARK
AT OLD BOY SCOUT RANCH
5800 FARM TO MARKET 32,
FISCHER, TX 78623

STATE OF TEXAS
MICHAEL C. MULLONE
127850
LICENSED PROFESSIONAL ENGINEER
09/18/2025
Mike Mullone

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025

SHEET:
C8.04

FILE PATH: P:\13\2005\02\20\1601\DWG\130401PR SHEET\PAVE.DWG
PLOT DATE: Thursday, September 18, 2025
PLOT TIME: 10:50:07 AM



ATTACHMENT E – EQUIVALENT WATER QUALITY PROTECTION



ATTACHMENT E – EQUIVALENT WATER QUALITY PROTECTION

An exception is being requested from 30 TAC 213, Subchapter B, §213.21, Applicability and Person or Entity Required to Apply. The project is located in Hays County within the contributing zone to the Edwards Aquifer and is being submitted as a Contributing Zone Plan (CZP) Exception rather than a full CZP.

Under 30 TAC 213, Subchapter B, §213.20, state regulations for the contributing zone are intended to protect surface streams that recharge the Edwards Aquifer and preserve the beneficial uses of groundwater. Section 213.26(a) allows an exception when a project can demonstrate equivalent protection of water quality for streams entering the recharge zone.

The total property boundary area is 533.1 acres, as shown in Attachment B. The proposed improvements will be located within a Limits of Construction (LOC) area of 9.8 acres.

The overall existing impervious cover is 13.1 acres spread out over the 533.1-acre property or 2.4% impervious cover. The proposed improvements will be located within the LOC area of 9.8 acres. The existing impervious cover inside the LOC is 1.7 acres. The proposed project will demolish and remove the 1.7 acres of impervious cover. The proposed project will add 1.6 acres of new impervious cover. This will result in a net decrease of 0.1 acres in overall impervious cover. The proposed impervious cover areas are located in the same LOC area as the existing impervious cover. The new overall impervious cover will be 13.0 acres or 2.4 %.

There are no permanent BMPs proposed with the project. All existing impervious cover was constructed before 1999, prior to TCEQ's water quality control requirements for the contributing zone; therefore, no permanent controls were required at the time. The proposed work reduces impervious cover, is limited to previously disturbed areas, and does not introduce impacts significant enough to warrant new water quality controls. Therefore, the project does not increase risk to surface streams that recharge the Edwards Aquifer.



Stormwater Pollution Prevention Plan (SWPPP)



FISHER
– ENVIRONMENTAL –

Stormwater Pollution Prevention Plan (SWPPP)

TPDES Authorization No. TXR1516WS

For Construction Activities At:

Sentinel Peak Park at Old Boy Scout Ranch
5800 Farm to Market 32
Fischer, TX 78623

SWP3 Prepared For:

Spaw-Glass, Inc.
9331 Corporate Drive
Selma, TX 78154

SWP3 Prepared By:

Fisher Environmental Services
530 Cactus Flower St
San Antonio, Tx 78260
210-363-9343

SWP3 Preparation Date:

11/17/2025

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Section 1: Project/Site Information

1.1 Nature of Construction Activity and Project Information

Project/Site Name and Address	
Project/Site Name: Sentinel Peak Park at Old Boy Scout Ranch	
Project/Site Street/Location: 5800 Farm to Market 32	
City: Fischer	County: Comal & Hays
State: Texas	ZIP Code: 78623

General Description of the Nature of the Construction Project/Site:
<p>The proposed construction project at Sentinel Peak Park (Old Boy Scout Ranch), Fischer, Texas involves site development and installation of multiple facilities and supporting infrastructure within a previously undeveloped or lightly developed property. The work includes construction of a multi-purpose building, water storage tank and pump house, guard shack, and associated site improvements. Construction will primarily include erosion and sediment controls, clearing, grading, demolition, excavation, trenching, and utilities.</p>

Project Area Data
Estimated project start date: November 2025
Estimated project end date: January 2027
Total area of the construction site: 9.79 (acres)
Estimated area to be disturbed: 9.79 (acres)
Purpose of the Construction Project/Site: <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Pipeline <input type="checkbox"/> Road/Bridge <input checked="" type="checkbox"/> Other(s), please specify: Park Improvements

Riverside

Project Latitude/Longitude

(Physical entrance **OR** for linear project, include latitude/longitude of start and end points)

Latitude:

Longitude:

29.9590° N

-98.1744° W

Method for determining latitude/longitude:

Google Earth

EPA Website

USGS topographic map

TCEQ Maps

Description of soil types or the quality of any discharge from the site:

Comal and Hays Counties, Texas (TX604)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BtG	Brackett-Rock outcrop-Real complex, 8 to 30 percent slopes	1.3	28.2%
SeD	Seawillow clay loam, 3 to 8 percent slopes	0.2	3.3%
SuA	Sunev silty clay loam, 0 to 1 percent slopes	2.9	63.3%
W	Water	0.2	5.1%
Totals for Area of Interest		4.5	100.0%



Hillside

Project Latitude/Longitude

(Physical entrance **OR** for linear project, include latitude/longitude of start and end points)

Latitude:

29.9559° N

Longitude:

-98.1782° W

Method for determining latitude/longitude:

Google Earth

EPA Website

USGS topographic map

TCEQ Maps

Description of soil types or the quality of any discharge from the site:

Comal and Hays Counties, Texas (TX604)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BtG	Brackett-Rock outcrop-Real complex, 8 to 30 percent slopes	7.4	100.0%
Totals for Area of Interest		7.4	100.0%



Guard Shack

Project Latitude/Longitude

(Physical entrance OR for linear project, include latitude/longitude of start and end points)

Latitude:

29.9489° N

Longitude:

-98.1802° W

Method for determining latitude/longitude:

Google Earth

EPA Website

USGS topographic map

TCEQ Maps

Description of soil types or the quality of any discharge from the site:

Comal and Hays Counties, Texas (TX604)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BtD	Brackett-Rock outcrop-Comfort complex, 1 to 8 percent slopes	0.7	100.0%
Totals for Area of Interest		0.7	100.0%



1.2 Operators and Contractor's Contact Information

Owner/Operators Information:		
Name: Hays County Parks & Natural Resources		
Address: 1699 MT. Sharp Road		
City: Wimberly	State: Texas	Zip Code: 78676
Telephone Number: 512-214-4593		
Email address:		
TPDES Authorization Number: TXR15		

Contractor's Information:		
Name: Spaw-Glass, Inc.		
Address: 9331 Corporate Drive		
City: Selma	State: Texas	Zip Code: 78154
Telephone Number: 210-651-9000		
Email address: Grady.Carlson@spawglass.com		
TPDES Authorization Number: TXR1516WS		

Sub-Contractor's Information (if applicable):		
Name: AK Fuquay		
Address:		
City:	State:	Zip Code:
Telephone Number:		
Email address:		

SWP3 Preparer Contact Information
SWP3 Preparer Contact Name: Dylan Doty, CPESC/PG
Telephone number: 210-363-9343
Email address: dylan.doty@fisherenviron.com

1.3 Construction Support Activities

List of construction support activities that will be present at the construction project/site:

Type of Construction Support Activities	Will be Present at the Construction Site?
Onsite Equipment Staging Yards	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Onsite Material Storage Areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Offsite Excavated Material Disposal Areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Offsite Borrow Areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Onsite Concrete Batch Plant	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Onsite Asphalt Plant	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(add others below if applicable)	
	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No

1.4 Sequence of construction activities that will disturb soils for major portions of the site.

No.	Sequence of Construction Activities	Estimated Start Date	Approx. Duration (in Days)
1.	Install temporary erosion & sediment controls as indicated on the approved construction plans.		
2.	Begin initial site clearing, rough grading, and excavation.		
3.	Begin trenching areas for utility work.		
4.	Install underground utility mains and services.		
5.	Begin foundation work for proposed structure(s).		
6.	Begin vertical construction of proposed structure(s).		
7.	Begin site paving operations.		
8.	Finalize construction, landscaping, and site stabilization. obtain concurrence from the owner, engineer, and local inspector, that all site areas have been fully stabilized and all construction has been completed.		
9.	Remove all remaining temporary erosion and sediment control BMPs.		
10.	Stabilize any areas disturbed by the removal of temporary BMPs.		
11.	Follow close-out procedures with the city.		

1.5 Allowable Non-Stormwater Discharges

List of allowable non-stormwater discharges that may be present at the construction site:

No.	Type of Allowable Non-Stormwater Discharge	Likely to be Present at Construction Site?
1.	Fire hydrant flushing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	Waters used to wash vehicles and equipment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Uncontaminated water used to control dust	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	Potable water including uncontaminated water line flushing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.	Routine external building wash down	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6.	Pavement washing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.	Uncontaminated air conditioning or compressor condensate	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8.	Uncontaminated, non-turbid discharges of ground water or spring water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
9.	Foundation or footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
10.	Landscape Irrigation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11.	Discharges from emergency fire-fighting activities	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.	Uncontaminated construction dewatering	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Section 2: Receiving Waters and Site Maps

2.1 Receiving Waters

Receiving Water body Information: Stormwater discharges from this construction project will potentially flow to the following receiving water body(ies):

No.	Name of the Receiving Waters	TCEQ Segment ID Number	Will the receiving waters be disturbed?	Location of the Receiving Waters
1.	Unnamed Tributary		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	North of "Guard Shack" & South of "Hillside".
2.	Upper Blanco River	1813	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	From a point 0.3 km (0.2 mi) upstream of Limekiln Road in Hays County to the confluence of Meier Creek in Kendall County. NE of project.

Is the project located within the Edwards Aquifer Recharge Zone or the Edwards Aquifer Contributing Zone?

Yes No

If yes, provide the TCEQ Edwards Aquifer permit number associated with the site:

N/A-See exemption comments from TCEQ in Attachment J of this SWPPP.

Does the project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)?

Yes No

If yes, provide the name and address of the MS4 operator:

Name of MS4: Hays County

Address: 712 S. Stagecoach Trail, San Marcos, TX 78666

2.2 General Location Map

- A **general location map** is included in **Attachment A** of this SWP3.

2.3 Site Map

The SWP3 includes a site map or series of site maps (or erosion and sediment control plans) showing all of the criteria listed below:

- i. **property boundary(ies);**
- ii. **drainage patterns**
- iii. **areas where soil disturbance will occur**
- iv. **locations of all controls and buffers, either planned or in place;**
- v. **locations where temporary or permanent stabilization practices are expected to be used;**
- vi. **locations of construction support activities, including those located off-site;**
- vii. **surface waters (including wetlands) either at, adjacent, or in close proximity to the site**
- viii. **locations where stormwater discharges from the site directly to a surface water body or a municipal separate storm sewer system;**
- ix. **vehicle wash areas; and**
- x. **designated points on the site where vehicles will exit onto paved roads**

- The site map or series of maps for this site can be found in **Attachment B** of this SWP3.

Section 3: Construction Site Pollutants

3.1 Pollutant-Generating Activities

Potential sources of sediment to stormwater runoff:

No.	Potential Sediment Pollutant/Activity	Likely to be Present at Construction Site?
1.	Clearing and topsoil stripping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	Grading and/or excavation operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Fill or imported materials (sand, gravel, road base, etc.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	Stockpiled material (topsoil, spoils)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.	Trenching	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.	Vehicle Tracking	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.		<input type="checkbox"/> Yes <input type="checkbox"/> No
8.		<input type="checkbox"/> Yes <input type="checkbox"/> No

Potential sources of pollutants, other than sediment, to stormwater runoff:

No.	Potential Pollutant (other than sediment)	Likely to be Present at Construction Site?
1.	Staging or storage areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	Small re-fueling activities & minor equipment maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Portable toilets or temporary sanitary facilities	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	Using general building materials (solvents, adhesives, paints, lubricants)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.	Concrete washout, mortar, flowable fill	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.	Paving Operations (asphalt and asphalt primer)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.	Concrete curing compounds and form release agents	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8.	Construction waste, trash and debris	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9.		<input type="checkbox"/> Yes <input type="checkbox"/> No

3.2 List of Potential Pollutants

List of Pollutants that can be present at the construction site:

Check if used	Materials or Chemicals	Stormwater Pollutants	Location at the Site
<input checked="" type="checkbox"/>	Dirt from disturbed areas	Sediment	Site-wide, at cleared and graded areas
<input checked="" type="checkbox"/>	Cleaning solvents	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	Potentially used during equipment maintenance or repairs. Locations will vary
<input checked="" type="checkbox"/>	Asphalt	Oil, petroleum distillates	Paving Operations
<input checked="" type="checkbox"/>	Concrete	Limestone, sand, chromium	Sidewalks, building pads, curbs, etc.
<input checked="" type="checkbox"/>	Glue, adhesives, sealants	Polymers, epoxies	Building Materials
<input checked="" type="checkbox"/>	Paints, stains, lacquers	Metal oxides, Stoddard solvent, calcium carbonate, arsenic	Building Materials
<input checked="" type="checkbox"/>	Curing compounds	Naphtha	Concrete Operations
<input checked="" type="checkbox"/>	Wood preservatives	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	Building Materials
<input checked="" type="checkbox"/>	Hydraulic oil/fluids	Mineral oil	Used in construction equipment and tools. Locations will vary
<input checked="" type="checkbox"/>	Gasoline	Benzene, ethyl benzene, toluene, xylene, MTBE	Used in construction equipment and tools. Locations will vary
<input checked="" type="checkbox"/>	Diesel Fuel	Petroleum distillate, oil & grease, naphthalene, xylenes	Used in construction equipment and tools. Locations will vary
<input checked="" type="checkbox"/>	Antifreeze/coolant	Ethylene glycol, propylene glycol, heavy metals	Used in construction equipment. Locations will vary
<input checked="" type="checkbox"/>	Sanitary toilets	Sanitary waste and deodorizing chemicals	Used in portable toilets
<input checked="" type="checkbox"/>	Plaster	Calcium sulphate, calcium carbonate, sulfuric acid	Building Materials
<input type="checkbox"/>	Pesticides (insecticides, fungicides, herbicides, rodenticides)	Chlorinated, hydrocarbons, organophosphates, carbonates	
<input checked="" type="checkbox"/>	Fertilizer	Nitrogen, phosphorous	At all areas to be revegetated
<input type="checkbox"/>			
<input type="checkbox"/>			

Section 4: Compliance with Federal Requirements

4.1 Endangered or Threatened Species Protection

Discharges that would adversely affect a listed endangered or threatened aquatic or aquatic-dependent species or its critical habitat are not authorized by the TXR15 permit unless the requirements of the Endangered Species Act are satisfied. Federal requirements related to endangered species apply to all TPDES permitted discharges and site-specific controls may be required to ensure that protection of endangered or threatened species is achieved. If a permittee has concerns over potential impacts to listed species, the permittee may contact TCEQ for additional information.

Is there threatened or endangered aquatic species or critical habitat located at this site?

Yes No

If yes, provide data here:

Name of Aquatic Species	Will discharges adversely affect endangered aquatic species or habitat?	Location of the Critical Habitat	Is Documentation of compliance with The Endangered Species Act included within the SWPPP?
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

Endangered species habitat information was obtained from the following U.S. Fish and Wildlife website:
[Critical Habitat for Threatened & Endangered Species \[USFWS\]](#)

Report A Violation

Please contact the USFWS if you see a possible violation of a federal marine resource law.

National - (800) 853-1964

Federal listed, proposed threatened, endangered species, critical habitat, state listed species, candidate species, and migratory birds.

REQUIRED ACTION

Migratory Bird Nest: (If needed) schedule construction activity to meet following requirements.

A. Do not remove or destroy any active migratory bird nest (nest containing eggs and/or flightless birds) at any time. If there are any active nest, they shall not be removed until the nest become inactive.

B. On/in structures, if there are any active nest, they shall not be removed until all nest become inactive. After inactive nest are removed and/or before nest activity begins, deterrent materials may be applied to the structures to prevent future building of nest.

If any of the list species are observed, cease work in the immediate area, do not disturb species or habitat and contact the Inspector immediately. If caves or sinkholes are discovered, cease work in the immediate area, and contact the Inspector immediately.

4.2 Federal, State, or Local Historic Preservation Laws

Will stormwater discharges or stormwater discharge-related activities (e.g., catch basin, pond, culvert, etc.) affect a property that is protected by Federal, State, or local historic preservation laws? Yes No

If yes, describe any actions taken to mitigate those effects:

Historical information was obtained from the following website:

<https://www.nps.gov/subjects/nationalregister/index.htm>

4.3 TMDL Requirements

Does the construction project/site discharge stormwater into an impaired water body on the latest EPA-approved CWA 303(d) list of waters with an EPA-approved or established TMDL that are found on the latest EPA-approved Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d) (which lists the category 4 and 5)?

Yes No

If yes, new sources or new discharges of the pollutants of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standards and are listed as category 4 or 5 in the current version of the CWA 305(b) and 303(d) list. Pollutants of concern are those for which the water body is listed as impaired.

Discharges of the pollutants of concern to impaired water bodies for which there is a TMDL are not eligible for coverage under the TPDES General Permit unless they are consistent with the approved TMDL.

<u>Segment ID</u>	<u>Segment Name</u>	<u>Assessment Unit</u>	<u>Impairment Parameter</u>	<u>Impairment Category</u>
1813	Upper Blanco River	N/A	N/A	N/A

Category 4: Available data and/or information indicate that at least one designated use is not being supported or is threatened, but a TMDL is not needed.

Category 4a: A state-developed TMDL has been approved by EPA or a TMDL has been established by EPA for any water-pollutant combination.

Category 4b: Other required control measures are expected to result in the attainment of an applicable water quality standard in a reasonable period of time.

Category 4c: The impairment or threat is not caused by a pollutant.

Category 5: Available data and/or information indicate that at least one designated use is not being supported or is threatened, and a TMDL is needed.

Category 5a: A TMDL is underway, scheduled, or will be scheduled.

Category 5b: A review of the standards for the water body will be conducted before a management strategy is selected.

Category 5c: Additional data and information will be collected or evaluated before a management strategy is selected.

Category 5n: Water body does not meet its applicable Chl a criterion, but additional study is needed to verify whether exceedance is associated with causal nutrient parameters or impacts to response variables.

Category 5r: A WPP is under development or accepted by EPA for this parameter.

TMDL information was obtained from the following website:

[2024 Texas IR 303\(d\) Report - Texas Commission on Environmental Quality - www.tceq.texas.gov](https://www.tceq.texas.gov/2024-Texas-IR-303(d)-Report)

Section 5: Stormwater Control Measures

The purpose of the implementation of different stormwater pollution controls is to reduce pollutants in the stormwater and the volume of stormwater leaving the construction site. All pollution control measures should be selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices.

5.1 Stabilization Practices

Type of Site Stabilization Practice(s) that will be implementing at the construction project/site (select all that apply):

- Temporary
 Permanent
 Vegetative
 Non-Vegetative

Deadline to Initiate Stabilization: stabilization measures are required whenever earth-disturbing activities have permanently or temporarily ceased on any portion of the site and will not resume for a period of 14 or more calendar days.

Temporary Stabilization
The following controls/BMPs will be used to temporarily stabilize exposed portions of the construction site:
<input type="checkbox"/> Rolled erosion control products such as matting or straw blankets <input type="checkbox"/> Hydroseeding <input type="checkbox"/> Soil binders <input type="checkbox"/> Straw mulch or wood mulch <input type="checkbox"/> Compost Blankets <input type="checkbox"/> Drill seeding or broadcast seeding <input type="checkbox"/> Other <input checked="" type="checkbox"/> Temporary stabilization will likely not be required

Permanent Stabilization
The following controls/BMPs will be used to permanently stabilize exposed portions of the construction site:
<input type="checkbox"/> Rolled erosion control products such as matting or straw blankets <input type="checkbox"/> Hydroseeding <input checked="" type="checkbox"/> Sod and/or landscaping <input type="checkbox"/> Drill seeding or broadcast seeding <input type="checkbox"/> Other:

To achieve final stabilization, all soil disturbing activities at the site must be completed and a uniform perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as rip rap or gabions). Final stabilization must be achieved prior to termination of permit coverage.

Site Stabilization Record: A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated must be included with the plan.

A record of the dates when grading activities occur will be documented using the Grading & Stabilization Activity logs in **Attachment H** of this SWP3.

If not, explain why: _____

5.2 Natural Buffers and/or Equivalent Sediment Controls

Natural Buffer Compliance

Appropriate natural buffers around surface water in the state must be provided and maintained. Direct stormwater to vegetated areas and maximize stormwater infiltration to reduce pollutant discharges, unless infeasible. If providing buffers is infeasible, the permittee should document the reason that natural buffers are infeasible and should implement additional erosion and sediment controls to reduce sediment load.

Are surface waters within close proximity of the site (within 1 mile of the site)?

Yes No

If yes, will a natural buffer be implemented?

Yes No (Not Feasible)

If a natural buffer is not feasible, the following additional erosion and sediment controls will be used to achieve the sediment load reduction similar to a natural buffer:

The erosion and sediment controls specified to achieve sediment load reduction comparable to a natural buffer include proposed silt fences, mulch socks, rock berms, these layered BMPs provide filtration, velocity reduction, and sediment trapping capacity that collectively mimic the pollutant removal functions of a vegetated buffer along the river corridor.

Rationale for concluding that it is infeasible to provide and maintain a natural buffer of any size:

The project lies immediately adjacent to the Blanco River corridor and existing concrete retaining wall, with construction activities (multi-purpose building pad, staging/spoils area, and access improvements) located within close proximity to these features. The limits of construction extend directly to the edge of existing infrastructure, leaving no available width to establish or maintain a vegetated buffer strip between disturbed areas and the receiving water. Heavy equipment restrictions within 10 feet of the concrete wall further constrain available space, and steep slopes (>3:1) require engineered slope protection rather than vegetated buffers.

Note – TCEQ does not consider stormwater control features (e.g. stormwater conveyance channels, storm drain inlets, sediment basins) to constitute “surface water” for the purpose of triggering the buffer requirement.

5.3 Structural Controls/Best Management Practices (BMPs)

The table below lists Structural and Non-Structural Sediment Controls/Best Management Practices (BMPs) used to meet the non-numeric technology-based effluent limitations and applicable numeric technology-based effluent limitations.

