TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 6, 2023

Mr. Alejandro Araujo
Comal Independent School District
1404 IH-35 North
New Braunfels, Texas 78130-2817

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: CISD Arlon Seay ES and Spring Branch MS; Located at 20911 State Hwy 46 W, Spring Branch, Texas

TYPE OF PLAN: Request for Modification of an Approved Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Regulated Entity No. RN105230361; Additional ID No. 13001635

Dear Mr. Araujo:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Modification for the above-referenced project submitted to the San Antonio Regional Office by Moy Tarin Ramirez Engineers, LLC on October 14, 2022. Final review of the CZP Modification was completed after additional material was received on December 1, 2022, and December 19, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected 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 23 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.*

BACKGROUND

The CISD Arlon Seay Elementary School CZP was approved by letter dated August 3, 2007, with subsequent modifications. The CISD Spring Branch Middle School CZP was approved by letter dated March 7, 2008, with subsequent modifications.

The Elementary School and the Middle School have the same legal boundary and as presented in this modification are being combined with a total site acreage of 62.59 acres. Existing permanent BMPs include vegetative filter strips and two (2) sedimentation filtration basins.

PROJECT DESCRIPTION

This modification proposes to construct new playground equipment, new rubberized surface, and artificial turf areas along with new concrete flatwork at the Arlon Seay Elementary School. In addition, a parking lot at the Spring Branch Middle School will be demolished and reconstructed in the existing parking lot footprint. The combined acreage of the schools that exist within the same legal boundary totals 62.59 acres. Newly proposed impervious cover will increase by 0.37 acres for the playground improvements bringing the total site impervious cover to 17.26 acres (27.57 percent). Project wastewater will be disposed of by conveyance to the existing Spring Branch Middle School Wastewater Treatment Plant owned and operated by the Comal Independent School District.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or up-gradient of the site and potentially flowing across and off the site after construction, one (1) JellyFish system and three (3) engineered vegetative filter strips, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 332 pounds of TSS generated from the 0.37 acres of new impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

SPECIAL CONDITIONS

I. This modification is subject to all Special and Standard Conditions listed in the CZP approval letters dated August 3, 2007, for the CISD Arlon Seay Elementary School and March 7, 2008 for the CISD Spring Branch Middle School along with subsequent modifications.

II. The permanent pollution abatement measures shall be operational prior to first occupancy of the improved playground area.

III. All sediment and/or media removed from the JellyFish system 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. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.

5. Any modification to the activities described in the referenced CZP 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.
6. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

<u>During Construction:</u>

8. 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.
9. 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 significantly reduced. 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).
10. Intentional discharges of sediment laden 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.
11. 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.
12. 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.
13. 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. 5, above.

After Completion of Construction:

14. 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.
15. 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.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.
17. A Contributing Zone 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 Contributing Zone 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.
18. 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.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Dianne Pavlicek-Mesa, P.G., of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210-403-4074.

Sincerely,

Lillian Butler

Lillian Butler, Section Manager
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality

LIB/dpm

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Sean Smith, P.E., Moy, Tarin, Ramirez Engineers, LLC

Change in Responsibility for Maintenance
on Permanent Best Management Practices and Measures

The applicant is no longer responsible for maintaining the permanent best management practice (BMP) and other measures. The project information and the new entity responsible for maintenance is listed below.

Customer: _____

Regulated Entity Name: _____

Site Address: _____

City, Texas, Zip: _____

County: _____

Approval Letter Date: _____

BMPs for the project: _____

New Responsible Party: _____

Name of contact: _____

Mailing Address: _____

City, State: _____ Zip: _____

Telephone: _____ FAX: _____

_____ _____

Signature of New Responsible Party Date

I acknowledge and understand that I am assuming full responsibility for maintaining all permanent best management practices and measures approved by the TCEQ for the site, until another entity assumes such obligations in writing or ownership is transferred.

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

CONTRIBUTING ZONE
PLAN MODIFICATION
FOR
CISD – ARLON SEAY ES AND SPRING BRANCH MS

PREPARED FOR:

COMAL ISD
Comal Independent School District

DATE: OCTOBER 2022

PREPARED BY:

MTR
• Engineers
• Surveyors
• Planners

Moy Tarin Ramirez Engineers, LLC

12770 Cimarron Path, Ste 100 San Antonio, TX 78249
TBPE Firm #5297, TBPLS Firm #10131500
Phone 210-698-5051 – Fax 210-698-5085
MTR JOB #21288

ARLON SEAY ES AND SPRING BRANCH MS
CONTRIBUTING ZONE 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 30 TAC 213.

Administrative Review

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

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

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

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

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

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

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

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

Technical Review

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

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.
3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or if not withdrawn the application will be denied and 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 to you:

- You can withdraw your application, and your fees will be refunded or credited for a resubmittal.
- 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 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 effected 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: CISD Arlon Seay Elementary School					**2. Regulated Entity No.: 105230361**			
3. Customer Name: Comal ISD					**4. Customer No.: 600249825**			
5. Project Type: **(Please circle/check one)**	New	Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential	Non-residential			**8. Site (acres):**			62.590 acres
9. Application Fee:	$8,000	**10. Permanent BMP(s):**			VFS, Sand Filtration Pond, JellyFish			
11. SCS (Linear Ft.):	N/A	**12. AST/UST (No. Tanks):**			N/A			
13. County:	Comal	**14. Watershed:**			Headwaters Cibolo Creek			

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the "Texas Groundwater Conservation Districts within the EAPP Boundaries" map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

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

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	___	___	___
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

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	___	_X_	___	___	___
Region (1 req.)	___	_X_	___	___	___
County(ies)	___	_X_	___	___	___
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___Trinity-Glen Rose	_X_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	_X_Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.
Sean Smith, P.E. Print Name of Customer/Authorized Agent
Signature of Customer/Authorized Agent Date 10/7/2022

FOR TCEQ INTERNAL USE ONLY				
Date(s)Reviewed:		Date Administratively Complete:		
Received From:		Correct Number of Copies:		
Received By:		Distribution Date:		
EAPP File Number:		Complex:		
Admin. Review(s) (No.):		No. AR Rounds:		
Delinquent Fees (Y/N):		Review Time Spent:		
Lat./Long. Verified:		SOS Customer Verification:		
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):	
Core Data Form Complete (Y/N):			Signed (Y/N):	
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):	

Modification of a Previously Approved Contributing Zone 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.

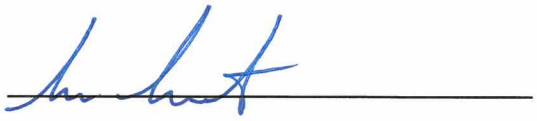
Signature

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 **Modification of a Previously Approved Contributing Zone 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: 10/7/2022

Signature of Customer/Agent:



Project Information

1. Current Regulated Entity Name: CISD Arlon Seay Elementary School
   Original Regulated Entity Name: CISD Arlon Seay Elementary School
   Assigned Regulated Entity Number(s) (RN): 105230361
   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):

☐ Any physical or operational modification of any best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
☐ Any change in the nature or character of the regulated activity from that which was originally approved;
☐ A change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
☒ Any development of land previously identified in a contributing zone plan as undeveloped.

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.

CZP Modification Summary	***Approved Project***	***Proposed Modification***
Acres	See Attached Summary	62.590
Type of Development	_____	Elementary/Middle School
Number of Residential Lots	_____	0
Impervious Cover (acres)	_____	17.26
Impervious Cover (%)	_____	27.58
Permanent BMPs	_____	See Attached Summary
Other	_____	_____

AST Modification Summary	***Approved Project***	***Proposed Modification***
Number of ASTs	_____	_____
Other	_____	_____

UST Modification Summary	***Approved Project***	***Proposed Modification***
Number of USTs	_____	_____
Other	_____	_____

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 previous modifications, and how this proposed modification will change the approved plan.

6. ☒ **Attachment C: Current Site Plan of the Approved Projec**t. 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. ☐ Acreage has not been added to or removed from the approved plan.
   ☒ Acreage has been added to or removed from the approved plan and is discussed in *Attachment B: Narrative of Proposed Modification*.

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.

SUMMARY OF PREVIOUS & PROPOSED MODIFICATIONS

CZP Modification Summary	***Pre-June 1, 1999 (Spring Branch MS)***	***Original CZP (Spring Branch MS)***	***Approved Modification 1 (Spring Branch MS)***	***Approved Project Modification 2 (Spring Branch MS)***
Acres	42.3	42.3	42.3	42.3
Type of Development	Middle School	Middle School	Middle School	Middle School
Number of Residential Lots	N/A	N/A	N/A	N/A
Total Impervious Cover (acres)	8.02	8.02	11.02	10.68
Impervious Cover (%)	18.96%	18.96%	26.05%	25.25%
Permanent BMPs	N/A	None	Proposed Sand Filtration Pond	Existing Sand Filtration Pond
Other	N/A	N/A	N/A	N/A
Approval Letter Date	N/A	March 7, 2008	July 7, 2009	May 20, 2020

CZP Modification Summary	***Pre-June 1, 1999 (Arlon Seay ES)***	***Original CZP (Arlon Seay ES)***	***Approved Modification 1 (Arlon Seay ES)***	***Proposed Project Modification 2 (Both Schools)***
Acres	20.29	20.29	20.29	62.59
Type of Development	Elementary School	Elementary School	Elementary School	Elementary School/Middle School
Number of Residential Lots	N/A	N/A	N/A	N/A
Total Impervious Cover (acres)	4.98	5.47	6.12	17.26
Impervious Cover (%)	24.54%	26.96%	30.16%	27.58%
Permanent BMPs	None	Proposed VFS, Proposed Sand Filtration Pond	Existing VFS, Existing Sand Filtration Pond	Existing and Proposed VFS, Existing Sand Filtration Pond, Proposed JellyFish Filter
Other	N/A	N/A	N/A	N/A
Approval Letter Date	N/A	August 3, 2007	November 19, 2007	

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 3, 2007

Mr. Thomas Bloxham
Comal Independent School District
1404 I-35 North
New Braunfels, Texas 78130

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: CISD Arlon Seay Elementary School; Located on Hwy 46, west of Hwy 281; Comal County, Texas
TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer;
Edwards Aquifer Protection Program ID No. 2663.00; Investigation No. 562781; Regulated Entity No. RN105230361

Dear Mr. Bloxham:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the San Antonio Regional Office by Moy Civil Engineers on behalf of Comal Independent School District on May 25, 2007. Final review of the CZP was completed after additional material was received on July 27, 2007. 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 23 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

The proposed commercial (school) project will have an area of approximately 20.29 acres. It will include the renovations and improvements to an existing school site. There is 4.98 acres of existing impervious cover and the final impervious cover will be 5.47 acres (27%). According to a letter dated March 7, 2007 (Permit No. WQ0013812002), signed by the Texas Commission on Environmental Quality, 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, six vegetative (engineered) filter strips designed using the TCEQ technical guidance document, "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices" (2005) will be constructed to treat stormwater runoff. The individual treatment measures will consist of an engineered filter strip that runs the entire length of the contributing area and is at least 15 feet wide in the direction of flow with 80% minimum vegetative

coverage. There is 0.50 acres of impervious cover contributing to the engineered filter strips. The approved measures meet the required 80 percent removal of the increased load in total suspended solids caused by the project.

SPECIAL CONDITIONS

I. The holder of the approved Edwards Aquifer CZP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.

II. 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 format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.

III. Any permanent pollution abatement measure shall be operational prior to occupancy or use of the facility within the BMP's respective drainage area.

IV. 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.

V. For any future modification, the impervious cover summary tables and TSS Load Removed by BMPs (provided in the July 26, 2007 deficiency notice response) shall be updated and included in the modification application. It is the responsibility of the applicant to maintain this information and keep it current.

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.

Prior to Commencement of Construction:

2. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.

3. Any modification to the activities described in the referenced CZP 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.

4. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

During Construction:

6. 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.

7. 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 significantly reduced. 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).

8. 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.

9. 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:

10. 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.

11. 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.

12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.

13. A Contributing Zone 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 Contributing Zone 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.

14. 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 Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/eg

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

cc: Mr. Duane Moy, P.E., Moy Civil Engineers
Mr. Robert Potts, Edwards Aquifer Authority
Mr. Tom Hornseth, Comal County
TCEQ Central Records, Building F, MC 212

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2007

Mr. Thomas Bloxham
Comal Independent School District
1404 IH-35 N
New Braunfels, Texas 78130

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: CISD Arlon Seay Elementary School; Located on Highway 46, west of Highway 281; Comal County, Texas
TYPE OF PLAN: Request for Modification of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
Edwards Aquifer Protection Program ID No. 2663.01; Investigation No. 593748; Regulated Entity No. RN105230361

Dear Mr. Bloxham:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for modification of the approved CZP 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 31, 2007. Final review of the WPAP was completed after additional material was received on October 24, 2007 and November 9, 2007. 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 23 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.*

BACKGROUND

The 20.29 acre site was originally approved on August 3, 2007 to remodel an existing elementary school. The existing impervious cover before the approval was 4.98 acres and the approved CZP added 0.49 acres (5.47 acres total). Six engineered filter strips were approved to treat the increase in total suspended solids from the site. This proposed modification will add additional parking to the site, modify previously approved filter strips and add additional filter strips.

PROJECT DESCRIPTION

The proposed commercial (elementary school) project will have an area of approximately 20.29 acres. It will include the addition of parking spaces and construction of vegetative filter strips and a water quality basin at the project site. There is 5.47 acres of existing impervious cover. This project will add 0.65

acres of impervious cover. The final impervious cover for the proposed site will be 6.12 acres (30.2%). According to a letter dated, March 7, 2007 (Permit No. WQ0013812002), signed by the TCEQ, 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 sedimentation filtration basin and vegetative (engineered) filter strips, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) will be constructed to treat stormwater runoff. For simplicity and since previously approved filter strips will be modified by this approval, the TSS calculations and basin sizing requirements will be based upon the increase of impervious cover from the original 4.98 acres. The required total suspended solids (TSS) treatment for this project is 1,023.3 pounds of TSS generated from the 1.14 acres of regulated impervious cover (0.49 acres from original approval and 0.65 acres from this approval). 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 0.32 acres of impervious cover from a watershed of 0.32 acres and 287.2 pounds of TSS. The total capture volume for the basin is 2,646 cubic feet (2,091 cubic feet required) and a sand filter area of 420 square feet (209 square feet required.

Five new engineered filter strips (V.S. 7, V.S. 8, V.S. 9, V.S. 10 and V.S. 11) will be constructed to treat 230.1 pounds of TSS from 0.2563 acres of impervious cover. Three previously approved filter strips (V.S. 1, V.S. 2 and V.S. 6) will be modified and treat 247.2 pounds of TSS from 0.2800 acres of impervious cover. Three previously approved filter strips (V.S. 3, V.S. 4 and V.S 5) will remain unchanged and treat 336.7 pounds of TSS from 0.3751 acres of impervious cover. The filter strips will extend along the entire length of the contributing area with a minimum width of 15 feet, a slope of 20 percent or less and a minimum vegetated cover of 80 percent.

Engineered Filter Strips at Arlon Seay Elementary School				
	Status	Aug. 3, 2007 Approved Contributing Area (ac)	New Proposed Contributing Area (ac)	New Proposed TSS Removal (lb/year)
V.S. 1	Modified	0.0272	0.1264	113.42
V.S. 2	Modified	0.0370	0.0556	49.89
V.S. 3	Unchanged	0.0205	0.0205	18.44
V.S. 4	Unchanged	0.0292	0.0292	26.17
V.S. 5	Unchanged	0.3254	0.3254	292.11
V.S. 6	Modified	0.0653	0.0934	83.85
V.S. 7	New	---	0.0352	31.61
V.S. 8	New	---	0.0291	26.15
V.S. 9	New	---	0.0618	55.47
V.S. 10	New	---	0.0277	24.89
V.S. 11	New	---	0.1025	91.96
	Total	0.5046	0.9068	813.96

SPECIAL CONDITIONS

I. The holder of the approved Edwards Aquifer CZP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.

II. 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 format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.

III. This modification is subject to all Special and Standard Conditions listed in the CZP approval letter dated August 3, 2007.

IV. Permanent pollution abatement measures shall be operational prior to use of the parking lots within the catchment area of the abatement measure.

V. 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.

VI. 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.

VII. 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.

VIII. Velocity controls may be required for stormwater entering the water quality basin if it becomes evident that the resuspension of solids in the water column is occurring.

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.

Prior to Commencement of Construction:

2. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.

3. Any modification to the activities described in the referenced CZP 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.

4. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

During Construction:

6. 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.

7. 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 significantly reduced. 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).

8. 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.

9. 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:

10. 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.

11. 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.

12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.

13. A Contributing Zone 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 Contributing Zone 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.

14. 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 Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/eg

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

cc: Mr. Duane Moy, P.E., Moy Civil Engineers
Mr. Tom Hornseth, Comal County
Ms. Velma Danielson, Edwards Aquifer Authority
TCEQ Central Records, Building F, MC 212

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 7, 2009

Mr. Thomas Bloxham
Comal Independent School District
1404 I-35 North
New Braunfels, TX 78130

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: CISD Spring Branch Middle School; Located 21053 Hwy 46 West; Bulverde, Texas
TYPE OF PLAN: Request for Modification of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
Edwards Aquifer Protection Program ID No.: 2760.01; Investigation No. 748247
Regulated Entity No. RN105442313

Dear Mr. Bloxham:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for modification of the approved CZP for the above-referenced project submitted to the San Antonio Regional Office by Moy Civil Engineers on behalf of Comal Independent School District on May 29, 2009. Final review of the CZP was completed after additional material was received on June 24, 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 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 23 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.*

BACKGROUND

CISD Spring Branch Middle School is an existing 42.30 acre school site with 8.02 acres of impervious cover constructed prior to TCEQ regulations on the Contributing Zone. The first CZP was approved by letter on March 7, 2008 and included the addition of a football practice field to the existing school site. There was no increase in impervious cover from the practice field and the total impervious cover for the site remained at 8.02 acres.

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 42.30 acres with 12.10 acres disturbed for the project. It will include the expansion of two school buildings, additional driveways, and the construction of an EMS station and fire station. The increase in impervious cover is 3.00 acres for a total impervious cover at the site of 11.02 acres (26.05 percent). Project wastewater will be disposed of by conveyance to the proposed Spring Branch Middle School Wastewater Treatment Plant owned by Comal Independent School District.

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 single chamber partial sand filter basin designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 2,693 pounds of TSS generated from the 3.0 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 sand filter basin designed to capture 3.24 acres total area and 3.22 acres of impervious cover. The basin will be concrete lined with a sand filter layer of 18 inches and a gravel layer of 6 inches with 4 inch diameter perforated PVC pipe. The designed water volume is 13,891 cubic feet (13,282 cubic feet required) and a sand filter area of 1,343 square feet (1,328 square feet required).

SPECIAL CONDITIONS

I. 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 format (Deed Recordation Affidavit, TCEQ-0625A) that you may use to deed record the approved CZP is enclosed.

II. This modification is subject to all Special and Standard Conditions listed in the CZP approval letter dated March 7, 2008.

III. The permanent pollution abatement measure shall be operational prior to occupancy or use of any of the proposed facilities approved in this CZP modification.

IV. 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 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. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.

5. Any modification to the activities described in the referenced CZP 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.

6. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

During Construction:

8. 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.

9. 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 significantly reduced. 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).

10. 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.

11. 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.

12. 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.

13. 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. 5, above.

<u>After Completion of Construction:</u>

14. 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.

15. 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.

16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.

17. A Contributing Zone 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 Contributing Zone 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.

18. 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 Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

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

MRV/CEF/eg

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

cc: Mr. Duane Moy, P.E., Moy Civil Engineers
Ms. John Nowak, City of Bulverde
Mr. Tom Hornseth, P.E., Comal County
Ms. Velma Danielson, Edwards Aquifer Authority
TCEQ Central Records, Building F, MC212

EXHIBIT "A"

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 7, 2008

Mr. Thomas Bloxham
Comal Independent School District
1404 IH-35 North
New Braunfels, Texas 78130

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: CISD Spring Branch Middle School; Located on the south side of Highway 46, west of Highway 281; Bulverde ETJ, Texas
TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
Edwards Aquifer Protection Program ID No. 2760.00; Investigation No. 616490; Regulated Entity No. RN105442313

Dear Mr. Bloxham:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the San Antonio Regional Office by Moy Civil Engineers on behalf of Comal Independent School District on January 28, 2008. Final review of the CZP was completed after additional material was received on March 4, 2008. As presented to the TCEQ, the Temporary 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 23 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

The proposed commercial (public middle school) project will have an area of approximately 42.30 acres. The existing school site currently has 8.02 acres of impervious cover. The project will include the construction of a football practice facility and limit soil disturbance to approximately 33,600 square feet. The impervious cover will remain at 8.02 acres (18.96 percent). According to the TCEQ Permit No. WQ0013812003 dated, March 6, 2005, the site in the development is acceptable for the use of on-site sewage facilities.

PERMANENT POLLUTION ABATEMENT MEASURES

Since the existing impervious cover was constructed prior to the requirements of 30 TAC Chapter 213, Subchapter B, and the proposed development will not increase the impervious cover amount for the site, permanent BMPs are not required for the site at this point in time.

SPECIAL CONDITIONS

I. The holder of the approved Edwards Aquifer CZP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.

II. 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 format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.

III. 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.

IV. 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.

V. The construction of any impervious cover or the disturbance of any soil outside the 33,600 square feet needed to construct the football field is not approved by this letter.

VI. Any future installation of portable classroom buildings will require notification to the TCEQ prior to the classrooms being in use. The number of buildings, location and estimated time on site for the buildings is required in the notification.

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.

Prior to Commencement of Construction:

2. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.

3. Any modification to the activities described in the referenced CZP 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.

4. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

During Construction:

6. 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.

7. 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 significantly reduced. 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).

8. 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.

9. 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:

10. 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.

11. 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.

12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.

13. A Contributing Zone 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 Contributing Zone 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.

14. 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 Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/eg

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

cc: Mr. Duane Moy, P.E., Moy Civil Engineers
Ms. Sarah Stevick, City of Bulverde
Mr. Tom Hornseth, P.E., Comal County
Ms. Velma Damelson, Edwards Aquifer Authority
TCEQ Central Records, Building F, MC 212

EXHIBIT "B"

Field Notes for a 42.367 Acre Tract of Land

BEING a 42.367 acre tract of land out of Lot 1, Cox Subdivision Unit 1 recorded in Volume 11, Page 209, Plat Records, Comal County, Texas, said 42.367 acre tract being more particularly described by metes and bounds as follows:

BEGINNING at a 1/2" iron rod with a red "ACS INC S.A. TEXAS" plastic cap found on the south right-of-way line of State Highway No. 46, a variable width right-of-way, the northwest corner of Lot 1, Cox Subdivision Unit 1, recorded in Volume 11, Page 209, Plat Records, Comal County, Texas, the northeast corner of the Bulverde J.V. called 2.007 acre tract, recorded in Document No. 200606020253, Official Records, Comal County, Texas;

THENCE along the south right-of-way line of State Highway No. 46, the north boundary line Lot 1, Cox Subdivision Unit 1, the following bearings and distances:

South 76°38'22" East, a distance of 136.90 feet (South 76°11'51" East, a distance of 137.05 feet – record), to a 1/2" iron rod found at the beginning of a curve to the left;

along said curve in a counterclockwise direction having a delta angle of 08°19'14", an arc distance of 215.23 feet – called 215.56 feet, a radius of 1482.07 feet – called 1482.07 feet, and a chord of **South 80°30'55" East, a distance of 215.04 feet** to a found 1/2" iron rod;

South 84°40'52" East, a distance of 578.42 feet (South 84°31'51" East, a distance of 578.02 feet – record), to a 1/2" iron rod found at the beginning of a curve to the right;

along said curve in a clockwise direction having a delta angle of 06°53'29", an arc distance of 166.10 feet – called 165.90 feet, a radius of 1380.92 feet – called 1380.92 feet, and a chord of **South 81°13'56" East, a distance of 166.00 feet** to a set cotton spindle;

and **South 77°48'35" East, a distance of 300.10 feet** (South 77°38'51" East, a distance of 300.10 feet – record), to a 1/2" iron rod found for the northeast corner of Lot 1, Cox Subdivision Unit 1, the northwest corner of Lot 1, Descending Dove Hills, recorded in Volume 13, Page 16, Plat Records, Comal County, Texas;

THENCE departing the south right-of-way line of State Highway No. 46, along the east boundary line of Lot 1, Cox Subdivision Unit 1, the west boundary line of Lot 1, Descending Dove Hills, **South 00°09'53" West, a distance of 859.87 feet** (South 00°19'37" West, - record) to a point for corner;

THENCE departing the west boundary line of Lot 1, Descending Dove Hills and severing Lot 1, Cox Subdivision Unit 1, the following four courses and distances,

North 89°49'08" West, a distance of 550.00 feet to a point for corner;

South 00°10'52" West, a distance of 183.12 feet to a point for corner;

North 89°49'08" West, a distance of 244.16 feet to a point for corner;

and **South 00°10'52" West, a distance of 506.68 feet** to a point for corner on a south boundary line of Lot 1, Cox Subdivision Unit 1, the north boundary line of Lot 1, Cox Subdivision Unit 2, recorded in Volume 11, Page 210, Plat Records, Comal County, Texas;

THENCE with the north boundary line of Lot 1, Cox Subdivision Unit 2, a south boundary line of Lot 1, Cox Subdivision Unit 1, **South 88°44'09" West, a distance of 653.11 feet** (South 88°44'09" West, - record) to a 2" metal pipe fence post found for the southwest corner of Lot 1, Cox Subdivision Unit 1, the southeast corner of Lot 1CR, Palmer Heights Subdivision, recorded in Volume 12, Page 104, Plat Records, Comal County, Texas;

THENCE departing the north boundary line of Lot 1, Cox Subdivision Unit 2, along the west boundary line of Lot 1, Cox Subdivision Unit 1, the east boundary line of Lot 1CR, Palmer Heights Subdivision, **North 02°05'50" East, a distance of 754.32 feet** (North 02°34'33" East, a distance of 754.50 feet – record) to a 1/2" iron rod with a red "MLS CO RPLS 4612" plastic cap found for the northeast corner of Lot 1CR, Palmer Heights Subdivision, the southeast corner of Lot 4, Palmer Heights Subdivision, recorded in Volume 10, Page 70, Plat Records, Comal County, Texas;

THENCE along the east boundary line of Lot 4, Palmer Heights Subdivision, **North 02°45'02" East, a distance of 497.27 feet** (North 02°34'57" East, a distance of 496.95 feet – record) to a set cotton spindle for the northeast corner of Lot 4, Palmer Heights Subdivision, the southeast corner of Lot 5, Palmer Heights Subdivision;

THENCE along the east boundary line of Lot 5, Palmer Heights Subdivision, **North 02°45'57" East, a distance of 129.16 feet** (North 02°35'52" East, a distance of 129.08 feet to a 1/2" iron rod with a red "ACS INC S.A. TEXAS" plastic cap found for the northeast corner of Lot 5, Palmer Heights Subdivision, the southeast corner of the said Bulverde J.V. called 2.007 acre tract;

THENCE along the east boundary line of the Bulverde J.V. called 2.007 acre tract, **North 02°15'35" East, a distance of 391.72 feet** (North 02°24'33" East, a distance of 392.37 feet – record) to the **PLACE OF BEGINNING** and containing **42.367 acres of land**, more or less.

Filed and Recorded
Official Public Records
Joy Streater, County Clerk
Comal County, Texas
04/30/2008 08:30:19 AM
CASHONE
200806016601

Joy Streater

2 of 2

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 28, 2020

Mr. Michael McCullar
Comal Independent School District
1404 IH 35 North
New Braunfels, Texas 78131-2817

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: CISD Spring Branch Middle School; Located 21053 Highway 46 West, Spring Branch, Texas

TYPE OF PLAN: Request for Modification of an Approved Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Regulated Entity No. R105442313; Additional ID No. 13001097

Dear Mr. McCullar:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Modification for the above-referenced project submitted to the San Antonio Regional Office by MTR Engineers, Inc. on behalf of Comal Independent School District (CISD) on March 20, 2020. Final review of the CZP Modification was completed after additional material was received on May 4, 2020 and May 21, 2020. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected 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 23 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.*

BACKGROUND

The CISD Spring Branch Middle School 42.3-acre site was originally approved by TCEQ on March 7, 2008 with 8.02-acres of impervious cover (IC). This Plan was modified with TCEQ approval on July 7, 2009 by adding a Fire Station and EMS site at the northwest corner of the 42.3-acre site, increasing the IC to 11.02-acres (13-08012801A).

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 42.3 acres. It will include addition of new parking lots, new student/bus drop-off loop, associated concrete flatwork and asphalt reconstruction with underground stormwater conveyance to the existing sedimentation filtration basin. Impervious cover will be reduced by 1.20-acres by eliminating the Fire Station and EMS facility proposed in 2009 that was never constructed. The proposed site impervious cover is 2.16 acres with a total site net impervious cover of 10.77-acres (25.46 percent). No wastewater will be generated by this project.

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, the existing single chamber sedimentation filtration basin (13-08012801A) constructed in 2009 will remain in service and was designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005). The required total suspended solids (TSS) treatment for this project is 1,939 pounds of TSS generated from the 2.16-acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

SPECIAL CONDITIONS

I. This modification is subject to all Special and Standard Conditions listed in the CZP approval letter dated March 7, 2008 and July 7, 2009.

II. 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. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP 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.

6. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

<u>During Construction:</u>

8. 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.
9. 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 significantly reduced. 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).
10. Intentional discharges of sediment laden 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.
11. 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.
12. 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.
13. 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. 5, above.

<u>After Completion of Construction:</u>

14. Owners of permanent BMPs and measures must ensure 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.

15. 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.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.
17. A Contributing Zone 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 Contributing Zone 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.
18. 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.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Don Vandertulip, PE, BCEE of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4057.

Sincerely,

Robert Sadlier, Section Manager
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality

RCS/dv

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

cc: Mr. Sean Smith, PE, MTR Engineers, Inc.
Mr. Roland Ruiz, Edwards Aquifer Authority
Mr. Thomas H. Hornseth, PE, Comal County

Deed Recordation Affidavit
Edwards Aquifer Protection Plan

THE STATE OF TEXAS §

County of _____ §

BEFORE ME, the undersigned authority, on this day personally appeared _____ who, being duly sworn by me, deposes and says:

(1) That my name is _____and that I own the real property described below.

(2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.

(3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on _____.

A copy of the letter of approval from the TCEQ is attached to this affidavit as Exhibit A and is incorporated herein by reference.

(4) The said real property is located in _____ County, Texas, and the legal description of the property is as follows:

_____
LANDOWNER-AFFIANT

SWORN AND SUBSCRIBED TO before me, on this __ day of _____, ____.

_____
NOTARY PUBLIC

THE STATE OF _____ §

County of _____ §

BEFORE ME, the undersigned authority, on this day personally appeared _____ 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 __ day of _____, _____.

_____
NOTARY PUBLIC

_____
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: _____

Change in Responsibility for Maintenance on Permanent Best Management Practices and Measures

The applicant is no longer responsible for maintaining the permanent best management practice (BMP) and other measures. The project information and the new entity responsible for maintenance is listed below.

Customer: _____

Regulated Entity Name: _____

Site Address: _____

City, Texas, Zip: _____

County: _____

Approval Letter Date: _____

BMPs for the project: _____

New Responsible Party: _____

Name of contact: _____

Mailing Address: _____

City, State: _____ Zip: _____

Telephone: _____ FAX: _____

_____ _____

Signature of New Responsible Party Date

I acknowledge and understand that I am assuming full responsibility for maintaining all permanent best management practices and measures approved by the TCEQ for the site, until another entity assumes such obligations in writing or ownership is transferred.

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

ATTACHMENT B

NARRATIVE OF PROPOSED MODIFICATION

The proposed project will be providing new playground equipment, new rubberized surface, artificial turf play areas, and associated concrete flatwork at Arlon Seay Elementary School. Additionally, a parking lot servicing Spring Branch Middle School will be demolished and reconstructed in the existing parking lot footprint. Only the site work associated with Arlon Seay Elementary School will result in an increase in impervious cover. The proposed project will be providing an increase of approximately 0.37 acres of impervious cover, for a total of 17.26 acres of impervious cover in the 62.590-acre tract. The total percentage of impervious cover on this site is 27.58%.

Arlon Seay Elementary School is located at 20911 TX-46, Spring Branch, TX 78070. The previous approved CZP modification for Arlon Seay Elementary School referenced an area of 20.29 acres. Currently, the site shares the same legal boundary as Spring Branch Middle School, located at 21053 TX-46, Spring Branch, TX 78070. Both schools have had separate, approved contributing zone plans despite sharing the same legal boundary. This CZP modification proposed to combine the Elementary and Middle School submittals to reflect the one legal boundary encompassing 62.590 acres. The site is located in the Edwards Aquifer Contributing Zone.

LEGEND

MISCELLANEOUS: CONCRETE SIDEWALKS / CONCRETE PADS

PARKING / DRIVEWAY

STRUCTURE / ROOFTOPS

CONTRIBUTING AREAS TO BMP

VEGETATED FILTER STRIP

LIMITS OF AREA TO BE DISTURBED

V.S.-1 VEGETATED STRIP NUMBER 1

—1200— EXISITNG CONTOURS

1200 PROPOSED CONTOURS

BMP KEYNOTES

1. SILT FENCE
2. BAGGED GRAVEL INLET FILTER
3. ROCK BERM
4. TEMPORARY CONSTRUCTION ENTRANCE\EXIT

Texas Commission on Environmental Quality
Contributing Zone Plan
General Construction Notes

1. Written construction notification should be provided to the appropriate TCEQ regional office no later than 48 hours prior to commencement of the regulated activity. Information should 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 with the name and telephone number of the contact person.
2. All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on-site.
3. No temporary aboveground hydrocarbon and hazardous substance storage tank system may be installed within 150 feet if a domestic, industrial, irrigation, or public water supply well.
4. Prior to commencing construction, all temporary erosion and sedimentation (E&S) control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. Controls specified in the SWPPP section of the approved Edwards Aquifer Contributing Zone 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.
5. 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).
6. 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.
7. 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).
8. All spoils (excavated material) generated from the project site and stored on-site must have proper E&S controls installed.
9. 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.
10. The following records should 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.
11. The holder of any approved Contributing Zone 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 best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
    - B. any change in the nature or character of the regulated activity from that which was originally approved;
    - C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
    - D. any development of land previously identified in a contributing zone plan as undeveloped.

Austin Regional Office 1921 Cedar Bend, Suite 150 Austin, Texas 78758-5336 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

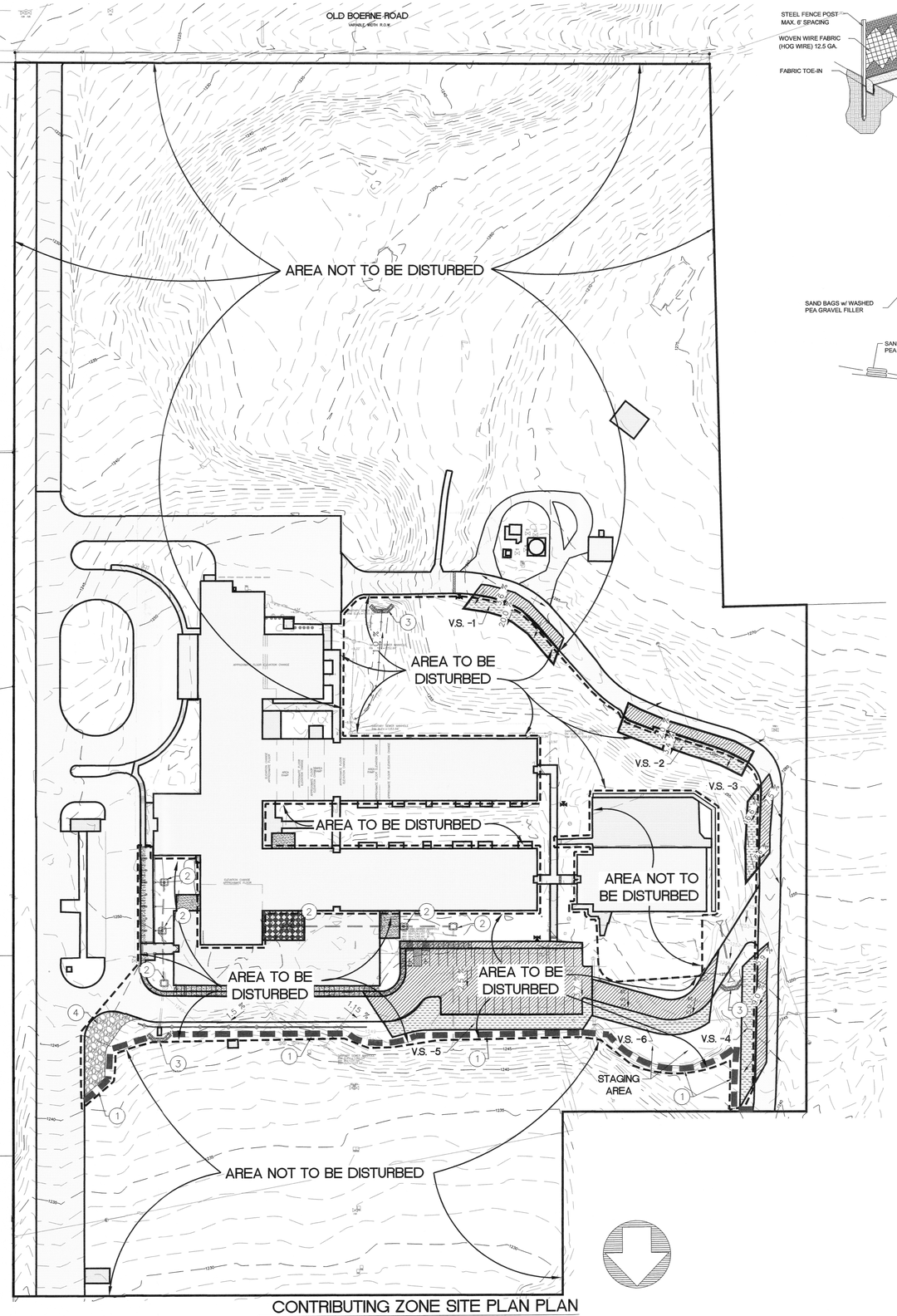
LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED. THESE ARE THE TEMPORARY BEST MANAGEMENT PRACTICES.

SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE AREAS DISTURBED THROUGH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.

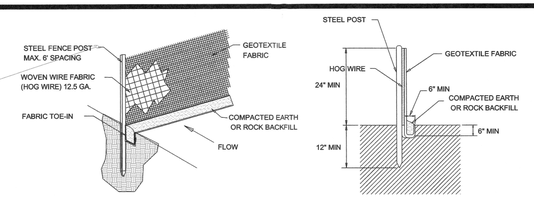
THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.

VEGETATIVE FILTER STRIPS ARE 15 FOOT LONG IN THE DIRECTION OF FLOW.

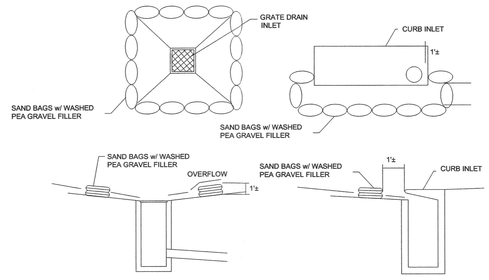
INSPECTION OF TEMPORARY BMPS (SILT FENCES, BAGGED GRAVEL INLET FILTERS, ROCK BERMS, AND TEMPORARY CONSTRUCTION ENTRANCE/EXIT DEVICES) SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPLTLY AS NEEDED BY THE CONTRACTOR.



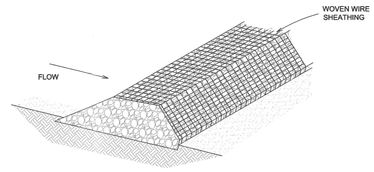
CONTRIBUTING ZONE SITE PLAN PLAN
SCALE: 1"=60'



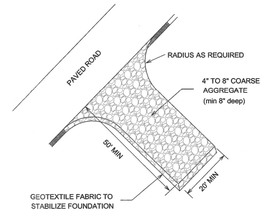
SILT FENCE
N.T.S.



BAGGED GRAVEL INLET FILTER
N.T.S.



ROCK BERM
N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE/EXIT
N.T.S.

REVISIONS

NO.	DATE	DESCRIPTION	PROJ. #	DSN. BY:	DWN. BY:	CHKD. BY:	BY:	DATE:
			070180	S.C.	J.U.	D.A.M.		5/24/07

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

STATE OF TEXAS — DUANE A. MOY — 69258 — REGISTERED PROFESSIONAL ENGINEER — 7/24/08

ARLON SEAY SCHOOL

CONTRIBUTING ZONE SITE PLAN

SHEET 2 OF 3

2008 JUL 27 PM 1:44
SAN ANTONIO REGION

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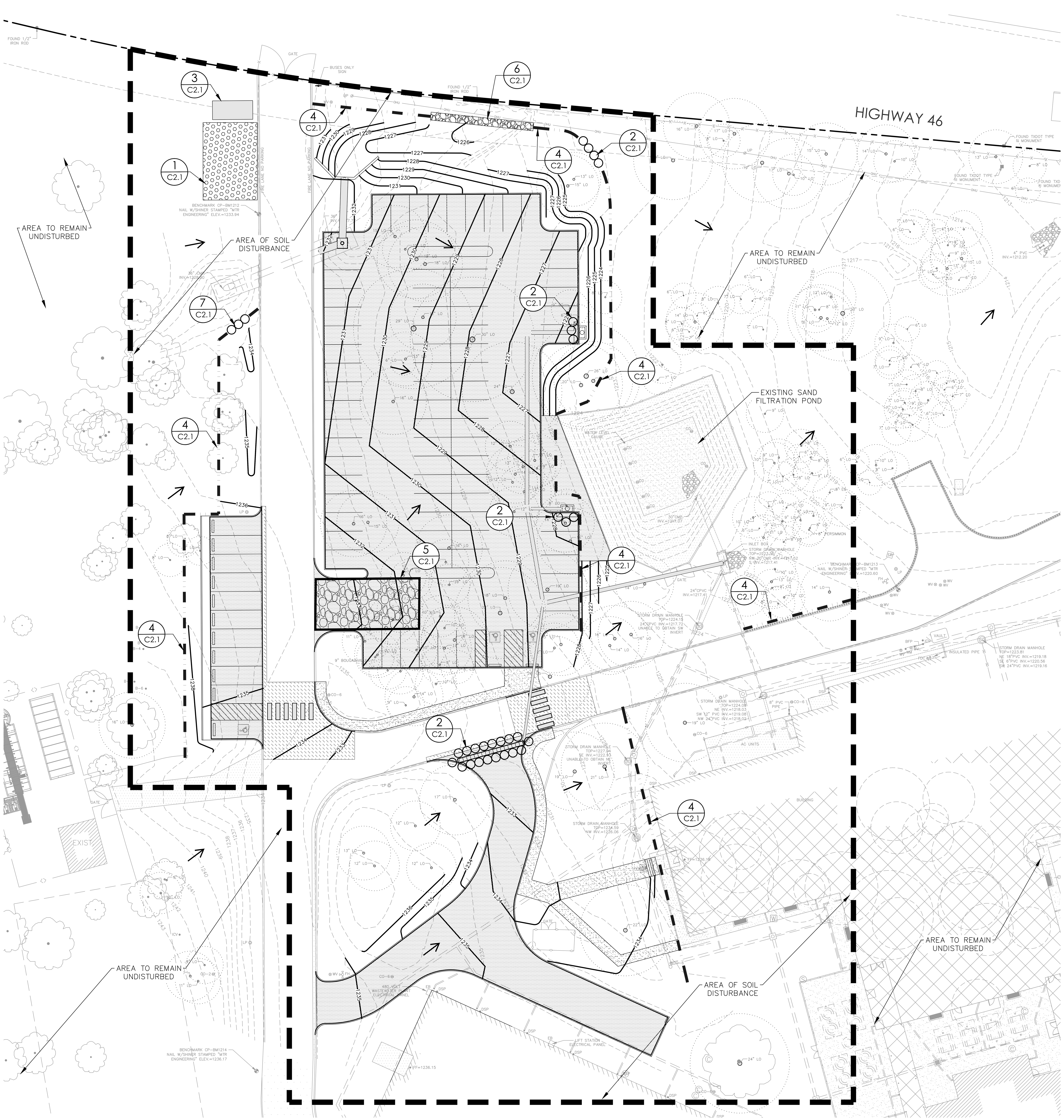

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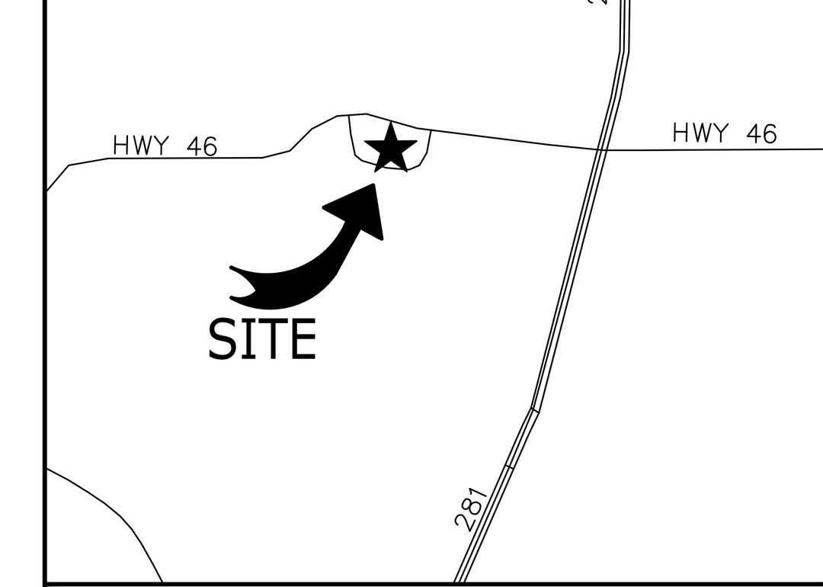

LOCATION MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE
- CHAINLINK FENCE
- ROCK BERM
- GRAVEL INLET FILTER
- STABILIZED CONSTRUCTION EXIT
- NEW LIGHT DUTY FLEXIBLE PAVEMENT
- NEW HEAVY DUTY FLEXIBLE PAVEMENT
- NEW RIGID PAVEMENT
- NEW CONCRETE SIDEWALK/FLATWORK
- CONSTRUCTION STAGING AREA
- CONCRETE WASHOUT PIT
- DRAINAGE FLOW ARROW

GENERAL NOTES:

1. PROVIDE BAGGED GRAVEL INLET FILTERS AT ALL EXPOSED DRAINAGE STRUCTURES.
2. SOIL DISTURBANCES WILL OCCUR OVER PARTS OF SITE AS INDICATED ON PLAN.
3. LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED.
4. THESE ARE THE TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES.
5. SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE ENTIRE SITE WITH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.
6. THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.

