WATER POLLUTION ABATMENT PLAN MODIFICATION FOR COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL



PREPARED FOR:



DATE: SEPTEMBER 2023

PREPARED BY:



12770 Cimarron Path, Ste 100 San Antonio, TX 78249 TBPE Firm #5297 Phone 210-698-5051 Fax 210-698-5085

COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL WATER POLLUTION ABATEMENT PLAN MODIFICATION

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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: COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL				2. Regulated Entity No.: 101281202					
3. Customer Name: Comal ISD		4. Customer No.: 600249825							
5. Project Type: (Please circle/check one)	New	(Modification Extension		nsion	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)	Resider	ntial	Non-residential		8. Site (ac		e (acres):	21.37	
9. Application Fee:	\$6,500		10. Permanent H		BMP(s):		Partial Sedimentation/Filtration Basin		
11. SCS (Linear Ft.):	N/A		12. AST/UST (No			o. Tar	. Tanks): N/A		
13. County:	Comal County		14. W	aters	hed:		Guadalupe River		er

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			

Austin Region

	San Antonio Region						
County:	Bexar	Comal	Kinney	Medina	Uvalde		
Original (1 req.)							
Region (1 req.)							
County(ies)							
Groundwater Conservation District(s)	Edwards Aquifer Authority Trinity-Glen Rose	<u>X</u> 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 _ <u>X</u> _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.

Sean Smith, P.E.

Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent

<u>9/21/23</u> Date

FOR TCEQ INTERNAL USE ONLY						
Date(s)Reviewed:		Date Administratively Complete:				
Received From:		Correct N	Number of Copies:			
Received By:		Distribut	ion Date:			
EAPP File Number:		Complex	Complex:			
Admin. Review(s) (No.):		No. AR R	. AR Rounds:			
Delinquent Fees (Y/N):		Review T	v Time Spent:			
Lat./Long. Verified:		SOS Cust	S 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):			

General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) Effective June 1, 1999

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

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

Signature

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

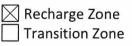
Print Name of Customer/Agent: Sean Smith, P.E.

Date: <u>9/21/2023</u>

Signature of Customer/Agent:

Project Information

- 1. Regulated Entity Name: COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL
- 2. County: Comal County
- 3. Stream Basin: Comal River Guadalupe River
- 4. Groundwater Conservation District (If applicable): Edwards Aquifer Authority
- 5. Edwards Aquifer Zone:



6. Plan Type:

X WPAP	AST
scs	🗌 UST
Modification	Exception Request

7. Customer (Applicant):

8. Agent/Representative (If any):

Contact Person: Sean Smith, P.E.Entity: Moy Tarin Ramirez Engineers, LLCMailing Address: 12770 Cimarron Path, Suite 100City, State: San Antonio, TXTelephone: 210-698-5051Email Address: ssmith@mtrengineers.com

9. Project Location:

The project site is located inside the city limits of _____.

The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of <u>New Braunfels</u>.

- The project site is not located within any city's limits or ETJ.
- 10. The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

4600 FM306, New Braunfels, TX 78132

- 11. Attachment A Road Map. A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.
- 12. X Attachment B USGS / Edwards Recharge Zone Map. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:

 \boxtimes Project site boundaries.

USGS Quadrangle Name(s).

Boundaries of the Recharge Zone (and Transition Zone, if applicable).

Drainage path from the project site to the boundary of the Recharge Zone.

- 13. The TCEQ must be able to inspect the project site or the application will be returned. Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.
 - Survey staking will be completed by this date: <u>01/18/2023</u>

- 14. Attachment C Project Description. Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:
 - igsquare Area of the site
 - Offsite areas
 - Impervious cover
 - \bowtie Permanent BMP(s)
 - Proposed site use
 - Site history
 - Previous development
 - Area(s) to be demolished
- 15. Existing project site conditions are noted below:
 - Existing commercial site
 - Existing industrial site
 - Existing residential site
 - Existing paved and/or unpaved roads
 - Undeveloped (Cleared)
 - Undeveloped (Undisturbed/Uncleared)
 - Other: Existing Elementary School

Prohibited Activities

- 16. I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:
 - (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
 - (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
 - (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
 - (4) The use of sewage holding tanks as parts of organized collection systems; and
 - (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
 - (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.
- 17. I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:
 - (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
 - (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and

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

Administrative Information

- 18. The fee for the plan(s) is based on:
 - For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
 - For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
 - For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
 - A request for an exception to any substantive portion of the regulations related to the protection of water quality.
 - A request for an extension to a previously approved plan.
- 19. Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

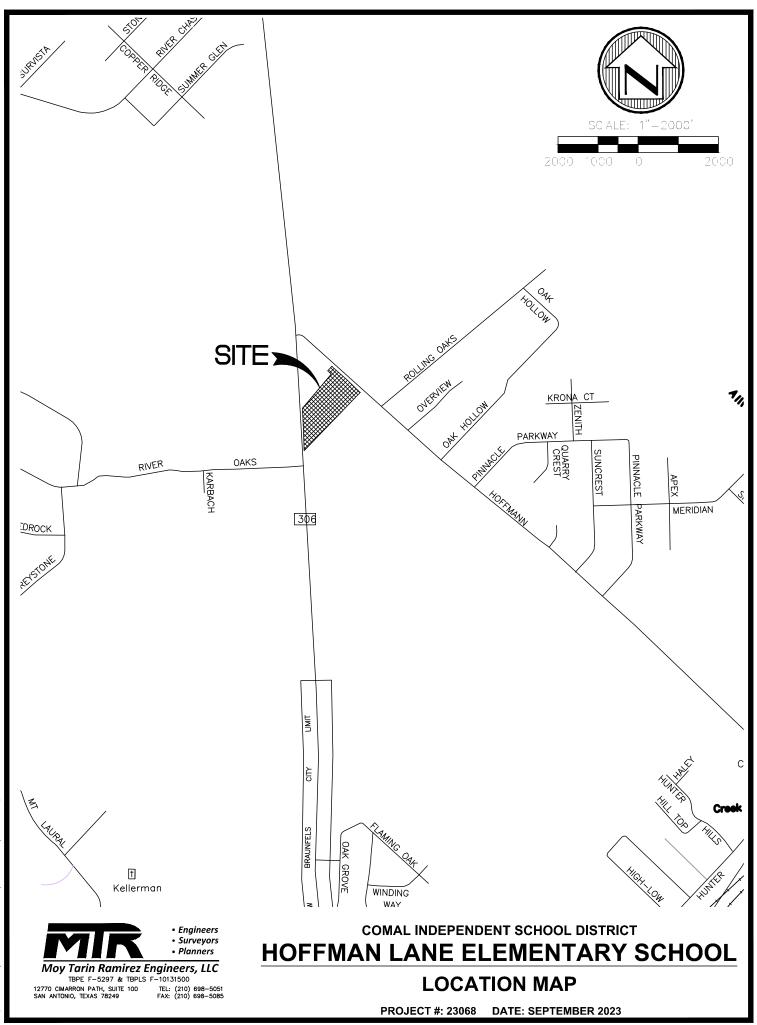
Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)

San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

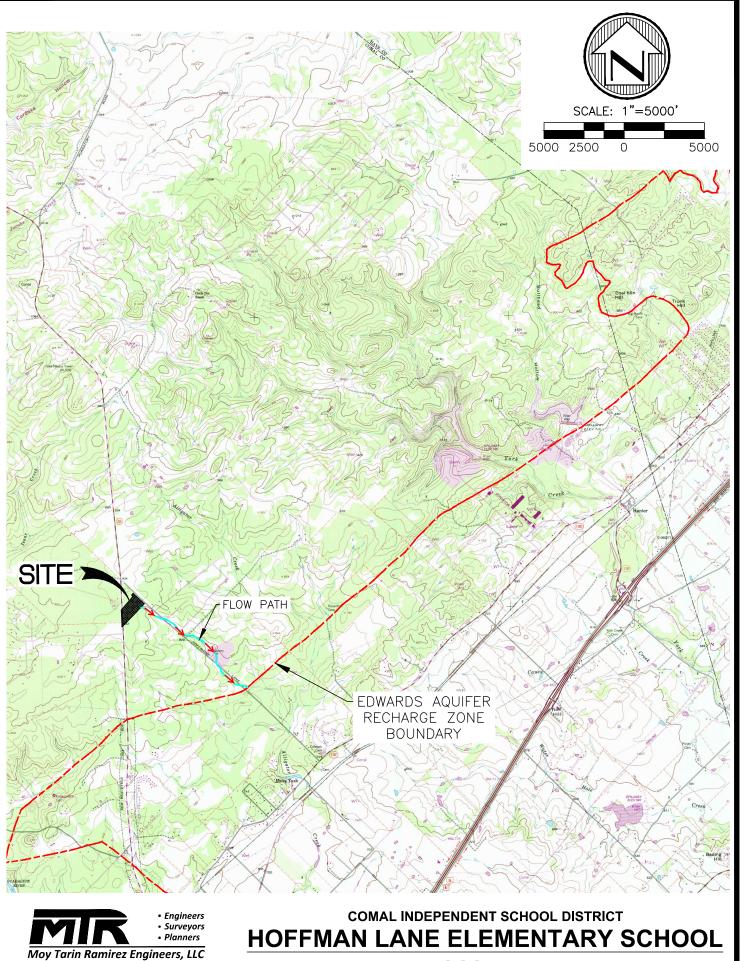
- 20. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- 21. No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

SUMMARY OF PREVIOUS & PROPOSED MODIFICATIONS

WPAP Modification	Pre-June 1,	Original WPAP	Previous Project	Previous Project	Proposed Project
Summary	1999		Modification 1	Modification 2	Modification 3
Acres	21.37	21.37	21.37	21.37	21.37
Type of Development	Undeveloped	Elementary School	Elementary School	Elementary School	Elementary School
Number of Residential Lots	N/A	N/A	N/A	N/A	N/A
Total Impervious Cover (acres)	N/A	5.98	6.15	7.46	7.99
Impervious Cover (%)	N/A	27.98%	28.80%	34.91%	37.39%
		Engineered VFS, Full	Engineered VFS, Full	Engineered VFS,	Engineered VFS,
Permanent BMPs	N/A	Sedimentation /	Sedimentation /	Partial Sedimentation	Partial Sedimentation
		Filtration Basin	Filtration Basin	/ Filtration Basin	/ Filtration Basin
Other	N/A	N/A	N/A	N/A	N/A
Approval Letter Date	N/A	April 26, 2000	June 17, 2003	October 9, 2009	TBD



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USGS MAP USGS QUADRANGLE: BULVERDE & LONGHORN PROJECT #: 23068 DATE: SEPTEMBER 2023

 TBPE
 F-5297
 & TBPLS
 F-10131500

 12770
 CIMARRON
 PATH, SUITE 100
 TEL: (210)
 698-5051

 SAN
 ANTONIO, TEXAS
 78249
 FAX: (210)
 698-5085

ATTACHMENT C

PROJECT DESCRIPTION

A Water Pollution Abatement Plan (WPAP) was first approved for Hoffman Lane Elementary School by the Texas Commission on Environmental Quality on April 26, 2000. The plan was modified on June 17, 2003 to reinforce the existing full sedimentation/filtration basin. The plan was modified again on October 9, 2009 for a building addition, and new A/C pad, and the conversion of the existing basin to a partial sedimentation/filtration basin.

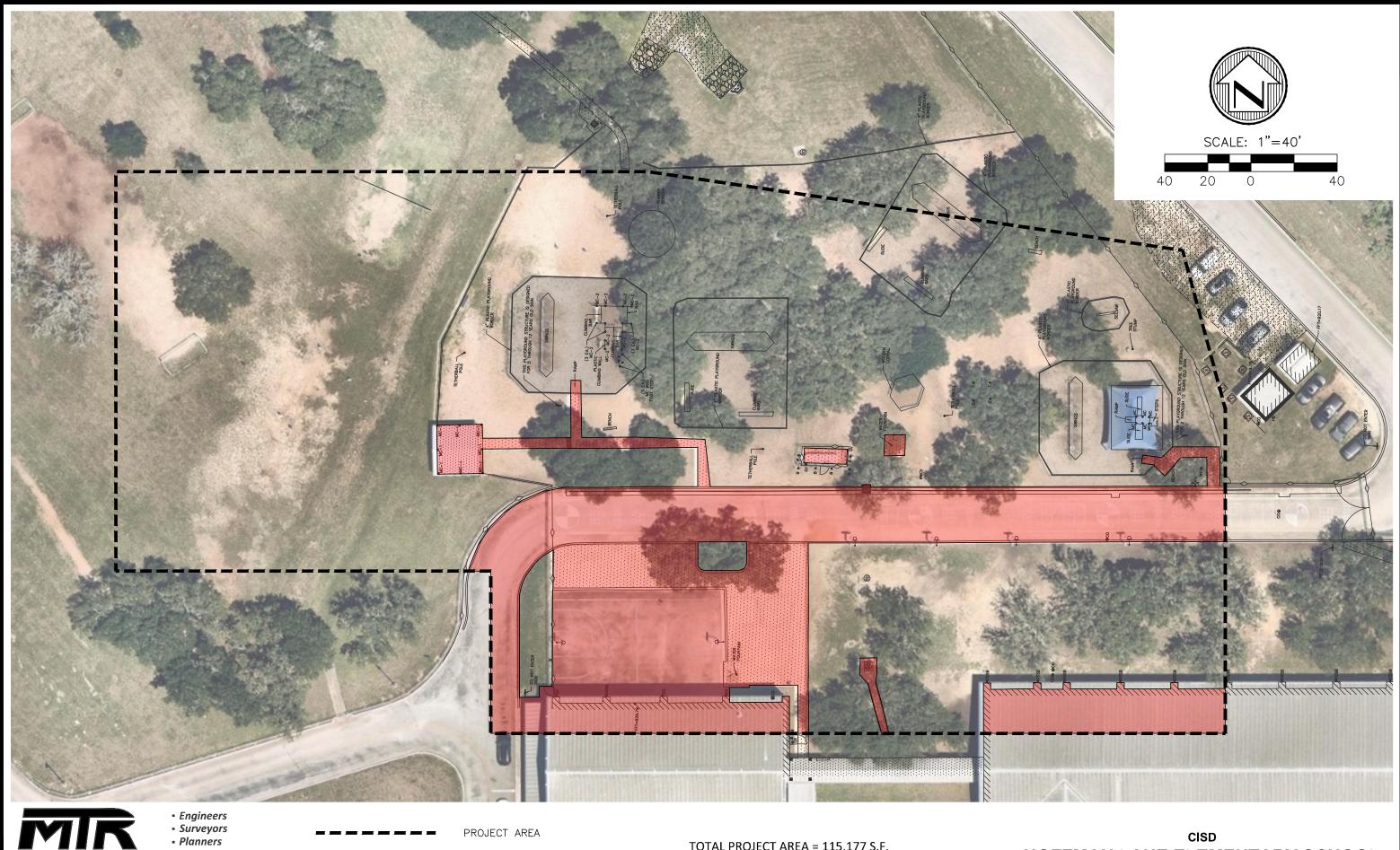
The proposed project will be providing new playground equipment, new rubberized surface, and artificial turf play areas, associated concrete flatwork, and a new concrete outdoor learning pad.

The existing impervious cover for this site was 7.46 acres (34.91%). This project will result in an increase in impervious cover of 23,045 square feet (0.53 acres) for a total of 7.99 acres of impervious cover (37.39%). A portion of the proposed impervious cover is a synthetic turf athletic play field. This athletic play field provides equivalent water protection through the use of an underdrain and liner system. The athletic play field will not accept drainage from parking lots or other impervious areas. The athletic play field comprises 0.19 acres of the 0.53-acre increase in impervious cover, resulting in 0.34 acres of impervious cover that must be treated with permanent BMPs.

The site is located at 4600 FM306, New Braunfels, TX 78132. The property is located in the Edwards Aquifer Recharge Zone.

Current development consists of an Elementary School. The overall acreage of the site is 21.37.

The existing permanent best management practices (BMPs) (Partial Sedimentation/Filtration Basin, VFS) will remain in place. New VFS will treat approximately 0.25 acres of the increase in impervious cover, while the existing basin will treat the remaining 0.09-acre increase in impervious cover.



 Moy Tarin Ramirez Engineers, LLC

 TBPELS ENGINEERING F-5287/SURVEYING F-10131500

 12770 CIMARRON PATH, SUITE 100

 SAN ANTONIO, TEXAS 78249

 FAX: (210) 698-5055

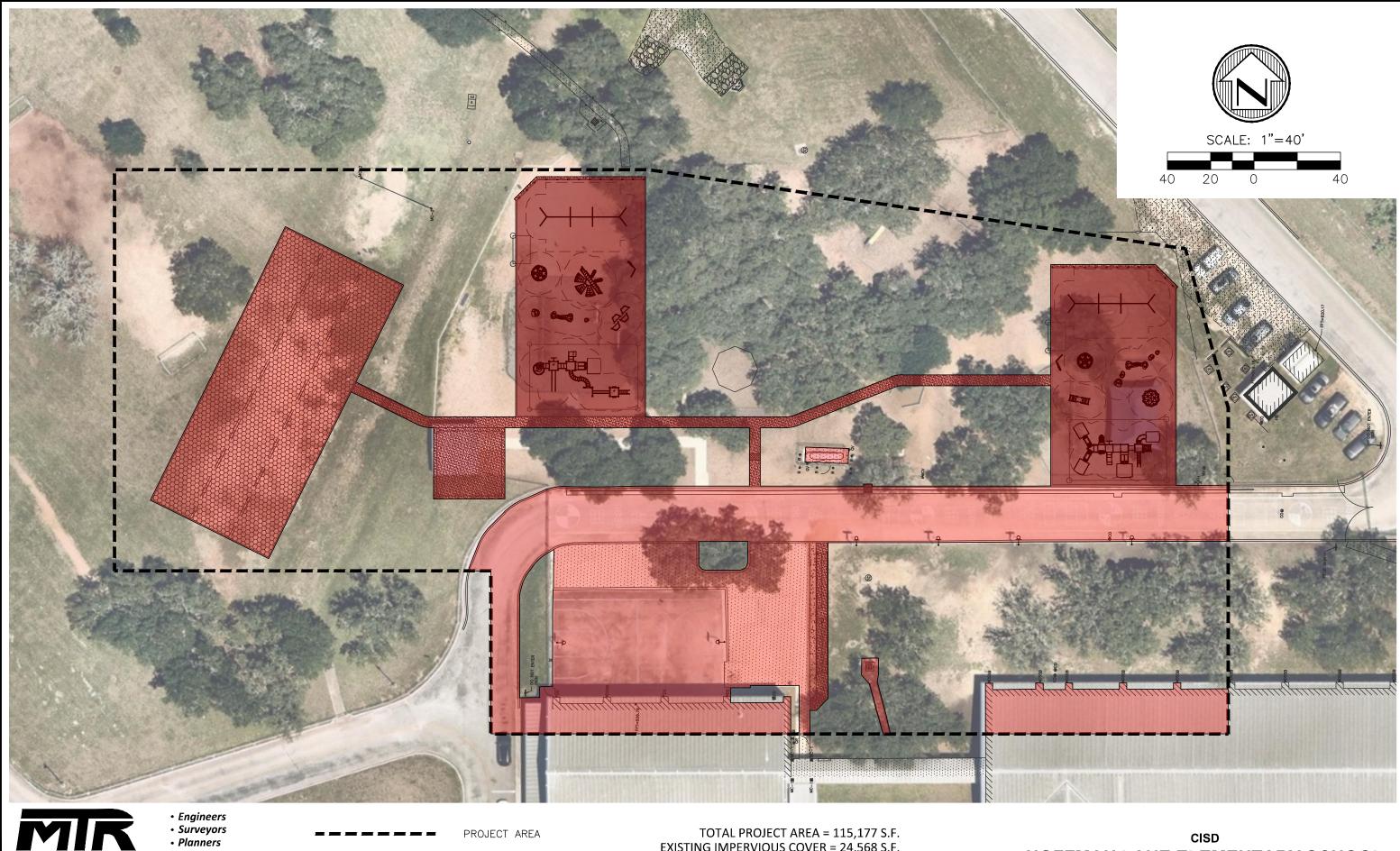


PROJECT AREA

IMPERVIOUS COVER

TOTAL PROJECT AREA = 115,177 S.F. EXISTING IMPERVIOUS COVER = 24,568 S.F.

CISD HOFFMAN LANE ELEMENTARY SCHOOL EXISTING IMPERVIOUS COVER EXHIBIT PROJ. #: 23068 SEPTEMBER 2023





PROJECT AREA

IMPERVIOUS COVER

TOTAL PROJECT AREA = 115,177 S.F. EXISTING IMPERVIOUS COVER = 24,568 S.F. PROPOSED IMPERVIOUS COVER = 47,613 S.F. INCREASE IN IMPERVIOUS COVER = 23,045 S.F.