The following BMPs will be used or implemented at the construction project/site:

Erosion Controls		Sediment Controls	
<input checked="" type="checkbox"/>	Preservation of Existing Vegetation	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	Vegetated Swales	<input type="checkbox"/>	Silt Dikes
<input type="checkbox"/>	Hydroseeding	<input type="checkbox"/>	Compost Sock
<input type="checkbox"/>	Hydraulic Mulch	<input type="checkbox"/>	Check Dam
<input type="checkbox"/>	Wood Mulching	<input checked="" type="checkbox"/>	Mulch Rolls or Fiber Rolls
<input type="checkbox"/>	Straw Mulching	<input type="checkbox"/>	Storm Drain Inlet Protection
<input type="checkbox"/>	Compost Blankets	<input type="checkbox"/>	Outlet Protection/Velocity Dissipation Devices
<input type="checkbox"/>	Soil Binders	<input type="checkbox"/>	Earth Berms and Drainage Swales
<input type="checkbox"/>	Soil Stabilization Matting/Blankets	<input type="checkbox"/>	Sandbag Barrier
<input type="checkbox"/>	Soil Preparation/Roughening	<input type="checkbox"/>	Gravel Bag Berm/Barrier
<input type="checkbox"/>	Sod	<input type="checkbox"/>	Sediment Basin
<input type="checkbox"/>	Streambank Stabilization	<input type="checkbox"/>	Sediment Trap
Tracking Controls		<input type="checkbox"/>	Rip-rap
<input checked="" type="checkbox"/>	Stabilized Construction Entrance/Exit	<input checked="" type="checkbox"/>	Rock Berms or Gabions
<input type="checkbox"/>	Stabilized Construction Roadway	Non-Structural Controls	
<input type="checkbox"/>	Entrance/Exit Tire Wash	<input checked="" type="checkbox"/>	Phasing and Scheduling
<input checked="" type="checkbox"/>	Street Sweeping and Vacuuming	<input checked="" type="checkbox"/>	Dust Suppression
Other Structural Controls		<input checked="" type="checkbox"/>	Good Housekeeping
<input type="checkbox"/>	Vegetative Buffers	<input checked="" type="checkbox"/>	Preventive Maintenance
<input type="checkbox"/>	Non-Vegetative Stabilization	<input type="checkbox"/>	Preservation of Topsoil
<input checked="" type="checkbox"/>	Concrete Waste Management	<input type="checkbox"/>	Minimizing Soil Compaction
<input checked="" type="checkbox"/>	Dewatering Controls	<input type="checkbox"/>	Fertilizer Application Management
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	

5.3.1 Perimeter Control

Permit Requirement: *At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.*

To comply with the TXR15 permit, the following type of perimeter controls will be used at the construction site:

Perimeter Control Description	Location	Installation Date
Rock Berm	Several berms are planned throughout the project within high flow drainage areas. See sitemap for specific locations.	Prior to soil disturbing activity.
Silt Fence	Planned downslope of construction activity mostly along LOC of project locations and within interior as check fences. See sitemap for specific locations.	Prior to soil disturbing activity.
Mulch/Fiber Rolls	Planned within project limits in conjunction with silt fence in low flow drainage areas or areas where silt fence cannot be installed. See sitemap for specific locations. To be utilized around all soil/material stockpiles.	Prior to soil disturbing activity/as stockpiles are created.

Maintenance Requirements: Remove sediment before it has accumulated to one-half of the above-ground height of any perimeter control. Repair or replace silt fence that is torn or damaged. Address areas where the fence has been knocked down, undermined, or un-trenched.

5.3.2 Offsite Vehicle Tracking

Permit Requirement: *Track-out of sediment onto off-site streets, other paved areas, and sidewalks from vehicles exiting your construction site must be minimized.*

To comply with the TXR15 permit, the following type of sediment track-out control will be implemented:

Perimeter Control Description	Location	Installation Date
Stabilized Construction Entrance/Exit (SCE)	No SCEs are planned because project area is developed. General housekeeping should be performed to prevent any vehicle tracking from leaving project limits of construction.	Prior to construction.

Maintenance Requirements:

Tracking Removal/Cleaning: Promptly remove any sediment tracked onto paved roadways. Properly dispose of any sediment build-up on the construction entrance. Restore the construction entrance (if required) by adding rock and/or cleaning any measures used to trap sediment.

5.3.3 Velocity Dissipation Devices

Permit requirement: *Permittees shall place velocity dissipation devices at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to a water course, so that the natural physical and biological characteristics and functions are maintained and protected.*

5.3.4 Minimize Dust

Permit requirement: *minimize the generation of dust to avoid pollutant discharges to the extent feasible through application of water or other dust suppression techniques.*

Dust Control Description: To comply with the permit requirements and to avoid sediment pollutants from being discharged, a water truck or sprinklers can be used to minimize the generation of dust from the construction site.

5.3.5 Minimize the Disturbance of Steep Slopes

Permit requirement: *Disturbance of steep slopes (i.e., slopes of 40% or greater) must be minimized*

5.3.6 Preserve Topsoil

Permit requirement: *Preserve native topsoil on the site, unless infeasible; stockpile and reuse it in areas that will be stabilized with vegetation.*

Topsoil Control Description: Preserve and reuse native topsoil on site as much as possible and practicable.

5.3.7 Minimize Soil Compaction

Permit requirement: *In areas of the site where final vegetative stabilization will occur or where infiltration practices will be installed, soil compaction must be minimized.*

Soil Compaction Control Description: In areas of the site where final vegetative stabilization will occur or where infiltration practices will be installed, restrict vehicle and/or equipment use in these areas to avoid or minimize soil compaction.

5.3.8 Protection of Storm Drain Inlets

Permit requirement: *If discharging to a storm drain inlet, protection measures that remove sediment from the stormwater discharge must be installed on the inlet.*

To comply with the TXR15 permit, the following type of inlet protection devices will be used:

Description of Storm Drain Inlet Protection	Location(s)	Installation Date
Inlet Protection	N/A	N/A

Maintenance Requirements: Clean or remove and replace the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment.

5.3.9 Sedimentation Basins or Impoundments

Permit requirement: *A sedimentation basin or similar impoundment is required, where feasible, for a common drainage location that serves an area with ten or more acres disturbed at one time. A sedimentation basin may be temporary or permanent.*

Will the project disturb 10 or more acres within a common drainage location?

Yes No

If yes, is a permanent sediment or detention basin included in the project? Yes No

If yes, what is the designed capacity for the storage?

At least 3600 cubic feet of storage per acre

OR

2-year, 24-hour storm from each disturbed acre

OR

Other criteria were used to design basin: _____

If no, explain why no sedimentation basin was included and describe required natural buffer areas and other controls implemented instead:

Maintenance Requirements: Keep the sediment basin in effective operating condition and remove accumulated sediment to maintain at least ½ of the design capacity of the sediment basin at all times.

5.3.10 Dewatering Practices

Permit requirement: *Discharges from dewatering activities, including discharges from dewatering trenches and excavations, are prohibited, unless managed by appropriate controls to address sediment and prevent erosion.*

Operators must perform an inspection of the dewatering controls once per day while the dewatering discharge occurs.

Dewatering Practice Description: Permittees should design and utilize appropriate controls to minimize the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site. Examples of appropriate controls include de-watering bags, settling tanks, filtering devices, or sedimentation basins.

Inspection of Dewatering Controls: Personnel provided by the permittee must inspect dewatering controls at minimum of once per day on the days where dewatering discharges occur.

A copy of the Dewatering Inspection Log is included in [Attachment I](#) of this SWP3.

5.3.11 Permanent Stormwater Controls

(e.g. water quality pond, engineered filter strips, or detention basin)

Description of Permanent Stormwater Control	Location(s) Within the Site
Rain Garden	Planned South of proposed multi-building area.

Section 6: Pollution Prevention Controls

6.1 Spill Prevention and Response

Spill Prevention

Is there an existing Spill Prevention Control and Countermeasure (SPCC) plan developed for the site?

Yes No, if yes, keep a copy of the SPCC plan onsite with this SWP3.

If no, describe procedures for preventing, containing, and cleaning up spills, leaks, and other releases:

Spills are prevented by using proper transporting, storage, and handling practices. Equipment at the site should be inspected for leaks before being operated each day. If leaks are discovered, the leak should be contained, and efforts implemented to stop the leak. The spilled pollutant should be properly cleaned and disposed appropriately per local regulations and requirements. Contaminated soils should be excavated and disposed appropriately. A spill kit should be readily available to equipment operators.

Emergency Spill Notification

In case of a toxic or hazardous material spill, notify:	Phone Numbers
TCEQ Spill Website: www.tceq.texas.gov/response/spills/spill_rq.html	512-239-1000
State of Texas Spill Reporting Hotline	1-800-832-8224
NRC (National Response Center)	1-800-424-8802

6.2 Waste Management Procedures

All wastes generated at the construction site, including, but not limited to, clearing and demolition debris, construction and employee trash, hazardous or toxic waste, and sanitary waste, should be prevented from being discharged to Waters of the State. The following BMP measures will be used to handle trash disposal, hazardous or toxic waste, sanitary waste, and proper material handling:

- Trash Dumpsters:** should be placed away from stormwater conveyances and drains. Only trash and construction debris from the site should be deposited in the dumpster. No construction materials should be buried on site. Dumpsters should be serviced regularly and not allowed to leak.
- Hazardous Waste Containment:** hazardous waste materials should be stored in appropriate and clearly marked containers.
- Portable Toilets:** portable toilets should be located away from stormwater inlets and conveyances. The toilets should be anchored to the ground to prevent being tipped or knocked over. Toilets should be checked regularly for leaks or spills.

- Proper Material Handling:** containers should be tightly sealed when not in use, and excess materials should be disposed of according to Texas requirements and/or manufacturer's recommendations. Liquid building materials should be stored, handled, and applied appropriately if considered a pollutant. When not in active use pollutants should be stored under cover or in sealed containers to prevent spills and leaks. Pollutants should not be washed out or dumped onto the ground. Pollutants should not be combined with storm water.

- Good housekeeping:** construction debris, trash, and other floatable material should be collected and prevented from becoming a pollutant source. Trash generated from employees should not be thrown on the ground or buried. Trash cans should be available at the site as needed and utilized to control litter from accumulating on the ground or blowing offsite.

- Minimizing exposure:** construction products, materials, chemicals, and wastes should be stored in a way that they are prevented from coming into contact with stormwater (e.g., plastic sheeting or temporary roofs).

- Designated concrete washout:** A designated concrete washout area should be implemented, utilized, and maintained. Concrete wash water should be directed into a leak-proof container or pit. The container or pit should be designed so that no overflows can occur due to inadequate sizing or precipitation and located away from surface waters and stormwater inlets or conveyances.

- Other:

6.3 Prohibited Discharges

The following discharges from the construction project/site are prohibited under the general permit and are considered a violation should any occur.

- Wastewater from washout of concrete, unless managed by an appropriate control (see Section 6.2)
- Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, unless managed by an appropriate control.
- Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
- Soaps or solvents used in vehicle and equipment washing; and
- Toxic or hazardous substances from a spill or other release.

Section 7: Procedures and Documentations

7.1 Maintenance and Repair

Ensure that all pollution prevention controls are installed correctly and remain in effective operating condition and are protected from activities that would reduce their effectiveness. All structural BMPs (i.e. Erosion & Sediment Controls) that require a repair of any kind (due to normal wear and tear, or as a result of damage) or require maintenance in order for the control to continue operating effectively should be maintained in accordance with the TPDES Construction General Permit requirements. Maintenance is required prior to the next anticipated rain event. At a minimum, maintenance should be performed in the following specific instances:

- for perimeter controls such as silt fence, rock berms, and mulch rolls: whenever sediment has accumulated to 50% or more of the above-ground height of the control.
- where sediment has been tracked-out onto the surface of off-site streets or other paved areas: sediment should be swept and removed or vacuumed from the street at least daily.
- for inlet protection measures: when sediment accumulates, the filter becomes clogged, and/or performance is compromised, the inlet protection devices should be cleaned.
- for sediment basins: sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%.
- For all structural BMPs: if inspection indicates a control has been used incorrectly, is not performing, or is damaged, the operator is required to replace or modify the control as soon as practicable after making the discovery.
- If sediment escapes the site, accumulations must be removed at a frequency that minimizes off-site impacts and prior to the next anticipated rain event.

7.2 Inspections

Personnel Responsible for Inspections:

Name(s) of Inspectors	Qualifications
Stuart Springer – Fisher Environmental	Certified Erosion, Sediment and Stormwater Inspector (CESSWI 8165)
Greg Smith – Fisher Environmental	Certified Inspector of Sediment and Erosion Control (CISEC 1396) Certified Stormwater Inspector (CSI-NPDES)
Dylan Doty – Fisher Environmental	Certified Erosion, Sediment and Storm Water Inspector (CESSWI 5103) Certified Professional Geologist (PG)
Derek Carter – Fisher Environmental	Certified Erosion, Sediment and Stormwater Inspector (CESSWI 13112)

General Procedures: During each inspection, the following areas of the construction site will be inspected:

- All stormwater controls (including sediment and erosion control measures identified in the SWP3) to ensure that they are installed properly, appear to be operational, and minimizing pollutants in discharges, as intended.
- Identify locations on the construction site where new or modified stormwater controls are necessary.
- Check for signs of visible erosion and sedimentation that can be attributed to the points of discharge where discharges leave the construction site or discharge into any surface water in the state flowing within or adjacent to the construction site.
- Identify any incidents of noncompliance observed during the inspection.
- Locations where vehicles enter or exit the site for evidence of off-site sediment tracking.

Inspection Frequency:

- Once every 7 calendar days**
- Once every 14 calendar days** and within 24 hours of the end of a storm event of 0.5 inches or greater.

Inspection Report Forms:

An Inspection Report Form has been prepared in accordance with the requirements of the TXR15 permit. A copy of the Inspection Report Form that will be used during construction of this project is included in [Attachment E](#) of this SWP3.

7.3 Corrective Actions

Corrective actions are actions taken to modify, replace, or reinstall any stormwater control used at the site; clean up and dispose of spills, releases, or other deposits; or remedy a permit violation. For any of the following conditions, a new or modified control should be installed **no later than 7 calendar days** from the discovery:

- A required stormwater BMP was never installed or was installed incorrectly, or not in accordance with the corresponding TCEQ permit requirement;
- A stormwater BMP needs to be repaired or replaced;
- A stormwater BMP is not effective enough for the discharge to meet applicable water quality standards;
- A prohibited discharge is occurring or has occurred; or
- TCEQ or MS4 Operator requires corrective action as a result of permit violations found during an inspection.

Operators should immediately take all reasonable steps to minimize or prevent the discharge of pollutants until a permanent solution is installed and made operational, including cleaning up any contaminated areas so that the material will not discharge in subsequent storm events.

Corrective actions taken based upon inspection findings will be documented within the inspection reports.

7.4 Record Keeping and Record Retention

Retain copies of the SWP3, Notice of Intent, Notice of Termination, logs, and all reports required by the TXR15 permit, for a **period of at least 3 years** from the date that the site reached final stabilized status.

7.5 Site Posting/Construction Site Notice

The TCEQ Construction Site Notice (CSN) is required to be posted near the main entrance of the site for the duration of the construction project. The following information is required on the CSN:

- The TPDES permit number for the project or a copy of the NOI if a permit number has not yet been assigned;
- The name and telephone number of a site contact person;
- A brief description of the project; and
- Location of the SWP3

A copy of the Construction Site Notice is included in [Attachment F](#) of this SWP3.

Section 8: Construction Support Activities

Concrete batch plants, asphalt batch plants, material processing areas, or other similar support activity is not expected at this construction project. Concrete and asphalt are expected to be trucked-in and not processed or manufactured onsite.

Section 9: SWP3 Certification

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

Signature of Primary Operator:

Signed: _____ **TPDES #:** TXR1516WS

Company: Spaw-Glass, Inc. **Date:** _____

If the SWP3 is shared by more than entity (other Operators):

Signed: _____ **TPDES #:** _____

Company: _____ **Date:** _____

Signed: _____ **TPDES #:** _____

Company: _____ **Date:** _____

Section 10: SWP3 Modifications

Records of SWPPP modifications or significant revisions are located in [Attachment G](#) of this SWP3.

Section 11: SWP3 Attachments & Additional Documentation

The following documentations are attached to the SWP3:

Attachment A – General Location Map

[A copy of general location map is included in Attachment A.](#)

Attachment B – Site Map(s)

[Copy of the site map\(s\) is/are included in Attachment B.](#)

Attachment C – TXR15 Permit Regulations

Note: it is helpful to keep a printed-out copy of the TXR15 permit so that it is accessible to you for easy reference. However, you do not need to formally incorporate the entire permit into your SWP3. As an alternative, you can include a reference to the permit and where it is kept at the site.

Attachment D – Notice of Intent (NOI)

[A copy of the NOI is included in Attachment D.](#)

Attachment E – Inspection Report Form

[A copy of the Routine Site Inspection Report Form is included in Attachment E.](#)

Attachment F – Site Posting/CSN

[A copy of the Construction Site Notice is included in Attachment F.](#)

Attachment G – SWP3 Modifications and Revisions Log

[Significant SWP3 Modifications or Revisions are included in Attachment G.](#)

Attachment H – Site Stabilization Log

[A copy of Site Stabilization Log is included in Attachment H.](#)

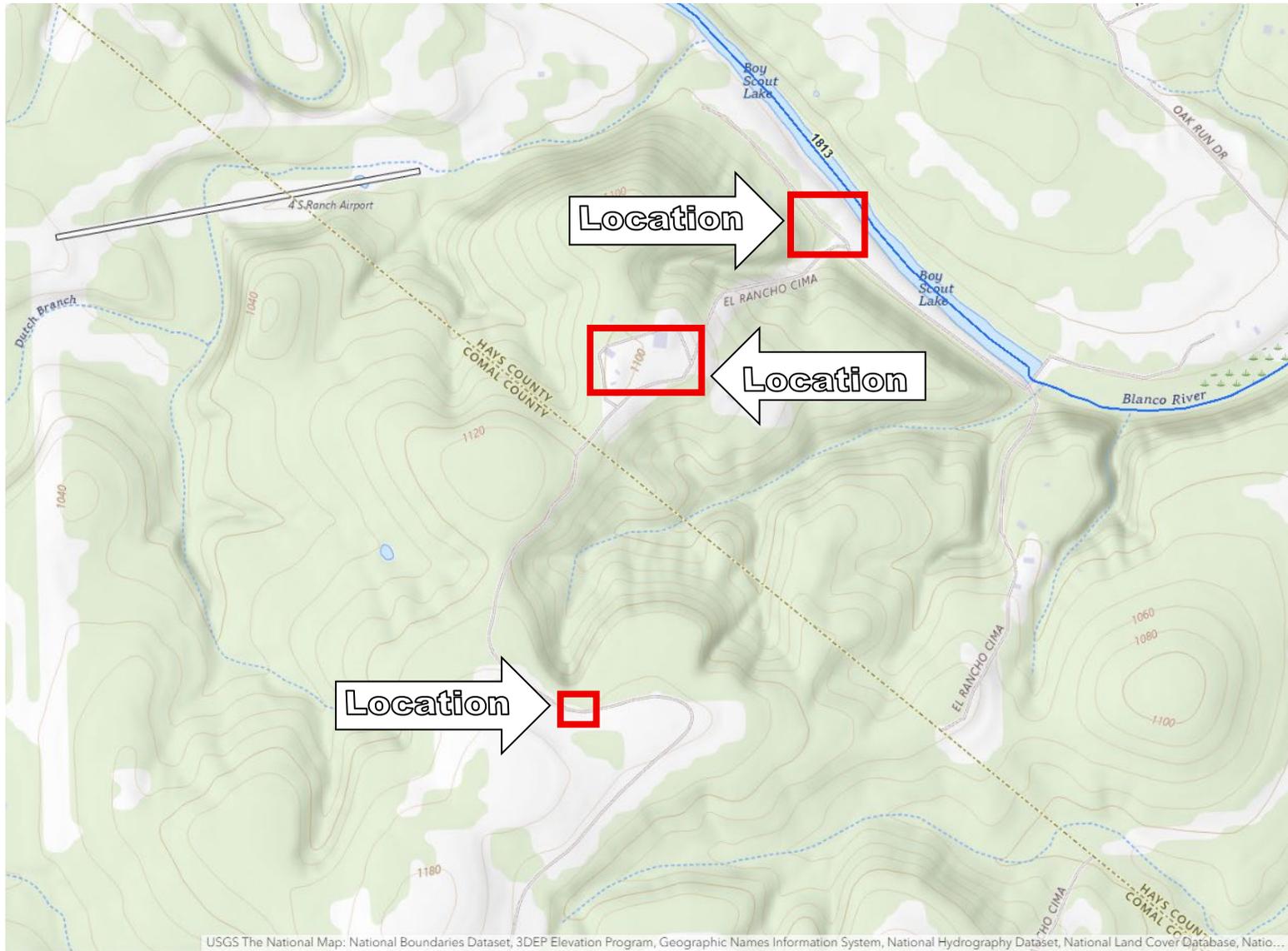
Attachment I – Dewatering Inspection Log

[A copy of Dewatering Inspections are included in Attachment I.](#)

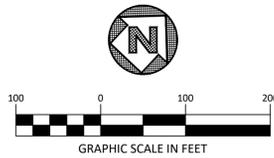
Attachment J – Notice of Termination and Other Documentations

[Any other Documentation required by the permit is included in Attachment J.](#)