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 COMME'p NCEMENT 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 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 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 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.
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	SAN ANTONIO REGIONAL OFFICE
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THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

REVISIONS: NO. | DATE | DESCRIPTION | BY

PROJ. # 00000 | DSN. BY R.R. | DWN. BY G.S. | CHKD. BY R.R. | DATE 2019

Moy Tarin Ramirez Engineers, LLC
• Engineers • Surveyors • Planners
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12770 CIMARRON PATH, SUITE 100
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TEL (210) 698-5051
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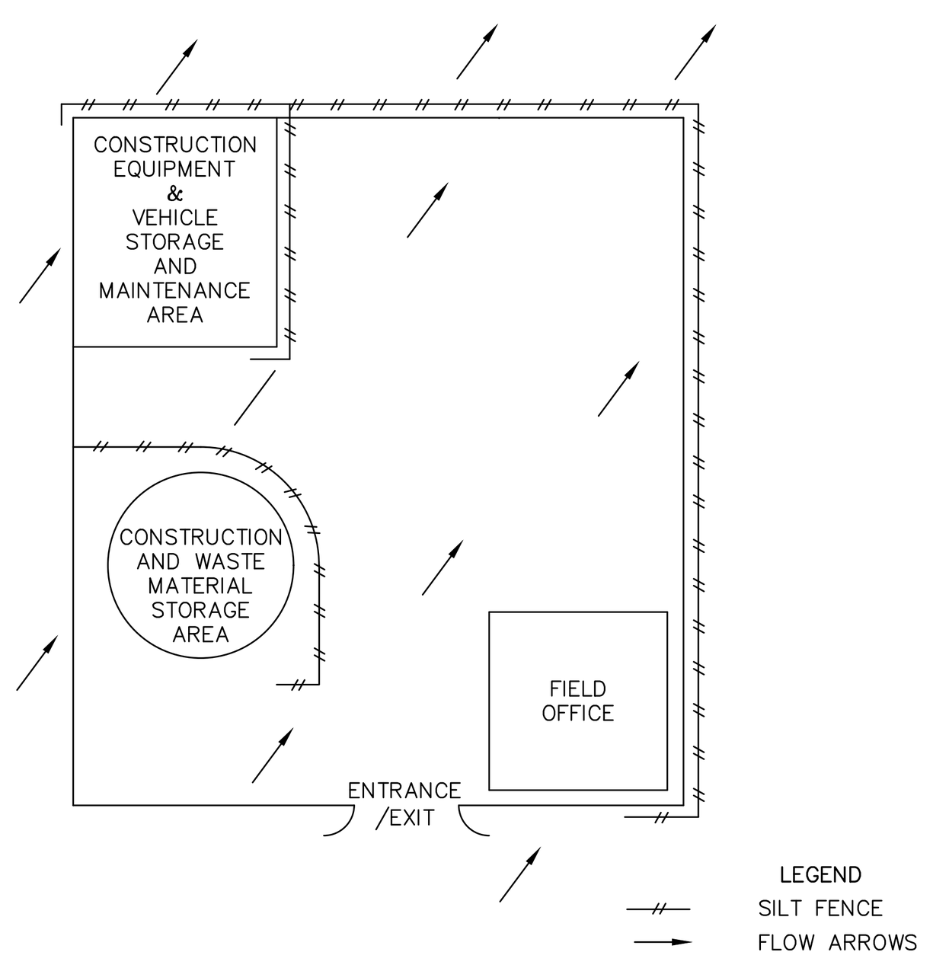
STATE OF TEXAS
SEAN S. SMITH
113308
LICENSED PROFESSIONAL ENGINEER
3/18/2020

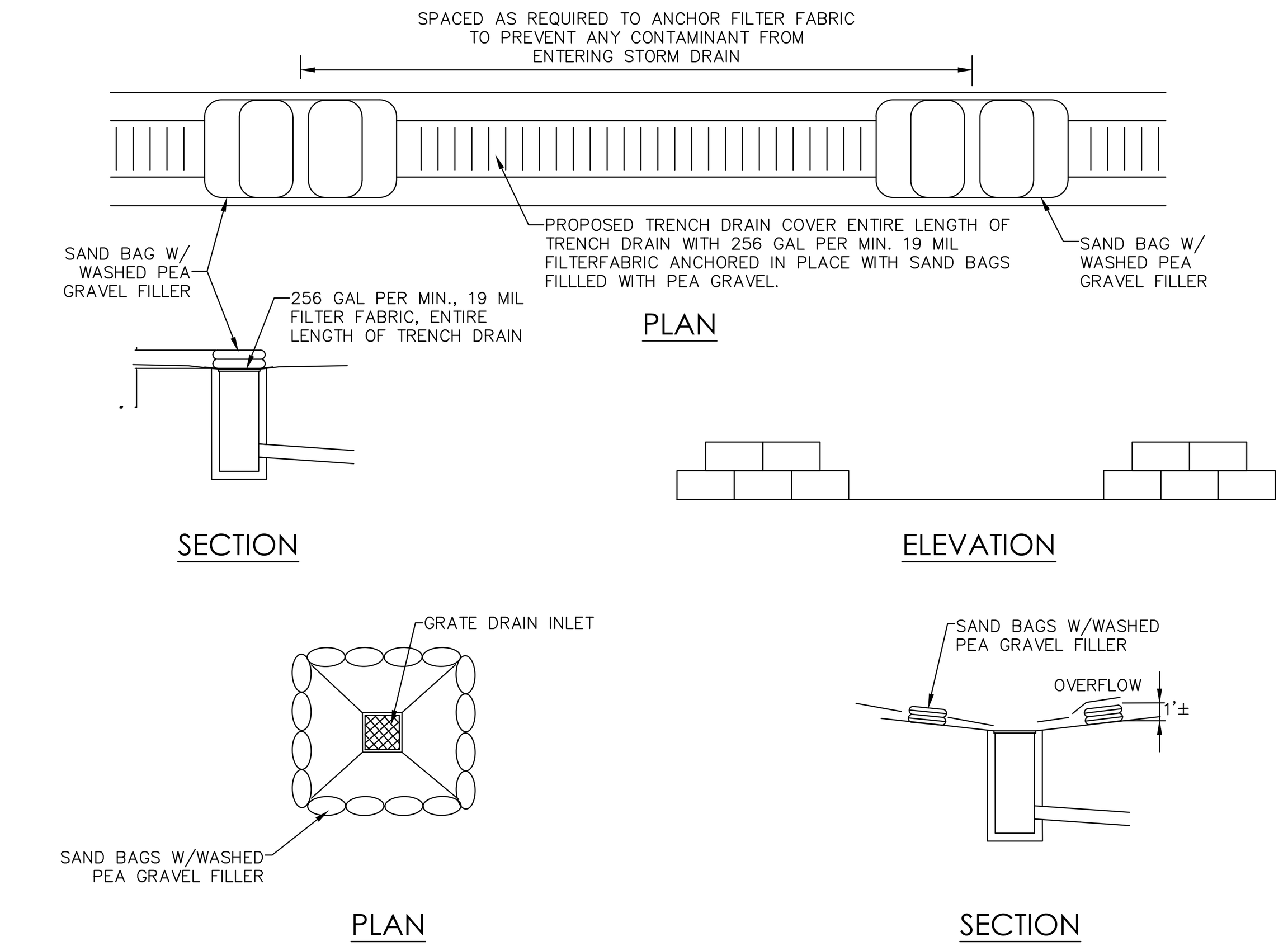
COMAL INDEPENDENT SCHOOL DISTRICT
SPRING BRANCH MIDDLE SCHOOL
CONTRIBUTING ZONE PLAN / STORM WATER POLLUTION PREVENTION PLAN

C2.0



1 CONSTRUCTION STAGING AREA

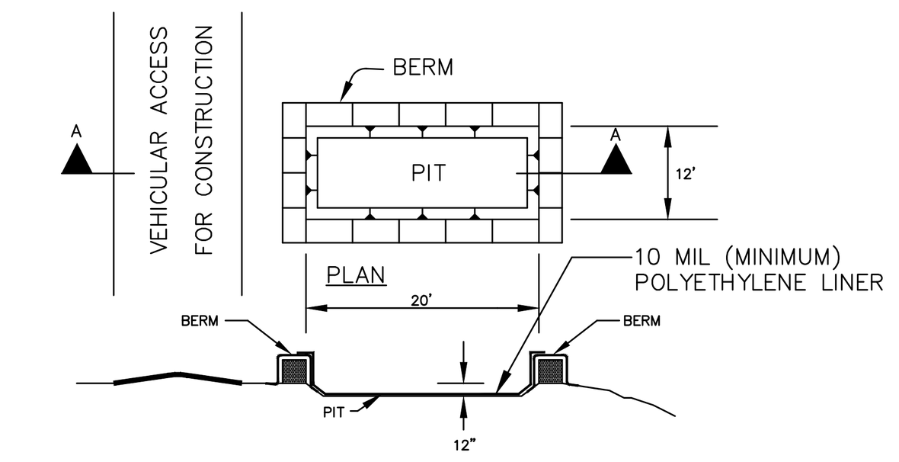
SCALE: NONE



1. THE GRAVEL BAG MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE, POLYAMIDE OR COTTON BULAP WOVEN FABRIC, MINIMUM UNIT WEIGHT 4 OZ/YD 2, MULLEN BURST STRENGTH EXCEEDING 300 PSI AND ULTRAVIOLET STABILITY EXCEEDING 70 PERCENT.
2. THE BAG LENGTH SHOULD BE 24 INCHES, WIDTH SHOULD BE 18 INCHES AND THICKNESS SHOULD BE 6 INCHES.
3. THE GRAVEL BAGS SHOULD BE FILLED WITH 3/4" GRAVEL.
4. WHEN A GRAVEL BAG IS FILED WITH GRAVEL, THE OPEN END OF THE GRAVEL BAG SHOULD BE STAPLED OR TIED WITH NYLON OR POLY CORD.
5. THE GRAVEL BAGS SHOULD BE PLACED AS SHOWN ON THE DETAIL. THE GRAVEL BAGS SHALL BE STACKED TO FORM A CONTINUOUS BARRIER AROUND THE INLETS. THE BAGS SHOULD BE TIGHTLY ABUTTED AGAINST EACH OTHER TO PREVENT RUNOFF FROM FLOWING BETWEEN THE BAGS.
6. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHOULD BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
7. CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE AND CURB.
8. 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.
9. STRUCTURE SHOULD BE REMOVED AND THE AREA STABILIZED ONLY AFTER THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

2 BAGGED GRAVEL INLET FILTER

SCALE: NONE

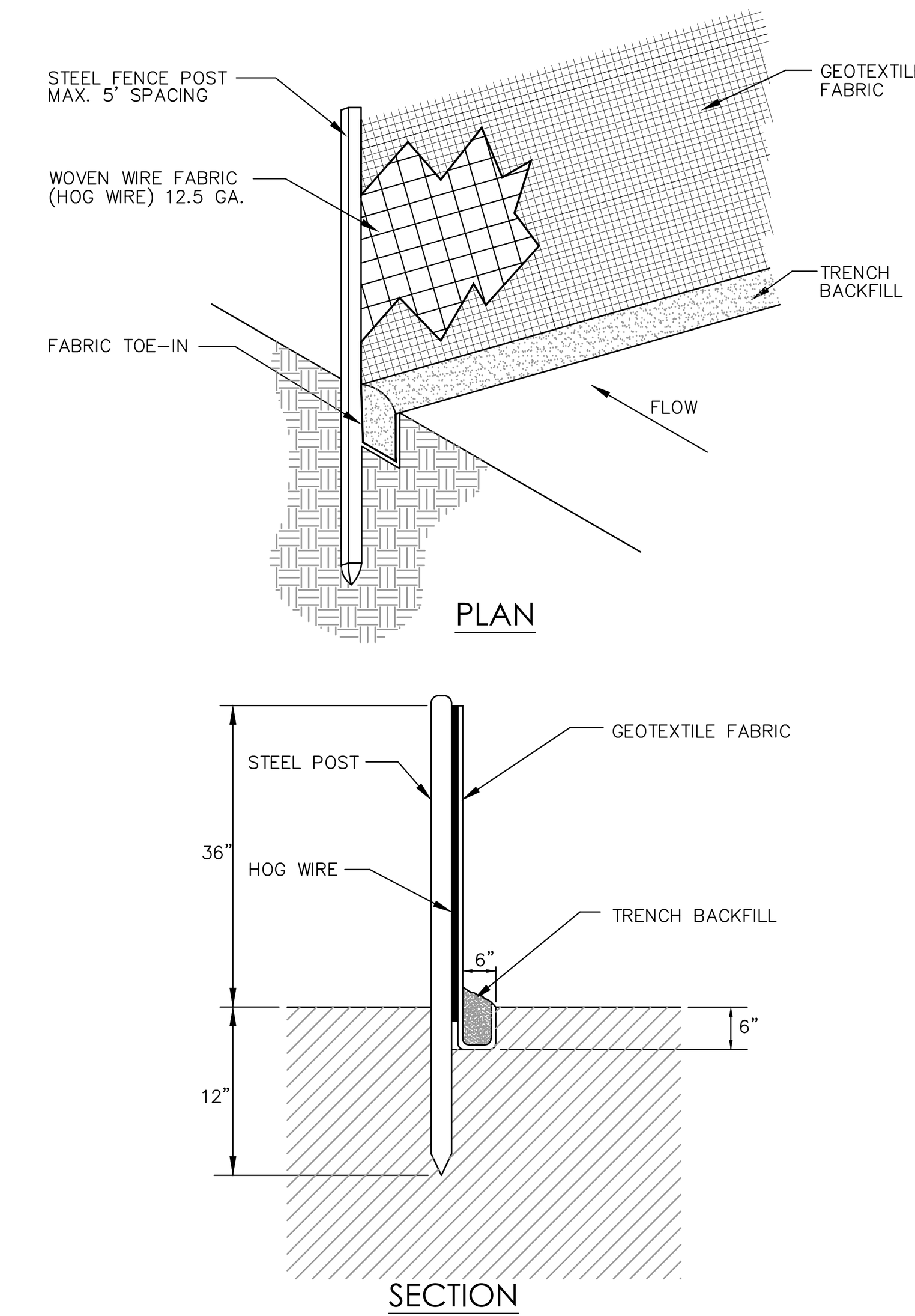


GENERAL NOTES:

- DETAIL ABOVE ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE INCREASED IN SIZE DEPENDING ON EXPECTED FREQUENCY OF USE.
- WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC.
- WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF.

3 CONCRETE TRUCK WASHOUT PIT

SCALE: NONE

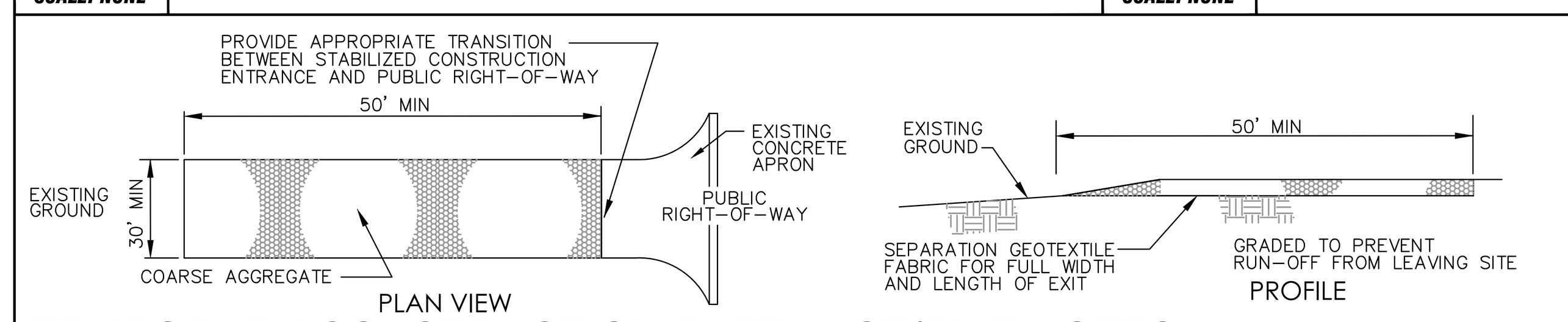


SILT FENCE NOTES

1. SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC WIDTH SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN 2 , ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NO. 30.
2. FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR Y-BAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM NOMINAL WEIGHT 1.25 LB/FT 2 , AND BRINDELL HARDNESS EXCEEDING 140.
3. WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2" X 4" WELDED WIRE, 12.5 GAUGE MINIMUM.
4. STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 1 FOOT DEEP AND SPACED NOT MORE THAN 5 FEET ON CENTER.
5. LAY OUT FENCING DOWN-SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS ¼ ACRE/100 FEET OF FENCE.
6. THE TOE OF THE SILT FENCE SHOULD BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN-SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROP), WEIGHT FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
7. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
8. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHOULD BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
9. SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
10. REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES, OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE OLD FENCE.
11. REPLACE ANY TORN FABRIC OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE TORN SECTION.
12. REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY. IF A SECTION OF FENCE IS OBSTRUCTING VEHICULAR ACCESS, CONSIDER RELOCATING IT TO A SPOT WHERE IT WILL PROVIDE EQUAL PROTECTION, BUT WILL NOT OBSTRUCT VEHICLES. A TRIANGULAR FILTER DIKE MAY BE PREFERABLE TO A SILT FENCE AT COMMON VEHICLE ACCESS POINTS.

4 SILT FENCE DETAIL

SCALE: NONE

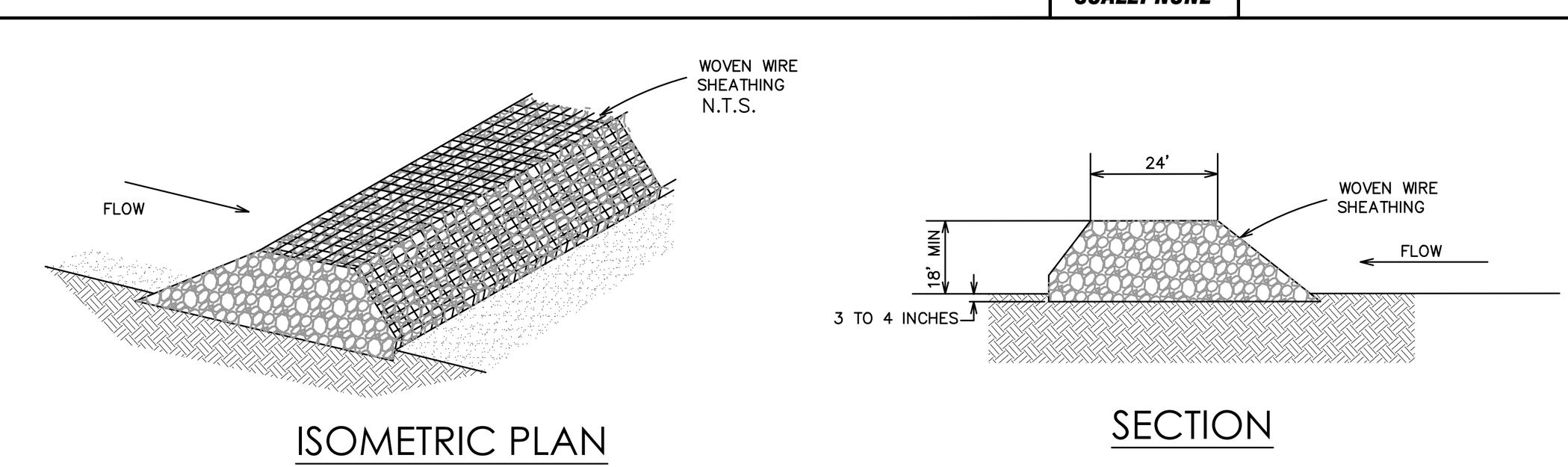


TEMPORARY CONSTRUCTION ENTRANCE/EXIT NOTES

1. THE AGGREGATE SHOULD CONSIST OF 4 TO 8 INCH WASHED STONE OVER A STABLE FOUNDATION.
2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8 INCHES.
3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIFICALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROXIMATE WEIGHT OF 6 OZ/YD 2 , A MULLEN BURST RATING OF 140 LB/IN 2 , AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.
4. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.
5. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER.
6. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.
7. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.
8. PLACE STONE TO DIMENSIONS AND GRADE SHOWN. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.
9. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
10. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON TO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.
11. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
12. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
13. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE.

5 STABILIZED CONSTRUCTION ENTRANCE / EXIT

SCALE: NONE

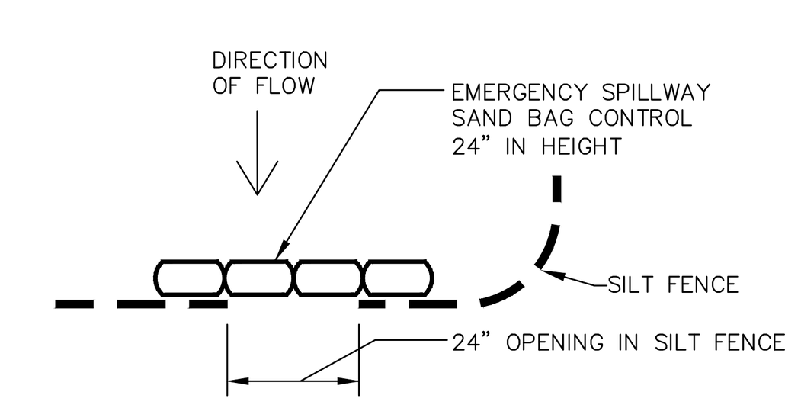


ROCK BERM NOTES

1. THE BERM STRUCTURE SHOULD BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE DIAMETER OF 20 GAUGE GALVANIZED AND SHOULD BE SECURED WITH SHOAT RINGS.
2. CLEAN, OPEN GRADED 3 TO 5-INCH DIAMETER ROCK SHOULD BE USED, EXCEPT IN AREAS WHERE HIGH VELOCITIES OR LARGE VOLUMES OF FLOW ARE EXPECTED, WHERE 5-TO 8-INCH DIAMETER ROCKS MAY BE USED.
3. LAY OUT THE WOVEN WIRE SHEATHING PERPENDICULAR TO THE FLOW LINE.
4. BERM SHOULD HAVE A TOP WIDTH OF 2 FEET MINIMUM WITH SIDE SLOPES BEING 2:1 (H:V) OR FLATTER.
5. PLACE THE ROCK ALONG THE SHEATHING TO A HEIGHT NOT LESS THAN 18".
6. WRAP THE WIRE SHEATHING AROUND THE ROCK AND SECURE WITH TIE WIRE SO THAT THE ENDS OF THE SHEATHING OVERLAP AT LEAST 2 INCHES, AND THE BERM RETAINS ITS SHAPE WHEN WALKED UPON.
7. BERM SHOULD BE BUILT ALONG THE CONTOUR AT ZERO PERCENT GRADE OR AS NEAR AS POSSIBLE.
8. THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.
9. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STREAMBEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION.
10. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT OF IN AN APPROVED MANNER AND REPAIR ANY LOOSE WIRE SHEATHING.
11. THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
12. THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.

6 ROCK BERM

SCALE: NONE



7 PLAN - SAND BAG CONTROL DETAIL

SCALE: NONE

REVISIONS

NO.	DATE	DESCRIPTION	BY

PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:
00000	R.R.	G.S.	R.R.	2019

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TEL: (210) 698-5051
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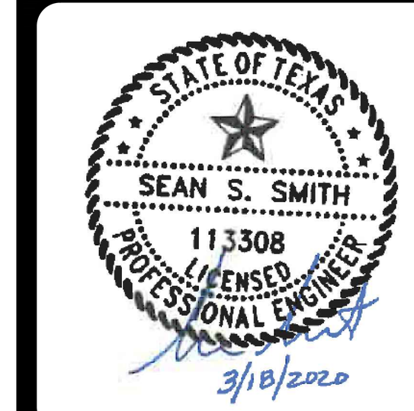


COMAL INDEPENDENT SCHOOL DISTRICT
SPRING BRANCH MIDDLE SCHOOL
CONTRIBUTING ZONE PLAN / STORM WATER POLLUTION PREVENTION PLAN DETAILS

C2.1

Contributing Zone Plan Application

Texas Commission on Environmental Quality

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

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

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

Signature

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

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

Date: 10/7/2022

Signature of Customer/Agent:

Regulated Entity Name: CISD Arlon Seay Elementary School

Project Information

1. County: Comal
2. Stream Basin: Headwaters Cibolo Creek
3. Groundwater Conservation District (if applicable): Comal Trinity
4. Customer (Applicant):

   Contact Person: Alejandro Araujo
   Entity: Comal Independent School District
   Mailing Address: 1404 IH 35 North
   City, State: New Braunfels, TX Zip: 78130-2817
   Telephone: (830) 221-2150 Fax: _____
   Email Address: alejandro.araujo@comalisd.org

5. Agent/Representative (If any):

Contact Person: Sean Smith, P.E.
Entity: Moy Tarin Ramirez Engineers, LLC
Mailing Address: 12770 Cimarron Path #100
City, State: San Antonio, TX Zip: 78249
Telephone: (210) 698-5051 Fax: (210) 698-5085
Email Address: ssmith@mtrengineers.com

6. 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 Bulverde.
☐ The project site is not located within any city's limits or ETJ.

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

20911 TX-46, Spring Branch, TX 78070

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

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

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

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

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

11. Existing project site conditions are noted below:

☐ Existing commercial site
☐ Existing industrial site
☐ Existing residential site

☐ Existing paved and/or unpaved roads
☐ Undeveloped (Cleared)
☐ Undeveloped (Undisturbed/Not cleared)
☒ Other: Existing Elementary School and Middle School site

12. The type of project is:

☐ Residential: # of Lots: _____
☐ Residential: # of Living Unit Equivalents: _____
☐ Commercial
☐ Industrial
☒ Other: Elementary School/Middle School

13. Total project area (size of site): 62.590 Acres

Total disturbed area: 4.87 Acres

14. Estimated projected population: 420 (Arlon Seay ES) 580 (Spring Branch MS)

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

Table 1 - Impervious Cover

Impervious Cover of Proposed Project	***Sq. Ft.***	***Sq. Ft./Acre***	***Acres***
Structures/Rooftops	244,013	÷ 43,560 =	5.60
Parking	359,346	÷ 43,560 =	8.25
Other paved surfaces	148,510	÷ 43,560 =	3.41
Total Impervious Cover	751,869	÷ 43,560 =	17.26

Total Impervious Cover 17.26 **÷ Total Acreage** 62.590 **X 100 =** 27.58**% Impervious Cover**

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

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

For Road Projects Only

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

☒ N/A

18. Type of project:

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

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

- ☐ Concrete
- ☐ Asphaltic concrete pavement
- ☐ Other: _____

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

Length of R.O.W.: _____ feet.
Width of R.O.W.: _____ feet.
L x W = _____Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

21. Pavement Area:

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

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

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

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

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

☒ N/A

26. Wastewater will be disposed of by:

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

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

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

☒ Sewage Collection System (Sewer Lines):

The sewage collection system will convey the wastewater to the Spring Branch MS WWTP (name) Treatment Plant. The treatment facility is:

☒ Existing.
☐ Proposed.

☐ N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

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

☒N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

AST Number	*Size (Gallons)*	*Substance to be Stored*	*Tank Material*
1			
2			
3			
4			
5			

Total x 1.5 = _____ Gallons

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

one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

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

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

Table 3 - Secondary Containment

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

Total: _____ Gallons

30. Piping:

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

31. ☐ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of: _____.

32. ☐ **Attachment H - AST Containment Structure Drawings**. A scaled drawing of the containment structure is attached that shows the following:

☐ Interior dimensions (length, width, depth and wall and floor thickness).
☐ Internal drainage to a point convenient for the collection of any spillage.
☐ Tanks clearly labeled
☐ Piping clearly labeled
☐ Dispenser clearly labeled

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

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

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

Site Plan Requirements

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

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

    Site Plan Scale: 1" = 100'.

35. 100-year floodplain boundaries:

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

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

    The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA PANEL 48091C0220F DATED 9/2/2009.

36. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.

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

37. ☒ A drainage plan showing all paths of drainage from the site to surface streams.

38. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.

39. ☒ Areas of soil disturbance and areas which will not be disturbed.

40. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

41. ☒ Locations where soil stabilization practices are expected to occur.

42. ☐ Surface waters (including wetlands).

    ☒ N/A

43. ☐ Locations where stormwater discharges to surface water.

    ☒ There will be no discharges to surface water.

44. ☐ Temporary aboveground storage tank facilities.

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

45. ☐ Permanent aboveground storage tank facilities.

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

46. ☒ Legal boundaries of the site are shown.

Permanent Best Management Practices (BMPs)

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

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

☐ N/A

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

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

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

☐ N/A

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

☐ N/A

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

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

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

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

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

    ☐ **Attachment I - 20% or Less Impervious Cover Waiver**. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.
    ☒ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
    ☐ The site will not be used for multi-family residential developments, schools, or small business sites.

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

    ☐ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.
    ☒ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.
    ☐ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

53. ☒ **Attachment K - BMPs for On-site Stormwater**.

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

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

    ☐ N/A

55. ☒ **Attachment M - Construction Plans**. Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are

attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

☐ N/A

56. ☒ **Attachment N - Inspection, Maintenance, Repair and Retrofit Plan**. A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:

☒ Prepared and certified by the engineer designing the permanent BMPs and measures
☒ Signed by the owner or responsible party
☒ Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.
☒ Contains a discussion of record keeping procedures

☐ N/A

57. ☐ **Attachment O - Pilot-Scale Field Testing Plan**. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.

☒ N/A

58. ☒ **Attachment P - Measures for Minimizing Surface Stream Contamination**. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that result in water quality degradation.

☐ N/A

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

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

60. ☒ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development,

or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

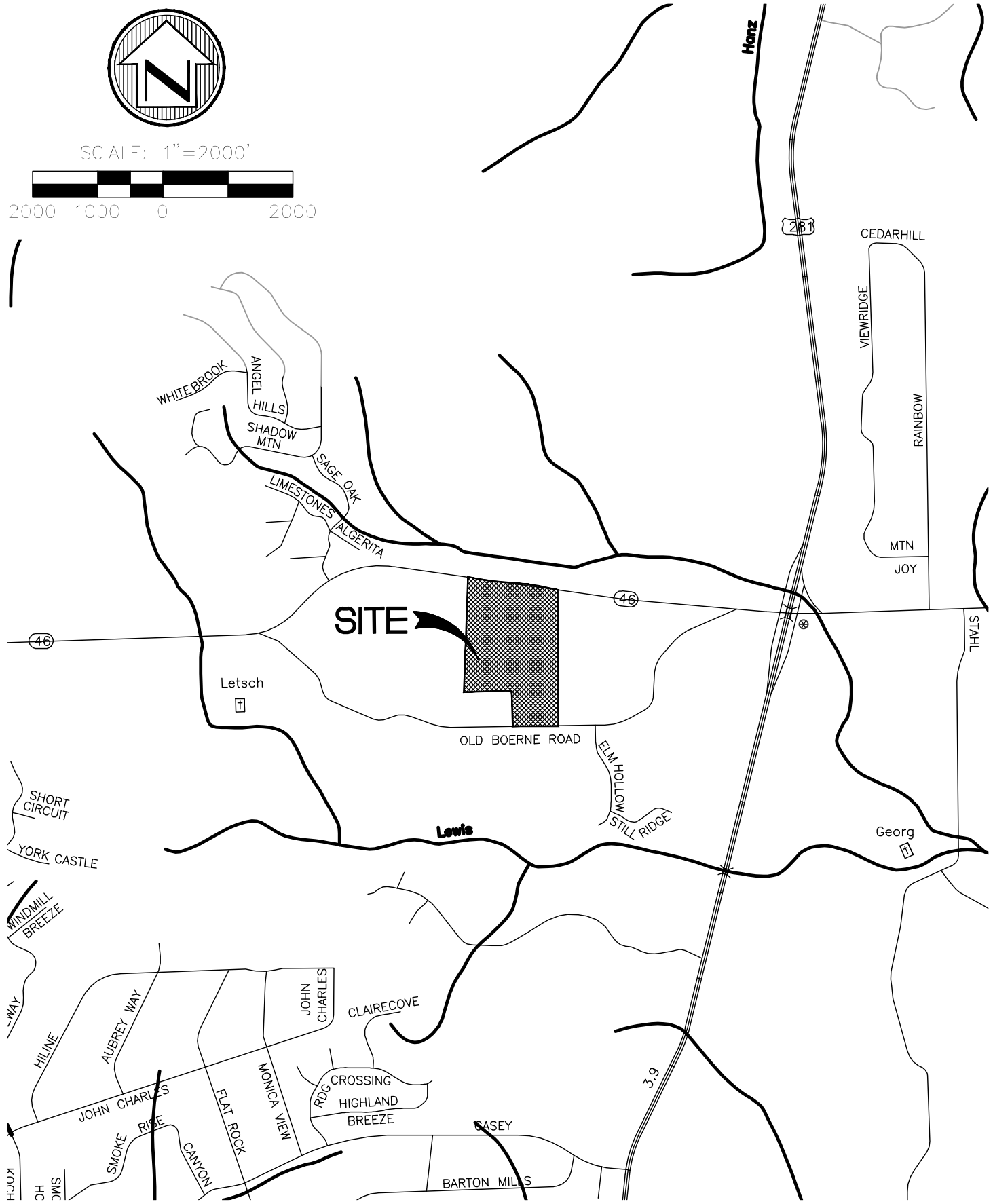
Administrative Information

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

62. ☒ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.

63. ☐ The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.

☒ The Temporary Stormwater Section (TCEQ-0602) is included with the application.



• Engineers
• Surveyors
• Planners

Moy Tarin Ramirez Engineers, LLC

TBPE F-5297 & TBPLS F-10131500

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

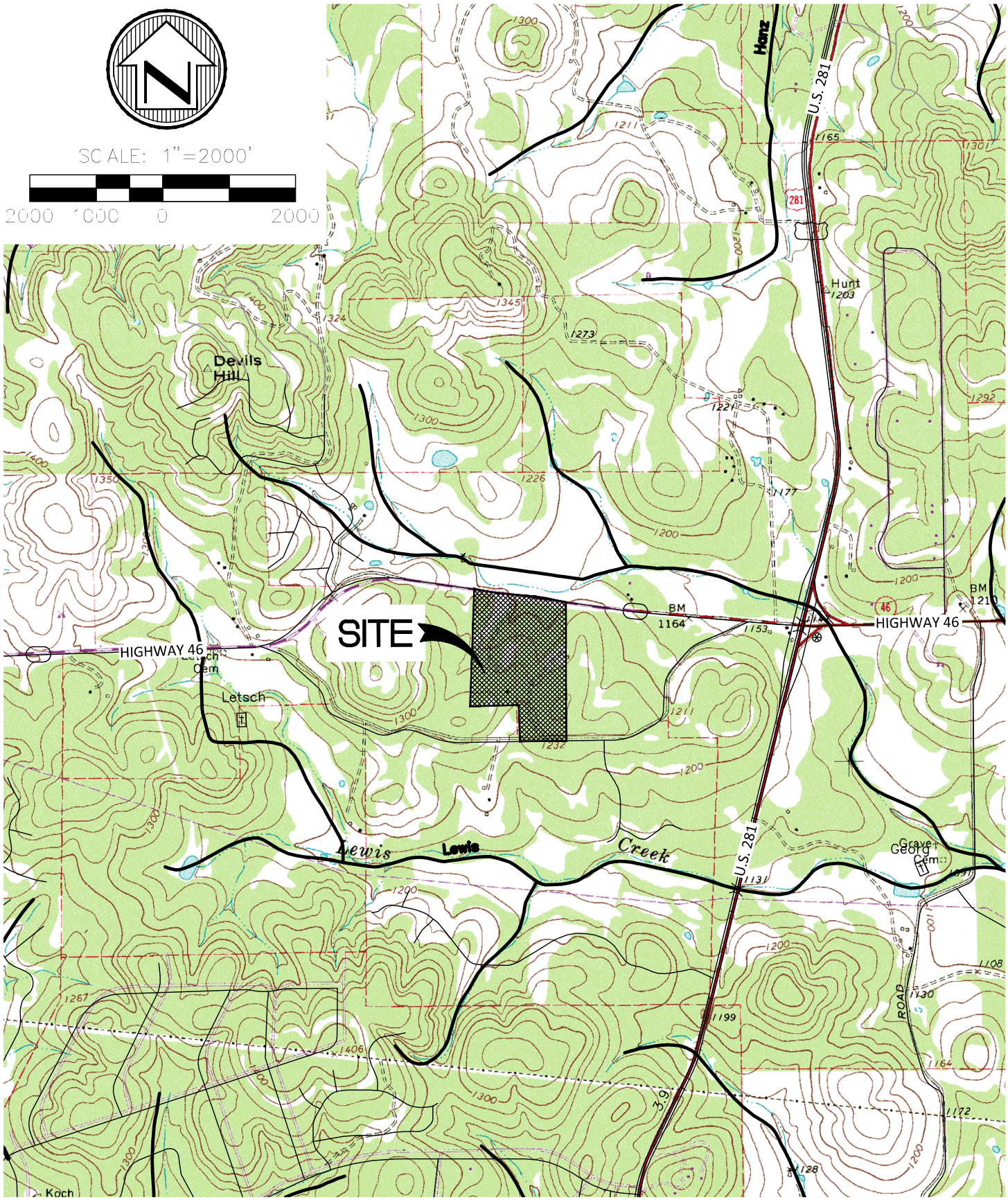
SAN ANTONIO, TEXAS 78249 FAX: (210) 698-5085

ATTACHMENT A

ARLON SEAY ES AND SPRING BRANCH MS

LOCATION MAP

PROJ. #: 21288 **DATE: OCTOBER 2022**



USGS QUAD: ANHALT

MTR

- Engineers
- Surveyors
- Planners

Moy Tarin Ramirez Engineers, LLC
TBPE F-5297 & TBPLS F-10131500
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ATTACHMENT A

ARLON SEAY ELEMENTARY SCHOOL

USGS MAP: ANHALT QUADRANGLE

PROJ. #: 21288 DATE: OCTOBER 2022

ATTACHMENT C

PROJECT DESCRIPTION

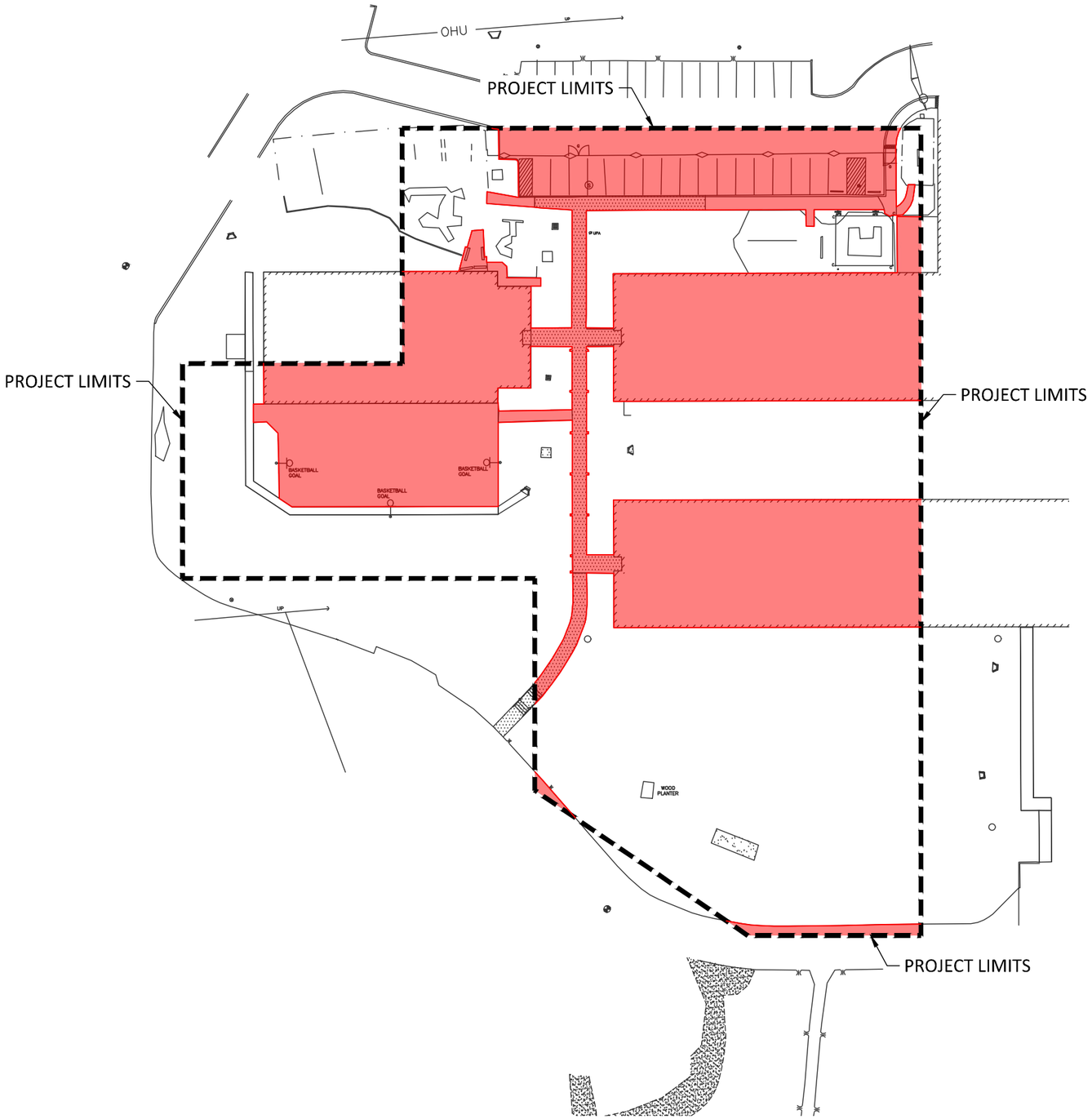
The proposed project will be providing new playground equipment, new rubberized surface, and artificial turf play areas, new concrete flatwork at Arlon Seay Elementary School. Additionally, a parking lot at Spring Branch Middle School will be demolished and reconstructed in the existing parking lot footprint. The previous Contributing Zone Plan Modification for Arlon Seay Elementary School was approved on November 19, 2007.

Arlon Seay Elementary School is located at 20911 TX-46, Spring Branch, TX 78070. The elementary school shares a legal boundary with Spring Branch Middle School, located at 21053 TX-46, Spring Branch, TX 78070. The legal boundary is currently platted as 62.590 acres. The site is located in the Edwards Aquifer Contributing Zone. All impervious cover calculations will take into account the entire legal boundary, including the latest approved impervious cover totals from the approved Spring Branch Middle School CZP, which was approved on May 28, 2020.

Current development consists of an elementary school and middle school with buildings, concrete sidewalks, asphalt parking, and sports fields.

The proposed impervious cover onsite will increase by approximately 0.37 acres, bringing the total site impervious cover to 17.26 acres, or 27.58 percent.

The majority of the site which includes the elementary school building and middle school building will remain undisturbed with this project.



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SCALE: 1"=60'

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LEGEND

PROJECT LIMITS

EXISTING IMPERVIOUS COVER

TOTAL PROJECT AREA = 94,915 S.F.
EXISTING IMPERVIOUS COVER = 40,052 S.F.

MTR

• *Engineers*
• *Surveyors*
• *Planners*

Moy Tarin Ramirez Engineers, LLC

TBPELS ENGINEERING F-5287/SURVEYING F-10131500

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COMAL ISD

ARLON SEAY ES AND SPRING BRANCH MS

EXISTING IMPERVIOUS COVER EXHIBIT

PROJ. #: 21288 OCTOBER 2022 EXHIBIT 1

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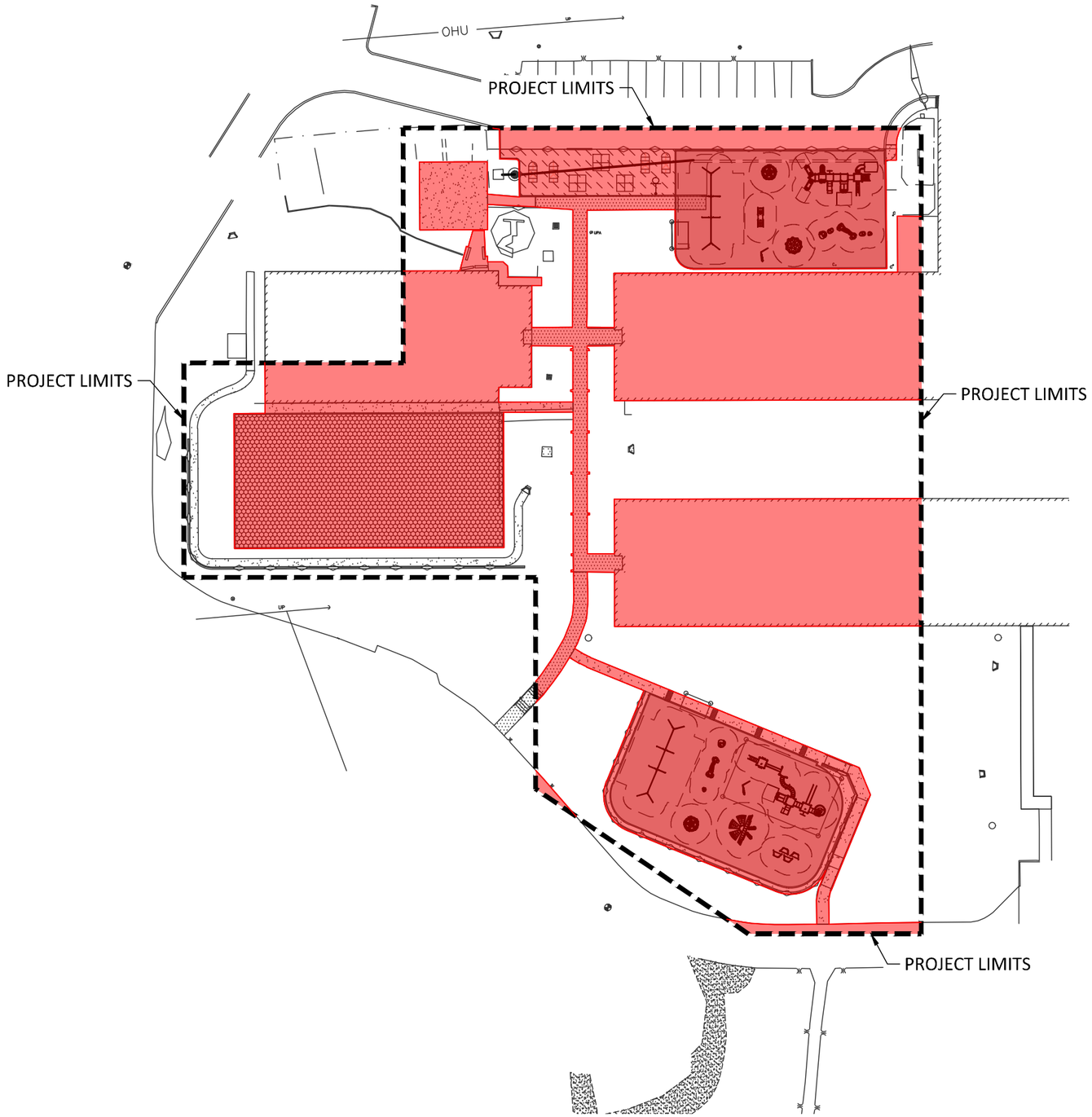

SCALE: 1"=60'

60 30 0 60

LEGEND

PROJECT LIMITS

EXISTING IMPERVIOUS COVER

TOTAL PROJECT AREA = 94,915 S.F.
EXISTING IMPERVIOUS COVER = 40,052
PROPOSED IMPERVIOUS COVER = 56,197 S.F.
INCREASE IN IMPERVIOUS COVER = 16,145

MTR
• Engineers
• Surveyors
• Planners
Moy Tarin Ramirez Engineers, LLC
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COMAL ISD

ARLON SEAY ES AND SPRING BRANCH MS

PROPOSED IMPERVIOUS COVER EXHIBIT

PROJ. #: 21288 OCTOBER 2022 EXHIBIT 1

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ATTACHMENT D

FACTORS AFFECTING SURFACE WATER QUALITY

Factors impacting surface water quality include fertilizers, pesticides from landscaping, sediment from soil disturbances, leaf litter from tree removal, small amounts of oil grease from vehicular traffic, and suspended solids from the proposed impervious cover areas. These factors may cause suspended solids to enter into the storm water runoff and subsequently affect the surface water. However, temporary BMPs have been designed on the basis of the Technical Guidance Manual to treat the required amount of storm water runoff as to not adversely affect water quality entering into any surface water or groundwater.

ATTACHMENT E

VOLUME AND CHARACTER OF STORM WATER

Volume of Storm Water

Arlon Seay ES and Spring Branch MS are located east of a local high point. A portion of the flow from this high point flows across the property as upgradient flow. In general, storm water sheet flows across the entire property, exiting the site along the eastern and northern property lines. We have identified three drainage areas for this property. The upgrades proposed in this CZP modification are limited to drainage areas B and C only. The rational method (Q=CIA) was used to calculate the 25-year storm event for each drainage area. The following areas and volumes were calculated:

On-Site Drainage Area A

(No changes are proposed for Drainage Area A in this modification. Impervious cover numbers were obtained from the approved SWMP for Spring Branch MS from the 2020 CZP Modification)

Existing Conditions
Area = 36.19 acres
Impervious Cover = 11.46 acres
Runoff Coefficient = 0.66
Percent Impervious = 31.66%
Q_{25} = 142.60 cfs

Proposed Conditions
Area = 36.19 acres
Impervious Cover = 11.46 acres
Runoff Coefficient = 0.66
Percent Impervious = 31.66%
Q_{25} = 142.60 cfs

On-Site Drainage Area B

Existing Conditions
Area = 50.50 acres
Impervious Cover = 11.73 acres
Runoff Coefficient = 0.62
Percent Impervious = 23.23%
Q_{25} = 224.76 cfs

Proposed Conditions
Area = 50.50 acres
Impervious Cover = 12.02 acres
Runoff Coefficient = 0.63
Percent Impervious = 23.80%
Q_{25} = 225.69 cfs

On-Site Drainage Area B

Existing Conditions
Area = 11.11 acres
Impervious Cover = 2.66 acres
Runoff Coefficient = 0.63
Percent Impervious = 23.94%
Q_{25} = 52.91 cfs

Proposed Conditions
Area = 11.11 acres
Impervious Cover = 2.74 acres
Runoff Coefficient = 0.63
Percent Impervious = 24.66%
Q_{25} = 53.18 cfs

Character of Storm Water

Storm water runoff generated from the site during construction will be typical of an elementary school/middle school educational facility with buildings, parking lots, & small

addition/renovation construction 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 construction activities. Permanent stabilization of areas where soil is disturbed by construction activities will be accomplished by installing new vegetation, mulch and impervious cover in those areas as described in the Storm Water Pollution Prevention Plan.

Storm water runoff generated after construction is complete will also be typical of an elementary school/middle 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 sand filtration pond, existing vegetative filter strips, proposed vegetative filter strips, and a proposed JellyFish filter.

ATTACHMENT J

BMP'S FOR UPGRADIENT STORM WATER

Upgradient storm water enters the site along the west boundary. An existing 36" CMP culvert collects the upgradient flow on the west side of the access drive near Highway 46 and conveys the drainage along the existing bar ditch on the south side of Highway 46 until leaving the site. The aforementioned runoff does not traverse impervious cover prior to entering the existing bar ditch.

All other storm water originating upgradient of the site will continue to naturally enter the site and will not be impacting the existing sand filtration ponds.

During construction, temporary BMP's consisting of silt fences and a stabilized construction entrance/exit will be utilized to alleviate sediment from leaving the site.

ATTACHMENT K

BMP'S FOR ON-SITE STORM WATER

There are no surface streams or ground water that originates onsite and/or flows offsite.

During construction, temporary BMPs consisting of silt fences will be utilized at strategic locations to minimize the amount of sediment leaving the site.

Anticipated pollutants may be oil and grease from vehicles as well as suspended solids and sediments that are transported by vehicles entering the site and that are transported through the air and accumulate on impervious cover surfaces.

ATTACHMENT L

BMP's FOR SURFACE STREAMS

There are no surface streams on the project site. Temporary BMPs, as shown on the Site Plan, will be used to minimize sediments leaving the site and flowing into surface streams during construction.

LANDSCAPING:

PROVIDE 4" OF APPROVED TOPSOIL ALONG WITH HYDROMULCH ON ALL AREAS SHOWN TO RECEIVE HYDROMULCH. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO HYDROMULCH PLACEMENT TO VERIFY TOPSOIL DEPTH.