CISD HOFFMAN LANE ELEMENTARY SCHOOL PROPOSED IMPERVIOUS COVER EXHIBIT PROJ. #:23068 SEPTEMBER 2023

Geologic Assessment for the Hoffman Lane Elementary Tract, Comal County, Texas

SEPTEMBER 2023

PREPARED FOR
Moy Tarin Ramirez Engineers, LLC

PREPARED BY

SWCA Environmental Consultants Texas Board of Professional Geoscientists, Firm Registration No. 50159

GEOLOGIC ASSESSMENT FOR THE HOFFMAN LANE ELEMENTARY SCHOOL, PLAYGROUND UPGRADES COMAL COUNTY, TEXAS

Prepared for

Sean Smith, P.E.

Moy Tarin Ramirez Engineers, LLC

12770 Cimarron Path

San Antonio, Texas 78249

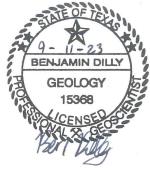
Prepared by

Ben Dilly, P.G. and Philip Pearce, P.G.

SWCA Environmental Consultants Texas Board of Professional Geoscientists, Firm Registration No. 50159 4949 North Loop 1604 West, Suite 235 San Antonio, Texas, 78249 www.swca.com

SWCA Project No. 83868

September 2023



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Table 2.	Nearby water wells showing depth to water (TWDB 2023)
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1 INTRODUCTION

This narrative Geologic Assessment accompanies the Texas Commission on Environmental Quality (TCEQ) Geologic Assessment form TCEQ-0585 completed of two areas of proposed playground improvements within the Hoffman Lane Elementary School located within the Edwards Aquifer Recharge Zone on the north side of FM 306 and on Hoffman Lane in New Braunfels, Texas. This Project Area consists of two areas of proposed playground improvements within the limits of the school property.

2 METHODOLOGY

SWCA scientists studied information sources pertaining to all reputed caves from the Project Area to gather information related to documented caves in the vicinity prior to conducting field work. These information sources include:

- ESRI® ArcGIS® Online Basemap Map Services;
- U.S. Geological Survey (2013) 7.5-minute topographic digital raster graphics;
- Geologic maps (Clark 2016); and
- Mapped fault lines (Collins 2000, Clark 2016).

An SWCA geologist conducted a field survey for a Geologic Assessment on August 29, 2023. The pedestrian survey was completed by traversing parallel transects spaced approximately 30 to 50 feet apart as directed by the Texas Commission on Environmental Quality (TCEQ) (2004) in the *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones* (Rev. 10-01-04). The Project Area is located on an existing elementary school property.

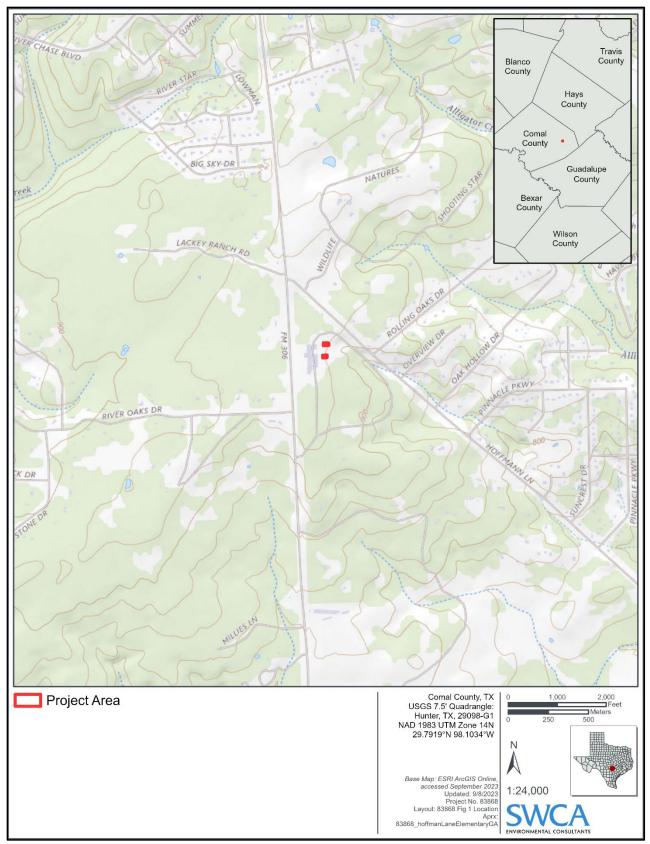


Figure 1. Project Area location map.

3 RESULTS

3.1 **Project Area Overview**

The Project Area lies within the Recharge Zone of the Edwards Aquifer (TCEQ 2023). Project Area topography ranges from approximately 920 feet amsl near the northeast corner of the Project Area, to 925 feet above mean sea level (amsl) at the southwest corner of the Project Area.

The Project Area consists of two areas of proposed playground improvements within an existing, elementary school property. The two areas proposed for improvements include areas that are paved and unpaved. North, east, and west of the Project Area is a single-family residential neighborhood, and south of the site is a sewer lift station followed by a rural home site.

3.2 Geology

The Project Area is underlain by the Cretaceous-age leached and collapsed member of the Person Formation (Kp) of the Edwards Group (Appendix A: Attachment D). Project Area geology has been mapped most recently at a useful scale by Clark et al. (2016) and SWCA finds their interpretation of the geology to be generally accurate. The Stratigraphic Column is included as Attachment B within Appendix A.

The leached and collapsed member of the Person Formation is typically 70-90 ft thick in the study area. The leached and collapsed member consists of crystalline limestone; mudstone to grainstone; chert and collapsed breccia (Clark 2016).

The Project Area occurs along the Balcones Fault Zone (BFZ) within the Edwards Aquifer Recharge Zone (TCEQ 2023). Structural down-warping occurred with the Gulf of Mexico's ancestral formation during the middle Tertiary. The earth's crust was stretched in response and the BFZ formed along a zone of weakness, which currently marks the boundary between the Edwards Plateau and the Gulf Coastal Plain in central Texas. The BFZ is characterized by a series of northeast-trending, predominantly normal, nearly vertical, en echelon faults.

Recharge into the Edwards Aquifer primarily occurs in areas where the Edwards Group and Georgetown Formation are exposed at the surface. Most recharge is from direct infiltration via precipitation and streamflow loss. Recharge occurs predominantly along secondary porosity features such as faults, fractures, and karst features (caves, solution cavities, sinkholes, etc.).

3.3 Soils

The Natural Resources Conservation Service (NRCS) identifies two soil mapping units, Comfort-Rock outcrop complex, 1-8% slopes (CrD), Rumple-Comfort rubbly association, 1-8% slopes (RUD) and within the Project Area (NRCS 2023). This soil types are in the "D" classification of the hydrologic groups, which has a very slow infiltration rate when thoroughly wetted. A map showing the distribution of soil types is included within Appendix A, Attachment D.



Figure 3. Project Area soils map (Natural Resources Conservation Service 2023).

4 HYDROGEOLOGIC ASSESSMENT

The overall potential for fluid migration to the Edwards Aquifer for the Project Area appears relatively low compared to background infiltration rates, due to the presence of paved and landscaped surfaces and a lack of sensitive geologic features.

Water wells drilled in the vicinity of the Project Area are completed in the Edwards and Trinity Aquifers. Table 2 shows water well number, depth to water and distance from the Project Area (TWDB 2023).

Table 1.	Nearby water wells showing depth to water (TWDB 2023).
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ID	Aquifer	Depth To Water (feet)	Year Measured	Distance From Project (miles)
52-48-73	Edwards	247	2019	0.5
36-79-57	Trinity	270	2014	1.5

SWCA did not identify any geologic features within the Project Area.

5 **REFERENCES**

- Barnes, V.E. 1974. Geologic Atlas of Texas, San Antonio Sheet. University of Texas at Austin, Bureau of Economic Geology. Scale 1:250,000.
- Clark, A.K., Golab, J.A., and Morris, R.R., 2016, Geologic framework and hydrostratigraphy of the Edwards and Trinity aquifers within northern Bexar and Comal Counties, Texas, U.S. Geological Survey, Scientific Investigations Map SIM-3366, 1:24,000.
- Collins, E.W., 1993, Geologic map of the New Braunfels East quadrangle, Texas, University of Texas at Austin, Bureau of Economic Geology, Open-File Map OFM0095, 1:24,000.
- Natural Resources Conservation Service (NRCS). 2023. United States Department of Agriculture. Soil Survey Geographic (SSURGO) Database. Available at: http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm. Accessed September, 2023.
- Texas Commission on Environmental Quality. 2004. Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones (Rev. 10-01-04). Austin, Texas. 34 pp.
- ------. 2023. Edwards Aquifer Viewer v5.0. Available online at: https://www.tceq.texas.gov/gis/edwards-viewer.html. Accessed September 2023.
- Texas Water Development Board (TWDB). 2023. Water Data Interactive— Viewer. Available online at: https://www2.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer. Accessed September 2023.
- U.S. Geological Survey. 2022. New Braunfels East, Texas 7.5-minute quadrangle topographic maps.

APPENDIX A

Texas Commission on Environmental Quality (TCEQ) Forms

Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), 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. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Ben Dilly, P.G.

Telephone: 210.877.2847

Fax: 210.877.2848

Date: <u>9/11/2023</u>

Representing: <u>SWCA Environmental Consultants (TBPG Firm Registration #50159)</u> (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Ben Pilly

Regulated Entity Name: Hoffman Lane Elementary, Playground Updrades

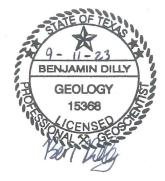
Project Information

- 1. Date(s) Geologic Assessment was performed: <u>August 29, 2023</u>
- 2. Type of Project:

WPAP

3. Location of Project:

Recharge Zone



1 of 3

TCEQ-0585 (Rev.02-11-15)

Contributing Zone within the Transition Zone

- 4. Attachment A Geologic Assessment Table. Completed Geologic Assessment Table (Form TCEQ-0585-Table) is attached.
- 5. Soil cover on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups* (Urban Hydrology for Small Watersheds, Technical Release No. 55, Appendix A, Soil Conservation Service, 1986). If there is more than one soil type on the project site, show each soil type on the site Geologic Map or a separate soils map.

Soil Name	Group*	Thickness(feet)
Comfort-Rock		
outcrop		
complex, 1-8%		
slopes	D	1-2
Rumple-Comfort		
rubbly		
association, 1-		
8% slopes	D	1-2

Table 1 - Soil Units, InfiltrationCharacteristics and Thickness

Soil Name	Group*	Thickness(feet)				

* Soil Group Definitions (Abbreviated)

- A. Soils having a high infiltration rate when thoroughly wetted.
- B. Soils having a moderate infiltration rate when thoroughly wetted.
- C. Soils having a slow infiltration rate when thoroughly wetted.
- D. Soils having a very slow infiltration rate when thoroughly wetted.
- 6. Attachment B Stratigraphic Column. A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
- 7. Attachment C Site Geology. A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
- 8. Attachment D Site Geologic Map(s). The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'

Applicant's Site Plan Scale: 1'' = 20'Site Geologic Map Scale: 1'' = 20'Site Soils Map Scale (if more than 1 soil type): 1'' = 416'

9. Method of collecting positional data:

Global Positioning System (GPS) technology.

Other method(s). Please describe method of data collection:

- 10. The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
- 11. Surface geologic units are shown and labeled on the Site Geologic Map.
- 12. Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
 - Geologic or manmade features were not discovered on the project site during the field investigation.
- 13. The Recharge Zone boundary is shown and labeled, if appropriate.
- 14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
 - There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)

The wells are not in use and have been properly abandoned.

The wells are not in use and will be properly abandoned.

The wells are in use and comply with 16 TAC Chapter 76.

 \square There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

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

ATTACHMENT A

Geologic Assessment Table

GEOLOGIC ASSESSMENT TABLE PROJECT NAME: Hoffman Lane Elementary Tract																				
	LOCATION	N			FEATURE CHARACTERISTICS								EVALUATION			PHYSICA		L SETTING		
1A	1B *	1C*	2A	2B	3	4		5	5A	6	7	8A	8B	9	10		11		12	
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)		TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY	
						х	Y	Z		10						<40	<u>>40</u>	<1.6	<u>>1.6</u>	
				No Re	charge l	Feat	ures	were	observe	ed w	ithin th	ie proje	ct limit	S.						

* DATUM: NAD83

2A TYPE	ТҮРЕ	2B POINTS
С	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
0	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

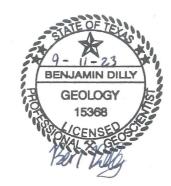
8A INFILLING						
Ν	None, exposed bedrock					
с	Coarse - cobbles, breakdown, sand, gravel					
0	Loose or soft mud or soil, organics, leaves, sticks, dark colors					
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors					
V	Vegetation. Give details in narrative description					
FS	Flowstone, cements, cave deposits					
Х	Other materials					

12 TOPOGRAPHY Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

pen Rilly

Date 9/FF/2023



Sheet 1 of 1

TCEQ-0585-Table (Rev. 10-01-04)

ATTACHMENT B

Stratigraphic Column

Stratigraphic Column

Note: The shaded areas represent the lithology that outcrops on the property.¹

sn				Navarro and Taylor Groups, undivided; 600 feet thick	
Upper Cretaceous	Upper Confining Units			Austin Group; 130-150 feet thick Eagle Ford Group; 30-50 feet thick Buda Limestone; 40-50 feet thick	
				Del Rio Clay; 40-50 feet thick	
	I			Georgetown Formation	10-40 feet thick
	II		Edwards Aquifer ards Group	Person Formation; 170-200 feet thick	Cyclic and Marine member, undivided
S	III	quifer			Leached and Collapsed member, undivided
aceou	IV	ards A			Regional Dense member
Lower Cretaceous	A AI Edwards Ac Edwards Ac	Edwa	Kainer Formation;	Grainstone member	
Low	VI		E	260-310 feet thick	Kirschberg Evaporite member
	VII				Dolomitic member
	VIII				Basal Nodular member
	Lower Confining Units			Glen Rose Formation; 3	50-500 feet thick

¹ Blome, C.D., Faith, J.R., Pdraza, D.E, Ozuna, G.B, Cole, J.C., Clark, A.K., Small, T.A., and Morris, R.R. 2005. Geologic map of the Edwards aquifer recharge zone, south-central-Texas. U.S. Geological Survey SIM-2873. Scale 1:200,000.

ATTACHMENT C

Narrative Description of Geology

Please refer to section 3.2 of this report for geologic narrative description.

ATTACHMENT D

Site Geologic Map and Soils Map



hy

Please refer to section 3.3 of this report for the soils map.

ATTACHMENT E

Photographic Log



Photograph 1. Representative view of the Project Area.



Photograph 2. Representative view of the Project Area.



Photograph 3. Sewer lift station to the south of the Project Area.

Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Transition Zone and Relating to 30 TAC 213.4(j), 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 request for a **Modification of a Previously Approved Plan** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Sean Smith, P.E.

Date: <u>9/21/2023</u>

Signature of Customer/Agent:

Project Information

1. Current Regulated Entity Name: <u>COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL</u> Original Regulated Entity Name: <u>COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL</u> Regulated Entity Number(s) (RN): <u>101281202</u>

Edwards Aquifer Protection Program ID Number(s): ____

The applicant has not changed and the Customer Number (CN) is: 600249825

- The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
- 2. Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.

3. A modification of a previously approved plan is requested for (check all that apply):

Physical or operational modification of any water pollution abatement structure(s)
including but not limited to ponds, dams, berms, sewage treatment plants, and
diversionary structures;

Change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;

Development of land previously identified as undeveloped in the original water pollution abatement plan;

Physical modification of the approved organized sewage collection system;

] Physical modification of the approved underground storage tank system;

Physical modification of the approved aboveground storage tank system.

4. Summary of Proposed Modifications (select plan type being modified). If the approved plan has been modified more than once, copy the appropriate table below, as necessary, and complete the information for each additional modification.

WPAP Modification	Approved Project	Proposed Modification
Summary		
Acres	See Attached Summary	<u>21.37</u>
Type of Development		Elementary School
Number of Residential		<u>N/A</u>
Lots		
Impervious Cover (acres)		<u>7.99</u>
Impervious Cover (%		<u>37.39</u>
Permanent BMPs		VFS/Partial SFB
Other		<u>N/A</u>
SCS Modification	Approved Project	Proposed Modification
Summary		
Linear Feet		
Pipe Diameter		
Other		

AST Modification	Approved Project	Proposed Modification
Summary		
Number of ASTs		
Volume of ASTs		
Other		
UST Modification	Approved Project	Proposed Modification
UST Modification Summary	Approved Project	Proposed Modification
-	Approved Project	Proposed Modification
Summary	Approved Project	Proposed Modification

- 5. Attachment B: Narrative of Proposed Modification. A detailed narrative description of the nature of the proposed modification is attached. It discusses what was approved, including any previous modifications, and how this proposed modification will change the approved plan.
- 6. Attachment C: Current Site Plan of the Approved Project. A current site plan showing the existing site development (i.e., current site layout) at the time this application for modification is attached. A site plan detailing the changes proposed in the submitted modification is required elsewhere.
 - The approved construction has not commenced. The original approval letter and any subsequent modification approval letters are included as Attachment A to document that the approval has not expired.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was constructed as approved.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was **not** constructed as approved.

The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was constructed as approved.

- The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was **not** constructed as approved.
- 7. The acreage of the approved plan has increased. A Geologic Assessment has been provided for the new acreage.
 - 🛛 Acreage has not been added to or removed from the approved plan.
- 8. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

ATTACHMENT A

ORIGINAL AND MODIFICATION APPROVAL LETTERS

Robert J. Huston, *Chairman* R. B. "Ralph" Marquez, *Commissioner* John M. Baker, *Commissioner* Jeffrey A. Saitas, *Executive Director*



Doc# 200006013543

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

April 26, 2000

Mr. Roy Linnartz Comal Independent School District 278 Loop 337 New Braunfels, TX 78130

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: Comal ISD - Hoffman Lane Elementary School; Located on the east side of FM 306, approximately 1,500' south of intersection with Hoffman Lane; Comal County, Texas TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer Edwards Aquifer Protection Program File No. 1455.00

Dear Mr. Linnartz:

The Texas Natural Resource Conservation Commission (TNRCC) has completed its review of the WPAP application for the referenced project submitted to the San Antonio Regional Office by Russell Masters of AlianzA, LLC on behalf of the Comal Independent School District on March 9, 2000. Final review of the WPAP submittal was completed after additional material was received on April 12, 2000. As presented to the TNRCC, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer protection plan, modification to a plan, or exception. A motion for reconsideration must be filed no later than 20 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10% of the construction has commenced on the project or an extension of time has been requested.

PROJECT DESCRIPTION

The proposed school project will have an area of approximately 21.37 acres and will have the following parameters:

- The development will include buildings for classrooms, administration, gymnasium, water well and pump house, and associated parking.
- The proposed impervious cover for the development is approximately 28% of the total area of the site.
- The impervious cover for this school site will be 5.98 acres.
- According to the application, wastewater will be disposed of through the use of on-site sewage facilities. The flow anticipated will be 6,400 gallons per day (gpd). thus exceeding the County Permitting threshold of 5,000 gpd and consequently requiring a TNRCC Permit.

REPLY TO: RECION 13 • 140 HEIMER RD., STE. 360 • SAN ANTONIO, TEXAS 78232-5042 • 210/490-3096 • FAX 210/545-4329

Doc# 200006013543

Mr. Roy Linnartz April 26, 2000 Page 2

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent pollution of stormwater runoff originating on-site or up-gradient of the site and potentially flowing across and off the site after construction, one sedimentation/filtration basin and three vegetated filter strips will be provided. The individual treatment components will consist of:

- 1. The full sedimentation/filtration basin is designed in accordance with the 1999 edition of the TNRCC's "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices." and is sized to capture the first 0.49 inches of stormwater run-off from 10.83 acres, providing a total capture volume of 30,202 cubic feet. The filtration system will consist of:
 - A. 1575 square feet of sand, which is 18 inches thick,
 - B. an underdrain piping wrapped with geotextile membrane, and
 - C. an impervious liner.
- 2. Three vegetative filter strips are designed in accordance with the 1999 edition of the TNRCC's "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices." The filter strips will:
 - A. be contiguous with developed area,
 - B. be at the same elevation as the developed area,
 - C. have a level spreading device, and
 - D. be sized to filter stormwater run-off from the areas shown in the table below.

Drainage Area	Contributing Area (Acres)	Vegetated Filter Provided (Acres)
1	0.200	0.113
2	0.290	0.165
3	0.034	0.031

GEOLOGY

According to the geologic assessment included with the submittal, there are three possibly sensitive features located on the project site. The San Antonio Regional Office site inspection of April 5, 2000, revealed that the site is as described by the geologic assessment and no additional geologic or manmade features were observed.

SPECIAL CONDITIONS

- I. Under 30 TAC §213.6(a)(4), new land application wastewater treatment plants located on the recharge zone must be designed, constructed, and operated such that there are no bypasses of the treatment facilities or any discharges of untreated or partially treated wastewater.
- II. Under 30 TAC §213.6(b) Land application systems.

Mr. Roy Linnartz April 26, 2000 Page 3

(1) Except for licensed private sewage facilities, land application systems that rely on percolation for wastewater disposal are prohibited on the recharge zone.