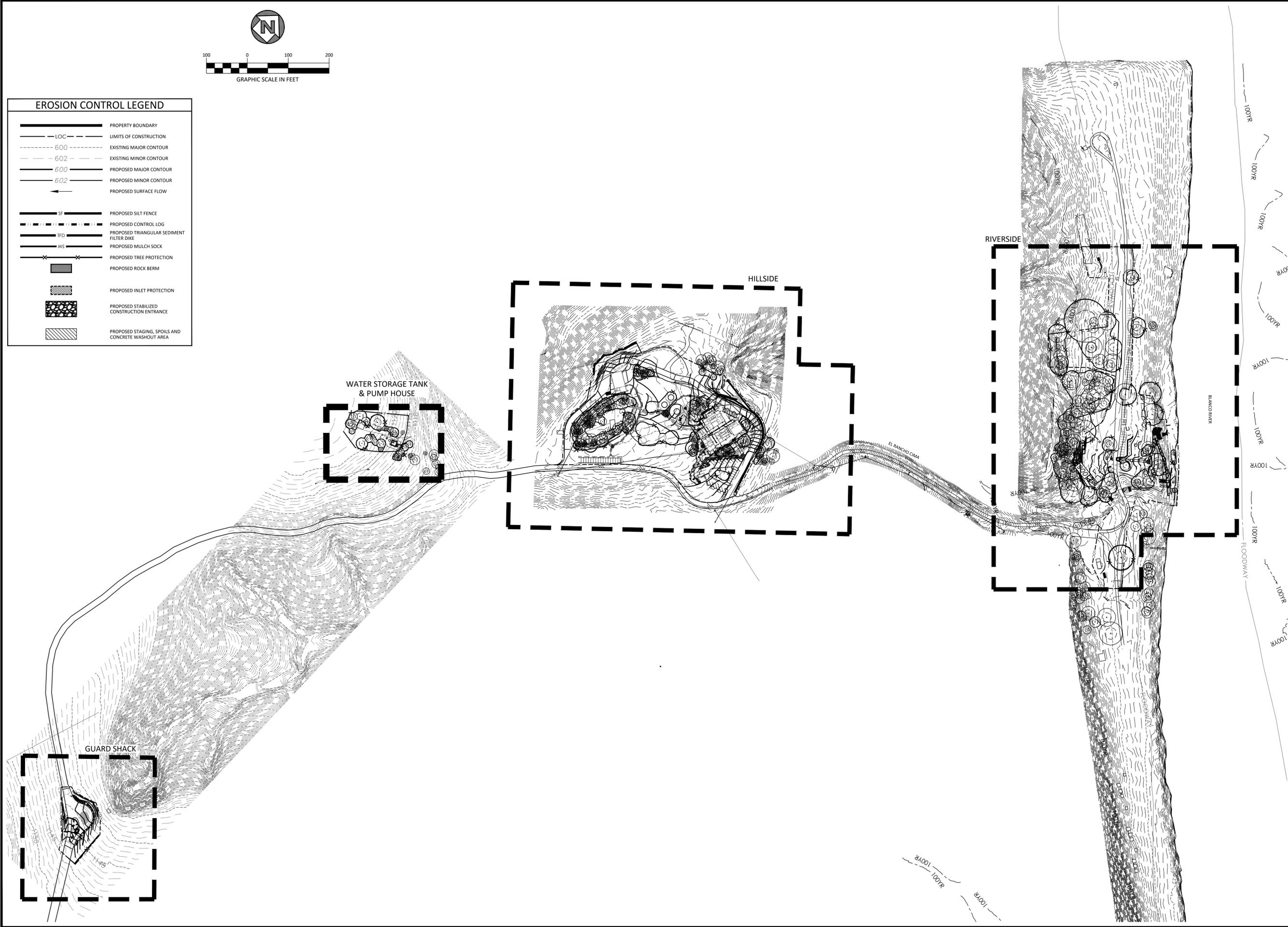
Attachment A – Site Location Map
Sentinel Peak Park at Old Boy Scout Ranch
29.9590°N/-98.1744°W



FISHER
— ENVIRONMENTAL —



EROSION CONTROL LEGEND	
	PROPERTY BOUNDARY
	LIMITS OF CONSTRUCTION
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SURFACE FLOW
	PROPOSED SILT FENCE
	PROPOSED CONTROL LOG
	PROPOSED TRIANGULAR SEDIMENT FILTER DIKE
	PROPOSED MULCH SOCK
	PROPOSED TREE PROTECTION
	PROPOSED ROCK BERM
	PROPOSED INLET PROTECTION
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED STAGING, SPOILS AND CONCRETE WASHOUT AREA



REVISIONS	
NO.	DESCRIPTION

ESC - OVERALL

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

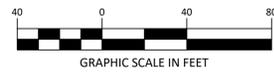
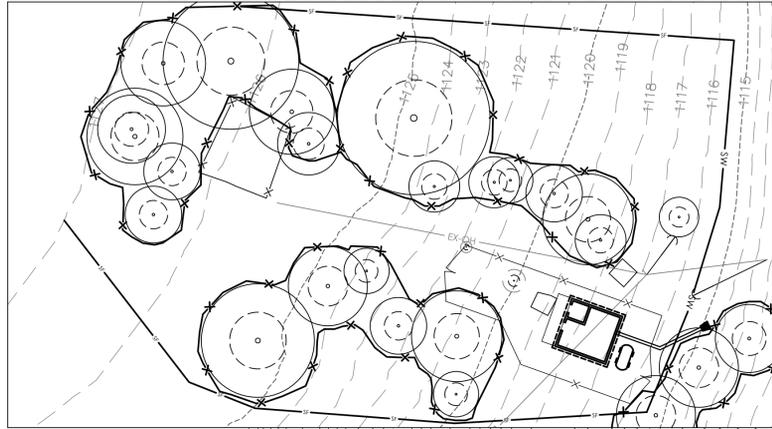
STATE OF TEXAS
 MICHAEL C. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER

09/18/2025
Mike Mullone

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C4.00

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 PLOTTED ON: Thursday, September 18, 2025

WATER STORAGE TANK & PUMP HOUSE



EROSION CONTROL LEGEND	
	PROPERTY BOUNDARY
	LIMITS OF CONSTRUCTION
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SURFACE FLOW
	PROPOSED SILT FENCE
	PROPOSED CONTROL LOG
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	PROPOSED MULCH SOCK
	PROPOSED TREE PROTECTION
	PROPOSED ROCK BERM
	PROPOSED INLET PROTECTION
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED STAGING, SPOILS AND CONCRETE WASHOUT AREA

ESC NOTE
 1. FOR ALL SLOPES STEEPER THAN 3:1 CONTRACTOR TO UTILIZE TxDOT ITEM 169 CLASS 1 SLOPE PROTECTION.



REVISIONS	
NO.	DESCRIPTION

ESC - HILLSIDE

DUNAWAY
 5707 Southwest Pkwy • Bldg. 2 • Suite 250 • Austin, Texas 78735
 (TX REG. #4114)

**SENTINEL PEAK PARK
 AT OLD BOY SCOUT RANCH
 5800 FARM TO MARKET 32,
 FISCHER, TX 78623**

STATE OF TEXAS
 MICHAEL G. MULLONE
 127850
 LICENSED PROFESSIONAL ENGINEER
 09/18/2025

JOB NO.	12076.001
DESIGNED BY:	MM
DRAWN BY:	NDC
CHECKED BY:	MM
DATE:	08/04/2025
SHEET:	C4.02

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 PLOTTED ON: Thursday, September 18, 2025

Texas Commission on Environmental Quality

P.O. Box 13087, Austin, Texas 78711-3087



GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM

under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

This permit supersedes and replaces
TPDES General Permit No. TXR150000,
effective March 5, 2018, and amended January 28, 2022

Construction sites that discharge stormwater associated with construction activity located in the state of Texas may discharge to surface water in the state only according to monitoring requirements and other conditions set forth in this general permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ or Commission), the laws of the State of Texas, and other orders of the Commission of the TCEQ. The issuance of this general permit does not grant to the permittee the right to use private or public property for conveyance of stormwater and certain non-stormwater discharges along the discharge route. This includes property belonging to but not limited to any individual, partnership, corporation or other entity. Neither does this general permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This general permit and the authorization contained herein shall expire at midnight, on March 5, 2028.

EFFECTIVE DATE: March 5, 2023

ISSUED DATE: February 27, 2023


For the Commission

Construction General Permit

TPDES General Permit No. TXR150000

TPDES GENERAL PERMIT NUMBER TXR150000 RELATING TO STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

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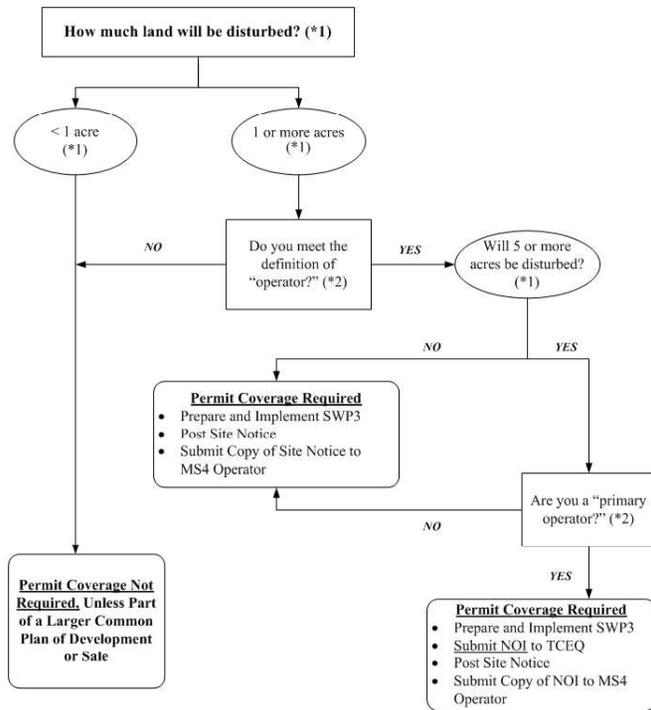
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Part I. Flow Chart and Definitions

Section A. Flow Chart to Determine Whether Coverage is Required

When calculating the acreage of land area disturbed, include the disturbed land-area of all construction and construction support activities.



(*1) To determine the size of the construction project, use the size of the entire area to be disturbed, and include the size of the larger common plan of development or sale, if the project is part of a larger project (refer to Part I.B., "Definitions," for an explanation of "common plan of development or sale").
 (*2) Refer to the definitions for "operator," "primary operator," and "secondary operator" in Part I, Section B. of this permit.

Section B. Definitions

Arid Areas – Areas with an average annual rainfall of zero (0) to ten (10) inches.

Best Management Practices (BMPs) – Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spills or leaks, waste disposal, or drainage from raw material storage areas.

Commencement of Construction – The initial disturbance of soils associated with clearing, grading, or excavation activities, as well as other construction-related activities (e.g., demolition; grubbing; stockpiling of fill material; placement of raw materials at the site).

Common Plan of Development – A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development (also known as a "common plan of development or sale") is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities. A common plan of development does not necessarily include all construction projects within the jurisdiction of a public entity (e.g., a city or university). Construction of roads or buildings in different parts of the jurisdiction would be considered separate "common plans," with only the interconnected parts of a project being considered part of a "common plan" (e.g., a building and its associated parking lot and driveways, airport runway and associated taxiways, a building complex, etc.). Where discrete construction projects occur within a larger common plan of development or sale but are located one quarter (1/4) mile or more apart, and the area between the projects is not being disturbed, each individual project can be treated as a separate plan of development or sale, provided that any interconnecting road, pipeline or utility project that is part of the same "common plan" is not included in the area to be disturbed.

Construction Activity – Includes soil disturbance activities, including clearing, grading, excavating, construction-related activity (e.g., stockpiling of fill material, demolition), and construction support activity. This does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing rights-of-way, and similar maintenance activities). Regulated construction activity is defined in terms of small and large construction activity.

Construction Support Activity – A construction-related activity that specifically supports construction activity, which can involve earth disturbance or pollutant-generating activities of its own, and can include, but are not limited to, activities associated with concrete or asphalt batch plants, rock crushers, equipment staging or storage areas, chemical storage areas, material storage areas, material borrow areas, and excavated material disposal areas. Construction support activity must only directly support the construction activity authorized under this general permit.

Dewatering – The act of draining accumulated stormwater or groundwater from building foundations, vaults, trenches, and other similar points of accumulation.

Discharge – For the purposes of this permit, the drainage, release, or disposal of pollutants in stormwater and certain non-stormwater from areas where soil disturbing activities (e.g., clearing, grading, excavation, stockpiling of fill material, and demolition), construction materials or equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck wash out, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located.

Drought-Stricken Area – For the purposes of this permit, an area in which the National Oceanic and Atmospheric Administration's U.S. Seasonal Drought Outlook indicates for the period during which the construction will occur that any of the following conditions are likely: (1) "Drought to persist or intensify", (2) "Drought ongoing, some improvement", (3) "Drought likely to improve, impacts ease", or (4) "Drought development likely". See http://www.cpc.ncep.noaa.gov/products/expert_assessment/seasonal_drought.html.

Edwards Aquifer – As defined under Texas Administrative Code (TAC) § 213.3 of this title (relating to the Edwards Aquifer), that portion of an arcuate belt of porous, water-bearing, predominantly carbonate rocks known as the Edwards and Associated Limestones in the Balcones Fault Zone trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties; and composed of the Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Formation, and Georgetown Formation. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

Edwards Aquifer Recharge Zone – Generally, that area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located in the offices of the Texas Commission on Environmental Quality (TCEQ) and the appropriate regional office. The Edwards Aquifer Map Viewer, located at <https://www.tceq.texas.gov/gis/edwards-viewer.html>

Edwards Aquifer Contributing Zone – The area or watershed where runoff from precipitation flows downgradient to the recharge zone of the Edwards Aquifer. The contributing zone is located upstream (upgradient) and generally north and northwest of the recharge zone for the following counties: all areas within Kinney County, except the area within the watershed draining to Segment No. 2304 of the Rio Grande Basin; all areas within Uvalde, Medina, Bexar, and Comal Counties; all areas within Hays and Travis Counties, except the area within the watersheds draining to the Colorado River above a point 1.3 miles upstream from Tom Miller Dam, Lake Austin at the confluence of Barrow Brook Cove, Segment No. 1403 of the Colorado River Basin; and all areas within Williamson County, except the area within the watersheds draining to the Lampasas River above the dam at Stillhouse Hollow reservoir, Segment No. 1216 of the Brazos River Basin. The contributing zone is illustrated on the Edwards Aquifer map viewer at <https://www.tceq.texas.gov/gis/edwards-viewer.html>

Effluent Limitations Guideline (ELG) – Defined in 40 Code of Federal Regulations (CFR) § 122.2 as a regulation published by the Administrator under § 304(b) of the Clean Water Act (CWA) to adopt or revise effluent limitations.

Facility or Activity – For the purpose of this permit, referring to a construction site, the location of construction activity, or a construction support activity that is regulated under this general permit, including all contiguous land and fixtures (for example, ponds and materials stockpiles), structures, or appurtenances used at a construction site or industrial site.

Final Stabilization – A construction site status where any of the following conditions are met:

- (a) All soil disturbing activities at the site have been completed and a uniform (that is, evenly distributed, without large bare areas) perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, or gabions) have been employed.
- (b) For individual lots in a residential construction site by either:
 - (1) the homebuilder completing final stabilization as specified in condition (a) above; or
 - (2) the homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization. If temporary stabilization is not feasible, then the homebuilder may fulfill this requirement by retaining perimeter controls or BMPs, and informing the homeowner of the need for removal of temporary controls and the establishment of final stabilization. Fulfillment of this requirement must be documented in the homebuilder's stormwater pollution prevention plan (SWP3).
- (c) For construction activities on land used for agricultural purposes (such as pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to surface water and areas that are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.
- (d) In arid, semi-arid, and drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:
 - (1) temporary erosion control measures (for example, degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator, and
 - (2) the temporary erosion control measures are selected, designed, and installed to achieve 70% of the native background vegetative coverage within three years.

High-Level Radioactive Waste – Meaning as assigned by 42 United States Code (U.S.C.) Section 10101 (12) and includes spent nuclear fuel as defined by 42 U.S.C. Section 10101 (23).

Hyperchlorination of Waterlines – Treatment of potable water lines or tanks with chlorine for disinfection purposes, typically following repair or partial replacement of the waterline or tank, and subsequently flushing the contents.

Impaired Water – A surface water body that is identified as impaired on the latest approved CWA § 303(d) List or waters with an EPA-approved or established total maximum daily load (TMDL) that are found on the latest EPA approved *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)*, which lists the category 4 and 5 water bodies.

Indian Country Land – (1) All land within the limits of any Indian reservation under the jurisdiction of the United States government, notwithstanding the issuance of any patent, and, including rights-of-way running through the reservation; (2) all dependent Indian communities with the borders of the United States whether within the originally or subsequently acquired territory thereof, and whether within or without the limits of a state; and (3) all Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same. (40 CFR § 122.2)

Indian Tribe – Any Indian Tribe, band, group, or community recognized by the Secretary of the Interior and exercising governmental authority over a Federal Indian Reservation (40 CFR § 122.2).

Infeasible – Not technologically possible, or not economically practicable and achievable in light of best industry practices. (40 CFR § 450.11(b)).

Large Construction Activity – Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (for example, the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities).

Linear Project – Includes the construction of roads, bridges, conduits, substructures, pipelines, sewer lines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities in a long, narrow area.

Low Rainfall Erosivity Waiver (LREW) – A written submission to the executive director from an operator of a construction site that is considered as small construction activity under the permit, which qualifies for a waiver from the requirements for small construction activities, only during the period of time when the calculated rainfall erosivity factor is less than five (5).

Minimize – To reduce or eliminate to the extent achievable using stormwater controls that are technologically available and economically practicable and achievable in light of best industry practices.

Municipal Separate Storm Sewer System (MS4) – A separate storm sewer system owned or operated by the United States, a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, that discharges to surface water in the state.

Notice of Change (NOC) – Written notification to the executive director from a discharger authorized under this permit, providing changes to information that was previously provided to the agency in a notice of intent form.

Notice of Intent (NOI) – A written submission to the executive director from an applicant requesting coverage under this general permit.

Notice of Termination (NOT) – A written submission to the executive director from a discharger authorized under this general permit requesting termination of coverage.

Operator – The person or persons associated with a large or small construction activity that is either a primary or secondary operator as defined below:

Primary Operator – The person or persons associated with construction activity that meets either of the following two criteria:

- (a) the person or persons have on-site operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or

- (b) the person or persons have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a Stormwater Pollution Prevention Plan (SWP3) for the site or other permit conditions (for example, they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions).

Secondary Operator – The person or entity, often the property owner, whose operational control is limited to:

- (a) the employment of other operators, such as a general contractor, to perform or supervise construction activities; or
- (b) the ability to approve or disapprove changes to construction plans and specifications, but who does not have day-to-day on-site operational control over construction activities at the site.

Secondary operators must either prepare their own SWP3 or participate in a shared SWP3 that covers the areas of the construction site, where they have control over the construction plans and specifications.

If there is not a primary operator at the construction site, then the secondary operator is defined as the primary operator and must comply with the requirements for primary operators.

Outfall – For the purpose of this permit, a point source at the point where stormwater runoff associated with construction activity discharges to surface water in the state and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances that connect segments of the same stream or other water of the U.S. and are used to convey waters of the U.S.

Permittee – An operator authorized under this general permit. The authorization may be gained through submission of a notice of intent, by waiver, or by meeting the requirements for automatic coverage to discharge stormwater runoff and certain non-stormwater discharges from construction activity.

Point Source – Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are, or may be, discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff (40 CFR § 122.2).

Pollutant – Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any surface water in the state. The term "pollutant" does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland. For the purpose of this permit, the term "pollutant" includes sediment.

Pollution – The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any surface water in the state that renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property or to public health, safety, or welfare, or impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose (Texas Water Code (TWC) § 26.001(14)).

Rainfall Erosivity Factor (R factor) – The total annual erosive potential that is due to climatic effects, and is part of the Revised Universal Soil Loss Equation (RUSLE).

Receiving Water – A “Water of the United States” as defined in 40 CFR § 122.2 or a surface water in the state into which the regulated stormwater discharges.

Semi-arid Areas – Areas with an average annual rainfall of 10 to 20 inches.

Separate Storm Sewer System – A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains), designed or used for collecting or conveying stormwater; that is not a combined sewer, and that is not part of a publicly owned treatment works (POTW).

Small Construction Activity – Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres of land. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (for example, the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities).

Steep Slopes – Where a state, Tribe, local government, or industry technical manual (e.g., stormwater BMP manual) has defined what is to be considered a “steep slope”, this permit’s definition automatically adopts that definition. Where no such definition exists, steep slopes are automatically defined as those that are 15 percent or greater in grade.

Stormwater (or Stormwater Runoff) – Rainfall runoff, snow melt runoff, and surface runoff and drainage.

Stormwater Associated with Construction Activity – Stormwater runoff, as defined above, from a construction activity.

Structural Control (or Practice) – A pollution prevention practice that requires the construction of a device, or the use of a device, to reduce or prevent pollution in stormwater runoff. Structural controls and practices may include but are not limited to: silt fences, earthen dikes, drainage swales, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the State – Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state (from the mean high water mark (MHW) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or non-navigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Temporary Stabilization – A condition where exposed soils or disturbed areas are provided a protective cover or other structural control to prevent the migration of pollutants. Temporary stabilization may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either permanent stabilization can be achieved or until further construction activities take place.

Thawing Conditions – For the purposes of this permit, thawing conditions are expected based on the historical likelihood of two (2) or more days with daytime temperatures greater than 32 degrees Fahrenheit (°F). This date can be determined by looking at historical weather data.

NOTE: The estimation of thawing conditions is for planning purposes only. During construction, the permittee will be required to conduct site inspections based upon actual conditions (i.e., if thawing conditions occur sooner than expected, the permittee will be required to conduct inspections at the regular frequency).

Total Maximum Daily Load (TMDL) – The total amount of a pollutant that a water body can assimilate and still meet the Texas Surface Water Quality Standards.

Turbidity – A condition of water quality characterized by the presence of suspended solids and/or organic material.

Waters of the United States – Waters of the United States or waters of the U.S. means the term as defined in 40 CFR § 122.2.

Part II. Permit Applicability and Coverage

Section A. Discharges Eligible for Authorization

1. Stormwater Associated with Construction Activity

Discharges of stormwater runoff and certain non-stormwater discharges from small and large construction activities may be authorized under this general permit, except as described in Part II.C. of this permit.

2. Discharges of Stormwater Associated with Construction Support Activities

Discharges of stormwater runoff and certain non-stormwater discharges from construction support activities as defined in Part I.B. of this general permit may be authorized, provided that the following conditions are met:

- the construction support activities are located within one (1) mile from the boundary of the construction site where the construction activity authorized under the permit is being conducted that requires the support of these activities;
- an SWP3 is developed and implemented for the permitted construction site according to the provisions in Part III.F. of this general permit, including appropriate controls and measures to reduce erosion and the discharge of pollutants in stormwater runoff according to the provisions in Part IV. of this general permit;
- the activities are directly related to the construction site;
- the activities are not a commercial operation, nor serve other unrelated construction projects; and
- the activities do not continue to operate beyond the completion of the construction activity at the project it supports.

Construction support activities that operate outside the terms provided in (a) through (e) above must obtain authorization under a separate Texas Pollutant Discharge Elimination System (TPDES) permit, which may include the TPDES Multi-Sector General Permit (MSGP), TXR050000 (related to stormwater discharges associated with industrial activity), an alternative general permit (if available), or an individual water quality permit.

3. Non-Stormwater Discharges

The following non-stormwater discharges from sites authorized under this general permit are also eligible for authorization under this general permit:

- (a) discharges from emergency fire-fighting activities (emergency fire-fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, or similar activities);
 - (b) uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life), which include flushings from systems that utilize potable water, surface water, or groundwater that does not contain additional pollutants (uncontaminated fire hydrant flushings do not include systems utilizing reclaimed wastewater as a source water);
 - (c) water from the routine external washing of vehicles, the external portion of buildings or structures, and pavement, where solvents, detergents, and soaps are not used, 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, or dust;
 - (d) uncontaminated water used to control dust;
 - (e) potable water sources, including waterline flushings, but excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life;
 - (f) uncontaminated air conditioning condensate;
 - (g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents; and
 - (h) lawn watering and similar irrigation drainage.
4. Other Permitted Discharges
- Any discharge authorized under a separate National Pollutant Discharge Elimination System (NPDES), TPDES, or TCEQ permit may be combined with discharges authorized by this general permit, provided those discharges comply with the associated permit.