PROVIDE 4" OF APPROVED TOPSOIL ON ALL OTHER AREAS DISTURBED BY REGRADING / CONSTRUCTION ACTIVITIES ALONG WITH GRASS HYDROMULCH.

GRASS SEED HYDROMULCHING WILL BE DONE UTILIZING A SLURRY BLEND OF SEEDS, MULCH, WATER AND TACKYFIER AND WILL BE TRANSPORTED IN A TANK, TRUCK OR TRAILER AND SPRAYED OVER PREPARED GROUND.

IF HYDROMULCH SEED IS APPLIED AFTER SEPTEMBER 15, SEED MIX SHALL BE UNHULLED COMMON BERMUDA (CYNODON CACTYLON) – 2 POINDS PER 1000 S.F. AND WINTER RYE GRASS (LOLIUM PERENNE) – 4 POUNDS PER 1000 S.F.

CONTRACTOR SHALL PROVIDE AND MAINTAIN AN ABOVE GROUND PVC TEMPORARY IRRIGATION SYSTEM WITH TIMER UNTIL THE HYDROMULCH GRASS SEED IS ESTABLISHED.

SUBSTANTIAL COMPLETION WILL NOT BE ACCEPTED UNTIL HYDROMULCH SEED HAS BEEN ESTABLISHED

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.
13. 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 PLAN.
   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 LIDS.
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.

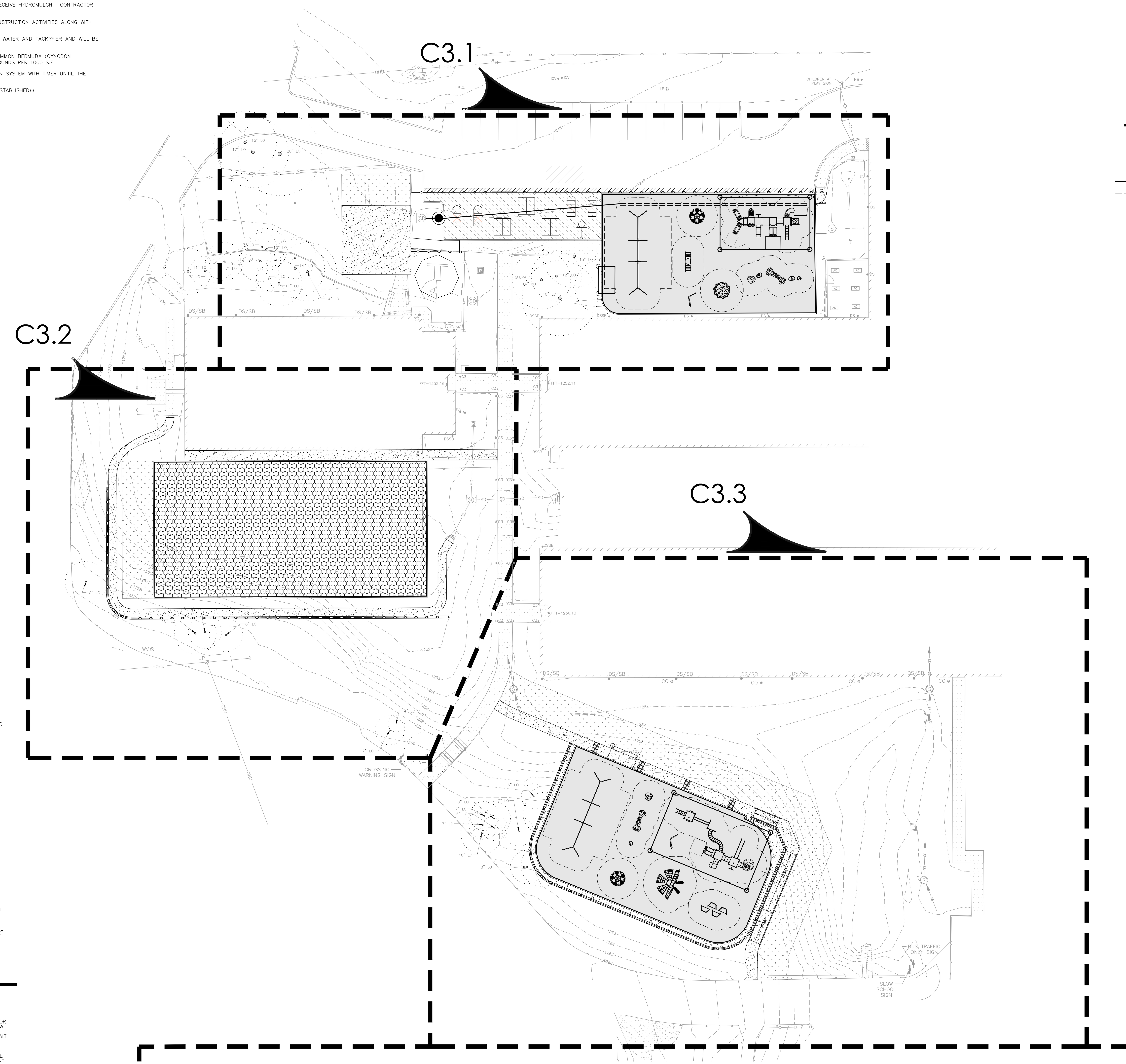
PAINT SPECFICATION

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 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.

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"=20'

0 20 40

LEGEND

+ 802.97	EXISTING SPOT ELEVATION
(802.00) +	PROPOSED ELEVATION NOTE: PROPOSED ELEVATIONS ARE TO TOP OF SURFACE OF FINISH GRADE WHICH INCLUDED TOP OF CONCRETE, TOP OF WOOD FIBER, TOP OF GROUND COVER OR TOP SOIL.
——1004——	NEW CONTOUR
— — —1004— — —	EXISTING CONTOUR
	EQUIPMENT FALL ZONE AREA (TYP.)
	VEGETATIVE FILTER STRIP
	RUBBER PLAYGROUND SURFACE
	ARTIFICIAL TURF
	LIGHT DUTY ASPHALT

REVISIONS

NO.	DATE	DESCRIPTION	BY

PROJ. # | DSGN. BY | DWN. BY | CHKD. BY | DATE

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STATE OF TEXAS
SEAN S. SMITH
113308
LICENSED PROFESSIONAL ENGINEER
10/7/2022

PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ES AND SPRING BRANCH MS
OVERALL GRADING AND DRAINAGE PLAN

SHEET
C3.0

R:\Comal ISD\2022 Playground Upgrades - Package C\Drawings\Arlon Seay ES\21288_C3.0_GRAD.dwg 2022/10/07 7:19am bstanish

LANDSCAPING:

PROVIDE 4" OF APPROVED TOPSOIL ALONG WITH HYDROMULCH ON ALL AREAS SHOWN TO RECEIVE HYDROMULCH. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO HYDROMULCH PLACEMENT TO VERIFY TOPSOIL DEPTH.

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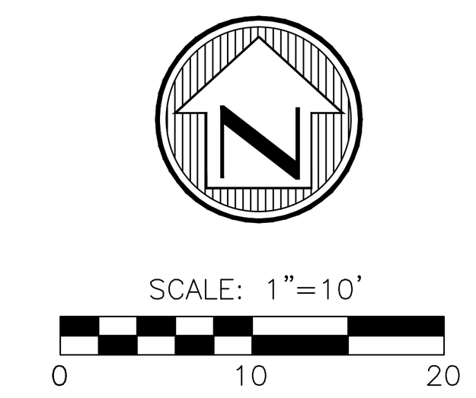

SITE GRADING/DRAINAGE KEYNOTES:

1. NEW CONCRETE SIDEWALK/FLATWORK. REFERENCE SECTION DETAIL NO. 6, SHEET C4.0.
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12. CONTRACTOR TO GRADE AREA TO DRAIN.
13. NEW SOLID SOD. REFERENCE LANDSCAPING NOTES.
14. NEW CONCRETE DRAINAGE SWALE.
15. NEW CONTECH JELLYFISH FILTER SYSTEM.
16. CONTRACTOR TO PROVIDE NEW SIDEWALK DRAIN. REFERENCE DETAIL NO. 1, SHEET C4.2.
17. NEW LIGHT DUTY ASPHALT PAVEMENT.
18. NEW LIGHT DUTY ASPHALT PAVEMENT TO MATCH EXISTING.
19. EXISTING ASPHALT TO REMAIN IN PLACE.
20. MODULAR BLOCK RETAINING WALL.
21. SIDEWALK RAMP TO BE SLOPED AT 1:12 MAX.

LEGEND

Symbol	Description
+ 802.97	EXISTING SPOT ELEVATION
(XXX.XX) +	PROPOSED ELEVATION NOTE: PROPOSED ELEVATIONS ARE TO TOP OF SURFACE OF FINISH GRADE WHICH INCLUDED TOP OF CONCRETE, TOP OF WOOD FIBER, TOP OF GROUND COVER OR TOP SOIL.
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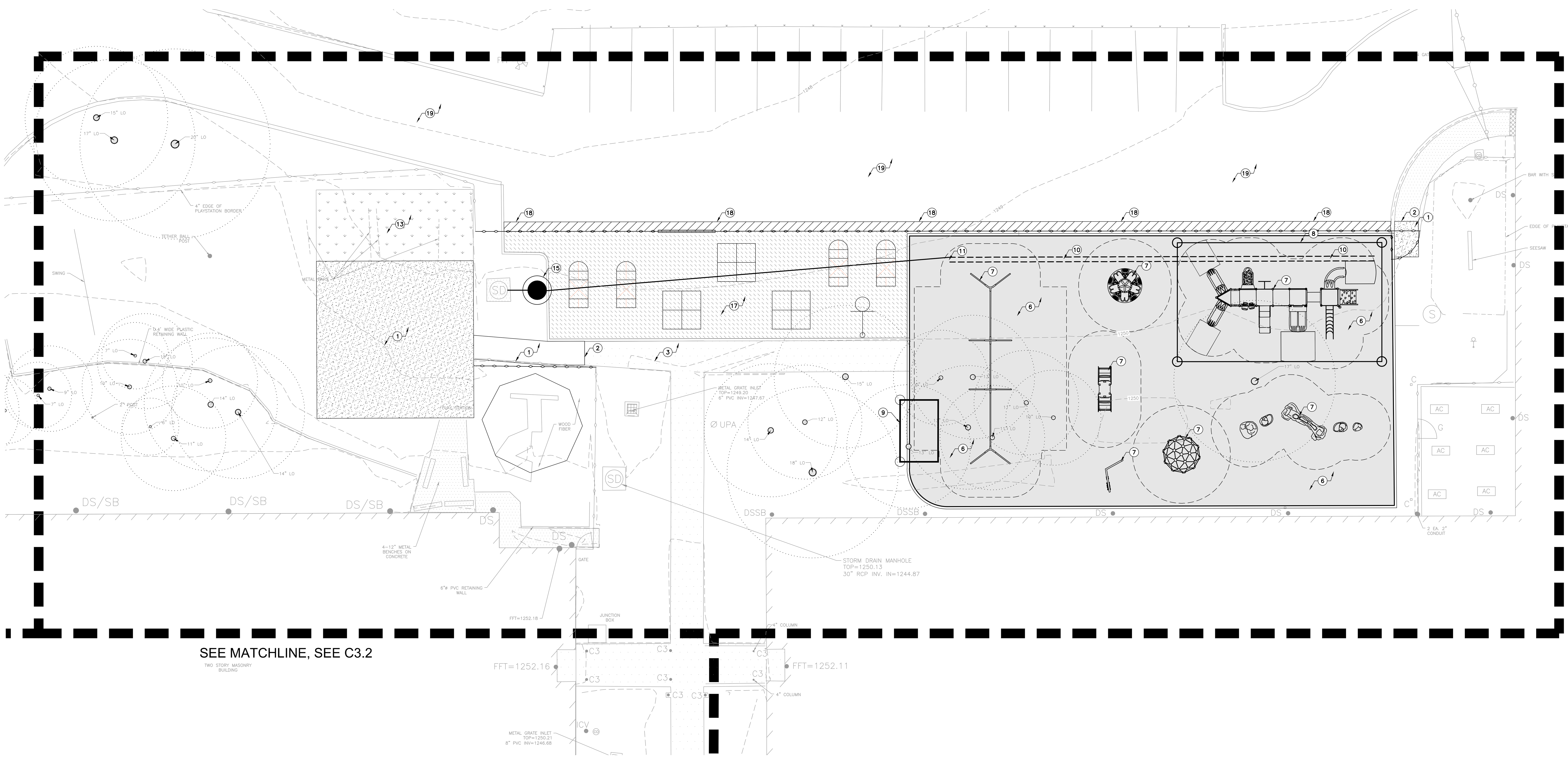
	HYDROMULCH GRASS SEED AREA
	RUBBERIZED PLAYGROUND SURFACE
	ARTIFICIAL TURF
	LIGHT DUTY ASPHALT
	NEW CONCRETE FLATWORK



SEE MATCHLINE, SEE C3.2

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PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ELEMENTARY SCHOOL
GRADING AND DRAINAGE PLAN

SHEET
C3.1

LANDSCAPING:

PROVIDE 4" OF APPROVED TOPSOIL ALONG WITH HYDROMULCH ON ALL AREAS SHOWN TO RECEIVE HYDROMULCH. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO HYDROMULCH PLACEMENT TO VERIFY TOPSOIL DEPTH.

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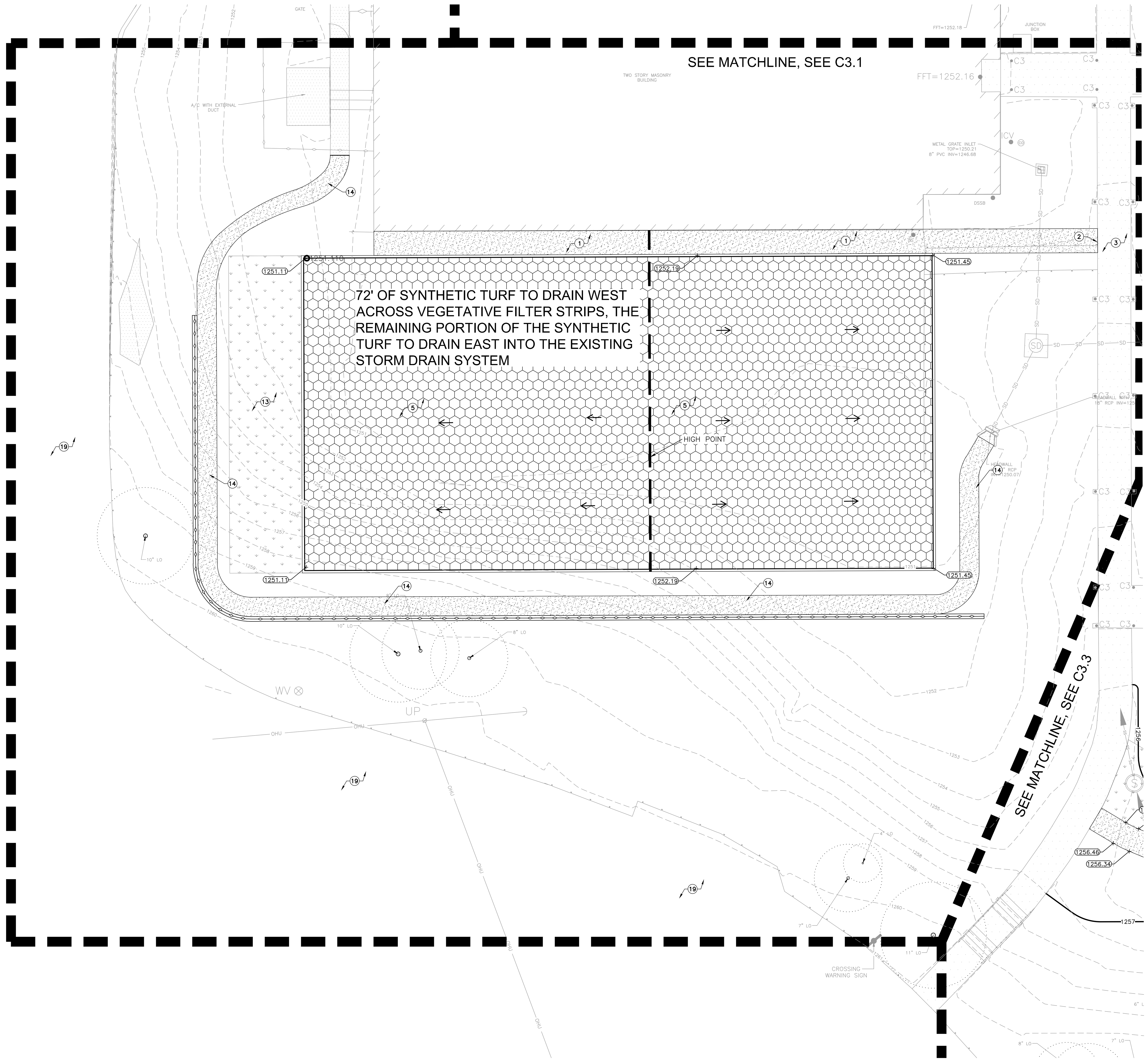

SCALE: 1"=10'

0 10 20

LEGEND

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—1004—	NEW CONTOUR
— —1004— —	EXISTING CONTOUR
	EQUIPMENT FALL ZONE AREA (TYP.)
	HYDROMULCH GRASS SEED AREA
	RUBBERIZED PLAYGROUND SURFACE
	ARTIFICIAL TURF
	LIGHT DUTY ASPHALT
	NEW CONCRETE FLATWORK

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1. NEW CONCRETE SIDEWALK/FLATWORK. REFERENCE SECTION DETAIL NO. 6, SHEET C4.0.
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10/7/2022

PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ELEMENTARY SCHOOL
GRADING AND DRAINAGE PLAN

SHEET
C3.2

LANDSCAPING:

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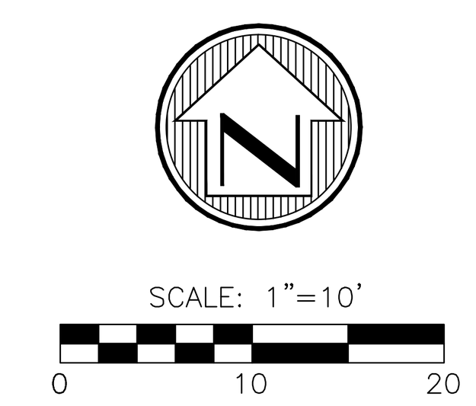

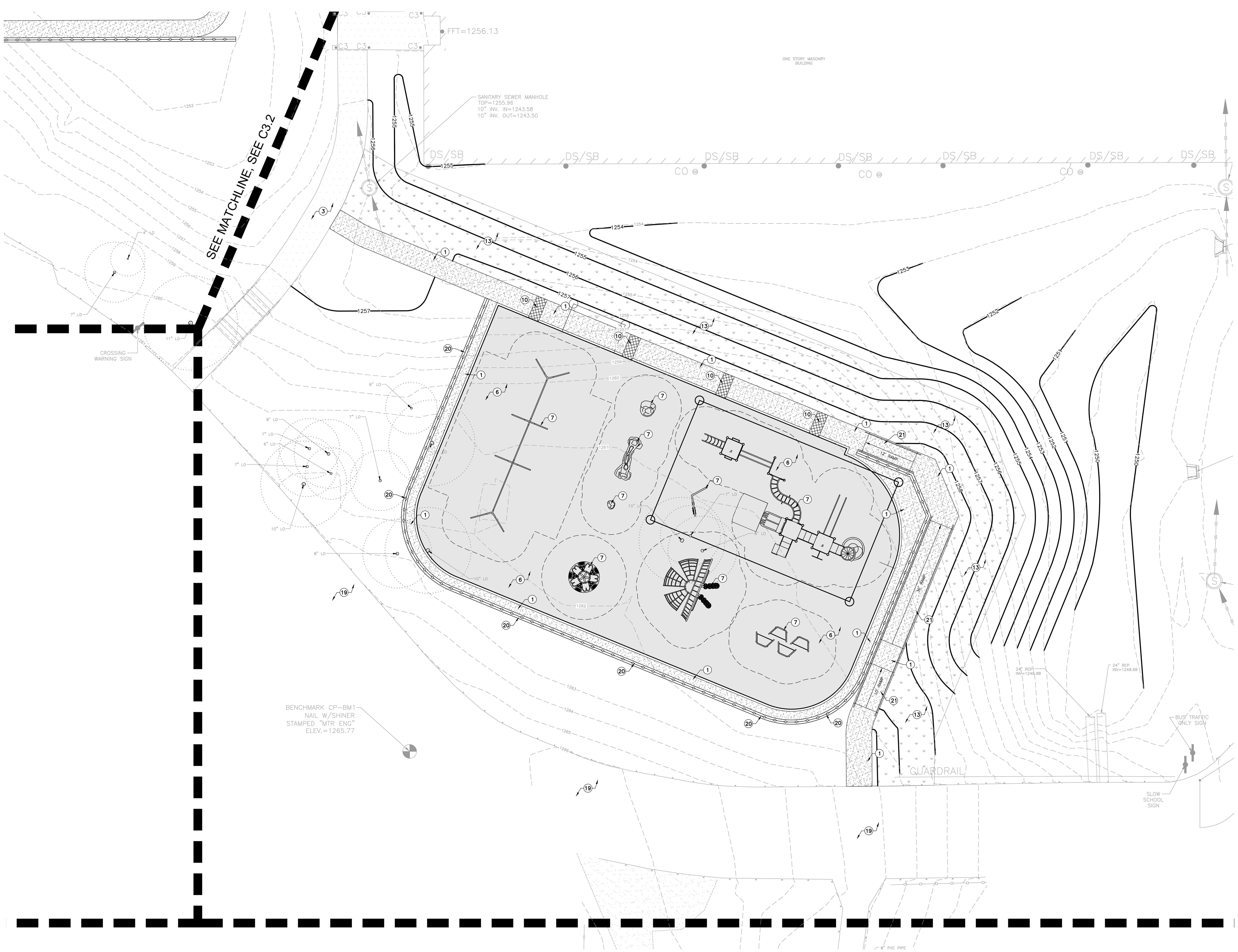

LEGEND

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——1004——	NEW CONTOUR
— — 1004 — —	EXISTING CONTOUR
	EQUIPMENT FALL ZONE AREA (TYP.)
	HYDROMULCH GRASS SEED AREA
	RUBBERIZED PLAYGROUND SURFACE
	ARTIFICIAL TURF
	LIGHT DUTY ASPHALT
	NEW CONCRETE FLATWORK

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PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ELEMENTARY SCHOOL
GRADING AND DRAINAGE PLAN

SHEET
C3.3

1A. HEAVY DUTY ASPHALT PAVEMENT SECTION
1B. ASPHALT PATCH SECTION IN PUBLIC ROW
NOTES:
1. LIME TREATMENT SHALL BE PER TXDOT STANDARD SPECIFICATION, ITEM 260. PROVIDE AN ESTIMATED 5% LIME BY WEIGHT AND COORDINATE WITH OWNER'S GEOTECHNICAL ENGINEER FOR DETERMINATION OF OPTIMUM CONTENT. PLACEMENT OF LIME TREATED MATERIAL SHALL BE IN LOOSE LIFTS NOT TO EXCEED 8" THICK AND COMPACTED TO 95% MIN. AT A MOISTURE CONTENT OF OPTIMUM TO +3% (TEX-121-E). ALLOW LIME TREATED MATERIAL 48-72 HOURS FOR ADEQUATE CURING.
1 FLEXIBLE PAVEMENT DETAIL
SCALE: NONE
2 ASPHALT PAVEMENT JUNCTURE DETAIL
SCALE: NONE
NOTES:
1. PROVIDE CONTROL JOINTS @ 15' O.C. & EXPANSION JOINTS @ 60' O.C.
2. SEAL ALL JOINTS WITH JOINT SEALANT (MASTERSEAL NP-1, OR APPROVED EQUAL).
3 TYPICAL 6" CONCRETE CURB DETAIL
SCALE: NONE
NOTES:
1. PROVIDE CONTROL JOINTS @ 15' O.C. & EXPANSION JOINTS @ 60' O.C.
2. SEAL ALL JOINTS WITH JOINT SEALANT (MASTERSEAL NP-1, OR APPROVED EQUAL).
4 HEADER (FLUSH) CURB DETAIL
SCALE: NONE
NOTES:
1. TYPE "B" HOT MIX ASPHALTIC CONCRETE PAVEMENT PER CITY OF SAN ANTONIO ITEM NUMBER 205.
5 UTILITY TRENCH PATCH DETAIL
SCALE: NONE
TYPICAL EXPANSION JOINT CONCRETE WALK/BLDG. OR CONC. PAVEMENT INTERFACE
TYPICAL EXPANSION JOINT
TYPICAL SECTION
THICKENED EDGE
TYPICAL CONTROL JOINT
GENERAL NOTES FOR CONCRETE SIDEWALKS:
1. ALL SIDEWALKS SHALL BE A MINIMUM 3000 PSI CONCRETE WITH NO. 3 BARS AT 12" INCHES ON CENTER.
2. SLOPE SIDEWALKS AWAY FROM BLDG. AS INDICATED ON DRAWINGS OR AT 2% MAX.
3. PROVIDE SIDEWALK WITH A HORIZONTAL (CROSS) BRUSH FINISH ON ALL SURFACES.
4. GROOVE CONTRACTION JOINTS SHALL BE SPACED 5 FT. ON CENTERS, WITH 1/2" ELECTROMETRIC EXPANSION JOINTS AT EVERY 30 FT.
5. PROVIDE A 1/2" ELECTROMETRIC EXPANSION JOINT ALONG NEW BUILDING BETWEEN ALL NEW SIDEWALK. SEAL WITH NP1 JOINT SEALANT.
6. ALL BASE MATERIAL UNDER SIDEWALKS TO BE MOISTURE CONDITIONED AND COMPACTED.
7. MAINTAIN 2" OF CLEAR COVER BETWEEN REINFORCING STEEL AND EDGE OF CONCRETE
8. ALL DOWEL BARS SHALL BE SMOOTH AND ALL REINFORCING BARS SHALL BE DEFORMED "REBAR" BOTH DOWELS AND REBAR SHALL BE AT A MINIMUM GRADE 60.
9. CONTRACTOR SHALL SUBMIT JOINTING PLAN TO ENGINEER FOR REVIEW PRIOR TO PLACEMENT OF CONCRETE.
10. CONCRETE FLATWORK 3,000 PSI. SLUMP = 4.0" ± 1.0". NO FLY ASH WILL BE ACCEPTED.
11. WATER TO CEMENT RATIO (LBS/LBS) CANNOT EXCEED 0.50.
6 SIDEWALK/FLATWORK DETAILS
SCALE: NONE
ISOMETRIC
7 DOWNSPOUT CONNECTION
SCALE: NONE
SECTION
PLAN
8 SOLID LID CATCH BASIN WITH CONCRETE COLLAR DETAIL
SCALE: NONE
CAST IRON LID - SANITARY SEWER SYSTEM ONLY
CAST IRON LID - STORM DRAINAGE SYSTEM ONLY
NOTES:
1. ALL PIPING AND FITTINGS TO BE PVC SDR 26.
2. CLEANOUTS LOCATED INSIDE THE PLAYGROUND TO BE PLACED IN CONCRETE PAD AT THE TOP OF GRAVEL ELEVATION BELOW ENGINEERED WOOD FIBER.
9 ONE-WAY CLEANOUT DETAIL
SCALE: NONE
SECTION "A-A"
10 JUNCTION BOX/GRATE INLET CONCRETE COLLAR DETAIL
SCALE: NONE
11 TRENCH DETAIL
SCALE: NONE
DETAIL "A"
DETAIL "B"
NOTE:
PROVIDE PIPE OPENINGS AS REQUIRED FOR PROPOSED STORM DRAINAGE CONSTRUCTION AND CONCRETE COLLAR AT PIPE CONNECTION PER DETAIL NO. 2 THIS SHEET.
12 JUNCTION BOX SECTION DETAIL
SCALE: NONE
*MIRAFI 140N SHALL OR APPROVED EQUAL - "A FILTER FABRIC SHALL BE PLACED BETWEEN THE TOP OF THE GRAVEL BACKFILL (INITIAL BACKFILL) AND THE SECONDARY BACKFILL. THE FILTER FABRIC SHALL COVER THE TOTAL WIDTH AND LENGTH OF THE TRENCH AND SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATION. THE FILTER MATERIAL SHALL HAVE AN APPARENT OPENING SIZE OF U.S. STANDARD SIEVE NO. 40."
TYPICAL DETAIL FOR RCP
TYPICAL DETAIL FOR CMP, HDPE, PVC & SRCMP
NOTE:
HYDRO FLOW PIPE HAS TO BE BRACED PRIOR TO BACKFILLING. (NO LARGE ROCKS ALLOWED)
13 PIPE BEDDING & BACKFILL DETAIL
SCALE: NONE
REVISIONS
MTR Moy Tarin Ramirez Engineers, LLC
· Engineers · Surveyors · Planners
TBPELS: ENGINEERING F-5297/SURVEYING F-10131500
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STATE OF TEXAS
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113308
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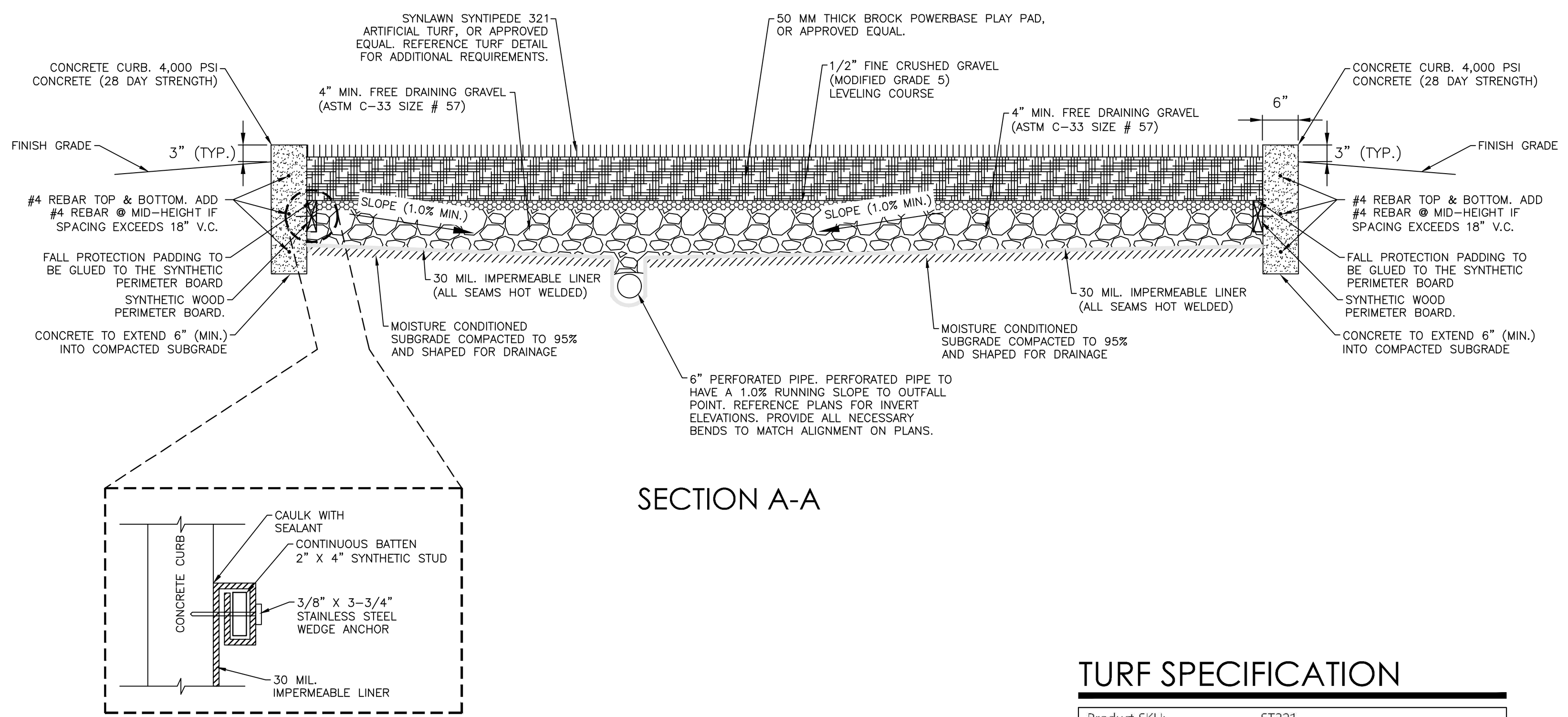
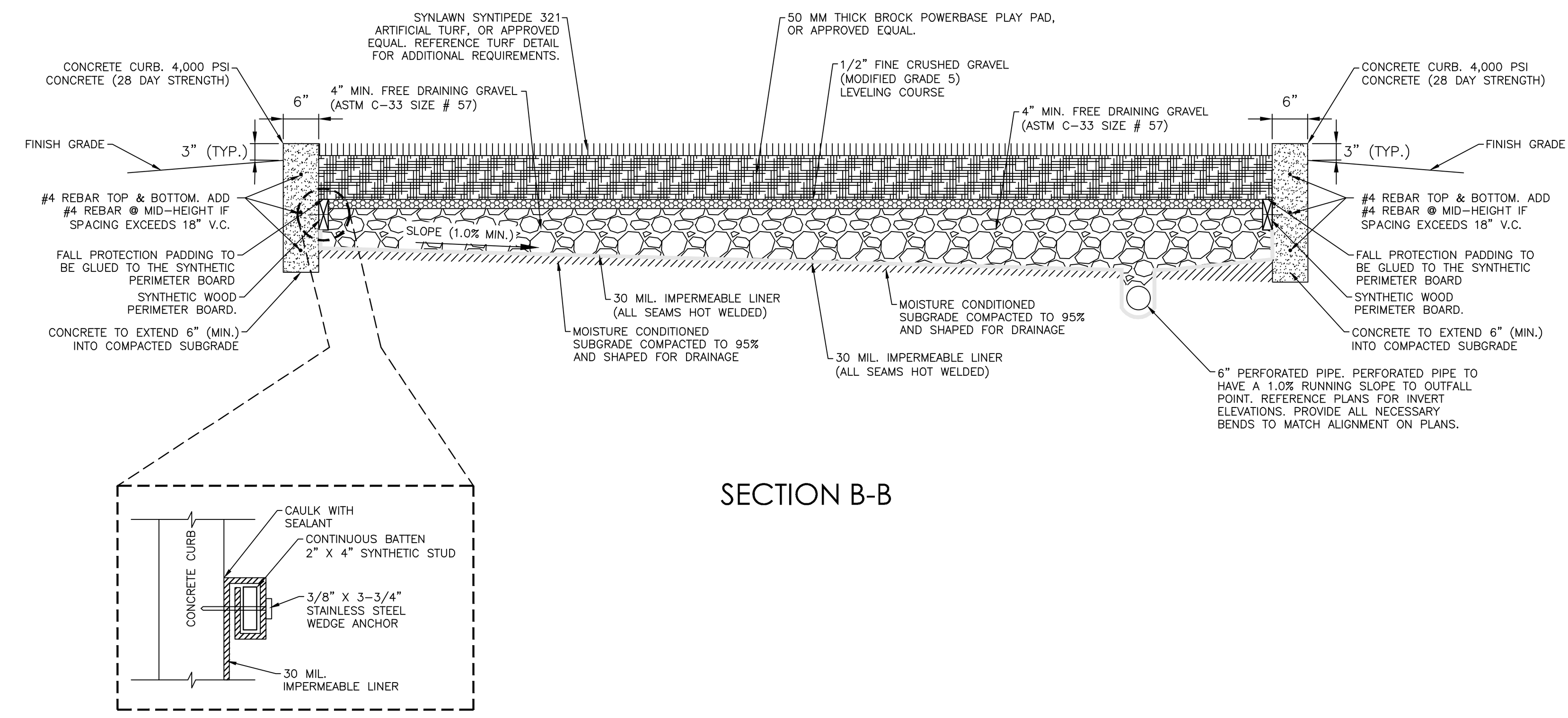
10/7/2022
PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ES AND SPRING BRANCH MS
DETAILS
SHEET
C4.0



SECTION A-A



SECTION B-B

TURF SPECIFICATION

Product SKU:	ST321
Grass Zone Yarn/Color:	Polyethylene/Field/Apple
Grass Zone Denier:	10000/6
Thatch Zone Yarn/Color:	Polyethylene/Turf Green
Thatch Zone Denier:	5040/12
Grass Zone Yarn Shape:	Omega
Finished Pile Height:	1 5/8"
Finished Pile Weight:	80 oz.
Backing: Primary| 2-part 13/18 6 oz. PP - Secondary|20oz EnviroLoc™	
Tuft Gauge:	3/8"
Total Weight:	106 oz.
Tuff Bind:	>8 lbs.
Fall Rating:	10 feet
Permeability:	>45 inches per /SY
Features:	Deluster, UV Stabilizers, Enviroloc™, HeatBlock™, Plaant-Based
Test Data:	ASTM E648, ASTM F1292, ASTM F1951, Pill Test, Critical Radiant Flux

PowerBase PLAY – Typical Properties

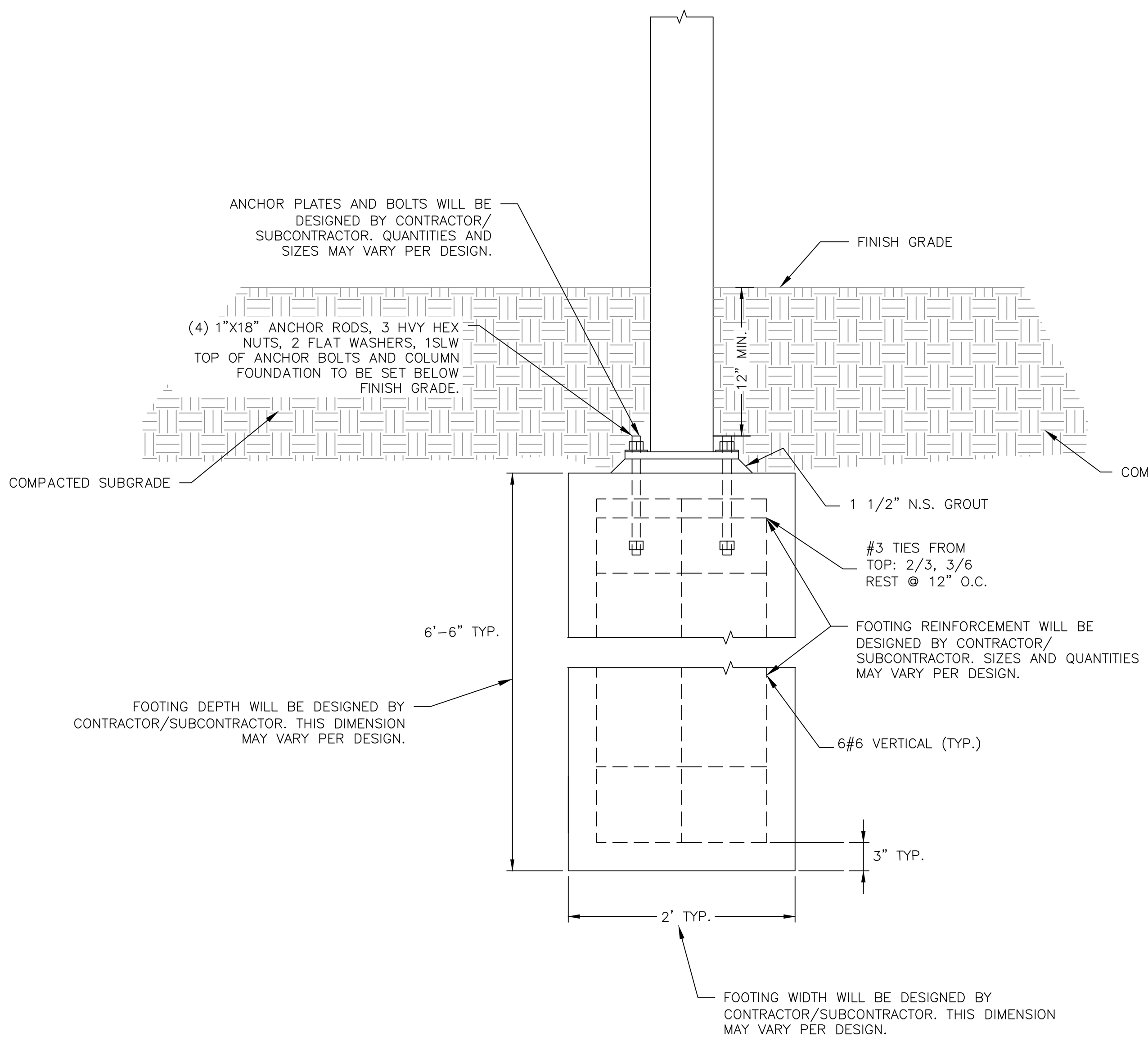
Product Number	PLB50	
Material Type	Expanded Polypropylene	
Product Format	Edge locking panel	
Product Thickness	1.97 in (50 mm)	
Part Size, nominal net coverage	16.89 sq ft (1.57 sq m)	
Panel Length	59.8 in (1.52 m)	
Panel Width	40.7 in (1.03 m)	
Panel Weight	4.0 lbs (1.8 kg)	
Tensile Strength [1]	0.41 MPa - 58 psi	ASTM D3574-08 Test E
Tensile Elongation [2]	15%	ASTM D3574-08 Test E
Compression Strength [3] @ 25% strain @ 50% strain	 0.18 MPa – 26 psi 0.27 MPa – 39 psi	ASTM 3575-08 Test D
Vertical Permeability [4]	> 250 in/hr	ASTM F1551
Water Absorption [5] After 24 hrs immersion	0.81%	ASTM C272
Dimensional Stability – Linear Thermal Expansion [6] per 1° C per 20° C	 0.08 mm/m 1.65 mm/m	ASTM D696
Flammability [7]	< 100 mm/min. PASS	FMVSS 302
Resistance to Chemicals [8]	1 / 2	JSP Method based on ASTM F925
Resistance to Acid and Alkaline Liquids [9] % tensile strength loss – 100 yr Model	0% after 12 days	EN 14030:2010 ISO 12960:1998
Resistance to Oxidation (Accelerated Aging) [10] % tensile strength loss – 100 yr Model	6% after 56 days @ 110°C	ISO 13438:2004
Microbiological Analysis bacteria resistance [11] fungi resistance [12]	 no growth no growth	 ASTM G22-76 ASTM G21-96
Environmental Standards Testing Cradle to Cradle [13] Heavy Metals / Mercury [14] VOC's [14] SVOC's [14] CCR Title 22 [14] COEHHA Proposition 65 [15]	Certified Compliant to EPA human health standards, surface water quality, groundwater quality Compliant Compliant	Cradle to Cradle Products Innovation Institute EPA 6010B, 7470A, 7471A EPA 8260B EPA 8270C

NOTE:

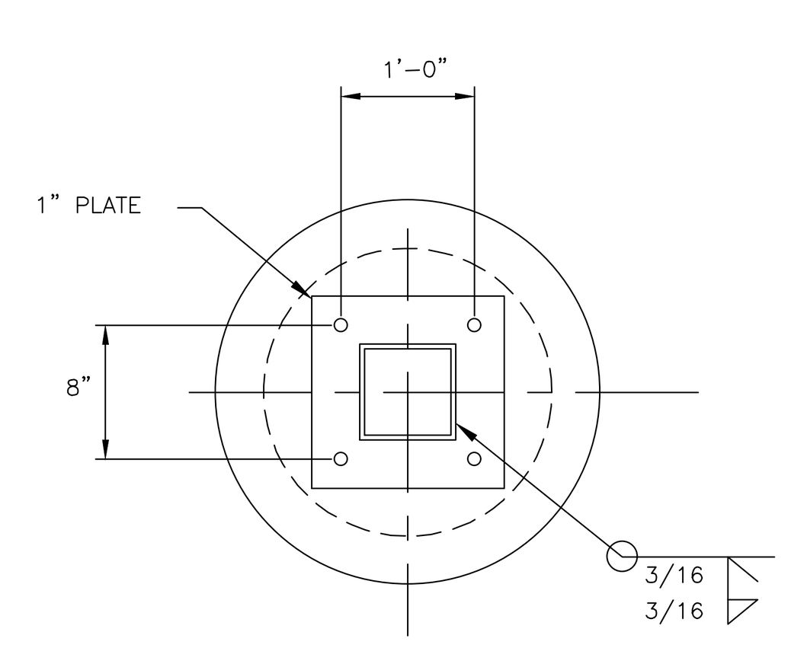
1. SYNTHETIC TURF AND FALL ZONE PROTECTION TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS BY FACTORY AUTHORIZED INSTALLER.
2. TURF AND FALL PROTECTION SYSTEM SHALL BE CAPABLE OF DRAINING AT A RATE OF 5 IN/HR MINIMUM.
3. IMPERMEABLE LINER SEAMS SHALL BE THERMALLY FUSED DUAL TRACK WELDED AND SHALL BE AIR CHANNEL TESTED ALONG IT'S ENTIRE LENGTH PER MANUFACTURER RECOMMENDATIONS. GLUING OF LINEAR SEAMS IS NOT AN ACCEPTABLE ALTERNATIVE.
4. 1" PVR SECTION PER GEOTECHNICAL REPORT DATED JULY 26TH, 2021.

1 SYNTHETIC PLAYGROUND TURF SECTION

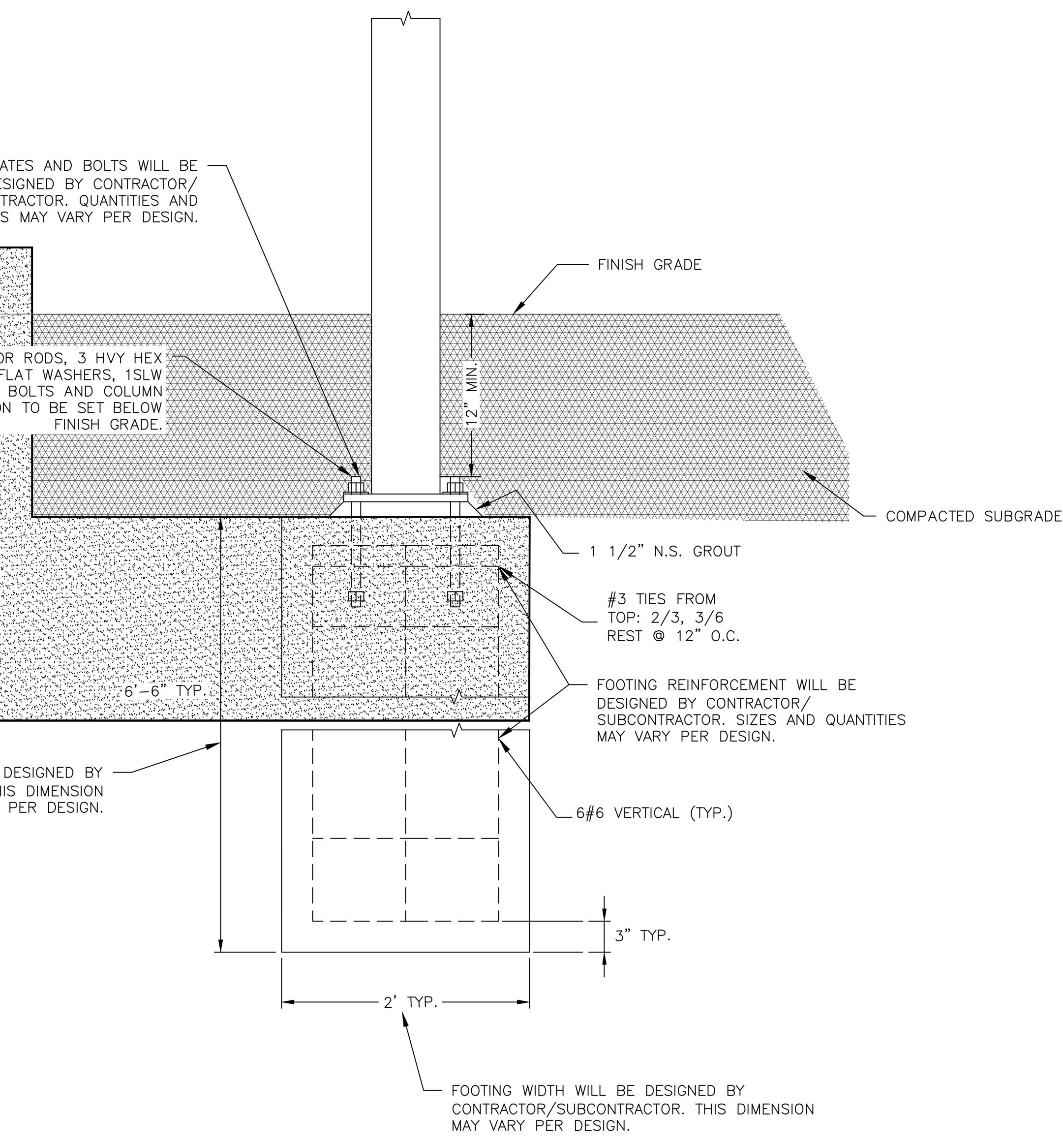
SCALE: NONE



SCALE: N.T.S.
ELEVATION



SCALE: N.T.S.
TOP VIEW

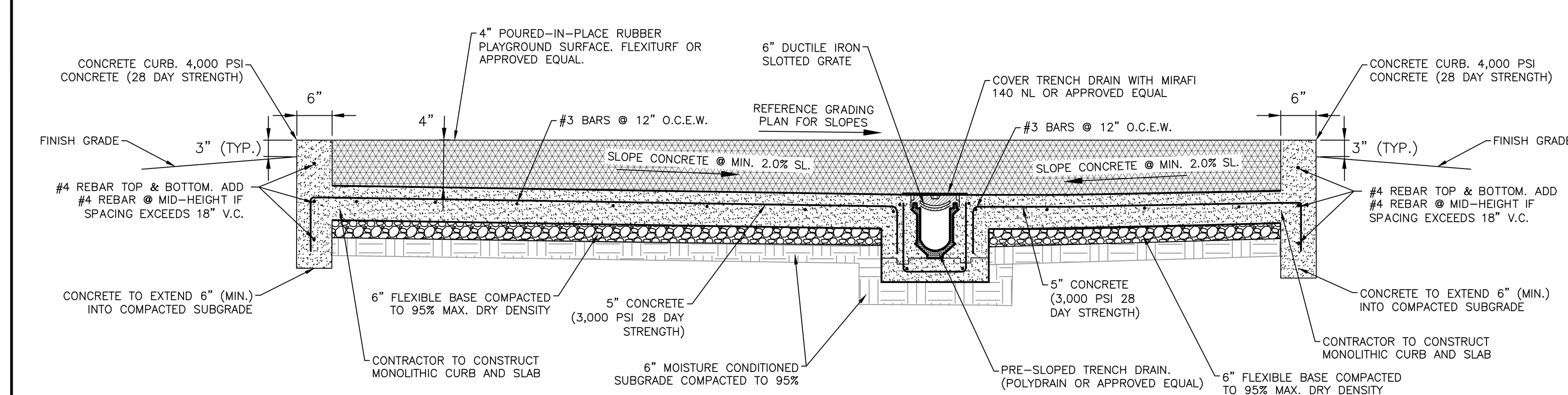


SCALE: N.T.S.
ELEVATION

CONTRACTOR TO PROVIDE SIGNED AND SEALED FOOTING DRAWINGS FOR ALL SHADE STRUCTURES.

