

Leander I.S.D.

Mechanic Shop

at 301 S West Drive Leander, Texas 78641

Contributing Zone Plan Application

Submitted to: TCEQ Austin Regional Office AUGUST 2024

Prepared by

HALFF

AVO 53112.004 August 2024

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SECTION I

TCEQ EDWARDS AQUIFER APPLICATION COVER PAGE (TCEQ-20705)

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 <u>30 TAC 213</u>.

Administrative Review

1. <u>Edwards Aquifer applications</u> 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: <u>http://www.tceq.texas.gov/field/eapp</u>.

- 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: Leander ISD Mechanic Shop				2. Regulated Entity No.: N/A				
3. Customer Name: Leander ISD			4. Customer No.: 600781074					
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-r	Non-residential		8. Site (acres): 11.032		11.032	
9. Application Fee:	\$6,500	10. P	10. Permanent BMP(s):		s):	None		
11. SCS (Linear Ft.):	N/A	12. A	12. AST/UST (No. Tanks):		nks):	N/A		
13. County:	Williamson	14. Watershed:		Brushy Creek				

Application Distribution

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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)			_
Groundwater Conservation District(s)	Edwards Aquifer Authority Barton Springs/ Edwards Aquifer Hays Trinity Plum Creek	Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	Austin Buda Dripping Springs Kyle Mountain City San Marcos Wimberley Woodcreek	Austin Bee Cave Pflugerville Rollingwood Round Rock Sunset Valley West Lake Hills	Austin Cedar Park Florence Georgetown Jerrell Leander Liberty Hill Pflugerville Round Rock

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

I certify that to the best of my knowledge, that the application is complete and accurate. This
application is hereby submitted to TCEQ for administrative review and technical review.
Jaime Urquidi, P.E.
Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent
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Date

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d 08/22/2024

FOR TCEQ INTERNAL USE ONL	X		
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	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):		Check:	Signed (Y/N):
Core Data Form Incomplete Nos.:		Less than 90 days old (Y/N	

SECTION II

CONTRIBUTING ZONE PLAN APPLICATION (TCEQ-10257)

Contributing Zone Plan Application

Texas Commission on Environmental Quality

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

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This Contributing Zone Plan Application is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent: Jaime Urquidi, P.E.

Date: 8/22/2024

Signature of Customer/Agent:

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Regulated Entity Name: Leander ISD Mechanic Shop

Project Information

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

Contact Person: Jeremy Trimble Entity: Leander ISD Mailing Address: PO Box 218 City, State: Leander, TX Telephone: (512) 570-0000 Email Address: jeremy.trimble@leanderisd.org

Zip: 78646-0218 Fax: (512) 570-0407

5. Agent/Representative (If any):

Contact Person: Jaime UrquidiEntity: HalffMailing Address: 13620 Briarwick Drive, Suite 100City, State: Austin, TXZip: 78729Telephone: (512) 777-4559Fax: NAEmail Address: jurquidi@halff.com

- 6. Project Location:
 - \boxtimes The project site is located inside the city limits of Leander.
 - The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
 - The project site is not located within any city's limits or ETJ.
- 7. The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.
 - <u>Get on I-35 S from S I-35 Frontage Rd (about 1.0 miles). Take US-183 Hwy N to Research</u> <u>Blvd in Williamson County. Take the exit towards US-183/Lakeline Mall Dr from US-183 Hwy N (about 15 miles). Merge onto N Hwy 183/Research Blvd (about 1.1 miles). Use the 2nd from the left lane to turn onto US-183 N, then use the right 2 lanes to turn right onto US-183 N/S Bell Blvd. Turn left onto Atkin St (about 7.0 miles), then take the first available right onto S Brushy St. Turn left onto S West Dr (about 375 ft) and the site will be on the left in about 0.1 miles.</u>
- 8. Attachment A Road Map. A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.
- 9. Attachment B USGS Quadrangle Map. A copy of the official 7 $\frac{1}{2}$ minute USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) clearly show:



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

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

🔀 Area(s) to be demolished

11. Existing project site conditions are noted below:



- 12. The type of project is:
 - Residential: # of Lots: _____ Residential: # of Living Unit Equivalents: Commercial Industrial
 - Other: Public Services
- 13. Total project area (size of site): 2.93 Acres

Total disturbed area: 2.93 Acres

- 14. Estimated projected population: 0
- 15. The amount and type of impervious cover expected after construction is complete is shown below:

Table 1 - Impervious Cover

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	9,846	÷ 43,560 =	0.23
Parking	2,438	÷ 43,560 =	0.06
Other paved surfaces	86,487	÷ 43,560 =	1.99
Total Impervious Cover	98,771	÷ 43,560 =	2.27

Total Impervious Cover 2.27 ÷ Total Acreage 2.93 X 100 = 77.3% Impervious Cover

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

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

For Road Projects Only

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

N/A
18. Type of project:
 TXDOT road project. County road or roads built to county specifications. City thoroughfare or roads to be dedicated to a municipality. Street or road providing access to private driveways.
19. Type of pavement or road surface to be used:
 Concrete Asphaltic concrete pavement Other:
20. Right of Way (R.O.W.):
Length of R.O.W.: feet. Width of R.O.W.: feet. L x W =Ft ² ÷ 43,560 Ft ² /Acre = acres.
21. Pavement Area:
Length of pavement area: feet. Width of pavement area: feet. L x W =Ft ² ÷ 43,560 Ft ² /Acre = acres. Pavement area acres ÷ R.O.W. area acres x 100 =% impervious cover
22. 🗌 A rest stop will be included in this project.
A rest stop will not be included in this project.
23. Maintenance and repair of existing roadways that do not require approval from the

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

25. Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.

□ N/A

26. Wastewater will be disposed of by:

On-Site Sewage Facility (OSSF/Septic Tank):

Attachment F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.

Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.

Sewage Collection System (Sewer Lines):

The sewage collection system will convey the wastewater to the <u>Leander 2243 Wastewater</u> (name) Treatment Plant. The treatment facility is:

Existing.

___ N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

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

N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1			
2			
3			

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
4			
5			

Total x 1.5 = ____ Gallons

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

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

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

Table 3 - Secondary Containment

Length (L)(Ft.)	Width(W)(Ft.)	Height (H)(Ft.)	L x W x H = (Ft3)	Gallons

Total: _____ Gallons

30. Piping:

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

The piping will be aboveground

The piping will be underground

- 31. The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of:
- 32. Attachment H AST Containment Structure Drawings. A scaled drawing of the containment structure is attached that shows the following:

Interior dimensions (length, width, depth and wall and floor thickness).

Internal drainage to a point convenient for the collection of any spillage.

Tanks clearly labeled

] Piping clearly labeled

Dispenser clearly labeled

33. Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.



In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.

In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

Site Plan Requirements

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

34. The Site Plan must have a minimum scale of 1'' = 400'.

Site Plan Scale: 1" = 40'.

- 35. 100-year floodplain boundaries:
 - Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
 - \times No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): _____.

- 36. \boxtimes The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
 - The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
- 37. \times A drainage plan showing all paths of drainage from the site to surface streams.
- 38. 🖂 The drainage patterns and approximate slopes anticipated after major grading activities.
- 39. \square Areas of soil disturbance and areas which will not be disturbed.
- 40. 🖂 Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 41. 🛛 Locations where soil stabilization practices are expected to occur.
- 42. Surface waters (including wetlands).
 - \bowtie N/A

- 43. Locations where stormwater discharges to surface water.
 - There will be no discharges to surface water.
- 44. Temporary aboveground storage tank facilities.

Temporary aboveground storage tank facilities will not be located on this site.

- 45. Permanent aboveground storage tank facilities.
 - Permanent aboveground storage tank facilities will not be located on this site.
- 46. \boxtimes Legal boundaries of the site are shown.

Permanent Best Management Practices (BMPs)

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

47. Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.

🛛 N/A

48. These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.

The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: _____.

N/A

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

🖂 N/A

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

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

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

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

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

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

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

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

52. X Attachment J - BMPs for Upgradient Stormwater.

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

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

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

53. X Attachment K - BMPs for On-site Stormwater.

 A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.

Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.

54. Attachment L - BMPs for Surface Streams. A description of the BMPs and measures that prevent pollutants from entering surface streams is attached.

🛛 N/A

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

59. The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be

Measures after Construction is Complete.

responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.

60. A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

Administrative Information

- 61. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions.
- 62. Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.
- 63. The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.
 - The Temporary Stormwater Section (TCEQ-0602) is included with the application.

<u>Attachment A – Road Map</u>



N.T.S

Mechanic Shop 301 S West Dr. Leander, Texas 78641 AVO #53112.004

Directions from TCEQ Austin Regional Office

- Get on I-35 S from S I-35 Frontage Rd. (1.0 Miles) Take US-183 Hwy N to Research Blvd in Williamson County. Take the exit towards US-183/Lakeline Mall Dr. from US-183 Hwy N. (15.0 Miles)
- Take S Bell Blvd and N US Hwy 183 (7.0 Miles)
- Turn left onto Atkin St (350 feet)
- Turn right onto S Brushy St (350 feet)
- Turn left onto W South St (0.1 Miles)
- Turn left onto S West Drive (350 feet)
- Turn right onto access drive, site is straight ahead (350 feet)

Edwards Aquifer Viewer Custom Print



Attachment C – Project Narrative

The 2.93-acre site is located at 301 S West Drive in Leander, Texas. The project will consist of constructing one 8,000 square-foot maintenance building, associated parking and paving, drainage, and utilities, and lastly, demolishing the existing 5,000 square-foot maintenance building. The table below includes the site's impervious cover areas.

Leander ISD Maintenance Impervious Cover				
Structures/Rooftops 0.23 Acres				
Parking	0.06 Acres			
Other paved surfaces	1.99 Acres			
Total	2.27 Acres			

The existing site is partially developed with one existing maintenance building, a wooden shed, asphalt paving, a rock gabion, and some grass. The site's northern portion, amounting to approximately 1.09 acres, drains to the north to a curb inlet along W South St. with average grade of 2%. Additionally, the southern portion of 1.77 acres drains to the southeast with an average grade of approximately 1.8%, and 0.07 acres in the site's southeast portion drain to a curb inlet just off the property. No runoff drains onto the site from adjacent properties. The project is in the city limits of Leander and is located within the Edwards Aquifer Contributing Zone. Development of this project is designed in accordance with the City of Leander Unified Development Code (UDC) and the TCEQ RG-348 Technical Guidance Manual.

Temporary water quality controls will be provided during construction of the site improvements and will consist of silt fence, tree protection, inlet protection, a concrete truck washout pit, a stabilized construction entrance, and dust control.