(2) Wastewater disposal systems for disposal of wastewater on the recharge zone utilizing land application methods, such as evaporation or irrigation, will be considered on a case-bycase basis. At a minimum, those systems must attain secondary treatment as defined in Chapter 309 of this title (relating to Effluent Limitations).

- III. Upon receipt of an approved wastewater permit for the site, provide four copies of the approved permit to the San Antonio Regional Office.
- IV. Prior to occupancy of the school and use of the treatment system, provide written certification from a Texas Licensed Professional Engineer that the wastewater treatment system meets the requirements of 30 TAC §213.6(a)(4) and 30 TAC §213.6(b), and that it has been constructed as designed and approved.
- V. After the wastewater treatment system has been in operation for six months, provide a follow-up assessment of the system's environmental impact on the Edwards Aquifer, certified by a Texas Licensed Professional Engineer. This assessment is due two months after the end of the six month period.
- VI. The sedimentation/filtration basin is designed in accordance with the 1999 edition of the TNRCC's "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices." The basin will incorporate sedimentation and filtration as described above.
- VII. All sediment and or media removed from the full sedimentation/filtration basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335 as applicable.

STANDARD CONDITIONS

1. Pursuant to §26.136 of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

- 2. Within 60 days of receiving written approval of an Edwards Aquifer protection plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries, covered by the Edwards Aquifer protection plan, shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TNRCC-0625) that you may use to deed record the approved WPAP is enclosed.
- 3. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- 4. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of

Doc# 200006013543

Mr. Roy Linnartz April 26, 2000 Page 4

appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.

- 5. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and file number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension of an approved plan.
- 6. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TNRCC may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
- 7. Abandoned injection wells must be closed under the requirements of 30 TAC Chapter 331 (relating to Underground Injection Control).
- 8. All borings with depths greater than or equal to 20 feet must be plugged with a non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

- 9. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 10. If any sensitive feature is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 11. Two wells exist on the site. All identified abandoned water wells, including injection, dewatering, and monitoring wells must be plugged pursuant to requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Licensing and Regulation of Water Well Drillers and Water Well Pump Installers) and all other locally applicable rules, as appropriate. If any abandoned wells (including water, injection (injection well referenced in Item 7), dewatering, and monitoring well) are encountered during construction, they must be plugged pursuant to requirements of the Texas Department of Licensing and Regulation (16 TAC Chapter 76) and all other locally applicable rules, as appropriate.

Doc# 200006013543

Mr. Roy Linnartz April 26, 2000 Page 5

- 12. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. 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).
- 13. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 14. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
- 15. To the maximum extent practicable, BMPs and measures must maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction. 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. A request to temporarily seal the feature must include a justification that no reasonable and practicable alternative exists. The request will be evaluated by the executive director on a case-by-case basis.

After Completion of Construction:

- 16. Owners of permanent BMPs and measures must insure that the 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 San Antonio Regional Office within 30 days of site completion.
- 17. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TNRCC-10263) is enclosed.
- 18. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 19. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50% of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San

Mr. Roy Linnartz April 26, 2000 Page 6

Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.

20. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact John Mauser of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210/403-4024.

Sincerely,

Jeffrey A. Sattas, P.E. Executive Director Texas Natural Resource Conservation Commission

JAS/JKM/eg

Enclosure: Deed Recordation Affidavit, Form TNRCC-0625 Change in Responsibility for Maintenance or Permanent BMPs-Form TNRCC-10263

cc: Mr. Russell Masters, AlianzA, LLC Mr. John Bohuslav, TXDOT San Antonio District Mr. Tom Hornseth, Comal County Mr. Greg Ellis, Edwards Aquifer Authority TNRCC Field Operations, Austin Robert J. Huston, *Chairman* R. B. "Ralph" Marquez, *Commissioner* Kathleen Hartnett White, *Commissioner* Margaret Hoffman, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 17, 2003

Mr. Guillermo Nieri Comal Independent School District 278 Loop 337 New Braunfels, TX, 78130

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: Comal ISD - Hoffman Lane Elementary School; Located on the northeast side of FM 306 at Hoffman Lane; New Braunfels, Texas TYPE OF PLAN: Request for Modification of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer Edwards Aquifer Protection Program File No. 1455.00

Dear Mr. Nieri:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for modification of the approved WPAP for the referenced project submitted to the San Antonio Regional Office by Harold L. Millegan, P.E. of Lockwood, Andrews, & Newnam, Inc. on behalf of Comal Independent School District on February 21,2003. Final review of the WPAP submittal was completed after additional material was received on June 18, 2003. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer protection plan. A motion for reconsideration must be filed no later than 20 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

PROJECT DESCRIPTION

This facility was previously approved by letter dated April 26, 2000. As presented, the proposed modification will consist of the following changes:

- 1. The basin liner will be reinforced concrete rip-rap instead of clay.
- 2. The sedimentation basin dimensions have been altered. The storage volume for the basin is 23,116 cubic feet.
- 3. A maintenance access ramp, drainpipes, and gate valves were added to the sand filtration basin.

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- 4. The weir/emergency spillway has been downsized and moved, and the inflow structure from the underground storm drain system has been modified.
- 5. The vegetated filter strip for the north access road (Drainage Area 3) and the water storage facility has been resized.
- 6. The percent impervious cover of the site was changed from 27.98% to 28.80%.
- 7. Wastewater will be disposed of by an on-site sewage facility with a drip irrigation disposal system instead of a new wastewater treatment plant. According to Comal County Permit Number 81995 issued March 21, 2001, by the office of the Comal County Engineer, the site is acceptable for the use of on-site sewage facilities.
- 8. Nine weep holes located below the sand filter in the filtration chamber will be plugged to make a watertight seal.

PERMANENT POLLUTION ABATEMENT MEASURES

A full sedimentation/filtration basin and two vegetated filter strips designed using the TNRCC technical guidance document, *Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices* (June 1999) will be constructed to treat storm water runoff. The basin treating Drainage Area 1 is designed to provide treatment for 10.83 acres of the site with a minimum capture volume of 23,116 cubic feet and a minimum sand filter area of 2,238 square feet. The Drainage Area 2 vegetated filter strip of 4,350 square feet is designed to provide treatment for 0.2 acres of impervious cover. The Drainage Area 3 vegetated filter strip of 10,800 square feet is designed to provide treatment for 0.496 acres of impervious cover. The approved measures have been presented to meet the required 80 percent removal of the increased load in total suspended solids caused by the project.

SPECIAL CONDITIONS

- I. All sediment and or media removed from the partial sedimentation/filtration basins during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335 as applicable.
- II. Please note that for full sedimentation/filtration basins, the Technical Guidance Manual on Best Management Practices (1999 edition), suggests using the valve in Section 3.4.7 and Figure 3.14 for the purpose of isolating the sedimentation basin in case of a hazardous material spill in the watershed.

STANDARD CONDITIONS

1. Pursuant to §26.136 of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

2. Within 60 days of receiving written approval of an Edwards Aquifer protection plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed

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records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries, covered by the Edwards Aquifer protection plan, shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.

- 3. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- 4. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
- 5. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and file number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension of an approved plan.
- 6. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
- 7. Abandoned injection wells must be closed under the requirements of 30 TAC Chapter 331 (relating to Underground Injection Control).
- 8. All borings with depths greater than or equal to 20 feet must be plugged with a non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

9. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.

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- 10. If any sensitive feature is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 11. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 12. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. 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).
- 13. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 14. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
- 15. To the maximum extent practicable, BMPs and measures must maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction. 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. A request to temporarily seal the feature must include a justification that no reasonable and practicable alternative exists. The request will be evaluated by the executive director on a case-by-case basis.

After Completion of Construction:

- 16. Owners of permanent BMPs and measures must insure that the 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 San Antonio Regional Office within 30 days of site completion.
- 17. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations

in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

- 18. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 19. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50% of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 20. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact Lynn M. Bumguardner of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210/403-4023.

Sincerely,

D. Callwell tobley

Margaret Hoffman Executive Director Texas Commission on Environmental Quality

MH/LMB/eg

Enclosure: Deed Recordation Affidavit, Form TCEQ-0625 Change in Responsibility for Maintenance or Permanent BMPs-Form TCEQ-10263

cc: Mr. Philip Johnson, Lockwood, Andrews & Newnam, Inc. Mr. John Bohuslav, TXDOT San Antonio District Mr. Tom Hornseth, Comal County Mr. Greg Ellis, Edwards Aquifer Authority TCEQ Central Records, Building F, MC 212

> STATE OF TEXAS COUNTY OF COMAL

This is to certify that this document was FILED and RECORDED in the Official Public Records of Comal County, Texas on the date and time stamped thereon.



attester COUNTY CLERK

Doc# 200306023662 # Pages 7 07/03/2003 08:08:44 AM Filed & Recorded in Official Records of COMAL COUNTY JOY STREATER COUNTY CLERK

Fees \$21.99

EXHIBIT "A"

Bryan W. Shaw, Ph.D., *Chairman* Buddy Garcia, *Commissioner* Carlos Rubmstein, *Commissioner* Mark R. Vickery, P.G., *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 9, 2009

Mr. Thomas Bloxham Comal Independent School District 1404 1-35N New Braunfels, Texas 78132

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: Comal ISD Hoffman Lane Elementary School: Located at 4600 FM 306; New Braunfels, Texas

TYPE OF PLAN: Request for Modification of a Water Pollution Abatement Plan (WPAP): 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer

Edwards Aquifer Protection Program ID No.: 1455.06; Investigation No. 766276; Regulated Entity No. RN101281202

Dear Mr. Bloxham

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for modification of the approved WPAP for the above-referenced project submitted to the San Antonio Regional Office by Moy Civil Engineers on behalf of Comal Independent School District on August 13, 2009. Final review of the WPAP was completed after additional material was received on October 7, 2009. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were scaled, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) vectors from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

By letter dated April 26, 2000, approval was granted for buildings for classroom, administration, gymnasium, water well and pump house, and associated parking. The proposed imperious cover for the development is 5.98 acres. The project wastewater was disposed by the use of on-site sewage facilities.

By letter dated June 17, 2003, approval was granted for the basin liner to be reinforced concrete rip-rap instead of clay. The sedimentation basin dimensions were also altered. The resulting storage volume for the basin is 23,116 cubic feet. A maintenance access ramp, drainpipes, and gate valves were added to the full size sedimentation/filtration basin, the weir/emergency spillway had been downsized and moved, and the inflow structure from the underground storm drain system had been modified. Ninc weep holes located below the sand filter in the filtration chamber were plugged to make a watertight seal. The

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vegetated filter strip from the north access road (Drainage Area 3) and the water storage facility was to be resized. The impervious cover changed from 27.98% to 28.8%. The wastewater was to be disposed of by an on-site sewage facility with a drip irrigation disposal system instead of a new wastewater treatment plant.

MODIFICATIONS

As understood, the submitted modification application is for change in impervious cover to 7.46 acres from previously approved 6.15 acres (EAPP No. 1455.04).

PROJECT DESCRIPTION

The proposed project will have an area of approximately 21.37 acres. It will include a building addition, an A/C pad and modifications to an existing full size sedimentation/filtration basin. The impervious cover will be 7.46 acres (34.9 percent). According to a letter dated, August 16, 2002, signed by Comal County Office of Comal County Engineer, the site in the development is acceptable for the use of on-site sewage facilities.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a partial sedimentation/filtration basin, designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules</u> <u>Technical Guidance on Best Management Practices</u> (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 6,697 pounds of TSS generated from the 7.46 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The individual treatment measures will consist of a sand filter basin designed for a watershed area of 10.83 acres having 7.46 acres of impervious cover. The basin will have a capture volume of 38,257 cubic feet (34,705 cubic feet required) and a sand filter area of 3,034 square feet (2,892 square feet required). The concrete lined basin will have a water depth of four feet and filter media composed of eighteen inches of sand separated by geotextile fabric from six inches of gravel over the perforated PVC piping system.

GEOLOGY

According to the geologic assessment included with the submittal, there are three possibly sensitive features located on the project site. The San Antonio Regional Office site inspection of April 5, 2000, revealed that the site is as described by the geologic assessment and no additional geologic or manmade features were observed.

SPECIAL CONDITIONS

- 1. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated June 17, 2003.
- II. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- III. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

- 1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
- 2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
- 3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

- 4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.
- 5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- 6. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
- 7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
- 8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
- 9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole



must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

- 10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 13. One well exists on site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 14. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 15. Intentional discharges of sediment laden storm water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.



After Completion of Construction:

- 18. 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 San Antonio Regional Office within 30 days of site completion.
- 19. The applicant shall be 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. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact Stacy Tanner of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210/403-4078.

Sincerely,

Mark R. Vickery, P.G. Executive Director Texas Commission on Environmental Quality

MRV/SMT/eg

Enclosures: Deed Recordation Affidavit, Form TCEQ-0625 Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

Mr. Duane A. Moy, P.E., Moy Civil Engineers
 Mr. Jim Klein, P.E., City of New Braunfels
 Mr. Tom Hornseth, P.E., Comal County
 Ms. Velma Danielson, Edwards Aquifer Authority
 TCEQ Central Records, Building F, MC212

ATTACHMENT B

NARRATIVE OF PROPOSED MODIFICATION

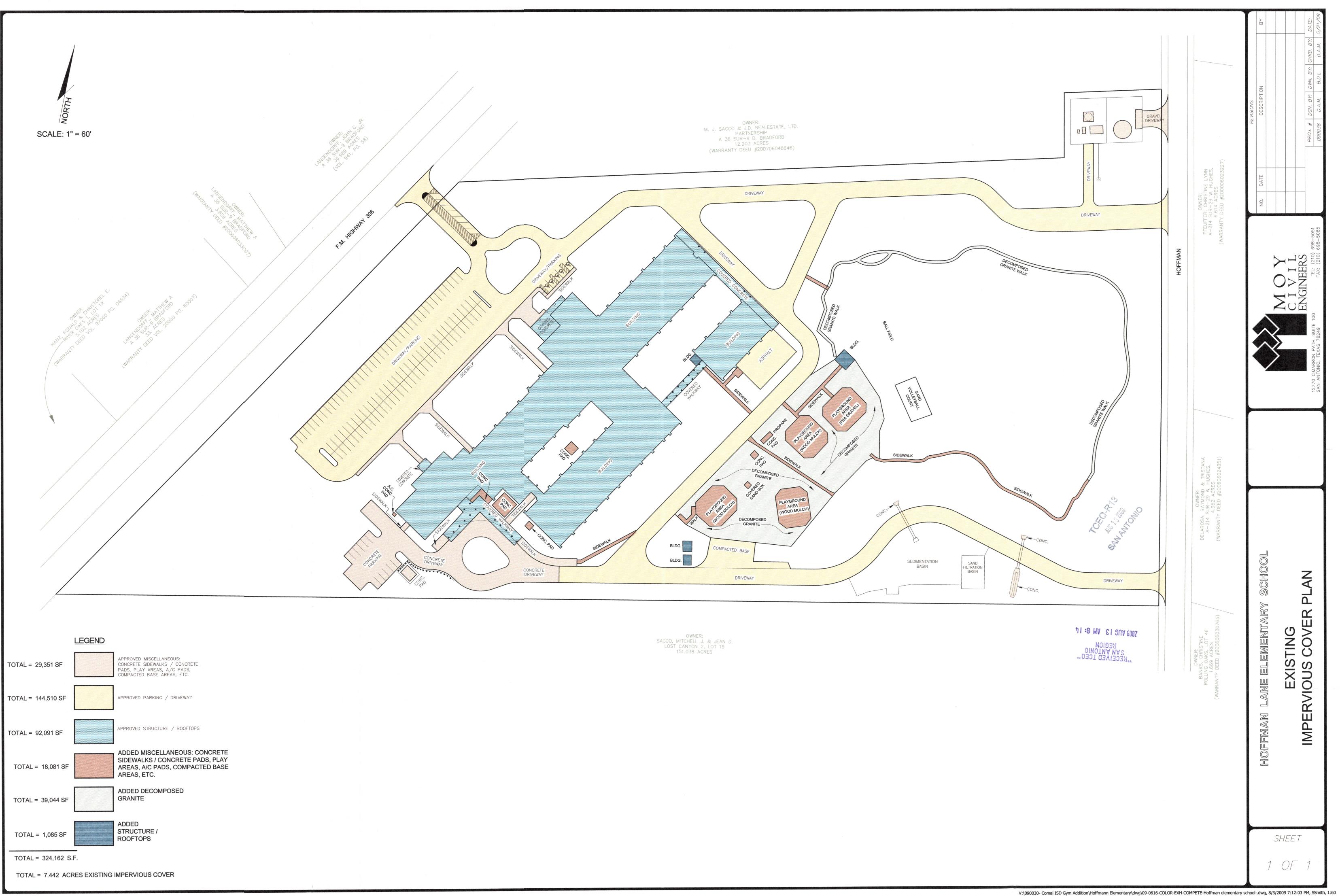
A Water Pollution Abatement Plan (WPAP) was first approved by the Texas Commission on Environmental Quality on April 26, 2000. The plan was modified on June 17, 2003 to reinforce the existing full sedimentation/filtration basin. The plan was modified again on October 9, 2009 for a building addition, and new A/C pad, and the conversion of the existing basin to a partial sedimentation/filtration basin.

This proposed modification will consist of the demolition and construction of playground equipment, new rubberized surface playgrounds, a new synthetic turf athletic play field, and associated concrete flatwork. The increase in impervious cover associated with these improvements will be treated with a combination of the existing partial sedimentation/filtration basin and new engineered vegetative filter strips. The proposed impervious cover for the site will be 7.99 acres (37.39%), an increase of 0.53 acres from the previous WPAP modification approval.

The synthetic turf athletic play field comprises 0.19 acres of this increase and provides equivalent water protection. Therefore, only 0.34 acres of the increase in impervious cover require treatment with permanent BMPs.

ATTACHMENT C

CURRENT SITE PLAN OF THE APPROVED PROJECT



Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b), Effective June 1, 1999

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

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

Signature

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

Print Name of Customer/Agent: Sean Smith, P.E.

Date: <u>9/21/2023</u>

Signature of Customer/Agent:

Regulated Entity Name: COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL

Regulated Entity Information

- 1. The type of project is:
 - Residential: Number of Lots:
 Residential: Number of Living Unit Equivalents:
 Commercial
 Industrial
 - Other:<u>Elementary School</u>
- 2. Total site acreage (size of property):21.37
- 3. Estimated projected population: +/- 800
- 4. The amount and type of impervious cover expected after construction are shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	93,780	÷ 43,560 =	2.15
Parking	144,510	÷ 43,560 =	3.32
Other paved surfaces	109737	÷ 43,560 =	2.52
Total Impervious Cover	348,027	÷ 43,560 =	7.99

Table 1 - Impervious Cover Table

Total Impervious Cover 7.99 ÷ Total Acreage 21.37 X 100 = 37.39% Impervious Cover

- 5. Attachment A Factors Affecting Surface Water Quality. A detailed description of all factors that could affect surface water and groundwater quality that addresses ultimate land use is attached.
- 6. \square Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

For Road Projects Only

Complete questions 7 - 12 if this application is exclusively for a road project.

7. 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.

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

Concrete Asphaltic concrete pavement Other:

9. Length of Right of Way (R.O.W.): _____ feet.

Width of R.O.W.: _____ feet. L x W = _____ $Ft^2 \div 43,560 Ft^2/Acre = _____ acres.$

10. Length of pavement area: _____ feet.

Width of pavement area: _____ feet.L x W = ____ $Ft^2 \div 43,560 Ft^2/Acre = ____ acres.Pavement area _____ acres \div R.O.W. area ____ acres x 100 = ____% impervious cover.$

11. A rest stop will be included in this project.

A rest stop will not be included in this project.

12. 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

13. Attachment B - 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 the 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

14. The character and volume of wastewater is shown below:

<u>100</u> % Domestic	<u>6400</u> Gallons/day
% Industrial	Gallons/day
% Commingled	Gallons/day
TOTAL gallons/day <u>6400</u>	

15. Wastewater will be disposed of by:

\boxtimes	On-Site Sewage	Facility	(OSSF/Septic	Tank):
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\times	Attachment C - 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):

- Private service laterals from the wastewater generating facilities will be connected to an existing SCS.
- Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.

The SCS was previously submitted on_____.

-] The SCS was submitted with this application.
-] The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

The sewage collection system will convey the wastewater to the _____ (name) Treatment Plant. The treatment facility is:

Existing.
Proposed

16. All private service laterals will be inspected as required in 30 TAC §213.5.

Site Plan Requirements

Items 17 – 28 must be included on the Site Plan.

17. \square The Site Plan must have a minimum scale of 1" = 400'.

Site Plan Scale: 1" = <u>40</u>'.

18. 100-year floodplain boundaries:

Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.

No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): <u>48091C0290F effective 9/2/2009</u>

19. 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, open space, etc. are shown on the plan.

The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, open space, etc. are shown on the site plan.

20. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):

There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)

] The wells are not in use and have been properly abandoned.

] The wells are not in use and will be properly abandoned.

] The wells are in use and comply with 16 TAC §76.

There are no wells or test holes of any kind known to exist on the project site.