Section B. Concrete Truck Wash Out

The wash out of concrete trucks at regulated construction sites must be performed in accordance with the requirements of Part VI of this general permit.

Section C. Limitations on Permit Coverage

1. Post Construction Discharges

Discharges that occur after construction activities have been completed, and after the construction site and any supporting activity site have undergone final stabilization, are not eligible for coverage under this general permit. Discharges originating from the sites are not authorized under this general permit following the submission of the Notice of Termination (NOT) or removal of the appropriate TCEQ site notice, as applicable, for the regulated construction activity.

2. Prohibition of Non-Stormwater Discharges

Except as otherwise provided in Part II.A. of this general permit, only discharges that are composed entirely of stormwater associated with construction activity may be authorized under this general permit.

3. Compliance with Water Quality Standards

Discharges to surface water in the state that would cause, have the reasonable potential to cause, or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses of surface water in the state are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative general permit (see Parts II.H.2. and 3.) to authorize discharges to surface water in the state if the executive director determines that any activity will cause, has the reasonable potential to cause, or contribute to a violation of water quality standards or is found to cause, has the reasonable potential to cause, or contribute to, the impairment of a designated use. The executive director may also require an application for an individual permit considering factors described in Part II.H.3. of this general permit.

4. Impaired Receiving Waters and Total Maximum Daily Load (TMDL) Requirements

The permittee shall determine whether the authorized discharge is to an impaired water body on the latest EPA-approved CWA § 303(d) List or waters with an EPA-approved or established TMDL that are found on the latest EPA-approved *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)*, which lists the category 4 and 5 water bodies.

New sources or new discharges of the pollutants of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standard(s) and are listed as category 4 or 5 in the current version of the *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)*, and waterbodies listed on the CWA § 303(d) List. Pollutants of concern are those for which the water body is listed as impaired.

Discharges of the pollutants of concern to impaired water bodies for which there is a TMDL are not eligible for coverage under this general permit unless they are consistent with the approved TMDL. Permittees must incorporate the conditions and requirements applicable to their discharges into their SWP3, in order to be eligible for coverage under this general permit. For consistency with the construction stormwater-related items in an approved TMDL, the SWP3 must be consistent with any applicable condition, goal, or requirement in the TMDL, TMDL Implementation Plan (I-Plan), or as otherwise directed by the executive director.

5. Discharges to the Edwards Aquifer Recharge or Contributing Zone

Discharges cannot be authorized by this general permit where prohibited by 30 TAC Chapter 213 (relating to Edwards Aquifer). In addition, commencement of construction (see definition for commencement of construction in Part I.B. above) at a site regulated under 30 TAC Chapter 213, may not begin until the appropriate Edwards Aquifer Protection Plan (EAPP) has been approved by the TCEQ's Edwards Aquifer Protection Program.

- (a) For new discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone (CZ), operators must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.

- (b) For existing discharges located within the Edwards Aquifer Recharge Zone, the requirements of the agency-approved Water Pollution Abatement Plan (WPAP) under the Edwards Aquifer Rule are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural stormwater controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in stormwater runoff are in addition to the requirements in this general permit for this pollutant.
- (c) For discharges located within ten (10) stream miles upstream of the Edwards Aquifer recharge zone, applicants shall also submit a copy of the NOI to the appropriate TCEQ regional office.

Counties: Comal, Bexar, Medina, Uvalde, and Kinney

Contact: TCEQ Water Program Manager
San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
(210) 490-3096

Counties: Williamson, Travis, and Hays

Contact: TCEQ Water Program Manager
Austin Regional Office
12100 Park 35 Circle
Room 179, Building A
Austin, Texas 78753
(512) 339-2929

6. Discharges to Specific Watersheds and Water Quality Areas

Discharges otherwise eligible for coverage cannot be authorized by this general permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

7. Protection of Streams and Watersheds by Other Governmental Entities

This general permit does not limit the authority or ability of federal, other state, or local governmental entities from placing additional or more stringent requirements on construction activities or discharges from construction activities.

8. Indian Country Lands

Stormwater runoff from construction activities occurring on Indian Country lands are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges of stormwater require authorization under federal NPDES regulations, authority for these discharges must be obtained from the U.S. Environmental Protection Agency (EPA).

9. Exempt Oil and Gas Activities

The CWA § 402(D)(2) provides that stormwater discharges from construction activities related to oil and gas exploration, production, processing, or treatment, or transmission facilities are exempt from regulation under this permit. The term "oil and gas exploration, production, processing, or treatment operations, or transmission facilities" is defined in 33 U.S.C. Annotated § 1362 (24).

The exemption in CWA § 402(D)(2) includes stormwater discharges from construction activities regardless of the amount of disturbed acreage, which are necessary to prepare a site for drilling and the movement and placement of drilling equipment, drilling waste management pits, in field treatment plants, and in field transportation infrastructure (e.g., crude oil pipelines, natural gas treatment plants, and both natural gas transmission pipeline compressor and crude oil pumping stations) necessary for the operation of most producing oil and gas fields. Construction activities are defined in 33 U.S. Code § 1362(24) and interpreted by EPA in the final rule. See June 12, 2006 Amendments to the NPDES Regulations for Storm Water Discharges Associated with Oil and Gas Exploration, Production, Processing, or Treatment Operations or Transmission Facilities (71 FR 33628, Part V. Terminology).

The exemption does not include stormwater discharges from the construction of administrative buildings, parking lots, and roads servicing an administrative building at an oil and gas site, as these are considered traditional construction activities.

As described in 40 CFR § 122.26(c)(1)(iii) [regulations prior to 2006], discharges from oil and gas construction activities are waived from CWA § 402(D)(2) permit coverage unless the construction activity (or construction support activity) has had a discharge of stormwater resulting in the discharge of a reportable quantity of oil or hazardous substances or the discharge contributes to a violation of water quality standards.

Exempt oil and gas activities which have lost their exemption as a result of one of the above discharges, must obtain permit coverage under this general permit, an alternative general permit, or a TPDES individual permit prior to the next discharge.

10. Stormwater Discharges from Agricultural Activities

Stormwater discharges from agricultural activities that are not point source discharges of stormwater are not subject to TPDES permit requirements. These activities may include clearing and cultivating ground for crops, construction of fences to contain livestock, construction of stock ponds, and other similar agricultural activities. Discharges of stormwater runoff associated with the construction of facilities that are subject to TPDES regulations, such as the construction of concentrated animal feeding operations, would be point sources regulated under this general permit.

11. Endangered Species Act

Discharges that would adversely affect a listed endangered or threatened aquatic or aquatic-dependent species or its critical habitat are not authorized by this permit, unless the requirements of the Endangered Species Act are satisfied. Federal requirements related to endangered species apply to all TPDES permitted discharges and site-specific controls may be required to ensure that protection of endangered or threatened species is achieved. If a permittee has concerns over potential impacts to listed species, the permittee may contact TCEQ for additional information.

12. Storage of High-Level Radioactive Waste

Discharges of stormwater from construction activities associated with the construction of a facility that is licensed for the storage of high-level radioactive waste by the United States Nuclear Regulatory Commission under 10 CFR Part 72 are not authorized by this general permit. Texas Health and Safety Code (THSC) § 401.0525 prohibits TCEQ from issuing any TPDES authorizations for the construction or operation of these facilities.

Discharges of stormwater from the construction activities associated with the construction of a facility located at the site of currently or formerly operating nuclear power reactors and currently or formerly operating nuclear research and test reactors operated by a university are not prohibited under THSC § 401.0525 and continue to be regulated under this general permit.

13. Other

Nothing in Part II. of the general permit is intended to negate any person's ability to assert *force majeure* (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC § 70.7

Section D. Deadlines for Obtaining Authorization to Discharge

1. Large Construction Activities

- (a) New Construction – Discharges from sites where the commencement of construction activity occurs on or after the effective date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.
- (b) Ongoing Construction – Operators of large construction activities continuing to operate after the effective date of this permit, and authorized under the TPDES Construction General Permit (CGP) TXR150000 (effective on March 5, 2018, and amended on January 28, 2022), must submit an NOI to renew authorization or an NOI to terminate coverage under this general permit within 90 days of the effective date of this general permit. During this interim or grace period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the issued and amended 2018 TPDES CGP.

2. Small Construction Activities

- (a) New Construction – Discharges from sites where the commencement of construction activity occurs on or after the effective date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.
- (b) Ongoing Construction – Discharges from ongoing small construction activities that commenced prior to the effective date of this general permit, and that do not meet the conditions to qualify for termination of this permit as described in Part II.F. of this general permit, must meet the requirements to be authorized, either under this general permit or a separate TPDES permit, within 90 days of the effective date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the issued and amended 2018 TPDES CGP.

Section E. Obtaining Authorization to Discharge

1. Automatic Authorization for Small Construction Activities with Low Potential for Erosion

Operators of small construction activity, as defined in Part I.B. of this general permit, shall not submit an NOI for coverage, unless otherwise required by the executive director.

Operators of small construction activities, which occur in certain counties and during periods of low potential for erosion that do not meet the conditions of the waiver described in Part II.G. of this general permit, may be automatically authorized under this general permit if all the following conditions are met prior to the commencement of construction.

- (a) The construction activity occurs in a county and during the corresponding date range(s) listed in Appendix A;

- (b) The construction activity is initiated and completed, including either final or temporary stabilization of all disturbed areas, within the time frame identified in Appendix A for the location of the construction site;
- (c) All temporary stabilization is adequately maintained to effectively reduce or prohibit erosion, permanent stabilization activities have been initiated, and a condition of final stabilization is completed no later than 30 days following the end date of the time frame identified in Appendix A for the location of the construction site; the permittee signs a completed TCEQ Small Construction Site Notice for low potential for erosion (Form TCEQ-20964), including the certification statement;
- (d) A signed and certified copy of the TCEQ Small Construction Site Notice for low potential for erosion is posted at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction activities, and maintained in that location until final stabilization has been achieved;

NOTE: Posted TCEQ site notices may have a redacted signature as long as there is an original signed and certified TCEQ site notice, with a viewable signature, located on-site and available for review by any applicable regulatory authority.
- (e) A copy of the signed and certified TCEQ Small Construction Site Notice for low potential for erosion is provided to the operator of any MS4 receiving the discharge at least two (2) days prior to commencement of construction activities;
- (f) Discharges of stormwater runoff or other non-stormwater discharges from any supporting concrete batch plant or asphalt batch plant is separately authorized under an individual TPDES permit, another TPDES general permit, or under an individual TCEQ permit where stormwater and non-stormwater is disposed of by evaporation or irrigation (discharges are adjacent to water in the state); and
- (g) Any non-stormwater discharges are either authorized under a separate permit or authorization, are not considered by TCEQ to be a wastewater, or are captured and routed for disposal at a publicly operated treatment works or licensed waste disposal facility.

If all of the conditions in (a) – (h) above are met, then the operator(s) of small construction activities with low potential for erosion are not required to develop a SWP3. If an operator is conducting small construction activities and any of the above conditions (a) – (h) are not met, the operator cannot declare coverage under the automatic authorization for small construction activities with low potential for erosion and must meet the requirements for automatic authorization (all other) small construction activities, described below in Part II.E.2.

For small construction activities that occur during a period with a low potential for erosion, where automatic authorization under this section is not available, an operator may apply for and obtain a waiver from permitting (Low Rainfall Erosivity Waiver – LREW), as described in Part II.G. of this general permit. Waivers from coverage under the LREW do not allow for any discharges of non-stormwater and the operator must ensure that discharges on non-stormwater are either authorized under a separate permit or authorization.

2. Automatic Authorization for Small Construction Activities

Operators of small construction activities as defined in Part I.B. of this general permit shall not submit an NOI for coverage, unless otherwise required by the executive director.

Operators of small construction activities, as defined in Part I.B. of this general permit or as defined but who do not meet in the conditions and requirements located in Part II.E.1 above, may be automatically authorized for small construction activities, provided that they meet all of the following conditions:

- (a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant is the operator, and implement the SWP3 prior to commencing construction activities;
- (b) all operators of regulated small construction activities must post a copy of a signed and certified TCEQ Small Construction Site Notice (Form TCEQ-20963), the notice must be posted at the construction site in a location where it is safely and readily available for viewing by the general public, local, state, and federal authorities, at least two (2) days prior to commencing construction activity, and maintain the notice in that location until completion of the construction activity (for linear construction activities, e.g. pipeline or highway, the TCEQ site notice must be placed in a publicly accessible location near where construction is actively underway; notice for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public; local, state, and federal authorities);

- (c) operators must maintain a posted TCEQ Small Construction Site Notice on the approved TCEQ form at the construction site until final stabilization has been achieved; and

NOTE: Posted TCEQ site notices may have a redacted signature as long as there is an original signed and certified TCEQ Small Construction Site Notice, with a viewable signature, located on-site and available for review by an applicable regulatory authority.

- (d) provide a copy of the signed and certified TCEQ Small Construction Site Notice to the operator of any municipal separate storm sewer system (MS4) receiving the discharge at least two (2) days prior to commencement of construction activities.
- (e) if signatory authority is delegated by an authorized representative, then a Delegation of Signatory form must be submitted as required by 30 TAC § 305.128 (relating to Signatories to Reports). Operators for small construction activities must submit this form via mail following the instructions on the approved TCEQ paper form. A new Delegation of Signatory form must be submitted if the delegation changes to another individual or position.

As described in Part I.B. of this general permit, large construction activities include those that will disturb less than five (5) acres of land, but that are part of a larger common plan of development or sale that will ultimately disturb five (5) or more acres of land and must meet the requirements of Part II.E.3. below.

3. Authorization for Large Construction Activities

Operators of large construction activities that qualify for coverage under this general permit must meet all of the following conditions:

- (a) develop a SWP3 according to the provisions of this general permit that covers either the entire site or all portions of the site where the applicant is the operator. The SWP3 must be developed and implemented prior to obtaining coverage and prior to commencing construction activities;
- (b) primary operators of large construction activities must submit an NOI prior to commencing construction activity at a construction site. A completed NOI must be submitted to TCEQ electronically using the online ePermits system on TCEQ's website.

Operators with an electronic reporting waiver must submit a completed paper NOI to TCEQ at least seven (7) days prior to commencing construction activity to obtain provisional coverage 48-hours from the postmark date for delivery to the TCEQ. An authorization is no longer provisional when the executive director finds the NOI is administratively complete, and an authorization number is issued to the permittee for the construction site indicated on the NOI.

If an additional primary operator is added after the initial NOI is submitted, the additional primary operator must meet the same requirements for existing primary operator(s), as indicated above.

If the primary operator changes due to responsibility at the site being transferred from one primary operator to another after the initial NOI is submitted, the new primary operator must submit an electronic NOI, unless they request and obtain a waiver from electronic reporting, at least ten (10) days prior to assuming operational control of a construction site and commencing construction activity.

- (c) all operators of large construction activities must post a TCEQ Large Construction Site Notice on the approved TCEQ form (Form TCEQ-20961) in accordance with Part III.D.2. of this permit. The TCEQ site notice must be located where it is safely and readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction activities, and must be maintained in that location until final stabilization has been achieved. For linear construction activities, e.g., pipeline or highway, the TCEQ site notice must be placed in a publicly accessible location near where construction is actively underway; notice for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public, local, state, and federal authorities;
- (d) two days prior to commencing construction activities, all primary operators must:
 - i. provide a copy of the signed NOI to the operator of any MS4 receiving the discharge and to any secondary construction operator, and
 - ii. list in the SWP3 the names and addresses of all MS4 operators receiving a copy;
- (e) if signatory authority is delegated by an authorized representative, then a Delegation of Signatories form must be submitted as required by 30 TAC § 305.128 (relating to Signatories to Reports). Primary operators must submit this form electronically using the State of Texas Environmental Electronic Reporting System (STEERS), TCEQ's online permitting system, or by paper if the permittee requested and obtained an electronic reporting waiver. A new Delegation of Signatories form must be submitted, if the delegation changes to another individual or position;
- (f) all persons meeting the definition of "secondary operator" in Part I of this permit are hereby notified that they are regulated under this general permit, but are not required to submit an NOI, provided that a primary operator at the site has submitted an NOI, or prior to commencement of construction activities, a primary operator is required to submit an NOI and the secondary operator has provided notification to the operator(s) of the need to obtain coverage (with records of notification available upon request). Any secondary operator notified under this provision may alternatively submit an NOI under this general permit, may seek coverage under an alternative TPDES individual permit, or may seek coverage under an alternative TPDES general permit if available; and

- (g) all secondary operators of large construction activities must post a copy of the signed and certified TCEQ Large Construction Site Notice for Secondary Operators on the approved TCEQ form (Form TCEQ-20962) and provide a copy of the signed and certified TCEQ site notice to the operator of any MS4 receiving the discharge at least two (2) days prior to the commencement construction activities.

NOTE: Posted TCEQ site notices may have a redacted signature as long as there is an original signed and certified TCEQ Large Construction Site Notice for Secondary Operators, with a viewable signature, located on-site and available for review by an applicable regulatory authority.

Applicants must submit an NOI using the online ePermits system (accessed using STEERS) available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge.

4. Waivers for Small Construction Activities:

Operators of certain small construction activities may obtain a waiver from coverage under this general permit, if applicable. The requirements are outlined in Part II.G. below.

5. Effective Date of Coverage

- (a) Operators of small construction activities as described in either Part II.E.1. or II.E.2. above are authorized immediately following compliance with the applicable conditions of Part II.E.1. or II.E.2. Secondary operators of large construction activities as described in Part II.E.3. above are authorized immediately following compliance with the applicable conditions in Part II.E.3. For activities located in areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer, this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule are met.
- (b) Primary operators of large construction activities as described in Part II.E.3. above that electronically submit an NOI are authorized immediately following confirmation of receipt of the electronic form by the TCEQ, unless otherwise notified by the executive director.

Operators with an electronic reporting waiver are provisionally authorized 48-hours from the date that a completed paper NOI is postmarked for delivery to the TCEQ, unless otherwise notified by the executive director. An authorization is no longer provisional when the executive director finds the NOI is administratively complete and an authorization number is issued to the permittee for the construction site indicated on the NOI.

For construction activities located in areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer, this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction activities may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule are met.

- (c) Operators are not prohibited from submitting late NOIs or posting late site notices to obtain authorization under this general permit. The TCEQ reserves the right to take appropriate enforcement action for any unpermitted activities that may have occurred between the time construction commenced and authorization under this general permit was obtained.

- (d) If operators that submitted NOIs have active authorizations for construction activities that are ongoing when this general permit expires on March 5, 2028, and a new general permit is issued, a 90-day interim (grace) period is granted to provide coverage that is administratively continued until operators with active authorizations can obtain coverage under the newly issued CGP. The 90-day grace period starts on the effective date of the newly issued CGP.

6. Contents of the NOI

The NOI form shall require, at a minimum, the following information:

- (a) the TPDES CGP authorization number for existing authorizations under this general permit, where the operator submits an NOI to renew coverage within 90 days of the effective date of this general permit;
- (b) the name, address, and telephone number of the operator filing the NOI for permit coverage;
- (c) the name (or other identifier), address, county, and latitude/longitude of the construction project or site;
- (d) the number of acres that will be disturbed by the applicant;
- (e) the estimated construction project start date and end date;
- (f) confirmation that the project or site will not be located on Indian Country lands;
- (g) confirmation if the construction activity is associated with an oil and gas exploration, production, processing, or treatment, or transmission facility (see Part II.C.9.);
- (h) confirmation that the construction activities are not associated with the construction of a facility that is licensed for the storage of high-level radioactive waste by the United States Nuclear Regulatory Commission under 10 CFR Part 72 (see Part II.C.12.);
- (i) confirmation that a SWP3 has been developed in accordance with all conditions of this general permit, that it will be implemented prior to commencement of construction activities, and that it is compliant with any applicable local sediment and erosion control plans; for multiple operators who prepare a shared SWP3, the confirmation for an operator may be limited to its obligations under the SWP3 provided all obligations are confirmed by at least one operator;
- (j) name of the receiving water(s);
- (k) the classified segment number for each classified segment that receives discharges from the regulated construction activity (if the discharge is not directly to a classified segment, then the classified segment number of the first classified segment that those discharges reach); and
- (l) the name of all surface waters receiving discharges from the regulated construction activity that are on the latest EPA-approved CWA § 303(d) List of impaired waters or *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)* as not meeting applicable state water quality standards.

7. Notice of Change (NOC)

- (a) If relevant information provided in the NOI changes, the operator that has submitted the NOI must submit an NOC to TCEQ at least fourteen (14) days before the change occurs. Where a 14-day advance notice is not possible, the operator must submit an NOC to TCEQ within fourteen (14) days of discovery of the change. If the operator becomes aware that it failed to submit any relevant facts or submitted

incorrect information in an NOI, the correct information must be submitted to TCEQ in an NOC within fourteen (14) days after discovery.

- (b) Information on an NOC may include, but is not limited to, the following:
- i. a change in the description of the construction project;
 - ii. an increase in the number of acres disturbed (for increases of one (1) or more acres);
 - iii. or the name of the operator (where the name of the operator has changed).

(c) Electronic NOC.

Applicants must submit an NOC using the online ePermits system available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. All waivers from electronic reporting are not transferrable. Electronic reporting waivers expire on the same date as the authorization to discharge, except for temporary waivers that expire one (1) year from issuance. A copy of the NOC form or letter must also be placed in the SWP3 and provided to the operator of any MS4 receiving the discharge. Operators are authorized immediately following confirmation of receipt of the electronic form by the TCEQ, unless otherwise notified by the executive director.

(d) Paper NOC.

Applicants who request and obtain an electronic reporting waiver shall submit the NOC on a paper form provided by the executive director, or by letter if an NOC form is not available.

- (e) A copy of the NOC form or letter must also be placed in the SWP3 and provided to the operator of any MS4 receiving the discharge. A list that includes the names and addresses of all MS4 operators receiving a copy of the NOC (or NOC letter) must be included in the SWP3. Information that may not be included on an NOC includes but is not limited to the following:
- i. transfer of operational control from one operator to another, including a transfer of the ownership of a company. A transfer of ownership of a company includes changes to the structure of a company, such as changing from a partnership to a corporation or changing corporation types, so that the filing or charter number that is on record with the Texas Secretary of State (SOS) must be changed.
 - ii. coverage under this general permit is not transferable from one operator to another. Instead, the new operator will need to submit an NOI or LREW, as applicable, and the previous operator will need to submit an NOT.
 - iii. a decrease in the number of acres disturbed. This information must be included in the SWP3 and retained on site.