Permanent water quality controls will not be provided for this site. The proposed improvements will reduce the site's impervious cover from 2.31 acres to 2.27 acres. Thus, there will be no increase in total suspended solids.

Wastewater from the proposed maintenance building will be routed to an existing 6-inch wastewater line located on the site that currently serves the existing maintenance building. A 4-foot doghouse manhole will be constructed to allow for the wastewater serving the existing maintenance building to remain in service during the construction of the proposed maintenance building. Approximately 98 feet of 6-inch PVC pipe will be constructed from the proposed maintenance building to the manhole. Wastewater from the site will be collected at the Leander 2243 Wastewater Treatment Plant by way of mostly gravity lines as well as one force main according to the Leander Wastewater System Map last updated in January 2023.

Water for the site will be provided by an existing 8-inch water line located on W South Street as well as an existing 2-inch water line located in the 50' ROW just east of the site. The fire line, which will tee off the 8-inch on W South Street, will comprise of 374 linear feet of 8-inch PVC and 38 linear feet of 4-inch PVC. A proposed fire hydrant lead consisting of 16 linear feet of 6" ductile iron pipe will tee off the 8" portion of the fire line. Domestic water will be provided via the existing 2" domestic valve on-site and consist of approximately 195 linear feet of 2-inch PVC.

The partially developed site will be cleared and grubbed for construction. The items being demolished include the existing woodshed and bollards, a propane tank and bollards, chain link fence along the boundary adjacent to W South Street, and an existing gate. The existing maintenance building and its existing water and wastewater lines are to be demolished after the construction of the new maintenance building is complete. See sheet C003 of the Construction Plans for the Existing Conditions & Demolition Plan.

Attachment D - Factors Affecting Surface Water Quality

Potential sources of pollution that may be expected to affect the quality of stormwater discharges from the site during construction include primarily suspended solids with examples as follows:

- Soil erosion due to clearing of site.
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings.
- Hydrocarbons from asphalt paving.
- Trash and litter from construction workers and material wrappings.
- Tar, fertilizers, cleaning solvents, detergents, and petroleum-based products.

Potential sources of pollution that may be expected to affect the quality of stormwater discharges from the site after development include:

- Oil, grease, fuel and hydraulic fluid contamination from vehicle drippings.
- Dirt and dust from vehicles.
- Trash and litter.

Attachment E - Volume and Character of Stormwater

The volume and character of stormwater at the project site for both existing and post development conditions are as follows:

The existing drainage conditions consist of three drainage areas, two of which featuring more asphalt pavement than pervious area. No adjacent properties drain onto the existing site. One drainage area, EX-1, includes some off-site area; however, the off-site runoff drains directly to the study point, a 10' curb inlet along W South Street, without entering the site. The existing impervious cover on-site is a combination of the existing maintenance building and asphalt pavement and amounts to 2.31 acres. Three study points (SP) were selected to ensure drainage in the leaving the site in the proposed condition do not exceed existing flow rates.

The table below provides calculations related to each drainage area. Time of concentrations (Tc) were derived using the TR-55 method and the values were adjusted to not be less than 5 minutes. Composite runoff curve numbers (CN) were computed using the area weighted formula. The SCS 24-hour storm was utilized using precipitation values from NOAA Atlas 14. The SCS Storm was of Type III distribution with a time interval of two minutes.

DA - ID	AREA	CN	Тс	Q-2	Q-10	Q-25	Q-100
	ACRES	-	MIN	CFS	CFS	CFS	CFS
EX-1	1.19	92	5.0	6.1	9.7	12.1	16.2
SP-1	-	-	-	6.1	9.7	12.1	16.2
EX-2	1.77	95	5.0	9.5	14.7	18.2	24.3
SP-2	-	-	-	9.5	14.7	18.2	24.3
EX-3	0.07	84	5.0	0.3	0.5	0.6	0.9
SP-3	-	-	-	0.3	0.5	0.6	0.9

The 2.93-acre site will be developed with a new maintenance building and associated parking, concrete paving, and utilities, amounting to 2.27 acres of proposed on-site impervious cover. The proposed drainage conditions, like in existing, consist of three drainage areas each with their own study point. Stormwater that falls on the site will sheet flow to each study point. Because the reduction in on-site impervious cover also results in a reduction in total suspended solids, permanent water quality BMPs will not be installed with the other proposed improvements. The table on the following page provides calculations related to each drainage area. Time of Concentrations (Tc) were derived using the TR-55 method and the values were adjusted to a minimum value of 5 minutes. Composite Runoff Numbers (CN) were computed using the area weighted formula. The SCS 24-hour storm was utilized using precipitation values from NOAA Atlas 14. The SCS Storm was of Type III distribution with a time interval of two minutes.

DA - ID	AREA	CN	Тс	Q-2	Q-10	Q-25	Q-100
	ACRES	-	MIN	CFS	CFS	CFS	CFS
PR-1	1.37	91	5.0	6.7	10.9	13.7	18.4
SP-1	-	-	-	6.7	10.9	13.7	18.4
PR-2	1.60	96	5.0	8.7	13.4	16.5	22.0
SP-2	-	-	-	8.7	13.4	16.5	22.0
PR-3	0.06	83	5.0	0.3	0.5	0.6	0.8
SP-3	-	-	-	0.3	0.5	0.6	0.8

Attachment F - Suitability Letter from Authorized Agent (if OSSF is proposed)

No onsite sewage facility is proposed; therefore, this attachment has been omitted. Section not applicable to this project.

<u>Attachment G - Alternative Secondary Containment Methods (if AST with an alternative method of secondary containment is proposed)</u>

No Alternative Secondary Containment Methods are proposed; therefore, this attachment has been omitted.

Attachment H - AST Containment Structure Drawings (if AST is proposed) Attachment I - 20% or Less Impervious Cover Declaration (if project is multi-family residential, a school, or a small business and 20% or less impervious cover is proposed for the site)

No Alternative Secondary Containment Methods are proposed; therefore, this attachment has been omitted.

Attachment J - BMPs for Upgradient Stormwater

As shown via the existing topography on the Existing Drainage Area Map within the Construction Documents, stormwater does not originate upgradient of the project site. Therefore, no BMPs for upgradient stormwater are being installed with the proposed improvements.

Attachment K - BMPs for On-site Stormwater

The subject site is Leander I.S.D. Maintenance Building in Leander, Texas. The proposed 2.93-acre site will be developed a new maintenance building to replace the existing one, associated parking, paving, and utilities. With the decrease in total impervious cover from 2.31 acres to 2.27 acres resulting in a decrease in Total Suspended Solids (TSS), no BMPs are proposed for on-site stormwater.

Attachment L - BMPs for Surface Streams

Stormwater that exits the site is routed to three separate detention ponds prior to being discharged into local surface streams such as Brushy Creek and Mason Creek. Two of the drainage areas have runoff that drain to curb inlets before reaching detention ponds, while the third drainage area's runoff exits the site to the east before draining to a detention pond southeast of the site.

With a decrease in site impervious cover leading to a reduction in total suspended solids as well as the presence of detention ponds to which all runoff from the site eventually drains, no BMPs for surface streams are proposed with this project's improvements.

Attachment M - Construction Plans

Full-sized copies of the construction plans are submitted separately.

PROPERTY OWNER

LEANDER INDEPENDENT SCHOOL DISTRICT P.O. BOX 218 LEANDER, TEXAS 78646-0218 TEL: (512) 570-0000 FAX: (512) 570-0407

ENGINEER

HALFF ASSOCIATES, INC. 13620 BRIARWICK DR., SUITE 100 AUSTIN, TEXAS 78729 CONTACT: JAIME H. URQUIDI EMAIL: JURQUIDI@HALFF.COM TEL: (512) 777-4600 FIRM/ BUSINESS NO .: #F-312 STATE: TX

SURVEYOR

GBA 9601 AMBERGLEN BLVD. AUSTIN, TEXAS 78729 CONTACT: JASON PARKER EMAIL: JPARKER@GBATEAM.COM TEL: (737) 247-7500

FUTURE LAND USE CATEGORY

URBAN MIXED USE.

FLOOD PLAIN NOTE:

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP (FIRM) 48491C0455 PANEL F, DATED DECEMBER 20, 2019, NO PORTION OF THE SITE IS WITHIN THE 100-YEAR FEMA FLOODPLAIN.

IMPERVIOUS COVER			
	SQ. FT.	ACRES	
BUILDING FOOTPRINT	98/15 7/	0.23	
(including storage area)	J04J.74	0.25	
PAVEMENT	88925.08	2.04	
TOTAL	98770.82	2.27	

SURVEYED DATE:

JUNE 13, 2024

BENCHMARK(S):

ARCHITECT

PBK ARCHITECTS, INC.

CONTACT: JOSEPH ALVAREZ

1120 S CAPITAL OF TEXAS HWY

EMAIL: @MEPENGINEERING.COM

LANDSCAPE ARCHITECT

AUSTIN, TX 78730

TEL: (512) 340-0676

MEP ENGINEERING

BUILDING 1, SUITE 150

AUSTIN, TEXAS 78746

TEL: (512) 306-9650

STUDIO 16:19

SUITE 100

305 W LIBERTY

TEL: (512) 534-8680

ROUND ROCK, TEXAS 78664

MEP

6300 BRIDGE POINT PKWY, SUITE 2-115

EMAIL: JOSEPH.ALVAREZ@PBK.COM

BM #61 - CUT "X" N: 10182695.59 E: 3076376.39 ELEVATION: 991.35 BM #62 - CUT "X" N: 10183794.66 E: 3076235.94 ELEVATION: 981.94

LEGAL DESCRIPTION:

A PORTION OF ABSTRACT AW0006 - HARMON, E.D. SUR., ACRES 6

PROPERTY LOCATION:

LEANDER ISD MAINTENANCE FACILITY 301 S. WEST DRIVE LEANDER, TEXAS 78641

ZONING:

SD-SPECIAL DISTRICT

LAND USE SUMMARY:

PROPOSED USE: MAINTENANCE FACILITY FOR LEANDER INDEPENDENT SCHOOL DISTRICT ACREAGE : 2.93 OF 11.03 ACRES

TYPE OF CONSTRUCTION:

NEW TYPE II-B CONSTRUCTION (8190 SF) AND SITE IMPROVEMENTS

	•	
REVISION #	DESCRIPTION	APPROVAL

DISCLAIMER:

JAIME H. URQUIDI (106361), ON 8/5/2024.