- 21. Geologic or manmade features which are on the site:
 - All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.

No sensitive geologic or manmade features were identified in the Geologic Assessment.

Attachment D - Exception to the Required Geologic Assessment. A request and justification for an exception to a portion of the Geologic Assessment is attached.

- 22. The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. 🖂 Areas of soil disturbance and areas which will not be disturbed.
- 24. 🔀 Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. 🛛 Locations where soil stabilization practices are expected to occur.
- 26. Surface waters (including wetlands).

🖂 N/A

- 27. Locations where stormwater discharges to surface water or sensitive features are to occur.
 - There will be no discharges to surface water or sensitive features.
- 28. 🛛 Legal boundaries of the site are shown.

Administrative Information

- 29. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- 30. Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

ATTACHMENT A FACTORS AFFECTING WATER QUALITY

Landscaping, vehicular traffic, and various construction activities may affect the quality of stormwater originating on the proposed site. These factors may cause small amounts of oil, grease, suspended solids, fertilizers, and pesticides to enter into the stormwater runoff. However, temporary BMPs have been designed on the basis of the Technical Guidance Manual to treat the required amount of stormwater runoff as to not adversely affect water quality entering into any surface water or groundwater.

ATTACHMENT B VOLUME AND CHARACTER OF STORMWATER

<u>Volume</u>

The rational method (Q=CIA) was used to calculate the 25-year storm event. The following areas and volumes were calculated:

On-Site Drainage Area A

Existing Conditions Area = 12.39 acres Impervious Cover = 5.91 acres Runoff Coefficient = 0.73 Percent Impervious = 47.71% Q₂₅ = 81.95 cfs Proposed Conditions Area = 12.39 acres Impervious Cover = 6.44 acres Runoff Coefficient = 0.75 Percent Impervious = 51.98% Q₂₅ = 84.09 cfs

Character of Storm Water

Stormwater runoff generated from the site during construction will be typical of an elementary school educational facility with buildings, parking lots, and basin maintenance projects. The runoff should consist of small amounts of suspended solids created by sediments from disturbed soils, construction dust, sawdust and hydrocarbons from construction equipment. Temporary BMP's have been selected from the TCEQ Publication, "Complying with the Edwards Aquifer Rules: Technical Guidance for Best Management Practices," to treat the required volume and character of storm water runoff to remove the increased total suspended solids (TSS) due to the proposed maintenance activities. Permanent stabilization of areas where soil is disturbed by construction activities will be accomplished by solid sodding in those areas.

Stormwater runoff generated after construction is complete will also be typical of an elementary school educational facility. The runoff will contain sediments from rooftops, driveways, parking lots, sidewalks, landscape areas, and other miscellaneous impervious areas from the site. The runoff may contain small amounts of oil, grease, suspended solids, fertilizers, and pesticides. The post construction runoff will be treated through the existing partial sedimentation/filtration basin and new engineered VFS.

Comal County OFFICE OF COMAL COUNTY ENGINEER

License to Operate On-site Sewage Treatment and Disposal Facility

Date Issued: 8/16/2002

Permit Number: 81995

Attachment

Location Description:	Hoffmann Lane @ FM 306, 21.485 Acres, New Braunfels, TX 78130
	Lot n/a, Block n/a, Daniel Bradford Surv 9 Abst 36 Subdivision
Type of System:	Septic Tank Treatment with Drip Emitters Discharge
License issued to:	Comal Independent School District

This license is authorization for the owner to operate and maintain a private facility at th location described in accordance to the rules and regulations for on-site sewerage facilitie of Comal County, Texas, and the Texas Natural Resource Conservation Commission.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in satisfactory manner.

Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority

Comal County Environmental Health LURDINATO RONMENTAL HEALTH INSPECTOR

This "Livense-Operate" report was printed on \$/20/2002 by: Contral County Environmental Health, , operator, using CASST Ver.2.1

195 David Jonas Drive • New Braunfels, Texas 78130 • (830) 608-2090 FAX (830) 608-2009

ATTACHMENT C WPAP SITE PLAN

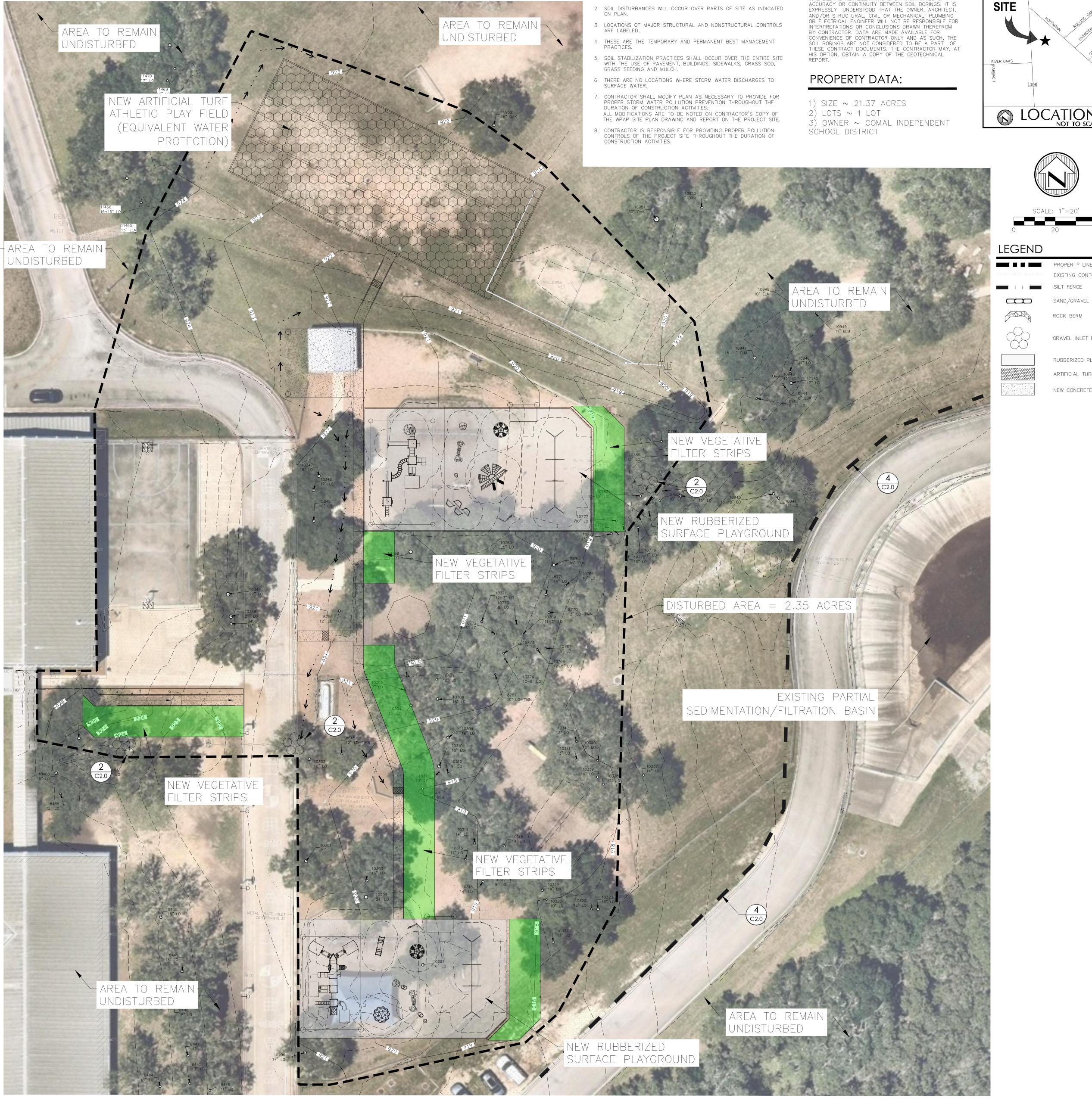
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER POLLUTION ABATEMENT PLAN GENERAL CONSTRUCTION NOTES

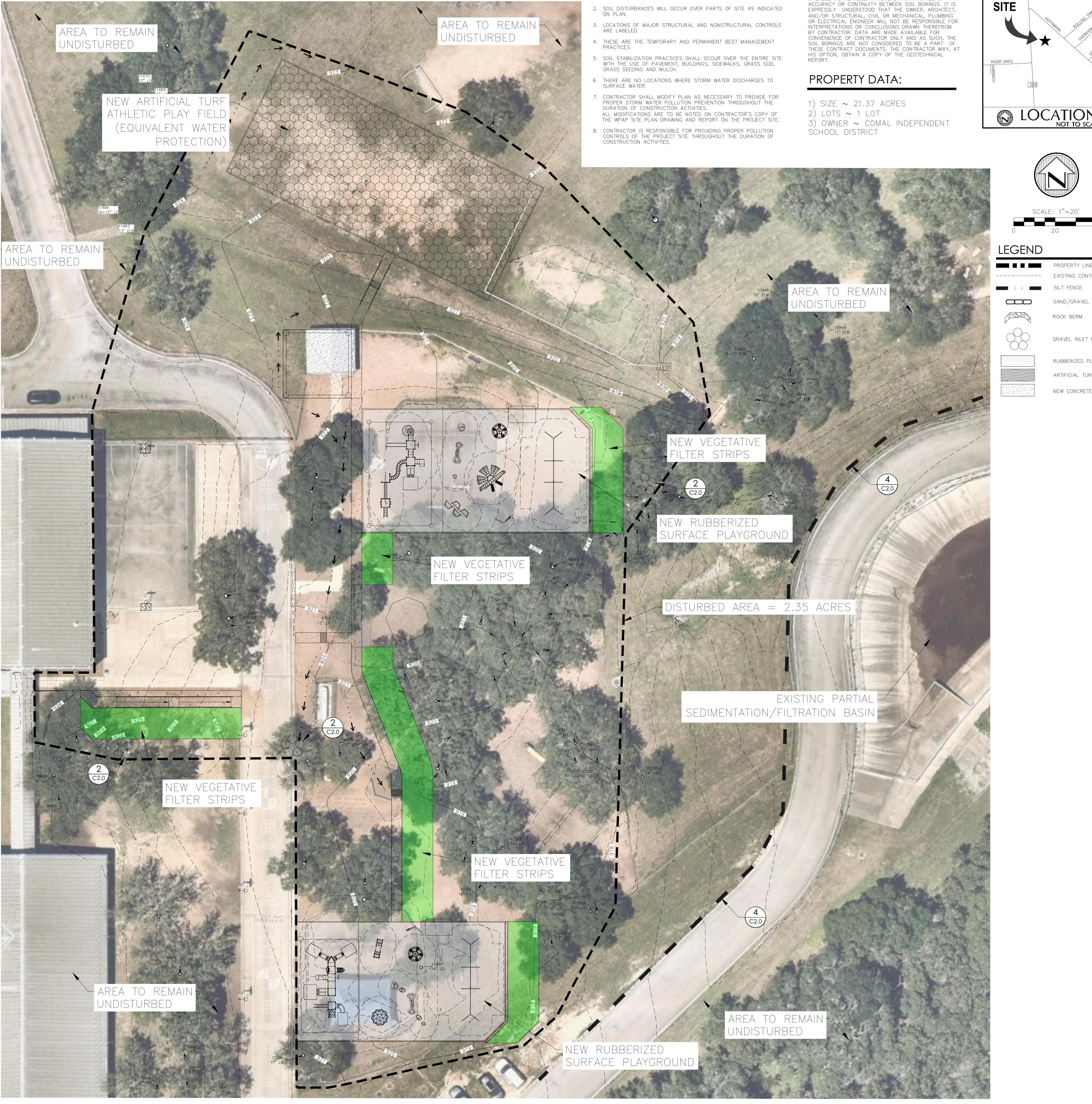
- 1. WRITTEN CONSTRUCTION NOTIFICATION MUST BE GIVEN TO THE APPROPRIATE TCEQ REGIONAL OFFICE NO LATER THAN 48 HOURS PRIOR TO COMMENCEMENT OF THE REGULATED ACTIVITY. INFORMATION MUST INCLUDE THE DATE ON WHICH THE REGULATED ACTIVITY WILL COMMENCE, THE NAME OF THE APPROVED PLAN FOR THE REGULATED ACTIVITY, AND THE NAME OF THE PRIME CONTRACTOR AND THE NAME AND TELEPHONE NUMBER OF THE CONTACT PERSON.
- 2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
- 3. IF ANY SENSITIVE FEATURE IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. THE REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MAY NOT PROCEED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT THE SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM ANY POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
- 4. NO TEMPORARY ABOVEGROUND HYDROCARBON AND HAZARDOUS SUBSTANCE STORAGE TANK SYSTEM IS INSTALLED WITHIN 150 FEET OF A DOMESTIC, INDUSTRIAL, IRRIGATION, OR PUBLIC WATER SUPPLY WELL, OR OTHER SENSITIVE FEATURE.
- 5. PRIOR TO COMMENCEMENT OF CONSTRUCTION, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND GOOD ENGINEERING PRACTICES. CONTROLS SPECIFIED IN THE TEMPORARY STORM WATER SECTION OF THE APPROVED EDWARDS AQUIFER PROTECTION PLAN ARE REQUIRED DURING CONSTRUCTION. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THE CONTROLS MUST REMAIN IN PLACE UNTIL DISTURBED AREAS ARE REVEGETATED AND THE AREAS HAVE BECOME PERMANENTLY STABILIZED.
- 6. 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).
- 7. SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS OR SEDIMENTATION PONDS NOT LATER THAN WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%. A PERMANENT STAKE MUST BE PROVIDED THAT CAN INDICATE WHEN THE SEDIMENT OCCUPIES 50% OF THE BASIN VOLUME.
- 8. 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).
- 9. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
- 10. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE JORF THAN 14 DAYS AFIER TEMPORARILY OR PERMANENTLY CEASED. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARY OR PERMANENTLY CEASE IS PRECLUDED BY WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 21 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE. IN AREAS EXPERIENCING DROUGHTS WHERE THE INITIATION OF MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY HAS STABILIZATION TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SEASONAL ARID CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 11. THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE: AND THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
- 12. THE HOLDER OF ANY APPROVED EDWARD AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
- A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
- B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;
- C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

AUSTIN REGIONAL OFFICE 2800 S. IH 35, SUITE 100 AUSTIN, TEXAS 78704–5712 PHONE (512) 339-2929 FAX (512) 339–3795

SAN ANTONIO REGIONAL OFFICE 14250 JUDSON ROAD SAN ANTONIO, TEXAS 78233-4480 PHONE (210) 490-3096 FAX (210) 545-4329

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



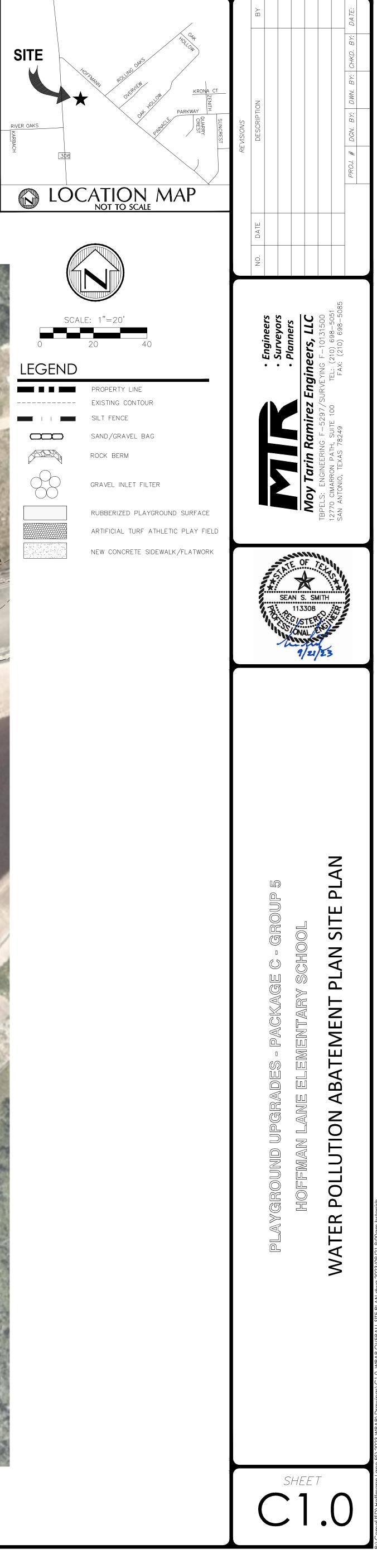


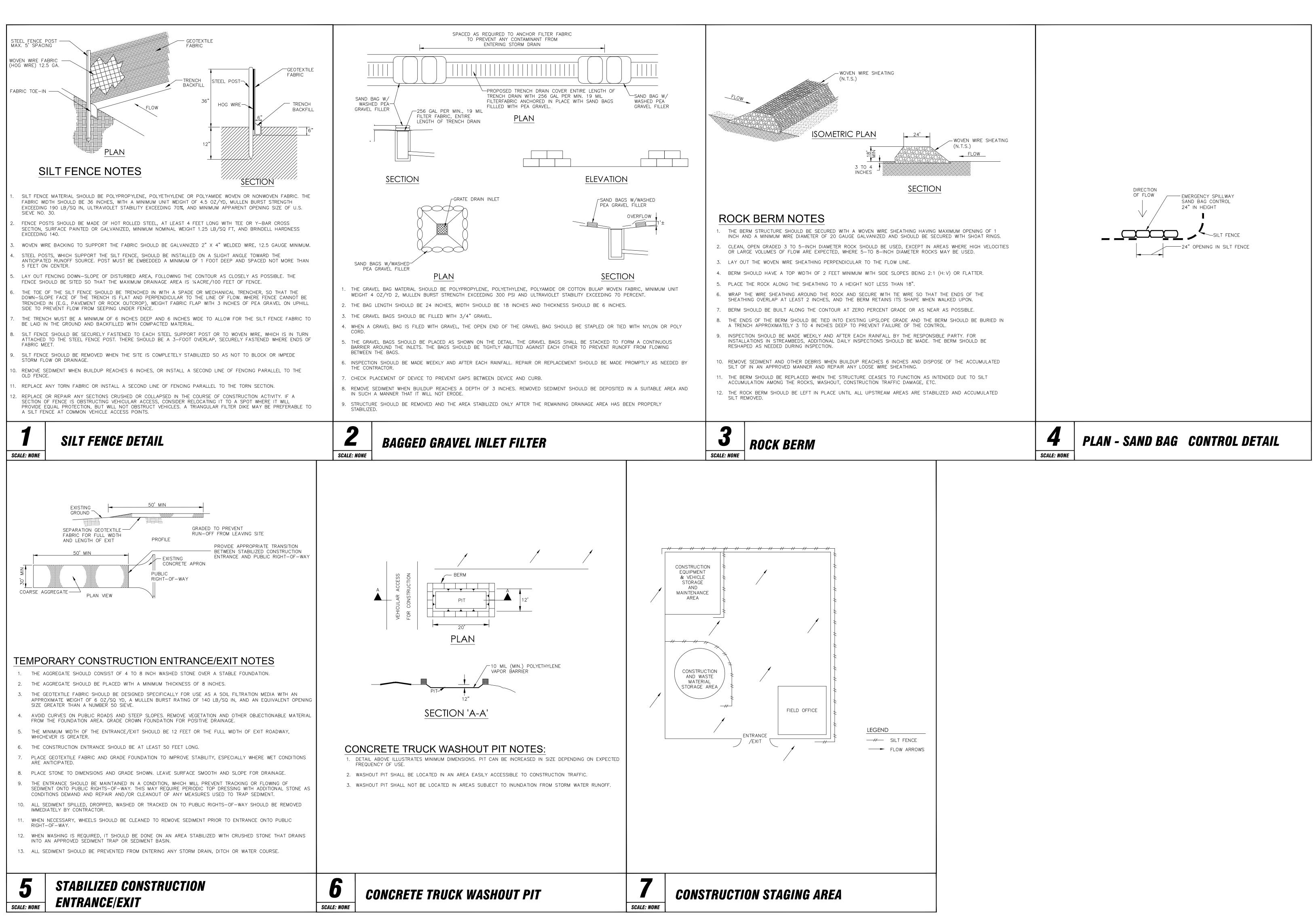
GENERAL NOTES:

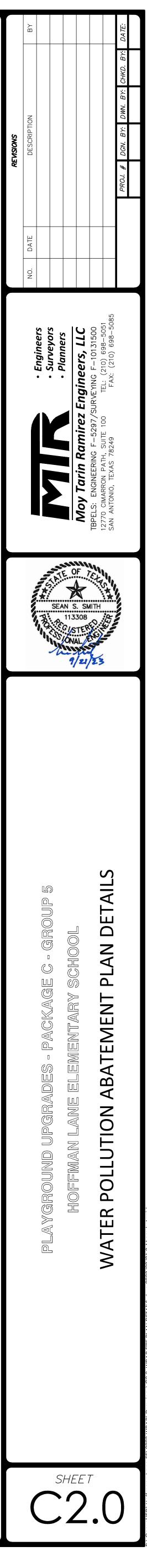
- 1. PROVIDE BAGGED GRAVEL INLET FILTERS AT ALL EXPOSED DRAINAGE STRUCTURES.