8. Signatory Requirement for NOI Forms, NOT Forms, NOC Forms, and Construction Site Notices

NOI forms, NOT forms, NOC forms, and Construction Site Notices that require a signature must be signed according to 30 TAC § 305.44 (relating to Signatories for Applications).

Section F. Terminating Coverage

1. Notice of Termination (NOT) Required

Each operator that has submitted an NOI for authorization of large construction activities under this general permit must apply to terminate that authorization following the conditions described in this section of the general permit.

Authorization of large construction must be terminated by submitting an NOI electronically via the online ePermits system available through the TCEQ website, or on a paper NOT form to TCEQ supplied by the executive director with an approved waiver from electronic reporting. Authorization to discharge under this general permit terminates at midnight on the day a paper NOT is postmarked for delivery to the TCEQ or immediately following confirmation of the receipt of the NOT submitted electronically by the TCEQ.

Applicants must submit an NOT using the online ePermits system available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge, except for temporary waivers that expire one (1) year from issuance.

The NOT must be submitted to TCEQ, and a copy of the NOT provided to the operator of any MS4 receiving the discharge (with a list in the SWP3 of the names and addresses of all MS4 operators receiving a copy), within 30 days after any of the following conditions are met:

- (a) final stabilization has been achieved on all portions of the site that are the responsibility of the operator;
- (b) a transfer of operational control has occurred (See Section II.F.4. below); or
- (c) the operator has obtained alternative authorization under an individual TPDES permit or alternative TPDES general permit.

Compliance with the conditions and requirements of this permit is required until the NOT is submitted and approved by TCEQ.

2. Minimum Contents of the NOT

The NOT form shall require, at a minimum, the following information:

- (a) if authorization for construction activity was granted following submission of an NOI, the permittee's site-specific TPDES authorization number for a specific construction site;
- (b) an indication of whether final stabilization has been achieved at the site and a NOT has been submitted or if the permittee is simply no longer an operator at the site;
- (c) the name, address, and telephone number of the permittee submitting the NOT;
- (d) the name (or other identifier), address, county, and location (latitude/longitude) of the construction project or site; and
- (e) a signed certification that either all stormwater discharges requiring authorization under this general permit will no longer occur, or that the applicant is no longer the operator of the facility or construction site, and that all temporary structural erosion controls have either been removed, will be removed on a schedule defined in the SWP3, or have been transferred to a new operator if the new operator has applied for permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

3. Termination of Coverage for Small Construction Sites and for Secondary Operators at Large Construction Sites
- (a) Each operator that has obtained automatic authorization for small construction or is a secondary operator for large construction must perform the following when terminating coverage under the permit:
- remove the TCEQ site notice;
 - complete the applicable portion of the TCEQ site notice related to removal of the TCEQ site notice; and
 - submit a copy of the completed TCEQ site notice to the operator of any MS4 receiving the discharge (or provide alternative notification as allowed by the MS4 operator, with documentation of such notification included in the SWP3).
- (b) The activities described in Part II.F.3.(a) above must be completed by the operator within 30 days of meeting any of the following conditions:
- final stabilization has been achieved on all portions of the site that are the responsibility of the operator;
 - a transfer of day-to-day operational control over activities necessary to ensure compliance with the SWP3 and other permit conditions has occurred (See Section II.F.4. below); or
 - the operator has obtained alternative authorization under an individual or general TPDES permit.
- For Small Construction Sites and Secondary Operators at Large Construction Sites, authorization to discharge under this general permit terminates immediately upon removal of the applicable TCEQ construction site notice. Compliance with the conditions and requirements of this permit is required until the TCEQ construction site notice is removed. The construction site notice cannot be removed until final stabilization has been achieved.
4. Transfer of Day-to-Day Operational Control
- (a) When the primary operator of a large construction activity changes or operational control over activities necessary to ensure compliance with the SWP3 and other permit conditions is transferred to another primary operator, the original operator must do the following:
- submit an NOT within ten (10) days prior to the date that responsibility for operations terminates, and the new operator must submit an NOI at least ten (10) days prior to the transfer of operational control, in accordance with condition (c) below; and
 - submit a copy of the NOT from the primary operator terminating its coverage under the permit and its operational control of the construction site and submit a copy of the NOI from the new primary operator to the operator of any MS4 receiving the discharge in accordance with Part II.F.1. above.
- (b) For transfer of operational control, operators of small construction activities and secondary operators of large construction activities who are not required to submit an NOI must do the following:
- the existing operator must remove the original TCEQ construction site notice, and the new operator must post the required TCEQ construction site notice prior to the transfer of operational control, in accordance with the conditions in Part II.F.4.(c) i or ii below; and

- a copy of the TCEQ construction site notice, which must be completed and provided to the operator of any MS4 receiving the discharge, in accordance with Part II.F.3. above.
- (c) Each operator is responsible for determining its role as an operator as defined in Part I.B. and obtaining authorization under the permit, as described above in Part II.E. 1. - 3. Where authorization has been obtained by submitting an NOI for coverage under this general permit, permit coverage is not transferable from one operator to another. A transfer of operational control can include changes to the structure of a company, such as changing from a partnership to a corporation, or changing to a different corporation type such that a different filing (or charter) number is established with the Texas Secretary of State (SOS). A transfer of operational control can also occur when one of the following criteria is met, as applicable:
- another operator has assumed control over all areas of the site that do not meet the definition for final stabilization;
 - all silt fences and other temporary erosion controls have either been removed, scheduled for removal as defined in the SWP3, or transferred to a new operator, provided that the original permitted operator has attempted to notify the new operator in writing of the requirement to obtain permit coverage. Records of this notification (or attempt at notification) shall be retained by the operator transferring operational control to another operator in accordance with Part VI of this permit. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal; or
 - a homebuilder has purchased one (1) or more lots from an operator who obtained coverage under this general permit for a common plan of development or sale. The homebuilder is considered a new operator and shall comply with the requirements of this permit. Under these circumstances, the homebuilder is only responsible for compliance with the general permit requirements as they apply to the lot(s) it has operational control over in a larger common plan of development, and the original operator remains responsible for common controls or discharges, and must amend its SWP3 to remove the lot(s) transferred to the homebuilder.

Section G. Waivers from Coverage

The executive director may waive the otherwise applicable requirements of this general permit for stormwater discharges from small construction activities under the terms and conditions described in this section.

1. Waiver Applicability and Coverage

Operators of small construction activities may apply for and receive a waiver from the requirements to obtain authorization under this general permit, when the calculated rainfall erosivity (R) factor for the entire period of the construction project is less than five (5).

The operator must submit a Low Rainfall Erosivity Waiver (LREW) certification form to the TCEQ electronically via the online ePermits system available through the TCEQ website. The LREW form is a certification by the operator that the small construction activity will commence and be completed within a period when the value of the calculated R factor is less than five (5).

Applicants who request and obtain an electronic reporting waiver shall submit the LREW on a paper form provided by the executive director at least seven (7) days prior to commencing construction activity to obtain provisional coverage 48-hours from the postmark date for delivery to the TCEQ. An authorization is no longer provisional when the executive director finds the LREW is administratively complete, and an authorization number is issued to the permittee for the construction site indicated on the LREW. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge, except for temporary waivers that expire one (1) year from issuance.

This LREW from coverage does not apply to any non-stormwater discharges, including what is allowed under this permit. The operator must ensure that all non-stormwater discharges are either authorized under a separate permit or authorization or are captured and routed to an authorized treatment facility for disposal.

2. Steps to Obtaining a Waiver

The construction site operator may calculate the R factor to request a waiver using the following steps:

- estimate the construction start date and the construction end date. The construction end date is the date that final stabilization will be achieved.
- find the appropriate Erosivity Index (EI) zone in Appendix B of this permit.
- find the EI percentage for the project period by adding the results for each period of the project using the table provided in Appendix D of this permit, in EPA Fact Sheet 2.1, or in USDA Handbook 703, by subtracting the start value from the end value to find the percent EI for the site.
- refer to the Isoerodent Map (Appendix C of this permit) and interpolate the annual isoerodent value for the proposed construction location.
- multiply the percent value obtained in Step (c) above by the annual isoerodent value obtained in Step (d). This is the R factor for the proposed project. If the value is less than five (5), then a waiver may be obtained. If the value is five (5) or more, then a waiver may not be obtained, and the operator must obtain coverage under Part II.E.2. of this permit.

Alternatively, the operator may calculate a site-specific R factor utilizing the following online calculator: <https://lew.epa.gov/>, or using another available resource.

A copy of the LREW certification form is not required to be posted at the small construction site.

3. Effective Date of an LREW

Unless otherwise notified by the executive director, operators of small construction activities seeking coverage under an LREW are provisionally waived from the otherwise applicable requirements of this general permit 48-hours from the date that a completed paper LREW certification form is postmarked for delivery to TCEQ, or immediately upon receiving confirmation of approval of an electronic submittal, made via the online ePermits system available through the TCEQ website.

Applicants seeking coverage under an LREW must submit an application for an LREW using the online ePermits system available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge.

4. Activities Extending Beyond the LREW Period

If a construction activity extends beyond the approved waiver period due to circumstances beyond the control of the operator, the operator must either:

- recalculate the R factor using the original start date and a new projected ending date, and if the R factor is still under five (5), submit a new LREW form at least two (2) days before the end of the original waiver period; or
- obtain authorization under this general permit according to the requirements for automatic authorization for small construction activities in Part II.E.2. of this permit, prior to the end of the approved LREW period.

Section H. Alternative TPDES Permit Coverage

1. Individual Permit Alternative

Any discharge eligible for coverage under this general permit may alternatively be authorized under an individual TPDES permit according to 30 TAC Chapter 305 (relating to Consolidated Permits). Applications for individual permit coverage must be submitted at least 330 days prior to commencement of construction activities to ensure timely authorization. Existing coverage under this general permit should not be terminated until an individual permit is issued and in effect.

2. General Permit Alternative

Any discharges eligible for authorization under this general permit may alternatively be authorized under a separate general permit according to 30 TAC Chapter 205 (relating to General Permits for Waste Discharges), as applicable.

3. Individual Permit Required

The executive director may require an operator of a construction site, otherwise eligible for authorization under this general permit, to apply for an individual TPDES permit in the following circumstances:

- the conditions of an approved TMDL or TMDL I-Plan on the receiving water;
- the activity being determined to cause, has a reasonable potential to cause, or contribute to a violation of water quality standards or being found to cause, or contribute to, the loss of a designated use of surface water in the state; and
- any other consideration defined in 30 TAC Chapter 205 (relating to General Permits for Waste Discharges) including 30 TAC § 205.4(c)(3)(D), which allows the commission to deny authorization under the general permit and require an individual permit if a discharger has been determined by the executive director to have been out of compliance with any rule, order, or permit of the commission, including non-payment of fees assessed by the executive director.

A discharger with a TCEQ compliance history rating of "unsatisfactory" is ineligible for coverage under this general permit. In that case, 30 TAC § 60.3 requires the executive director to deny or suspend an authorization to discharge under a general permit. However, per TWC § 26.040(h), a discharger is entitled to a hearing before the commission prior to having an authorization denied or suspended for having an "unsatisfactory" compliance history.

Denial of authorization to discharge under this general permit or suspension of a permittee's authorization under this general permit for reasons other than compliance history shall be done according to commission rules in 30 TAC Chapter 205 (relating to General Permits for Waste Discharges).

Section I. Permit Expiration

1. This general permit is effective for a term not to exceed five (5) years. All active discharge authorizations expire on the date provided on page one (1) of this permit. Following public notice and comment, as provided by 30 TAC § 205.3 (relating to Public Notice, Public Meetings, and Public Comment), the commission may amend, revoke, cancel, or renew this general permit. All authorizations that are active at the time the permit term expires will be administratively continued as indicated in Part II.L.2. below and in Part II.D.1.(b) and D.2.(b) of this permit.
2. If the executive director publishes a notice of the intent to renew or amend this general permit before the expiration date, the permit will remain in effect for existing, authorized discharges until the commission takes final action on the permit. Upon issuance of a renewed or amended permit, permittees may be required to submit an NOI within 90 days following the effective date of the renewed or amended permit, unless that permit provides for an alternative method for obtaining authorization.
3. If the commission does not propose to reissue this general permit within 90 days before the expiration date, permittees shall apply for authorization under an individual permit or an alternative general permit. If the application for an individual permit is submitted before the expiration date, authorization under this expiring general permit remains in effect until the issuance or denial of an individual permit. No new NOIs will be accepted nor new authorizations honored under the general permit after the expiration date.

Part III. Stormwater Pollution Prevention Plans (SWP3)

All regulated construction site operators shall prepare an SWP3, prior to submittal of an NOI, to address discharges authorized under Parts II.E.2. and II.E.3. of this general permit that will reach waters of the U.S. This includes discharges to MS4s and privately owned separate storm sewer systems that drain into surface water in the state or waters of the U.S.

Individual operators at a site may develop separate SWP3s that cover only their portion of the project, provided reference is made to the other operators at the site. Where there is more than one (1) SWP3 for a site, operators must coordinate to ensure that BMPs and controls are consistent and do not negate or impair the effectiveness of each other.

Regardless of whether a single comprehensive SWP3 is developed or separate SWP3s are developed for each operator, it is the responsibility of each operator to ensure compliance with the terms and conditions of this general permit in the areas of the construction site where that operator has control over construction plans and specifications or day-to-day operations.

An SWP3 must describe the implementation of practices that will be used to minimize to the extent practicable the discharge of pollutants in stormwater associated with construction activity and non-stormwater discharges described in Part II.A.3., in compliance with the terms and conditions of this permit.

An SWP3 must also identify any potential sources of pollution that have been determined to cause, have a reasonable potential to cause, or contribute to a violation of water quality standards or have been found to cause or contribute to the loss of a designated use of surface water in the state from discharges of stormwater from construction activities and construction support activities. Where potential sources of these pollutants are present at a construction site, the SWP3 must also contain a description of the management practices that will be used to prevent these pollutants from being discharged into surface water in the state or waters of the U.S.

NOTE: Construction support activities can also include vehicle repair areas, fueling areas, etc. that are present at a construction site solely for the support construction activities and are only used by operators at the construction site.

The SWP3 is intended to serve as a road map for how the construction operator will comply with the effluent limits and other conditions of this permit. Additional portions of the effluent limits are established in Part IV. of the permit.

Section A. Shared SWP3 Development

For more effective coordination of BMPs and opportunities for cost sharing, a cooperative effort by the different operators at a site is encouraged. Operators of small and large construction activities must independently obtain authorization under this permit but may work together with other regulated operators at the construction site to prepare and implement a single, comprehensive SWP3, which can be shared by some or all operators, for the construction activities that each of the operators are performing at the entire construction site.

1. The SWP3 must include the following:
 - (a) for small construction activities – the name of each operator that participates in the shared SWP3;
 - (b) for large construction activities – the name of each operator that participates in the shared SWP3, the general permit authorization numbers of each operator (or the date that the NOI was submitted to TCEQ by each operator that has not received an authorization number for coverage under this permit); and
 - (c) for large and small construction activities – the signature of each operator participating in the shared SWP3.
2. The SWP3 must clearly indicate which operator is responsible for satisfying each shared requirement of the SWP3. If the responsibility for satisfying a requirement is not described in the plan, then each permittee is entirely responsible for meeting the requirement within the boundaries of the construction site where they perform construction activities. The SWP3 must clearly describe responsibilities for meeting each requirement in shared or common areas.
3. The SWP3 may provide that one operator is responsible for preparation of a SWP3 in compliance with the CGP, and another operator is responsible for implementation of the SWP3 at the project site.

Section B. Responsibilities of Operators

1. Secondary Operators and Primary Operators with Control Over Construction Plans and Specifications

All secondary operators and primary operators with control over construction plans and specifications shall:

- (a) ensure the project specifications allow or provide that adequate BMPs are developed to meet the requirements of Part III of this general permit;
- (b) ensure that the SWP3 indicates the areas of the project where they have control over project specifications, including the ability to make modifications in specifications;
- (c) ensure that all other operators affected by modifications in project specifications are notified in a timely manner so that those operators may modify their BMP s as necessary to remain compliant with the conditions of this general permit; and

- (d) ensure that the SWP3 for portions of the project where each operator has control indicates the name and site-specific TPDES authorization number(s) for operators with the day-to-day operational control over those activities necessary to ensure compliance with the SWP3 and other permit conditions. If a primary operator has not been authorized or has abandoned the site, the secondary operator is considered to be the responsible party and must obtain authorization as a primary operator under the permit, until the authority for day-to-day operational control is transferred to another primary operator. The new primary operator must update or develop a new SWP3 that will reflect the transfer of operational control and include any additional updates to the SWP3 to meet requirements of the permit.

2. Primary Operators with Day-to-Day Operational Control

Primary operators with day-to-day operational control of those activities at a project that are necessary to ensure compliance with an SWP3 and other permit conditions must ensure that the SWP3 accomplishes the following requirements:

- meets the requirements of this general permit for those portions of the project where they are operators;
- identifies the parties responsible for implementation of BMPs described in the SWP3;
- indicates areas of the project where they have operational control over day-to-day activities; and
- the name and site-specific TPDES authorization number of the parties with control over project specifications, including the ability to make modifications in specifications for areas where they have operational control over day-to-day activities.

Section C. Deadlines for SWP3 Preparation, Implementation, and Compliance

The SWP3 must be prepared prior to obtaining authorization under this general permit, and implemented prior to commencing construction activities that result in soil disturbance. The SWP3 must be prepared so that it provides for compliance with the terms and conditions of this general permit.

Section D. Plan Review and Making Plans Available

- The SWP3 must be retained on-site at the construction site or, if the site is inactive or does not have an on-site location to store the plan, a notice must be posted describing the location of the SWP3. The SWP3 must be made readily available at the time of an on-site inspection to: the executive director; a federal, state, or local agency approving sediment and erosion plans, grading plans, or stormwater management plans; local government officials; and the operator of a municipal separate storm sewer receiving discharges from the site. If the SWP3 is retained off-site, then it shall be made available as soon as reasonably possible. In most instances, it is reasonable that the SWP3 shall be made available within 24 hours of the request.

NOTE: The SWP3 may be prepared and kept electronically, rather than in paper form, if the records are: (a) in a format that can be read in a similar manner as a paper record; (b) legally valid with no less evidentiary value than their paper equivalent; and (c) immediately accessible to the inspector during an inspection to the same extent as a paper copy stored at the site would be, if the records were stored in paper form.

- Operators with authorization for construction activity under this general permit must post a TCEQ site notice at the construction site at a place readily available for viewing by the general public, and local, state, and federal authorities.

- Primary and secondary operators of large construction activities must each post a TCEQ construction site notice, respective to their role as an operator at the construction site, as required above and according to requirements in Part II.E.3. of this general permit.
 - Primary and secondary operators of small construction activities must post the TCEQ site notice as required in Part III.D.2.(a) above and for the specific type of small construction described in Part II.E.1. and 2. of the permit.
 - If the construction project is a linear construction project, such as a pipeline or highway, the notices must be placed in a publicly accessible location near where construction is actively underway. TCEQ construction site notices for small and large construction activities at these linear construction sites may be relocated, as necessary, along the length of the project, but must still be readily available for viewing by the general public; local, state, and federal authorities; and contain the following information:
 - the site-specific TPDES authorization number for the project if assigned;
 - the operator name, contact name, and contact phone number;
 - a brief description of the project; and
 - the location of the SWP3.
- This permit does not provide the general public with any right to trespass on a construction site for any reason, including inspection of a site; nor does this permit require that permittees allow members of the general public access to a construction site.

Section E. Revisions and Updates to SWP3s

The permittee must revise or update the SWP3, including the site map, within seven (7) days of when any of the following occurs:

- a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been previously addressed in the SWP3;
- changing site conditions based on updated plans and specifications, new operators, new areas of responsibility, and changes in BMPs; or
- results of inspections or investigations by construction site personnel authorized by the permittee, operators of a municipal separate storm sewer system receiving the discharge, authorized TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWP3 is proving ineffective in eliminating or significantly minimizing pollutants in discharges authorized under this general permit.

Section F. Contents of SWP3

The SWP3 must be developed and implemented by primary operators of small and large construction activities and include, at a minimum, the information described in this section and must comply with the construction and development effluent guidelines in Part IV. of the general permit.

- A site or project description, which includes the following information:
 - a description of the nature of the construction activity;
 - a list of potential pollutants and their sources;
 - a description of the intended schedule or sequence of activities that will disturb soils for major portions of the site, including estimated start dates and duration of activities;

- (d) the total number of acres of the entire property and the total number of acres where construction activities will occur, including areas where construction support activities (defined in Part I.B. of this general permit) occur;
- (e) data describing the soil or the quality of any discharge from the site;
- (f) a map showing the general location of the site (e.g., a portion of a city or county map);
- (g) a detailed site map (or maps) indicating the following:
 - i. property boundary(ies);
 - ii. drainage patterns and approximate slopes anticipated before and after major grading activities;
 - iii. areas where soil disturbance will occur (note any phasing), including any demolition activities;
 - iv. locations of all controls and buffers, either planned or in place;
 - v. locations where temporary or permanent stabilization practices are expected to be used;
 - vi. locations of construction support activities, including those located off-site;
 - vii. surface waters (including wetlands) either at, adjacent, or in close proximity to the site, and also indicate whether those waters are impaired;

NOTE: Surface waters adjacent to or in close proximity to the site means any receiving waters within the site and all receiving waters within one mile downstream of the site's discharge point(s).
 - viii. locations where stormwater discharges from the site directly to a surface water body or a municipal separate storm sewer system;
 - ix. vehicle wash areas; and
 - x. designated points on the site where vehicles will exit onto paved roads (for instance, this applies to construction transition from unstable dirt areas to exterior paved roads).