2 EXAMPLE CONCRETE FOOTING DETAIL

SCALE: NONE



3 POURED-IN-PLACE RUBBER SECTION

SCALE: NONE

NO.	DATE	REVISIONS DESCRIPTION	BY

PROJ. # | DSGN. BY: | DWN. BY: | CHKD. BY: | DATE:

MTR
Moy Tarin Ramirez Engineers, LLC
· Engineers · Surveyors · Planners
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STATE OF TEXAS
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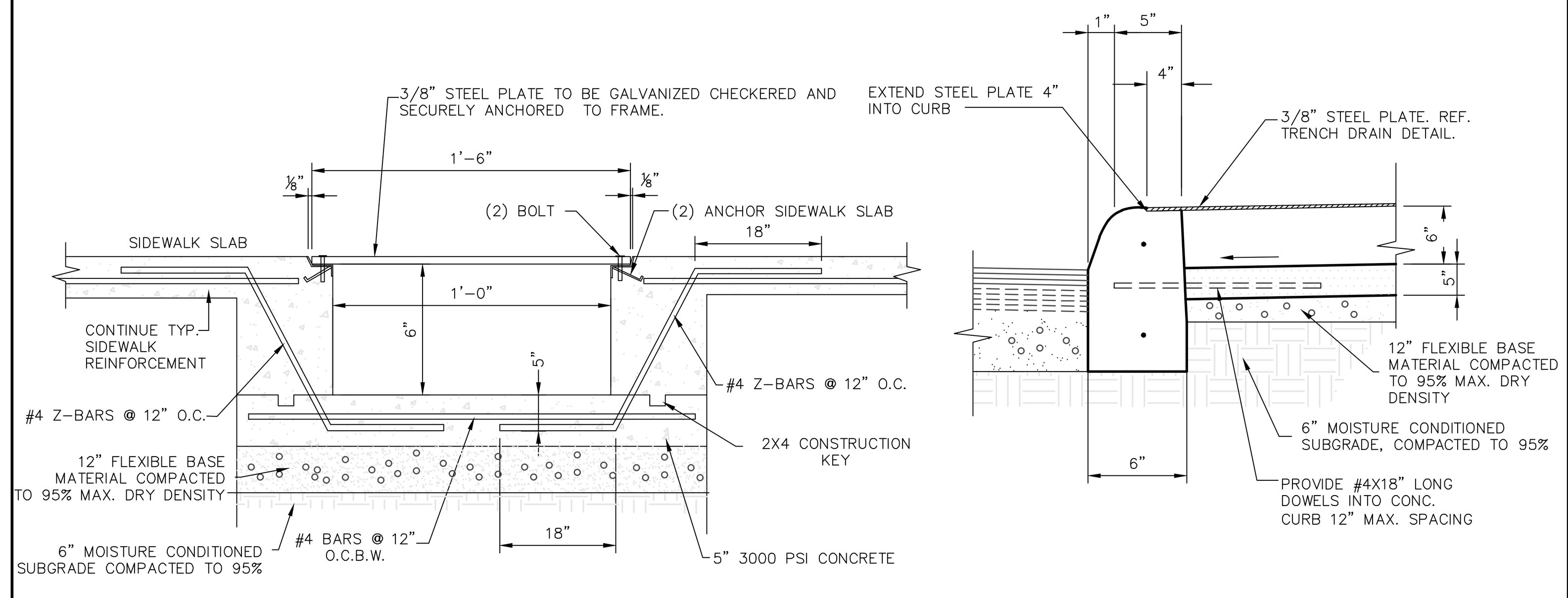
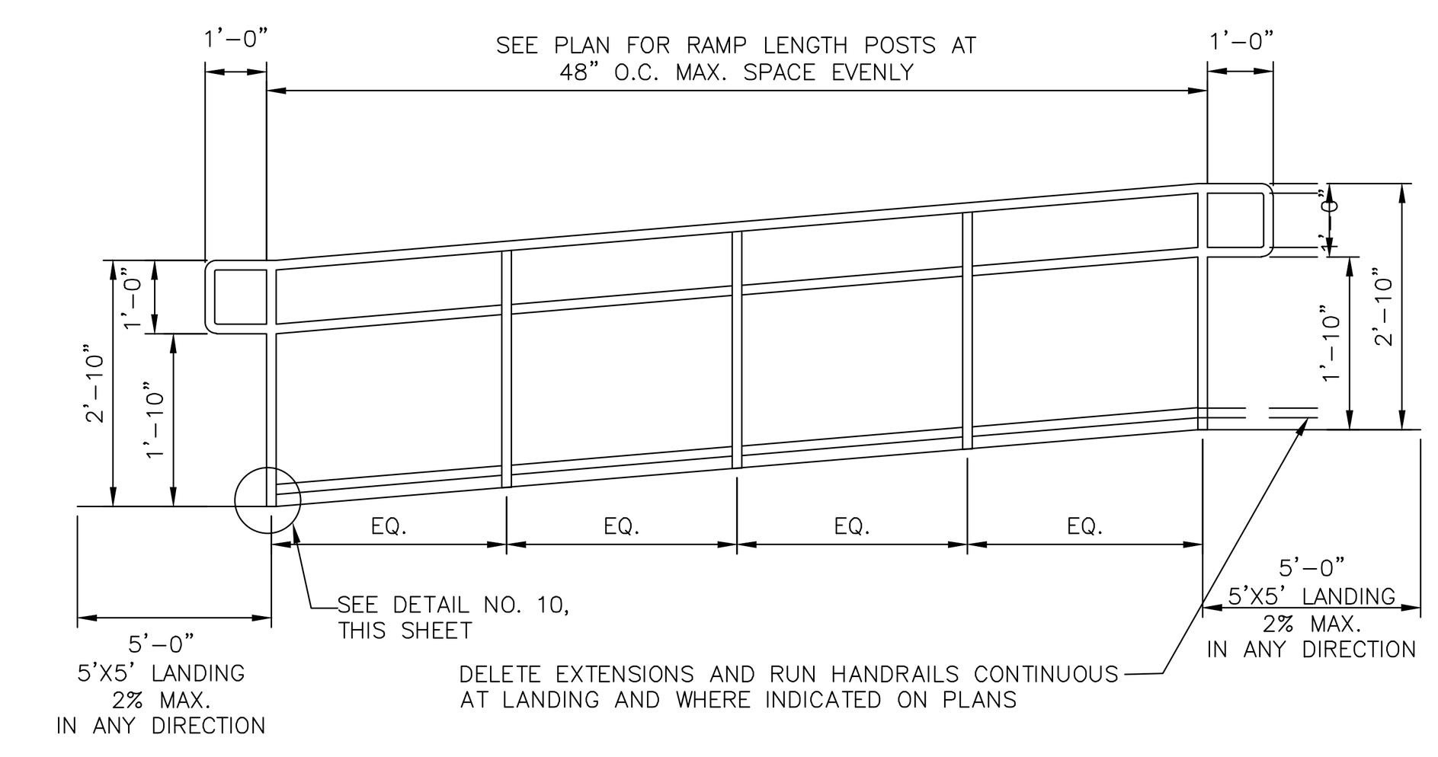
LICENSED PROFESSIONAL ENGINEER
10/7/2022

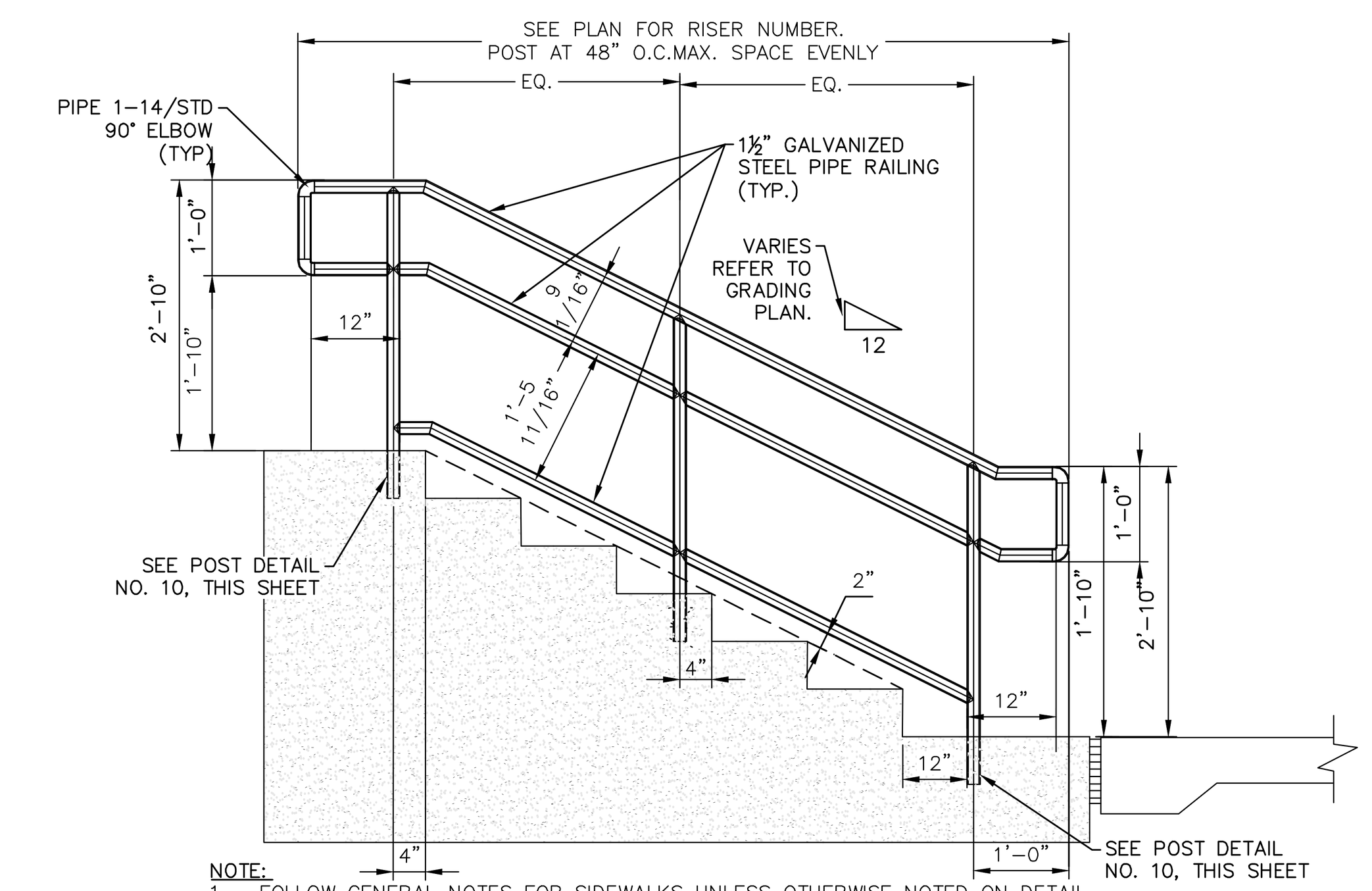
PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ES AND SPRING BRANCH MS
DETAILS

SHEET
C4.1

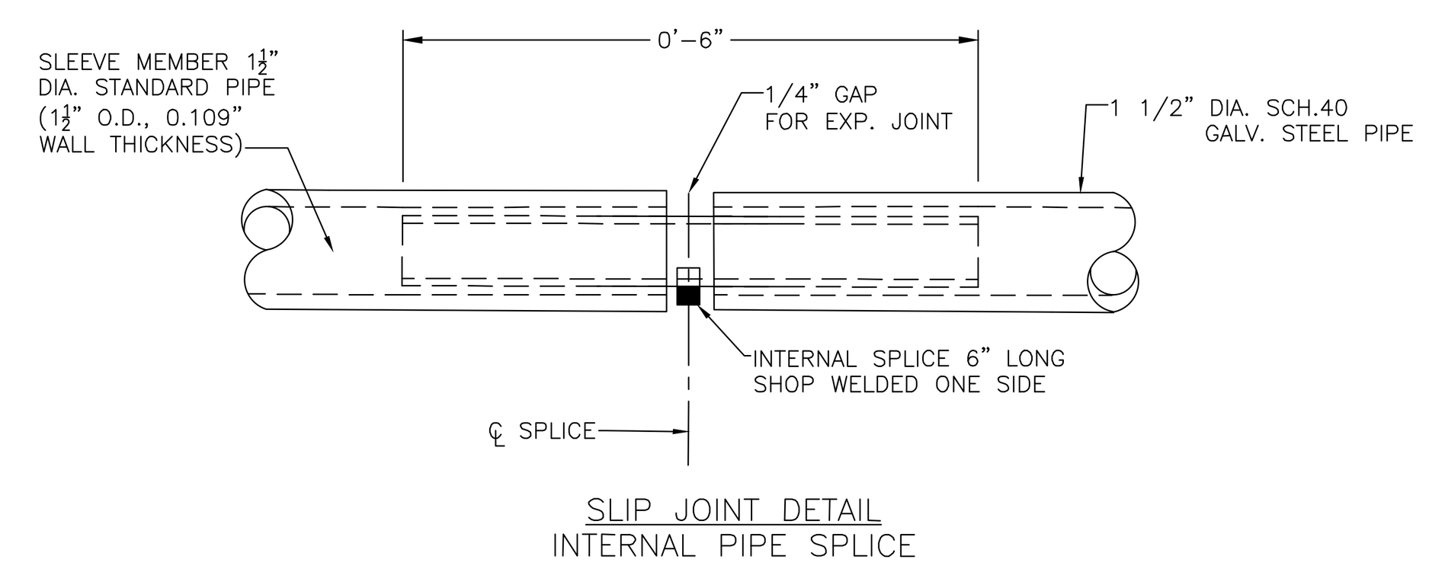




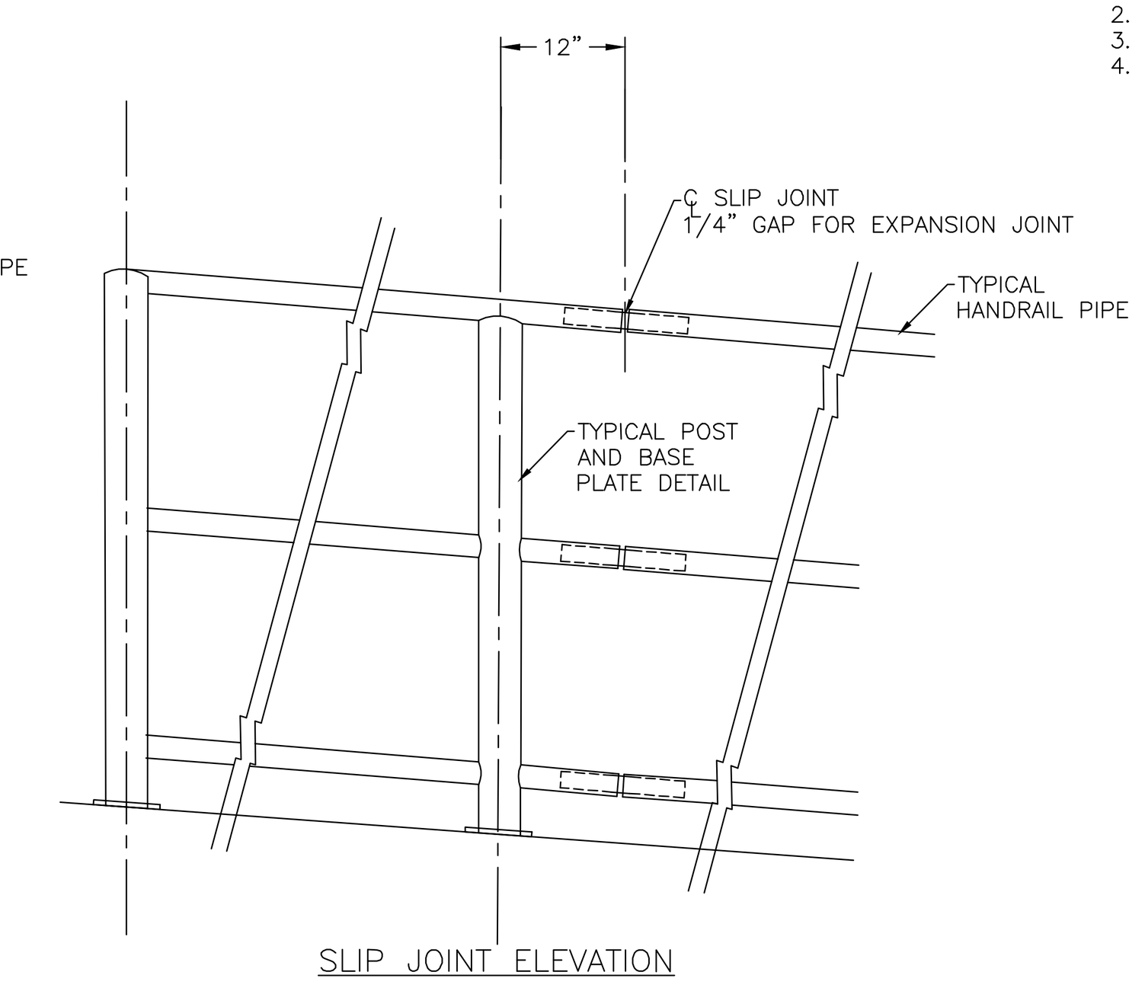
NOTE:
1. HANDRAIL CONSTRUCTION 1 1/2" GALV. STEEL PIPE – TYPICAL
2. ALL STEEL PIPE TO BE HOTDIPPED GALVANIZED AFTER FABRICATION.
3. NO ONSITE WELDING WILL BE ALLOWED.
4. CONTRACTOR TO PROVIDE A SLIP-JOINT AT ALL CONSTRUCTION JOINTS.



NOTE:
1. FOLLOW GENERAL NOTES FOR SIDEWALKS UNLESS OTHERWISE NOTED ON DETAIL.
2. REFERENCE GRADING PLAN FOR PROPOSED SPOT ELEVATIONS.
3. REFERENCE GRADING PLAN FOR NUMBER AND DEPTH OF RISERS.
4. IF 2 OR MORE RISERS, PROVIDE ADJACENT HANDRAILS. EXTEND HANDRAILS 1' BEYOND LIMITS OF RISERS AS SHOWN ON PLAN. SEE HANDRAIL DETAIL, THIS SHEET.



SLIP JOINT DETAIL
INTERNAL PIPE SPLICE

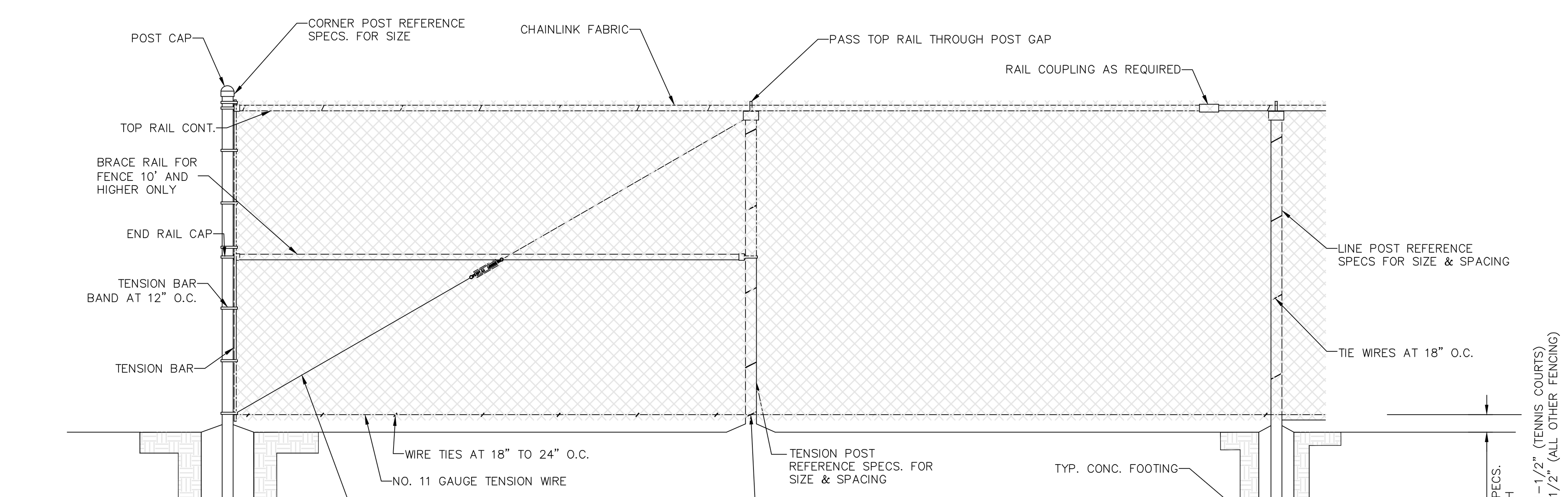


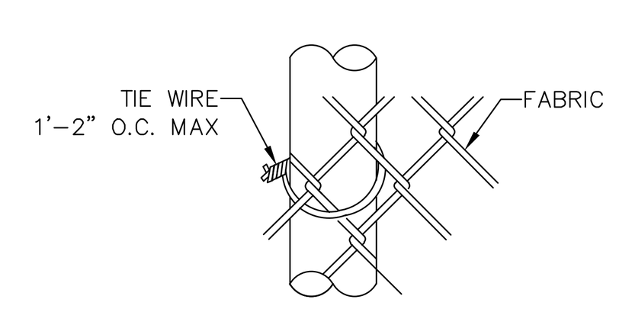
SLIP JOINT ELEVATION

NOTE:
PROVIDE HANDRAIL/GUARDRAIL PIPE SLIP JOINTS @ 30' MAX. SPACING OR ACROSS CONCRETE EXPANSION JOINTS.

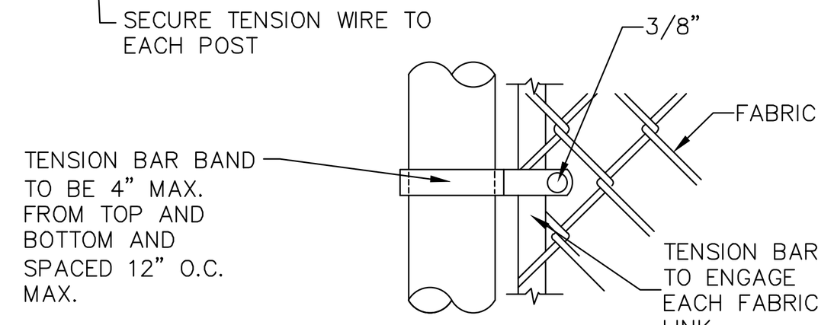
1 SCALE: NONE — ***SINGLE SIDEWALK DRAIN WITH COVER DETAIL***

2 SCALE: NONE — ***TYPICAL RAIL AT RAMP AND CONCRETE STEPS WITH SLIP JOINT DETAIL***

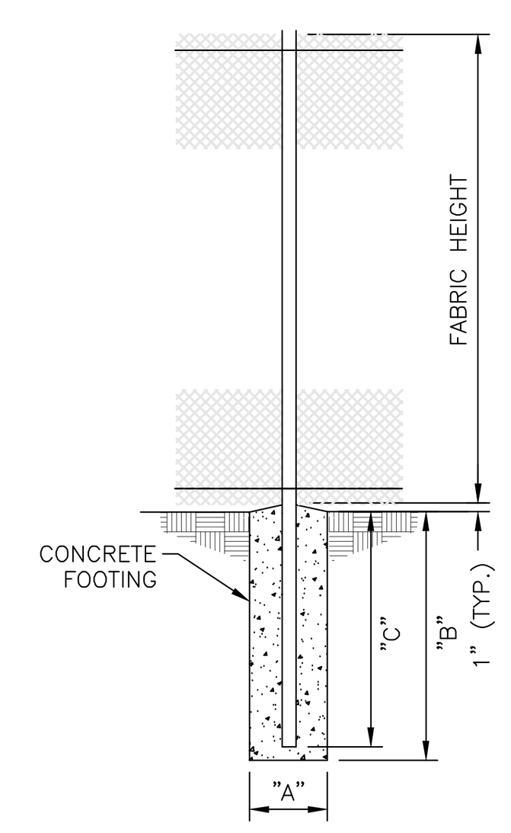


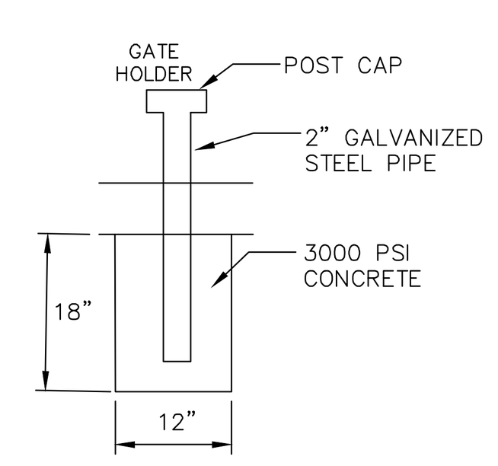


WIRE TIES FOR POST



DETAIL - END OR GATE POST





LINE AND TERMINAL POSTS

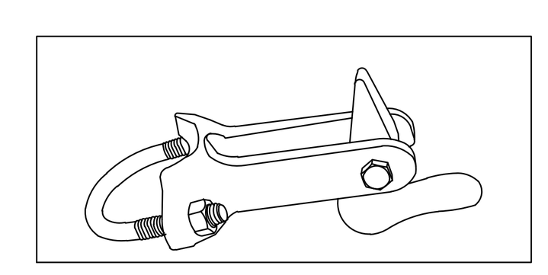
FABRIC HEIGHT	TYPE POST	"A" DIAM	"B" DEPTH	"C" POST EMBED.
4'-0"	LINE	10"	28"	30"
	TERMINAL	12"	34"	36"
5'-0" TO 6'-0"	LINE	12"	30"	28"
	TERMINAL	12"	40"	38"
8'-0"	LINE	12"	36"	34"
	TERMINAL	12"	40"	38"
10'-0" TO 12'-0"	LINE	16"	48"	46"
	TERMINAL	16"	48"	46"

NOTE: TERMINAL POSTS INCLUDE END, CORNER, AND TENSION POSTS

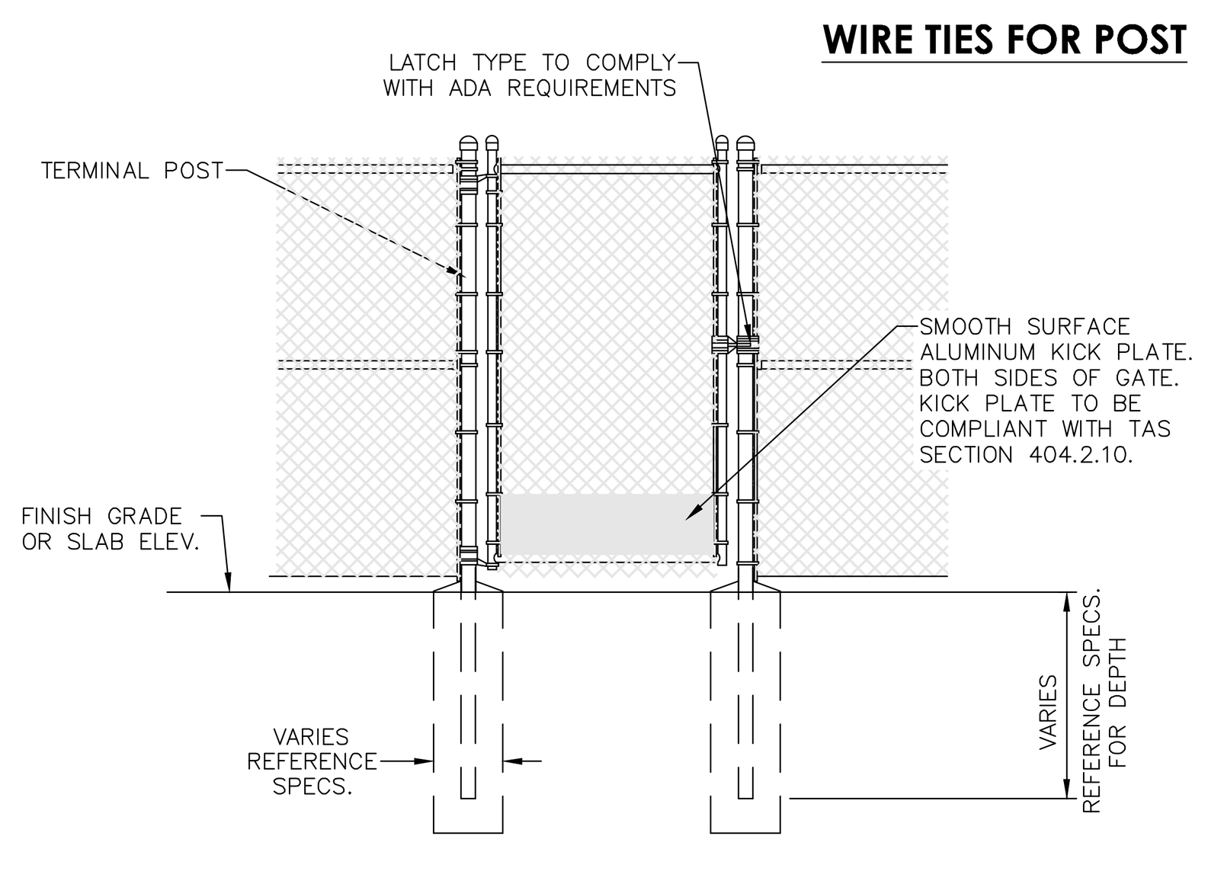
GATE POST

GATE LEAF WIDTH	GATE POST (OD)	FABRIC HEIGHT	"A" DIAM	"B" DEPTH	"C" POST EMBED.
3' TO 4'	3"	4'	10"	30"	28"
		5' TO 6'	12"	40"	38"
		8'	16"	46"	44"
5' TO 9'	4"	3' TO 4'	18"	48"	46"
		5' TO 6'	18"	48"	46"
		8'	18"	60"	58"
10'	6.625"	8'-0"	18"	60"	58"

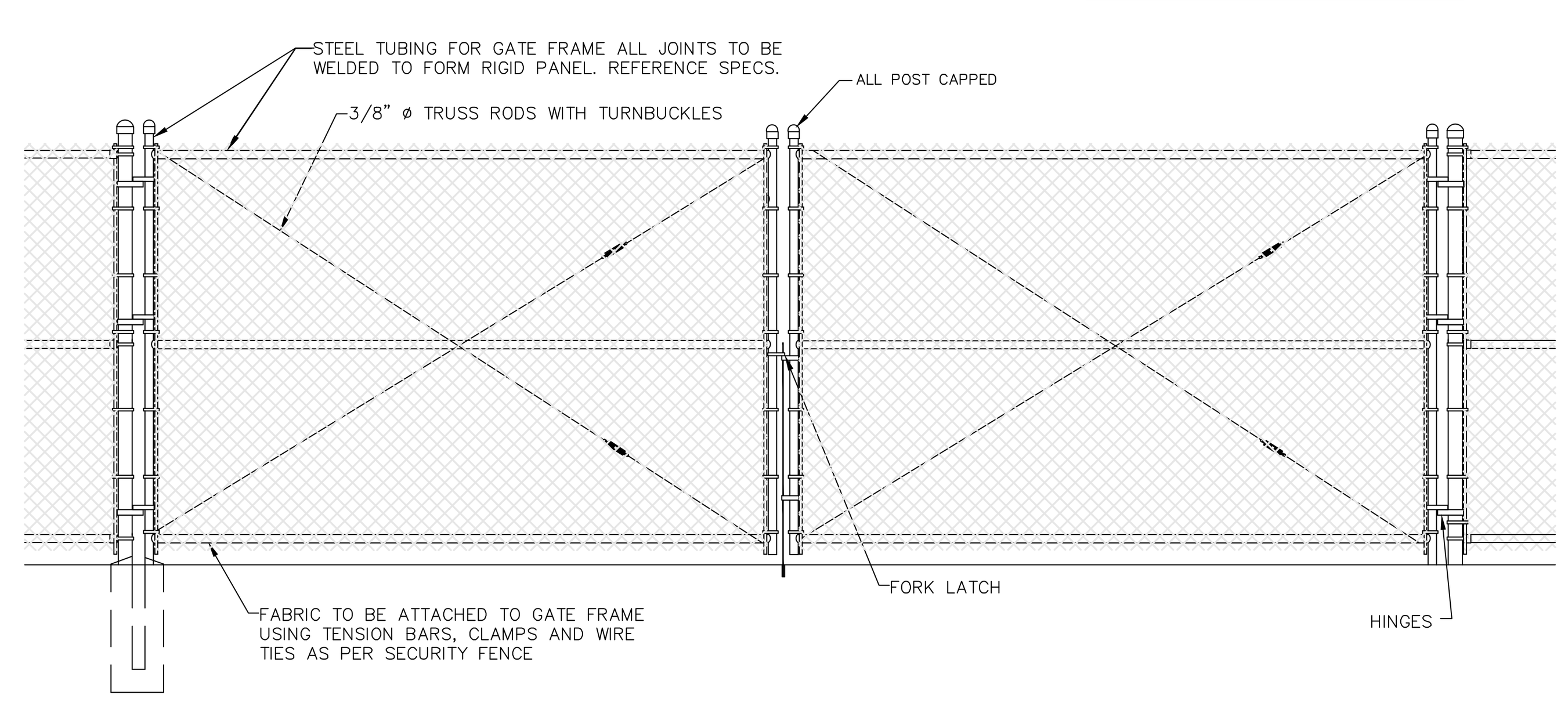
FENCE POST FOOTING SCHEDULE



NOTES:
1. **ALL FENCE MATERIALS & HARDWARE TO BE HOT DIP GALVANIZED UNLESS OTHERWISE NOTED ON FENCING PLAN. (ALUMINUM WIRE TIES ARE ACCEPTABLE)**
2. **ALL FENCE FABRIC SHALL BE INSTALLED WITH THE KNUCKLE SIDE UP.**
3. **ALL CHAIN-LINK FENCE FABRIC IS TO GALVANIZED.**



NOTE: ALL GATES SHALL OPEN 180°.



3 SCALE: NONE — ***CHAINLINK FENCE DETAILS***

REVISIONS

NO.	DATE	DESCRIPTION	BY

PROJ. # | DGN. BY: | DWN. BY: | CHKD. BY: | DATE:

Moy Tarin Ramirez Engineers, LLC
· Engineers · Surveyors · Planners
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STATE OF TEXAS
SEAN S. SMITH
113308
LICENSED PROFESSIONAL ENGINEER
10/7/2022

PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ES AND SPRING BRANCH MS

DETAILS

SHEET
C4.2

ATTACHMENT N

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:

· 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.

JELLYFISH FILTERS

Jellyfish cartridges are passively backwashed automatically after each storm event, which removed accumulated sediment from the membranes and significantly extends the service life of the cartridges and the maintenance interval. If required, the cartridges can be easily manually backwashed without removing the cartridges. Additionally, the lightweight cartridges can be removed by hand and externally rinsed, and rinsed cartridges then re-installed. These simple maintenance options allow for cartridge regeneration, thereby minimizing cartridge replacement costs and life-cycle treatment costs while ensuring long-term treatment performance. Regular inspection and maintenance are proven, cost-effective ways to maximize water resource protection for all stormwater pollution control practices, and are required to ensure proper functioning of the Jellyfish Filter. Inspection of the Jellyfish Filter is performed from the surface, while proper maintenance required a combination of procedures conducted from the surface and worker entry in the structure.

· Inspection. Post-construction inspection is required prior to putting the Jellyfish Filter into service. Routine inspections are recommended quarterly during the first year of operation to accurately assess the sediment and floatable pollutant accumulation, and to ensure that the automatic backwash feature is functioning properly.

· Cleaning. The unit must be cleaned annually. This cleaning includes removal and appropriate disposal of all water, sediment, oil and grease, and debris that has accumulated within the unit. The Jellyfish Filter is inspected and maintained by professional vacuum cleaning service providers with experience in the maintenance of underground tanks, sewers and catch basins. Since some of the maintenance procedures require manned entry into the Jellyfish structure, only professional maintenance service providers trained in confined space entry procedures should enter the vessel. Service provider companies typically have personnel who are trained and certified in confined space entry procedures according to local, state, and federal standards.

· Filter Cartridge Testing. Filter cartridges should be tested for adequate flow rate, every 12 months and cleaned and re-commissioned, or replaced if necessary. A manual backflush must be performed on a single draindown cartridge using a Jellyfish Cartridge Backflush pipe (described in the Jellyfish Filter Owner's manual). If the time required to drain 14 gallons of backflush water from the Backflush Pipe (from top of pipe to the top of the open flapper valve) exceeds 15 seconds, it is recommended to perform a manual backflush on each of the cartridges. After the manual backflush, the draindown test should be repeated on a single cartridge to determine if the cartridge can drain 14 gallons of water in 15 seconds. If the cartridge still does not achieve the design flow rate, it must be replaced. The unit should be cleaned out immediately after an oil, fuel or chemical spill.

· Filter Cartridge Cleaning. This cartridge cleaning procedure is performed by removing the cartridge from the cartridge deck and externally rinsing the filtration tentacles using a low-pressure water sprayer, as described in the Jellyfish Filter Owner's Manual. If this procedure is performed within the structure, the cartridge or individual filtration tentacles should be rinsed while safely suspended over the maintenance access wall opening in the cartridge deck, such that rinsate flows into the lower chamber of the Jellyfish Filter. If the rinsing procedure is performed outside the structure, the cartridge or individual filtration tentacles should be rinsed in a suitable basin such as a plastic barrel or tub, and rinsate subsequently poured into the maintenance access wall opening in the cartridge deck. Sediment is subsequently removed from the lower chamber by standard vacuum service.

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.

Jeffrey B. Smith
Print Name

Signature of Applicant/Owner/Agent

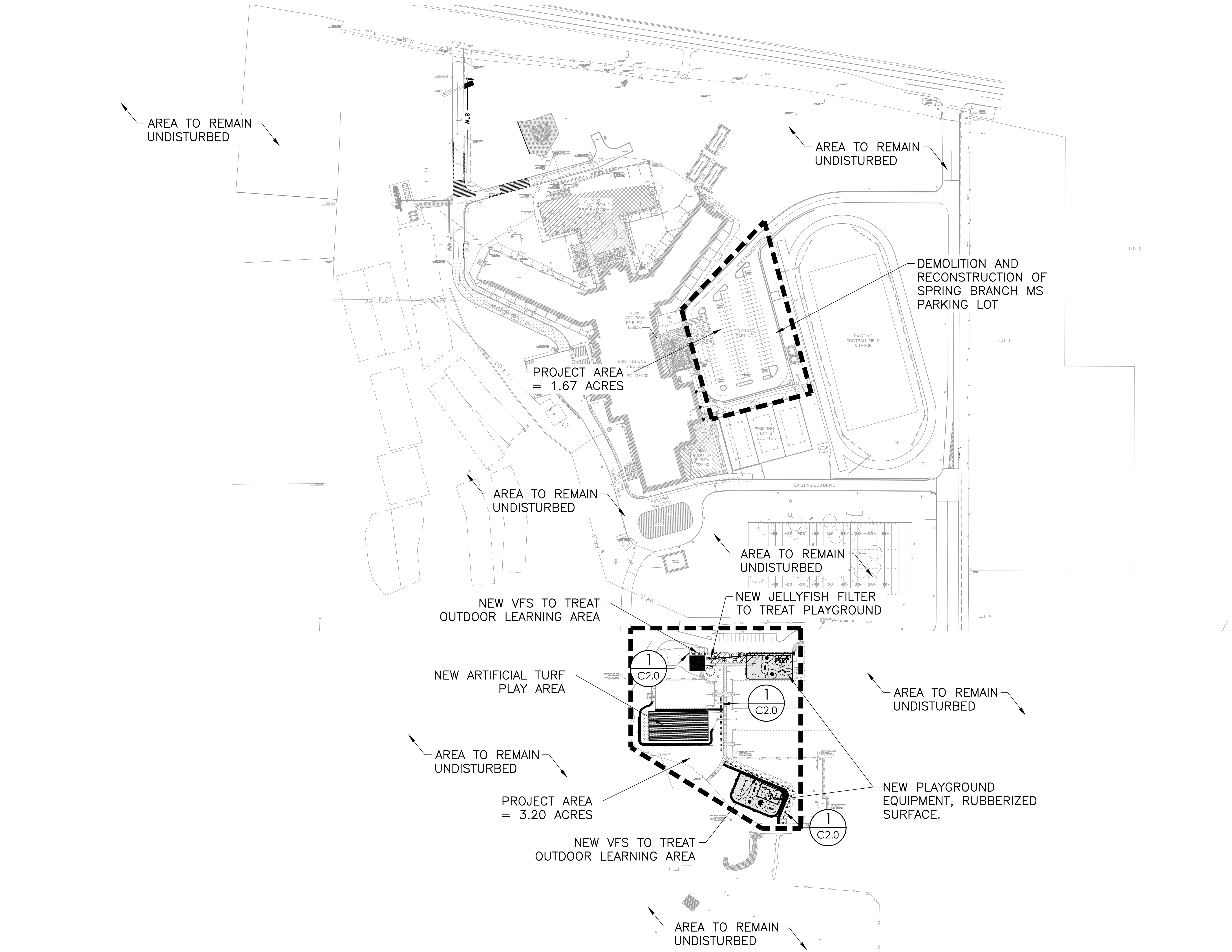
6.9-22
Date

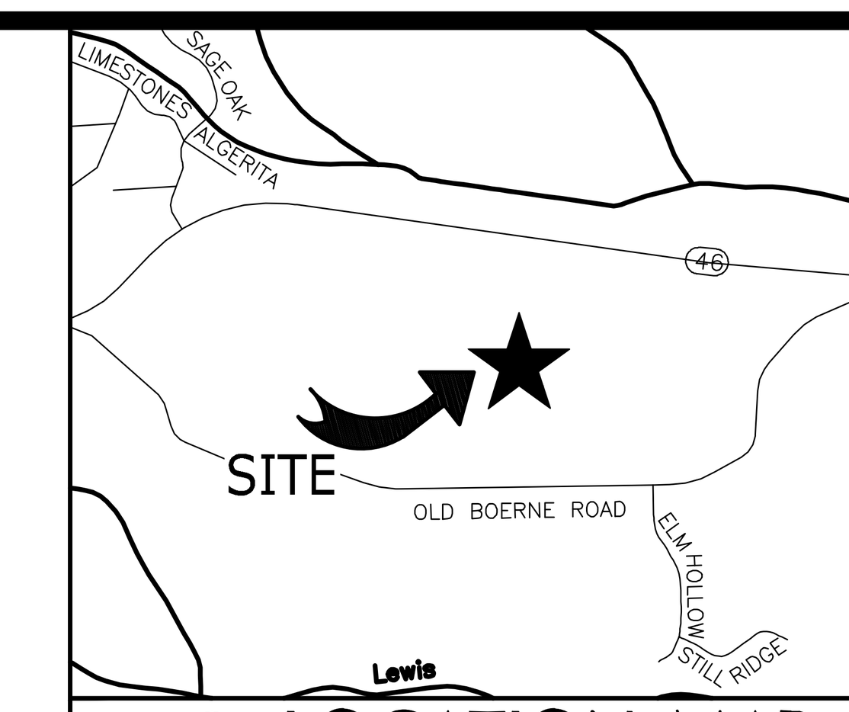
ATTACHMENT P

MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

No surface streams exist within the project site. The storm water flows discharging from the site will continue to flow as they currently do. Stormwater from the site will enter off-site surface streams in the same manner that it did prior to the improvements to the site.

Temporary BMPs, as shown on the Site Plan, will be used to minimize sediments leaving the site and flowing into surface streams during construction. There will be no adverse effects to downstream surfaces or streams as a result of completion of the proposed project.





LOCATION MAP
NOT TO SCALE

SCALE: 1"=100'
0 100 200

LEGEND

— — —	PROPERTY LINE
- - - -	EXISTING CONTOUR
▬ ▬	SILT FENCE
⬭⬭⬭	SAND/GRAVEL BAG
▭	RUBBERIZED PLAYGROUND SURFACE
▭	NEW CONCRETE SIDEWALK/FLATWORK
▭	ARTIFICIAL TURF PLAY AREA
▭	NEW ASPHALT PAVEMENT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY CONTRIBUTING ZONE PLAN GENERAL CONSTRUCTION NOTES

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY GROUND DISTURBANCE OR CONSTRUCTION ACTIVITIES. THIS NOTICE MUST INCLUDE:
   - THE NAME OF THE APPROVED PROJECT;
   - THE ACTIVITY START DATE; AND
   - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN (CZP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ON-SITE.
3. NO HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
4. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
5. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
6. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
7. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
8. ALL EXCAVATED MATERIAL THAT WILL BE STORED ON-SITE MUST HAVE PROPER E&S CONTROLS.
9. IF PORTIONS OF THE SITE WILL HAVE A CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
10. THE FOLLOWING RECORDS SHOULD 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.
11. THE HOLDER OF ANY APPROVED CZP 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 BEST MANAGEMENT PRACTICES (BMPS) OR STRUCTURE(S), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;

    B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED;

    C. ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE EDWARDS AQUIFER; OR

    D. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE APPROVED CONTRIBUTING ZONE PLAN.

Austin Regional Office	San Antonio Regional Office
12100 Park 35 Circle, Building A	14250 Judson Road
Austin, Texas 78753-1808	San Antonio, Texas 78233-4480
Phone(512) 339-2929	Phone(210) 490-3096
Fax (512) 339-3795	Fax (210) 545-4329

GENERAL NOTES:

1. PROVIDE BAGGED GRAVEL INLET FILTERS AT ALL EXPOSED DRAINAGE STRUCTURES.
2. SOIL DISTURBANCES WILL OCCUR OVER PARTS OF SITE AS INDICATED ON PLAN.
3. LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED.
4. THESE ARE THE TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES.
5. SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE ENTIRE SITE WITH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.
6. THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.