SITE INFORMATION:

DATA ON INDICATED SUBSURFACE CONDITIONS ARE NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF







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: Sean Smith, P.E.

Date: <u>9/21/2023</u>

Signature of Customer/Agent:

Regulated Entity Name: COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL

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>Alligator 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. 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.
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.
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.
Attachment G - Drainage Area Map. A drainage area map supporting the following requirements is attached:
 For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided. For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used. For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area. There are no areas greater than 10 acres within a common drainage area that will be used in combination with other erosion and sediment controls within each disturbed

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

- 1. Housekeeping
 - A. Minimize materials: An effort will be made to store only enough materials required to do the job.
 - B. Storage: All materials stored on site will be stored in a neat, orderly manner in their appropriate containers in a covered area. If storage in a covered area is not feasible, then the materials will be covered with polyethylene or polypropylene sheeting to protect them from the elements.
 - C. Labeling: Products will be kept in their original containers with the original manufacturer's label affixed to each container.
 - D. Mixing: Substances will not be mixed with one another unless this is recommended by the manufacturer.
 - E. Disposal: Whenever possible, all of a product will be used prior to disposal of the container. Manufacturer's recommendations will be followed for proper use and disposal of materials on site.
 - F. Inspections: The site superintendent will inspect the site daily to ensure proper use and disposal of materials on site.
 - G. Spoil Materials: Any excavated earth that will not be used for fill material and all demolished pavement will be hauled off site immediately and will be disposed of properly, in accordance with all applicable state/local regulations.
- 2. Product Specific Practices
 - A. Petroleum Products: All on site vehicles will be monitored for leaks and will receive regular preventive maintenance to reduce the chance of leakage. If petroleum products will be present at the site, then they will be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used on site will be applied according to the manufacturer's recommendations.
 - B. Concrete Trucks: Ready/Transit Mix Trucks will not be allowed to wash out or discharge surplus concrete or drum wash water except in the designated location on site as shown on the SWPPP site plan.
 - C. Paints: All containers will be tightly sealed and stored when not required for use. Excess paint will not be poured into storm sewer system or drainage channels, but will be properly disposed of according to manufacturers' instructions or state/local regulations.

- D. Fertilizers: Fertilizers will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. The fertilizer will be stored in a covered area, and any partially used bags will be transferred to a sealable plastic bin to avoid spills.
- 3. Spill Control and Response Measures

A spill prevention and response team will be designated by the site superintendent. In addition, the following practices will be followed for spill cleanup:

- A. Information: Manufacturers' recommended methods for spill cleanup will be clearly posted, and site personnel will be made aware of the procedures and location of the information and cleanup supplies.
- B. Equipment: Materials and equipment necessary for spill cleanup will be present on the site at all times. Equipment and materials will include, but not be limited to brooms, shovels, rags, gloves, goggles, absorbent materials (sand, sawdust, etc.) and plastic or metal trash containers specifically designed for this purpose. The materials and equipment necessary for spill cleanup will be dependent upon the nature and quantity of the material stored on site.
- C. Response: All spills will be cleaned up immediately upon discovery. <u>Cleanup</u>

(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. See the waste management BMPs in TCEQ Technical Guidance Manual RG-348 for specific information.

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:
- (5) Contain the spread of the spill.
- (6) Recover spilled materials.

(7) 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 the spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

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.

(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.

(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.

D. Vehicle and Equipment Maintenance

(1) If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.

(2) Regularly inspect onsite vehicles and equipment for leaks and repair immediately.

(3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.

(4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.

(5) Place drip pans or absorbent materials under paving equipment when not in use.

(6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.

(7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.

(8) Oil filters disposed of in trash cans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can be recycled. Ask the oil supplier or recycler about recycling oil filters.

(9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

E. Vehicle and Equipment Fueling

(1) If fueling must occur onsite, use designated areas, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.

(2) Discourage "topping off" of fuel tanks.

(3) Always use secondary containment, such as a drain pan, when fueling to catch spills/leaks.

- F. Safety: The spill area will be kept well ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with hazardous substances.
- G. Reporting: Spills of toxic or hazardous material (if present on site) will be reported to the appropriate state or local government agency, regardless of the spill's size.
- H. Record Keeping: The spill prevention plan will be modified to include measures to prevent this type of spill from recurring as well as improved methods for cleaning up any future spills. A description of each spill, what caused it, and the cleanup measures used will be kept with this plan.

ATTACHMENT B POTENTIAL SOURCES OF CONTAMINATION

- **Potential Source** Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle dripping.
- Preventive Measure Vehicle maintenance, when possible, will be performed within a construction staging area specified by the General Contractor.
- **Potential Source** Miscellaneous trash and litter from construction workers and material wrappings.
- Preventive Measure Trash containers will be placed throughout the site to encourage proper trash disposal.
- Potential Source Construction debris.
- Preventive Measure Construction debris will be monitored daily by contractor. Debris will be collected weekly and placed in disposal bins. Situations requiring immediate attention will be addressed on a case by case basis.
- **Potential Source** Stormwater contamination from excess application of fertilizers, herbicides and pesticides.
- Preventive Measure Fertilizers, herbicides and pesticides will be applied only when necessary and in accordance with manufacturers directions.
- **Potential Source** Soil and mud from construction vehicle tires as they leave the site.
- Preventive Measure A stabilized construction exit shall be utilized as vehicles leave the site. Any soil, mud, etc. carried from the project onto public roads shall be cleaned up within 24 hours.
- **Potential Source** Sediment from soil, sand, gravel and excavated materials stockpiled on site.

Preventive Measure Silt fence shall be installed on the downgradient side of all stockpiled materials. Reinforced rock berms shall be installed at all downstream discharge locations.

ATTACHMENT C SEQUENCE OF MAJOR ACTIVITIES

Construction Sequencing

- A. Installation of temporary BMPs as shown on the WPAP Site Plan. Silt fence will be placed along the down gradient boundary.
- B. Demolition and grading.
- C. Seeding and soil stabilization.

ATTACHMENT D TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

Description of Temporary Best Management Practices:

Vegetation will be used as a temporary stabilization technique for all areas disturbed by construction, not covered in pavement, buildings, or other structures.

Sequence of installation during construction process for each phase of construction:

Vegetation as a temporary control will only be utilized in the event a disturbed area has been left denuded for more than 14 days.

Up gradient storm water flowing across the site:

There is minimum upgradient flow entering the construction area. All upgradient flow will be treated along with the stormwater generated onsite.

Onsite storm water flowing across and off the site:

The storm water originating onsite and flowing off the site will be treated through temporary BMPs. Silt fences will be installed at all locations where non-concentrated storm water exits the site.

Prevention of pollutants from entering surface streams, sensitive features and the aquifer:

The storm water originating onsite and flowing off the site will be treated using temporary BMPs prior to it entering surface streams, sensitive features and the aquifer. Silt fences will be installed at all locations where non-concentrated storm water may leave the site. These silt fences should filter the storm water prior to it leaving the site.

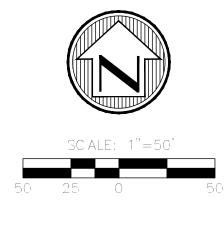
Maintaining flow to naturally-occurring sensitive features:

The storm water originating onsite and flowing off the site will continue to flow into the down gradient receiving waters. Any sensitive features downstream will continue to receive flow originating on the site. Prior to the flow leaving the site, it will be treated through temporary BMPs. These temporary BMPs should remove sediment, pollutants and debris if installed and maintained properly.

ATTACHMENT F STRUCTURAL PRACTICES

Vegetation will be used as a temporary stabilization technique for all areas disturbed by construction, not covered by pavement, buildings, or other structures. Temporary stabilization shall consist of temporary seeding of disturbed areas that are denuded beyond 14 days without construction restart within 21 days. As a temporary control, the vegetation will be used to stabilize barren areas that are inactive for long periods of time.





LEGEND

----- EXISTING CONTOURS -1390-----____ • (1

 \rightarrow

SITE BOUNDARY DRAINAGE AREA BOUNDARY **PROPOSED CONTOURS** CALCULATION POINT

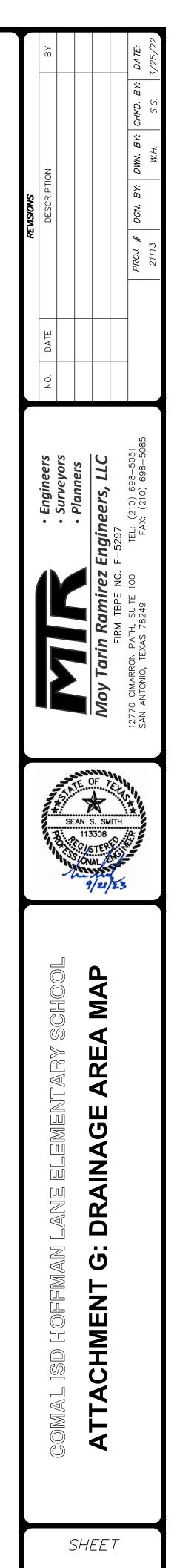
FLOW ARROWS

EXISTING DRAINAGE CALCULATIONS

	EXISTING CONDITIONS Q CALCULATION									
					Q25 (cfs)	Q100 (cfs)				
1	A	12.39	0.73	10.00	6.36	9.00	11.43	57.91	81.95	104.06

PROPOSED DRAINAGE CALCULATIONS

	PROPOSED/ULTIMATE CONDITIONS Q CALCULATION									
PT. NO.	AREA OF ACCUMULATION	TOTAL ACRES	C-VALUE	Tc (min)	15 (in/hr)	125 (in/hr)	100 (in/hr)	Q5 (cfs)	Q25 (cfs)	Q100 (cfs)
1	A	12.39	0.75	10.00	6.36	9.00	11.43	59.42	84.09	106.78



ATTACHMENT I INSPECTION AND MAINTENANCE FOR BMPS

<u>Silt Fence</u>

- 1. Inspect all fencing <u>weekly</u>, and after any rainfall.
- 2. Remove sediment when buildup reaches 6 inches, or install a second line of fencing parallel to the old fence.
- 3. Replace any torn fabric or install a second line of fencing parallel to the torn section.
- 4. Replace or repair any sections crushed or collapsed in the course of construction activity.

Bagged Gravel Inlet Filter

- 1. Inspections should be made weekly and after each rainfall. Repair or replacement should be made promptly as needed by contractor.
- 2. Remove sediment when buildup reaches a depth of 3 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not erode.
- 3. Check placement of device to prevent gaps between device and curb.
- 4. Inspect filter fabric and patch or replace if torn or missing.
- 5. Structures should be removed and the area stabilized only after the remaining drainage area has been properly stabilized.

COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL

Responsible Party Form

Pollution Prevention Measure		ģ	Corrective Action				
		Inspected	Description	Date Completed			
	Inspections						
nce	Fencing						
Silt Fence	Sediment Removal						
Sil	Torn Fabric						
	Crushed/Collapsed Fencing						
ed t fel	Inspections						
Bagged Gravel Inlet Filters	Replaced/Reshaped						
B O TH	Silt Removed						

Inspector's Name

Inspector's Signature

Name of Owner/Operator

Date

Note: Inspector is to attach a brief statement of his qualifications to this report.

ATTACHMENT J SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 21 days, temporary stabilization measures do not have to be initiated on that portion of the site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

Temporary stabilization shall consist of temporary seeding of disturbed areas that are denuded beyond 14 days without construction restart within 21 days.

As pad sites (buildings, sidewalks and pavement) are completed, permanent landscaping and sod shall be planted and irrigated. Curb and gutter will direct runoff into the permanent water quality basin.

Temporary vegetation stabilization techniques shall be in accordance with the TCEQ Technical Guidance Manual RG-248 (*Complying with the Edwards Aquifer Rules – Technical Guidance on Best Management Practices*), Chapter 1 Temporary Best Management Practices, Section 1.3.8 Temporary Vegetation, as follows:

Temporary Vegetation

Vegetation is used as a temporary or permanent stabilization technique for areas disturbed by construction, but not covered by pavement, buildings, or other structures. As a temporary control, vegetation can be used to stabilize stockpiles and barren areas that are inactive for long periods of time.

Vegetative techniques can and should apply to every construction project with few exceptions. Vegetation effectively reduces erosion in swales, stockpiles, berms, mild to medium slopes, and along roadways.

Other techniques may be required to assist in the establishment of vegetation. These other techniques include erosion control matting, mulches, surface roughening, swales and dikes to direct runoff around newly seeded areas, and proper grading to limit runoff velocities during construction. (NCTCOG, 1993b)

Materials:

The type of temporary vegetation used on a site is a function of the season and the availability of water for irrigation. For areas that are not irrigated, the year can be divided into two temporary planting seasons and one season for planting of permanent warm weather groundcovers. These periods are shown in Figure 1-19 for Bexar, Comal, Kinney, Medina, and Uvalde Counties. Appropriate temporary vegetation for these areas is shown in Table 1-4.

Other vegetation may perform as well as the recommended varieties, especially where irrigation is available. County agricultural extension agents are a good source for suggestions for other types of temporary vegetation. All seed should be high quality, U.S. Dept. of Agriculture certified seed.

Installation:

(1) Interim or final grading must be completed prior to seeding, minimizing all steep slopes. In addition, all necessary erosion structures such as dikes, swales, and diversions, should also be installed.

(2) Seedbed should be well pulverized, loose, and uniform.

(3) Fertilizer should be applied at the rate of 40 pounds of nitrogen and 40 pounds of phosphorus per acre, which is equivalent to about 1.0 pounds of nitrogen and phosphorus per 1000 square feet. Compost can be used instead of fertilizer and applied at the same time as the seed.

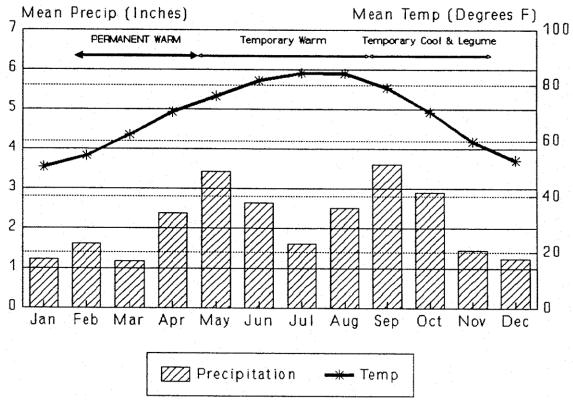


Figure 1-19 Planting Dates for Bexar, Comal, Kinney, Medina, and Uvalde Counties (Northcutt, 1993)

Table 1-4 Temporary Seeding for Bexar, Comal, Kinney, Medina, and UvaldeCounties (Northcutt, 1993)

Dates	Climate	Species (lb/ac)	
Sept 1 to Nov 30	Temporary Cool Season	Tall Fescue	4.0
		Oats	21.0
		Wheat (Red,	30.0
		Winter)	50.0
		Total	55.0
Sept 1 to Nov 30	Cool Season Legume	Hairy Vetch	8.0
May 1 to Aug 31	Temporary Warm Season	Foxtail Millet	30.0

(4) Seeding rates should be as shown in Table 1-4 or as recommended by the county agricultural extension agent.

(5) The seed should be applied uniformly with a cyclone seeder, drill, cultipacker seeder or hydroseeder (slurry includes seed, fertilizer and binder).

(6) Slopes that are steeper than 3:1 should be covered with appropriate soil stabilization matting as described in the following section to prevent loss of soil and seed.

Irrigation:

Temporary irrigation should be provided according to the schedule described below, or to

replace moisture loss to evapotranspiration (ET), whichever is greater. Significant rainfall (on-site rainfall of $\frac{1}{2}$ " or greater) may allow watering to be postponed until the next scheduled irrigation.

Time Period	Irrigation Amount and Frequency
Within 2 hours of installation	Irrigate entire root depth, or to germinate seed
During the next 10 business days	Irrigate entire root depth every Monday, Wednesday, and Friday
During the next 30 business days or until Substantial Completion	Irrigate entire root depth a minimum of once per week, or as necessary to ensure vigorous growth
During the next 4 months or until Final Acceptance of the	Irrigate entire root depth once every two weeks, or as necessary to ensure vigorous growth
Project	

If cool weather induces plant dormancy, water only as necessary to maintain plant health.

Irrigate in a manner that will not erode the topsoil but will sufficiently soak the entire depth of roots.

Inspection and Maintenance Guidelines:

(1) Temporary vegetation should be inspected weekly and after each rain event to locate and repair any erosion.

(2) Erosion from storms or other damage should be repaired as soon as practical by regrading the area and applying new seed.

(3) If the vegetated cover is less than 80%, the area should be reseeded.

Permanent 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)(C), (D)(Ii), (E), and (5), 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 **Permanent Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: Sean Smith, P.E.

Date: 9/21/2023

Signature of Customer/Agent

Regulated Entity Name: COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL

Permanent Best Management Practices (BMPs)

Permanent best management practices and measures that will be used during and after construction is completed.

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



2. X 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

3. 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

- 4. 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.
- 5. 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 A 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.
- 6. Attachment B 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.
7.	\boxtimes	Attachment C - 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.
8.		Attachment D - BMPs for Surface Streams. A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features, or the aquifer is attached. Each feature identified in the Geologic Assessment as sensitive has been addressed.
	\square	N/A
9.		The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.
		 The permanent sealing of or diversion of flow from a naturally-occurring sensitive feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed. Attachment E - Request to Seal Features. A request to seal a naturally-occurring sensitive feature, that includes, for each feature, a justification as to why no reasonable and practicable alternative exists, is attached.
10.		Attachment F - Construction Plans. All construction plans and design calculations for the proposed permanent BMP(s) and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. The plans are attached and, if applicable include:
		 Design calculations (TSS removal calculations) TCEQ construction notes All geologic features All proposed structural BMP(s) plans and specifications

11. X Attachment G - Inspection, Maintenance, Repair and Retrofit Plan. A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:
Prepared and certified by the engineer designing the permanent BMPs and measures
🔀 Signed by the owner or responsible party
Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
A discussion of record keeping procedures
□ N/A
12. Attachment H - 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
13. Attachment I -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
and development is attached. The measures address increased stream flashing, the

- 12
- 13 creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that results in water quality degradation.

N/A

Responsibility for Maintenance of Permanent BMP(s)

Responsibility for maintenance of best management practices and measures after construction is complete.

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

N/A

15. \square 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.

N/A

ATTACHMENT B BMP'S FOR UPGRADIENT STORM WATER

Stormwater originating upgradient is minimal and continues to sheet flow to the southeastern portion of the site. There is a 100-foot ridge on the north corner of the site which forces water away from the site. The water that does flow across the site from the north to southeast eventually runs into a bar ditch that flows on the west side of Hoffman Lane Rd. No upgradient stormwater will flow across any disturbed areas.

ATTACHMENT C BMPs FOR ON-SITE STORMWATER

There will be an increase of 23,045 SF (0.53 acres) in impervious cover due to the proposed project. This increase will be treated by utilizing the existing partial sedimentation/filtration basin and new vegetative filter strips.

Of the 0.53-acre increase in impervious cover, 0.19 acres is a synthetic turf athletic play field. This athletic play field utilizes an underdrain and liner system that provides equivalent water protection. The athletic play field will not accept drainage from parking lots or other impervious areas. Therefore, a permanent BMP is not required to treat the 0.19-acre increase in IC associated with the athletic play field.

The remaining increase of 0.34 acres of impervious cover will be treated with a combination of new vegetative filter strips and the existing partial sedimentation/filtration basin. New vegetative filter strips will treat 0.25 acres of the increase in IC, while the existing sedimentation/filtration basin will treat the remaining 0.09-acre increase in IC.

The total impervious cover on-site after adding the proposed improvements will be 7.99 acres. However, since 0.19 acres of this impervious cover is made up of athletic play fields that provide equivalent water protection, only 7.80 acres of impervious cover require treatment with permanent BMPs. The TSS removal requirement for 7.80 acres of impervious cover is 7,001 lbs. The previous WPAP modification for this property provided 500 lbs of TSS removal in the form of vegetative filter strips, and 6,197 lbs in the form of the partial sedimentation/filtration basin. The previously approved TSS calculations from the 2009 WPAP have been attached with this application. The remaining 304 lbs. TSS removal requirement (7,001 lbs. overall requirement minus 6,697 lbs. removal provided in 2009) is split between new engineered VFS and the existing partial sedimentation/filtration basin. The new VFS will remove 224 lbs. of TSS, while the basin will treat 6,277 lbs. of TSS. The minimum required volume for the basin is 35,226 CF. The design volume for the basin is 38,257 CF. The minimum sand filter area for the basin is 3,034 SF.