Where the amount of information required to be included on the map would result in a single map being difficult to read and interpret, the operator shall develop a series of maps that collectively include the required information.
- (h) the location and description of support activities authorized under the permittee's NOI, including asphalt plants, concrete plants, and other activities providing support to the construction site that is authorized under this general permit;
- (i) the name of receiving waters at or near the site that may be disturbed or that may receive discharges from disturbed areas of the project;
- (j) a copy of this TPDES general permit (an electronic copy of this TPDES general permit or a current link to this TPDES general permit on the TCEQ webpage is acceptable);
- (k) the NOI and the acknowledgement of provisional and non-provisional authorization for primary operators of large construction sites, and the TCEQ site notice for small construction sites and for secondary operators of large construction sites;
- (l) if signatory authority is delegated by an authorized representative, then a copy of the formal notification to TCEQ, as required by 30 TAC 305.128 relating to Signatories to Reports must be filed in the SWP3 and made available for review upon request by TCEQ or local MS4 Operator. For primary operators of large construction activities, the formal notification to TCEQ must be submitted either electronically through

- STEERS, TCEQ's electronic reporting system, or, if qualifying for an electronic reporting waiver, by paper on a Delegation of Signatories form. For operators or small construction activities, the formal notification to TCEQ must be submitted by paper on a Delegation of Signatories form.
 - (m) stormwater and allowable non-stormwater discharge locations, including storm drain inlets on site and in the immediate vicinity of the construction site where construction support activities will occur; and
 - (n) locations of all pollutant-generating activities at the construction site and where construction support activities will occur, such as the following: Paving operations; concrete, paint and stucco washout and water disposal; solid waste storage and disposal; and dewatering operations.
2. A description of the BMPs that will be used to minimize pollution in runoff.
- The description must identify the general timing or sequence for installation and implementation. At a minimum, the description must include the following components:
- (a) General Requirements
 - i. Erosion and sediment controls must be designed to retain sediment on-site to the extent practicable with consideration for local topography, soil type, and rainfall.
 - ii. Control measures must be properly selected, installed, and maintained according to good engineering practices, and the manufacturer's or designer's specifications.
 - iii. Controls must be developed to minimize the offsite transport of litter, construction debris, construction materials, and other pollutants required of Part IV.D.
 - (b) Erosion Control and Stabilization Practices

The SWP3 must include a description of temporary and permanent erosion control and stabilization practices for the construction site, where small or large construction activity will occur. The erosion control and stabilization practices selected by the permittee must be compliant with the requirements for sediment and erosion control, located in Part IV. of this permit. The description of the SWP3 must also include a schedule of when the practices will be implemented. Site plans must ensure that existing vegetation at the construction site is preserved where it is possible.

 - i. Erosion control and stabilization practices may include but are not limited to: establishment of temporary or permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation, slope texturing, temporary velocity dissipation devices, flow diversion mechanisms, and other similar measures.
 - ii. The following records must be maintained and either attached to or referenced in the SWP3, and made readily available upon request to the parties listed in Part III.D.1 of this general permit:
 - (A) the dates when major grading activities occur;
 - (B) the dates when construction activities temporarily or permanently cease on a portion of the site; and
 - (C) the dates when stabilization measures are initiated.
 - iii. Erosion control and stabilization measures must be initiated immediately in portions of the site where construction activities have temporarily ceased and will not resume for a period exceeding fourteen (14) calendar days. Stabilization

measures that provide a protective cover must be initiated immediately in portions of the site where construction activities have permanently ceased. The term "immediately" is used to define the deadline for initiating stabilization measures. In the context of this requirement, "immediately" means as soon as practicable, but no later than the end of the next work day, following the day when the earth-disturbing activities have temporarily or permanently ceased. Except as provided in (A) through (D) below, these measures must be completed as soon as practicable, but no more than fourteen (14) calendar days after the initiation of soil stabilization measures:

- (A) where the immediate initiation of vegetative stabilization measures after construction activity has temporarily or permanently ceased due to frozen conditions, non-vegetative controls must be implemented until thawing conditions (as defined in Part I.B. of this general permit) are present, and vegetative stabilization measures can be initiated as soon as practicable.
 - (B) in arid areas, semi-arid areas, or drought-stricken areas, as they are defined in Part I.B. of this general permit, where the immediate initiation of vegetative stabilization measures after construction activity has temporarily or permanently ceased or is precluded by arid conditions, other types of erosion control and stabilization measures must be initiated at the site as soon as practicable. Where vegetative controls are infeasible due to arid conditions, and within fourteen (14) calendar days of a temporary or permanent cessation of construction activity in any portion of the site, the operator shall immediately install non-vegetative erosion controls in areas of the construction site where construction activity is complete or has ceased. If non-vegetative controls are infeasible, the operator shall install temporary sediment controls as required in Part III.F.2.(b)iii.(C) below.
 - (C) in areas where non-vegetative controls are infeasible, the operator may alternatively utilize temporary perimeter controls. The operator must document in the SWP3 the reason why stabilization measures are not feasible, and must demonstrate that the perimeter controls will retain sediment on site to the extent practicable. The operator must continue to inspect the BMPs at the frequencies established in Part III.F.3.(c) for unstabilized sites.
 - (D) the requirement for permittees to initiate stabilization is triggered as soon as it is known with reasonable certainty that construction activity at the site or in certain areas of the site will be stopped for 14 or more additional calendar days. If the initiation or completion of vegetative stabilization is prevented by circumstances beyond the control of the permittee, the permittee must employ and implement alternative stabilization measures immediately. When conditions at the site changes that would allow for vegetative stabilization, then the permittee must initiate or complete vegetative stabilization as soon as practicable.
- iv. Final stabilization must be achieved prior to termination of permit coverage.
 - v. TCEQ does not expect that temporary or permanent stabilization measures to be applied to areas that are intended to be left un-vegetated or un-stabilized following construction (e.g., dirt access roads, utility pole pads, areas being used for storage of vehicles, equipment, or materials).

(c) Sediment Control Practices

The SWP3 must include a description of any sediment control practices used to remove eroded soils from stormwater runoff, including the general timing or sequence for implementation of controls. Controls selected by the permittee must be compliant with the requirements in Part IV. of this permit.

- i. Sites With Drainage Areas of Ten (10) or More Acres
 - (A) Sedimentation Basin(s) or Impoundments
 - (1) A sedimentation basin or similar impoundment is required, where feasible, for a common drainage location that serves an area with ten (10) or more acres disturbed at one time. A sedimentation basin or impoundment may be temporary or permanent, and must provide sufficient storage to contain a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained. When calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from offsite areas and flow from onsite areas that are either undisturbed or have already undergone permanent stabilization, if these flows are diverted around both the disturbed areas of the site and the sediment basin or similar impoundment. Capacity calculations shall be included in the SWP3. Sedimentation basins must be designed for and appropriate for controlling runoff at the site and existing detention or retention ponds at the site may not be appropriate.
 - (2) Where rainfall data is not available, or a calculation cannot be performed, the sedimentation basin must provide at least 3,600 cubic feet of storage per acre drained until final stabilization of the site.
 - (3) If a sedimentation basin or impoundment is not feasible, then the permittee shall provide equivalent control measures until final stabilization of the site. In determining whether installing a sediment basin or impoundment is feasible, the permittee may consider factors such as site soils, slope, available area, public safety, precipitation patterns, site geometry, site vegetation, infiltration capacity, geotechnical factors, depth to groundwater, and other similar considerations. The permittee shall document the reason that the sediment basins or impoundments are not feasible, and shall utilize equivalent control measures, which may include a series of smaller sediment basins or impoundments.
 - (4) Unless infeasible, when discharging from sedimentation basins and impoundments, the permittee shall utilize outlet structures that withdraw water from the surface.
 - (B) Perimeter Controls: At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.
- ii. Controls for Sites with Drainage Areas Less than Ten (10) Acres:
 - (A) Sediment traps and sediment basins may be used to control solids in stormwater runoff for drainage locations serving less than ten (10) acres. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.

- (B) Alternatively, a sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained may be utilized. Where rainfall data is not available or a calculation cannot be performed, a temporary or permanent sediment basin providing 3,600 cubic feet of storage per acre drained may be provided. If a calculation is performed, then the calculation shall be included in the SWP3.
- (C) If sedimentation basins or impoundments are used, the permittee shall comply with the requirements in Part IV.F. of this general permit.

3. Description of Permanent Stormwater Controls

A description of any stormwater control measures that will be installed during the construction process to control pollutants in stormwater discharges that may occur after construction operations have been completed must be included in the SWP3. Permittees are responsible for the installation and maintenance of stormwater management measures, as follows:

- (a) permittees authorized under the permit for small construction activities are responsible for the installation and maintenance of stormwater control measures prior to final stabilization of the site; or
- (b) permittees authorized under the permit for large construction activities are responsible for the installation and maintenance of stormwater control measures prior to final stabilization of the site and prior to submission of an NOT.

4. Other Required Controls and BMPs

- (a) Permittees shall minimize, to the extent practicable, the off-site vehicle tracking of sediments and dust. The SWP3 shall include a description of controls utilized to control the generation of pollutants that could be discharged in stormwater from the site.
- (b) The SWP3 must include a description of construction and waste materials expected to be stored on-site and a description of controls to minimize pollutants from these materials.
- (c) The SWP3 must include a description of potential pollutant sources in discharges of stormwater from all areas of the construction site where construction activity, including construction support activities, will be located, and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.
- (d) Permittees shall place velocity dissipation devices at discharge locations and along the length of any outfall channel (i.e., runoff conveyance) to provide a non-erosive flow velocity from the structure to a water course, so that the natural physical and biological characteristics and functions are maintained and protected.
- (e) Permittees shall design and utilize appropriate controls in accordance with Part IV. of this permit to minimize the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site.
- (f) Permittees shall ensure that all other required controls and BMPs comply with all of the requirements of Part IV. of this general permit.
- (g) For demolition of any structure with at least 10,000 square feet of floor space that was built or renovated before January 1, 1980, and the receiving waterbody is impaired for polychlorinated biphenyls (PCBs):
 - i. implement controls to minimize the exposure of PCB-containing building materials, including paint, caulk, and pre-1980 fluorescent lighting fixtures to precipitation and to stormwater; and

- ii. ensure that disposal of such materials is performed in compliance with applicable state, federal, and local laws.
- ### 5. Documentation of Compliance with Approved State and Local Plans
- (a) Permittees must ensure that the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or stormwater management site plans or site permits approved by federal, state, or local officials.
 - (b) SWP3s must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or stormwater management site plans or site permits approved by state or local official for which the permittee receives written notice.
 - (c) If the permittee is required to prepare a separate management plan, including but not limited to a WPAP or Contributing Zone Plan in accordance with 30 TAC Chapter 213 (related to the Edwards Aquifer), then a copy of that plan must be either included in the SWP3 or made readily available upon request to authorized personnel of the TCEQ. The permittee shall maintain a copy of the approval letter for the plan in its SWP3.
- ### 6. Maintenance Requirements
- (a) All protective measures identified in the SWP3 must be maintained in effective operating condition. If, through inspections or other means, as soon as the permittee determines that BMPs are not operating effectively, then the permittee shall perform maintenance as necessary to maintain the continued effectiveness of stormwater controls, and prior to the next rain event if feasible. If maintenance prior to the next anticipated storm event is impracticable, the reason shall be documented in the SWP3 and maintenance must be scheduled and accomplished as soon as practicable. Erosion and sediment controls that have been intentionally disabled, run-over, removed, or otherwise rendered ineffective must be replaced or corrected immediately upon discovery.
 - (b) If periodic inspections or other information indicates a control has been used incorrectly, is performing inadequately, or is damaged, then the operator shall replace or modify the control as soon as practicable after making the discovery.
 - (c) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%. For perimeter controls such as silt fences, berms, etc., the trapped sediment must be removed before it reaches 50% of the above-ground height.
 - (d) If sediment escapes the site, accumulations must be removed at a frequency that minimizes off-site impacts, and prior to the next rain event, if feasible. If the permittee does not own or operate the off-site conveyance, then the permittee shall work with the owner or operator of the property to remove the sediment.
- ### 7. Observation and Evaluation of Dewatering Controls Pursuant to Part IV.C. of this General Permit
- (a) Personnel provided by the permittee must observe and evaluate dewatering controls at a minimum of once per day on the days where dewatering discharges from the construction site occur. Personnel conducting these evaluations must be knowledgeable of this general permit, the construction activities at the site, and the SWP3 for the site. Personnel conducting these evaluations are not required to have signatory authority for reports under 30 TAC § 305.128 (relating to Signatories to Reports).

(b) Requirements for Observations and Evaluations

- i. A report summarizing the scope of any observation and evaluation must be completed within 24-hours following the evaluation. The report must also include, at a minimum, the following:
 - (A) date of the observations and evaluation;
 - (B) name(s) and title(s) of personnel making the observations and evaluation;
 - (C) approximate times that the dewatering discharge began and ended on the day of evaluation, or if the dewatering discharge is a continuous discharge that continues after normal business hours, indicate that the discharge is continuous (this information can be reported by personnel initiating the dewatering discharge);
 - (D) estimates of the rate (in gallons per day) of discharge on the day of evaluation;
 - (E) whether or not any indications of pollutant discharge were observed at the point of discharge (e.g., foam, oil sheen, noticeable odor, floating solids, suspended sediments, or other obvious indicators of stormwater pollution); and
 - (F) major observations, including: the locations of where erosion and discharges of sediment or other pollutants from the site have occurred; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.
- ii. Actions taken as a result of evaluations, including the date(s) of actions taken, must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be retained as part of the SWP3 and signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).
- iii. The names and qualifications of personnel making the evaluations for the permittee may be documented once in the SWP3 rather than being included in each report.

8. Inspections of All Controls

- (a) Personnel provided by the permittee must inspect disturbed areas (cleared, graded, or excavated) of the construction site that do not meet the requirements of final stabilization in this general permit, all locations where stabilization measures have been implemented, areas of construction support activity covered under this permit, stormwater controls (including pollution prevention controls) for evidence of, or the potential for, the discharge of pollutants, areas where stormwater typically flows within the construction site, and points of discharge from the construction site.
 - i. Personnel conducting these inspections must be knowledgeable of this general permit, the construction activities at the site, and the SWP3 for the site.
 - ii. Personnel conducting these inspections are not required to have signatory authority for inspection reports under 30 TAC § 305.128 (relating to Signatories to Reports).

(b) Requirements for Inspections

- i. Inspect all stormwater controls (including sediment and erosion control measures identified in the SWP3) to ensure that they are installed properly, appear to be operational, and minimizing pollutants in discharges, as intended.
- ii. Identify locations on the construction site where new or modified stormwater controls are necessary.
- iii. Check for signs of visible erosion and sedimentation that can be attributed to the points of discharge where discharges leave the construction site or discharge into any surface water in the state flowing within or adjacent to the construction site.
- iv. Identify any incidents of noncompliance observed during the inspection.
- v. Inspect locations where vehicles enter or exit the site for evidence of off-site sediment tracking.
- vi. If an inspection is performed when discharges from the construction site are occurring; identify all discharge points at the site, and observe and document the visual quality of the discharge (i.e., color, odor, floating, settled, or suspended solids, foam, oil sheen, and other such indicators of pollutants in stormwater).
- vii. Complete any necessary maintenance needed, based on the results of the inspection and in accordance with the requirements listed in Part III.F.6. above.

(c) Inspection frequencies:

- i. Inspections of construction sites must be conducted at least once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater, unless as otherwise provided below in Part III.F.8.(c)ii. – v. below.
 - (A) If a storm event produces 0.5 inches or more of rain within a 24-hour period (including when there are multiple, smaller storms that alone produce less than 0.5 inches but together produce 0.5 inches or more in 24 hours), you are required to conduct one inspection within 24 hours of when 0.5 inches of rain or more has fallen. When the 24-hour inspection time frame occurs entirely outside of normal working hours, you must conduct an inspection by no later than the end of the next business day.
 - (B) If a storm event produces 0.5 inches or more of rain within a 24-hour period on the first day of a storm and continues to produce 0.5 inches or more of rain on subsequent days, you must conduct an inspection within 24 hours of the first day of the storm and within 24 hours after the last day of the storm that produces 0.5 inches or more of rain (i.e., only two (2) inspections would be required for such a storm event). When the 24-hour inspection time frame occurs entirely outside of normal working hours, you must conduct an inspection by no later than the end of the next business day.
- ii. Inspection frequencies must be conducted at least once every month in areas of the construction site that meet final stabilization or have been temporarily stabilized.
- iii. Inspection frequencies for construction sites, where runoff is unlikely due to the occurrence of frozen conditions at the site, must be conducted at least once every month until thawing conditions begin to occur (see definitions for thawing conditions in Part I.B.). The SWP3 must also contain a record of the approximate beginning and ending dates of when frozen conditions occurred at the site, which resulted in inspections being conducted monthly, while those

- conditions persisted, instead of at the interval of once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.
- iv. In arid, semi-arid, or drought-stricken areas, inspections must be conducted at least once every month and within 24 hours after the end of a storm event of 0.5 inches or greater. The SWP₃ must also contain a record of the total rainfall measured, as well as the approximate beginning and ending dates of when drought conditions occurred at the site, which resulted in inspections being conducted monthly, while those conditions persisted, instead of at the interval of once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.
 - v. As an alternative to the inspection schedule in Part III.F.8.(c)i. above, the SWP₃ may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, then the inspection must occur regardless of whether or not there has been a rainfall event since the previous inspection.
 - vi. The inspection procedures described in Part III.F.8.(c)i. – v above can be performed at the frequencies and under the applicable conditions indicated for each schedule option, provided that the SWP₃ reflects the current schedule and that any changes to the schedule are made in accordance with the following provisions: the inspection frequency schedule can only be changed a maximum of once per calendar month and implemented within the first five (5) business days of a calendar month; and the reason for the schedule change documented in the SWP₃ (e.g., end of “dry” season and beginning of “wet” season).
- (d) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part III.F.8.(a) above.
- i. Inspection of linear construction sites could require the use of vehicles that could compromise areas of temporary or permanent stabilization, cause additional disturbance of soils, and result in the increase the potential for erosion. In these circumstances, controls must be inspected at least once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater, but representative inspections may be performed.
 - ii. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described in Part III.F.8.(a) above. The conditions of the controls along each inspected 0.25-mile portion may be considered as representative of the condition of controls along that reach extending from the end of the 0.25-mile portion to either the end of the next 0.25-mile inspected portion, or to the end of the project, whichever occurs first.
- As an alternative to the inspection schedule described in Part III.F.8.(c)i. above, the SWP₃ may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur regardless of whether or not there has been a rainfall event since the previous inspection.
- iii. the SWP₃ for a linear construction site must reflect the current inspection schedule. Any changes to the inspection schedule must be made in accordance with the following provisions:
 - (A) the schedule may be changed a maximum of one time each month;

- (B) the schedule change must be implemented at the beginning of a calendar month, and
 - (C) the reason for the schedule change must be documented in the SWP₃ (e.g., end of “dry” season and beginning of “wet” season).
- (e) Adverse Conditions.
Requirements for inspections may be temporarily suspended for adverse conditions. Adverse conditions are conditions that are either dangerous to personnel (e.g., high wind, excessive lightning) or conditions that prohibit access to the site (e.g., flooding, freezing conditions). Adverse conditions that result in the temporary suspension of a permit requirement to inspect must be documented and included as part of the SWP₃. Documentation must include:
- i. the date and time of the adverse condition,
 - ii. names of personnel that witnessed the adverse condition, and
 - iii. a narrative for the nature of the adverse condition.
- (f) In the event of flooding or other adverse conditions which prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable. Inspection Reports.
- i. A report summarizing the scope of any inspection must be completed within 24-hours following the inspection. The report must also include the date(s) of the inspection and major observations relating to the implementation of the SWP₃. Major observations in the report must include: the locations of where erosion and discharges of sediment or other pollutants from the site have occurred; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.
 - ii. Actions taken as a result of inspections, including the date(s) of actions taken, must be described within, and retained as a part of, the SWP₃. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP₃ and this permit. The report must be retained as part of the SWP₃ and signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).
 - iii. The names and qualifications of personnel making the inspections for the permittee may be documented once in the SWP₃ rather than being included in each report.
- (g) The SWP₃ must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions to the SWP₃ must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the SWP₃ and wherever possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable. If necessary, modify your site map to reflect changes to your stormwater controls that are no longer accurately reflected on the current site map.
- 9. The SWP₃ must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-stormwater components of the discharge, as listed in Part III.A.3. of this permit.
 - 10. The SWP₃ must include the information required in Part III.B. of this general permit.

11. The SWP3 must include pollution prevention procedures that comply with Part IV.D. of this general permit.

Part IV. Erosion and Sediment Control Requirements Applicable to All Sites

Except as provided in 40 CFR §§ 125.30-125.32, any discharge regulated under this general permit, with the exception of sites that obtained waivers based on low rainfall erosivity, must achieve, at a minimum, the following effluent limitations representing the degree of effluent reduction attainable by application of the best practicable control technology currently available (BPT). The BPT are also required by and must satisfy the Effluent Limitations Guideline (ELG) permitting requirement for application of 40 CFR § 450.24 New Source Performance Standards (NSPS), 40 CFR § 450.22 Best Available Technology Economically Achievable (BAT), and 40 CFR § 450.23 Best Conventional Pollutant Control Technology (BCT).

Section A. Erosion and Sediment Controls

Design, install, and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed, and maintained to:

1. control stormwater volume and velocity within the site to minimize soil erosion in order to minimize pollutant discharges;
2. control stormwater discharges, including both peak flowrates and total stormwater volume, to minimize channel and streambank erosion and scour in the immediate vicinity of discharge point(s);
3. minimize the amount of soil exposed during construction activity;
4. minimize the disturbance of steep slopes;
5. minimize sediment discharges from the site. The design, installation, and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;
6. provide and maintain appropriate natural buffers around surface water in the state. Direct stormwater to vegetated areas and maximize stormwater infiltration to reduce pollutant discharges, unless infeasible. If providing buffers is infeasible, the permittee shall document the reason that natural buffers are infeasible and shall implement additional erosion and sediment controls to reduce sediment load;
7. preserve native topsoil at the site, unless the intended function of a specific area of the site dictates that the topsoil be disturbed or removed, or it is infeasible; and
8. minimize soil compaction. In areas of the construction site where final vegetative stabilization will occur or where infiltration practices will be installed, either:
 - (a) restrict vehicle and equipment use to avoid soil compaction; or
 - (b) prior to seeding or planting areas of exposed soil that have been compacted, use techniques that condition the soils to support vegetative growth, if necessary and feasible.

Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted.

9. TCEQ does not consider stormwater control features (e.g., stormwater conveyance channels, storm drain inlets, sediment basins) to constitute "surface water" for the purposes of triggering the buffer requirement in Part IV.A.(6) above.

Section B. Soil Stabilization

Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding fourteen (14) calendar days. In the context of this requirement, "immediately" means as soon as practicable, but no later than the end of the next workday, following the day when the earth-disturbing activities have temporarily or permanently ceased. Temporary stabilization must be completed no more than fourteen (14) calendar days after initiation of soil stabilization measures, and final stabilization must be achieved prior to termination of permit coverage. In arid, semi-arid, and drought-stricken areas where initiating vegetative stabilization measures immediately is infeasible, alternative non-vegetative stabilization measures must be employed as soon as practicable. Refer to Part III.F.2.(b) for complete erosion control and stabilization practice requirements. In limited circumstances, stabilization may not be required if the intended function of a specific area of the site necessitates that it remain disturbed.