NO.	DATE	REVISIONS DESCRIPTION	BY

PROJ. # | DGN. BY: | DWN. BY: | CHKD. BY: | DATE:

Moy Tarin Ramirez Engineers, LLC
• Engineers • Surveyors • Planners
TBPELS: ENGINEERING F-5297/SURVEYING F-10131500
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
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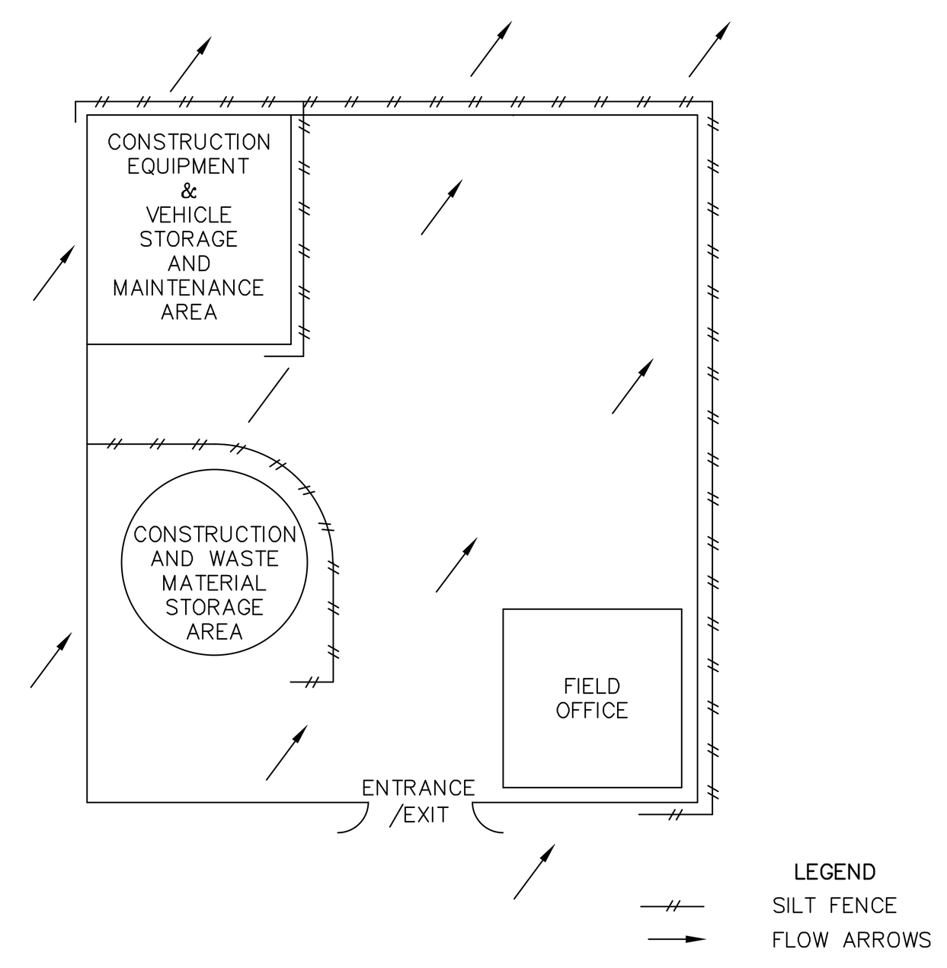
STATE OF TEXAS
SEAN S. SMITH
113308
LICENSED PROFESSIONAL ENGINEER
10/7/2022

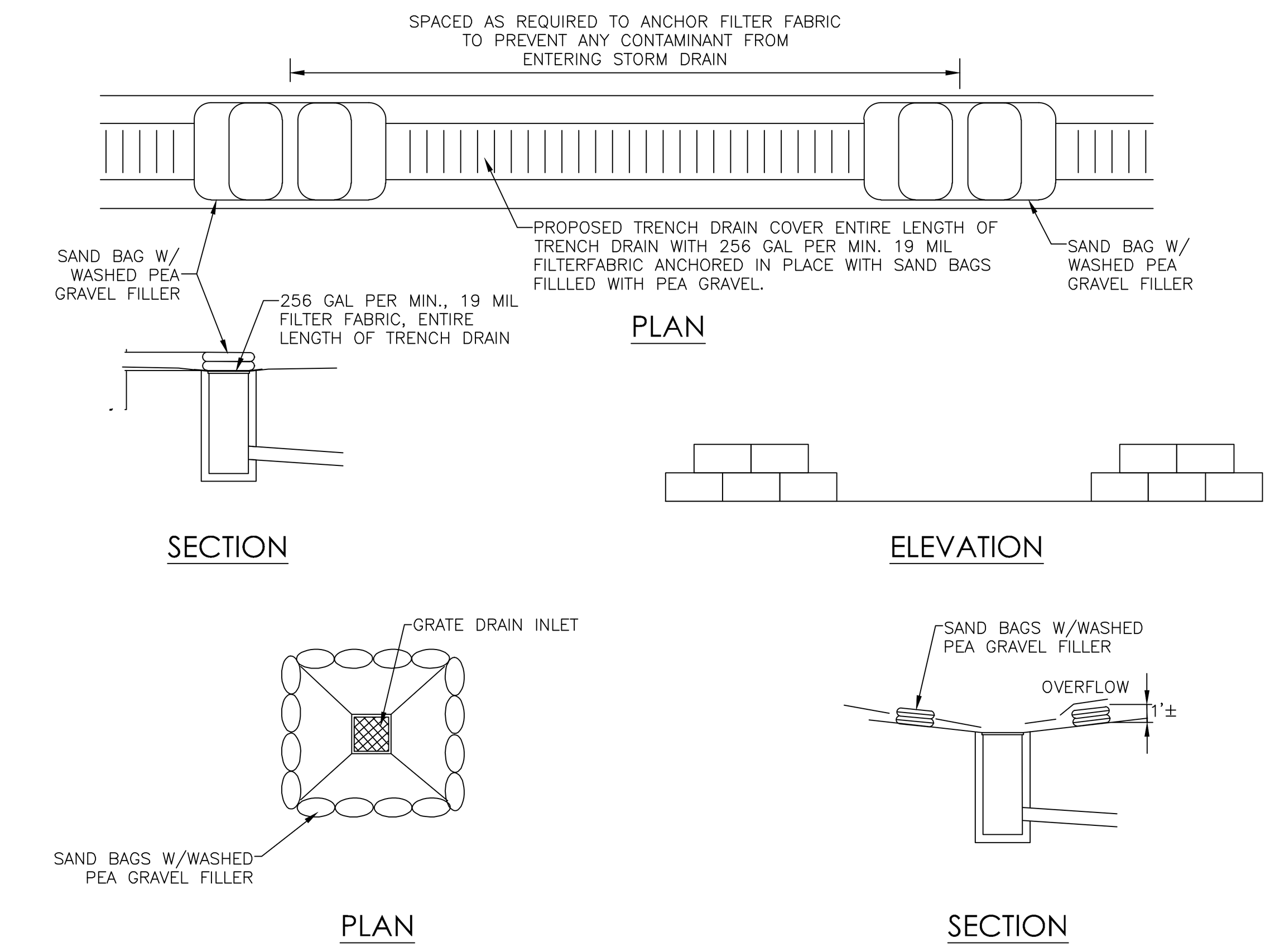
PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ES AND SPRING BRANCH MS
CONTRIBUTING ZONE PLAN / STORM WATER POLLUTION PREVENTION PLAN

SHEET
C1.0



1 CONSTRUCTION STAGING AREA

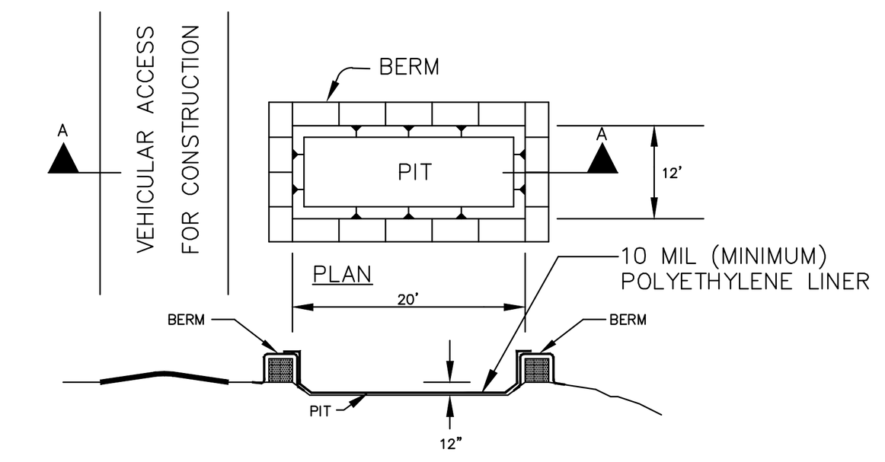
SCALE: NONE



1. THE GRAVEL BAG MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE, POLYAMIDE OR COTTON BULAP WOVEN FABRIC, MINIMUM UNIT WEIGHT 4 OZ/YD 2, MULLEN BURST STRENGTH EXCEEDING 300 PSI AND ULTRAVIOLET STABILITY EXCEEDING 70 PERCENT.
2. THE BAG LENGTH SHOULD BE 24 INCHES, WIDTH SHOULD BE 18 INCHES AND THICKNESS SHOULD BE 6 INCHES.
3. THE GRAVEL BAGS SHOULD BE FILLED WITH 3/4" GRAVEL.
4. WHEN A GRAVEL BAG IS FILED WITH GRAVEL, THE OPEN END OF THE GRAVEL BAG SHOULD BE STAPLED OR TIED WITH NYLON OR POLY CORD.
5. THE GRAVEL BAGS SHOULD BE PLACED AS SHOWN ON THE DETAIL. THE GRAVEL BAGS SHALL BE STACKED TO FORM A CONTINUOUS BARRIER AROUND THE INLETS. THE BAGS SHOULD BE TIGHTLY ABUTTED AGAINST EACH OTHER TO PREVENT RUNOFF FROM FLOWING BETWEEN THE BAGS.
6. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHOULD BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
7. CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE AND CURB.
8. 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.
9. STRUCTURE SHOULD BE REMOVED AND THE AREA STABILIZED ONLY AFTER THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

2 BAGGED GRAVEL INLET FILTER

SCALE: NONE

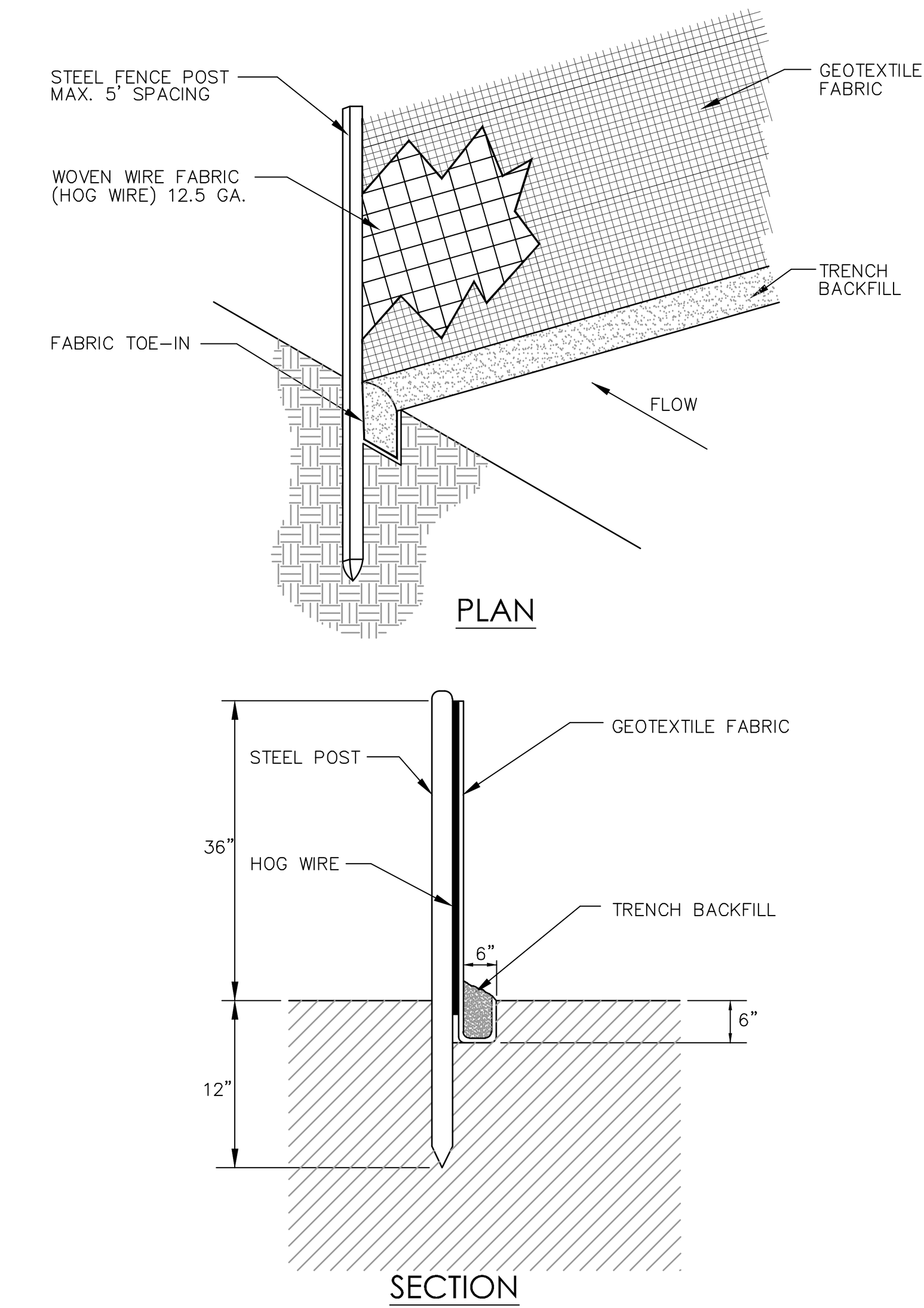


GENERAL NOTES:

- DETAIL ABOVE ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE INCREASED IN SIZE DEPENDING ON EXPECTED FREQUENCY OF USE.
- WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC.
- WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF.

3 CONCRETE TRUCK WASHOUT PIT

SCALE: NONE

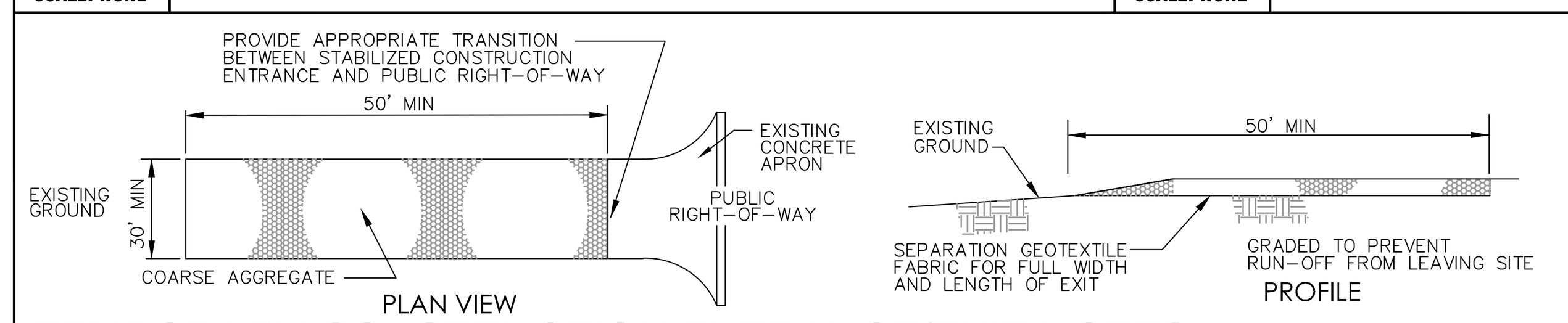


SILT FENCE NOTES

1. SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC WIDTH SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN 2 , ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NO. 30.
2. FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR Y-BAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM NOMINAL WEIGHT 1.25 LB/FT 2 , AND BRINDELL HARDNESS EXCEEDING 140.
3. WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2" X 4" WELDED WIRE, 12.5 GAUGE MINIMUM.
4. STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 1 FOOT DEEP AND SPACED NOT MORE THAN 5 FEET ON CENTER.
5. LAY OUT FENCING DOWN-SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS ¼ ACRE/100 FEET OF FENCE.
6. THE TOE OF THE SILT FENCE SHOULD BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN-SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROP), WEIGHT FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
7. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
8. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHOULD BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
9. SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
10. REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES, OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE OLD FENCE.
11. REPLACE ANY TORN FABRIC OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE TORN SECTION.
12. REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY. IF A SECTION OF FENCE IS OBSTRUCTING VEHICULAR ACCESS, CONSIDER RELOCATING IT TO A SPOT WHERE IT WILL PROVIDE EQUAL PROTECTION, BUT WILL NOT OBSTRUCT VEHICLES. A TRIANGULAR FILTER DIKE MAY BE PREFERABLE TO A SILT FENCE AT COMMON VEHICLE ACCESS POINTS.

4 SILT FENCE DETAIL

SCALE: NONE

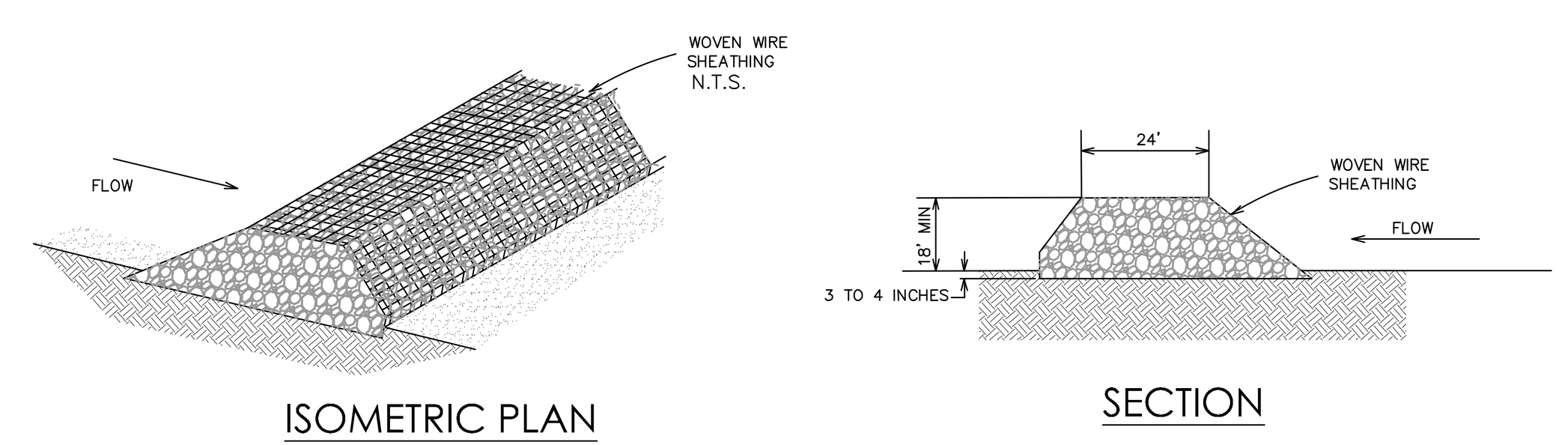


TEMPORARY CONSTRUCTION ENTRANCE/EXIT NOTES

1. THE AGGREGATE SHOULD CONSIST OF 4 TO 8 INCH WASHED STONE OVER A STABLE FOUNDATION.
2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8 INCHES.
3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIFICALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROXIMATE WEIGHT OF 6 OZ/YD 2 , A MULLEN BURST RATING OF 140 LB/IN 2 , AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.
4. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.
5. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER.
6. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.
7. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.
8. PLACE STONE TO DIMENSIONS AND GRADE SHOWN. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.
9. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
10. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON TO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.
11. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
12. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
13. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE.

5 STABILIZED CONSTRUCTION ENTRANCE / EXIT

SCALE: NONE

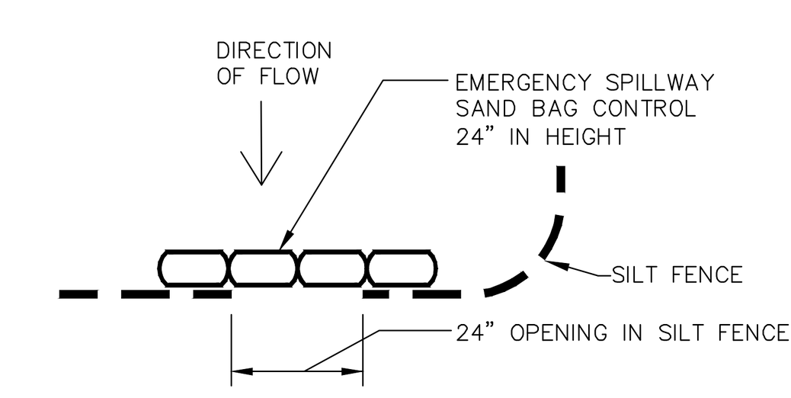


ROCK BERM NOTES

1. THE BERM STRUCTURE SHOULD BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE DIAMETER OF 20 GAUGE GALVANIZED AND SHOULD BE SECURED WITH SHOAT RINGS.
2. CLEAN, OPEN GRADED 3 TO 5-INCH DIAMETER ROCK SHOULD BE USED, EXCEPT IN AREAS WHERE HIGH VELOCITIES OR LARGE VOLUMES OF FLOW ARE EXPECTED, WHERE 5-TO 8-INCH DIAMETER ROCKS MAY BE USED.
3. LAY OUT THE WOVEN WIRE SHEATHING PERPENDICULAR TO THE FLOW LINE.
4. BERM SHOULD HAVE A TOP WIDTH OF 2 FEET MINIMUM WITH SIDE SLOPES BEING 2:1 (H:V) OR FLATTER.
5. PLACE THE ROCK ALONG THE SHEATHING TO A HEIGHT NOT LESS THAN 18".
6. WRAP THE WIRE SHEATHING AROUND THE ROCK AND SECURE WITH TIE WIRE SO THAT THE ENDS OF THE SHEATHING OVERLAP AT LEAST 2 INCHES, AND THE BERM RETAINS ITS SHAPE WHEN WALKED UPON.
7. BERM SHOULD BE BUILT ALONG THE CONTOUR AT ZERO PERCENT GRADE OR AS NEAR AS POSSIBLE.
8. THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.
9. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STREAMBEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION.
10. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT OF IN AN APPROVED MANNER AND REPAIR ANY LOOSE WIRE SHEATHING.
11. THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
12. THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.

6 ROCK BERM

SCALE: NONE



7 PLAN - SAND BAG CONTROL DETAIL

SCALE: NONE

REVISIONS

NO.	DATE	DESCRIPTION	BY

PROJ. # | DGN. BY: | DWN. BY: | CHKD. BY: | DATE:

Moy Tarin Ramirez Engineers, LLC
· Engineers · Surveyors · Planners
TBPELS: ENGINEERING F-5297/SURVEYING F-10131500
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
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STATE OF TEXAS
SEAN S. SMITH
113308
LICENSED PROFESSIONAL ENGINEER
10/7/2022

PLAYGROUND UPGRADES - PACKAGE C
ARLON SEAY ES AND SPRING BRANCH MS
CONTRIBUTING ZONE PLAN / STORM WATER POLLUTION PREVENTION PLAN DETAILS

SHEET
C2.0

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: 10/7/2022

Signature of Customer/Agent:

Regulated Entity Name: CISD ARLON SEAY 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: Headwaters Cibolo Creek

Temporary Best Management Practices (TBMPs)

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

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

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

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

☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.

☒ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

8. ☒ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.

☐ **Attachment E - Request to Temporarily Seal a Feature**. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.

☒ There will be no temporary sealing of naturally-occurring sensitive features on the site.

9. ☒ **Attachment F - Structural Practices**. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.

10. ☒ **Attachment G - Drainage Area Map**. A drainage area map supporting the following requirements is attached:

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.

☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

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

11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations**. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.

☒ N/A

12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.

13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.

14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).

15. ☒ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.

16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

18. ☒ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

19. ☒ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. ☒ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.

21. ☒ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

22. ☒ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

ATTACHMENT A
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.

Cleanup

(1) Clean up leaks and spills immediately

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

(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. 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 CZP Site Plan. Silt fence will be placed downstream of construction. (0.04 acres disturbed)

B. Demolition and grading. (2.08 acres disturbed)

C. Seeding and soil stabilization. (0.15 acres disturbed)

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:

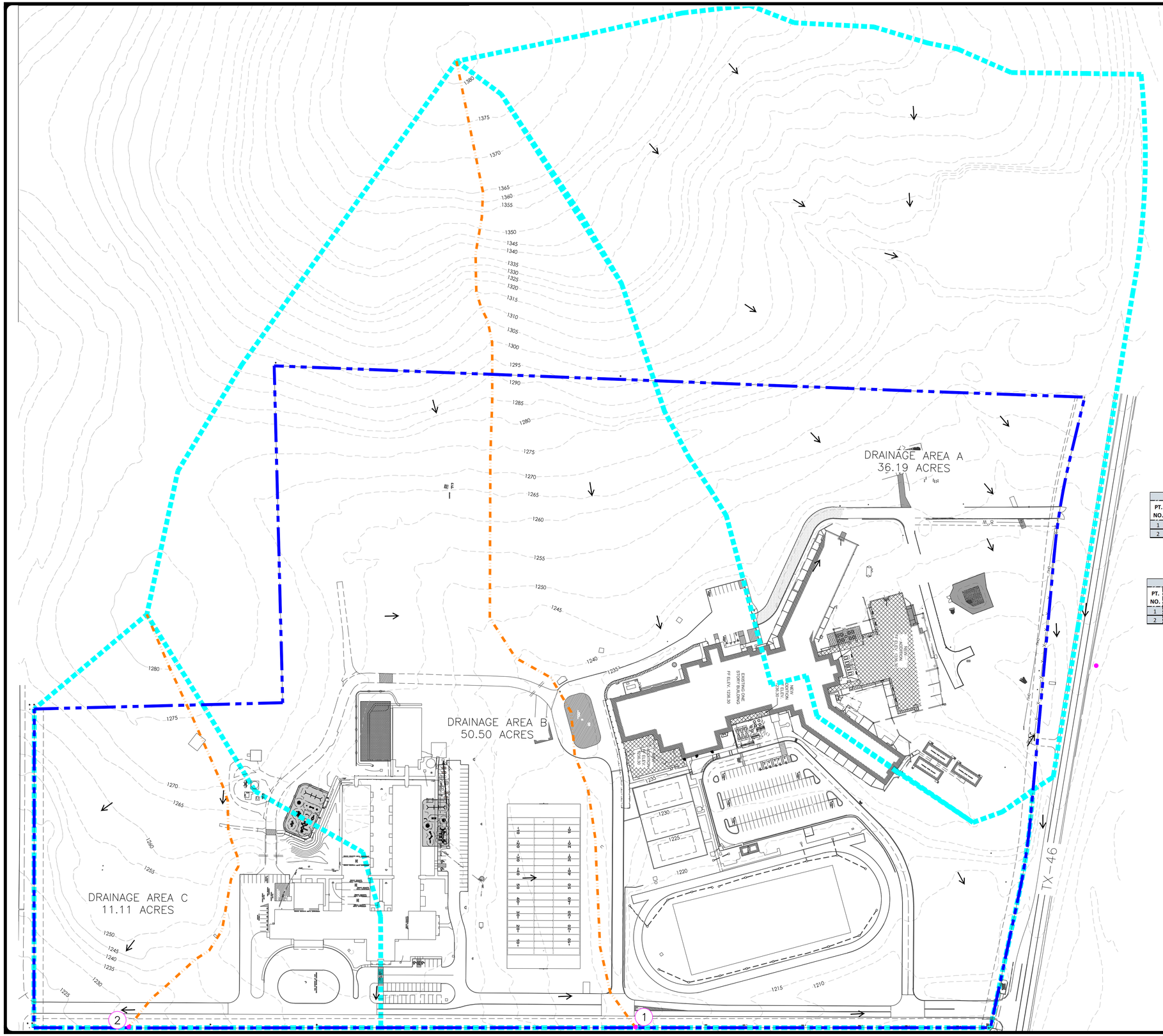
The storm water originating onsite and flowing off the site will be treated using temporary BMPs prior to it entering surface streams, sensitive features and the aquifer. Silt fences will be installed at all locations where non-concentrated storm water may leave the site. These silt fences should filter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



SCALE: 1"=100'

100 50 0 100

LEGEND

- SITE BOUNDARY
- OVERALL WATERSHED BOUNDARY
- 1% ANNUAL CHANCE FLOODPLAIN
- TIME OF CONCENTRATION
- 1390 EXISTING CONTOURS
- 1 CALCULATION POINT
- FLOW ARROWS

EXISTING DRAINAGE CALCULATIONS

EXISTING CONDITIONS Q CALCULATION										
PT. NO.	AREA OF ACCUMULATION	TOTAL ACRES	C-VALUE	Tc (min)	I5 (in/hr)	I25 (in/hr)	I100 (in/hr)	Q5 (cfs)	Q25 (cfs)	Q100 (cfs)
1	B	50.50	0.62	16.25	5.10	7.13	9.03	160.90	224.76	284.65
2	C	11.11	0.63	14.50	5.42	7.59	9.62	37.77	52.91	67.10

PROPOSED DRAINAGE CALCULATIONS

PROPOSED/ULTIMATE CONDITIONS Q CALCULATION										
PT. NO.	AREA OF ACCUMULATION	TOTAL ACRES	C-VALUE	Tc (min)	I5 (in/hr)	I25 (in/hr)	I100 (in/hr)	Q5 (cfs)	Q25 (cfs)	Q100 (cfs)
1	B	50.50	0.63	16.25	5.10	7.13	9.03	161.56	225.69	285.83
2	C	11.11	0.63	14.50	5.42	7.59	9.62	37.97	53.18	67.45

REVISIONS

NO.	DATE	DESCRIPTION	BY:	PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:

Engineers
Surveyors
Planners

MTR

Moy Tarin Ramirez Engineers, LLC
FIRM TBPE NO. F-5297 & TBPLS NO. F-10131500
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

ARLON SEAY ES AND SPRING BRANCH MS

ATTACHMENT G
DRAINAGE AREA MAP

EXHIBIT

G

R:\COMAL ISD\ARLON SEAY ES\2022 CZP\DRAWINGS\ATTACHMENT G DRAINAGE AREA MAP.DWG

ATTACHMENT I
INSPECTION AND MAINTENANCE FOR BMPS

Silt Fence

1. Inspect all fencing weekly, 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.

CISD ARLON SEAY ES AND SPRING BRANCH MS

Responsible Party Form

Pollution Prevention Measure		Inspected	Corrective Action	
			Description	Date Completed
Silt Fence	Inspections			
	Fencing			
	Sediment Removal			
	Torn Fabric			
	Crushed/Collapsed Fencing			
Bagged Gravel Inlet Filters	Inspections			
	Replaced/Reshaped			
	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.

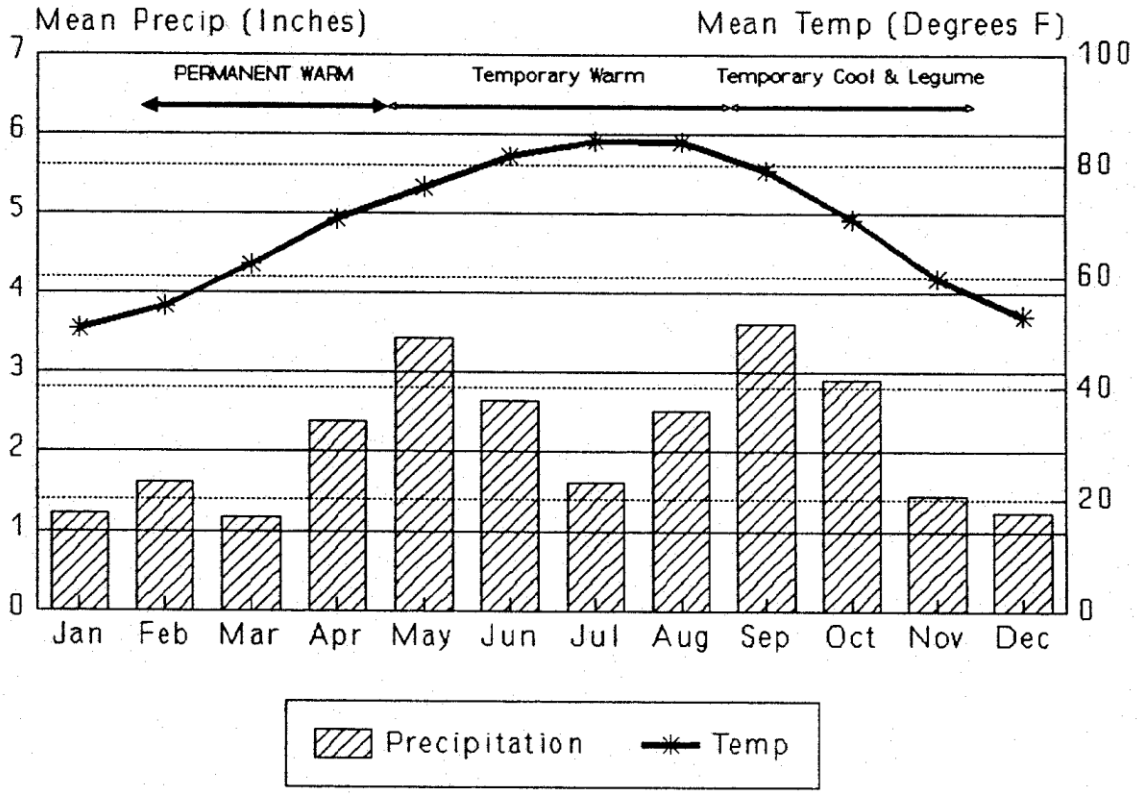


Figure 1-19 Planting Dates for Bexar, Comal, Kinney, Medina, and Uvalde Counties (Northcutt, 1993)

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

Dates	**Climate**	**Species (lb/ac)**	
Sept 1 to Nov 30	Temporary Cool Season	Tall Fescue	4.0
		Oats	21.0
		Wheat (Red, Winter)	30.0
		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 ½" 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 Project	Irrigate entire root depth once every two weeks, or as necessary to ensure vigorous growth

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.

A5E5

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

I Alex Araujo,
Print Name

Executive Director Construction & Planning,
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.

SIGNATURE PAGE:

Applicant's Signature

3/31/22
Date

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Alex Araujo 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 31st day of March, 2022.

ASHLEY MARIE NAJVAR
Notary Public, State of Texas
My Commission Expires
August 20, 2025
NOTARY ID 13328207-1

Ashley Najvar
NOTARY PUBLIC

Ashley Najvar
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 08/20/2025

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: CISD ARLON SEAY ES AND SPRING BRANCH MS
Regulated Entity Location: 20911 TX-46 and 1053 TX-46, Spring Branch, TX 7807
Name of Customer: Comal ISD
Contact Person: Alejandro Araujo Phone: (830) 221-2150
Customer Reference Number (if issued):CN 600249825
Regulated Entity Reference Number (if issued):RN 103770699

Austin Regional Office (3373)

☐ Hays ☐ Travis ☐ Williamson

San Antonio Regional Office (3362)

☐ Bexar ☐ Medina ☐ Uvalde
☒ Comal ☐ Kinney

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

☐ Austin Regional Office
☐ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☒ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☐ Recharge Zone ☒ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	62.590 Acres	$ 8,000
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Signature: _____ Date: 10/7/2022

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 600249825		RN 105230361

SECTION II: Customer Information

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

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name (*If an individual, print last name first: eg: Doe, John*) *If new Customer, enter previous Customer below:*

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (*if applicable*)

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☐ **Yes** ☐ **No**

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

☐ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address:

City		State		ZIP		ZIP + 4	

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

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

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 Information

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

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

CISD ARLON SEAY ES AND SPRING BRANCH MS

23. Street Address of the Regulated Entity: *(No PO Boxes)*	20911 State Highway 46 W							
	City	SpringBranch	**State**	TX	**ZIP**	78070	**ZIP + 4**	
24. County	Bexar							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	S SIDE OF HWY 46 W OF HWY 281				
26. Nearest City			**State**	**Nearest ZIP Code**	
Spring Branch			TX	78070	
27. Latitude (N) In Decimal:	29.795267	**28. Longitude (W) In Decimal:**	98.433953		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	47	42.96	98	26	2.23

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
8211		611110	

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

Elementary School/Middle School

34. Mailing Address:	**20911 TX-46**							
	City	**Spring Branch**	**State**	**TX**	**ZIP**	**78070**	**ZIP + 4**	

35. E-Mail Address:	**alejandro.araujo@comalisd.org**	
36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(830) 221-2150		**( ) -**

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

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ 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	**Job Title:**	Senior Vice President
Name *(In Print):*	Sean Smith, P.E.	**Phone:**	(210) 698- **5051**
Signature:		**Date:**	

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2007

Mr. Thomas Bloxham
Comal Independent School District
1404 IH-35 N
New Braunfels, Texas 78130

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: CISD Arlon Seay Elementary School; Located on Highway 46, west of Highway 281; Comal County, Texas
TYPE OF PLAN: Request for Modification of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
Edwards Aquifer Protection Program ID No. 2663.01; Investigation No. 593748; Regulated Entity No. RN105230361

Dear Mr. Bloxham:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for modification of the approved CZP 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 31, 2007. Final review of the WPAP was completed after additional material was received on October 24, 2007 and November 9, 2007. 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 23 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.*

BACKGROUND

The 20.29 acre site was originally approved on August 3, 2007 to remodel an existing elementary school. ~~The existing impervious cover before the approval was 4.98 acres and the approved CZP added 0.49 acres~~ (5.47 acres total). Six engineered filter strips were approved to treat the increase in total suspended solids from the site. This proposed modification will add additional parking to the site, modify previously approved filter strips and add additional filter strips.

PROJECT DESCRIPTION

The proposed commercial (elementary school) project will have an area of approximately 20.29 acres. It will include the addition of parking spaces and construction of vegetative filter strips and a water quality basin at the project site. There is 5.47 acres of existing impervious cover. This project will add 0.65

acres of impervious cover. The final impervious cover for the proposed site will be 6.12 acres (30.2%). According to a letter dated, March 7, 2007 (Permit No. WQ0013812002), signed by the TCEQ, 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 sedimentation filtration basin and vegetative (engineered) filter strips, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) will be constructed to treat stormwater runoff. For simplicity and since previously approved filter strips will be modified by this approval, the TSS calculations and basin sizing requirements will be based upon the increase of impervious cover from the original 4.98 acres. The required total suspended solids (TSS) treatment for this project is 1,023.3 pounds of TSS generated from the 1.14 acres of regulated impervious cover (0.49 acres from original approval and 0.65 acres from this approval). 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 0.32 acres of impervious cover from a watershed of 0.32 acres and 287.2 pounds of TSS. The total capture volume for the basin is 2,646 cubic feet (2,091 cubic feet required) and a sand filter area of 420 square feet (209 square feet required.

Five new engineered filter strips (V.S. 7, V.S. 8, V.S. 9, V.S. 10 and V.S. 11) will be constructed to treat 230.1 pounds of TSS from 0.2563 acres of impervious cover. Three previously approved filter strips (V.S. 1, V.S. 2 and V.S. 6) will be modified and treat 247.2 pounds of TSS from 0.2800 acres of impervious cover. Three previously approved filter strips (V.S. 3, V.S. 4 and V.S 5) will remain unchanged and treat 336.7 pounds of TSS from 0.3751 acres of impervious cover. The filter strips will extend along the entire length of the contributing area with a minimum width of 15 feet, a slope of 20 percent or less and a minimum vegetated cover of 80 percent.

Engineered Filter Strips at Arlon Seay Elementary School				
	Status	Aug. 3, 2007 Approved Contributing Area (ac)	New Proposed Contributing Area (ac)	New Proposed TSS Removal (lb/year)
V.S. 1	Modified	0.0272	0.1264	113.42
V.S. 2	Modified	0.0370	0.0556	49.89
V.S. 3	Unchanged	0.0205	0.0205	18.44
V.S. 4	Unchanged	0.0292	0.0292	26.17
V.S. 6	Unchanged	0.3254	0.3254	292.11
V.S. 6	Modified	0.0653	0.0934	83.85
V.S. 7	New	—	0.0352	31.61
V.S. 8	New	—	0.0291	26.15
V.S. 9	New	---	0.0618	55.47
V.S. 10	New	---	0.0277	24.89
V.S. 11	New	---	0.1025	91.96
	Total	0.5046	0.9068	813.96

SPECIAL CONDITIONS

I. The holder of the approved Edwards Aquifer CZP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.

II. 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 format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.

III. This modification is subject to all Special and Standard Conditions listed in the CZP approval letter dated August 3, 2007.

IV. Permanent pollution abatement measures shall be operational prior to use of the parking lots within the catchment area of the abatement measure.

V. 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.

VI. 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.

VII. 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.

VIII. Velocity controls may be required for stormwater entering the water quality basin if it becomes evident that the resuspension of solids in the water column is occurring.

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.

Prior to Commencement of Construction:

2. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.

3. Any modification to the activities described in the referenced CZP 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.

4. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

During Construction:

6. 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.

7. 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 significantly reduced. 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).

8. 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.

9. 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:

10. 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.

11. ~~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.

12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.

13. A Contributing Zone 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 Contributing Zone 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.

14. 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 Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/eg

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

cc: Mr. Duane Moy, P.E., Moy Civil Engineers
Mr. Tom Hornseth, Comal County
Ms. Velma Danielson, Edwards Aquifer Authority
TCEQ Central Records, Building F, MC 212

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 31, 2007

Mr. Thomas H. Hornseth, P.E.
Comal County Engineer
195 David Jonas Drive
New Braunfels TX 78132-3710

Re: Edwards Aquifer, Comal County
PROJECT NAME: PROJECT NAME: CISD Arlon Seay Elementary School: Located at 20911 State Hwy 46 West, Spring Branch, Texas
PLAN TYPE: PLAN TYPE: Application for Approval of a Contributing Zone Water Pollution Abatement Plan Modification (CZPMOD) request, 30 Texas Administration Code (TAC) Chapter 213; Edwards Aquifer Protection Program
San Antonio Region File Number: 2663.01

Dear Mr. Hornseth:

The enclosed WPAP application is being forwarded to you pursuant to the Edwards Aquifer Rules. The Texas Commission on Environmental Quality (TCEQ) is required by 30 TAC Chapter 213 to provide copies of all applications to affected incorporated cities and underground water conservation districts for their comments prior to TCEQ approval.

Please forward your comments to this office by September 30, 2007.

The Texas Commission on Environmental Quality appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact the San Antonio Region Office at (210) 490-3096.

Sincerely

Lynn M. Bumguardner
Water Section Work Leader
San Antonio Regional Office

LMB/eg

Modification of a Previously Approved Contributing Zone Plan
for Regulated Activities
on the Edwards Aquifer Contributing Zone
and Relating to 30 TAC §213.23(i), Effective June 1, 1999

Regulated Entity Name: Arlon Seay Elementary School

Original Regulated Entity Name: Arlon Seay Elementary School

County: Comal Stream Basin: Lewis Creek

1. Customer (Applicant):

Contact Person: Thomas Bloxham
Entity: Comal Independent School District
Mailing Address: 1404 I-25 N
City, State: New Braunfels, TX Zip: 78130
Telephone: 830-221-2184 FAX: 830-221-2009

Agent/Representative (If any):

Contact Person: Duane A. Moy, P.E.
Entity: Moy Civil Engineers
Mailing Address: 12770 Cimarron Path, Suite 100
City, State: San Antonio, TX Zip: 78249
Telephone: 210-698-5051 FAX: 210-698-5085

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

3. X The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.
Along Hwy 46, west of Hwy 281, enter drive to Spring Branch Middle School and Arlon Seay is located behind Spring Branch Middle School.

4. X **ATTACHMENT A - Road Map.** A road map showing directions to the project site is found as at the end of this form.

5. X **ATTACHMENT B - Quadrangle Map.** A copy of the a USGS Quadrangle Map (Scale: 1" = 2000') is found as at the end of this form. The map(s) should clearly show:
X Project site boundaries.
X USGS Quadrangle Name(s).

6. X **ATTACHMENT C - Project Description.** A detailed narrative description of the proposed project is provided at the end of this form.

7. X **ATTACHMENT D - Original Approval Letter.** A copy of the original approval letter and copies of any letters approving modifications are found at the end of this form.

8. 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)
X Other: Existing school site, under construction in accordance with previously approved plans.

9. A modification of a previously approved plan is requested for: (INDICATE ALL THAT APPLY)

__ any physical or operational modification of any best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures.
X any change in the nature or character of the regulated activity from that which was originally approved.
__ a change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water.
X any development of land previously identified in a contributing zone plan as undeveloped.

10. X **ATTACHMENT E - Description of Modification.** A narrative description of the nature of each proposed modification is found at the end of this form. All items proposed for modification have been identified in the description.

11. Original Project:

Size:	20.29	acres
Hydrocarbon Storage:	0	# of tanks (if applicable)
Impervious Cover:	5.47 acres	27.0 %

12. Proposed Modification:

Size:	20.29	acres
Hydrocarbon Storage:	0	# of tanks (if applicable)
Impervious Cover:	5.75 acres	28.3 %

13. X **ATTACHMENT F - Site Plan.** A Site Plan showing the existing conditions of the site, the location of proposed modification(s), and, as applicable, temporary BMPs for erosion and sedimentation control, and permanent BMPs is provided at the end of this form.

14. X One (1) original and three (3) copies of a complete application has been provided.

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 **MODIFICATION OF A PREVIOUSLY APPROVED CONTRIBUTING ZONE PLAN** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

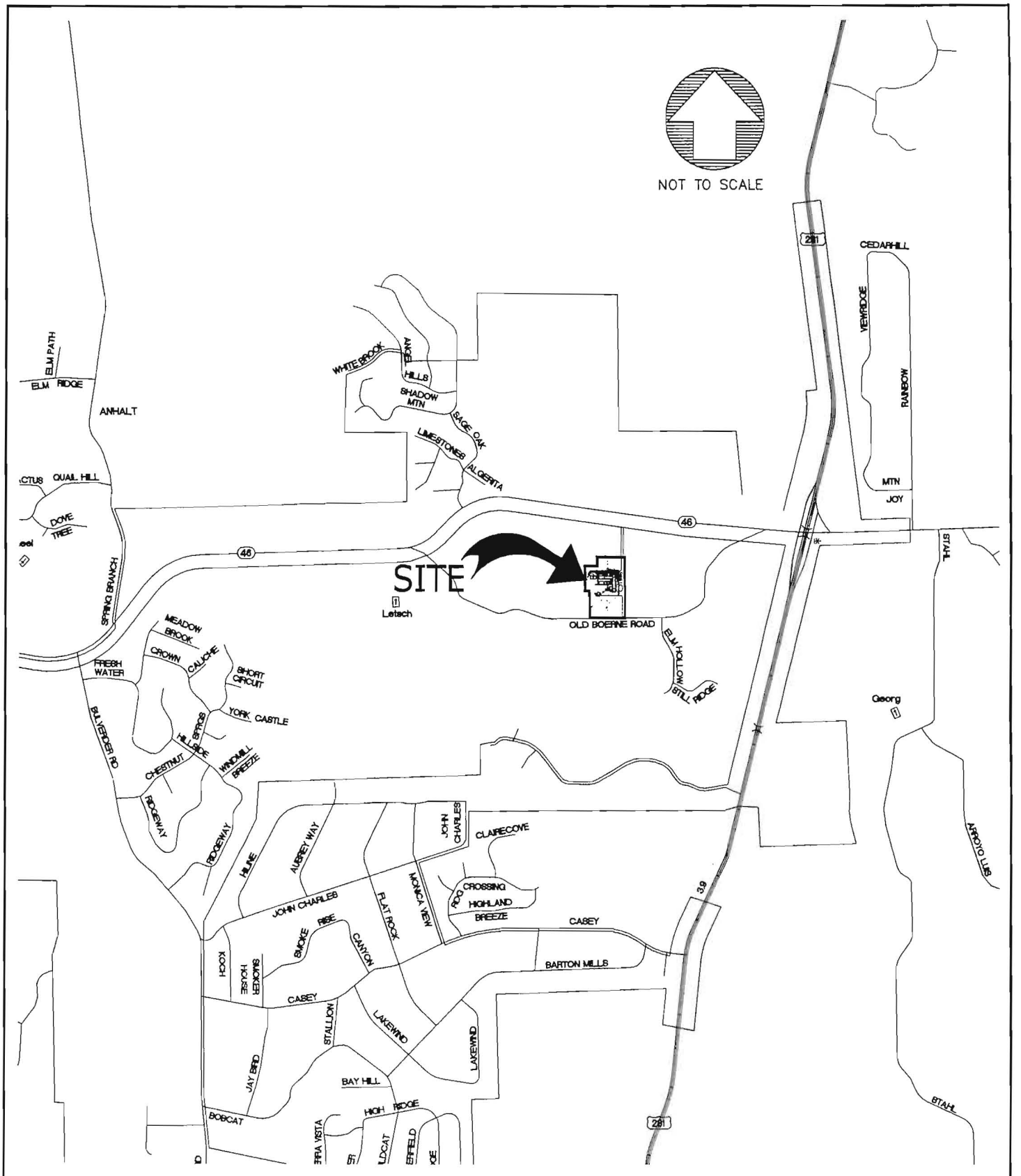
Duane A. Moy, P.E.
Print Name of Customer/Agent

Duane A Moy. PE.
Signature of Customer/Agent

August 31, 2007
Date

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.



ARLON SEAY ELEMENTARY SCHOOL

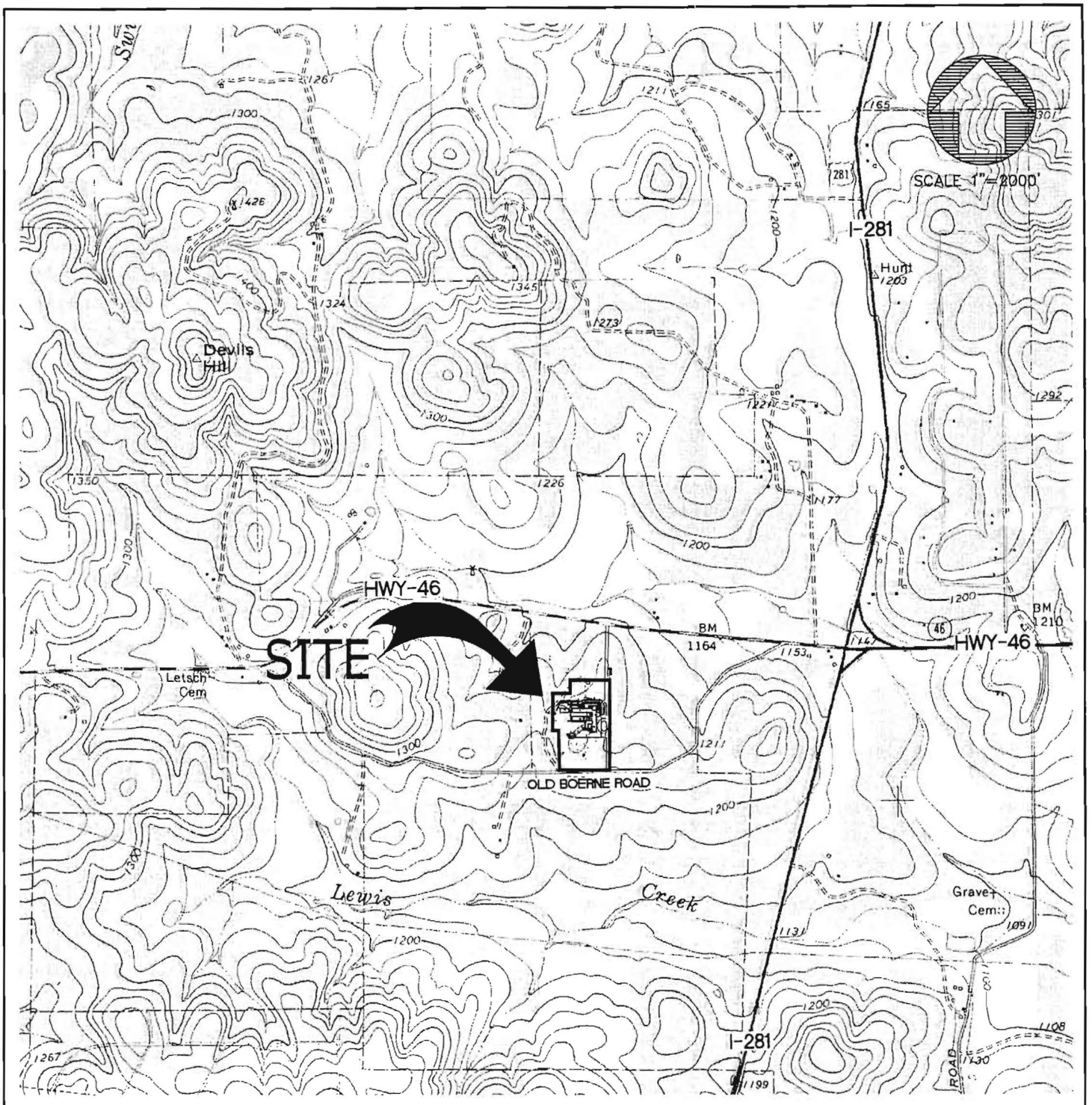
ATTACHMENT A
SITE LOCATION

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

R:\Arlon Seay School\awas\Exhibits\location map.dwg

DATE: 8/28/07

PROJ. #: 070181



ARLON SEAY SCHOOL

ATTACHMENT B

(SOURCE: USGS "Anhalt" quadrangle)

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 696-5051
FAX: (210) 696-5085

R:\Arlon Seay School\dwgs\Exhibits\usgs map.dwg

DATE: 8/28/07

PROJ. #: 07081

ATTACHMENT C
PROJECT DESCRIPTION

The proposed project consists of renovations and improvements to an existing school known as the Arlon Seay Elementary School. The school is located at 20911 State Highway 46 W, Spring Branch, TX 78070 and is part of the Comal Independent School District. The school site is located along Hwy 46, west of the intersection with Hwy 281, and adjacent to and south of Spring Branch Middle School.