OFFICES OF:

HALFF ASSOCIATES, INC AUSTIN, TEXAS 78729

LEANDER ISD MECHANIC SHOP

SITE DEVELOPMENT SD-24-0234



SCALE 1" = 2000'



THE SEAL(S) APPEARING ON THIS CONSTRUCTION SET WERE AUTHORIZED BY:

ALTERATION OF SEALED DOCUMENTS WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE

13620 BRIARWICK DR., SUITE 100 FIRM / BUSINESS NO .: #F-312 STATE: TX SUBMITTED FOR APPROVAL BY:

Jaime Urquidi

ENGINEER OF RECORD

I, JAIME H. URQUIDI, PE, DO HEREBY CONFIRM THAT ANY NEW PUBLIC WORKS AND DRAINAGE IMPROVEMENTS DESCRIBED HEREIN, HAVE BEEN DESIGNED IN COMPLIANCE WITH THE STORMWATER DRAINAGE POLICY ADOPTED BY THE CITY OF LEANDER.

THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY, REGULATORY COMPLIANCE, AND ADEQUACY OF THESE PLANS AND/OR SPECIFICATIONS WHETHER OR NOT THE PLANS AND/OR SPECIFICATIONS WERE REVIEWED BY THE CITY ENGINEER(S).

APPROVED BY:

DATE Robin M. Griffin, AICP, Executive Director of Development Services DATE Emily Truman, P.E., CFM, City Engineer DATE Mark Tummons, CPRP, Director of Parks and Recreation DATE Chief Joshua Davis, Fire Marshal



AVO: 53112.004 DATE: August 2024

Sheet List Table				
Sheet Number	Sheet Title			
C001	COVER			
C002	GENERAL NOTES			
C003	EXISTING CONDITIONS & DEMOLITION PLAN			
C004	EROSION & SEDIMENTATION CONTROL PLAN			
C005	SITE PLAN			
C006	GRADING PLAN			
C007	EXISTING DRAINAGE AREA MAP			
C008	PROPOSED DRAINAGE AREA MAP			
C009	WATER & WASTEWATER PLAN			
C010	SITE DETAILS			
C011	EROSION CONTROL DETAILS			
C012	WATER DETAILS			
C013	WASTEWATER DETAILS			



THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL Call before you dig. VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

LEANDER INDEPENDENT SCHOOL DISTRICT GENERAL CONSTRUCTION NOTES:

- 1. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 2. ALL CONSTRUCTION SHALL COMPLY WITH GOVERNING ORDINANCES, CODES AND LAWS.
- THE CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AS THEY APPLY TO THE SITE WORK.
- 4. ALL GRADES ARE SHOWN TO FINISHED GRADE. TO DETERMINE SUBGRADE, SUBTRACT APPROPRIATE AMOUNT OF TOPSOIL, BASE, PAVEMENT, ETC. (SEE DETAILS AND SPECIFICATIONS)
- 5. ALL TESTING OF UTILITIES SHALL BE CONDUCTED IN THE SAME MANNER AS PUBLIC IMPROVEMENTS REQUIREMENTS AND RESULTS SUBMITTED TO ENGINEER AND OWNER. NO UTILITY SHALL BE USED UNTIL SUCH TESTS ARE PASSED. THESE TESTS INCLUDE, BUT ARE NOT LIMITED TO, WASTEWATER LINE MANDREL TESTING, WASTEWATER AIR TESTING, MANHOLE VACUUM TESTING, WATER LINE PRESSURE TESTING, FIRE HYDRANT TESTING, ANTI-BACTERIAL TESTING, TRENCH DENSITY TESTING.
- 6. ALL DENSITY TESTING OF COMPACTED SOILS SHALL BE CONDUCTED AS PER THE CITY OF AUSTIN STANDARD SPECIFICATIONS AND AS RECOMMENDED BY GEOTECHNICAL ENGINEER. TESTING RESULTS SHALL BE SUBMITTED TO ENGINEER AND OWNER.
- 7. ALL CONCRETE COMPRESSION, TENSILE, AND SLUMP TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS AND AS RECOMMENDED BY GEOTECHNICAL ENGINEER. TESTING RESULTS SHALL BE SUBMITTED TO ENGINEER AND OWNER.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEDIMENTATION & EROSION CONTROL DEVICES WHEN AUTHORIZED BY THE ENGINEER. SOME OF THESE DEVICES MAY NEED TO REMAIN IN PLACE AFTER THE CONTRACTOR HAS LEFT THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE DEVICES AT NO ADDITIONAL COST WHEN AUTHORIZED BY THE ENGINEER.
- 9. AN AUTOCAD FILE WILL BE PROVIDED BY HALFF ASSOCIATES TO THE CONTRACTOR FOR LAYOUT PURPOSES.

CITY OF LEANDER GENERAL NOTES (REVISED MARCH 27, 2023)

CITY CONTACTS:

ENGINEERING MAIN LINE: 512-528-2721 PLANNING DEPARTMENT: 512-528-2750 PUBLIC WORKS MAIN LINE: 512-259-2640 STORMWATER INSPECTIONS: 512-285-0055 UTILITIES MAIN LINE: 512-259-1142 UTILITIES ON-CALL: 512-690-4760

GENERAL

- 1. CONTRACTORS SHALL HAVE AN APPROVED SET OF PLANS WITH APPROVED REVISIONS ON SITE AT ALL
- TIMES. FAILURE TO HAVE APPROVED PLANS ON SITE MAY RESULT IN ISSUANCE OF WORK STOPPAGE. 2. CONTACT 811 SYSTEM FOR EXISTING WATER AND WASTEWATER LOCATIONS 48 HOURS PRIOR TO CONSTRUCTION.
- a. **REFRESH ALL LOCATES** <u>BEFORE</u> 14 DAYS LOCATE REFRESH REQUESTS <u>MUST INCLUDE A COPY OF YOUR</u> 811 TICKET. TEXAS PIPELINE DAMAGE PREVENTION LAWS REQUIRE THAT A LOCATE REFRESH REQUEST BE SUBMITTED BEFORE 14 DAYS, OR IF LOCATION MARKERS ARE NO LONGER VISIBLE. b. REPORT PIPELINE DAMAGE IMMEDIATELY - IF YOU WITNESS OR EXPERIENCE PIPELINE EXCAVATION
- DAMAGE, PLEASE CONTACT THE CITY OF LEANDER BY PHONE AT 512-259-2640.
- 3. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR 48 HOURS BEFORE:
- a. BEGINNING EACH PHASE OF CONSTRUCTION. CONTACT ASSIGNED CITY INSPECTOR b. ANY TESTING. CONTRACTOR SHALL PROVIDE QUALITY TESTING FOR ALL INFRASTRUCTURES TO BE
- ACCEPTED AND MAINTAINED BY THE CITY OF LEANDER AFTER COMPLETION. c. PROOF ROLLING SUB-GRADE AND EVERY LIFT OF ROADWAY EMBANKMENT, IN-PLACE DENSITY TESTING OF EVERY BASE COURSE, AND ASPHALT CORES. ALL OF THIS TESTING MUST BE WITNESSED BY A CITY OF LEANDER REPRESENTATIVE.
- d. CONNECTING TO THE EXISTING WATER LINES.
- e. THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET ROW. THE METHOD OF PLACEMENT AND COMPACTION OF BACKFILL IN THE CITY'S ROW MUST BE APPROVED PRIOR TO THE START OF BACKFILL OPERATIONS.
- 4. ALL RESPONSIBILITY FOR THE ACCURACY OF THESE PLANS REMAINS WITH THE ENGINEER OF RECORD WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY MUST RELY ON THE ADEQUACY OF THE WORK OF THE ENGINEER OF RECORD
- 5. EXCESS SOIL SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. NOTIFY THE CITY OF LEANDER IF THE DISPOSAL SITE IS INSIDE THE CITY'S JURISDICTIONAL BOUNDARIES.
- 6. BURNING IS PROHIBITED
- 7. NO WORK IS TO BE PERFORMED BETWEEN THE HOURS OF 9:00 P.M. AND 7:00 A.M. OR WEEKENDS. THE CITY INSPECTOR RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT INSPECTION.
- 8. CONTACT THE CITY INSPECTOR 4 DAYS PRIOR TO WORK FOR APPROVAL TO SCHEDULE ANY INSPECTIONS ON WEEKENDS OR CITY HOLIDAYS.
- 9. NO BLASTING IS ALLOWED.
- 10. ANY CHANGES OR REVISIONS TO THESE PLANS MUST FIRST BE SUBMITTED TO THE CITY BY THE DESIGN ENGINEER FOR REVIEW AND WRITTEN APPROVAL PRIOR TO CONSTRUCTION OF THE REVISION. ALL CHANGES AND REVISIONS SHALL USE REVISION CLOUDS TO HIGHLIGHT ALL REVISIONS AND CHANGES WITH EACH SUBMITTAL. REVISION TRIANGLE MARKERS AND NUMBERS SHALL BE USED TO MARK REVISIONS. ALL CLOUDS AND TRIANGLE MARKERS FROM PREVIOUS REVISIONS MUST BE REMOVED. REVISION INFORMATION SHALL BE UPDATED ON COVER SHEET AND AFFECTED PLAN SHEET TITLE BLOCK.
- 11. THE CONTRACTOR AND ENGINEER SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS. THE ENGINEER SHALL FURNISH THE CITY OF LEANDER ACCURATE "RECORD DRAWINGS" FOLLOWING THE COMPLETION OF ALL CONSTRUCTION. THESE "RECORD DRAWINGS" SHALL MEET THE SATISFACTION OF THE ENGINEERING DEPARTMENTS PRIOR TO FINAL ACCEPTANCE.
- 12. THE CONTRACTOR WILL REIMBURSE THE CITY FOR ALL REPAIR AND/OR COST INCURRED AS A RESULT OF ANY DAMAGE TO ANY PUBLIC INFRASTRUCTURE WITHIN CITY EASEMENT OR PUBLIC RIGHT-OF-WAY, REGARDLESS OF THESE PLANS.
- 13. WHEN CONSTRUCTION IS BEING CARRIED OUT WITHIN EASEMENTS, THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. PRIOR TO ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TRASH AND DEBRIS WITHIN THE PERMANENT EASEMENTS. CLEANUP SHALL BE TO THE SATISFACTION OF THE ENGINEER OF RECORD AND CITY.
- 14. CONTRACTOR TO LOCATE, PROTECT AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS. RE-ESTABLISH DISTURBED OR DESTROYED ITEMS BY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, AT NO ADDITIONAL COST TO THE PROPERTY OWNER.
- 15. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 1033 LA POSADA DR. SUITE 375, AUSTIN, TEXAS 78752-3832.
- 16. ALL MANHOLE FRAMES/COVERS AND WATER VALVE/METER BOXES MUST BE ADJUSTED TO FINISHED GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR FOR CITY CONSTRUCTION INSPECTOR INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING. CONTRACTOR SHALL BACKFILL AROUND MANHOLES AND VALVE BOXES WITH CLASS A CONCRETE.
- 17. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT, WHERE NOT SPECIFICALLY COVERED IN THE PROJECT SPECIFICATIONS, SHALL CONFORM TO ALL CITY OF LEANDER DETAILS AND CITY OF AUSTIN STANDARD SPECIFICATIONS.
- 18. PROJECT SPECIFICATIONS TAKE PRECEDENCE OVER PLANS AND SPECIAL CONDITIONS GOVERN OVER TECHNICAL SPECIFICATIONS.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
- 20. THE CONTRACTOR MUST OBTAIN A CONSTRUCTION WATER METER FOR ALL WATER USED DURING CONSTRUCTION. A COPY OF THIS PERMIT MUST BE CARRIED AT ALL TIMES BY ALL WHO USE WATER.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS. CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER. ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. THE CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM THE SITE. THE CONTRACTOR SHALL KEEP THE SITE AREA CLEAN AND MAINTAINED AT ALL TIMES TO THE SATISFACTION OF THE CITY. THE SUBDIVISION (OR SITE) WILL NOT BE ACCEPTED (OR CERTIFICATE OF OCCUPANCY ISSUED) UNTIL THE SITE HAS BEEN CLEANED TO THE SATISFACTION OF THE CITY.