Section C. Dewatering

Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited, unless managed by appropriate controls to address sediment and prevent erosion. Operators must observe and evaluate the dewatering controls once per day while the dewatering discharge occurs as described in Part III.F.7. of this general permit.

Section D. Pollution Prevention Measures

Design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented, and maintained to:

1. minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
2. minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials present on the site to precipitation and to stormwater;
3. minimize the exposure of waste materials by closing waste container lids at the end of the workday and during storm events. For waste containers that do not have lids, where the container itself is not sufficiently secure enough to prevent the discharge of pollutants absent a cover and could leak, the permittee must provide either a cover (e.g., a tarp, plastic sheeting, temporary roof) to minimize exposure of wastes to precipitation, stormwater, and wind, or a similarly effective means designed to minimize the discharge of pollutants (e.g., secondary containment). Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use);
4. minimize exposure of wastes by implementing good housekeeping measures. Wastes must be cleaned up and disposed of in designated waste containers on days of operation at the site. Wastes must be cleaned up immediately if containers overflow;

5. minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period, you must notify the National Response Center (NRC) at (800) 424-8802 in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 as soon as you have knowledge of the release. You must also, within seven (7) calendar days of knowledge of the release, provide a description of the release, the circumstances leading to the release, and the date of the release; and
6. minimize exposure of sanitary waste by positioning portable toilets so that they are secure and will not be tipped or knocked over, and so that they are located away from surface water in the state and stormwater inlets or conveyances.

Section E. Prohibited Discharges

The following discharges are prohibited:

1. wastewater from wash out of concrete, unless managed by an appropriate control;
2. wastewater from wash out and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;
3. fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
4. soaps or solvents used in vehicle and equipment washing; and
5. toxic or hazardous substances from a spill or other release.

Section F. Surface Outlets

When discharging from basins and impoundments, utilize outlet structures that withdraw water from the surface, unless infeasible. If infeasible, the permittee must provide documentation in the SWP3 to support the determination, including the specific conditions or time periods when this exception will apply.

Part V. Stormwater Runoff from Concrete Batch Plants

Discharges of stormwater runoff from concrete batch plants present at regulated construction sites and operated as a construction support activity may be authorized under the provisions of this general permit, provided that the following requirements are met for concrete batch plant(s) authorized under this permit. Only the discharges of stormwater runoff and non-stormwater from concrete batch plants that meet the requirements of a construction support activity can be authorized under this permit (see the requirements for “Non-Stormwater Discharges” in Part II.A.3. and “Discharges of Stormwater Associated with Construction Support Activity” in Part II.A.2.).

If discharges of stormwater runoff or non-stormwater from concrete batch plants are not authorized under this general permit, then discharges must be authorized under an alternative general permit or individual permit [see the requirement in Part II.A.2.(c)].

This permit does not authorize the discharge or land disposal of any wastewater from concrete batch plants at regulated construction sites. Authorization for these wastes must be obtained under an individual permit or an alternative general permit.

Section A. Benchmark Sampling Requirements

1. Operators of concrete batch plants authorized under this general permit shall sample the stormwater runoff from the concrete batch plants according to the requirements of this section of this general permit, and must conduct evaluations on the effectiveness of the SWP3 based on the following benchmark monitoring values:

Table 1. Benchmark Parameters

Benchmark Parameter	Benchmark Value	Sampling Frequency	Sample Type
Oil and Grease (*1)	15 mg/L	1/quarter (*2) (*3)	Grab (*4)
Total Suspended Solids (*1)	50 mg/L	1/quarter (*2) (*3)	Grab (*4)
pH	6.0 – 9.0 Standard Units	1/quarter (*2) (*3)	Grab (*4)
Total Iron (*1)	1.3 mg/L	1/quarter (*2) (*3)	Grab (*4)

(*1) All analytical results for these parameters must be obtained from a laboratory that is accredited based on rules located in 30 TAC § 25.4 (a) or through the National Environmental Laboratory Accreditation Program (NELAP). Analysis must be performed using sufficiently sensitive methods for analysis that comply with the rules located in 40 CFR §§ 136.1(c) and 122.44(i)(1)(iv).

(*2) When discharge occurs, sampling is required within the first 30 minutes of discharge. If it is not practicable to take the sample, or to complete the sampling, within the first 30 minutes, sampling must be completed within the first hour of discharge. If sampling is not completed within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity.

(*3) Sampling must be conducted at least once during each of the following periods. The first sample must be collected during the first full quarter that a stormwater discharge occurs from a concrete batch plant authorized under this general permit.

- January through March
- April through June
- July through September
- October through December

For projects lasting less than one full quarter, a minimum of one sample shall be collected, provided that a stormwater discharge occurred at least once following submission of the NOI or following the date that automatic authorization was obtained under Part II.E.2., and prior to terminating coverage.

(*4) A grab sample shall be collected from the stormwater discharge resulting from a storm event that is at least 0.1 inches of measured precipitation that occurs at least 72 hours from the previously measurable storm event. The sample shall be collected downstream of the concrete batch plant, and where the discharge exits any BMPs utilized to handle the runoff from the batch plant, prior to commingling with any other water authorized under this general permit.

2. The permittee must compare the results of sample analyses to the benchmark values above, and must include this comparison in the overall assessment of the SWP3's effectiveness. Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not numeric effluent limitations. Results of analyses are indicators that modifications of the SWP3 should be assessed and may be necessary to protect water quality. The operator must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 by the end of the quarter following the sampling event.

The operator's investigation must identify the following:

- (a) any additional potential sources of pollution, such as spills that might have occurred;
- (b) necessary revisions to good housekeeping measures that are part of the SWP3;
- (c) additional BMPs, including a schedule to install or implement the BMPs; and
- (d) other parts of the SWP3 that may require revisions in order to meet the goal of the benchmark values.

Background concentrations of specific pollutants may also be considered during the investigation. If the operator is able to relate the cause of the exceedance to background concentrations, then subsequent exceedances of benchmark values for that pollutant may be resolved by referencing earlier findings in the SWP3. Background concentrations may be identified by laboratory analyses of samples of stormwater run-on to the permitted facility, by laboratory analyses of samples of stormwater run-off from adjacent non-industrial areas, or by identifying the pollutant is a naturally occurring material in soils at the site.

Section B. Best Management Practices (BMPs) and SWP3 Requirements

Minimum SWP3 Requirements – The following are required in addition to other SWP3 requirements listed in this general permit, which include, but are not limited to the applicable requirements located in Part III.F.8. of this general permit, as follows:

1. Description of Potential Pollutant Sources – The SWP3 must provide a description of potential sources (activities and materials) that can cause, have a reasonable potential to cause or contribute to a violation of water quality standards or have been found to cause, or contribute to, the loss of a designated use of surface water in the state in stormwater discharges associated with concrete batch plants authorized under this permit. The SWP3 must describe the implementation of practices that will be used to minimize to the extent practicable the discharge of pollutants in stormwater discharges associated with industrial activity and non-stormwater discharges (described in Part II.A.3. of this general permit), in compliance with the terms and conditions of this general permit, including the protection of water quality, and must ensure the implementation of these practices.

The following must be developed, at a minimum, in support of developing this description:

- (a) Drainage – The site map must include the following information:
 - i. the location of all outfalls for stormwater discharges associated with concrete batch plants that are authorized under this permit;
 - ii. a depiction of the drainage area and the direction of flow to the outfall(s);
 - iii. structural controls used within the drainage area(s);

- iv. the locations of the following areas associated with concrete batch plants that are exposed to precipitation: vehicle and equipment maintenance activities (including fueling, repair, and storage areas for vehicles and equipment scheduled for maintenance); areas used for the treatment, storage, or disposal of wastes; liquid storage tanks; material processing and storage areas; and loading and unloading areas; and
 - v. the locations of the following: any bag house or other dust control device(s); recycle/sedimentation pond, clarifier or other device used for the treatment of facility wastewater (including the areas that drain to the treatment device); areas with significant materials; and areas where major spills or leaks have occurred.
- (b) Inventory of Exposed Materials – A list of materials handled at the concrete batch plant that may be exposed to stormwater and precipitation and that have a potential to affect the quality of stormwater discharges associated with concrete batch plants that are authorized under this general permit.
 - (c) Spills and Leaks – A list of significant spills and leaks of toxic or hazardous pollutants that occurred in areas exposed to stormwater and precipitation and that drain to stormwater outfalls associated with concrete batch plants authorized under this general permit must be developed, maintained, and updated as needed.
 - (d) Sampling Data – A summary of existing stormwater discharge sampling data must be maintained, if available.
2. Measures and Controls – The SWP3 must include a description of management controls to regulate pollutants identified in the SWP3's "Description of Potential Pollutant Sources" from Part V.B.1. of this permit, and a schedule for implementation of the measures and controls. This must include, at a minimum:
 - (a) Good Housekeeping – Good housekeeping measures must be developed and implemented in the area(s) associated with concrete batch plants.
 - i. Operators must prevent or minimize the discharge of spilled cement, aggregate (including sand or gravel), settled dust, or other significant materials from paved portions of the site that are exposed to stormwater. Measures used to minimize the presence of these materials may include regular sweeping or other equivalent practices. These practices must be conducted at a frequency that is determined based on consideration of the amount of industrial activity occurring in the area and frequency of precipitation, and shall occur at least once per week when cement or aggregate is being handled or otherwise processed in the area.
 - ii. Operators must prevent the exposure of fine granular solids, such as cement, to stormwater. Where practicable, these materials must be stored in enclosed silos, hoppers or buildings, in covered areas, or under covering.
 - (b) Spill Prevention and Response Procedures – Areas where potential spills that can contribute pollutants to stormwater runoff and precipitation, and the drainage areas from these locations, must be identified in the SWP3. Where appropriate, the SWP3 must specify material handling procedures, storage requirements, and use of equipment. Procedures for cleaning up spills must be identified in the SWP3 and made available to the appropriate personnel.
 - (c) Inspections – Qualified facility personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) must be identified to inspect designated equipment and areas of the facility specified in the SWP3. Personnel conducting these inspections are not required to have signatory authority for inspection reports under 30 TAC § 305.128. Inspections of facilities in operation must be performed

once every seven (7) days. Inspections of facilities that are not in operation must be performed at a minimum of once per month. The current inspection frequency being implemented at the facility must be recorded in the SWP3. The inspection must take place while the facility is in operation and must, at a minimum, include all areas that are exposed to stormwater at the site, including material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, truck wash down and equipment cleaning areas. Follow-up procedures must be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections must be maintained and be made readily available for inspection upon request.

- (d) **Employee Training** – An employee training program must be developed to educate personnel responsible for implementing any component of the SWP3, or personnel otherwise responsible for stormwater pollution prevention, with the provisions of the SWP3. The frequency of training must be documented in the SWP3, and at a minimum, must consist of one (1) training prior to the initiation of operation of the concrete batch plant.
 - (e) **Record Keeping and Internal Reporting Procedures** – A description of spills and similar incidents, plus additional information that is obtained regarding the quality and quantity of stormwater discharges, must be included in the SWP3. Inspection and maintenance activities must be documented and records of those inspection and maintenance activities must be incorporated in the SWP3.
 - (f) **Management of Runoff** – The SWP3 shall contain a narrative consideration for reducing the volume of runoff from concrete batch plants by diverting runoff or otherwise managing runoff, including use of infiltration, detention ponds, retention ponds, or reusing of runoff.
3. **Comprehensive Compliance Evaluation** – At least once per year, one or more qualified personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) shall conduct a compliance evaluation of the plant. The evaluation must include the following:
- (a) visual examination of all areas draining stormwater associated with regulated concrete batch plants for evidence of, or the potential for, pollutants entering the drainage system. These include, but are not limited to: cleaning areas, material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, and truck wash down and equipment cleaning areas. Measures implemented to reduce pollutants in runoff (including structural controls and implementation of management practices) must be evaluated to determine if they are effective and if they are implemented in accordance with the terms of this permit and with the permittee's SWP3. The operator shall conduct a visual inspection of equipment needed to implement the SWP3, such as spill response equipment.
 - (b) based on the results of the evaluation, the following must be revised as appropriate within two (2) weeks of the evaluation: the description of potential pollutant sources identified in the SWP3 (as required in Part V.B.1., "Description of Potential Pollutant Sources"); and pollution prevention measures and controls identified in the SWP3 (as required in Part V.B.2., "Measures and Controls"). The revisions may include a schedule for implementing the necessary changes.
 - (c) the permittee shall prepare and include in the SWP3 a report summarizing the scope of the evaluation, the personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the SWP3, and actions taken in response to the findings of the evaluation. The report must identify any incidents of noncompliance. Where the report does not identify incidences of noncompliance, the report must contain a statement that the evaluation did not identify any

incidence(s), and the report must be signed according to 30 TAC § 305.128 (relating to Signatories to Reports).

- (d) the Comprehensive Compliance Evaluation may substitute for one of the required inspections delineated in Part V.B.2.(C) of this general permit.

Section C. Prohibition of Wastewater Discharges

Wastewater discharges associated with concrete production including wastewater disposal by land application are not authorized under this general permit. These wastewater discharges must be authorized under an alternative TCEQ water quality permit or otherwise disposed of in an authorized manner. Discharges of concrete truck wash out at construction sites may be authorized if conducted in accordance with the requirements of Part VI of this general permit.

Part VI. Concrete Truck Wash Out Requirements

This general permit authorizes the land disposal of wash out from concrete trucks at construction sites regulated under this general permit, provided the following requirements are met. Any discharge of concrete production wastewater to surface water in the state must be authorized under a separate TCEQ general permit or individual permit.

- A. Discharge of concrete truck wash out water to surface water in the state, including discharge to storm sewers, is prohibited by this general permit.
- B. Concrete truck wash out water shall be disposed in areas at the construction site where structural controls have been established to prevent discharge to surface water in the state, or to areas that have a minimal slope that allow infiltration and filtering of wash out water to prevent discharge to surface water in the state. Structural controls may consist of temporary berms, temporary shallow pits, temporary storage tanks with slow rate release, or other reasonable measures to prevent runoff from the construction site.
- C. Wash out of concrete trucks during rainfall events shall be minimized. The discharge of concrete truck wash out water is prohibited at all times, and the operator shall insure that its BMPs are sufficient to prevent the discharge of concrete truck wash out as the result of rainfall or stormwater runoff.
- D. The disposal of wash out water from concrete trucks, made under authorization of this general permit must not cause or contribute to groundwater contamination.
- E. If a SWP3 is required to be implemented, the SWP3 shall include concrete wash out areas on the associated site map.

Part VII. Retention of Records

The permittee must retain the following records for a minimum period of three (3) years from the date that a NOT is submitted as required in Part II.F.1. and 2. of this permit. For activities in which an NOT is not required, records shall be retained for a minimum period of three (3) years from the date that the operator terminates coverage under Section II.F.3. of this permit. Records include:

- A. a copy of the SWP3;
- B. all reports and actions required by this permit, including a copy of the TCEQ construction site notice;
- C. all data used to complete the NOI, if an NOI is required for coverage under this general permit; and
- D. all records of submittal of forms submitted to the operator of any MS4 receiving the discharge and to the secondary operator of a large construction site, if applicable.

Part VIII. Standard Permit Conditions

- A. The permittee has a duty to comply with all permit conditions. Failure to comply with any permit condition is a violation of the permit and statutes under which it was issued (CWA and TWC), and is grounds for enforcement action, for terminating, revoking and reissuance, or modification, or denying coverage under this general permit, or for requiring a discharger to apply for and obtain an individual TPDES permit, based on rules located in TWC § 23.086, 30 TAC § 305.66, and 40 CFR § 122.41 (a).
- B. Authorization under this general permit may be modified, suspended, revoked and reissued, terminated or otherwise suspended for cause, based on rules located in TWC § 23.086, 30 TAC § 305.66, and 40 CFR § 122.41(f). Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee must furnish to the executive director, upon request and within a reasonable time, any information necessary for the executive director to determine whether cause exists for modifying, revoking and reissuing, terminating or, otherwise suspending authorization under this permit, based on rules located in TWC § 23.086, 30 TAC § 305.66, and 40 CFR § 122.41 (h). Additionally, the permittee must provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of this general permit.
- C. It is not a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the permit conditions.
- D. Inspection and entry shall be allowed under TWC Chapters 26–28, Texas Health and Safety Code §§ 361.032–361.033 and 361.037, and 40 CFR § 122.41(i). The statement in TWC § 26.014 that commission entry of a facility shall occur according to an establishment's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the facility or site, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.
- E. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under TWC Chapter 7 for violations including but not limited to the following:
1. negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA § 402, or any requirement imposed in a pretreatment program approved under CWA §§ 402(a)(3) or 402(b)(8);
 2. knowingly making any false statement, representation, or certification in any record or other document submitted or required to be maintained under a permit, including monitoring reports or reports of compliance or noncompliance; and
 3. knowingly violating CWA §303 and placing another person in imminent danger of death or serious bodily injury.
- F. All reports and other information requested by the executive director must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).
- G. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.
- H. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

- I. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
- J. The permittee shall comply with the monitoring and reporting requirements in 40 CFR § 122.41(j) and (l), as applicable.
- K. Analysis must be performed using sufficiently sensitive methods for analysis that comply with the rules located in 40 CFR §§ 136.1(c) and 122.44(i)(1)(iv).

Part IX. Fees

- A. A fee of must be submitted along with the NOI:
1. \$225 if submitting an NOI electronically, or
 2. \$325 if submitting a paper NOI.
- B. Fees are due upon submission of the NOI. An NOI will not be declared administratively complete unless the associated fee has been paid in full.
- C. No separate annual fees will be assessed for this general permit. The Water Quality Annual Fee has been incorporated into the NOI fees as described above.

Appendix A: Automatic Authorization
Periods of Low Erosion Potential by County – Eligible Date Ranges

Andrews: Nov. 15 - Apr. 30
 Archer: Dec. 15 - Feb. 14
 Armstrong: Nov. 15 - Apr. 30
 Bailey: Nov. 1 - Apr. 30, or Nov. 15 - May 14
 Baylor: Dec. 15 - Feb. 14
 Borden: Nov. 15 - Apr. 30
 Brewster: Nov. 15 - Apr. 30
 Briscoe: Nov. 15 - Apr. 30
 Brown: Dec. 15 - Feb. 14
 Callahan: Dec. 15 - Feb. 14
 Carson: Nov. 15 - Apr. 30
 Castro: Nov. 15 - Apr. 30
 Childress: Dec. 15 - Feb. 14
 Cochran: Nov. 1 - Apr. 30, or Nov. 15 - May 14
 Coke: Dec. 15 - Feb. 14
 Coleman: Dec. 15 - Feb. 14
 Collingsworth: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28
 Concho: Dec. 15 - Feb. 14
 Cottle: Dec. 15 - Feb. 14
 Crane: Nov. 15 - Apr. 30
 Crockett: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30
 Crosby: Nov. 15 - Apr. 30
 Culberson: Nov. 1 - May 14
 Dallam: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30
 Dawson: Nov. 15 - Apr. 30
 Deaf Smith: Nov. 15 - Apr. 30
 Dickens: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30
 Dimmit: Dec. 15 - Feb. 14
 Donley: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28
 Eastland: Dec. 15 - Feb. 14
 Ector: Nov. 15 - Apr. 30
 Edwards: Dec. 15 - Feb. 14
 El Paso: Jan. 1 - Jul. 14, or May 15 - Jul. 31, or Jun. 1 - Aug. 14, or Jun. 15 - Sept. 14, or Jul. 1 - Oct. 14, or Jul. 15 - Oct. 31, or Aug. 1 - Apr. 30, or Aug. 15 - May 14, or Sept. 1 - May 30, or Oct. 1 - Jun. 14, or Nov. 1 - Jun. 30, or Nov. 15 - Jul. 14
 Fisher: Dec. 15 - Feb. 14
 Floyd: Nov. 15 - Apr. 30
 Foard: Dec. 15 - Feb. 14
 Gaines: Nov. 15 - Apr. 30
 Garza: Nov. 15 - Apr. 30
 Glasscock: Nov. 15 - Apr. 30
 Hale: Nov. 15 - Apr. 30
 Hall: Feb. 1 - Mar. 30
 Hansford: Nov. 15 - Apr. 30
 Hardeman: Dec. 15 - Feb. 14
 Hartley: Nov. 15 - Apr. 30
 Haskell: Dec. 15 - Feb. 14
 Hockley: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30
 Howard: Nov. 15 - Apr. 30
 Hudspeth: Nov. 1 - May 14
 Hutchinson: Nov. 15 - Apr. 30
 Irion: Dec. 15 - Feb. 14
 Jeff Davis: Nov. 1 - Apr. 30 or Nov. 15 - May 14
 Jones: Dec. 15 - Feb. 14
 Kent: Nov. 15 - Jan. 14 or Feb. 1 - Mar. 30
 Kerr: Dec. 15 - Feb. 14
 Kimble: Dec. 15 - Feb. 14
 King: Dec. 15 - Feb. 14
 Kinney: Dec. 15 - Feb. 14
 Knox: Dec. 15 - Feb. 14
 Lamb: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30
 Loving: Nov. 1 - Apr. 30, or Nov. 15 - May 14
 Lubbock: Nov. 15 - Apr. 30
 Lynn: Nov. 15 - Apr. 30
 Martin: Nov. 15 - Apr. 30
 Mason: Dec. 15 - Feb. 14
 Maverick: Dec. 15 - Feb. 14
 McCulloch: Dec. 15 - Feb. 14
 Menard: Dec. 15 - Feb. 14
 Midland: Nov. 15 - Apr. 30
 Mitchell: Nov. 15 - Apr. 30
 Moore: Nov. 15 - Apr. 30
 Motley: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30
 Nolan: Dec. 15 - Feb. 14
 Oldham: Nov. 15 - Apr. 30