The project site is 20.29 acres and is located entirely within the Contributing Zone of the Edwards Aquifer. The project will consist of a building addition of approximately 12,000 sq. ft, and associated paving, sidewalk and grading construction.

The existing impervious cover on-site is 5.36 acres. With the proposed modification, after the improvements are made, the impervious cover on-site will be 5.75 acres. Total increase in impervious cover is 0.39 acres.

Per the Technical Guidance Manual, *"Under 30TAC Chapter 213, 80% of the increase in TSS load resulting from development* (over background) *must be removed."* Vegetative filter strips are proposed as permanent BMPs to treat the increase in TSS load from stormwater runoff originating on-site. The treated stormwater will continue to sheetflow as it currently does.

ATTACHMENT E
DESCRIPTION OF MODIFICATION

Background

A Contributing Zone Plan approval was obtained August 3, 2007. The previous application described an existing impervious cover on-site of 4.98 acres. After the approved improvements are made, the impervious cover on-site will be 5.47 acres. Total increase in impervious cover is 0.49 acres.

Vegetative filter strips were proposed as permanent BMPs to treat this increase in TSS load.

Modification

Additional impervious cover is proposed in order to meet the immediate needs of the school facility for parking and drives for teacher, staff and parent parking.

Areas of the additional parking as proposed as part of this modification are denoted on the attached Contributing Zone Site Plan. Vegetative filter strips are proposed as permanent BMP's to treat these areas.

In accordance with previous consultation with John Mauser from your office, TCEQ considers compacted base to be impervious cover due to its impermeability and self-generating sediment laden runoff. A compacted base area currently exists along the east side of the drive to Arlon Seay Elementary School. The "Existing/Proposed Impervious Cover Plan" has therefore been updated to include this area as impervious cover. With the modification, much of this existing compacted base area will be asphalted in order to stabilize the area and provide parking as needed. The remainder of this area will be stabilized by seeding/sodding to remove the potential of sediment laden runoff from this area.

The attached table shows the overall increase in impervious cover and the contributing areas to vegetative strips. The vegetative filter strips are proposed as permanent BMPs to treat the increase in TSS load from stormwater runoff originating on-site. The treated stormwater will continue to sheetflow as it currently does.

Arlon Seay Elementary School
CZP Modification

Calculation of Added Impervious Cover.

Overall Post Improvement Impervious Cover:	5.75 acres
Overall Existing Impervious Cover:	5.36 acres
Added Impervious Cover:	0.39 acres

Determination of Required Load Removal.

Page 3-29 Required TSS removal (pounds)

Equation 3.3: $L_M = 27.2(A_N \times P)$

L_M = Required TSS removal (pounds)

A_N = Net increase in impervious area for site (acres) = 0.39 acre

P = Average annual precipitation (inches) = 33 inches Comal

$L_{M\ total}$ = 350.1 pounds TOTAL REQUIRED LOAD REMOVAL

Load Removed by Vegetative Strips as BMPs.

Contributing Areas	Sq. Ft.		
VS-1	5,504		
VS-2	2,421		
VS-3	895		
VS-4	1,270		
VS-5	14,176		
VS-6	4,069		
VS-7	1,534		
VS-8	1,269		
VS-9	1,792		
VS-10	1,208		
VS-11	4,463		
	38,600	s.f. =	0.89 acres

Since the contributing areas remove 80% of the TSS load, the formula: L= 27.2 (A x P) can be used to calculated the expected load to be removed.

Load Removal: L = 798.9 pounds

Arlon Seay Elementary School
CZP Modification

Existing Impervious Cover: Addition of Compacted Base

Existing Impervious Cover (Original Application)	4.98 acres
Existing Impervious Cover (Addition of Compacted Base Area)	0.38 acres
Actual Overall Existing Impervious Cover:	5.36 acres

Proposed Impervious Cover: With Additional Impervious Cover For New Parking

Proposed Impervious Cover (Original Application)	5.47 acres
Proposed Impervios Cover (Additional Impervious Cover for New Parking)	0.28 acres
Actual Overall Impervious Cover:	5.75 acres

Modification to Previously Approved CZP

Added Impervious Cover #1	454.4		
Added Impervious Cover #2	851.4		
Added Impervious Cover #3	6566		
Added Impervious Cover #4	5660		
Added Impervious Cover #5	987		
Added Impervious Cover #6	673		
Added Impervious Cover #7	503.5		
Added Impervious Cover #8	1388		
Impervious Cover Removed #9	-1710		
Impervious Cover Removed #10	-1940		
Impervious Cover Removed #11	-1288		
	12145.3	s.f. =	0.28 acres

Arlon Seay Elementary – **Existing Compacted Base Area In Front of School, Looking South**

Arlon Seay Elementary School – **Existing Compacted Base Area in front of School, Looking North**

Arlon Seay Elementary School – Erosion on Existing Compacted Base Area in Front of School

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
EDWARDS AQUIFER PROTECTION PROGRAM
CONTRIBUTING ZONE FEE APPLICATION FORM

NAME OF PROPOSED PROJECT: **Arlon Seay Elementary School**

PROJECT LOCATION: **20911 State Highway 46W, Spring Branch TX 78070, Comal County**

NAME OF APPLICANT: **Comal Independent School District**

APPLICANT'S ADDRESS: **1404 I-35 N., New Braunfels, Texas 78130**

CONTACT PERSON: **Thomas Bloxham** PHONE: **(830) 221-2184**
Please Print

AUSTIN REGIONAL OFFICE (3373)
☐ Hays
☐ Travis
☐ Williamson

SAN ANTONIO REGIONAL OFFICE (3362)
☐ Bexar
☒ Comal
☐ Kinney
☐ Medina
☐ Uvalde

APPLICATION FEES MUST BE PAID BY CHECK, CERTIFIED CHECK, OR MONEY ORDER, PAYABLE TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY. YOUR CANCELED CHECK WILL SERVE AS YOUR RECEIPT. **THIS FORM MUST BE SUBMITTED WITH YOUR FEE PAYMENT. THIS PAYMENT IS BEING SUBMITTED TO (CHECK ONE):**

☒ **SAN ANTONIO REGIONAL OFFICE**

☐ **Mailed to TCEQ:**
TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ **AUSTIN REGIONAL OFFICE**

☐ **Overnight Delivery to TCEQ:**
TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
512/239-0347

Check one:

☐ **Contributing Zone Plan - Fee Due $250**

☒ **Modification of a Previously Approved Contributing Zone Plan - Fee Due $250**

☐ **Extension of Time Request - Fee Due $100**

Signature

8-27-07
Date

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

I, Thomas Bloxham,
Print Name

Assistant Superintendent of Support Services
Title - Owner/President/Other

of Comal Independent School Disrtict
Corporation/Partnership/Entity Name

have authorized Duane A. Moy
Print Name of Agent/Engineer

of Moy Civil Engineers
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. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and the forms must accompany the completed application.

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. For applicants who are not the property owner, but who have the right to control and possess and control the property, additional authorization is required from the owner.

Thomas Bloxham
Applicant's Signature

5-9-07
Date

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Thomas Bloxham 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 9th day of May 2007

Nancy J. Denton
NOTARY PUBLIC

NANCY J. DENTON
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
AUGUST 11, 2010

Nancy J. Denton
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 8/11/2010

TCEQ Core Data Form

TCEQ Use Only

If you have questions on how to fill out this form or about our Central Registry, please contact us at 512-239-5175.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

SECTION I: General Information

1. Reason for Submission *Example: new wastewater permit; IHW registration; change in customer information; etc.*

Improvements within the Edwards Aquifer Contributing Zone

2. Attachments	Describe Any Attachments: *(ex: Title V Application, Waste Transporter Application, etc.)*
X YES ☐ NO	Contributing Zone Plan

3. Customer Reference Number-*if issued*			4. Regulated Entity Reference Number-*if issued*		
CN	600249825	*(9 digits)*	RN	101195089	*(9 digits)*

SECTION II: Customer Information

5. Customer Role *(Proposed or Actual)* -- As It Relates to the Regulated Entity Listed on This Form

Please check one of the following:	X	Owner		Operator		Owner and Operator
	Occupational Licensee		Volunteer Cleanup Applicant			Other
TCEQ Use Only		Superfund		PST		Respondent

6. General Customer Information

	New Customer	X	Change to Customer Information
	Change in Regulated Entity Ownership		No Change *

*If No Change@ and Section I is complete, skip to Section III - Regulated Entity Information.

7. Type of Customer:		Individual		Sole Proprietorship - D.B.A.
	Partnership		Corporation		Federal Government
	State Government		County Government		City Government
X	Other Government	School District	Other:	

8. Customer Name *(If an individual, please print last name first)*	*If new name, enter previous name:*
Comal Independent School District	

9. Mailing Address:	1404 I-35 N			
	City	State	ZIP	ZIP + 4
	New Braunfels	TX	78130	

10. Country Mailing Information *if outside USA*	11. E-Mail Address *if applicable*
	david.swain@comalisd.org

12. Telephone Number	13. Extension or Code	14. Fax Number *if applicable*
830-221-2184	6	830-221-2009

15. Federal Tax ID *(9 digits)*	16. State Franchise Tax ID Number *if applicable*	17. DUNS Number *if applicable (9 digits)*
746001777	1-74-6001777-9	

18. Number of Employees									19. Independently Owned and Operated?			
	0-20	X	21-100		101-250		251-500		501 and higher		Yes		No

SECTION III: Regulated Entity Information

20. General Regulated Entity Information

	New Regulated Entity		Change to Regulated Entity Information	X	No Change*

*If "No Change" and Section I is complete, skip to Section IV - Preparer Information.

21. Regulated Entity Name *(If an individual, please print last name first)*				
Arlon Seay School				
22. Street Address (No PO Boxes)	20911 State Hwy. 46 W.			
	City	State	ZIP	ZIP + 4
	Spring Branch	TX	78070	
23. Mailing Address	1404 I-35			
	City	State	ZIP	ZIP + 4
	New Braunfels	TX	78130	
24. E-Mail Address:	david.swain@comalisd.org			

25. Telephone Number	26. Extension or Code	27. Fax Number *if applicable*
830-221-2184	6	830-221-2009

28. Primary SIC Code (4 digits)	29. Secondary SIC Code (4 digits)	30. Primary NAICS Code (5 or 6 digits)	31. Secondary NAICS Code (5 or 6 digits)
8211		61111	611110

32. What is the Primary Business of this entity? (Please do not repeat the SIC or NAICS description)

Elementary School

Questions 33 - 37 address geographic location. Please refer to the instructions for applicability.

33. County	Comal

34. Description of Physical Location

20911 State Hwy. 46 W. South side of Hwy. 46, west of Hwy 281) in Spring Branch, Texas

35. Nearest City	State	Nearest Zip
Spring Branch	TX	78070

36. Latitude (N)			*37. Longitude (W)*		
Degrees	*Minutes*	*Seconds*	*Degrees*	*Minutes*	*Seconds*
29	47	36	98	25	44

38. TCEQ Programs In Which This Regulated Entity Participates *Not all programs have been listed. Please add to this list as needed. If you don't know or are unsure, please mark "Unknown".* If you know a permit or registration # for this entity, please write it below the program."

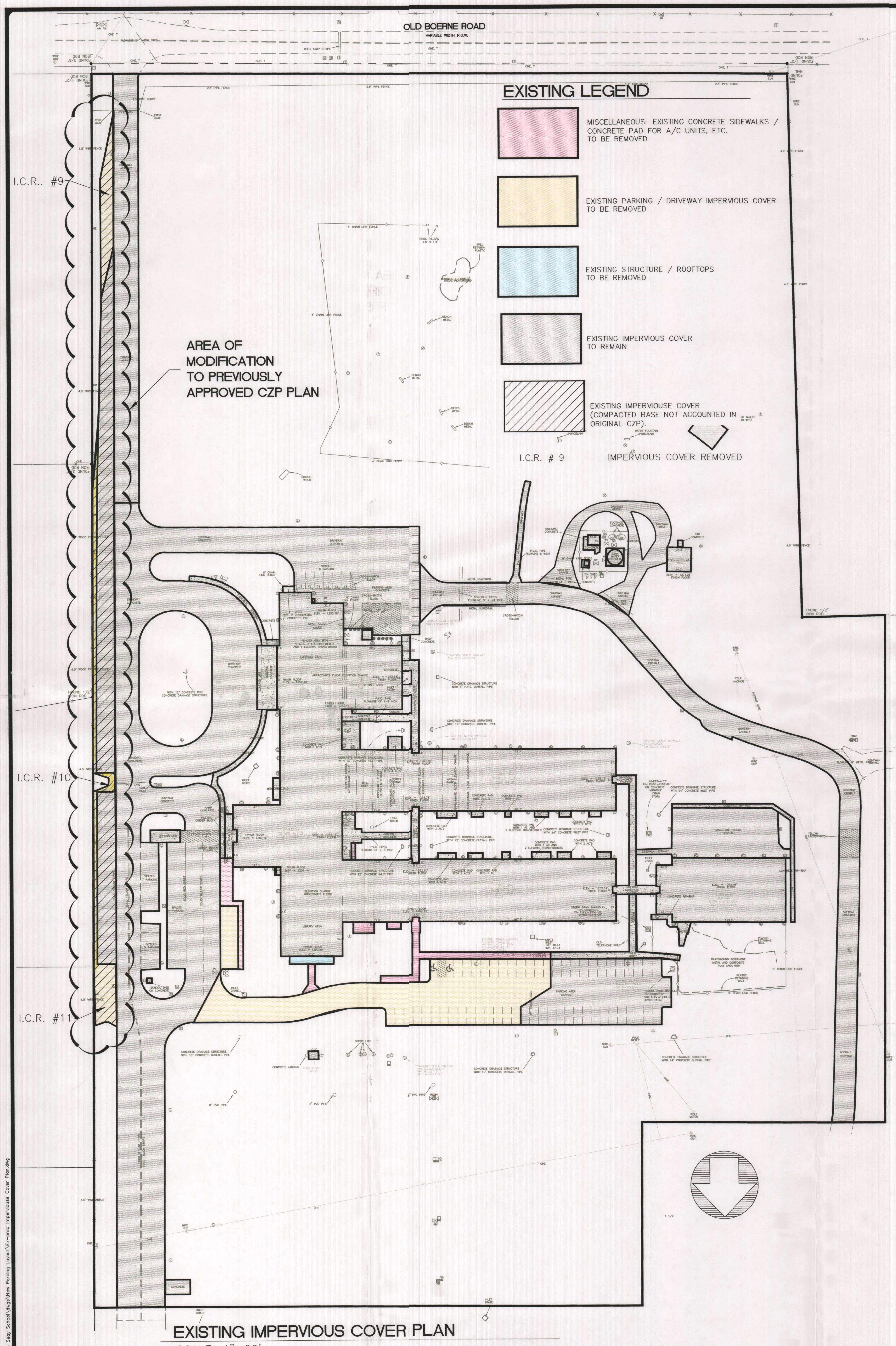
	Animal Feeding Operation		Petroleum Storage Tank		Water Rights
	Title V - Air		Wastewater Permit		
	Industrial & Hazardous Waste		Water Districts	X	**Edwards Aquifer Protection**
	Municipal Solid Waste		Water Utilities		Unknown
	New Source Review - Air		Licensing - TYPE(s)		

Section IV: Preparer Information

39. Name	40. Title
Suzanne Crawford	Project Manager

41. Telephone Number	42. Extension or Code	43. Fax Number *if applicable*
210-698-5051	205	210-698-5085

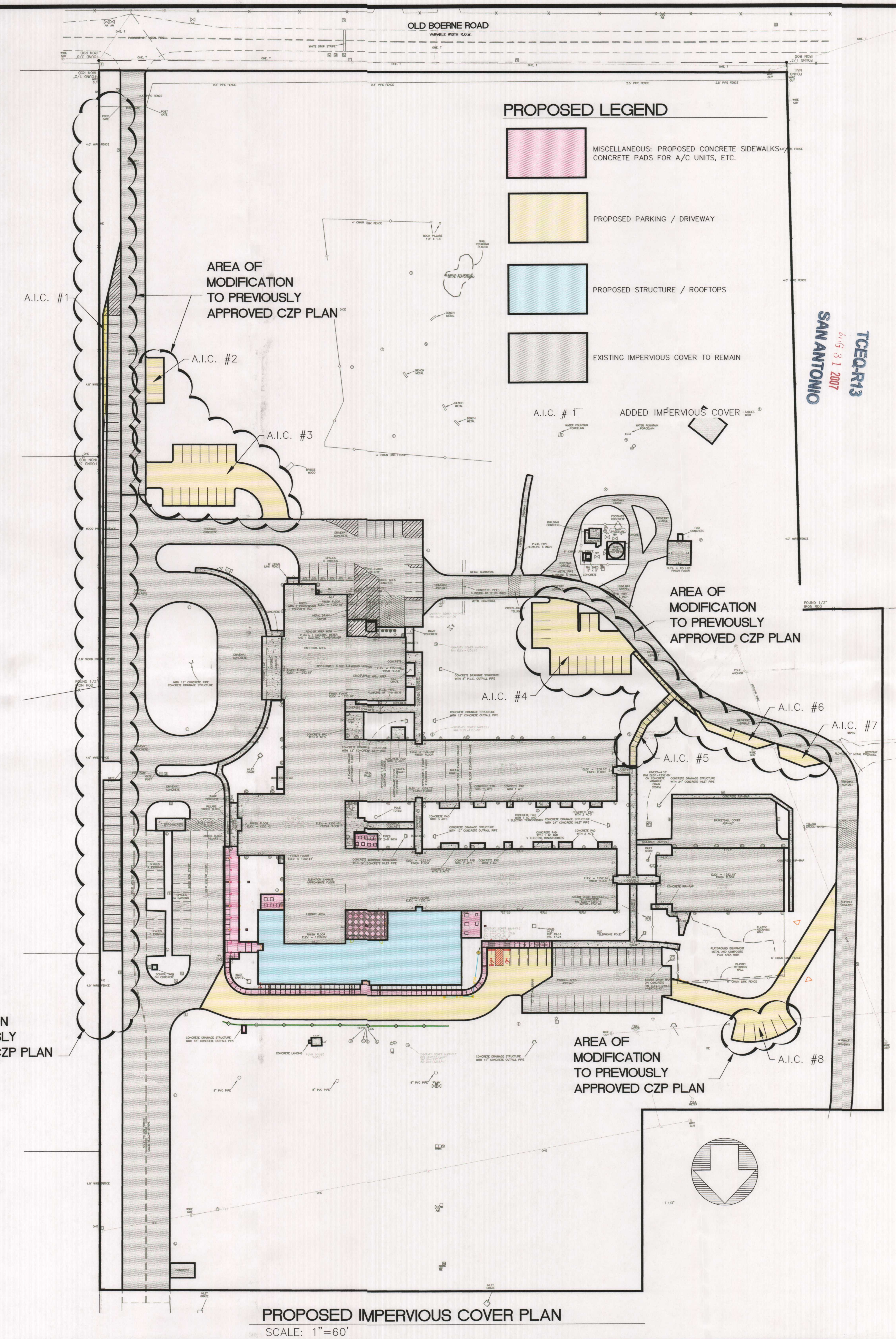
44. E-mail Address:	scrawford@moy-ce.com



OLD BOERNE ROAD
EXISTING LEGEND
MISCELLANEOUS: EXISTING CONCRETE SIDEWALKS / CONCRETE PAD FOR A/C UNITS, ETC. TO BE REMOVED
EXISTING PARKING / DRIVEWAY IMPERVIOUS COVER TO BE REMOVED
EXISTING STRUCTURE / ROOFTOPS TO BE REMOVED
EXISTING IMPERVIOUS COVER TO REMAIN
EXISTING IMPERVIOUSE COVER (COMPACTED BASE NOT ACCOUNTED IN ORIGINAL CZP)
I.C.R. # 9
IMPERVIOUS COVER REMOVED
I.C.R.. #9
AREA OF MODIFICATION TO PREVIOUSLY APPROVED CZP PLAN
I.C.R. #10
I.C.R. #11

EXISTING IMPERVIOUS COVER PLAN

SCALE: 1"=60'



OLD BOERNE ROAD
PROPOSED LEGEND
MISCELLANEOUS: PROPOSED CONCRETE SIDEWALKS CONCRETE PADS FOR A/C UNITS, ETC.
PROPOSED PARKING / DRIVEWAY
PROPOSED STRUCTURE / ROOFTOPS
EXISTING IMPERVIOUS COVER TO REMAIN
A.I.C. # 1
ADDED IMPERVIOUS COVER
A.I.C. #1
A.I.C. #2
A.I.C. #3
A.I.C. #4
A.I.C. #5
A.I.C. #6
A.I.C. #7
A.I.C. #8
AREA OF MODIFICATION TO PREVIOUSLY APPROVED CZP PLAN
AREA OF MODIFICATION TO PREVIOUSLY APPROVED CZP PLAN
AREA OF MODIFICATION TO PREVIOUSLY APPROVED CZP PLAN
AREA OF MODIFICATION TO PREVIOUSLY APPROVED CZP PLAN

PROPOSED IMPERVIOUS COVER PLAN

SCALE: 1"=60'

TCEQ-R13
AUG 31 2007
SAN ANTONIO

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:
070181	S.C.	J.U.	D.A.M.	8/30/07

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

STATE OF TEXAS
DUANE A. MOY
69258
REGISTERED PROFESSIONAL ENGINEER
8/31/07

ARLON SEAY SCHOOL

EXISTING /PROPOSED IMPERVIOUS COVER PLAN MODIFICATION TO PREVIOUSLY APPROVED PLAN

SHEET 1 OF 3

LEGEND

- MISCELLANEOUS: CONCRETE SIDEWALKS / CONCRETE PADS
- PARKING / DRIVEWAY
- STRUCTURE / ROOFTOPS
- CONTRIBUTING AREAS TO BMP
- VEGETATED FILTER STRIP
- LIMITS OF AREA TO BE DISTURBED
- V.S.-1 VEGETATED STRIP NUMBER 1
- 1200 EXISTING CONTOURS
- 1200 PROPOSED CONTOURS

BMP KEYNOTES

1. SILT FENCE
2. BAGGED GRAVEL INLET FILTER
3. ROCK BERM
4. TEMPORARY CONSTRUCTION ENTRANCE\EXIT

Texas Commission on Environmental Quality
Contributing Zone Plan
General Construction Notes

1. Written construction notification should be provided to the appropriate TCEQ regional office no later than 48 hours prior to commencement of the regulated activity. Information should 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 with the name and telephone number of the contact person.
2. All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on-site.
3. No temporary aboveground hydrocarbon and hazardous substance storage tank system may be installed within 150 feet if a domestic, industrial, irrigation, or public water supply well.
4. Prior to commencing construction, all temporary erosion and sedimentation (E&S) control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. Controls specified in the SWPPP section of the approved Edwards Aquifer Contributing Zone 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.
5. 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).
6. 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.
7. 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).
8. All spoils (excavated material) generated from the project site and stored on-site must have proper E&S controls installed.
9. 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.
10. The following records should 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.
11. The holder of any approved Contributing Zone 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 best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
   B. any change in the nature or character of the regulated activity from that which was originally approved;
   C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
   D. any development of land previously identified in a contributing zone plan as undeveloped.

Austin Regional Office	San Antonio Regional Office
1921 Cedar Bend, Suite 150	14250 Judson Road
Austin, Texas 78758-5336	San Antonio, Texas 78233-4480
Phone (512) 339-2929	Phone (210) 490-3096
Fax (512) 339-3795	Fax (210) 545-4329

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

GENERAL NOTES

LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED. THESE ARE THE TEMPORARY BEST MANAGEMENT PRACTICES.

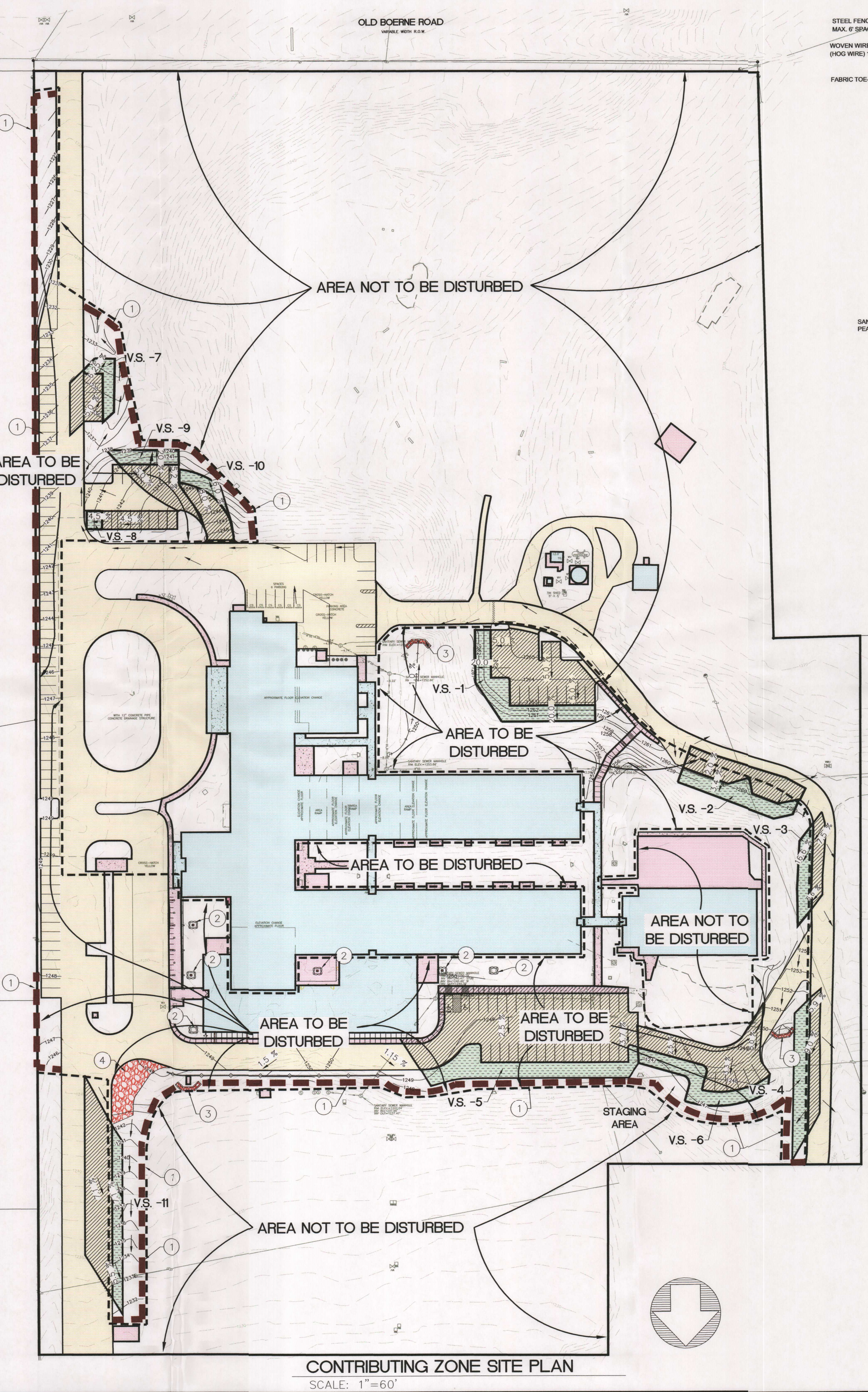
SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE AREAS DISTURBED THROUGH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.

THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.

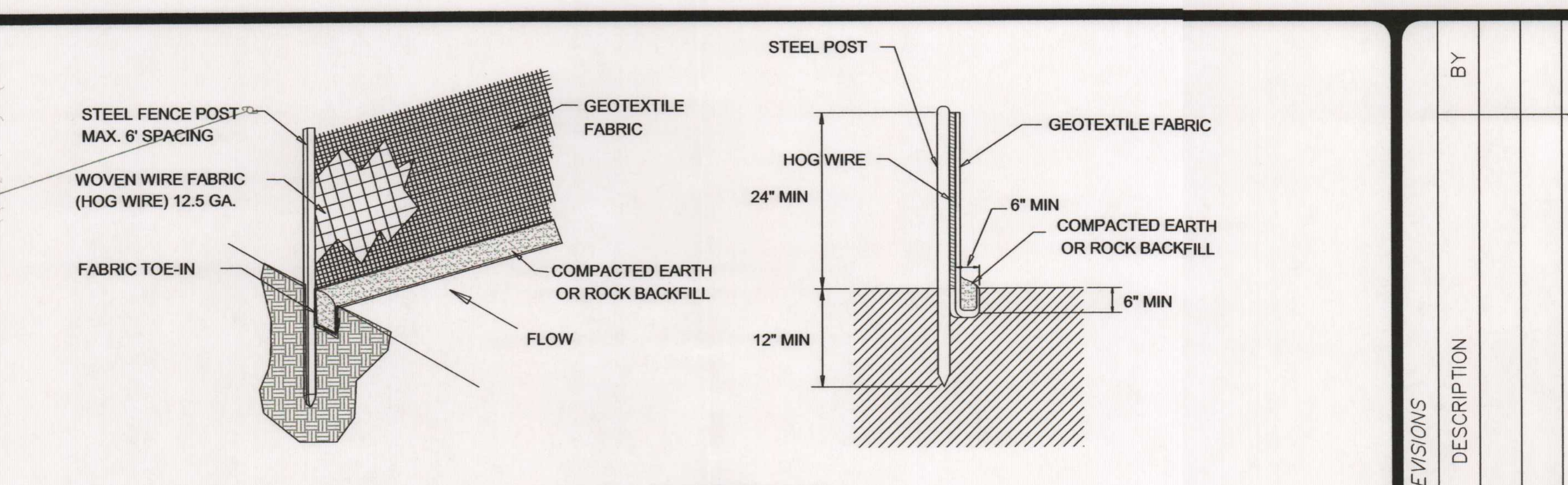
VEGETATIVE FILTER STRIPS ARE 15 FOOT LONG IN THE DIRECTION OF FLOW.

INSPECTION OF TEMPORARY BMPS (SILT FENCES, BAGGED GRAVEL INLET FILTERS, ROCK BERMS, AND TEMPORARY CONSTRUCTION ENTRANCE/EXIT DEVICES) SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPLTLY AS NEEDED BY THE CONTRACTOR.

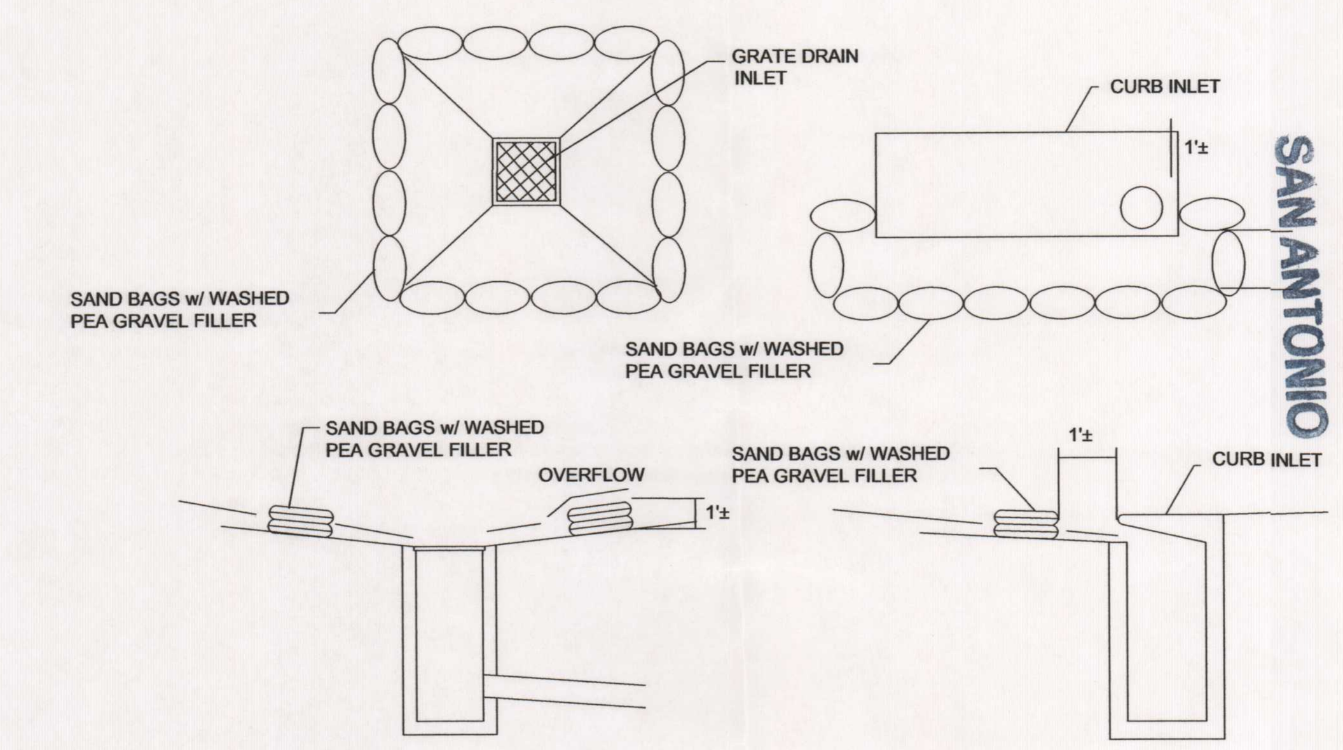
R:\Arlon Seay School\dwgs\New Parking Layout\7.2_CZP Plan.dwg



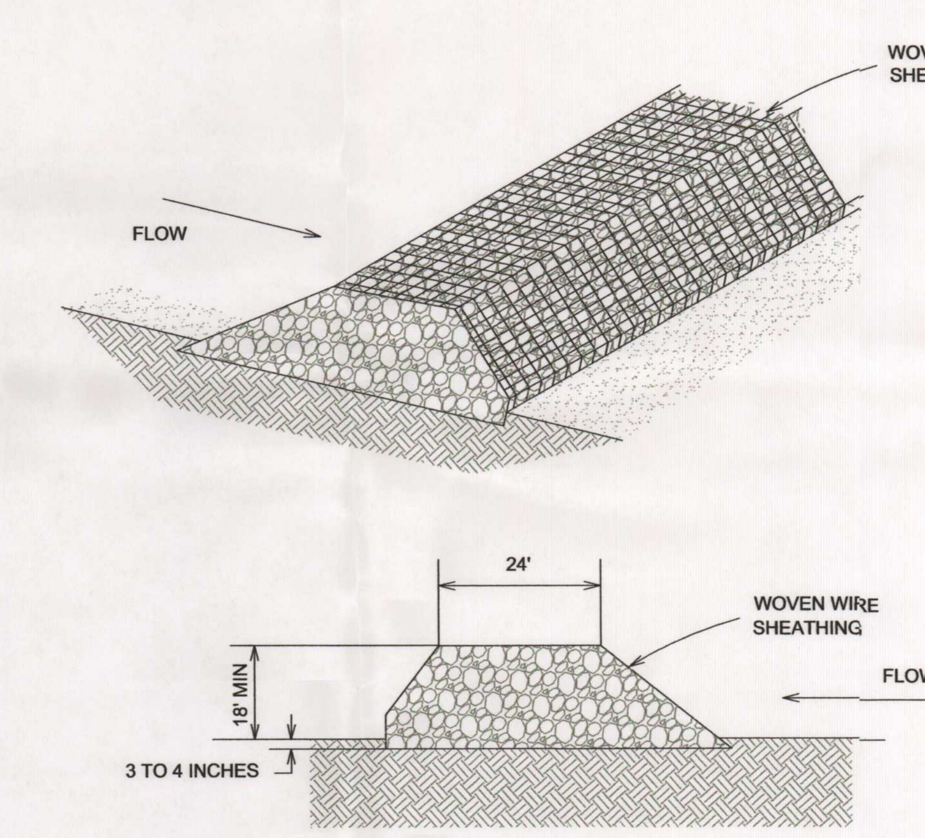
CONTRIBUTING ZONE SITE PLAN
SCALE: 1"=60'



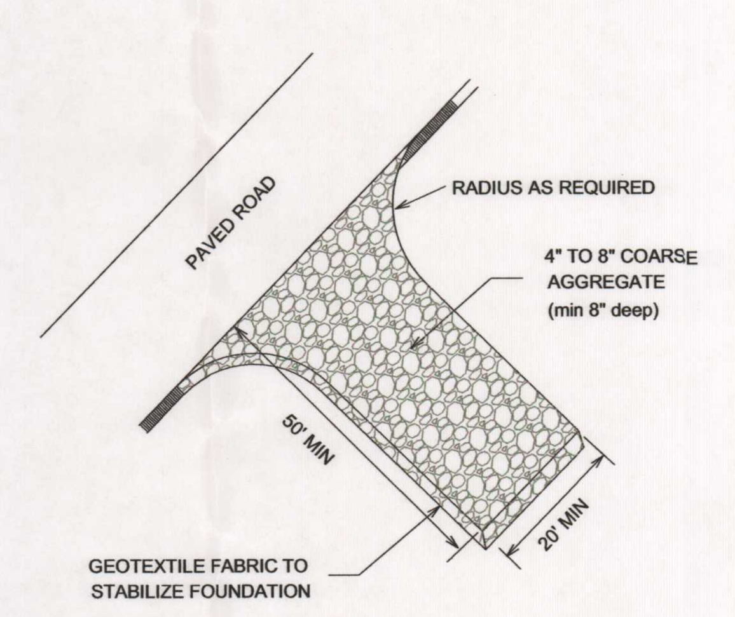
SILT FENCE
N.T.S.



BAGGED GRAVEL INLET FILTER
N.T.S.



ROCK BERM
N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE/EXIT
N.T.S.

TCEQ-R13 SAN ANTONIO 2007

NO.	DATE	REVISIONS DESCRIPTION	BY

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL. (210) 698-5051
FAX (210) 698-5085

STATE OF TEXAS — DUANE A. MOY — 69258 — REGISTERED PROFESSIONAL ENGINEER

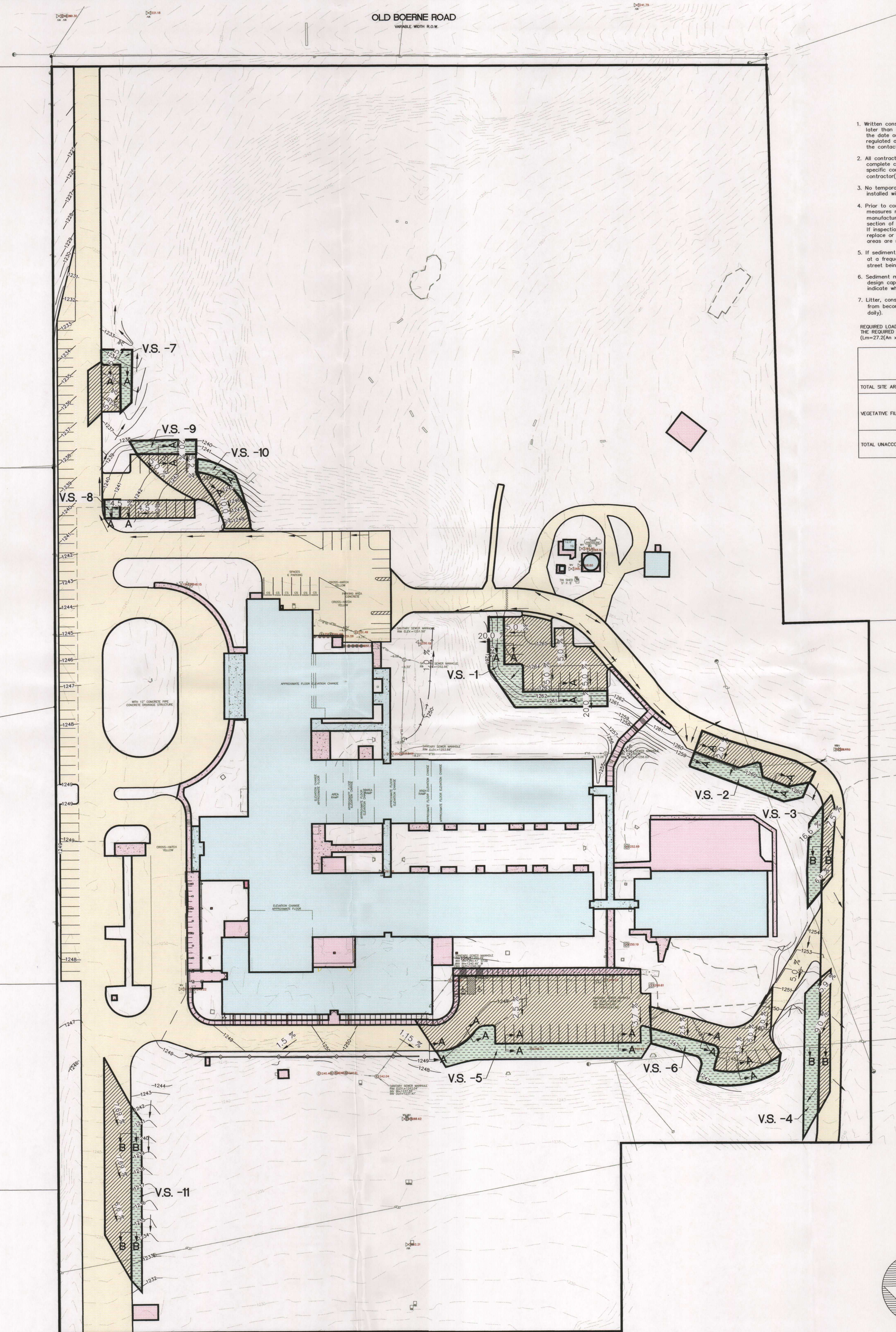
PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:
070181	S.C.	J.U.	D.A.M.	8/30/07

ARLON SEAY SCHOOL
CONTRIBUTING ZONE SITE PLAN
MODIFICATION TO PREVIOUSLY APPROVED PLAN

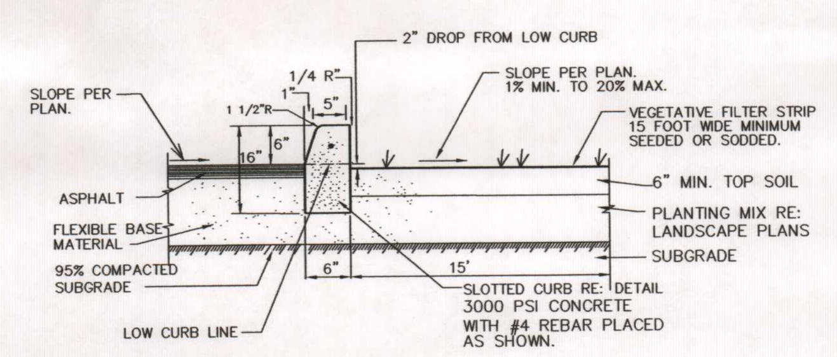
SHEET 2 OF 3

LEGEND

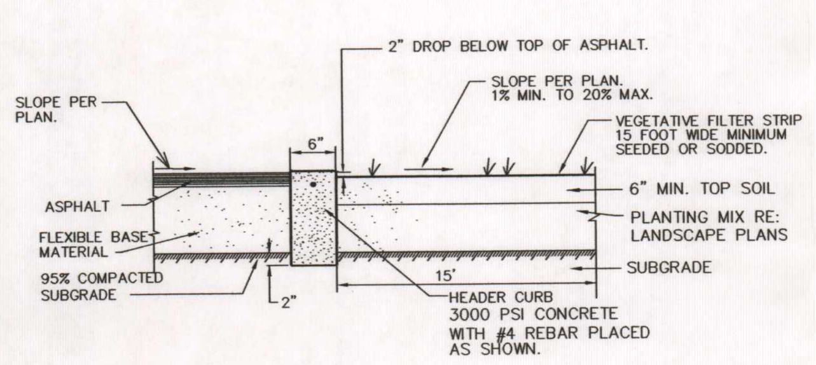
- MISCELLANEOUS: CONCRETE SIDEWALKS/ CONCRETE PADS FOR A/C UNITS, ETC.
- PARKING / DRIVEWAY
- STRUCTURE / ROOFTOPS
- CONTRIBUTING AREAS TO BMP
- VEGETATED FILTER STRIP
- V.S.-1 — VEGETATED STRIP NUMBER 1
- 1200 — EXISTING CONTOURS
- 1200 — PROPOSED CONTOURS



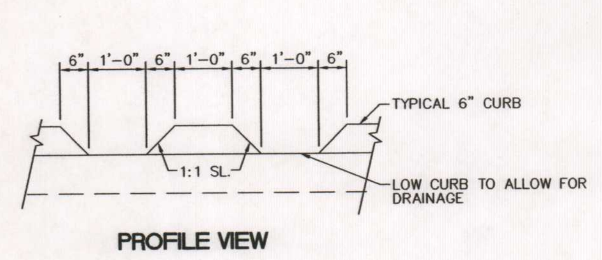
CONTRIBUTING ZONE CONSTRUCTION PLAN
SCALE: 1"=30'



A-A VEGETATIVE FILTER STRIP ADJACENT TO SLOTTED CURB
N.T.S.



B-B VEGETATIVE FILTER STRIP ADJACENT TO HEADER CURB
N.T.S.



SLOTTED CURB DETAIL
N.T.S.

Texas Commission on Environmental Quality
Contributing Zone Plan
General Construction Notes

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    B. any change in the nature or character of the regulated activity from that which was originally approved;
    C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
    D. any development of land previously identified in a contributing zone plan as undeveloped.

Austin Regional Office	San Antonio Regional Office
1921 Cedar Bend, Suite 150 Austin, Texas 78758-5336 Phone (512) 339-2929 Fax (512) 339-3795	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.

REQUIRED LOAD REMOVAL
THE REQUIRED LOAD REMOVAL IS CALCULATED AS 350 POUNDS
(Lm=27.2(An x P)=27.2(0.39 x 33)=350 POUNDS)

	IMPERVIOUS COVER (ACRES)	REQUIRED LOAD REMOVAL TSS, Lm, lbs	DESIGN LOAD REMOVED, TSS Lm, lbs	NOTES
TOTAL SITE AREA REQUIRING TREATMENT	0.39			
VEGETATIVE FILTER STRIPS AS BMPs	0.89		799*	* AN EXCESS OF 449 POUNDS TSS IS BEING TREATED.
TOTAL UNACCOUNTED FOR AREAS	0.00*			* ALL SITE AREA REQUIRING TREATMENT IS ACCOUNTED FOR.

TCEQ-R13
AUG 31 2007
SAN ANTONIO

REVISIONS

NO.	DATE	DESCRIPTION	BY

PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:
070181	S.C.	D.A.	D.A.M.	8/30/07

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

STATE OF TEXAS — DUANE A. MOY — 69256 — REGISTERED PROFESSIONAL ENGINEER

ARLON SEAY SCHOOL

CONTRIBUTING ZONE CONSTRUCTION PLAN MODIFICATION TO PREVIOUSLY APPROVED PLAN

SHEET 3 OF 3

MOY
CIVIL
ENGINEERS

July 26, 2007

Ms. Lynn Bumguardner
Water Section Work Leader
Texas Commission on Environmental Quality – Region 13
14250 Judson Road
San Antonio, TX 78233-4480

Re: Contributing Zone Plan
Arlon Sea Elementary School, Comal County
Edwards Aquifer Protection Program ID No. 2663.00
Investigation No. 562781
Regulated Entity No. RN105230361

Dear Ms. Bumguardner:

In response to your letter dated July 18, 2007, please find enclosed one (1) original and three (3) copies of supplemental information for the above referenced CZP application.

The additional information that your department has requested are answered below.