TSS Removal Calculations 04-20-2009			Project Name: HLES Date Prepared:
Additional information is provided for cells with a red triangle in Text shown in blue indicate location of instructions in the Technical G Characters shown in red are data entry fields. Characters shown in black (Bold) are calculated fields. Change	uidance	Manual - RG-3	348.
. The Required Load Reduction for the total project: C	alculations	from RG-348	Pages 3-27 to 3-30
Page 3-29 Equation 3.3: $L_{M} = 23$	7.2(A _N x P)		
A _N = N	et increase		ng from the proposed development = 80% of increased ea for the project inches
Site Data: Determine Required Load Removal Based on the Entire Project County = Total project area included in plan * = Predevelopment impervious area within the limits of the plan * = Total post-development impervious area within the limits of the plan * = Total post-development impervious cover fraction * = P =	Comal 21.37 0.00 7.80 0.36 33	acres acres acres inches	TE OF TEL
L _{M TOTAL PROJECT} = The values entered in these fields should be for the total project area.	7001	lbs.	SEAN S. SMITH
Number of drainage basins / outfalls areas leaving the plan area =	1		5EAN S. SMITH 113308
. Drainage Basin Parameters (This information should be provided for each	oasin):		NAL CNAL
Drainage Basin/Outfall Area No. =	1		Munas
Total drainage basin/outfall area = Predevelopment impervious area within drainage basin/outfall area = Post-development impervious area within drainage basin/outfall area = Post-development impervious fraction within drainage basin/outfall area =	10.83 0.00 6.77 0.63	acres acres acres	7/21/23
L _{M THIS BASIN} =	6077	lbs.	

3. Indicate the proposed BMP Code for this basin.

Texas Commission on Environmental Quality

Proposed BMP =	Sand Filter	
Removal efficiency =	89	percent

Aqualogic Cartridge Filter Bioretention Contech StormFilter Constructed Wetland Extended Detention Grassy Swale Retention / Irrigation Sand Filter Stormceptor Vegetated Filter Strips Vortechs Wet Basin Wet Vault

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (BMP \text{ efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:

- A_{C} = Total On-Site drainage area in the BMP catchment area
- A_I = Impervious area proposed in the BMP catchment area
- A_P = Pervious area remaining in the BMP catchment area
- L_R = TSS Load removed from this catchment area by the proposed BMP

$A_{\rm C} =$	10.83	acres
$A_1 =$	6.77	acres
$A_P =$	4.06	acres
$L_R =$	6944	lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area Desired $L_{M THIS BASIN} =$ 6277 lbs. F -0.90 6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36 Rainfall Depth = 1.70 inches Post Development Runoff Coefficient = 0.44 On-site Water Quality Volume = 29355 cubic feet Calculations from RG-348 Pages 3-36 to 3-37 Off-site area draining to BMP = 0.00 acres Off-site Impervious cover draining to BMP = 0.00 acres Impervious fraction of off-site area = 0 Off-site Runoff Coefficient = 0.00 Off-site Water Quality Volume = cubic feet 0 Storage for Sediment = 5871 35226 Total Capture Volume (required water quality volume(s) x 1.20) = cubic feet The following sections are used to calculate the required water quality volume(s) for the selected BMP. The values for BMP Types not selected in cell C45 will show NA. 7. Retention/Irrigation System Designed as Required in RG-348 Pages 3-42 to 3-46 Required Water Quality Volume for retention basin = NA cubic feet Irrigation Area Calculations: Soil infiltration/permeability rate = Enter determined permeability rate or assumed value 0.1 in/hr Irrigation area = NA square feet NA acres Designed as Required in RG-348 Pages 3-46 to 3-51 8. Extended Detention Basin System Required Water Quality Volume for extended detention basin = NA cubic feet Designed as Required in RG-348 9. Filter area for Sand Filters Pages 3-58 to 3-63 9A. Full Sedimentation and Filtration System Water Quality Volume for sedimentation basin = 35226 cubic feet Minimum filter basin area = 1631 square feet Maximum sedimentation basin area = 14677 square feet For minimum water depth of 2 feet Minimum sedimentation basin area = 3669 square feet For maximum water depth of 8 feet 9B. Partial Sedimentation and Filtration System Water Quality Volume for combined basins = 35226 cubic feet Minimum filter basin area = 2935 square feet square feet For minimum water depth of 2 feet Maximum sedimentation basin area = 11742 Minimum sedimentation basin area = 734 square feet For maximum water depth of 8 feet

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Additional information is provided for cells with a red triangle in the upper right corner. Place the cure Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equati

1. The Required Load Reduction for the total project:

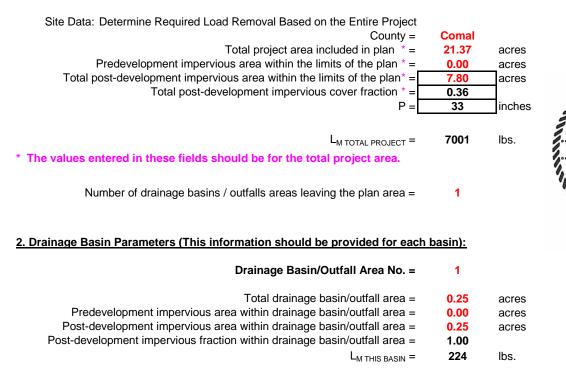
where:

Calculations from RG-348

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

 $L_{M TOTAL PROJECT}$ = Required TSS removal resulting from the proposed

- A_N = Net increase in impervious area for the project
- P = Average annual precipitation, inches



3. Indicate the proposed BMP Code for this basin.

Proposed BMP = '	Vegetated	Filter Strips
Removal efficiency =	85	percent

Project Name: Date Prepared:

SMIT

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (BMP \text{ efficiency}) \times P \times (A_1 \times 34.6 + A_P \times 0.54)$

where:

 A_{c} = Total On-Site drainage area in the BMP catchment A_{I} = Impervious area proposed in the BMP catchment a A_{P} = Pervious area remaining in the BMP catchment are L_{R} = TSS Load removed from this catchment area by the

$A_{C} =$	0.25	acres
$A_I =$	0.25	acres
$A_P =$	0.00	acres
$L_R =$	243	lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

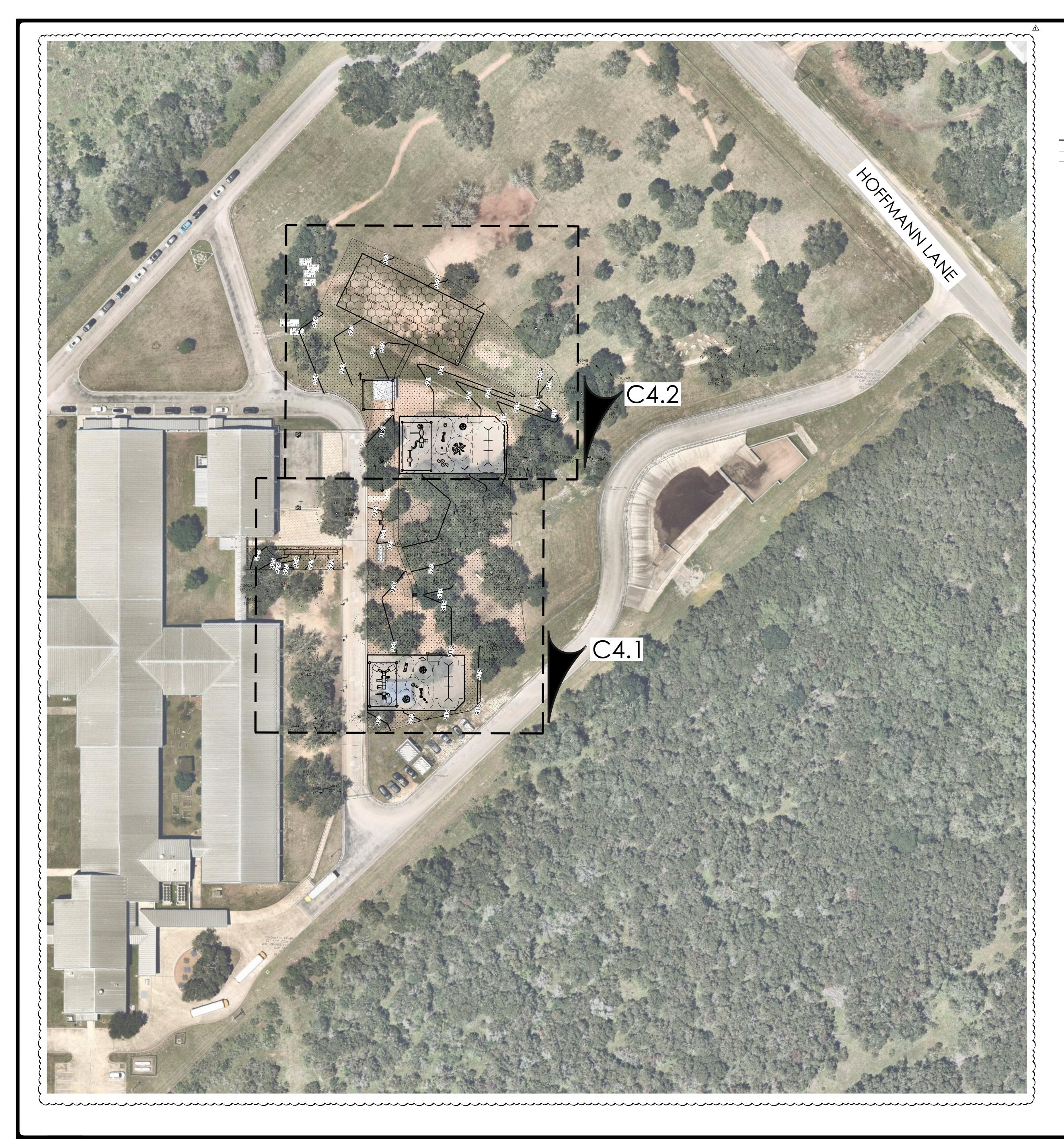
Desired $L_{M THIS BASIN} =$	224	lbs.	
F =	0.92		
6. Calculate Capture Volume required by the BMP Type for this drainage ba	asin / outfall a	rea.	Calculations from RG-
Rainfall Depth =		inches	
Post Development Runoff Coefficient = On-site Water Quality Volume =	0.82 1482	cubic feet	
	Calculations f	rom RG-348	Pages 3-36 to 3-37
Off-site area draining to BMP = Off-site Impervious cover draining to BMP =		acres acres	
Impervious fraction of off-site area = Off-site Runoff Coefficient =	0	acres	
Off-site Water Quality Volume =	0	cubic feet	
Storage for Sediment =			
Total Capture Volume (required water quality volume(s) x 1.20) = The following sections are used to calculate the required water quality volu		cubic feet selected BM	P.
The values for BMP Types not selected in cell C45 will show NA.			
7. Retention/Irrigation System	Designed as I	Required in R	G-348
Required Water Quality Volume for retention basin =	NA	cubic feet	
Irrigation Area Calculations:			
Soil infiltration/permeability rate = Irrigation area =		in/hr square feet acres	Enter determined pe
8. Extended Detention Basin System	Designed as I	Required in R	G-348
Required Water Quality Volume for extended detention basin =	NA	cubic feet	

9. Filter area for Sand Filters

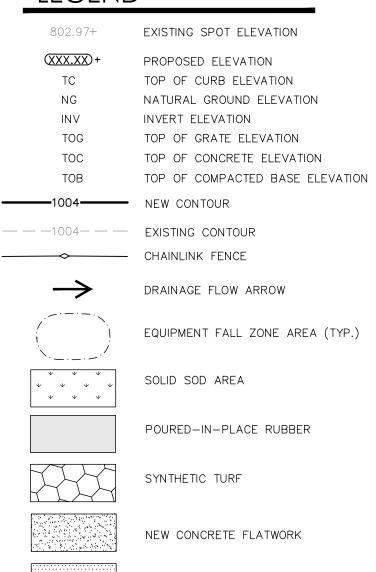
9A. Full Sedimentation and Filtration System

Designed as Required in RG-348

ATTACHMENT F CONSTRUCTION PLANS



LEGEND



NEW CONCRETE RIPRAP

GENERAL NOTES:

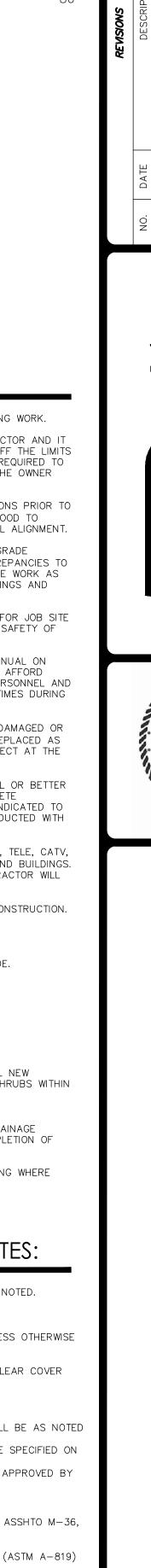
- 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK. 2. ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE SITE TO A STATE LICENSED LANDFILL. CONTRACTOR WILL BE REQUIRED TO PROVIDE DOCUMENTATION WHERE DISPOSED MATERIAL IS TAKEN TO. THE OWNER WILL NOT BE HELD LIABLE FOR WASTE MATERIAL.
- 3. CONTRACTOR IS REQUIRED TO SET AND VERIFY ALL PROJECT ELEVATIONS PRIOR TO THE START OF CONSTRUCTION. "MATCH EXISTING" SHALL BE UNDERSTOOD TO SIGNIFY THE SAME MATERIALS AS WELL AS VERTICAL AND HORIZONTAL ALIGNMENT. 4. GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSION & GRADE
- CONDITIONS (BOTH NEW AND EXISTING). HE SHALL REPORT ANY DISCREPANCIES TO THE PROJECT ENGINEER BEFORE PROCEEDING WITH ANY PHASE OF THE WORK AS HE WILL BE RESPONSIBLE FOR ALL WORK AS INTENDED BY THE DRAWINGS AND SPECIFICATIONS.
- 5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.
- 6. BARRICADES AND WARNING SIGNS SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND GENERALLY BE LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION PERSONNEL AND EQUIPMENT AND TO ASSURE AN EXPEDITIOUS TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION.
- 7. ANY EXISTING OFF-SITE IMPROVEMENTS AND/OR UTILITIES REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AND APPROVED BY THE PROJECT ARCHITECT AT THE CONTRACTOR'S EXPENSE.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION, ANY DAMAGES DONE TO EXISTING FENCES, CURBS, CONCRETE DRIVEWAYS, SIDEWALK STRUCTURES AND PAVEMENT, THAT ARE NOT INDICATED TO BE REMOVED. AN INVENTORY OF EXISTING CONDITIONS SHALL BE CONDUCTED WITH THE CONTRACTOR AND OWNER PRIOR TO DEMOLITION.
- 9. CONTRACTOR SHALL MAINTAIN CONTINUAL ALL UTILITY SERVICES (GAS, TELE, CATV, ELEC., WATER, SEWER, STORM SEWER, ETC.) TO EXISTING FACILITIES AND BUILDINGS. WHERE CONSTRUCTION IS IN THE PROXIMITY OF A UTILITY, THE CONTRACTOR WILL TAKE PRECAUTION TO PROTECT AND/OR SUPPORT THE UTILITY.
- 11. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. 12. NOTIFY OWNER 72 HOURS IN ADVANCE OF UTILITY
- SHUTDOWN. ADJUST ALL EXISTING VALVES & UTILITIES TO REMAIN TO FINISH GRADE. REFERENCE GRADING & UTILITY PLAN.
- 14. CONTRACTOR SHALL COORDINATE ALL DEMOLITION CONSTRUCTION ACTIVITIES WITH OTHER DISCIPLINES AS
- REQUIRED. 15. CONTRACTOR SHALL COORDINATE UTILITY DEMOLITION WITH UTILITY PLANS.
- 16. CONTRACTOR IS RESPONSIBLE FOR CLEARING THE ALIGNMENT FOR ALL NEW FENCING. CLEARING TO INCLUDE ALL VEGETATION, TREE LIMBS, AND SHRUBS WITHIN 5' OF NEW FENCE ALIGNMENT ON EACH SIDE.
- 17. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL SILT FROM THE DRAINAGE SYSTEM AND FLUSH THE DRAINAGE SYSTEM UPON SUBSTANTIAL COMPLETION OF THE PROJECT.
- 18. CONTRACTOR TO RESTRIPE ALL FIRE LANE STRIPING TO MATCH EXISTING WHERE PAVEMENT HAS BEEN REMOVED AND REPLACED.

DRAINAGE AND STORM SEWER NOTES:

- 1. CLEAR COVER FOR REINFORCEMENT STEEL IS 2" UNLESS OTHERWISE NOTED. 2. MATERIAL SPECIFICATIONS:
- CONCRETE/CONCRETE RIPRAP: CLASS A 3000 PSI IN 28 DAYS UNLESS OTHERWISE NOTED ON PLANS. REINFORCING STEEL: CONFORM TO A.S.T.M. A-615, GRADE 60 (2" CLEAR COVER UNLESS OTHERWISE NOTED ON PLANS)
- PIPE RAILING: CONFORM TO A.S.T.M. A-53, GRADE B, OR A-501 3. STORM SEWER PIPE MATERIAL SPECIFICATIONS: PIPE MATERIAL SHALL BE AS NOTED ON DRAINAGE PLANS. WHEN SPECIFIED:
- A) REINFORCED CONCRETE PIPE (RCP) CLASS IV UNLESS OTHERWISE SPECIFIED ON B) PRECAST BOX CULVERT OLDCASTLE PRECAST TYPE I OR EQUAL APPROVED BY ENGINEER. C) POLYVINYL CHLORIDE (PVC) PIPE SHALL BE SDR 26 (115 psi)
- D) ALUMINIZED STEEL (AS) 1. CORRUGATIONS: $\frac{3}{4}$ "X $\frac{3}{4}$ "X7-1/2" HELICAL CORRUGATIONS PER ASSHTO M-36, TYPE IR (ASTM A-760)
- 2. MATERIAL: ALUMINIZED TYPE 2 STEEL PER AASHTO M-274 (ASTM A-819) 3. JOINT: HUGGER BAND WITH TECHNO ANGLES. CONTRACTOR TO PROVIDE 5-C BANDS WITH BAR BOLT AND STRAP CONNECTION AND 12" WIDE NEOPRENE GASKET FOR ALL STORM PIPE UNDER PAVEMENT AREAS.
- 4. THICKNESS: 0.064" (16 GAUGE) 4. ALL STORM SEWER INLET GRATES SHALL BE GALVANIZED.
- 5. CONCRETE COLLARS SHALL BE PROVIDED ON ALL STORM DRAIN TO JUNCTION
- BOX/GRATE INLET CONNECTIONS. REFERENCE DETAILS. 6. GROUT INVERTS OF ALL JUNCTION BOXES AND GRATE INLETS TO DRAIN.
- 7. ALL JUNCTION BOXES SHALL HAVE MANHOLES FOR ACCESS WITH BOLTED MANHOLE
- 8. ALL DRAINAGE STRUCTURES, LIDS AND GRATES SHALL BE RATED FOR H20 LOADING.
- 9. ALL PIPE TRENCHES SHALL CONTAIN FILTER FABRIC BETWEEN THE INITIAL AND SECONDARY BACKFILL. REFERENCE DETAILS AND SPECIFICATIONS FOR CONSTRUCTION REQUIREMENTS.
- 10. ALL CONCRETE STORM DRAIN STRUCTURES TO HAVE A 32" CLEAR OPENING FOR ACCESS. CONTRACTOR TO PROVIDE CORRESPONDING LID AND FRAME TO PROVIDE 32" CLEAR OPENING.

PAINT SPECFICATION

THE PAVEMENT MARKING PAINT TO BE USED ON THIS PROJECT WILL BE GORILLA HI-PERFORMANCE ACRYLIC ZONE MARKING PAINT FROM AEXCEL OR APPROVED EQUAL. WHITE PAINT 22W-E008 AND LEAD-FREE YELLOW 22Y-E006. SURFACE PREPARATION: SURFACES WILL BE CLEAN, DAY AND FREE FROM LOOSE OR PEELING SURFACES. DO NOT APPLY WHEN AIR TEMPERATURES ARE BELOW 50DEG. F. OR WHEN THE RELATIVE HUMIDITY EXCEEDS 85%, OR WHEN THE TEMPERATURE FALLS BELOW THE DEW POINT. IT IS RECOMMENDED TO PLACE AN INCONSPICUOUS TEST STRIP TO DETERMINE IF THE NEW ASPHALT SURFACES HAVE CURED SUFFICIENTLY TO DANNE WALL 24 HUMIDS AFTER A PAIN TO PAINT ASPHALT SURFACES PAINT. WAIT 24 HOURS AFTER A RAIN TO PAINT ASPHALT SURFACES. APPLICATION RATES: APPLY PAINT AT FILM THICKNESS AND SPREADING RATE AS RECOMMENDED BY THE PAINT SUPPLIER. ALL OF THE NEW ASPHALT SURFACES WILL BE PAINTED WITH TWO (2) COATS OF 15.0 MILS WET, 8.0 MILS DRY. THE FIRST COAT MUST BE COMPLETELY DRY BEFORE THE SECOND COAT IS APPLIED. WAIT A MINIMUM OF 10 DAYS BETWEEN THE ASPHALT PLACEMENT AND THE PERMANENT TRAFFIC STRIPING AND MARKINGS STRIPING AND MARKINGS. IF 10 DAYS CANNOT BE ACHIEVED CONTRACTOR TO PROVIDE TWO (2) ADDITIONAL COATS OF 15.0 MILS WET, 8.0 MILS DRY 10 DAYS AFTER ASPHALT PLACEMENT. THE ADDITIONAL COATS ARE TO BE COORDINATED WITH THE OWNER AND WILL NOT DISRUPT OPERATIONS.