22. TREES IN EXISTING ROW SHOULD BE PROTECTED OR NOTED IN THE PLANS TO BE REMOVED.

CONSTRUCTION SEQUENCE NOTES

- PUBLIC WATER SYSTEMS MUST BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL (NSF-PW). 1. REACH OUT TO THE CITY FOR PRE-CONSTRUCTION MEETING AND CONSTRUCTION PERMIT. 9. ALL FIRE HYDRANT LEADS SHALL BE DUCTILE IRON PIPE (AWWA C115/C151 PRESSURE CLASS 350). 2. INSTALL SEDIMENTATION & EROSION CONTROL PROTECTION DEVICES AND TREE PROTECTION AS SHOWN ON 10. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH MINIMUM 8-MIL POLYETHYLENE PLANS. THIS INCLUDES ROUTINE MAINTENANCE OF CONTROLS PER GOVERNING REGULATIONS AND THE
- STORM WATER POLLUTION PREVENTION PLAN. REACH OUT TO THE CITY FOR INSPECTION.
- 3. TEST ALL UTILITY LINES IN ACCORDANCE WITH THE ADOPTED SPECIFICATIONS, AND COORDINATE WITH CITY OR THIRD PARTY ON INSPECTION.
- 4. COORDINATE CONSTRUCTION WITH OTHER CONTRACTORS ONSITE TO PREVENT ACCIDENTS, RESOLVE CONFLICTS WITH OTHER UTILITIES, AND FACILITATE THE SMOOTH PROGRESS OF THE PROJECT. COORDINATE WITH ARCHITECT AND ENGINEER AS NEEDED FOR ROUTINE PROGRESS MEETINGS ON SITE AND COMMUNICATE REQUESTS FOR INFORMATION (RFI'S) AS NEEDED TO RESOLVE QUESTIONS, PROBLEMS, OR POTENTIAL PROBLEMS AS THEY MAY ARISE.
- 5. FURNISH AND INSTALL PROPOSED UTILITIES PER PLANS AND SPECIFICATIONS.
- 6. MAINTAIN ACCURATE AS-BUILTS AND PROVIDE FOR THE TESTING OF MATERIALS AND INSTALLATION PER SPECIFICATIONS.
- 7. RESTORE ALL DISTURBED AREAS AND CLEAN UP SITE PER FINAL ACCEPTANCE NOTE BELOW. SEE PERMANENT EROSION CONTROL NOTES. 8. WHEN DIRECTED BY ENGINEER, REMOVE SILT FENCES, TREE PROTECTION FENCING, INLET PROTECTION,
- ROCK BERMS, AND TEMPORARY IRRIGATION FROM SITE. THIS MAY REQUIRE THE CONTRACTOR TO RETURN TO THIS PROJECT AFTER HE HAS BEEN RELEASED BY LISD.
- 9. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE FROM THE ENTIRE SITE ANY DEBRIS WHICH MAY BECOME A HAZARD FOR LISD LAWN-MOWING EQUIPMENT. CONTRACTOR SHALL CONTACT JERAMI HARRIS AT LISD AT 512-570-0644 OR JERAMI.HARRIS@LEANDERISD.ORG TO SECURE INSPECTION AND APPROVAL. THIS INCLUDES SCRUB CEDAR TREES, ROCKS, AND SMALL BRUSH.
- 10. REQUEST FINAL WALK THROUGH AND CONDUCT WALK THROUGH WITH ENGINEER OF RECORD AND CITY DEPARTMENT.

EROSION CONTROL NOTES

- 1. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES AND SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.
- 2. THE TEMPORARY SPOILS DISPOSAL SITE IS TO BE SHOWN IN THE EROSION CONTROL MAP.
- 3. ANY ON-SITE SPOILS DISPOSAL SHALL BE REMOVED PRIOR TO ACCEPTANCE UNLESS SPECIFICALLY SHOWN ON THE PLANS. THE DEPTH OF SPOIL SHALL NOT EXCEED 10 FEET IN ANY AREA.
- 4. ALL AREAS DISTURBED OR EXPOSED DURING CONSTRUCTION SHALL BE RESTORED WITH A MINIMUM OF 6 INCHES OF TOPSOIL AND COMPOST BLEND. TOPSOIL ON SINGLE FAMILY LOTS MAY BE INSTALLED WITH HOME CONSTRUCTION. THE TOPSOIL AND COMPOST BLEND SHALL CONSIST OF 75% TOPSOIL AND 25% COMPOST.
- 5. SEEDING FOR REESTABLISHING VEGETATION SHALL COMPLY WITH THE AUSTIN GROW GREEN GUIDE OR WILLIAMSON COUNTY'S PROTOCOL FOR SUSTAINABLE ROADSIDES (SPEC 164--WC001 SEEDING FOR EROSION CONTROL). RESEEDING VARIETIES OF BERMUDA SHALL NOT BE USED.
- 6. STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED AT ALL POINTS WHERE CONSTRUCTION TRAFFIC IS EXITING THE PROJECT ONTO EXISTING PAVEMENT. LINEAR CONSTRUCTION PROJECTS MAY REQUIRE SPECIAL CONSIDERATION. ROADWAYS SHALL REMAIN CLEAR OF SILT AND MUD.
- 7. TEMPORARY STOP SIGNS SHOULD BE INSTALLED AT ALL CONSTRUCTION ENTRANCES WHERE A STOP CONDITION DOES NOT ALREADY EXIST
- 8. IN THE EVENT OF INCLEMENT WEATHER THAT MAY RESULT IN A FLOODING SITUATION, THE CONTRACTOR SHALL REMOVE INLET PROTECTION MEASURES UNTIL SUCH TIME AS THE WEATHER EVENT HAS PASSED.

WATER AND WASTEWATER NOTES

WATER AND WASTEWATER GENERAL NOTES

- 1. ALL NEWLY INSTALLED PIPES AND RELATED PRODUCTS MUST CONFORM TO AMERICAN NATIONAL STANDARDS INSTITUTE/NATIONAL SANITATION FOUNDATION (ANSI/NSF) STANDARD 61 AND MUST BE CERTIFIED BY AND ORGANIZATION ACCREDITED BY ANSI.
- 2. ALL WATER SERVICE, WASTEWATER SERVICE AND VALVE LOCATIONS SHALL BE APPROPRIATELY STAMPED AS FOLLOWS:
 - WATER SERVICE "W" ON TOP OF CURB
- WASTEWATER SERVICE "S" ON TOP OF CURB VALVE "V" ON TOP OF CURB
- 3. INTERIOR SURFACES OF ALL DUCTILE IRON POTABLE OR RECLAIMED WATER PIPE SHALL BE CEMENT-MORTAR LINED AND SEAL COATED AS REQUIRED BY AWWA C104.
- 4. SAND, AS DESCRIBED IN AUSTIN SPECIFICATION ITEM 510 PIPE, SHALL NOT BE USED AS BEDDING FOR WATER AND WASTEWATER LINES. ACCEPTABLE BEDDING MATERIALS ARE PIPE BEDDING STONE, PEA GRAVEL AND
- IN LIEU OF SAND, A NATURALLY OCCURRING OR MANUFACTURED STONE MATERIAL CONFORMING TO ASTM C33 FOR STONE QUALITY AND MEETING THE FOLLOWING GRADATION SPECIFICATION: SIEVE SIZE PERCENT RETAINED BY WEIGHT