1. *Information Requested*:
   Detail the total amount of impervious cover being treated by the vegetative filter strips.
   Response:
   See attached table showing 0.49 acre increase in impervious cover and 0.50 acres of contributing areas to vegetative strips as BMPs.
2. *Information Requested:*
   Provide details on the type of cover that will be in between the dashed lines seen in Attachment A. If this area is to be a GravelPave system (or similar system), it shall be included in the impervious cover created for the project and accounted for in TSS treatment.
   Response:
   This area shall be asphalt drive and is accounted for in the impervious cover listed in the table provided.
3. *Information Requested:*
   It appears that the aforementioned area outlined in Attachment A intercepts part of VS-3. If the area between the dashed lines is to be impervious cover, revise the site plan such that VS-3 is only pervious cover with 80% vegetated cover.
   Response:
   The CZP site plan has been revised so that VS-3 is only pervious cover.

12770 Cimarron Path, Suite 100 • San Antonio, TX 78249
Ph. 210.698.5051 • Fx. 210.698.5085

4. *Information Requested:*

   Confirm the proposed temporary BMP inspection and maintenance conforms to the seven day time frame stated in the Edwards Aquifer Technical Guidance manual (RG-348, 2005.) Revise the CZP as necessary.

   Response:

   a. The following statement has been added to the Contributing Zone Plan General Notes and to the verbiage of the Erosion and Sedimentation Maintenance Practices portion of the Stormwater Pollution Prevention Plan: "*Inspection of Temporary BMPs (silt fences, bagged gravel inlet filters, rock berms, and temporary construction entrance/exit devices) shall be made weekly and after each rainfall. Repair or replacement shall be made promptly as needed by the contractor.*"

If you have any questions or comments on the above information, please do not hesitate to call.

Sincerely,

Duane A Moy

Duane A Moy, P.E.

Cc: Mr. Roy Linnartz – Comal ISD
Mr. Kent Niemann – Pfluger Associates

Arlon Seay Elementary School

Calculation of Added Impervious Cover.

Overall Post Improvement Impervious Cover:	5.47 acres
Overall Existing Impervious Cover:	4.98 acres
Added Impervious Cover:	0.49 acres

Determination of Required Load Removal.

Page 3-29 Required TSS removal (pounds)

Equation 3.3: $L_M = 27.2(A_N \times P)$

L_M = Required TSS removal (pounds)

A_N = Net increase in impervious area for site (acres) = 0.49 acre

P = Average annual precipitation (inches) = 33 inches Comal

$L_{M\ total}$ = 439.8 pounds TOTAL REQUIRED LOAD REMOVAL

Load Removed by Vegetative Strips as BMPs.

Contributing Areas	Sq. Ft.
VS-1	1,183
VS-2	1,612
VS-3	895
VS-4	1,270
VS-5	14,176
VS-6	2,844
	21,980 s.f. = 0.50 acres

Since the contributing areas remove 80% of the TSS load, the formula: L= 27.2 (A x P) can be used to calculated the expected load to be removed.

Load Removal: L = 449 pounds

EROSION AND SEDIMENTATION MAINTENANCE PRACTICES

1. ALL EROSION AND SEDIMENTATION (E & S) CONTROLS SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR. WRITTEN MAINTENANCE REPORTS SHALL BE PREPARED COVERING ALL INSPECTIONS AND MAINTENANCE AFFECTING E & S CONTROLS. IF REPAIR(S) ARE NECESSARY, THEY SHALL BE COMPLETED WITHIN 7 DAYS AFTER BEING REPORTED.

2. THE TEMPORARY CONSTRUCTION ENTRANCE/EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT/MINIMIZE TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC ROADWAYS. SEDIMENTS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY WILL BE RECOVERED.

3. TEMPORARY AND PERMANENT SEEDING AND PLANTING SHALL BE MAINTAINED TO INSURE THE FOLLOWING:
   - BARE SPOTS ARE FILLED IN
   - WASH-OUTS ARE FILLED IN
   - HEALTHLY GROWTH IS PROMOTED

4. INSPECTION OF TEMPORARY BMPS (SILT FENCES, BAGGED GRAVEL INLET FILTERS, ROCK BERMS, AND TEMPORARY CONSTRUCTION ENTRANCE/EXIT DEVICES) SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.

5. SILT FENCES, ROCK BERMS AND GRAVEL BAGS SHALL BE MAINTAINED/CLEANED: WHEN SILT REACHES A DEPTH EQUAL TO THE LESSER OF ½ THE OBSTACLE HEIGHT OR 12". THE SILT SHALL BE REMOVED AND MIXED WITH OTHER SOIL MATERIALS TO BE PLACED WITHIN THE EMBANKMENT AREAS OF THE PROJECT SITE. AFTER CONSTRUCTION IS COMPLETE, ANY REMAINING SILT SHALL BE DISPOSED OF OFF-SITE.

6. ROCK BERMS SHALL BE MAINTAINED/CLEANED BY LIFTING, DROPPING AND RESHAPING STONES AS REQUIRED.

7. SILT FENCES SHALL BE MAINTAINED TO INSURE THE FOLLOWING:
   - TORN FABRIC IS REPLACED
   - LOOSE FABRIC IS PROPERLY RESECURED
   - LOOSE P0ST SUPPORTS ARE PLUMBED AND STRENGTHENED
   - FABRIC BOTTOM IS BURIED

8. GRAVEL FILTER BAGS SHALL BE MAINTAINED TO INSURE THE FOLLOWING:
   - TORN BAGS ARE REPLACED
   - SPILLED GRAVEL IS REUSED OR REMOVED
   - BAGS ARE POSITIONED TO PROVIDE MAXIMUM COVERAGE

CONTRIBUTING ZONE SITE PLAN

LEGEND

- MISCELLANEOUS: CONCRETE SIDEWALKS / CONCRETE PADS
- PARKING / DRIVEWAY
- STRUCTURE / ROOFTOPS
- CONTRIBUTING AREAS TO BMP
- VEGETATED FILTER STRIP
- LIMITS OF AREA TO BE DISTURBED
- V.S.-1 VEGETATED STRIP NUMBER 1
- —1200— EXISITING CONTOURS
- —1200— PROPOSED CONTOURS

BMP KEYNOTES

1. SILT FENCE
2. BAGGED GRAVEL INLET FILTER
3. ROCK BERM
4. TEMPORARY CONSTRUCTION ENTRANCE\EXIT

Texas Commission on Environmental Quality
Contributing Zone Plan
General Construction Notes

1. Written construction notification should be provided to the appropriate TCEQ regional office no later than 48 hours prior to commencement of the regulated activity. Information should 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 with the name and telephone number of the contact person.
2. All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on-site.
3. No temporary aboveground hydrocarbon and hazardous substance storage tank system may be installed within 150 feet if a domestic, industrial, irrigation, or public water supply well.
4. Prior to commencing construction, all temporary erosion and sedimentation (E&S) control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. Controls specified in the SWPPP section of the approved Edwards Aquifer Contributing Zone 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.
5. 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).
6. 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.
7. 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).
8. All spoils (excavated material) generated from the project site and stored on-site must have proper E&S controls installed.
9. 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.
10. The following records should 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.
11. The holder of any approved Contributing Zone 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 best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
    B. any change in the nature or character of the regulated activity from that which was originally approved;
    C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
    D. any development of land previously identified in a contributing zone plan as undeveloped.

Austin Regional Office 1921 Cedar Bend, Suite 150 Austin, Texas 78758-5336 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

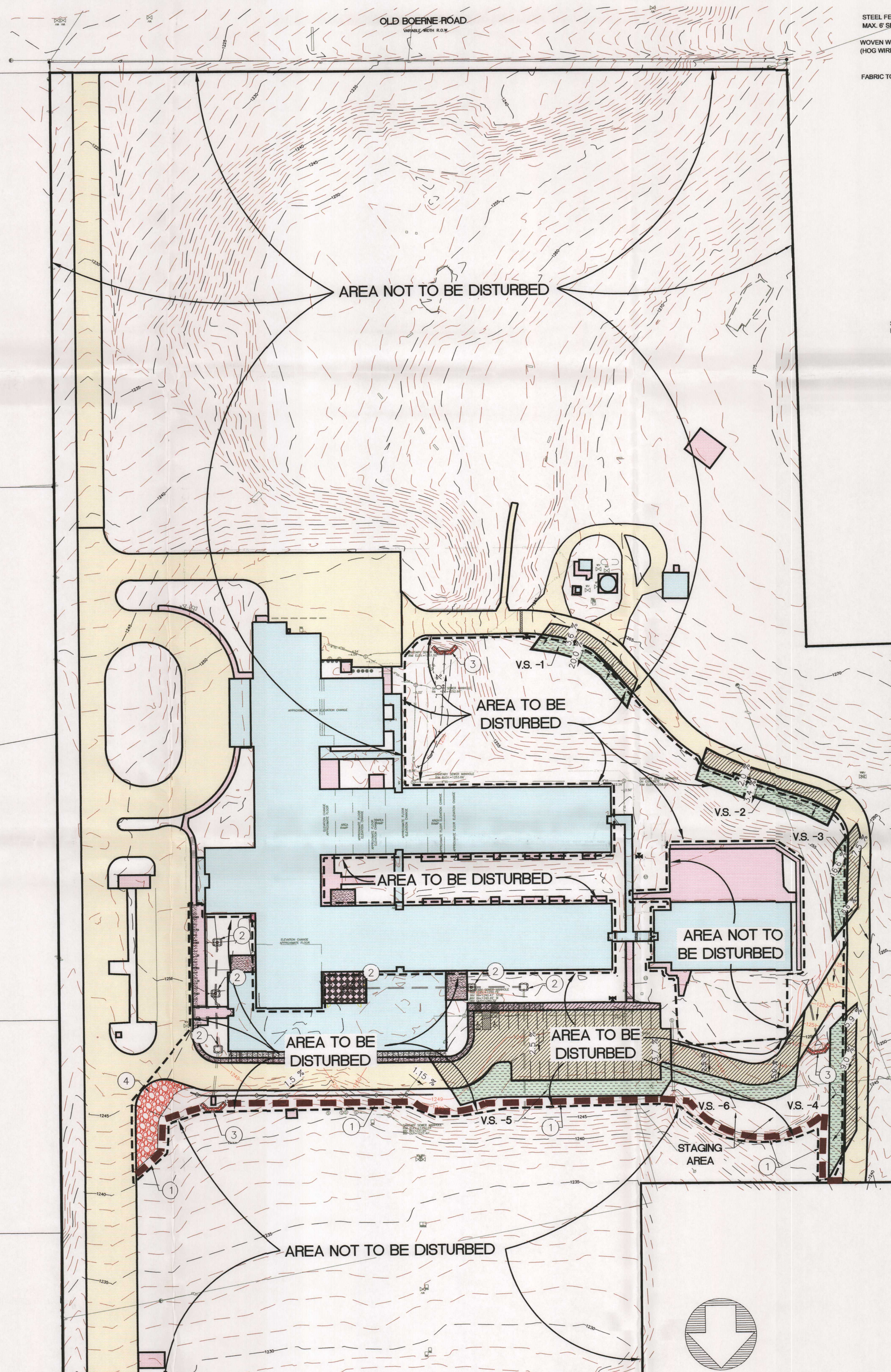
LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED. THESE ARE THE TEMPORARY BEST MANAGEMENT PRACTICES.

SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE AREAS DISTURBED THROUGH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.

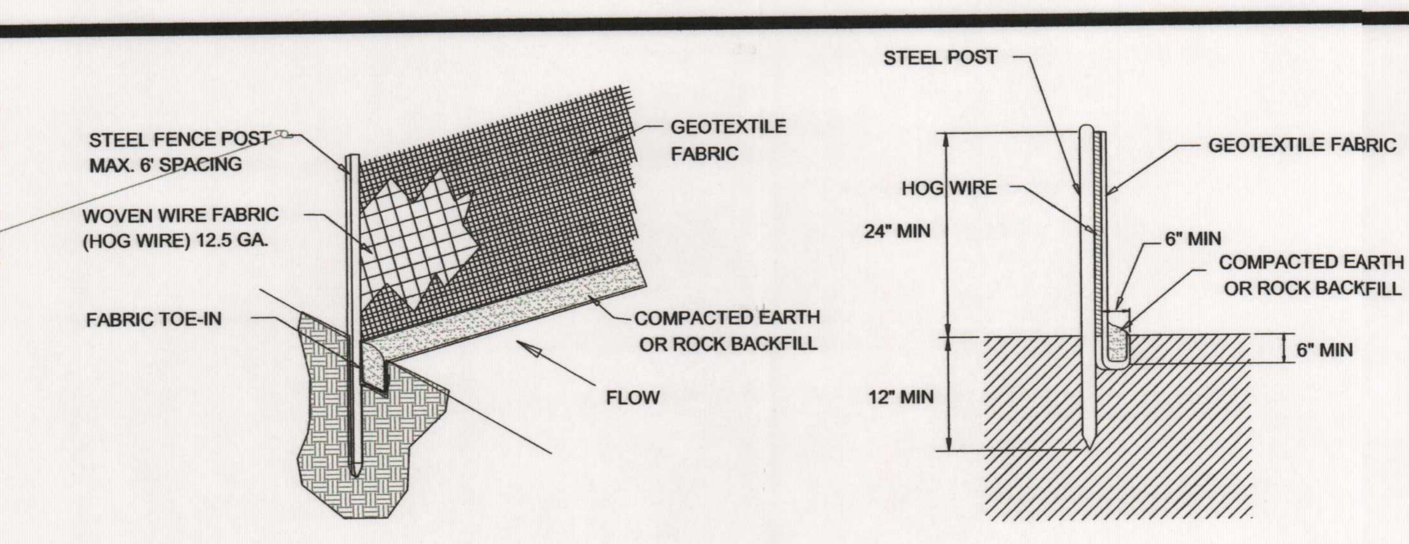
THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.

VEGETATIVE FILTER STRIPS ARE 15 FOOT LONG IN THE DIRECTION OF FLOW.

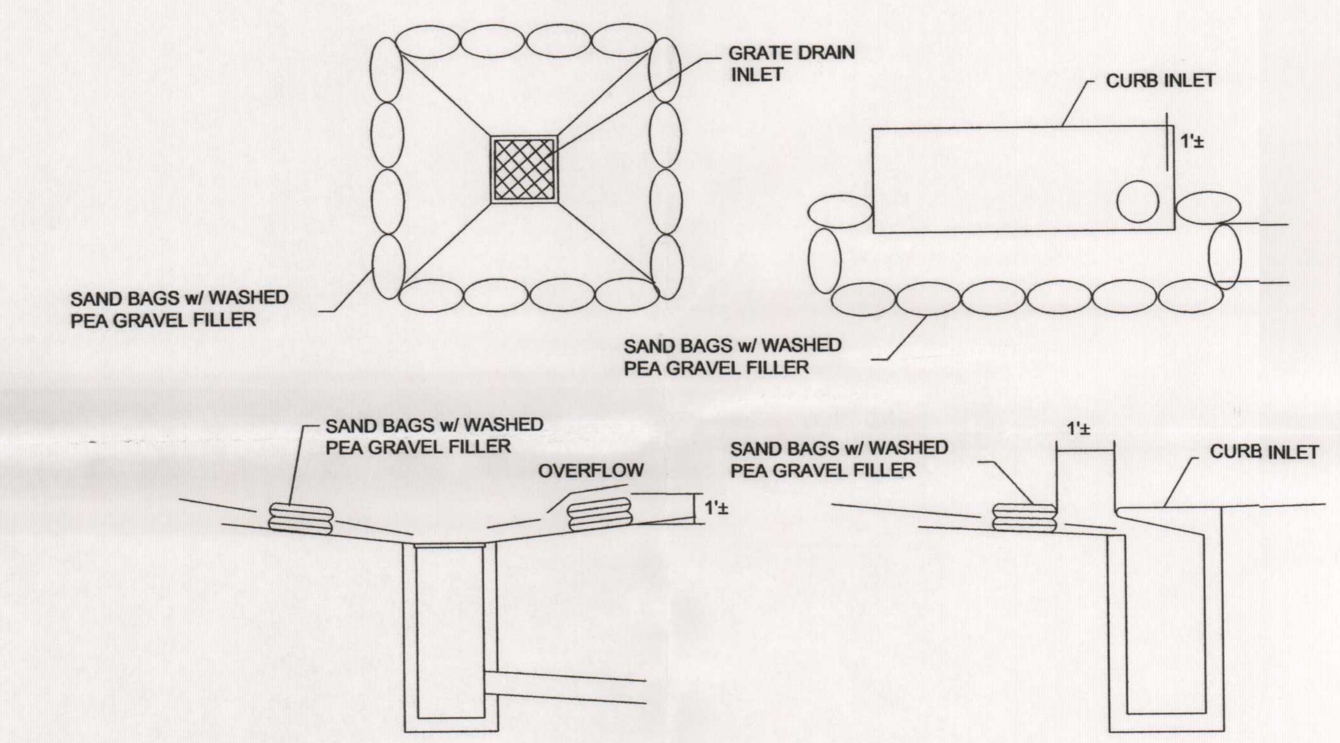
INSPECTION OF TEMPORARY BMPS (SILT FENCES, BAGGED GRAVEL INLET FILTERS, ROCK BERMS, AND TEMPORARY CONSTRUCTION ENTRANCE/EXIT DEVICES) SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPLTLY AS NEEDED BY THE CONTRACTOR.



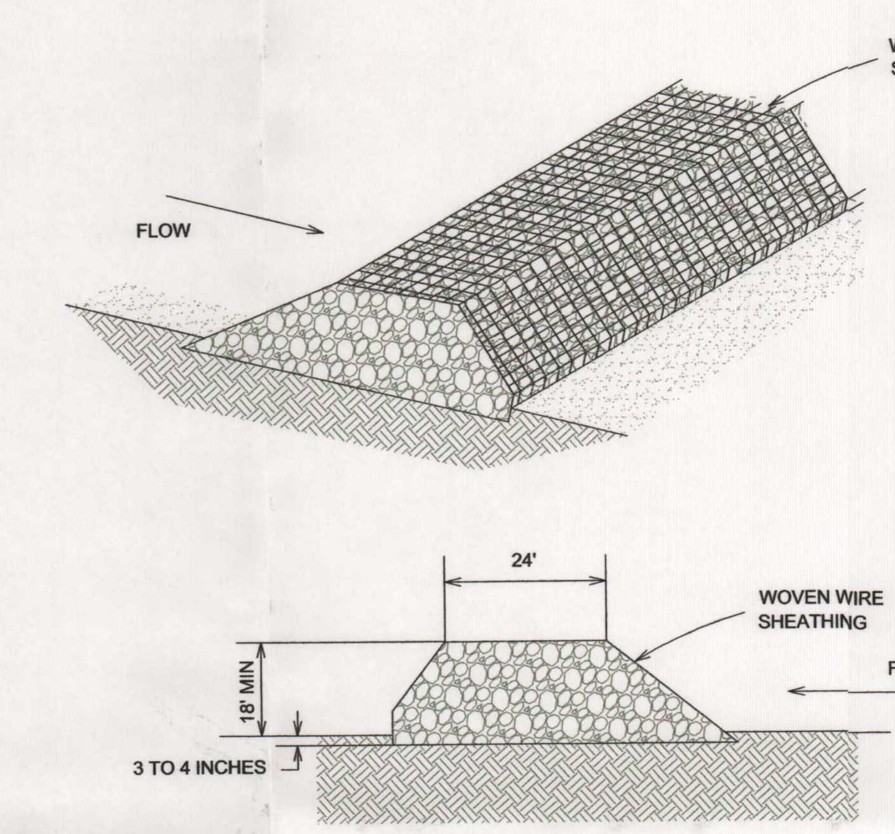
CONTRIBUTING ZONE SITE PLAN PLAN
SCALE: 1"=60'



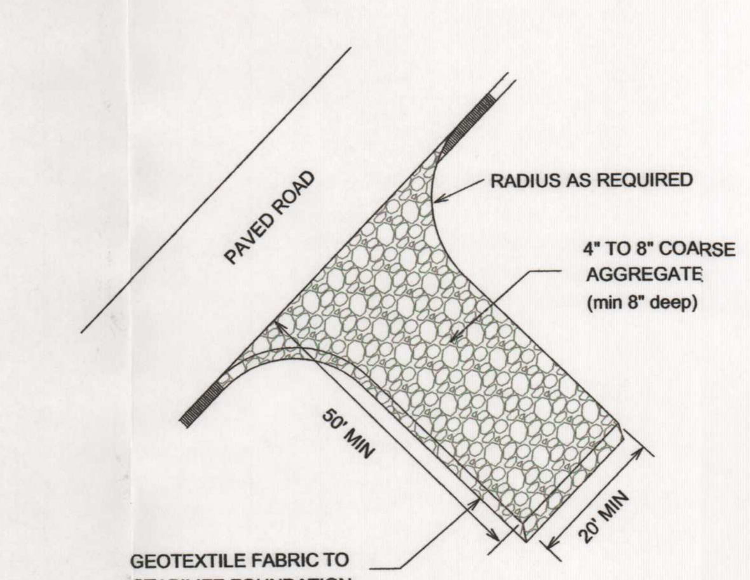
SILT FENCE
N.T.S.



BAGGED GRAVEL INLET FILTER
N.T.S.



ROCK BERM
N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE/EXIT
N.T.S.

NO.	DATE	REVISIONS DESCRIPTION	BY

PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:
070180	S.C.	J.U.	D.A.M.	5/24/07

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

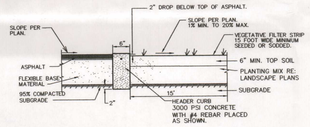
STATE OF TEXAS — DUANE A. MOY — 69258 — REGISTERED PROFESSIONAL ENGINEER
7/26/07

ARLON SEAY SCHOOL
CONTRIBUTING ZONE SITE PLAN

SHEET 2 OF 3

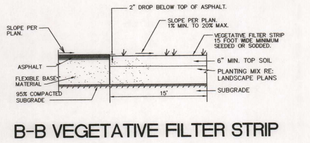
LEGEND

- MISCELLANEOUS: CONCRETE SIDEWALKS/ CONCRETE PADS FOR A/C UNITS, ETC.
- PARKING / DRIVEWAY
- STRUCTURE / ROOFTOPS
- CONTRIBUTING AREAS TO BMP
- VEGETATED FILTER STRIP
- V.S.-1 VEGETATED STRIP NUMBER 1
- —1200— EXISITNG CONTOURS
- —1200— PROPOSED CONTOURS



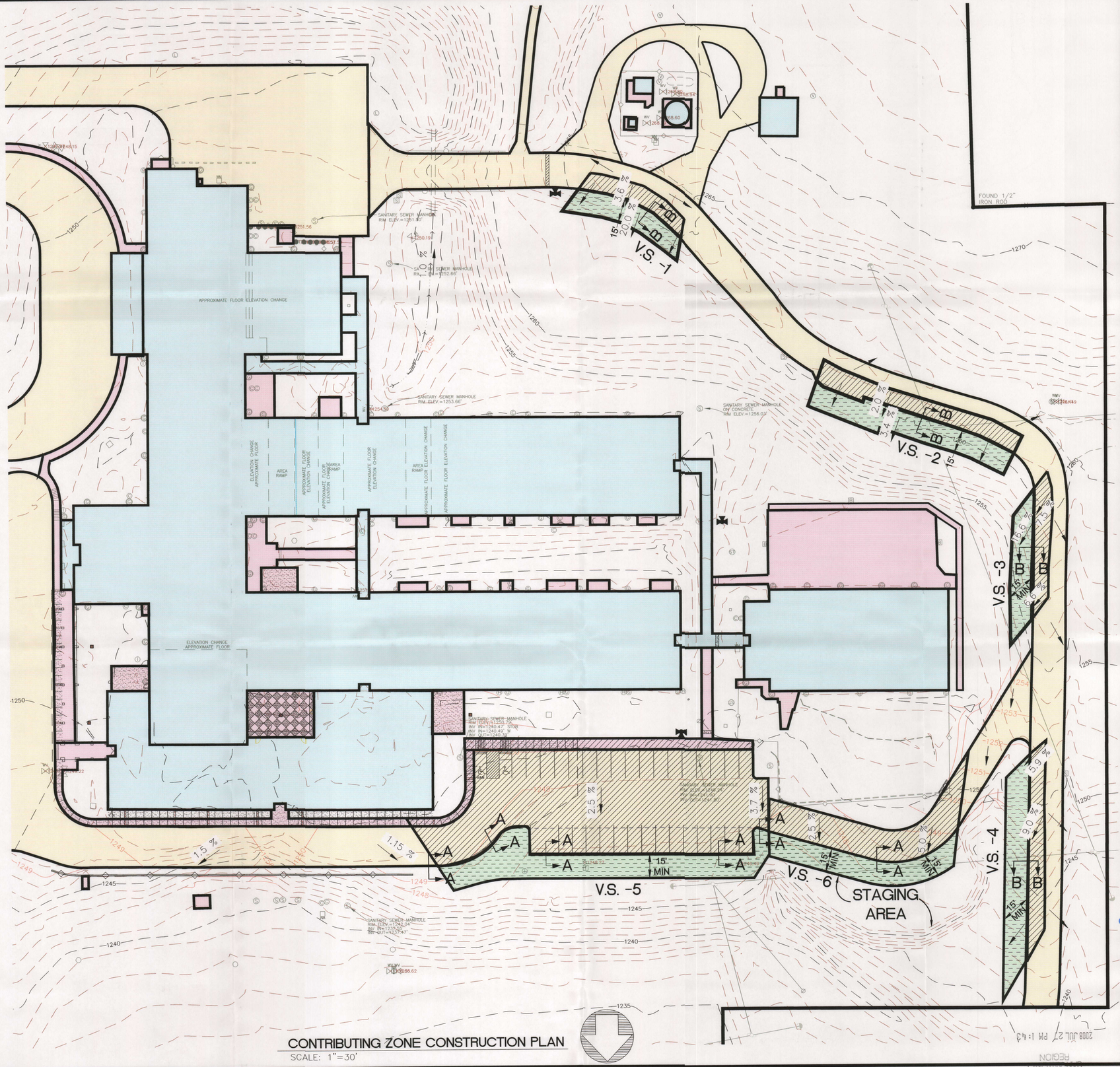
A-A VEGETATIVE FILTER STRIP ADJACENT TO HEADER CURB

N.T.S.



B-B VEGETATIVE FILTER STRIP WITH NO CURB

N.T.S.



CONTRIBUTING ZONE CONSTRUCTION PLAN
SCALE: 1"=30'

NO.	DATE	REVISIONS DESCRIPTION	BY

PROJ. #	DSN. BY:	DWN. BY:	CHKD. BY:	DATE:
070180	S.C.	J.U.	D.A.M.	5/24/07

MOY CIVIL ENGINEERS
TEL: (210) 698-5051
FAX: (210) 698-5085
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249

STATE OF TEXAS
DUANE A. MOY
68258
REGISTERED PROFESSIONAL ENGINEER
7/26/07

ARLON SEAY SCHOOL

CONTRIBUTING ZONE CONSTRUCTION PLAN

SHEET 3
OF 3

P:\Arlon Seay School\dwg\Exhibit\7.1_CZP_Rev.dwg

CONTRIBUTING ZONE PLAN APPLICATION
for
ARLON SEAY SCHOOL
Spring Branch, TX

Prepared for
Comal Independent School District

May 2007

MOY
CIVIL
ENGINEERS

INDEX

Contributing Zone Plan Application

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

Regulated Entity Name: **Arlon Seay Elementary School**
County: **Comal** Stream Basin: **Lewis Creek**

1. ____ Regulated activities on this site will disturb at least 5 acres.
   X Regulated activities on this site will disturb less than 5 acres and are part of a larger common plan of development or sale with the potential to disturb cumulatively five or more acres.

2. Customer (Applicant):

MAY 25 2007

Contact Person:	Thomas Bloxham
Title:	Assistant Superintendent of Support Services
Entity:	Comal Independent School District
Mailing Address:	1404 I-35 N
City, State: Zip:	New Braunfels, Texas 78130
Telephone:	830-221-2184 FAX: 830-221-2009

Agent/Representative (If any):

Contact Person:	Duane A. Moy, P.E.
Title:	President
Entity:	Moy Civil Engineers
Mailing Address:	12770 Cimarron Path, Suite 100
City, State: Zip:	San Antonio, Texas 78249
Telephone:	210-698-5051 FAX: 210-698-5085

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

4. The location of the project site is described below. Sufficient detail and clarity has been provided so hat the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.
   Along Hwy 46, west of Hwy 281, enter drive to Spring Branch Middle School and Arlon Seay is located behind Spring Branch Middle School.

5. X **ATTACHMENT A - Road Map.** A road map showing directions to and the location of the project site is found as at the end of this form.

6. X **ATTACHMENT B - USGS Quadrangle Map.** A copy of the a USGS Quadrangle Map (Scale: 1" = 2000') is found at the end of this form. The map(s) clearly shows:
   X Project site boundaries.
   X USGS Quadrangle Name(s).

7. X **ATTACHMENT C - Project Narrative.** A detailed narrative description of the proposed project is found at the end of this form.

8. 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)
   __X__ Other: **Existing School Site**

PROJECT INFORMATION

9. The type of project is:
   _____ Residential: # of Lots: _____
   _____ Residential: # of Living Unit Equivalents: _____
   _____ Commercial
   _____ Industrial
   __X__ Other: **Educational**

10. Total project area (size of site): **20.29** Acres
    Total disturbed area: **4** Acres

11. Projected population: **800 Students, 80 Staff**

12. The amount and type of impervious cover expected after construction is complete is shown below:
    (Increase in impervious cover to the site is 0.39 acres.)

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	**89,241**	÷ 43,560 =	**2.05**
Parking/Drives	**124,129**	÷ 43,560 =	**2.85**
Other Paved Surfaces (Miscellaneous concrete pads, walkways)	**21089**	÷ 43,560 =	**0.47**
Total Impervious Cover	**234,459**	÷ 43,560 =	**5.37**
		Total Impervious Cover ÷ Total Acreage x 100 =	**26.47 %**

13. __X__ **ATTACHMENT D - Factors Affecting Surface Water Quality.** A description of factors that could affect surface water quality is found as at the end of this form. If applicable, this should included the location and description of any discharge associated with industrial activity other than construction.

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

FOR ROAD PROJECTS ONLY

Complete questions 15-20 if this application is exclusively for a road project.

15. 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.

16. Type of pavement or road surface to be used:
    _____ Concrete
    _____ Asphaltic concrete pavement
    _____ Other:

17. Length of Right of Way (R.O.W.): _____feet.
    Width of R.O.W.: _____feet.
    L x W = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____acres.

18. Length of pavement area: _____feet.
    Width of pavement area: _____feet.
    L x W = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____acres.
    Pavement area _____ acres ÷ R.O.W. area _____acres x 100 = _____% impervious cover.

19. _____ A rest stop will be included in this project.
    _____ A rest stop will **not** be included in this project.

20. _____ 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

21. __X__ **ATTACHMENT E - Volume and Character of Stormwater.** A description of the volume and character (quality) of the stormwater runoff which is expected to occur from the proposed project is found at the end of this form. The estimates of stormwater runoff quality and quantity are based on area and type of impervious cover. The runoff coefficient of the site for both pre-construction and post-construction conditions is included.

WASTEWATER TO BE GENERATED BY THE PROPOSED PROJECT

22. Wastewater will be disposed of by:
    __X__ On-Site Sewage Facility (OSSF/Septic Tank):

    ATTACHMENT F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's written approval is provided at the end of this form. 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, or it identifies those areas that are not suitable for the use of private sewage facilities. The system will be designed by a licensed professional engineer or a registered sanitarian and installed by a licensed installer in compliance with 30 TAC §285.

    The site is serviced by an existing on-site sewage facility. A copy of the permit for the sewage facility is included as Attachment F.

_____ Sewage Collection System (Sewer Lines):
Wastewater is to be disposed of by conveyance to the _____(name) treatment plant for treatment and disposal. The treatmentfacility is:
_____ existing.
_____ proposed.

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

FOR PERMANENT ABOVEGROUND STORAGE TANKS (ASTs) > 500 GALLONS
Complete questions 23-29 if this project includes the installation of AST(s) with volume(s) greater than 500 gallons. NOT APPLICABLE

23. Tanks and substance stored:

AST Number	Size (Gallons)	Substance to Stored	Tank Material
1			
2			
3			
4			
5			
Total		X 1.5 =	gallons

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

_____ **ATTACHMENT G - Alternative Secondary Containment Methods.** Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are found at the end of this form.

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

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

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

27. _____ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of _____.

28. **ATTACHMENT H - AST Containment Structure Drawings.** A scaled drawing of the containment structure is found at the end of this form that shows the following:
_____ Interior dimensions (length, width, depth and wall and floor thickness).
_____ Internal drainage to a point convenient for the collection of any spillage.
_____ Tanks clearly labeled
_____ Piping clearly labeled
_____ Dispenser clearly labeled

29. Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.
_____ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.
_____ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

SITE PLAN

Items 30 through 41 must be included on the Site Plan.

30. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = **60 '**.

31. 100-year floodplain boundaries

_____ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
X 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):
FEMA Map Number 485463 0035 C, Dated September 29, 1986

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

33. __X__ A drainage plan showing all paths of drainage from the site to surface streams.
See Attachment E for Drainage Plan.

34. __X__ The drainage patterns and approximate slopes anticipated after major grading activities.

35. __X__ Areas of soil disturbance and areas which will not be disturbed.

36. __X__ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

37. __X__ Locations where soil stabilization practices are expected to occur.

38. __N/A__ Surface waters (including wetlands).

39. ____ Locations where stormwater discharges to surface water.
__X__ There will be no discharges to surface water.

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

41. ____ Permanent aboveground storage tank facilities.
__X__ Permanent aboveground storage tank facilities will not be located on this site.

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

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

43. __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.
__X__ 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 provided below

_____
_____
_____

44. __X__ 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.

45. __X__ 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.

_____ This site will be used for low density single-family residential development and has 20% or less impervious cover.
_____ This site will be used for low density single-family residential development but has more than 20% impervious cover.
__X__ This site will not be used for low density single-family residential development.

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

_____ **ATTACHMENT I - 20% or Less Impervious Cover Waiver.** This 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 found at the end of this form.
__X__ This site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
_____ This site will not be used for multi-family residential developments, schools, or small business sites.

47. **ATTACHMENT J - BMPs for Upgradient Stormwater.**

_____ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is provided as **ATTACHMENT J** at the end of this form.
__X__ If no surface water, groundwater or stormwater originates upgradient from the site and flows across the site, an explanation is provided as **ATTACHMENT J** at the end of this form.
_____ If 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, an explanation is provided as **ATTACHMENT J** at the end of this form.

48. **ATTACHMENT K - BMPs for On-site Stormwater.**

__X__ 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 provided as **ATTACHMENT K** at the end of this form.
_____ If 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, an explanation is provided as **ATTACHMENT K** at the end of this form.

49. __X__ **ATTACHMENT L - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams is provided at the end of this form.

50. X **ATTACHMENT M - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information have been signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed permanent BMPs and measures are provided at the end of this form. Design Calculations, TCEQ Construction Notes, all proposed structural measures, and appropriate details must be shown on the construction plans.

51. X **ATTACHMENT N - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is provided at the end of this form. The plan has been prepared and certified by the engineer designing the permanent BMPs and measures. The plan has been signed by the owner or responsible party. The plan includes procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofits as well as a discussion of record keeping procedures.

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

____ Pilot-scale field testing (including water quality monitoring) may be required for BMPs that are not contained in technical guidance recognized by or prepared by the executive director.

ATTACHMENT O - Pilot-Scale Field Testing Plan. A plan for pilot-scale field testing is provided at the end of this form.

53. X **ATTACHMENT P - Measures for Minimizing Surface Stream Contamination.** A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is provided at the end of this form. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity which increase erosion that results in water quality degradation.

Responsibility for maintenance of permanent BMPs and measures after construction is complete.

54. X 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.

55. X 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 nonresidential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

ADMINISTRATIVE INFORMATION

56. __X__ One (1) original and three (3) copies of the complete application have been provided.

57. __X__ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.

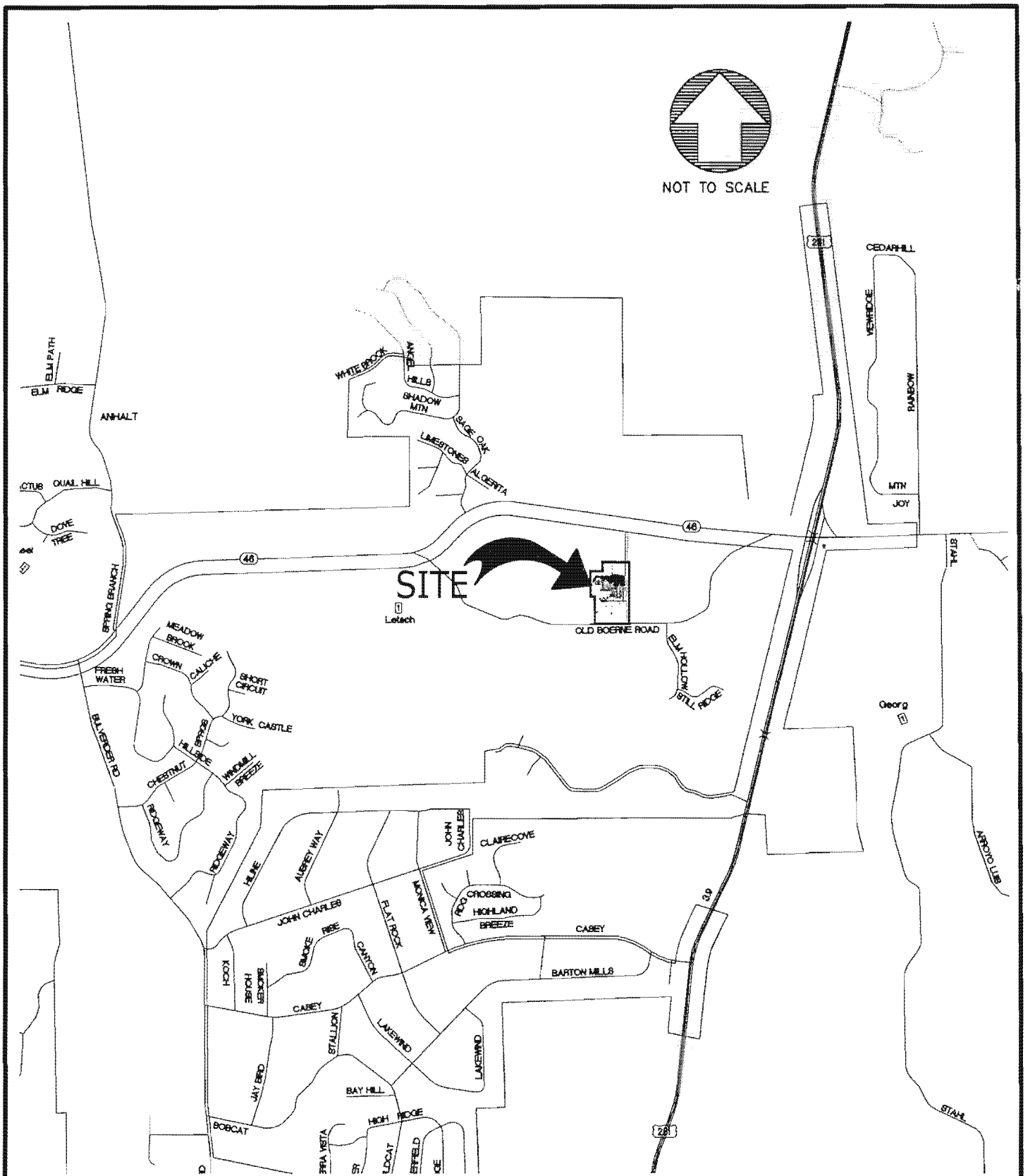
58. __X__ The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.

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

Duane A. Moy, P.E.
Print Name of Customer/Agent

Duane A Moy, P.E. 5/23/07
Signature of Customer/Agent Date

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.



ARLON SEAY ELEMENTARY SCHOOL

ATTACHMENT A

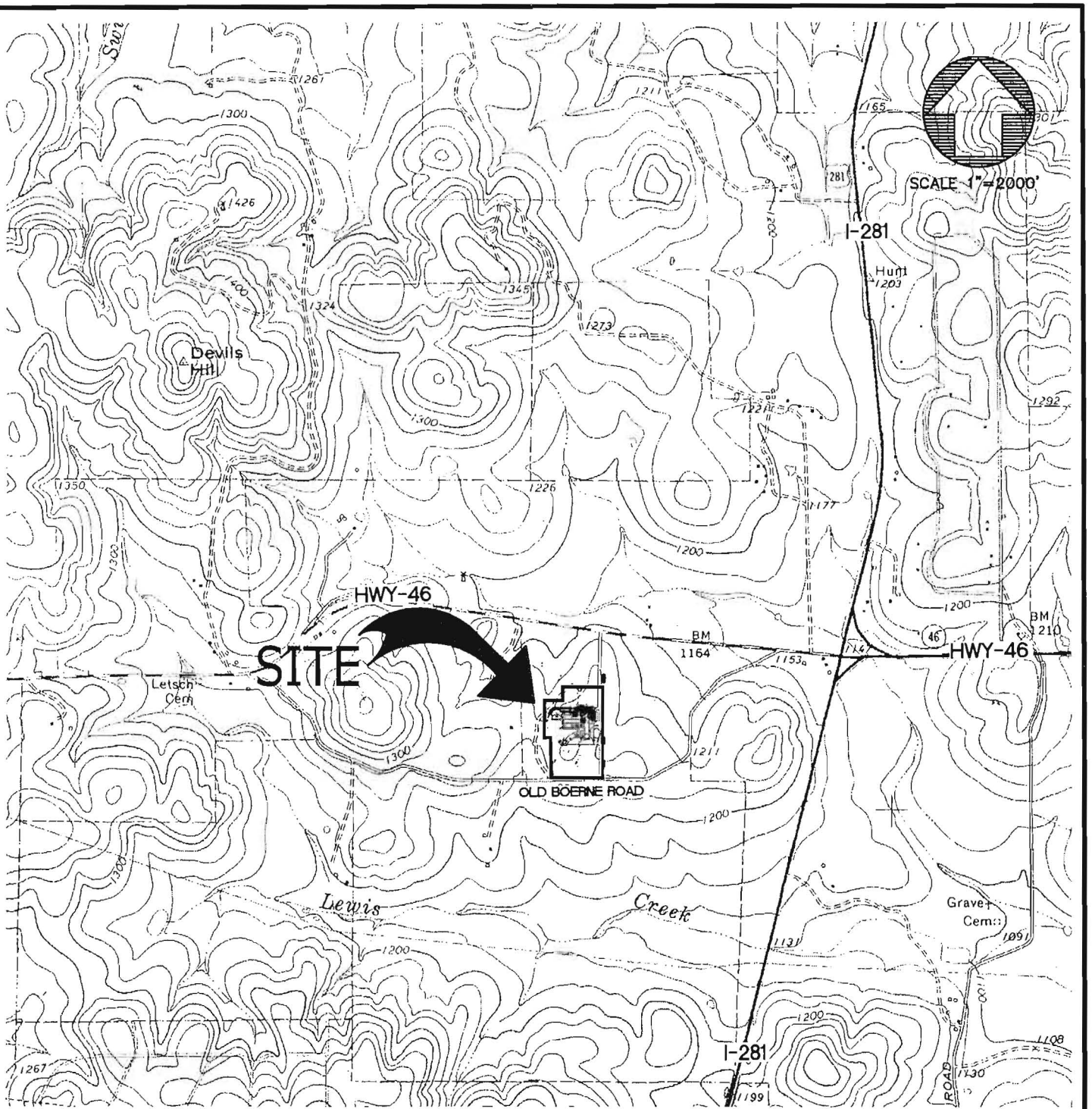
SITE LOCATION

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

R:\Arlon Seay School\dwgs\Exhibits\location map.dwg

DATE: 5/7/07

PROJ. #:070180



ARLON SEAY SCHOOL

ATTACHMENT B

(SOURCE: USGS "Anhalt" quadrangle)

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

R:\Arlon Seay School\dwgs\Exhibits\usgs map.dwg

DATE: 5/7/07

PROJ. #: 070180

ATTACHMENT C
PROJECT DESCRIPTION

The proposed project consists of renovations and improvements to an existing school known as the Arlon Seay Elementary School. The school is located at 20911 State Highway 46 W, Spring Branch, TX 78070 and is part of the Comal Independent School District. The school site is located along Hwy 46, west of the intersection with Hwy 281, and adjacent to and south of Spring Branch Middle School.

The project site is 20.29 acres and is located entirely within the Contributing Zone of the Edwards Aquifer. The project will consist of a building addition of approximately 12,000 sq. ft, and associated paving, sidewalk and grading construction.

The existing impervious cover on-site is 4.98 acres. After the improvements are made, the impervious cover on-site will be 5.37 acres. Total increase in impervious cover is 0.39 acres.

Per the Technical Guidance Manual, *"Under 30TAC Chapter 213, 80% of the increase in TSS load resulting from development* (over background) *must be removed."* Vegetative filter strips are proposed as permanent BMPs to treat the increase in TSS load from stormwater runoff originating on-site. The treated stormwater will continue to sheetflow as it currently does.

ATTACHMENT D
FACTORS AFFECTING SURFACE WATER QUALITY

Factors affecting surface water quality are landscaping, vehicular traffic, and various construction activities on the site. These factors may cause small amounts of oil, grease, suspended solids, fertilizers, and pesticides to enter into the stormwater runoff.

However, temporary and permanent BMPs have been designed, using the current 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 E
VOLUME AND CHARACTER OF STORMWATER

Character of Stormwater

Stormwater runoff will be generated from rooftops, parking area, sidewalks, landscape, and field/pervious areas from the site. The runoff may contain small amount of oil, grease, suspended solids, fertilizers and pesticides. However, both permanent and temporary BMPs have been designed on the basis of the current Technical Guidance Manual to treat the required volume and character of stormwater runoff to remove at least 80% of the increased total suspended solids due to the proposed development.

Volume of Stormwater

Arlon Seay Elementary School is located near the top of a small rise. Also, the project site is divided into two drainage areas. See attached drainage area map. About 9 acres flows northward towards Spring Branch Middle School and Highway 46, and the remaining area of 11.29 acres flows southeastward.

The area of improvements is located within the 9 acre drainage area. There is a swale/ditch located along the rear drive (on the west side of the site) that diverts the stormwater around the existing school and the area of disturbance. Therefore, there is no upgradient stormwater that flows onto the area of the proposed addition area.

Stormwater Runoff for the Drainage Area That Flows Northward

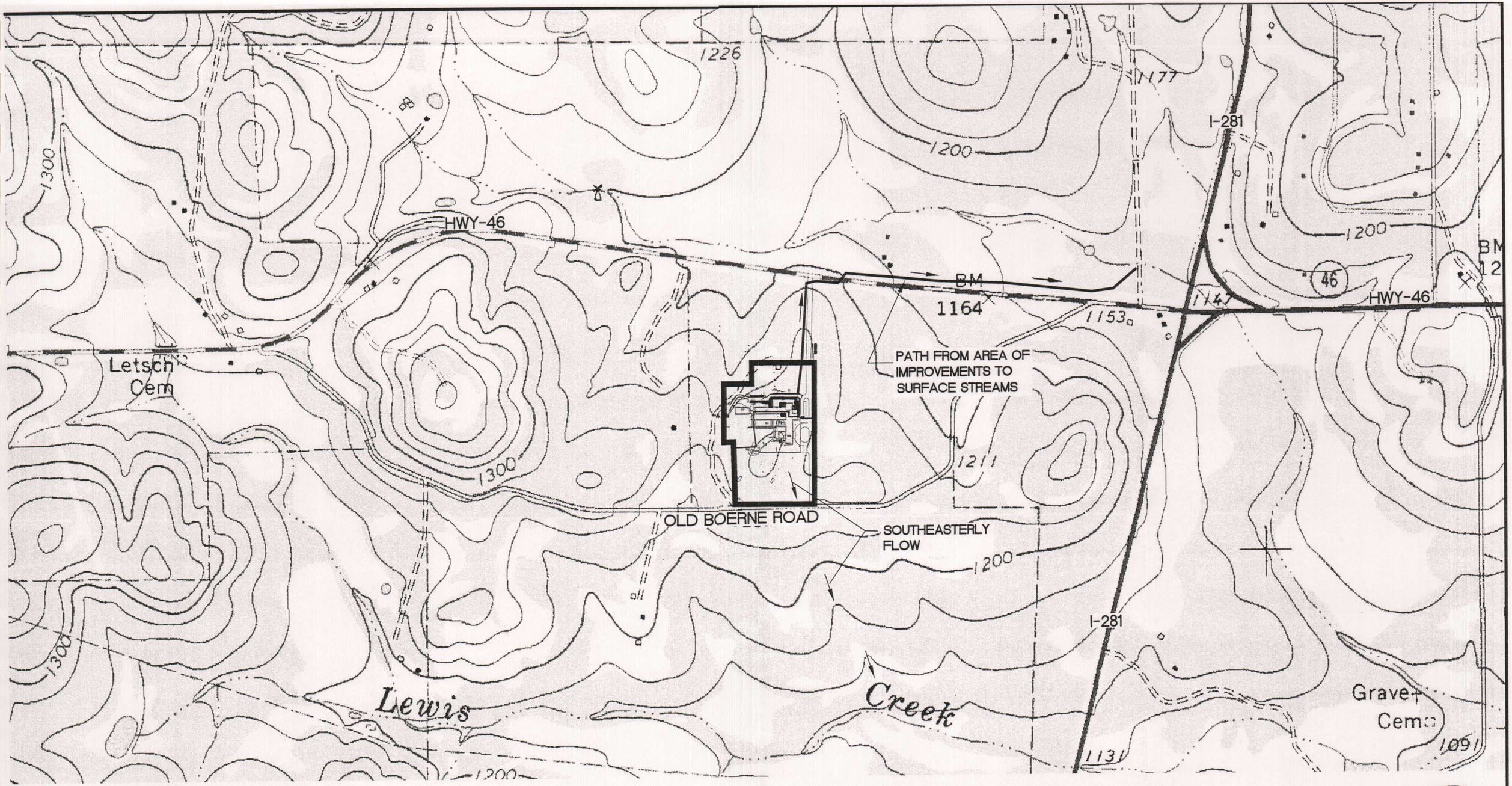
Pre-Development: Runoff Coefficient = 0.69, I_{25} = 9.27 in/hr A= 9 acres Q_{25} = 57.6 cfs
Post –Development: Runoff Coefficient = 0.705, I_{25} = 9.27 in/hr A = 9 acres Q_{25} = 68.8 cfs

The runoff increase is negligible. The stormwater runoff will continue in the same patterns as it does currently. The storm water runoff, from the area of improvements, sheet flows across a distance of approximately 500 linear feet. The storm water will then traverse over a distance of about 300 feet before reaching the northern edge of the project site.