Parmer: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30
 Pecos: Nov. 15 - Apr. 30
 Potter: Nov. 15 - Apr. 30
 Presidio: Nov. 1 - Apr. 30, or Nov. 15 - May 14
 Randall: Nov. 15 - Apr. 30
 Reagan: Nov. 15 - Apr. 30
 Real: Dec. 15 - Feb. 14
 Reeves: Nov. 1 - Apr. 30, or Nov. 15 - May 14
 Runnels: Dec. 15 - Feb. 14
 Schleicher: Dec. 15 - Feb. 14
 Scurry: Nov. 15 - Apr. 30
 Shackelford: Dec. 15 - Feb. 14
 Sherman: Nov. 15 - Apr. 30
 Stephens: Dec. 15 - Feb. 14
 Sterling: Nov. 15 - Apr. 30
 Stonewall: Dec. 15 - Feb. 14
 Sutton: Dec. 15 - Feb. 14
 Swisher: Nov. 15 - Apr. 30
 Taylor: Dec. 15 - Feb. 14
 Terrell: Nov. 15 - Apr. 30
 Terry: Nov. 15 - Apr. 30
 Throckmorton: Dec. 15 - Feb. 14
 Tom Green: Dec. 15 - Feb. 14
 Upton: Nov. 15 - Apr. 30
 Uvalde: Dec. 15 - Feb. 14
 Val Verde: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30
 Ward: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30
 Wichita: Dec. 15 - Feb. 14
 Wilbarger: Dec. 15 - Feb. 14
 Winkler: Nov. 1 - Apr. 30, or Nov. 15 - May 14
 Yoakum: Nov. 1 - Apr. 30, or Nov. 15 - May 14
 Young: Dec. 15 - Feb. 14
 Wheeler: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28
 Zavala: Dec. 15 - Feb. 14

Appendix B: Storm Erosivity (EI) Zones in Texas

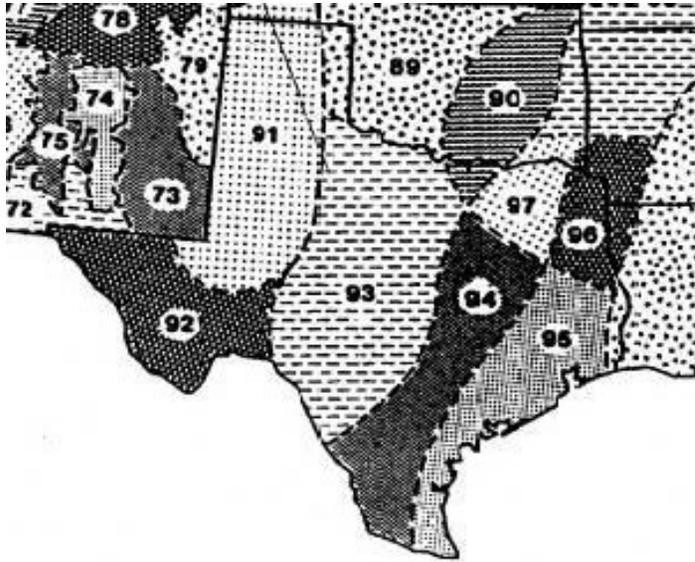


Figure B. EI Distribution Zones

Adapted from Chapter 2 of USDA Agriculture Handbook 703: "Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)," U.S. Department of Agriculture, Agricultural Research Service

Appendix C: Isoerodent Map

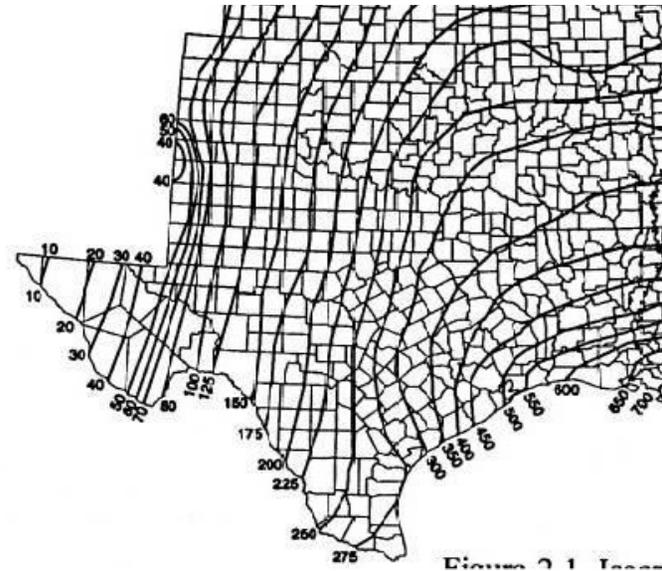


Figure C. Isoerodent Map of Texas. Units are hundreds ft*tonf*in(ac*h*yr)⁻¹.

Adapted from Chapter 2 of USDA Agriculture Handbook 703: "Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)," U.S. Department of Agriculture, Agricultural Research Service

Appendix D: Erosivity Indices for EI Zones in Texas

Table D. EI as percentage of average annual computed selected geographic areas (EI number) by date period (month/day).

Date Periods* (Month/Day)

EI #	1/1	1/16	1/31	2/15	3/1	3/16	3/31	4/15	4/30	5/15	5/30	6/14	6/29	7/14	7/29	8/13	8/28	9/12	9/27	10/12	10/27	11/11	11/26	12/11	12/31
89	0	1	1	2	3	4	7	2	8	27	38	48	55	62	69	76	83	90	94	97	98	99	100	100	100
90	0	1	2	3	4	6	8	13	21	29	37	46	54	60	65	69	74	81	87	92	95	97	98	99	100
91	0	0	0	0	1	1	1	2	6	16	29	39	46	53	60	67	74	81	88	95	99	99	100	100	100
92	0	0	0	0	1	1	1	2	6	16	29	39	46	53	60	67	74	81	88	95	99	99	100	100	100
93	0	1	1	2	3	4	6	8	13	25	40	49	56	62	67	72	76	80	85	91	97	98	99	99	100
94	0	1	2	4	6	8	10	15	21	29	38	47	53	57	61	65	70	76	83	88	91	94	96	98	100
95	0	1	3	5	7	9	11	14	18	27	35	41	46	51	57	62	68	73	79	84	89	93	96	98	100
96	0	2	4	6	9	12	17	23	30	37	43	49	54	58	62	66	70	74	78	82	86	90	94	97	100
97	0	1	3	5	7	10	14	20	28	37	48	56	61	64	68	72	77	81	86	89	92	95	98	99	100
106	0	3	6	9	13	17	21	27	33	38	44	49	55	61	67	71	75	78	81	84	86	90	94	97	100

*Each period begins on the date listed in the table above and lasts until the day before the following period. The final period begins on December 11 and ends on December 31.

Table adapted from Chapter 2 of USDA Agriculture Handbook 703: "Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)," U.S. Department of Agriculture, Agricultural Research Service.



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Texas Pollutant Discharge Elimination System
Stormwater Construction General Permit**

The Notice of Intent (NOI) for the facility listed below was received on December 11, 2025. The intent to discharge stormwater associated with construction activity under the terms and conditions imposed by the Texas Pollutant Discharge Elimination System (TPDES) stormwater Construction General Permit (CGP) TXR150000 is acknowledged. Your facility's unique TPDES CGP stormwater authorization number is:

TXR1516WS

Coverage Effective: December 11, 2025

The TCEQ's stormwater CGP requires certain stormwater pollution prevention and control measures, possible monitoring and reporting, and periodic inspections. Among the conditions and requirements of this permit, you must have prepared and implemented a stormwater pollution prevention plan (SWP3) that is tailored to your construction site. As a facility authorized to discharge under the stormwater CGP, all terms and conditions must be complied with to maintain coverage and avoid possible penalties.

Project/Site Information:

RN112335997
Sentinel Peak Park At Old Boy Scout Ranch
5800 Farm To Market 32
Fischer, TX 78623
Hays County

Operator:

CN605973312
Spaw-Glass, Inc.
9331 Corporate Dr
Selma, TX 78154

This CGP and all authorizations expire on March 5, 2028, unless otherwise amended. If you have any questions related to processing of your application, you may contact the Stormwater Processing Center by **email at SWPERMIT@tceq.texas.gov or by telephone at (512) 239-3700**. For technical issues, you may contact the stormwater technical staff by **email at SWGPA@tceq.texas.gov or by telephone at (512) 239-4671**. Also, you may obtain information on the TCEQ web site at <https://www.tceq.texas.gov/goto/wq-dpa>. A copy of this document should be kept with your SWP3.

A handwritten signature in cursive script that reads "K. Keel".

Issued Date: December 11, 2025

FOR THE COMMISSION

Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

Dear Applicant:

Re: TPDES General Permit for Construction Stormwater Runoff (TXR150000)
Notice of Intent Authorization

Your Notice of Intent (NOI) application for authorization under the general permit for discharge of stormwater associated with construction activities has been received. Pursuant to authorization from the Executive Director of the Texas Commission on Environmental Quality, the Division Deputy Director of the Water Quality Division has issued the enclosed Certificate.

Please refer to the attached certificate for the authorization number that was assigned to your project/site and the effective date. Please use this number to reference this project/site for future communications with the Texas Commission on Environmental Quality (TCEQ).

Authorization under the Edwards Aquifer Protection Program is required before construction can begin where the site is located within the Edwards Aquifer Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone. See <https://www.tceq.texas.gov/permitting/eapp/viewer.html> for additional information.

It is the responsibility of the Operator to notify the TCEQ Stormwater Processing Center of any change in address supplied on the original Notice of Intent by submitting a Notice of Change.

A Notice of Termination must be submitted when permit coverage is no longer needed.

For questions related to processing of your application you may contact the Stormwater Processing Center by email at SWPERMIT@tceq.texas.gov or by telephone at (512) 239-3700. If you have any technical questions regarding the general permit, you may contact the stormwater technical staff by email at SWG@tceq.texas.gov or by telephone at (512) 239-4671. Also, you may obtain information on the stormwater web site at <https://www.tceq.texas.gov/permitting/stormwater>.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Sadlier".

Robert Sadlier, Deputy Director
Water Quality Division

Texas Commission on Environmental Quality

Construction Notice of Intent

Site Information (Regulated Entity)

What is the name of the site to be authorized?	Sentinel Peak Park at Old Boy Scout Ranch
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	5800 Farm to Market 32
City	Fischer
State	TX
ZIP	78623
County	HAYS
Latitude (N) (##.#####)	29.9559
Longitude (W) (-###.#####)	-98.1782
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	
Secondary NAICS Code	

Regulated Entity Site Information

What is the Regulated Entity's Number (RN)?	
What is the name of the Regulated Entity (RE)?	Sentinel Peak Park at Old Boy Scout Ranch
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	5800 Farm to Market 32
City	Fischer
State	TX
ZIP	78623
County	HAYS
Latitude (N) (##.#####)	29.9559
Longitude (W) (-###.#####)	-98.1782
Facility NAICS Code	
What is the primary business of this entity?	Park Upgrades

Customer (Applicant) Information

How is this applicant associated with this site?	Operator
What is the applicant's Customer Number (CN)?	CN605973312
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Spaw-Glass, Inc.

Texas SOS Filing Number	111595000
Federal Tax ID	
State Franchise Tax ID	17411797206
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	21-100
Independently Owned and Operated?	No
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes

Responsible Authority Contact

Organization Name	Spaw-Glass, Inc.
Prefix	
First	Stephen
Middle	
Last	Raley
Suffix	
Credentials	
Title	Project Executive

Responsible Authority Mailing Address

Enter new address or copy one from list:

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	9331 CORPORATE DR
Routing (such as Mail Code, Dept., or Attn:)	
City	SELMA
State	TX
ZIP	78154
Phone (###-###-####)	2106519000
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Stephen.Raley@spawglass.com

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Fisher Environmental Services
Prefix	
First	Kristopher
Middle	D

Last	Doty
Suffix	
Credentials	PG (TBPG)
Title	Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	530 CACTUS FLOWER ST
Routing (such as Mail Code, Dept., or Attn:)	
City	SAN ANTONIO
State	TX
ZIP	78260
Phone (###-###-####)	2103639343
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	dylan.doty@fisherenviro.com

CNOI General Characteristics

1 Is the project or site located on Indian Country Lands?	No
2 Is the project or site associated to a facility that is licensed for the disposal or storage of high-level radioactive waste by the United States Nuclear Regulatory Commission under 10 CFR Part 72?	No
3 Is your construction activity associated with an oil and gas exploration, production, processing, or treatment, or transmission facility?	No
4 Is the project or site associated to a quarrying facility that is located within either the John Graves Scenic Riverway or Coke Stevenson Scenic Riverway, as defined in 30 TAC 311.71?	No
5 What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site?	1611
6 If applicable, what is the Secondary SIC Code(s)?	1623
7 What is the total number of acres that the construction project or site will disturb under the control of the primary operator?	9.79
8 What is the construction project or site type?	Other Highway or Road
9 Is the project part of a larger common plan of development or sale?	No
10 What is the estimated start date of the project?	12/01/2025
11 What is the estimated end date of the project?	01/01/2027
12 Will concrete truck washout be performed at the site?	Yes
13 What is the name of the first water body(s) to receive the stormwater runoff or potential runoff from the site?	Unnamed Tributary, Upper Blanco River
14 What is the segment number(s) of the classified water body(s) that the discharge will eventually reach?	1813

15 Is the discharge into a Municipal Separate Storm Sewer System (MS4)?	Yes
15.1 What is the name of the MS4 Operator?	Hays County
16 Is the discharge or potential discharge within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, as defined in 30 TAC Chapter 213?	Yes
16.1 I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or referenced in the Stormwater Pollution Prevention Plan will be implemented.	Yes
17 I certify that a stormwater pollution prevention plan (SWP3) has been developed, will be implemented prior to construction, and to the best of my knowledge and belief is compliant with any applicable local sediment and erosion control plans, as required in the general permit TXR150000. Note: For multiple operators who prepare a shared SWP3, the confirmation of an operator may be limited to its obligations under the SWP3 provided all obligations are confirmed by at least one operator.	Yes
18 I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000).	Yes
19 I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.	Yes

Certification

I certify that I am authorized under 30 Texas Administrative Code Subchapter 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

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 gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

1. I am Josh D Wise, the owner of the STEERS account ER111078.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Construction Notice of Intent.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OPERATOR Signature: Josh D Wise OPERATOR

Customer Number:

CN605973312

Legal Name:	Spaw-Glass, Inc.
Account Number:	ER111078
Signature IP Address:	76.255.11.156
Signature Date:	2025-12-11
Signature Hash:	B3BAFAFDD60A74815FB333416FC2745E718BFDBBB72303DFDB3DDFDA50A9D921
Form Hash Code at time of Signature:	46CA6814B98D25BEDF455DF338470E1ED224B00F7A00F791F9134FA5F3A7FA4F

Fee Payment

Transaction by:	The application fee payment transaction was made by ER111078/Josh D Wise
Paid by:	The application fee was paid by JOSHUA WISE
Fee Amount:	\$225.00
Paid Date:	The application fee was paid on 2025-12-11
Transaction/Voucher number:	The transaction number is 582EA000700242 and the voucher number is 798985

Submission

Reference Number:	The application reference number is 842365
Submitted by:	The application was submitted by ER095528/Kristopher D Doty
Submitted Timestamp:	The application was submitted on 2025-12-11 at 09:32:58 CST
Submitted From:	The application was submitted from IP address 136.50.219.158
Confirmation Number:	The confirmation number is 710960
Steers Version:	The STEERS version is 6.93

Additional Information

Application Creator: This account was created by Kristopher D Doty

Inspection Date: _____

General Information	
Name of Project:	TCEQ Permit No.:
Inspector Name:	Inspector Title:
Inspector's Contact Information:	
Inspection Location: (if multiple inspections are required)	
Inspection Frequency:	
Standard Frequency: <input type="checkbox"/> Weekly <input type="checkbox"/> Every 14 days and within 24 hours of a 0.50" rain Reduced Frequency: <input type="checkbox"/> Once per month (for stabilized areas)	
Weather at the time of this inspection: _____	
Was this inspection after a 0.50" storm event? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, rainfall amount (in inches):	
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	

Condition and Effectiveness of BMP Controls & Pollution Prevention					
Sl. No.	BMP Description & Location	Is BMP Installed & Operating Properly?	Corrective Action (CA) Required?	Date of BMP Maintenance	Notes
1.	Silt Fence/Fiber Rolls/Berm/Wattles Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
2.	Silt Dykes/Check Dam/Rock Dams Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
3.	Stabilized Construction Entrance /Exit Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
4.	Inlet Protection on all storm drain Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.	Sand Bag Barrier/Gravel Bag Barrier Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
6.	Vegetated Swales Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
7.	Compost Blankets/Geotextiles & Mats Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
8.	Vegetative Buffers Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

9.	Sediment Trap/ Sediment Basin Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
10.	Concrete Washout Pit Location:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
11.	Dust Control/Prevention	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

Pollution Prevention and Waste Management		
Items of Inspection	Response & Reason	Action(s) Needed
Is the site free of floatables, litter, and construction debris?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	
Are material storage and handling areas, including fueling areas, free of spills and leaks?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	
Are spill kits available where spills and leaks are likely to occur?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	
Are dumpsters and waste receptacles covered when not in use?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	
Has preventative maintenance been conducted on equipment and machinery?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	
Are material stockpiles sufficiently contained?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	
Has there been any sediment tracked-out from the site onto the surface of paved street, sidewalks or other paved areas outside of the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	
Is the project free from visible erosion and/or sedimentation?	<input type="checkbox"/> Yes <input type="checkbox"/> No If no, reason:	

Complete the following section if a discharge is occurring at the time of the inspection:

Description of Discharges	
Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No, If yes, provide the following information for each point of discharge:	
Specify Discharge Location	Observations (Visual Quality of the Discharge)
1.	Describe the discharge (color, odor, floating, settled/suspended solids, foam, & oil sheen): Are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No, If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:
2.	Describe the discharge (color, odor, floating, settled/suspended solids, foam, & oil sheen): Are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No, If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:



Contractor or Subcontractor Certification and Signature:

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

Signature: _____

Date: _____

Print Name: _____

Affiliation: _____



TCEQ Large Construction Site Notice

Primary Operator

Large construction sites disturb more than five acres or are part of a larger common plan of development that disturbs more than five acres. Primary operators of large construction sites will fill out this notice. Primary operators will then post this notice at the construction site in a location where it is safely and readily available for viewing by the general public and local, state, and federal authorities. Additional information about the TCEQ Construction Stormwater General Permit may be found on TCEQ's webpage on [Assistance Tools for Construction Stormwater General Permits](#).

Note: You must also develop a Stormwater Pollution Prevention Plan prior to the commencement of construction.

Site-Specific TPDES Authorization Number: TXR15 16WS

Primary Operator Name: Spaw-Glass, Inc.

Contact Name and Phone Number: Grady Carlson (210)651-9000

Project Description:

Physical

Location/Description Sentinel Peak Park at Old Boy Scout Ranch

5800 Farm to Market 32, Fischer, TX 78623

Hays County

Estimated Start Date December 2025

Projected End Date or Date Disturbed Soils Will Be Stabilized January 2027

Location of Stormwater Pollution Prevention Plan (SWP3): _____

Onsite or at offices of Spaw-Glass, Inc.

SWPPP Modification Log

Sl. No.	General Description of the Amendment	Date of Amendment	Amendment Prepared by
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Site Grading and Stabilization Log

Date Grading Initiated	Description of Grading Activity	Description of Stabilization Measure and Location	Date When Stabilization Initiated

Use the following table if construction at the site temporarily or permanently ceases:

Date Construction Stopped	Area/Location Where Construction Stopped (e.g. site-wide)	Temporary or Permanent?

Attachment I - Dewatering Inspection Report

Required Dewatering Information

	Date	Inspector Name and Title	Approx. Duration (begin & End)	Estimated Rate of Discharge (gallons per day)	Was a pollutant discharge observed? (foam, oil sheen, odor, or suspended sediments)?	If yes, provide the observation and the BMP used to prevent discharging the pollutant
1.			Start: End:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
2.			Start: End:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
3.			Start: End:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.			Start: End:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5.			Start: End:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
6.			Start: End:		<input type="checkbox"/> Yes <input type="checkbox"/> No	

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

I _____
Tucker Furlow
_____ ,
Print Name
Assistant District Attorney
_____ ,
Title - Owner/President/Other
of _____
Hays County
_____ ,
Corporation/Partnership/Entity Name
have authorized _____
Jessica Powers and Michael Mullone
_____ ,
Print Name of Agent/Engineer
of _____
Dunaway
_____ ,
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:

[Handwritten Signature]
Applicant's Signature

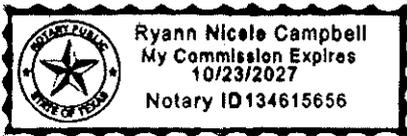
1-8-26
Date

THE STATE OF Texas §

County of Hays §

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

GIVEN under my hand and seal of office on this 8th day of January.



Ryann Campbell
NOTARY PUBLIC

Ryann Campbell
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 4/23/2027

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Sentinel Peak Park

Regulated Entity Location: N/A

Name of Customer: Hays County

Contact Person: Tucker Furlow

Phone: 512-393-2290

Customer Reference Number (if issued): CN 601098205

Regulated Entity Reference Number (if issued): RN N/A

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

ePAY

Mail Code 214

12100 Park 35 Circle

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

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

Signature: Jessica Powers

Digitally signed by Jessica Powers
DN: C=US, E=jpowers@dunaway.com,
CN=Jessica Powers
Date: 2025.12.04 10:53:44-06'00'

Date: 1/7/2026

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

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

Extension of Time Requests

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



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 601098205		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
Hays County			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits) 17460022415	9. Federal Tax ID (9 digits) 746002241	10. DUNS Number (if applicable) RH4DFY1GC2R
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input checked="" type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	712 S. Stagecoach Trail		
	ATTN: Parks		
	City	San Marcos	State TX ZIP 78666 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		auditor@hayscountytexas.gov jay.taylor@hayscountytexas.gov	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(512) 393-2283		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>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).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Sentinel Peak Park								
23. Street Address of the Regulated Entity: (No PO Boxes)	454 Sentinel Peak							
	City	Fischer	State	TX	ZIP	78623	ZIP + 4	
24. County	Hays							

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

25. Description to Physical Location:											
26. Nearest City							State	Nearest ZIP Code			
<i>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).</i>											
27. Latitude (N) In Decimal:						28. Longitude (W) In Decimal:					
Degrees	Minutes		Seconds			Degrees	Minutes		Seconds		
29. Primary SIC Code	30. Secondary SIC Code		31. Primary NAICS Code			32. Secondary NAICS Code					
(4 digits)	(4 digits)		(5 or 6 digits)			(5 or 6 digits)					
7999			712190								
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)											
nature park w/hiking/walking trails											
34. Mailing Address:	712 S. Stagecoach Trail										
	ATTN:Parks										
	City	San Marcos	State	TX	ZIP	78666	ZIP + 4				
35. E-Mail Address:	auditor@hayscountytexas.gov ; jay.taylor@hayscountytexas.gov										
36. Telephone Number	37. Extension or Code				38. Fax Number (if applicable)						
(512) 393-2283					() -						

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

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

SECTION IV: Preparer Information

40. Name:	Michael Mullone, PE, CESSWI, CFM, CPESC	41. Title:	Senior Project Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 399-5373		() -	

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:	Dunaway	Job Title:	Senior Project Engineer
Name (In Print):	Michael Mullone, PE, CESSWI, CFM, CPESC	Phone:	(512) 399- 5373
Signature:		Date:	01/07/2026