1/2"	0
3/8"	0-2
#4	40-85
#10	95-100

5. DENSITY TESTING FOR TRENCH BACKFILL SHALL BE DONE IN MAXIMUM 12" LIFTS.

WATER

- 1. SAMPLING TAPS SHALL BE BROUGHT UP TO 3 FEET ABOVE GRADE AND SHALL BE EASILY ACCESSIBLE FOR CITY PERSONNEL. AT THE CONTRACTORS' REQUEST, AND IN HIS PRESENCE, SAMPLES FOR BACTERIOLOGICAL TESTING WILL BE COLLECTED BY THE CITY OF LEANDER NOT LESS THAN 24 HOURS AFTER THE TREATED LINE HAS BEEN FLUSHED OF THE CONCENTRATED CHLORINE SOLUTION AND CHARGED WITH WATER APPROVED BY THE CITY.
- 2. CITY PERSONNEL WILL OPERATE OR AUTHORIZE THE CONTRACTOR TO OPERATE ALL WATER VALVES THAT WILL PASS THROUGH THE CITY'S POTABLE WATER. THE CONTRACTOR MAY BE FINED \$500 OR MORE, INCLUDING ADDITIONAL THEFT OF WATER FINES, IF A WATER VALVE IS OPERATED IN AN UNAUTHORIZED MANNER, REGARDLESS OF WHO OPERATED THE VALVE.
- 3. THE CONTRACTOR IS HEREBY NOTIFIED THAT CONNECTING TO, SHUTTING DOWN, OR TERMINATING EXISTING UTILITY LINES MAY HAVE TO OCCUR AT OFF-PEAK HOURS. SUCH HOURS ARE USUALLY OUTSIDE NORMAL WORKING HOURS AND POSSIBLY BETWEEN 12 AM AND 6 AM AFTER COORDINATING WITH CITY CONSTRUCTION INSPECTORS AND INFORMING AFFECTED PROPERTIES.
- 4. PRESSURE TAPS OR HOT TAPS SHALL BE IN ACCORDANCE WITH CITY OF LEANDER STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION AND SHALL FURNISH, INSTALL AND AIR TEST THE SLEEVE AND VALVE. A CITY OF LEANDER INSPECTOR MUST BE PRESENT WHEN THE CONTRACTOR MAKES A TAP, AND/OR ASSOCIATED TESTS. A MINIMUM OF TWO (2) WORKING DAYS NOTICE IS REQUIRED. "SIZE ON SIZE" TAPS SHALL NOT BE PERMITTED UNLESS MADE BY THE USE OF AN APPROVED FULL-CIRCLE GASKETED TAPPING SLEEVE. CONCRETE THRUST BLOCKS SHALL BE PLACED BEHIND AND UNDER ALL TAP SLEEVES A MINIMUM OF 24 HOURS PRIOR TO THE BRANCH BEING PLACED INTO SERVICE. THRUST BLOCKS SHALL BE INSPECTED PRIOR TO BACKFILL.
- 5. FIRE HYDRANTS ON MAINS UNDER CONSTRUCTION SHALL BE SECURELY WRAPPED WITH A BLACK POLY WRAP BAG AND TAPED INTO PLACE. THE POLY WRAP SHALL BE REMOVED WHEN THE MAINS ARE ACCEPTED AND PLACED INTO SERVICE.
- 6. ALL NEWLY INSTALLED WATER PIPES AND FITTINGS SHALL BE FULLY RESTRAINED WITH MEGA LUG OR APPROVED EQUAL
- 7. ALL DEAD END WATER MAINS SHALL HAVE "FIRE HYDRANT ASSEMBLY" OR "BLOW-OFF VALVE AND THRUST BLOCK" OR "BLOW-OFF VALVE AND THRUST RESTRAINTS". THRUST RESTRAINTS SHALL BE INSTALLED ON THE MINIMUM LAST THREE PIPE LENGTHS (STANDARD 20' LAYING LENGTH). ADDITIONAL THRUST RESTRAINTS MAY BE REQUIRED BASED UPON THE MANUFACTURERS RECOMMENDATION AND/OR ENGINEER'S DESIGN.

- 8. PIPE MATERIAL FOR PUBLIC WATER MAINS SHALL BE PVC (AWWA C900-DR14 MIN. 305 PSI PRESSURE RATING). WATER SERVICES (2" OR LESS) SHALL BE POLYETHYLENE TUBING (BLACK, 200PSI, AND SDR-(9)). COPPER PIPES AND FITTINGS ARE NOT ALLOWED IN THE PUBLIC RIGHT OF WAY. ALL PLASTIC PIPES FOR USE IN
- 11.LINE FLUSHING OR ANY ACTIVITY USING A LARGE QUANTITY OF WATER MUST BE COORDINATED WITH THE PUBLIC WORKS DEPARTMENT.
- 12. ALL WATER METER BOXES SHALL BE:
- a. SINGLE, 1" METER AND BELOW DFW37F-12-1CA, OR EQUAL b. DUAL, 1" METERS AND BELOW DFW39F-12-1CA, OR EQUAL c. 1.5" SINGLE METER DFW65C-14-1CA, OR EQUAL
- d. 2" SINGLE METER DFW1730F-12-1CA, OR EQUAL
- 13. ALL WATER VALVE COVERS ARE TO BE PAINTED BLUE.

WASTEWATER

- 1. CURVILINEAR WASTEWATER DESIGN LAYOUT IS NOT PERMITTED. 2. MANDREL TESTING SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30
- 3. MANHOLES SHALL BE COATED PER CITY OF AUSTIN SPL WW-511 (RAVEN 405 OR SPRAYWALL). PENETRATIONS TO EXISTING WASTEWATER MANHOLES REQUIRE THE CONTRACTOR TO RECOAT THE ENTIRE MANHOLE IN ACCORDANCE WITH CITY OF AUSTIN STANDARD SPECIFICATIONS SECTION NO. 506.5.
- 4. RECLAIMED AND RECYCLED WATER LINE SHALL BE CONSTRUCTED OF "PURPLE PIPE". ALL RECLAIMED AND RECYCLED WATER VALVE COVERS SHALL BE SQUARE AND PAINTED PURPLE.
- 5. FORCE MAIN PIPES NEED TO HAVE SWEEPING WYES AND JOINTS.

STREET AND DRAINAGE NOTES

- 1. THE CITY OF LEANDER HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA). IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE COMPLIANCE WITH ALL LEGISLATION RELATED TO ACCESSIBILITY WITHIN THE LIMITS OF CONSTRUCTION SHOWN IN THESE PLANS. ALL SIDEWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND TEXAS ACCESSIBILITY STANDARDS (TAS).
- 2. BACKFILL BEHIND THE CURB SHALL BE COMPACTED TO OBTAIN A MINIMUM OF 95% MAXIMUM DENSITY TO WITHIN 6" OF TOP OF CURB. MATERIAL USED SHALL BE PRIMARILY GRANULAR WITH NO ROCKS LARGER THAN 6" IN THE GREATEST DIMENSION. THE REMAINING 6" SHALL BE CLEAN TOPSOIL FREE FROM ALL CLODS AND SUITABLE FOR SUSTAINING PLANT LIFE.
- 3. A MINIMUM OF 6" OF TOPSOIL SHALL BE PLACED BETWEEN THE CURB AND RIGHT-OF-WAY AND IN ALL DRAINAGE CHANNELS EXCEPT CHANNELS CUT IN STABLE ROCK.
- 4. DEPTH OF COVER FOR ALL CROSSINGS UNDER PAVEMENT, INCLUDING GAS, ELECTRIC, TELEPHONE, CABLE TV, ETC., SHALL BE A MINIMUM OF 36" BELOW SUBGRADE.
- 5. STREET RIGHT-OF-WAY SHALL BE GRADED AT A SLOPE OF 1/4" PER FOOT TOWARD THE CURB UNLESS OTHERWISE INDICATED
- 6. ALL DRAINAGE PIPE IN PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE REINFORCED CONCRETE PIPE MINIMUM CLASS III OF TONGUE AND GROOVE OR O-RING JOINT DESIGN. CORRUGATED METAL PIPE IS NOT ALLOWED IN PUBLIC RIGHT OF WAY OR EASEMENTS.
- 7. THE CONTRACTOR MUST PROVIDE A PNEUMATIC TRUCK PER TXDOT SPEC FOR PROOF ROLLING. 8. ALL STRIPING, WITH THE EXCEPTION OF STOP BARS, CROSS WALKS, WORDS AND ARROWS, IS TO BE TYPE II
- (WATER BASED). STOP BARS, CROSS WALKS, WORDS AND ARROWS REQUIRE TYPE I THERMOPLASTIC. 9. MANHOLE FRAMES, COVERS, VALVES, CLEAN-OUTS, ETC. SHALL BE RAISED TO GRADE PRIOR TO FINAL PAVEMENT CONSTRUCTION.
- 10. A STOP BAR SHALL BE PLACED AT ALL STOP SIGN LOCATIONS.
- 11. THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE FOR COMPLIANCE WITH THE DESIGN ASSUMPTIONS MADE DURING PREPARATION OF THE SOILS REPORT. ANY ADJUSTMENTS THAT ARE REQUIRED SHALL BE MADE THROUGH REVISIONS OF THE APPROVED CONSTRUCTION PLANS.
- 13. A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CITY OF AUSTIN TRANSPORTATION CRITERIA MANUAL, CITY OF LEANDER STANDARD DETAILS AND TEXAS DEPARTMENT OF TRANSPORTATION CRITERIA, SHALL BE SUBMITTED TO THE CITY OF LEANDER FOR REVIEW AND APPROVAL PRIOR TO ANY PARTIAL OR COMPLETE ROADWAY CLOSURES. TRAFFIC CONTROL PLANS MUST BE SITE SPECIFIC AND SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
- 14. ALL LANE CLOSURES SHALL OCCUR ONLY BETWEEN THE HOURS OF 9 AM AND 4 PM UNLESS OTHERWISE NOTED ON THE PLANS. ANY NIGHT TIME LANE CLOSURES REQUIRE APPROVAL OF THE CITY ENGINEER AND SHALL OCCUR BETWEEN THE HOURS OF 8 PM AND 6 AM. LANE CLOSURES OBSERVED BY THE CITY DURING PEAK HOURS OF 6 AM TO 9 AM OR 4 PM TO 8 PM WILL BE SUBJECT TO A FINE AND/OR SUBSEQUENT ISSUANCE OF WORK STOPPAGE.
- 15. TEMPORARY ROCK CRUSHING IS NOT ALLOWED. ALL SOURCES OF FLEXIBLE BASE MATERIAL ARE REQUIRED TO BE APPROVED BY THE CITY. PRIOR TO BASE PLACEMENT ALL CURRENT TRIAXIAL TEST REPORTS FOR PROPOSED STOCK PILES ARE TO BE SUBMITTED TO THE CITY CONSTRUCTION INSPECTOR FOR REVIEW AND APPROVAL
- 16. AT ROAD INTERSECTIONS THAT HAVE A VALLEY GUTTER. THE CROWN TO THE INTERSECTING ROAD WILL BE CULMINATED AT A DISTANCE OF 40 FEET FROM THE INTERSECTING CURB LINE UNLESS OTHERWISE NOTED. 17.NO PONDING OF WATER SHALL BE ALLOWED TO COLLECT ON OR NEAR THE INTERSECTION OF PRIVATE
- DRIVEWAYS AND PUBLIC STREETS. RECONSTRUCTION OF THE DRIVEWAY APPROACH SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 18. ALL DRIVEWAY APPROACHES SHALL HAVE A UNIFORM TWO PERCENT SLOPE WITHIN THE PUBLIC RIGHT OF WAY UNLESS APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.
- 19.IMPROVEMENTS THAT INCLUDE RECONSTRUCTION OF AN EXISTING TYPE II DRIVEWAY SHALL BE DONE IN A MANNER WHICH RETAINS OPERATIONS OF NOT LESS THAN HALF OF THE DRIVEWAY TO REMAIN OPEN AT ALL TIMES. FULL CLOSURE OF SUCH DRIVEWAY CAN BE CONSIDERED WITH WRITTEN AUTHORIZATION OBTAINED BY THE CONTRACTOR FROM ALL PROPERTY OWNERS AND ACCESS EASEMENT RIGHT HOLDERS ALLOWING THE FULL CLOSURE OF THE DRIVEWAY.
- 20.CONTRACTOR MUST CLEAR FIVE (5) FEET BEYOND ALL PUBLIC RIGHT OF WAY TO PREVENT FUTURE VEGETATIVE GROWTH INTO THE SIDEWALK AREAS.
- 21.SLOPE OF NATURAL GROUND ADJACENT TO THE PUBLIC RIGHT OF WAY SHALL NOT EXCEED 3:1 SLOPE. IF A 3:1 SLOPE IS NOT POSSIBLE, SLOPE PROTECTION OR RETAINING WALL MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO FINAL ACCEPTANCE.
- 22. THERE SHALL BE NO WATER, WASTEWATER OR DRAINAGE APPURTENANCES INCLUDING, BUT NOT LIMITED TO, VALVES, FITTINGS, METERS, CLEAN-OUTS, MANHOLES, OR VAULTS IN ANY DRIVEWAY, SIDEWALK, TRAFFIC OR PEDESTRIAN AREA.
- 23.PUBLIC SIDEWALKS SHALL NOT USE CURB INLETS AS PARTIAL WALKING SURFACE. SIDEWALKS SHALL NOT USE TRAFFIC CONTROL BOXES, METERS, CHECK VALVE VAULTS, COMMUNICATION VAULTS, OR OTHER BURIED OR PARTIALLY BURIED INFRASTRUCTURE AS A VEHICULAR OR PEDESTRIAN SURFACE.
- 24.ALL WET UTILITIES SHALL BE INSTALLED AND ALL DENSITIES MUST HAVE PASSED INSPECTION(S) PRIOR TO THE INSTALLATION OF DRY UTILITIES.
- 25.DRY UTILITIES SHALL BE INSTALLED AFTER SUBGRADE IS CUT AND BEFORE THE FIRST COURSE OF BASE; NO TRENCHING OF COMPACTED BASE. IF NECESSARY DRY UTILITIES INSTALLED AFTER FIRST COURSE BASE SHALL BE BORED ACROSS THE FULL WIDTH OF THE PUBLIC RIGHT-OF-WAY.
- 26.A MINIMUM OF SEVEN (7) DAYS OF CURE TIME IS REQUIRED FOR HMAC PRIOR TO THE INTRODUCTION OF VEHICULAR TRAFFIC TO ALL STREETS.