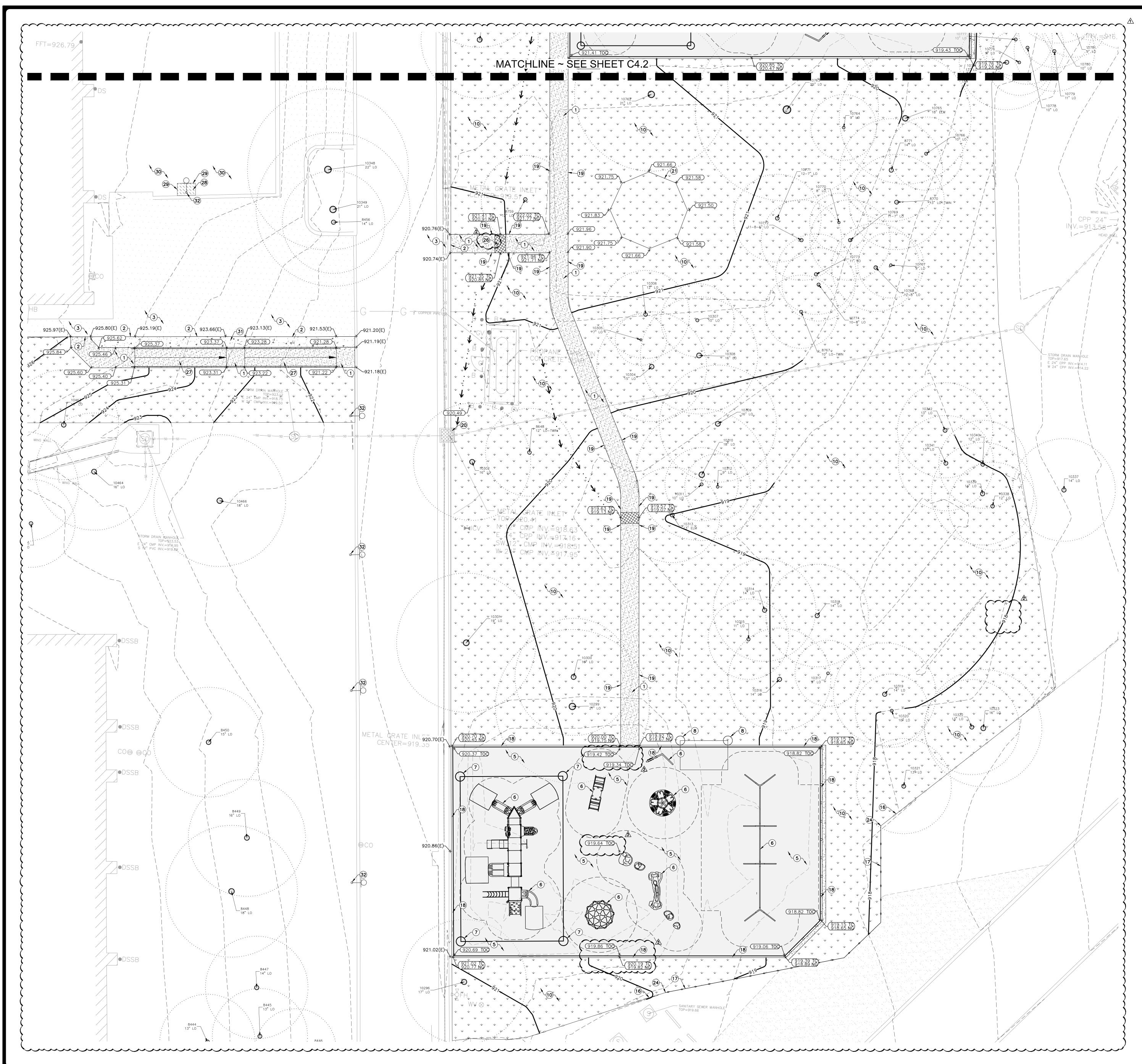


SCALE: 1"=40'



SHEET

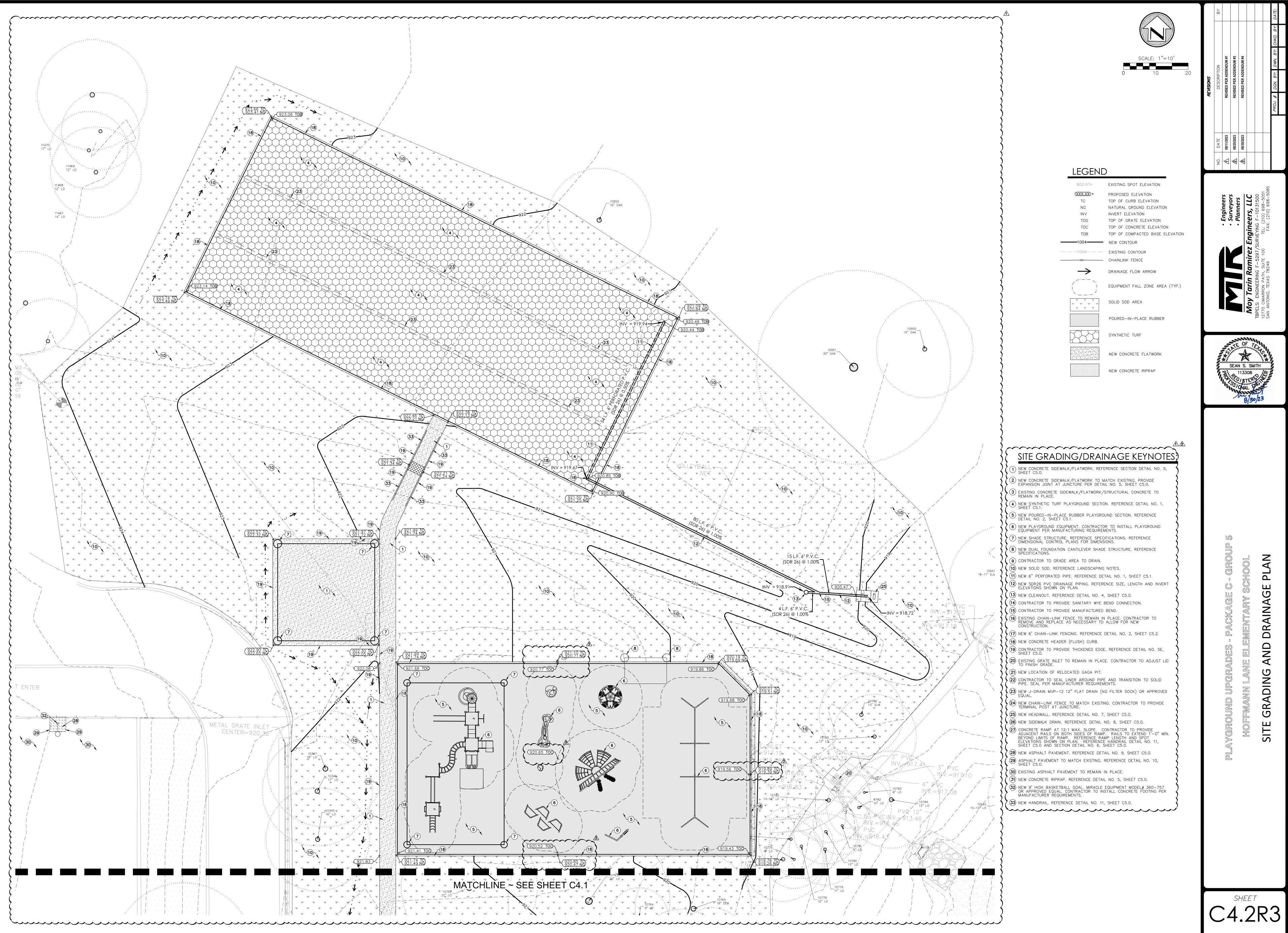
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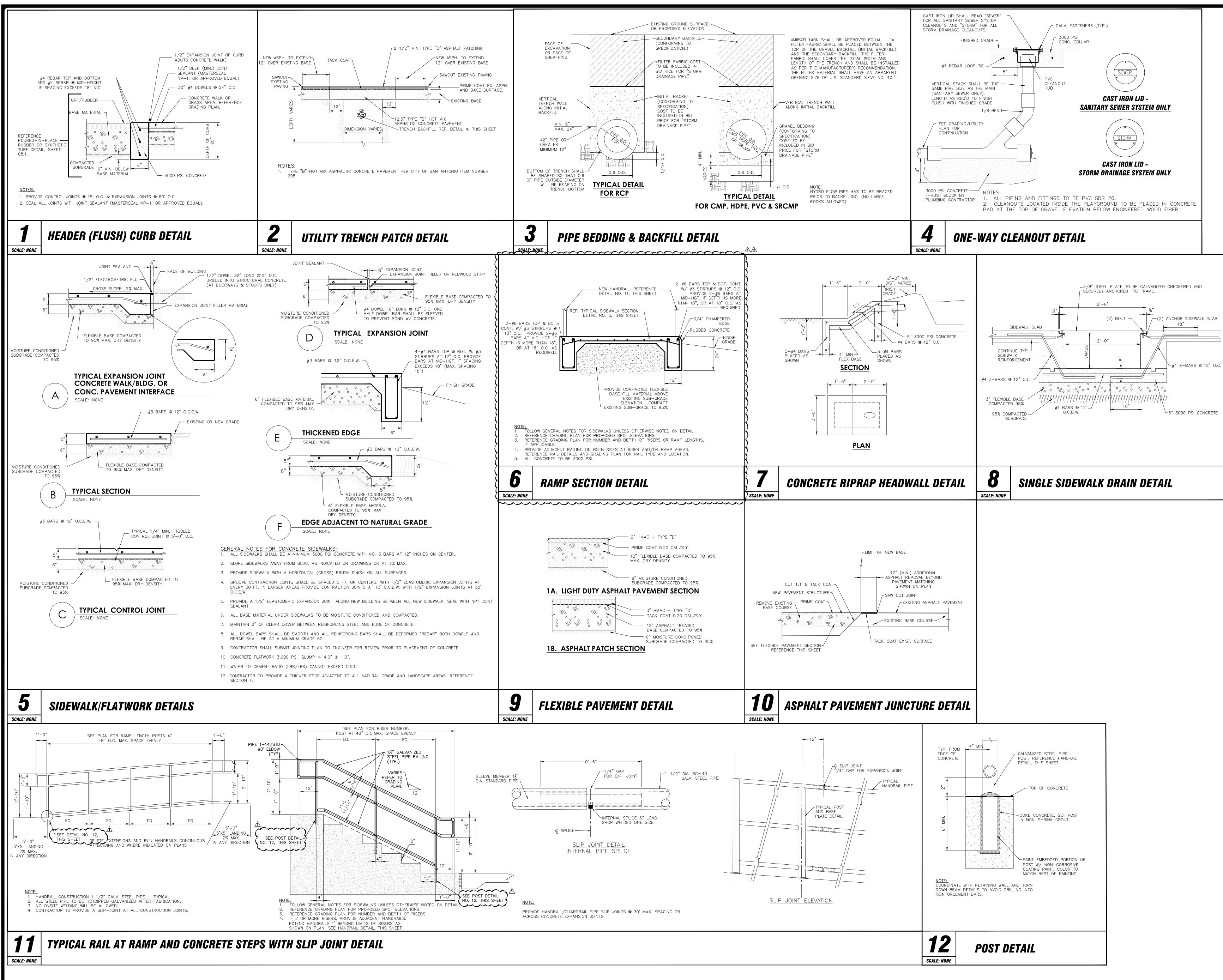
LEGEND)
802.97+	EXISTING SPOT ELEVATION
(XXX.XX) + TC NG INV TOG TOC TOB	PROPOSED ELEVATION TOP OF CURB ELEVATION NATURAL GROUND ELEVATION INVERT ELEVATION TOP OF GRATE ELEVATION TOP OF CONCRETE ELEVATION TOP OF COMPACTED BASE NEW CONTOUR
<u> </u>	EXISTING CONTOUR
>	CHAINLINK FENCE
\rightarrow	DRAINAGE FLOW ARROW
	EQUIPMENT FALL ZONE ARE
v v v	POURED-IN-PLACE RUBBER
	SYNTHETIC TURF
	NEW CONCRETE FLATWORK
	NEW CONCRETE RIPRAP

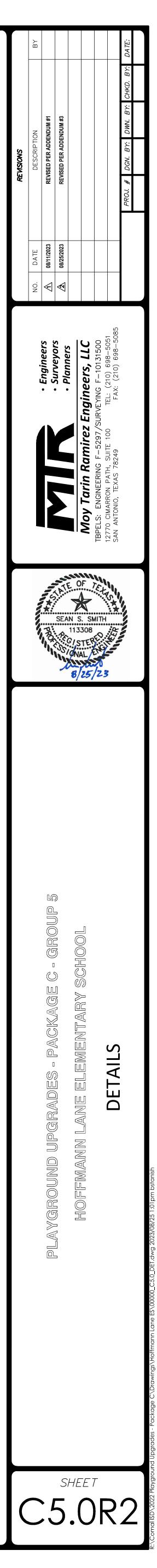
_	\sim	
Ę	• •	SITE GRADING/DRAINAGE KEYNOTES:
2	1	NEW CONCRETE SIDEWALK/FLATWORK. REFERENCE SECTION DETAIL NO. 5, SHEET C5.0.
{	2	NEW CONCRETE SIDEWALK/FLATWORK TO MATCH EXISTING. PROVIDE EXPANSION JOINT AT JUNCTURE PER DETAIL NO. 5, SHEET C5.0.
(3	EXISTING CONCRETE SIDEWALK/FLATWORK/STRUCTURAL CONCRETE TO REMAIN IN PLACE.
{	4	NEW SYNTHETIC TURF PLAYGROUND SECTION. REFERENCE DETAIL NO. 1, SHEET C5.1.
ζ	5	
2	6	NEW PLAYGROUND EQUIPMENT. CONTRACTOR TO INSTALL PLAYGROUND EQUIPMENT PER MANUFACTURING REQUIREMENTS.
8	7	NEW SHADE STRUCTURE. REFERENCE SPECIFICATIONS. REFERENCE
ζ	8	NEW DUAL FOUNDATION CANTILEVER SHADE STRUCTURE. REFERENCE
2	9	CONTRACTOR TO GRADE AREA TO DRAIN.
(10	NEW SOLID SOD. REFERENCE LANDSCAPING NOTES.
((11)	NEW 6" PERFORATED PIPE. REFERENCE DETAIL NO. 1, SHEET C5.1.
{	12	NEW SDR26 PVC DRAINAGE PIPING. REFERENCE SIZE, LENGTH AND INVERT ELEVATIONS SHOWN ON PLAN.
5	(13)	NEW CLEANOUT. REFERENCE DETAIL NO. 4, SHEET C5.0.
5	(14)	CONTRACTOR TO PROVIDE SANITARY WYE BEND CONNECTION.
2	(15)	CONTRACTOR TO PROVIDE MANUFACTURED BEND.
<pre>{</pre>	(16)	EXISTING CHAIN-LINK FENCE TO REMAIN IN PLACE. CONTRACTOR TO REMOVE AND REPLACE AS NECESSARY TO ALLOW FOR NEW CONSTRUCTION.
((17)	NEW 6' CHAIN-LINK FENCING. REFERENCE DETAIL NO. 2, SHEET C5.2.
~	18	NEW CONCRETE HEADER (FLUSH) CURB.
Ę	19	CONTRACTOR TO PROVIDE THICKENED EDGE. REFERENCE DETAIL NO. 5E, SHEET C5.0.
5	20	EXISTING GRATE INLET TO REMAIN IN PLACE. CONTRACTOR TO ADJUST LID TO FINISH GRADE.
>	21)	NEW LOCATION OF RELOCATED GAGA PIT.
ž	(22)	CONTRACTOR TO SEAL LINER AROUND PIPE AND TRANSITION TO SOLID PIPE. SEAL PER MANUFACTURER REQUIREMENTS.
2	23	NEW J-DRAIN MVP-12 12" FLAT DRAIN (NO FILTER SOCK) OR APPROVED EQUAL.
{	24	NEW CHAIN-LINK FENCE TO MATCH EXISTING. CONTRACTOR TO PROVIDE TERMINAL POST AT JUNCTURE.
5	25)	NEW HEADWALL. REFERENCE DETAIL NO. 7, SHEET C5.0.
>	26	NEW SIDEWALK DRAIN. REFERENCE DETAIL NO. 8, SHEET C5.0.
$\left\{ \right\}$	27)	CONCRETE RAMP AT 12:1 MAX. SLOPE. CONTRACTOR TO PROVIDE ADJACENT RAILS ON BOTH SIDES OF RAMP. RAILS TO EXTEND 1'-O" MIN. BEYOND LIMITS OF RAMP. REFERENCE RAMP LENGTH AND SPOT ELEVATIONS SHOWN ON PLAN. REFERENCE HANDRAIL DETAIL NO. 11, SHEET C5.0 AND SECTION DETAIL NO. 6, SHEET C5.0.
>	28	NEW ASPHALT PAVEMENT. REFERENCE DETAIL NO. 9, SHEET C5.0.
2	29	ASPHALT PAVEMENT TO MATCH EXISTING. REFERENCE DETAIL NO. 10, SHEET C5.0.
5	30	EXISTING ASPHALT PAVEMENT TO REMAIN IN PLACE.
5	<u>(31</u>)	NEW CONCRETE RIPRAP. REFERENCE DETAIL NO. 5, SHEET C5.0.
{	<u>32</u>	NEW 9' HIGH BASKETBALL GOAL. MIRACLE EQUIPMENT MODEL# 360-757 OR APPROVED EQUAL. CONTRACTOR TO INSTALL CONCRETE FOOTING PER MANUFACTURER REQUIREMENTS.
((33)	NEW HANDRAIL. REFERENCE DETAIL NO. 11, SHEET C5.0.