TRENCH SAFETY NOTES

1. TRENCH SAFETY SYSTEMS TO BE UTILIZED FOR THIS PROJECT ARE DESCRIBED IN ITEM 509S "TRENCH SAFETY SYSTEMS" OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS AND SHALL BE IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATION SAFETY AND HEALTH ADMINISTRATION REGULATIONS.

GRADING NOTES

- 1. POSITIVE DRAINAGE SHALL BE MAINTAINED ON ALL SURFACE AREAS WITHIN THE SCOPE OF THIS PROJECT. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
- 2. THE CONTRACTOR SHALL CONSTRUCT EARTHEN EMBANKMENTS WITH SLOPES NO STEEPER THAN 3:1 AND COMPACT SOIL TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS.
- 3. AREAS OF SOIL DISTURBANCE ARE LIMITED TO GRADING AND IMPROVEMENTS SHOWN. ALL OTHER AREAS WILL NOT BE DISTURBED.

BENCHMARK NOTES

BM #61 - CUT "X" N: 10182695.59 E: 3076376.39 ELEVATION: 991.35

BM #62 - CUT "X" N: 10183794.66 E: 3076235.94 ELEVATION: 981.94





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EXISTING CONCRETE TO BE REMOVED EXISTING ASPHALT TO BE

REMOVED TREE PROTECTION FENCE

NOTES

- EXISTING MECHANIC SHOP TO REMAIN IN OPERATION WHILE CONSTRUCTION OF THE NEW BUILDING IS COMPLETED. DEMO ACTIVITIES TO BEGIN AFTER NEW FACILITY IS IN OPERATION.
- 2. CONTRACTOR TO COORDINATE WITH LISD PERSONNEL FOR ACCESS TO THE SITE AS ENTRANCE WILL BE SHARED BETWEEN CONTRACTOR AND LISD
- PERSONNEL WHILE NEW CONSTRUCTION IS ONGOING. 3. EXISTING FENCE TO REMAIN EXCEPT AS SHOWN. GATE REPLACEMENT TO BE COORDINATED WITH LISD PM
- 4. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. THOSE UTILITIES THAT SERVE THE EXISTING VEHICLE MAINTENANCE SHOP MUST REMAIN ACTIVE AND IN OPERATION WHILE THE NEW CONSTRUCTION IS TAKING PLACE UP UNTIL THE TIME THE EXISTING FACILITY IS VACATED.



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	PROPERTY LINE
XXX	PROPOSED CONT
XXX	EXISTING CONTO
LOC	LIMITS OF CONST
	LOC / SILT FENCE
SF	SILT FENCE (SEE
TP	TREE PROTECTIO

____0____

- PROPOSED CONTOUR EXISTING CONTOUR — LIMITS OF CONSTRUCTION ____ LOC / SILT FENCE (SEE C011) — SILT FENCE (SEE C011) - TREE PROTECTION FENCE (SEE C011) PROPOSED RIBBON CURB — EXISTING CHAIN LINK FENCE STABILIZED CONSTRUCTION ENTRANCE

CONCRETE WASHOUT

INLET PROTECTION

NOTES

1. CITY OF LEANDER ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD OR MODIFY EROSION/SEDIMENT CONTROLS ON SITE THROUGHOUT THE DURATION OF THE PROJECT



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	PROPERTY LINE
	PROPOSED CONC
	PROPOSED ROCH
ی د د د د د د د د د د د د د د د د د د د	PROPOSED GRAS
	PROPOSED RIBBO
o	EXISTING CHAIN I
o	PROPOSED CHAII
FIRE	PROPOSED FIRE

PROPOSED CONCRETE

PROPOSED ROCK HARDSCAPE

PROPOSED GRASS

PROPOSED RIBBON CURB (SEE C010) EXISTING CHAIN LINK FENCE PROPOSED CHAIN LINK FENCE PROPOSED FIRE LANE PROPOSED BUMPER CURB (SEE C010)

NOTES

- 1. ALL DIMENSIONS ARE TO BACK OF RIBBON CURB,
- UNLESS LABELED OTHERWISE.
- 2. CURB RADII ARE R3.00' UNLESS OTHERWISE NOTED. 3. ALL SITE UTILITY LINES ARE PROPOSED TO BE LOCATED UNDERGROUND
- 4. EXTERIOR LIGHTING SHALL BE SHIELDED SUCH THAT THE LIGHT SOURCE IS NOT DIRECTLY VISIBLE FORM THE PUBLIC ROW OR ADJACENT RESIDENTIAL DISTRICTS OR USED AT THE PROPERTY LINE. UNSHIELDED "WALL PACK" LIGHTING IS NOT PROPOSED.



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FILE NAME: A:\53000s\53112\004\LD\CADD\Sheets\C-PLAN-GRAD-53112.04.dwg DATE: August 5, 2024, TIME: 4:59 PM, USER: ah3879 AVO: 53



LEGEND

XXX
XXX
FC 992.30
BC 992.30
FFE 993.25
TP 992.30
-2.0%

PROPERTY LINE
PROPOSED CONTOUR
EXISTING CONTOUR
GRADE BREAK
FRONT OF CURB ELEVATION
BACK OF CURB ELEVATION
FINISHED FLOOR ELEVATION
TOP OF PAVEMENT ELEVATION
RIBBON CURB GRADE DIRECTION

NOTES

1. CONTRACTOR TO ENSURE ALL NEW CONCRETE PAVING SLOPES A MINIMUM 2% AWAY FROM BUILDING.



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EXISTING CONTOUR — EXISTING CHAIN LINK FENCE EXISTING DRAINAGE BOUNDARY $\rightarrow \rightarrow \rightarrow \rightarrow -$ TIME OF CONCENTRATION PATH EXISTING DRAINAGE AREA NUMBER

- EXISTING DRAINAGE AREA (ACRES)

NOTES

- STORMWATER RUNOFF RATES FOR THE PRE AND POST DEVELOPMENT CONDITIONS WERE COMPUTED USING THE SOIL CONSERVATION SERVICES (SCS) UNIT HYDROGRAPH WITHIN HEC-HMS.
- 2. THE SCS 24-HOUR STORM WAS UTILIZED USING PRECIPITATION VALUES FROM NOAA ATLAS 14 WITH THE HEC-HMS FREQUENCY STORM.
- 3. COMPOSITE RUNOFF CURVE NUMBERS (CNS) WERE COMPUTED USING THE AREA WEIGHTING FORMULA. 3.1. UNDEVELOPED - 80 3.2. DEVELOPED IMPERVIOUS COVER - 98
- 4. TIME OF CONCENTRATIONS WERE DERIVED USING THE TR-55 METHOD.



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PROPOSED CONTOUR EXISTING CONTOUR = PROPOSED RIBBON CURB — EXISTING CHAIN LINK FENCE ---- PROPOSED FIRE LANE PROPOSED DRAINAGE BOUNDARY $\rightarrow \rightarrow \rightarrow \rightarrow -$ TIME OF CONCENTRATION PATH ROPOSED DRAINAGE AREA NUMBER

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Attachment N - Inspection, Maintenance, Repair and Retrofit Plan

No permanent BMPs are proposed with this project given the reduction in on-site impervious cover. Section not applicable to this project.

<u>Attachment O - Pilot-Scale Field Testing Plan, if BMPs not based on Complying with the Edwards</u> <u>Aquifer Rules: Technical Guidance for BMPs</u>

The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

Section not applicable to this project.

Attachment P - Measures for Minimizing Surface Stream Contamination

No measures for minimizing surface stream contamination are proposed given the reduction in impervious cover on-site.

Section not applicable to this project.

SECTION III

TEMPORARY STORMWATER SECTION (TCEQ-0602)

Temporary Stormwater Section

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Jaime Urquidi, P.E.

Date: 8/5/2024

Signature of Customer/Agent:



Regulated Entity Name: Leander ISD Mechanic Shop

Project Information

Potential Sources of Contamination

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

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

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

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

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

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

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

Sequence of Construction

5. Attachment C - Sequence of Major Activities. A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.

For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.

- For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: <u>Brushy Creek, Mason Creek</u>

Temporary Best Management Practices (TBMPs)

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

7. X Attachment D – Temporary Best Management Practices and Measures. TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

		 A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site. A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site. A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer. A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8	3. 🖂	The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
		 Attachment E - Request to Temporarily Seal a Feature. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature. There will be no temporary sealing of naturally-occurring sensitive features on the site.
Q	9. 🛛	Attachment F - Structural Practices. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
-	10. 🖂	Attachment G - Drainage Area Map. A drainage area map supporting the following requirements is attached:
		 For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided. For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used. For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
		 attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area. There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.

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

Soil Stabilization Practices

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

17. Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices. A schedule of the interim and permanent soil stabilization practices for the site is attached.

- 18. Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 19. Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

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

Attachment A - Spill Response Actions

No spills of hydrocarbons or hazardous substances are expected. However, in the event such an incidence does occur, the contractor should carefully follow the TCEQ guidelines outlined below:

Cleanup:

(1) Clean up leaks and spills immediately.

(2) Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.

(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly.

Minor Spills:

(1) Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.

(2) Use absorbent materials on small spills rather than hosing down or burying the spill.

(3) Absorbent materials should be promptly removed and disposed of properly.

(4) Follow the practice below for a minor spill: • Contain the spread of the spill. • Recover spilled materials. • Clean the contaminated area and properly dispose of contaminated materials.

Semi-Significant Spills:

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

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

Significant/Hazardous Spills:

From any event, the Reportable Quantity (RQ) = for highly toxic materials the RQ>25 gals. For petroleum/hydrocarbon liquids, spills the RQ>250 gallons (on land) or that which creates "a sheen" on water. Only certified Hazmat teams will be responsible for handling the material at the site. For significant or hazardous spills that are in reportable quantities:

(1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site. Additionally in the event of a hazardous material spill, local Williamson County and/or City of Georgetown police, fire and potentially EMS should be contacted in order to initiate the hazardous material response team.

(2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.

(3) Notification should first be made by telephone and followed up with a written report of which one copy is to be kept onsite in the report binder and one copy provided to the TCEQ.

(4) The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.

(5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc. More information on spill rules and appropriate responses is available on the TCEQ website at: http://www.tceq.state.tx.us/response/spills.htm

Attachment B - Potential Sources of Contamination

No particular activity or process during construction of the facility is anticipated to present a significant risk of being a potential source of contamination. However, during regular construction operations, several common and minor risks of contamination are anticipated. Should the unforeseeable mishap occur during construction or regular operation of the facility, the contractor shall follow the guidelines set forth in "Attachment 6A – Spill Response Plan."

Potential sources of sediment to stormwater runoff:

- Clearing and grubbing
- Grading and excavation
- Vehicle Tracking
- Topsoil stripping and stockpiling
- Landscaping

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

- Combined Staging Area small fueling, minor equipment maintenance, sanitary facility.
- Materials Storage Area solvents, adhesives, paving materials, aggregates, trash, etc.
- Construction Activities paving, concrete pouring
- Concrete washout area

Potential onsite pollutants:

- Fertilizer
- Concrete
- Glue, adhesives
- Gasoline, diesel fuel, hydraulic fluids, antifreeze
- Sanitary toilets

Attachment C - Sequence of Major Activities

 Temporary erosion and sedimentation controls are to be installed as indicated on the approved site plan or subdivision construction plan and in accordance with the stormwater pollution prevention plan (SWPPP) that is required to be posted on the site. Estimated quantities of each are below:

• 1,410 LF of Silt Fence, 175 LF of Tree Protection Fence, 1 Inlet Protection, 1 Stabilized Construction Entrance, 1 Concrete Washout, 1 Staging Area

2. The environmental project manager, and/or site supervisor, and/or designated responsible party, and the general contractor will follow the storm water pollution prevention plan (SWPPP) posted on the site. Temporary erosion and sedimentation controls will be revised, if needed, to comply with city inspectors' directives, and revised construction schedule relative to the water quality plan requirements and the erosion and sedimentation control plan. Estimated quantities of each are below:

• 1,410 LF of Silt Fence, 175 LF of Tree Protection Fence, 1 Inlet Protection, 1 Stabilized Construction Entrance, 1 Concrete Washout, 1 Staging Area

3. Temporary erosion and sedimentation controls will be inspected and maintained in accordance with the storm water pollution prevention plan (SWPPP) posted on the site. Estimated quantities of each are below:

• 1,410 LF of Silt Fence, 175 LF of Tree Protection Fence, 1 Inlet Protection, 1 Stabilized Construction Entrance, 1 Concrete Washout, 1 Staging Area

- 4. Begin site clearing/construction (or demolition) activities.
 - 3.14 acres (limits of construction include offsite utilities)
- 5. Complete construction, including excavation, filling, utilities, paving, and buildings, and start revegetation and landscaping of the site.
 - 3.14 acres (limits of construction include offsite utilities)
- 6. Upon completion of the site construction and revegetation of a project site, the design engineer shall submit an engineer's letter of concurrence to Williamson County indicating that construction, including revegetation, is complete and in substantial conformity with the approved plans. After receiving this letter, a final inspection will be scheduled by the appropriate city inspector.
 - 3.14 acres (limits of construction include offsite utilities)
- 7. After construction is complete and all disturbed areas have been revegetated per plan to at least 90 percent established, remove the temporary erosion and sedimentation controls and complete any necessary final revegetation resulting from removal of the controls. Conduct any maintenance and rehabilitation of the water quality ponds or controls.
 - 3.14 acres (limits of construction include offsite utilities)

Attachment D - Temporary Best Management Practices and Measures

Prior to the commencement of any construction activity whatsoever, the contractor shall install the silt fencing, the tree protection fencing, the stabilized construction entrance, the concrete washout controls, the staging area, and the inlet protection per the Erosion and Sedimentation Control Plan. All BMPs shall be installed per TCEQ and local requirements. The proposed temporary BMPs, such as silt fencing, tree protection fencing, and inlet protection, are intended to control increased TSS from construction activities in the following manner:

Additional notes regarding temporary BMPs:

- A. The temporary BMPs proposed during construction activities will prevent pollution of surface water by filtering the increased sediment loads and other pollutant sources listed in "Attachment 5B, Potential Sources of Contamination". The primary method of treating sediment-laden stormwater runoff is through silt control fencing and a stabilized construction entrance. The silt control fencing will be placed per plan along the downslope edges of the project area to filter runoff before passing offsite and in strategic locations of drainage. The stabilized construction entrance will assist in removing debris and sediment caught up within construction vehicles tires exiting the site. As a final measure to mitigate stormwater contamination, inlet protection for an existing curb inlet will be implemented. Additional measures to mitigate stormwater contamination are an inlet protection to be implemented for an existing curb inlet and a concrete washout area will be located on the site to prevent contaminated rinse water from concrete trucks from leaving the site.
- B. Stabilized construction exits will supplement the control of off-site tracking of material. After construction is complete, the site will be stabilized by permanent landscaping vegetation throughout the project area.
- C. According to the geologic assessment, there are no naturally occurring features identified on this site that need stormwater runoff to be maintained.

Attachment E – Request to Temporarily Seal a Feature, if sealing a feature

No temporary sealing of naturally occurring sensitive features on the site is proposed.

Section not applicable to this project.

Attachment F - Structural Practices

The following temporary BMP structural practices will be employed on the site:

- **A.** Silt Fence used as barrier protection around the downslope perimeter of the project. The fence retains sediment primarily by retarding flow and promoting deposition on the uphill side of the slope. Runoff is filtered as is passes through the geotextile.
- **B.** Inlet Protection will be provided around all existing and proposed storm sewer inlets during construction. Locations are indicated on the construction plans. These measures will trap and settle out pollutants from the onsite runoff before the runoff enters the storm drain system and exits the site.
- **C.** Stabilized Construction Exits Anti-tracking pads consisting of stone will be installed at the exit to each phase of construction to prevent the off-site transport of sediment by construction vehicles. The anti-tracking pads will be at least 50 feet long, a minimum width to match the entrance, with transitions at each side, and will consist of a minimum 8-inch-thick layer of crushed stone. The crushed stone will be placed over a layer of geotextile filter fabric to reduce the mitigation of sediment from the underlying soil.
- **D.** Concrete Washout Area Prevent or reduce the discharge of pollutants from concrete waste by designating a specific armored area to perform onsite concrete washouts. The placement of structural practices in the floodplain has been avoided.

Attachment G - Drainage Area Map

A proposed drainage area map for the project area and encompassing basin are provided in the construction document.

Attachment H - Temporary Sediment Pond(s) Plans and Calculations

A temporary sediment pond is not proposed during the construction of the site.

Section not applicable to this project.

Attachment I – Inspection and Maintenance for BMPs

The inspection and maintenance of temporary BMP's will be made according to TCEQ RG-348, Complying with the Edwards Aquifer Rules Technical Guidance on Best Management Practices, July 2005 Revision.

Inspection Personnel:

Inspections shall be conducted by qualified representatives of the contractor acting on behalf of the owner or a designated party if hired separately by the owner. Each operator must delegate authority to the specifically described position or person performing inspections, as provided by 30 TAC 305.128, as an authorized person for signing reports and performing certain activities requested by the director or required by the TPDES general permit. This delegation of authority must be provided to the director of TCEQ in writing and a copy shall be kept along with the signed effective copy of the SWP3.

Inspection Schedule and Procedures - Inspections must comply with the following:

An inspection shall occur weekly and after any rain event.

The authorized party shall inspect all disturbed areas of the site, areas used for storage of materials that are exposed to precipitation, structural control measures, and locations where vehicles enter or exit the site.

Disturbed areas and areas used for storage of materials that are exposed to precipitation or within limits of the 1% annual chance (100 year) floodplain must be inspected for evidence of, or the potential for, pollutants entering the runoff from the site. Erosion and sediment control measures identified in the plan must be observed to ensure that they are operating correctly. Observations can be made during wet or dry weather conditions. Where discharge locations or points are accessible, they must be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. This can be done by inspecting receiving waters to see whether any signs or erosion or sediment are associated with the discharge location. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking.

Based on the results of the inspection, the site description and the pollution prevention measures identified in the plan must be revised as soon as possible after an inspection that reveals inadequacies. The inspection and plan review process must provide for timely implementation of any changes to the plan with 7 calendar days following the inspection.

An inspection report that summarizes the scope of the inspection, name(s) and qualifications of personnel conducting the inspection, the dates of the inspection, major observations relating to the implementation of the SWP3. Major observations shall include as a minimum location of discharges of sediment or other pollutants from the site, location of BMPs that need to be maintained, location of BMPs that failed to operate as designed or proved inadequate for a particular location, and locations where BMPs are needed. Actions taken as a result of the inspections 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 SWP3and the TPDES general permit. The report must be signed by the authorized representative delegated by the operators in accordance with TAC 305.128.