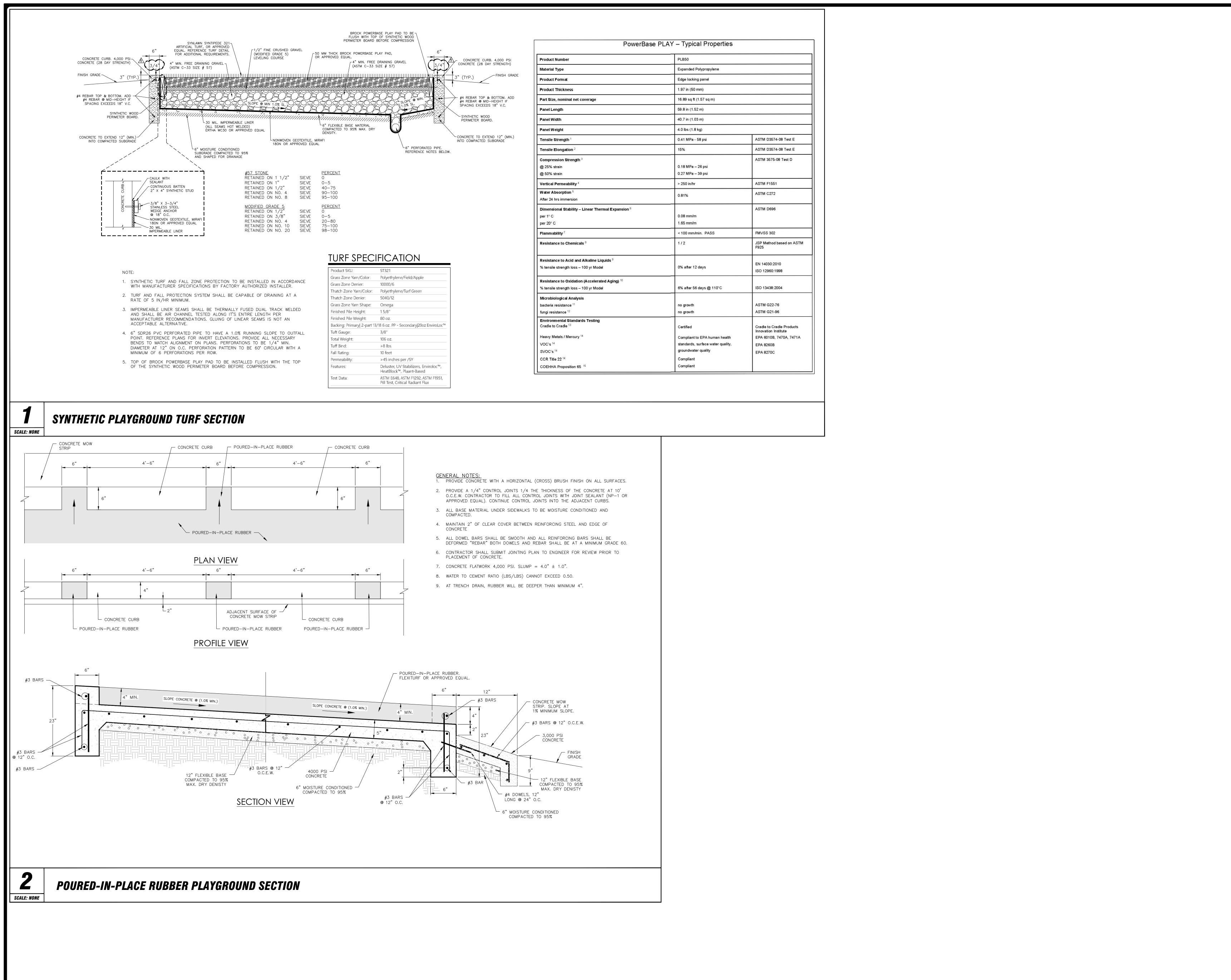


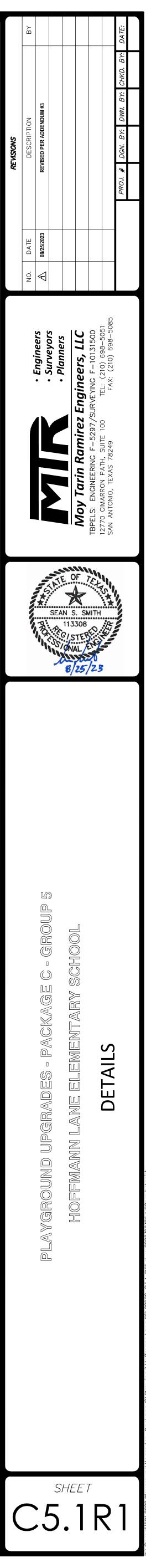


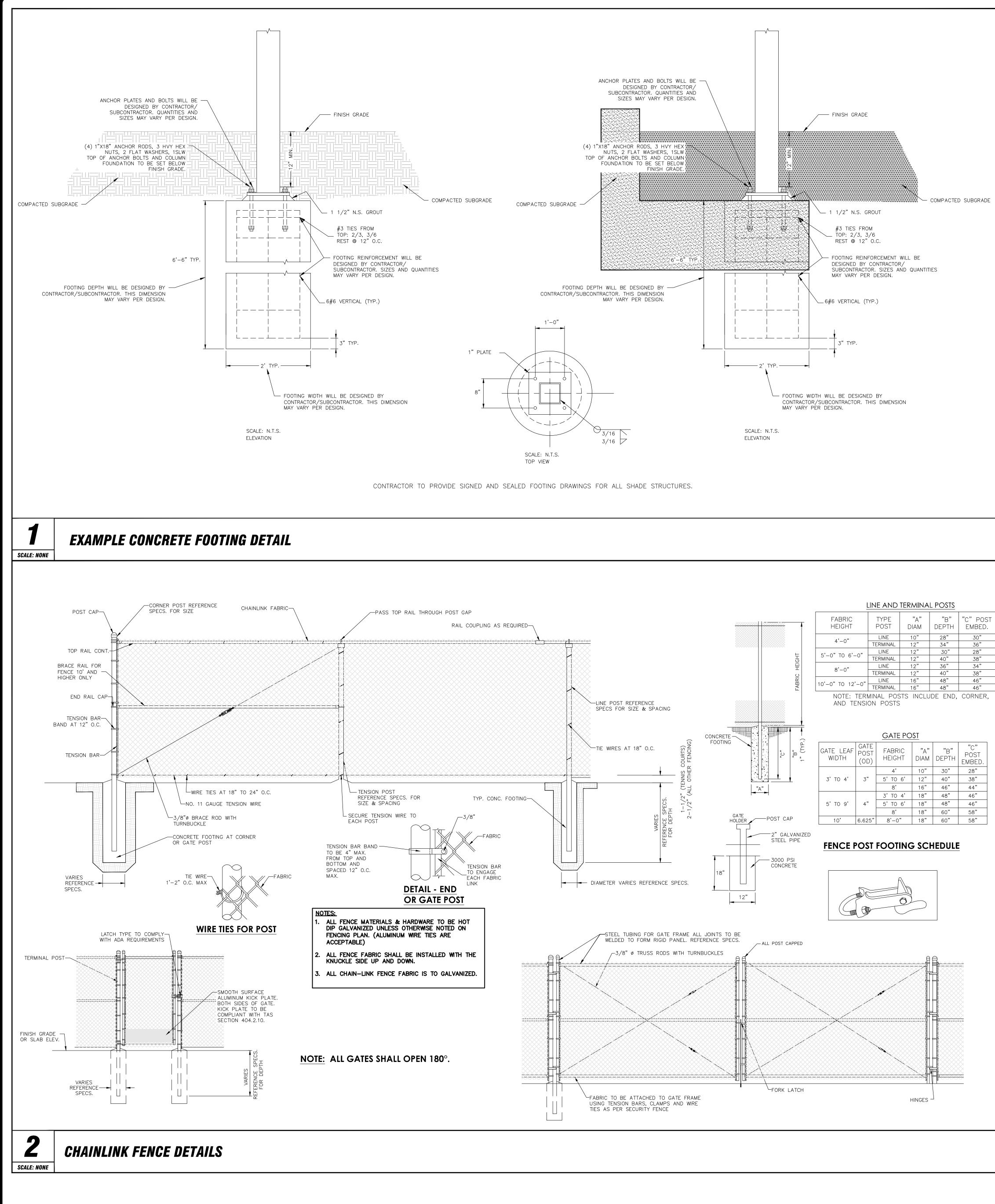
DV.2022 Plavaround Uparades - Package CVDrawings/Hoffmann Lane ES/00000 C4.2 GRAD dwg 20



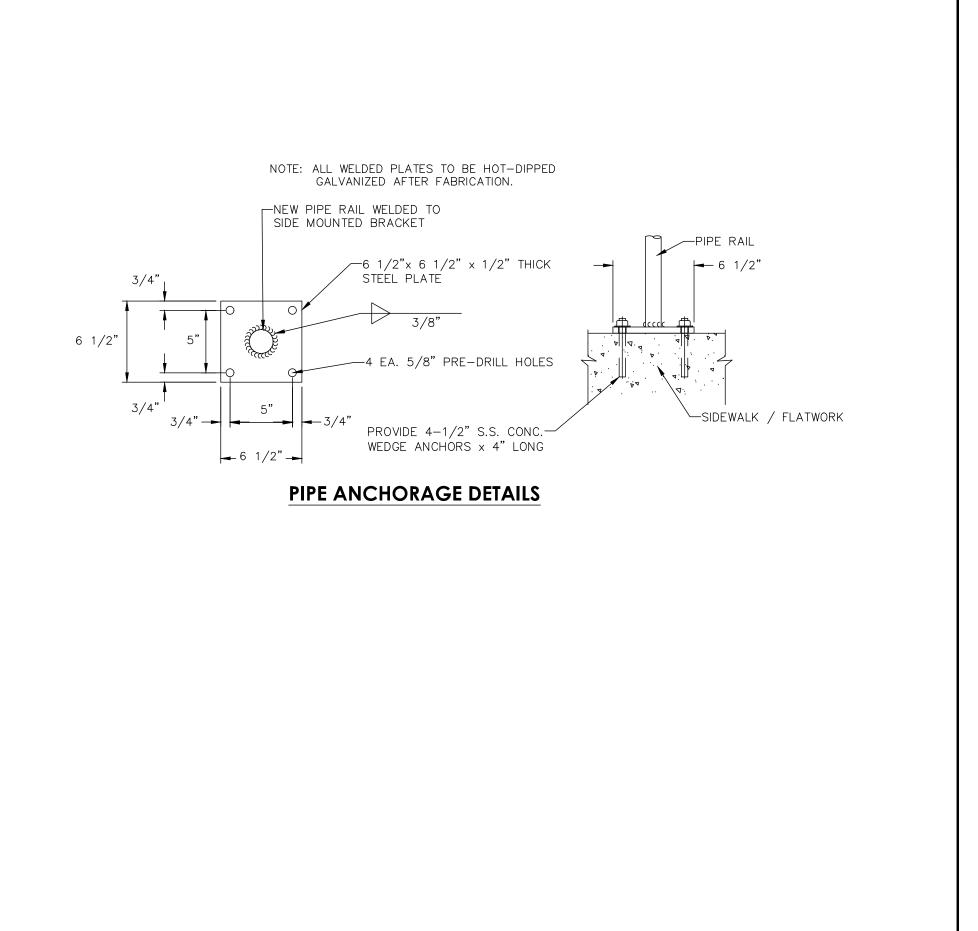


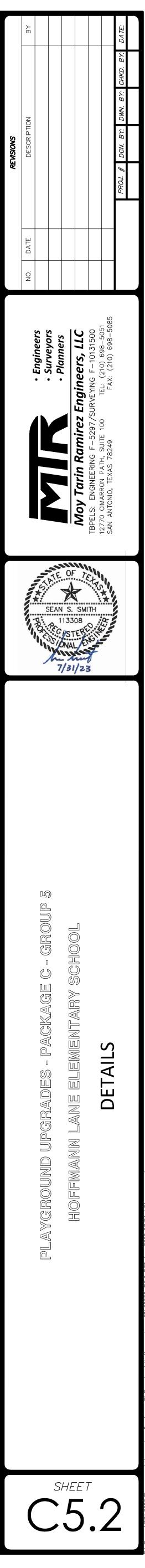












ATTACHMENT G

INSPECTION, MAINTENANCE, REPAIR AND RETROFIT PLAN

ENGINEERED VEGETATIVE FILTER STRIPS

Once a vegetated area is well established, little additional maintenance is generally necessary. The key to establishing a viable vegetated feature is the care and maintenance it receives in the first few months after it is planted. Once established, all vegetated BMPs require some basic maintenance to ensure the health of the plants including:

 \cdot Pest Management. An Integrated Pest Management (IPM) Plan should be developed for vegetated areas. This plan should specify how problem insects and weeds will be controlled with minimal or no use of insecticides and herbicides.

• Seasonal Mowing and Lawn Care. If the filter strip is made up of turf grass, it should be mowed as needed to limit vegetation height to 18 inches, using a mulching mower (or removal of clippings). If native grasses are used, the filter may require less frequent mowing, but a minimum of twice annually. Grass clippings and brush debris should not be deposited on vegetated filter strip areas. Regular mowing should also include weed control practices; however, herbicide use should be kept to a minimum (Urbonas et al., 1992). Healthy grass can be maintained without using fertilizers because runoff usually contains sufficient nutrients. Irrigation of the site can help assure a dense and healthy vegetative cover.

• Inspection. Inspect filter strips at least twice annually for erosion or damage to vegetation; however, additional inspection after periods of heavy runoff is most desirable. The strip should be checked for uniformity of grass cover, debris and litter, and areas of sediment accumulation. More frequent inspections of the grass cover during the first few years after establishment will help to determine if any problems are developing, and to plan for long-term restorative maintenance needs. Bare spots and areas of erosion identified during semi-annual inspections must be replanted and restored to meet specifications. Construction of a level spreader device may be necessary to reestablish shallow overland flow.

• Debris and Litter Removal. Trash tends to accumulate in vegetated areas, particularly along highways. Any filter strip structures (i.e., level spreaders) should be kept free of obstructions to reduce floatables being flushed downstream, and for aesthetic reasons.

The need for this practice is determined through periodic inspection, but should be performed no less than 4 times per year.

• Sediment Removal. Sediment removal is not normally required in filter strips, since the vegetation normally grows through it and binds it to the soil. However, sediment may accumulate along the upstream boundary of the strip preventing uniform overland flow. Excess sediment should be removed by hand or with flat-bottomed shovels.

• Grass Reseeding and Mulching. A healthy dense grass should be maintained on the filter strip. If areas are eroded, they should be filled, compacted, and reseeded so that the final grade is level. Grass damaged during the sediment removal process should be promptly replaced using the same seed mix used during filter strip establishment. If possible, flow should be diverted from the damaged areas until the grass is firmly established. Bare spots and areas of erosion identified during semi-annual inspections must be replanted and restored to meet specifications. Corrective maintenance, such as weeding or replanting should be done more frequently in the first two to three years after installation to ensure stabilization. Dense vegetation may require irrigation immediately after planting, and during particularly dry periods, particularly as the vegetation is initially established.

RECORD KEEPING

Maintenance and inspection records should be kept on file by the Owner of the permanent BMPs for a period of at least three (3) years. Repair and retrofit records should be kept on file by the Owner of the permanent BMPs for a period of at least five (5) years.

hogonon 111 Print Name 4 Signature of Applicant/Owner/Agent

023 9 Date

ATTACHMENT I

MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

Both permanent and temporary BMP's, as shown on the WPAP Site Plan, shall be used to minimize contamination to surface streams, both during and after construction. During construction, temporary BMPs will consist of silt fence, bagged gravel inlet filters, and rock berms. After construction, the permanent BMPs for the overall site will consist of the existing grassy swales, VFS, and extended detention basin as well as the proposed JellyFish Filter system and proposed VFS.

The proposed BMPs and other storm drainage systems are designed to avoid or minimize surface stream contamination and changes in the way in which water enters a stream. The runoff from the increase in impervious cover will be treated with the existing partial sedimentation/filtration basin and new vegetative filter strips.

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

I John E. Chapman III	
	Print Name
	Superintendent
	Title - Owner/President/Other
of	Comal Independent School District , Corporation/Partnership/Entity Name
have authorized	Moy Tarin Ramirez Engineers, LLC
	Print Name of Agent/Engineer
of	Moy Tarin Ramirez Engineers, LLC 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.

TCEQ-0599 (Rev.04/01/2010)

Page 1 of 2

SIGNATURE PAGE:

Applicant's Signature

pt. 14/2023 Date

THE STATE OF § County of § Om

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

GIVEN under my hand and seal of office on this $\frac{14}{2}$ day of <u>Sept</u> 2023 NOTAR PUBLIC Arcia. MA Typed or Printed Name of Notary

May 3 2026 MY COMMISSION EXPIRES:

TCEQ-0599 (Rev.04/01/2010)

Page 2 of 2

Application Fee Form

Texas Commission on Environmental Quality			
Name of Proposed Regulated Entity: COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL			
Regulated Entity Location: <u>4600 FM306, New Braunfels, TX 78132</u>			
Name of Customer: <u>Comal ISD</u>			
Contact Person: Jeffrey Smith	Phor	ne: <u>830-221-2000</u>	
Customer Reference Number (if issu	ued):CN <u>600249825</u>		
Regulated Entity Reference Number	r (if issued):RN <u>10128</u>	31202	
Austin Regional Office (3373)			
Hays	Travis		/illiamson
San Antonio Regional Office (3362)			indifisori
	_	—	
Bexar	Medina		valde
🔀 Comal	Kinney		
Application fees must be paid by ch			
Commission on Environmental Qua	5 7 0		
form must be submitted with your	fee payment. This p	ayment is being subm	itted to:
Austin Regional Office	⊠ s	an Antonio Regional C	Office
Mailed to: TCEQ - Cashier		overnight Delivery to:	TCEQ - Cashier
Revenues Section	1	2100 Park 35 Circle	
Mail Code 214		uilding A, 3rd Floor	
P.O. Box 13088 Austin, TX 78753			
Austin, TX 78711-3088			
Site Location (Check All That Apply):			
Recharge Zone Contributing Zone Transition Zone			
Type of Plan		Size	Fee Due
Water Pollution Abatement Plan, Co	-	_	
Plan: One Single Family Residential [Acres	\$
Water Pollution Abatement Plan, Co	Ū		
Plan: Multiple Single Family Residen		Acres	\$
Water Pollution Abatement Plan, Co	ontributing Zone	24.27.4	4 5 5 5 5 5 5
Plan: Non-residential		21.37 Acres	\$ 6,500.00
Sewage Collection System		L.F.	\$
Lift Stations without sewer lines		Acres	\$
Underground or Aboveground Stora	ge Tank Facility	Tanks	\$
Piping System(s)(only)		Each	\$
Exception		Each	\$
Extension of Time		Each	\$
Signature:	Date:	<u>9/21/2023</u>	

TCEQ-0574 (Rev. 02-24-15)

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

Project	Project Area in Acres	Fee
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$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



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason fo	or Submis	sion (If other is c	hecked pleas	e descri	be in space	e provia	led.)					
New Pe	rmit, Regis	stration or Authori	zation (Core	Data Foi	rm should l	be subr	nitted w	ith the p	rogram a	application	n.)	
🗌 Renewa	Renewal (Core Data Form should be submitted with the renewal form) Other											
2. Customer	^r Referenc	e Number <i>(if iss</i>	ued)	Follow this link to search		3. Re	gulated	Entity R	eference	e Number <i>(i</i>	if issued)	
CN 6002	49825				or RN numb ntral Registr		RN 101281202					
SECTION II: Customer Information												
4. General C	ustomer I	nformation	5. Effective	e Date fo	or Custom	er Info	rmation	Update	es (mm/c	ld/yyyy)		
New Cust	tomer			Update	to Custome	er Inforr	nation			hange in	Regulated E	Entity Ownership
Change in	Legal Na	me (Verifiable wit	h the Texas S	Secretary	of State c	or Texas	s Compt	roller of	Public A	ccounts)	-	
The Custo	mer Nar	ne submitted	here may	be upa	lated aut	tomati	ically l	based	on wha	at is cu	rrent and	active with the
Texas Sec	retary o	f State (SOS)	or Texas C	Comptr	oller of l	Public	Ассо	unts (CPA).			
6. Customer	Legal Na	me (If an individual	l, print last nam	ne first: eg	g: Doe, Johr	ı)	lf	new Cu	stomer, e	nter previ	ous Custome	er below:
7. TX SOS/C	DA Eiling	Numbor	9 TV State		(44 -1:-::4-)		0	Fodor	al Tax ID	(0 -1::		S Number (if applicable
1. 18 303/0	FATIIII	number	o. IA State	e Tax ID (11 digits) 9. Fec			reuera		(9 digits)	IU. DOIN		
		_										
11. Type of C	Customer:	Corporati	on		🗌 Indiv	vidual	Partnership: General Limited					
	-	County 🗌 Federal 🗌] State 🗌 Othe	r	🗌 Sole	Proprie	etorship]	Other:			
12. Number					13. Independently Owned and Operate			ited?				
0-20	21-100	101-250	251-500		501 and hi	<u> </u>		Yes		No		
	e r Role (Pr	oposed or Actual) -		o the Reg	-			rm. Pleas	se check d	one of the	following	
Owner		Operat				& Ope						
	nal Licens	ee 🔄 Respo	nsible Party			ary Clea	anup Ap	plicant)ther:		
15. Mailing Address:	15. Mailing											
Address.	City			St	ate		ZIP				ZIP + 4	
16. Country Mailing Information (if outside USA) 17. E-Mail Address (if applicable)												
18. Telephor	ne Numbe	r		19. Ex	tension o	r Code			20. Fax	Numbe	r (if applical	ble)
	_								()	_	
\ <i>\</i>									`	1		

SECTION III: Regulated Entity Information

 21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)

 New Regulated Entity
 Update to Regulated Entity Name

 Update to Regulated Entity
 Update to Regulated Entity Name

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

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

COMAL ISD HOFFMAN LANE ELEMENTARY SCHOOL

23. Street Address of	4600 FN	/1306					
the Regulated Entity:							
(No PO Boxes)	City	NewBraunfels	State	TX	ZIP	78132	ZIP + 4
24. County	Comal						

Enter Phy	vsical Location	Description if no	street address is	provided.

25. Description to Physical Location:	4600 FI	M 306.								
26. Nearest City						State	12		Vearest	ZIP Code
New Braunfels						TX		ŕ	78132	
27. Latitude (N) In Deci	mal:	29.7915500	00 28. Longitude			ude (W) In Decimal:		98.10382778		
Degrees	Degrees Minutes Seconds			Degi	ees	Mir	Minutes		Seconds	
29		47	29.58		98 06 13			13.78		
29. Primary SIC Code (4 digits) 30. Secondary SIC Code (4 digits) (5 or 6 digits) 30. Secondary SIC Code (4 digits) (5 or 6 digits) 32. Secondary NAICS Code (5 or 6 digits)						Code				
8211				611110	11110					
33. What is the Primary	Business	of this entity?	(Do not repeat the SIC	or NAICS des	cription.)					
Elementary School										
	4600 FM306									
34. Mailing Address:										
Address.	City	New Braunf	els State	тх	ZIP	781	32	ZIP +	4	
35. E-Mail Address				jeffrey.smit	n@comalis	d.org				
36. Teleph	one Numb	er	37. Extens	ion or Code	on or Code 38. Fax Number <i>(if applica</i>			plicab	le)	
(830) 221-2000 ()) -				

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	Waste Water	Wastewater Agriculture	Water Rights	Other:

SECTION IV: Preparer Information

40. Name: Sean Smith, P.E.		41. Title: Senior Vice President				
42. Telephone Number 43. Ext./Code	44. Fax Number	45. E-Mail Address				
(210) 698-5051	(210)698-5085	ssmith@	mtrengineers.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:	Moy Tarin Ramirez Engineers, LLC	Senior Vice President				
Name (In Print):	Sean Smith, P.E.		F	Phone:	(210) 698- 5051	
Signature:	the Ant		0	Date:	9/21/23	