Maintenance and Corrective Actions - Maintenance of erosion control facilities shall consist of the minimum requirements as follows:

- A. In ongoing construction areas inspect erosion control improvements to confirm facilities are in place and operable. Where facilities have been temporarily set aside or damaged due to construction activity, place facilities in service before leaving job site.
- **B.** If weather forecast predicts possibility of rain, check entire facilities throughout site to assure facilities are in place and operable. If job site weather conditions indicate high probability of rain, make special inspection of erosion control facilities.
- **C.** After rainfall events review erosion control facilities as soon as site is accessible. Clean rock berms, berm/swales and other structural facilities. Determine where additional facilities or alternative techniques are needed to control sediment leaving site.
- **D.** After portions of site have been seeded, review these areas on regular basis in accordance with project specifications to assure proper watering until grass is established. Reseed areas where grass is not well established.
- **E.** Spills are to be handled as specified by the manufacturer of the product in a timely safe manner by personnel. The site superintendent will be responsible for coordinating spill prevention and cleanup operations.
- **F.** Concrete trucks will discharge extra concrete or wash out drum only at an approved location on site. Residual product shall be properly disposed of.
- G. Inspect vehicle entrance and exits for evidence of off-site tracking and correct as needed.
- H. Remove sediment from traps/ponds no later than when the design capacity has been reduced by 50%.
- I. If sediment escapes the site, the contractor where feasible and where access is available shall collect and remove sedimentation material by appropriate non-damaging methods. Additionally, the contractor shall correct the condition causing discharges.
- J. If inspections or other information sources reveal a control has been used incorrectly, or that a control is performing inadequately, the contractor must replace, correct or modify the control as soon as practical after discovery of the deficiency.

Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

The schedule of interim and permanent soil stabilization practices will be according to the following general schedule. The contractor shall keep adequate records at the site detailing the dates of when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

Prior to Disturbance – Install all temporary erosion and sedimentation control features including but not limited to silt fencing, stabilized construction entrances, rock berms, inlet protection, and sediment pond.

During Construction – Maintain all temporary erosion and sedimentation control structures. Inspect all temporary erosion and sedimentation control structures on a weekly basis and after rain events. Any stockpiles of topsoil or other earthen piles left undisturbed for 14 days or more must be revegetated.

After Completion of Permanent Erosion and Sediment Controls – Stabilize and restore all areas disturbed during construction. Permanent seeding will be applied immediately after the final design grades are achieved on portions of the site but no later than 14 days after construction activities have permanently ceased. After the entire site is stabilized, any sediment that has accumulated will be removed and hauled off-site for disposal. Construction debris, trash and temporary BMPs including silt fences, material storage areas, sanitary toilets, etc. will also be removed and any areas disturbed during removal will be seeded immediately.

SECTION IV

AGENT AUTHORIZATION FORM (TCEQ-0599)

	Agent Authorization Form For Required Signature Edwards Aquifer Protection Program Relating to 30 TAC Chapter 213 Effective June 1, 1999	
ł	FREMY TRUBUE Print Name	;
	CHUEF OPERations OFFICER Title - Owner/President/Other	,
of	Leander I.S.D. Corporation/Partnership/Entity Name	
have authorized	Jaime Urquidi, P.E. Print Name of Agent/Engineer	
of	Halff 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.

Applicant's Signature

<u>8/5/24</u> Date

THE STATE OF § County of Williamson s

BEFORE ME, the undersigned authority, on this day personally appeared **(120N) (120N) (120**



MICHELLE PAIGE **BREEDEN** Notary Public. State of Texas Comm. Expires 05-03-2027 Notary ID 134340248

NOTARY PUBLIC

nollo. I m

MY COMMISSION EXPIRES: 5-3-21

SECTION V

APPLICATION FEE FORM (TCEQ-0574)

Application Fee Form

Texas Commission on Environmental Quality Name of Proposed Regulated Entity: Leander ISD Regulated Entity Location: PO Box 218, Leander, TX 78646 Name of Customer: Leander ISD Contact Person: Jeremy Trimble Phone: (512) 570-0000 Customer Reference Number (if issued):CN 600781074 Regulated Entity Reference Number (if issued):RN Austin Regional Office (3373)			
Havs	Travis	⊠w	illiamson
San Antonio Regional Office (336	2)		
Bexar	Medina		valde
	Kinney		
Application fees must be paid by	check certified check (or money order navah	le to the Texas
Commission on Environmental O	uality. Your canceled o	heck will serve as you	r receipt. This
form must be submitted with you	ur fee payment. This p	ayment is being submi	itted to:
Austin Regional Office		, an Antonio Regional O	ffice
Mailed to: TCEO - Cashier)vernight Delivery to: 1	TCEO - Cashier
	1	2100 Dark 25 Circlo	ceq cashier
Mail Code 214		uilding A 2rd Eloor	
$P \cap Roy 13088$	L 1	unuing A, Stu Floor	
Austin TY 78711-3088	F ()	512)220_0257	
Site Location (Check All That Ann	ь л.	512/259-0557	
	ч у ј.	_	
Recharge Zone	Contributing Zone	Transi	tion Zone
Type of Pla	n	Size	Fee Due
Water Pollution Abatement Plan,	Contributing Zone		
Plan: One Single Family Residentia	al Dwelling	Acres	\$
Water Pollution Abatement Plan,	Contributing Zone		
Plan: Multiple Single Family Resid	ential and Parks	Acres	\$
Water Pollution Abatement Plan,	Contributing Zone		\$ 6,500
Plan: Non-residential		11.032 Acres	
Sewage Collection System		L.F.	\$
Lift Stations without sewer lines		Acres	\$
Underground or Aboveground Sto	orage Tank Facility	Tanks	\$
Piping System(s)(only)		Each	\$
Exception		Each	\$
Extension of Time		Each	\$
Signature:	Date	. 08/22/2024	

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

	Project Area in	
Project	Acres	Fee
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,	< 1	\$3,000
multi-family residential, schools, and other sites	1 < 5	\$4,000
where regulated activities will occur)	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150

SECTION VI

CORE DATA FORM (TCEQ-10400)


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 Descention Cubmission // Athenia sharked starse describe in second second at 1									
1. Reason for Submission (if other is checked please describe in space provided.)									
New Permit Registration or Authorization (Core Data Form should be submitted with the program application.)									
Renewal (Core Data Form should be submitted with the renewal form) Other									
2. Customer Reference Number (if issued)	2. Customer Reference Number (<i>if issued</i>) 3. Regulated Entity Reference Number (<i>if issued</i>)								
	for CN or RN numbers in								
CN CONTRA Central Registry**									
CN 600/810/4 RN									

SECTION II: Customer Information

4. General Customer Information 5. Effective Date for Customer Information Updates (mm/dd/yyyy)											
New Custor	ner	Πι	pdate to Custome	er Informa	tion	Г	Char	nge in Regulated Ent	ity Owne	rship	
Change in Le	egal Name	(Verifiable with the Te	xas Secretary of S	tate or Tex	as Comr	otroller of	Public	Accounts)			
The Custome	r Name si	ubmitted here may	be updated aut	omatical	ly base	d on wha	it is c	urrent and active	with the	e Texas Seci	retary of State
(SOS) or Texas Comptroller of Public Accounts (CPA).											
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below:											
Leander ISD											
7. TX SOS/CP	A Filing N	umber	8. TX State Ta	x ID (11 d	igits)			9. Federal Tax I	D	10. DUNS	Number (if
										applicable)	
								(9 digits)			
								746044570		NA	
								746014573			
11. Type of Customer: Corporation							Individual Partnership		rship: 🗌 Ger	hip: 🔲 General 🗌 Limited	
Government: City County Federal Local State Other Other Other:											
12. Number o	of Employ	ees						13. Independer	ntly Own	ed and Op	erated?
0-20	21-100 [101-250 251	-500 🛛 501 an	nd higher			🖾 Yes 🗌 No				
14. Customer	Role (Pro	posed or Actual) – as	it relates to the Re	egulated Ei	ntity liste	ed on this j	form.	Please check one of	the follow	wing	
Owner		Operator	🛛 Own	er & Opera	ator						
	al Licensee	Responsible Pa	rty 🗌 VC	P/BSA App	olicant			U Other:			
15. Mailing	Leander	I.S.D.									
Address:	P. O. Box	218									
Address.	City Leander State TX						IP	78646		ZIP + 4	0218
16. Country N	Mailing In	formation (if outside	USA)			17. E-M	ail A	ddress (if applicabl	e)		1
						ior	emv+	rimble@leanderisd	org		
						Jei	citiy.t	and the second ensu.	.015		

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(512) 570-0000		(512) 570-0407

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity" is selected, a new permit application is also required.)								
New Regulated Entity 🔲 Update to Regulated Entity Name 🔲 Update to Regulated Entity Information								
The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).								
22. Regulated Entity Nam	22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)							
Leander I.S.D. Mechanic Shop								
23. Street Address of	23. Street Address of							
the Regulated Entity:	301 S West Drive							
<u>(No PO Boxes)</u>	City	Leander	State	ТХ	ZIP	78641	ZIP + 4	
24. County	Williamson							

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

25. Description to										
Physical Location:										
26. Nearest City							State		Nea	rest ZIP Code
Latitude/Longitude are re used to supply coordinate	equired es wher	l and ma re none l	ay be added/updd have been provid	ated to meet 1 ed or to gain	TCEQ Core D accuracy).	ata Standi	ards. (Geoc	oding of the	Physical .	Address may be
27. Latitude (N) In Decima	al:				28. Lo	ongitude (N	N) In Decim	nal:		
Degrees	Minute	es	Secor	nds	Degre	es	Mi	nutes		Seconds
29. Primary SIC Code	9. Primary SIC Code 30. Secondary SIC Code 31. Primary NAICS Code 32. Secondary NAICS Code								S Code	
(4 digits)		(4 digits	5)		(5 or 6 digit	s)		(5 or 6 digit	cs)	
8299										
33. What is the Primary B	usines	s of this	entity? (Do not r	repeat the SIC o	r NAICS descr	ption.)				
Mechanic Shop for Leander I	SD									
34. Mailing	P.O. Box 218									
Address:	Ci	ty L	eander	State	тх	ZIP	78646		ZIP + 4	
35. E-Mail Address:		jeremy.	trimble@leanderise	d.org	1	1	1			1
36. Telephone Number			37.	Extension or	Code	38.	Fax Numbei	(if applicable	2)	
(512) 570-0000						() -			

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

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

SECTION IV: Preparer Information

40. Name:	lan Stewart			41. Title:	Graduate Civil Engineer		
42. Telephone	Number	43. Ext./Code	44. Fax Number	45. E-Mail Address			
(512) 942-6229			() -	istewart@halff.com			

SECTION V: Authorized Signature

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

Company:	Halff	Job Title:	Land Deve	and Development Team Leader				
Name (In Print):	Jaime Urquidi	Phone:	(512) 777- 4559					
Signature:	freme trand			Date:	08/08/2024			