Stormwater Runoff for the Drainage Area That Flows Southward

No improvements are proposed on the 11.29 acre drainage area that flows toward the southeast. There will be minor regrading in an existing swale to ensure that the swale has positive flow. This area will be re-vegetated. There will be no increase in impervious area, and the stormwater runoff will continue to flow as it currently does.

Pre-Development: Runoff Coefficient = 0.68, I_{25} = 9.27 in/hr A= 11.29 acres Q_{25} = 69.3 cfs
Post –Development: Runoff Coefficient = 0.68, I_{25} = 9.27 in/hr A = 11.29 acres Q_{25} = 69.3 cfs



ARLON SEAY SCHOOL

SCALE 1"=800'

ATTACHMENT E
DRAINAGE AREA MAP

MOY
CIVIL
ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

R:\Arlon Seay School\dwgs\Exhibits\usgs map.dwg

DATE: 5/8/07

PROJ. #:070180

PERMIT NO WQ0013812002

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This is a renewal of
Permit No. 13812-002
issued August 22, 2000.

PERMIT TO DISCHARGE WASTES
under provisions of Chapter 26
of the Texas Water Code

Permittee:

Comal Independent School District ASIS

278 Loop 337
New Braunfels, Texas 78130-3220

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 8211

General Description and Location of Waste Disposal System:

Description: The Arlon Seay Intermediate School Wastewater Treatment Facilities consist of a septic tank and low pressure drip irrigation system on 1.65 acres of non-public access land. The facility includes a grease trap, septic tanks, pump tank (storage), and drip irrigation fields, consisting of six (6) 12,000 square foot sections on 1.65 acres of non-public access land. The permittee is authorized to dispose of treated domestic wastewater effluent at a volume not to exceed a daily average flow of 0.0068 million gallons per day (MGD) via low pressure drip irrigation of 1.65 acres of non-public access land. Application rates shall not exceed 0.10 gallons per square foot per day.

Location: The wastewater treatment facilities and disposal site are located approximately 5,000 feet west of the intersection of State Highway 46 and U.S. Highway 281, approximately 1,000 feet south of State Highway 46 in Comal County, Texas. (See Attachment A.)

Drainage Area: The disposal site is located in the drainage area of Upper Cibolo Creek in Segment No. 1908 of the San Antonio River Basin. No discharge of pollutants into water in the State is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight on March 1, 2015.

ISSUED DATE: MAR 07 2005

For the Commission

D → ASIS Wastewater System Permit / renewal

ATTACHMENT F

PERMIT NO. 13812-002

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

This is a renewal of Permit No. 13812-002 issued October 18, 1996.

PERMIT TO DISPOSE OF WASTES
under provisions of Chapter 26
of the Texas Water Code

I. Permittee

Comal Independent School District

1421 N. Business 35
New Braunfels, Texas 78130

II. Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 8211

III. General Description and Location of Waste Disposal System:

Description: The Arlon R. Seay Intermediate School Wastewater Treatment Facilities consist of a septic tank and low pressure drip irrigation system on 1.65 acres of non public access land. Treatment units include a grease trap, septic tanks, pump tank (storage), and drip irrigation fields, consisting of six (6) 12,000 square feet sections on 1.65 acres of non public access land. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 6,800 million gallons per day (MGD) via low pressure drip irrigation of 1.65 acres of non public access land. Application rates shall not exceed 0.10 gallons per square foot per day.

Location: The wastewater treatment facilities and disposal site are located approximately 5,000 feet west of the intersection of State Highway 46 and U.S. Highway 281, approximately 1,000 feet south of State Highway 46 in Comal County, Texas. See Attachment A.

Drainage Area: The disposal site is located in the drainage area of Upper Cibolo Creek in Segment No. 1908 of the San Antonio River Basin. No discharge of pollutants into water in the State is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight on March 1, 2005.

ISSUED DATE: AUG 22 2000

For the Commission

ATTACHMENT J
STORMWATER ORIGINATING UPGRADIENT FROM THE SITE

There is no upgradient stormwater that flows onto the area of improvements.

Arlon Seay Elementary School is located near the top of a small rise. Also, the project site is divided into two drainage areas. Approximately 9 acres flows northward towards Spring Branch Middle School and Highway 46, and the remaining area of 11.29 acres flows southeastward.

The area of improvements is located within the 9 acre drainage area. There is a swale/ditch located along the rear drive (on the west side of the site) that diverts the stormwater around the existing school and the area of disturbance. Therefore, there is no upgradient stormwater that flows onto the area of the proposed addition area.

ATTACHMENT K
BMP'S FOR ON-SITE STORMWATER

The BMPs employed to prevent pollution from stormwater originating on-site are vegetative filter strips. The water quality volume will receive treatment as it flows across the filter strips, where at least 80% of the increased TSS load generated by the site will be removed. These BMPs are designed in accordance with the design criteria set forth in the current TCEQ Technical Guidance manual.

Anticipated pollutants can be oil and grease from vehicles as well as suspended solids and sediments that are transported by vehicles entering the site and that are transported through the air and accumulate on impervious cover surfaces.

ATTACHMENT L
BMPS FOR SURFACE STREAMS

There are no surface streams on the project site. Therefore, it is not necessary to implement any additional permanent BMPs or measures other than the proposed vegetative filter strips.

ATTACHMENT N
Inspection, Maintenance, Repair and Retrofit Plan

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 the first few months after it is planted. Once established, all vegetated BMPs require some basic maintenance to insure the health of the plants including:

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 of turf grass, it should be mowed as needed to limit vegetation height to 6 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 of 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 that may accumulates in filter strip areas should be removed. 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 or 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.

Thomas Bloxham
Print Name of Applicant/Owner

Signature of Applicant/Owner/Agent

5-9-07
Date

ATTACHMENT P
Measures for Minimizing Surface Stream Contamination

No surface streams exist within the project site. The storm water flows discharging from the site will continue to flow as they currently do. Stormwater from the site will enter off-site surface streams in the same manner that it did prior to the improvements to the site.

The storm water runoff, from the area of improvements, sheet flows across a distance of approximately 500 linear feet. The storm water will then traverse over a distance of about 300 feet before reaching the northern edge of the project site. The runoff velocity after construction will be less than 6.0 ft/sec at any point along the northern edge of the project site, and across grassy surfaces. Both permanent and temporary BMPs, as shown on the Contributing Zone Plan, shall be used to minimize contamination to surface streams, both during and after construction. There will be no adverse affects to downstream surfaces or streams.

STORM WATER POLLUTION PREVENTION PLAN

T.P.D.E.S. GENERAL PERMIT-TXR 150000

Arlon Seay Elementary School

Spring Branch, TX

May, 2007

MOY CIVIL ENGINEERS

12770 Cimarron Path, Ste. 100, San Antonio, TX. 78249

Phone: (210) 698-5051 Fax: (210) 698-5085

Index

- SWPPP
  - Narrative
  - Description and Timing of Erosion and Sediment Controls
  - Sequence of Major Soil Disturbing Activities
  - Erosion and Sedimentation Maintenance Practices
  - Erosion and Sedimentation Miscellaneous Pollution Controls
  - Non-Construction Stormwater Discharge
  - Allowable Non-storm Water Discharge
  - Endangered Species
  - Summary of Permit Requirements
  - Location Map
  - USGS Map
  - Soils Survey Map
  - Maintenance Logs
  - Stormwater Pollution Prevention Plan Drawing

- TPDES General Permit
- Notice of Intent

I. General

A. TPDES Permit #:

B. OWNER/ AGENT Information:
NAME: COMAL INDEPENDENT SCHOOL DISTRICT
CONTACT PERSON: THOMAS BLOXHAM
ADDRESS: 1404 I-35 N
CITY: NEW BRAUNFELS STATE: TX ZIP: 78130

C. Name and telephone number of a local contact (Contractor Information):

NAME _____
COMPANY: _____
PHONE: _____
ADDRESS: _____

D. A brief description of the project.

The proposed project consists of an addition and improvements to an existing school known as Arlon Seay School, which is part of the Comal Independent School District. The school is located at 20911 State Highway 46 W, Spring Branch, TX 78070.
LATITUDE/ LONGITUDE: 29° 47' 35" N / 98° 25' 14" W

The project will consist of an addition to the building and construction, excavation and grading normally associated with new building construction; as well as the installation of a new storm drain and water systems; connection to the existing sewer system, gas, and electric, cable/TV utilities, construction of associated concrete sidewalks and parking areas.

a. Location of SWPPP if not on site:

A copy of the SWPPP will be kept on the construction site.

An additional copy of the SWPPP will me maintained at the office of the engineer.

E. Contents of SWPPP:

b. A description of the nature of the construction activity, potential pollutants and sources:

General site work: including excavation and grading, utility construction, asphalt pavement and concrete sidewalk construction.

c. A description of the intended schedule or sequence of major activities that will disturb soils for major portions of the site.

i. Demolition/Clearing
ii. Excavation and rough grading of the site
iii. Stockpiling of materials, sand and topsoil
iv. Construction of utilities
v. Excavation and subgrade preparation for building footings/slab
vi. Subgrade and base preparation for pavement
vii. Construction of sitework (sidewalks, pavement, etc.)
viii. Landscaping

d. The total number of acres of the entire property and the total number of acres where construction activities will occur, including off-site material storage areas, overburden and stockpiles of dirt, and borrow areas:

The project site is 20.29 acres.
The disturbed area is approximately 4 acres.

e. Data describing the soil or the quality of any discharge from the site:

The soil type in the area of improvements, according to "Soil Survey", includes:
BrB – Bolar Clay Loam, 1 to 3 percent slopes
See attached map.

Due to erosion and sedimentation measures described below and the stabilization and BMP measures that will be provided, any discharge from the site should be free of pollutants.

f. A map showing the general location of the site:

See Attached map.

g. A detailed site map (or maps) indicating the following:

i. Drainage patterns and approximate slopes anticipated after major grading activities;

Post-construction slopes are between and 1% and 25%. See attached plan for drainage patterns.

ii. Areas where soil disturbance will occur;

The indication of the heavy contour lines and location of proposed improvements will indicate the areas where there will be soil disturbance. See attached plan.

iii. Locations of all major structural controls either planned or in place;

The temporary controls will be the use of silt fencing, stabilized construction entrances, pea gravel bags at inlets and rock berms at concentrated outlets. The proposed storm drain system will route drainage. The temporary erosion control features are indicated on the Storm Water Pollution Prevention Plan.

iv. Locations where stabilization practices are expected to be used;

Post construction soil stabilization will be with native grasses.

v. Locations of off-site material, waste, borrow, fill, or equipment storage areas;

Off-site materials will be stockpiled and moved occasionally for the construction of permanent improvements. Activities will be concentrated on the areas of the proposed improvements and will be removed as final improvements are constructed. The equipment storage areas will be shifted from time to time from off-site to on-site.

vi. Surface waters (including wetlands) either adjacent or in close proximity; and

There are no surface waters within the project site/ construction areas.

vii. Locations where storm water discharges from the site directly to a surface water body.

The drainage path for this activity will ultimately discharge into Lewis Creek.

h. The location and description of asphalt plants and concrete plants providing support to the construction site and authorized under this general permit.

All construction materials and concrete will be brought in from off-site.

i. The name of receiving waters at or near the site that will be disturbed or that will receive discharges from disturbed areas of the project.

Lewis Creek.

j. A copy of the TPDES general permit

See Attached.

k. Runoff Coefficient Data:

Pre-construction runoff coefficient: 0.69
Post-construction runoff coefficient: 0.705

F. Controls

a. Erosion and Sediment controls

i. Stabilization Practices: (*temporary vegetation, permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation are some stabilization practices)*

1. Description of interim practices: N/A

a. When:

b. Where:

c. Why:

2. Description of permanent practices: Seed/Sod

a. When: Post Construction

b. Where: All areas that remain natural ground after construction is complete.

c. Why: To mitigate the total suspended solids.

ii. Structural Practices: (*silt fences, earth dikes, drainage, swales, sediment traps, check dams, subsurface rains, pipe slope drains, level spreaders, Storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, and temporary or permanent sediment basins are some structural practices.)*

1. Describe practices to divert flows from exposed soils:

The site will be equipped with silt fencing, gravel bags and rock berms to perform temporary sedimentation and erosion controls until the area is stabilized.

a. When: See attached "Description and Timing of Erosion and Sediment Controls" and "Sequence of Major Soil Disturbing Activities" for detailed description of sedimentation and erosion control measures.

b. Where: They will be constructed at downstream locations and at concentrated flow locations. See attached plan.

c. Why: To mitigate the total suspended solids.

b. Storm Water Management:

i. Description of measures to be installed to control pollutants in storm water discharges that will occur after construction has ended. [*storm water detention structures (including wet ponds) storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on site, and a sequential systems (more than one combined)*]

Permanent measures that will be in place to control pollutants after construction of pervious areas are seed/sod of all disturbed areas.

ii. Explanation why systems were selected to control pollution where flows exceed predevelopment levels.

Sheet flow areas will be vegetated with native grasses; concentrated flow areas will be handled by vegetative swales. Velocity of runoff will be less than 6 ft/sec. The best management practices proposed have been proven capable of accommodating sites with minimal velocities and small drainage areas.

c. Other Controls:

i. Description of construction and waste materials stored on site

Typical building materials for construction of a new building. Any waste material generated will be stockpiled for periodic removal.

ii. Description of controls to minimize pollution from these materials

The stockpiling of hazardous material will not be allowed. Downstream treatment from other stockpile materials shall consist of silt fencing and vegetative growth.

iii. Spill Prevention and Response Plans

Spills from construction equipment shall be isolated and removed from the site to an approved dump location.

iv. Description of other pollutant sources such as asphalt and concrete plants and controls to minimize pollutant discharges.

There are no other known pollutant sources.

d. Maintenance

BMPs must be maintained in effective operating condition, any repairs must be made before the next rain event or as soon as practicable. See attached "Erosion and Sedimentation Maintenance Practices".

e. Inspections

Inspector's qualifications provided every 14 calendar days and within 24 hours of 0.5" or greater rainfall event

i. Check disturbed areas and storage areas exposed to precipitation or that have not been finally stabilized.
ii. Check sediment and erosion controls
iii. Check discharge points for visible signs of erosion and impact to receiving waters
iv. Check entrances and exits for evidence of off site sediment tracking.
v. Modify SWPPP as necessary
vi. Summarize scope of inspection including:

1. Date and major observations
2. Location of any discharge off the site
3. Location of BMPs needing maintenance
4. Location of BMPs that failed to work
5. Location where new BMPs are needed

vii. Certify Non-compliance or compliance with a qualified inspector's signature.
viii. The inspector shall have authority to require immediate action of the part of the contractor to correct any non-conforming items found during inspections or to require revisions to the erosion and sedimentation (E&S) controls if appropriate. If revisions are needed, they shall be implemented within seven (7) calendar days after the date of inspection.
ix. The E & S inspector will provide written reports covering all items/areas inspected and outlining corrective measures if any.
x. All plans, inspection reports, and construction site notices shall re retained by the contractor for a period of at least three (3) years from the date that site is finally stabilized or as otherwise directed by the TCEQ.

G. Non-Storm Water Discharges

Non-storm water discharges occur on site at concrete washout points. The non-storm water discharges shall be monitored for determining compliance with numeric effluent limitations, listed below, and recorded on a discharge monitoring report (Attachment 3 of TPDES General Permit TXR 150000). Monitoring must be conducted prior to December 31st for each monitoring period.

	Numeric Effluent Limitations	
Parameter	Daily Maximum	Monitoring Frequency
Total Suspended Solids	65 mg/l	1/Year*
Oil and Grease	15 mg/l	1/Year*
Ph	Between 6 & 8 std. units	1/Year*

* If discharge occurs

If test results indicate the violation of one or more of these numeric limitations, the permittee must also submit the discharge monitoring report to the TCEQ's Information Resource Center (MC 212) by March 31st of each annual monitoring period.

DESCRIPTION AND TIMING OF EROSION AND SEDIMENT CONTROLS

TEMPORARY STABILIZATION SHALL CONSIST OF TEMPORARY SEEDING OF DISTURBED AREAS THAT ARE DENUDED BEYOND 14 DAYS WITHOUT CONSTRUCTION RESTART WITHIN 21 DAYS.

PERMANENT STABILIZATION SHALL CONSIST OF BUILDINGS, PAVEMENT, MULCHED LANDSCAPE AREAS, SODDED AREAS, AND HYDROMULCHED SEEDED AREAS. THE TIMING OF PERMANENT STABILIZATION SHALL BE AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES IN SPECIFIC AREAS WHERE SUCH STABILIZATION WILL OCCUR.

TEMPORARY STRUCTURAL CONTROLS INCLUDE THE INSTALLATION OF SILT FENCE AT NON-CONCENTRATED DISCHARGE LOCATIONS, PLACEMENT OF BAGGED GRAVEL INLET FILTERS AROUND PROPOSED INLET STRUCTURES, AND CONSTRUCTION OF TEMPORARY CONSTRUCTION ENTRANCE/EXIT(S). THESE CONTROLS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY.

SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

1. INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCES/EXIT (SCE)
   - ** STABILIZATION -- N/A
   - ** STRUCTURAL -- STABILIZED CONSTRUCTION ENTRANCE/EXIT (ITEM 1)
   - ** IMPLEMENTATION -- IMMEDIATELY FOLLOWING REMOVAL OF ENTRANCE OBSTRUCTIONS (IF ANY) AND PRIOR TO ANY OTHER DEMOLITION OR CONSTRUCTION.

2. INSTALLATION OF TEMPORARY EROSION & SEDIMENTATION CONTROLS
   - ** STABILIZATION -- N/A
   - ** STRUCTURAL -- SILT FENCES (ITEM 2)
   - ** IMPLEMENTATION -- PRIOR TO ANY CLEARING, GRADING OR DEMOLITION

3. SITE CLEARING/DEMOLITION

4. CONSTRUCTION OF UTILITIES/ DRAINAGE STRUCTURES
   - ** STABILIZATION -- HYDRO SEED SOIL IF TO BE EXPOSED WITHOUT COVER FOR GREATER THAN 14 DAYS WITHOUT RESTART OF CONSTRUCTION WITHIN 21 DAYS.
   - ** STRUCTURAL -- BAGGED GRAVEL INLET FILTERS AT ALL DRAINAGE INLET STRUCTURES (ITEM 3)
   - ** IMPLEMENTATION – PRIOR TO ANY CONSTRUCTION DELAYS OF 21 DAYS OR GREATER, AND IMMEDIATELY AFTER INSTALLATION

5. BUILDING CONSTRUCTION

6. PARKING LOT CONSTRUCTION
7. INSTALLATION OF PERMANENT EROSION & SEDIMENT CONTROLS
   - ** STABILIZATION -- MULCH, SEED, AND SOD AS REQUIRED BY LANDSCAPE PLANS
   - ** STRUCTURAL -- N/A
   - ** IMPLEMENTATION -- FINAL GRADING AND TOPSOIL INSTALLATION MUST BE COMPLETE PRIOR TO STABILIZATION MEASURES

8. REMOVAL OF EROSION & SEDIMENTATION CONTROLS
   - ** STABILIZATION -- REVEGETATE AREAS DISTURBED BY REMOVAL OF CONTROLS
   - ** STRUCTURAL -- N/A
   - ** IMPLEMENTATION -- AFTER SOIL DISTURBING ACTIVITIES ARE COMPLETE AND DISTURBED AREAS, OTHER THAN AREAS COVERED BY PAVEMENT OR PERMANENT STRUCTURES, SHALL HAVE A UNIFORM

VEGETATIVE COVER WITH A DENSITY OF AT LEAST 70% OR HAVE BEEN STABILIZED BY OTHER MEANS

1. FOR MORE DETAILED SEQUENCE OF CONSTRUCTION, SEE THE CONTRACTOR'S CONSTRUCTION CHART POSTED IN THE CONSTRUCTION OFFICE. (ON SITE)

EROSION AND SEDIMENTATION MAINTENANCE PRACTICES

1. ALL EROSION AND SEDIMENTATION (E & S) CONTROLS SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR. WRITTEN MAINTENANCE REPORTS SHALL BE PREPARED COVERING ALL INSPECTIONS AND MAINTENANCE AFFECTING E & S CONTROLS. IF REPAIR(S) ARE NECESSARY, THEY SHALL BE COMPLETED WITHIN 7 DAYS AFTER BEING REPORTED.

2. THE TEMPORARY CONSTRUCTION ENTRANCE/EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT/MINIMIZE TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC ROADWAYS. SEDIMENTS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY WILL BE RECOVERED.

3. TEMPORARY AND PERMANENT SEEDING AND PLANTING SHALL BE MAINTAINED TO INSURE THE FOLLOWING:
   - BARE SPOTS ARE FILLED IN
   - WASH-OUTS ARE FILLED IN
   - HEALTHLY GROWTH IS PROMOTED

4. FOR SILT FENCES, ROCK BERMS AND GRAVEL BAGS: WHEN SILT REACHES A DEPTH EQUAL TO THE LESSER OF ½ THE OBSTACLE HEIGHT OR 12", THE SILT SHALL BE REMOVED AND MIXED WITH OTHER SOIL MATERIALS TO BE PLACED WITHIN THE EMBANKMENT AREAS OF THE PROJECT SITE. AFTER CONSTRUCTION IS COMPLETE, ANY REMAINING SILT SHALL BE DISPOSED OF OFF-SITE.

5. ROCK BERMS SHALL BE MAINTAINED/CLEANED BY LIFTING, DROPPING AND RESHAPING STONES AS REQUIRED.

6. SILT FENCES SHALL BE MAINTAINED TO INSURE THE FOLLOWING:
   - TORN FABRIC IS REPLACED
   - LOOSE FABRIC IS PROPERLY RESECURED
   - LOOSE POST SUPPORTS ARE PLUMBED AND STRENGTHENED
   - FABRIC BOTTOM IS BURIED

7. GRAVEL FILTER BAGS SHALL BE MAINTAINED TO INSURE THE FOLLOWING:
   - TORN BAGS ARE REPLACED
   - SPILLED GRAVEL IS REUSED OR REMOVED
   - BAGS ARE POSITIONED TO PROVIDE MAXIMUM COVERAGE

EROSION AND SEDIMENTATION MISCELLANEOUS POLLUTION CONTROLS

1. WASTE-DISPOSAL: ALL WASTE MATERIALS WILL BE COLLECTED IN SECURE CONTAINER(S) UNDER THE CONTROL OF THE CONTRACTOR OF A LICENSED WASTE MANAGER AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED OR LEFT ON SITE.

2. ALL CONSTRUCTION EQUIPMENT EXITS SHALL BE STABILIZED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO REDUCE VEHICLE TRACKING OF SEDIMENTS. ANY PAVED STREETS ADJACENT TO A CONSTRUCTION ENTRANCE WILL BE SWEPT WEEKLY TO REMOVE EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE.

3. CONSTRUCTION HAUL ROADS, IF UTILIZED, SHALL BE BUILT WITH MINIMUM EXCAVATION/FILL AND HAVE A SURFACE LAYER OF CRUSHED STONE OR GRAVEL. CONSTRUCTION ROADS SHALL BE WELL DRAINED WITHOUT PONDING OR BLOCKING RUNOFF.

4. CONTRACTOR SHALL EMPLOY CONSTRUCTION METHODS AND UTILIZED MATERIALS (WITHIN SPECIFICATIONS LIMITS) WHICH WILL MINIMIZE THE GENERATION OF DUST FROM PROJECT CONSTRUCTION. FOR EXCAVATIONS AND GRADING, PROVIDE WATER SPRINKLING AS REQUIRED TO CONTROL DUSTING.

5. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER.

6. ALL SANITARY WASTE(S) WILL BE COLLECTED FROM THE PORTABLE UNITS BY A LICENSED SANITARY WASTE HAUL COMPANY ON A REGULAR BASIS EACH MONTH AS REQUIRED.

7. POLLUTANTS THAT MAY ENTER STORM WATER FROM CONSTRUCTION SITES BECAUSE OF POOR HOUSEKEEPING INCLUDE OILS, GREASE, PAINTS, GASOLINE, CONCRETE TRUCK WASHDOWN, RAW MATERIALS, USED IN THE MANUFACTURER OF CONCRETE (E.G. SAND, AGGREGATE AND CEMENT). SOLVENTS, LITTER, DEBRIS AND SANITARY WASTES. CONSTRUCTION SITE MANAGEMENT PLANS SHALL ADDRESS THE FOLLOWING TO PREVENT THE DISCHARGE OF THESE POLLUTANTS:
   - DESIGNATE AREAS FOR EQUIPMENT MAINTENANCE REPAIR;
   - PROVIDE WASTE RECEPTACLES AT CONVENIENT LOCATIONS AND PROVIDE REGULAR COLLECTION OF WASTES;
   - LOCATE EQUIPMENT WASHDOWN AREAS ON SITE, AND PROVIDE APPROPRIATE CONTROL OF WASHWATERS;
   - PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER POTENTIALLY TOXIC MATERIALS; AND
   - PROVIDE ADEQUATLY MAINTAINED SANITARY FACILITIES.

8. TEMPORARY STOCKPILES OF TOPSOIL, EXCAVATED MATERIAL, FLEXIBLE BASE, ETC. SHALL HAVE A SILT FENCE LOCATED IMMEDIATELY DOWNGRADIENT TO COLLECT SEDIMENT RUNOFF.

NON-CONSTRUCTION STORMWATER DISCHARGE

1. OVERSPRAY OR EXCESS OF IRRIGATION WATERS.
2. FLUSHING OF FIRE HYDRANTS.

ALLOWABLE NON-STORM WATER DISCHARGE

1. OVERSPRAY OR EXCESS OF IRRIGATION WATER.
2. WATER USED FOR MOISTURE CONDITIONING FLEX BASE AND SUBGRADE.
3. PRESSURE WASHING OF BUILDING WALLS.
4. FLUSHING OF FIRE HYDRANTS.

ENDANGERED SPECIES

PLEASE REFER TO THE POSTED NOTICE WHICH BECOMES A PART OF THE STORMWATER POLLUTION PREVENTION PLAN FOR THE CERTIFICATION THAT SITE DISCHARGES WILL NOT AFFECT LISTED ENDANGERED SPECIES OR THEIR HABITAT.

IF ANY ENDANGERED SPECIES ARE FOUND/OBSERVED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) DIVISION OFFICE.

SUMMARY OF PERMIT REQUIREMENTS

IN ASSOCIATION WITH CONSTRUCTION, THE OPERATOR MUST COMPLY WITH THE FOLLOWING REQUIREMENTS OF THE TPDES GENERAL PERMIT:

A. 1. OBTAIN A COPY OF THE GENERAL PERMIT (TPDES PERMIT NO. TXR150000).
   2. DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWP3).
   3. COMPLETE AND POST A COPY OF THE CONSTRUCTION SITE NOTICE. THE NOTICE SHALL BE POSTED IN A LOCATION VISIBLE TO THE GENERAL PUBLIC AS WELL AS REGULATORY AGENCY PERSONEL.

   A COPY OF THE CONSTRUCTION SITE NOTICE SHALL ALSO BE SENT TO THE SAN ANTONIO WATER SYSTEM AT LEAST (2) DAYS PRIOR TO THE START OF CONSTRUCTION. SEND TO:

   TPDES COORDINATOR AND CONSTRUCTION COMPLIANCE
   517 MISSION ROAD
   SAN ANTONIO, TEXAS 78210-3856
   PHONE: (210) 704-1158 FAX: (210) 704-1104

B. THE STORM WATER POLLUTION PREVENTION PLAN MUST BE UPDATED BY THE CONTRACTOR EACH TIME THAT THERE IS A CHANGE IN THE CONSTRUCTION ACTIVITIES AND/OR EROSION CONTROL DEVICES.

C. A SIGNED COPY OF THIS PLAN ALONG WITH COPY OF THE GENERAL PERMIT MUST BE AVAILABLE AT THE SITE AT ALL TIMES. INSPECTION REPORTS MUST BE KEPT UP TO DATE AND AVAILABLE AT THE SITE AT ALL TIMES.

D. A COPY OF THE CURRENT CONSTRUCTION SITE NOTICE AND A BRIEF DESCRIPTION OF THE PROJECT MUST BE POSTED IN A PROMINENT PLACE FOR PUBLIC VIEWING AT THE CONSTRUCTION SITE AT ALL TIMES.

E. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED AS DESCRIBED HEREIN. THIS PLAN AND INSPECTION REPORTS MUST BE RETAINED FOR A TIME PERIOD OF AT LEAST THREE YEARS FOLLOWING FINAL STABILIZATION OF THE SITE.

F. THE CONTRACTOR'S PERMIT MUST IDENTIFY EACH CONTRACTOR AND SUBCONTRACTOR ENGAGED IN MAJOR CONSTRUCTION ACTIVITIES. IN ORDER TO DO THIS, THE OPERATOR OF THE SITE MUST ADD INFORMATION ABOUT APPROPRIATE CONTRACTORS AND SUBCONTRACTORS IN THE STORM WATER POLLUTION PREVENTION PLAN DURING THE COURSE OF CONSTRUCTION.

G. THE SUBCONTRACTORS MUST SIGN THE APPROPRIATE CERTIFICATE STATEMENTS AGREEING TO CONDUCT CONSTRUCTION ACTIVITIES FOLLOWING THE GUIDELINES OF THE GENERAL PERMIT AND THIS PLAN.

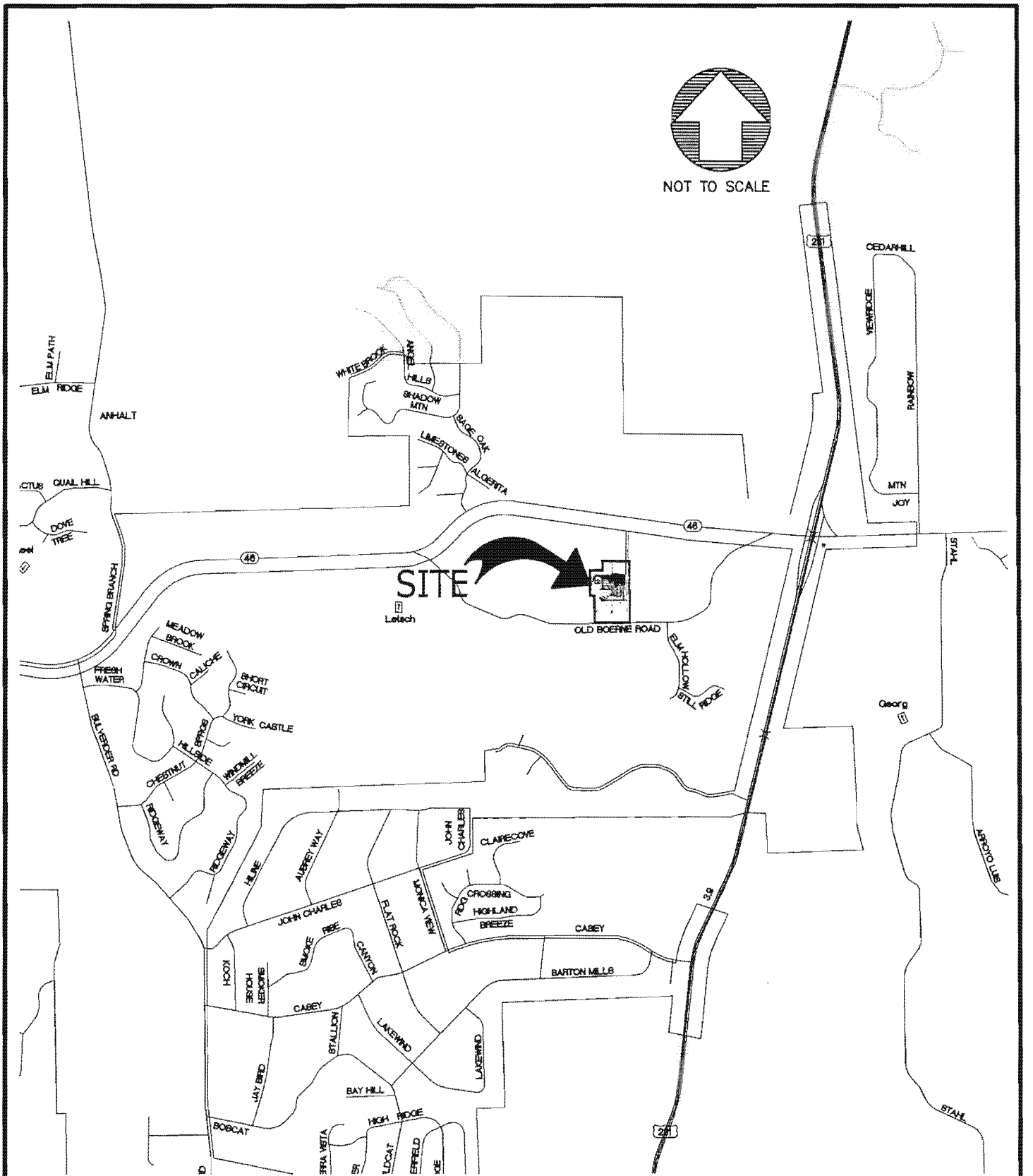
H. SAN ANTONIO WATER SYSTEMS (SAWS) MUST BE NOTIFIED UPON STABILIZATION OF THE SITE. SEND TO:

TPDES COORDINATOR AND CONSTRUCTION COMPLIANCE
517 MISSION ROAD
SAN ANTONIO, TEXAS 78210-3856
PHONE: (210) 704-1158
FAX: (210) 704-1104

THE SITE IS CONSIDERED STABILIZED AFTER ALL IMPERVIOUS COVER IS COMPLETED AND ALL VEGETATED AREAS ARE EITHER MULCHED AND/OR HAVE A UNIFORM VEGETATIVE COVER WITH A DENSITY OF AT LEAST 70%.

I. DIRECT QUESTIONS ABOUT THE TPDES PROGRAM TO THE TEXAS COMMISSION ON ENVIRIONMENTAL QUALITY (TCEQ) - REGION 13 OFFICE @ (210) 490-3096.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ)
REGION 13
14250 JUDSON ROAD
SAN ANTONIO, TEXAS 78233



ARLON SEAY ELEMENTARY SCHOOL

ATTACHMENT A

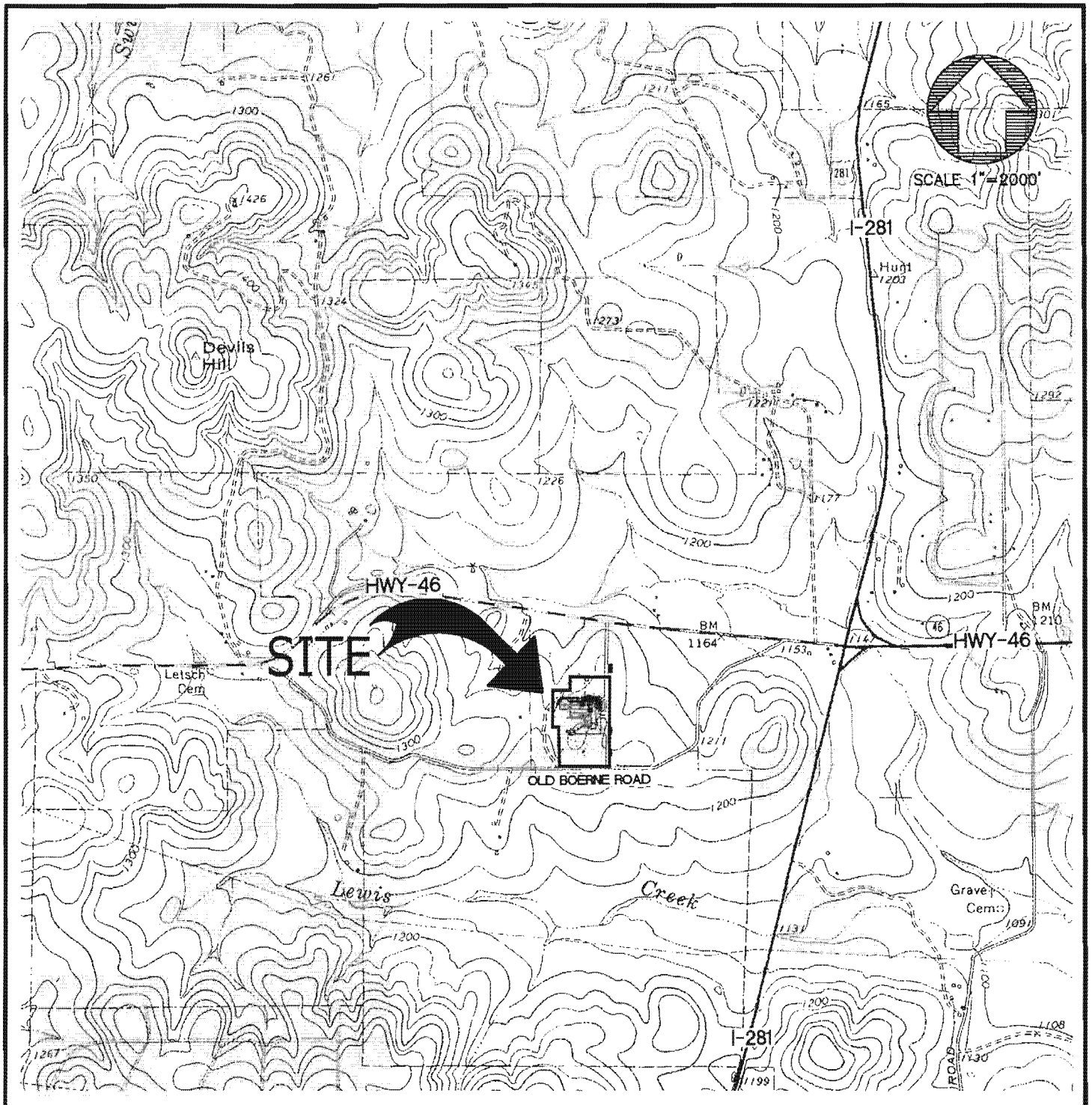
SITE LOCATION

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

R:\Arlon Seay School\dwgs\Exhibits\location map.dwg

DATE: 5/7/07

PROJ. #:070180



ARLON SEAY SCHOOL

ATTACHMENT B

(SOURCE: USGS "Anhalt" quadrangle)

MOY CIVIL ENGINEERS
13770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5031
FAX: (210) 698-5085

R:\Arlon Seay School\dwgs\Exhibits\usgs map.dwg

DATE: 5/7/07

PROJ. #: 070180

United States Department of Agriculture NRCS Natural Resources Conservation Service

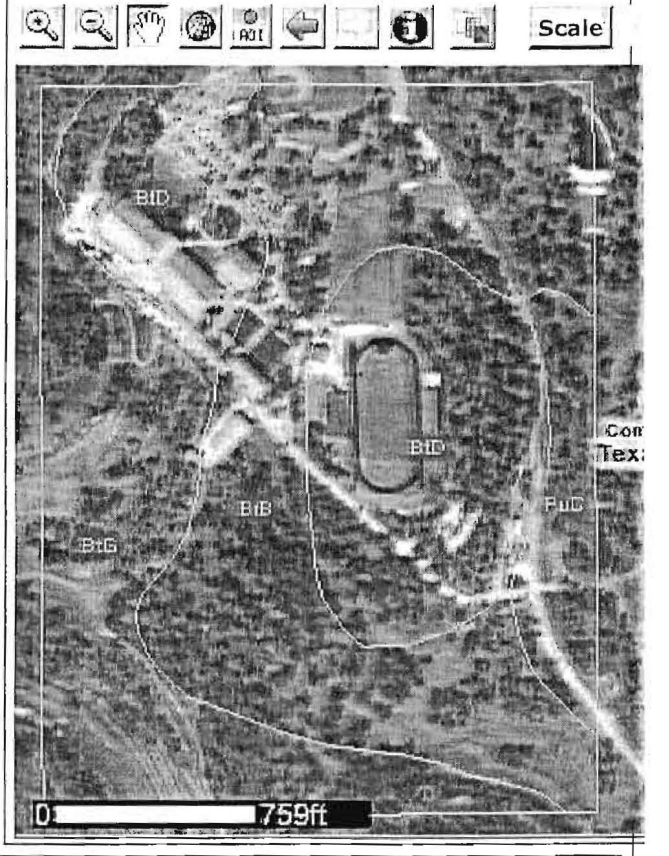
Web Soil Survey

Map Unit Legend Summary

Comal and Hays Counties, Texas

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BrB	Bolar clay loam, 1 to 3 percent slopes	50.5	39.5
BtD	Brackett-Rock outcrop-Comfort complex, 1 to 8 percent slopes	36.2	28.3
BtG	Brackett-Rock outcrop-Real complex, 8 to 30 percent slopes	33.1	25.8
PuC	Purves clay, 1 to 5 percent slopes	8.2	6.4

Soil Map



Identify Results

To identify a feature in a map layer at a specific point on the map:

1. Open the *Layers* panel by clicking the **Layers** tab.
2. Click a layer name in the *Layers* panel to make it the active layer. You cannot identify a layer category (marked with), and you cannot identify a layer that is disabled because that layer does not appear at the current view scale. To identify a disabled layer, zoom in or out until it is visible.
3. Click the map at the location of interest.

ARLON SEAY SCHOOL
Inspection Report

Pollution Prevention Measure		Inspected	Corrective Action	
			Description	Date Completed
Silt Fences	Inspections			
	Fencing			
	Sediment Removal			
	Torn Fabric			
	Crushed/Collapsed Fencing			
Rock Berms	Inspections			
	Remove sediment and Debris			
	Repair any loose wire sheathing			
	Reshaping			
	Replaced			
Bagged Gravel Inlet Filters	Inspections			
	Replaced/Reshaped			
	Silt Removed			
Construction Entrance/Exit	Inspections			
	Additional top Dressing			
	Repair/Cleanout			
	Sediment removed immediately			

Inspector's Name

Inspector's Signature

Inspection Date

ARLON SEAY SCHOOL
Inspection Report

Pollution Prevention Measure		Inspected	Corrective Action	
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Inspector's Name

Inspector's Signature

Inspection Date

ARLON SEAY SCHOOL
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ARLON SEAY SCHOOL
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Inspector's Name

Inspector's Signature

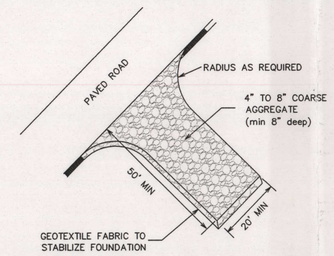
Inspection Date

KEYNOTES

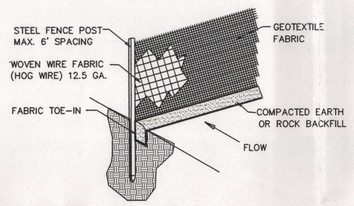
1. TEMPORARY CONSTRUCTION ENTRANCE / EXIT
2. SILT FENCE
3. BAGGED GRAVEL INLET FILTER
4. ROCK BERM

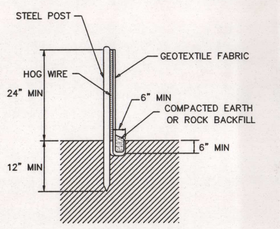
LEGEND

EXISTING CONTOURS — — 900 — —
PROPERTY LINE
SILT FENCE
PROPOSED CONTOURS —— 900 ——
BAGGED GRAVEL INLET FILTER
STABILIZED CONSTRUCTION EXIT
ITEM NUMBER (1)
ROCK BERM

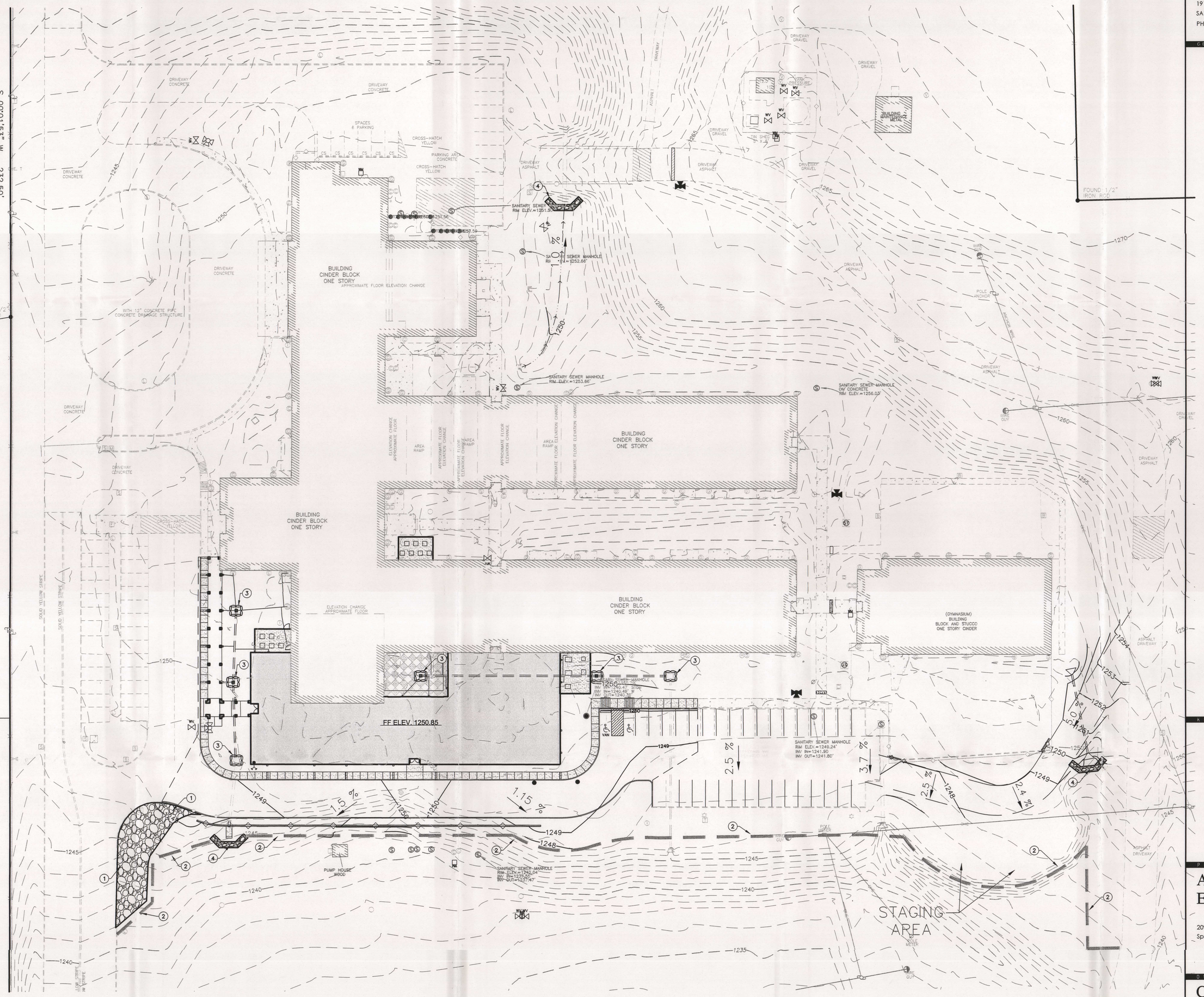


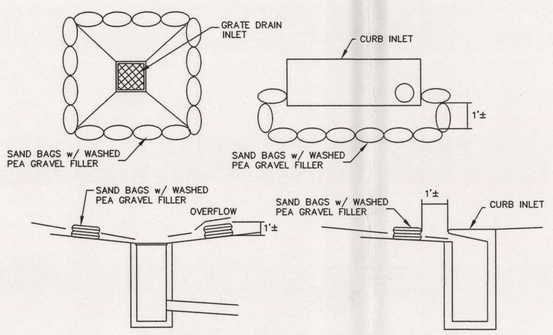
TEMPORARY CONSTRUCTION ENTRANCE\EXIT
N.T.S.





SILT FENCE
N.T.S.

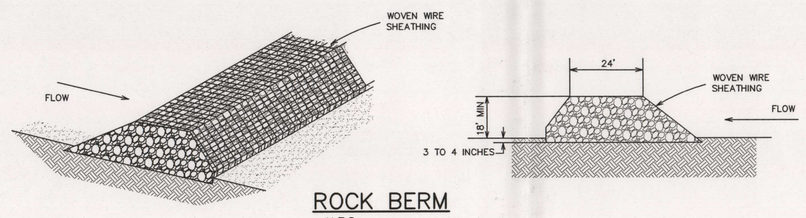




BAGGED GRAVEL INLET FILTER
N.T.S.

STORMWATER POLLUTION PREVENTION PLAN

SCALE: 1"=30'



ROCK BERM
N.T.S.

GENERAL NOTES

LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED.

SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE ENTIRE SITE WITH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.

CONTRACTOR SHALL ADJUST LOCATION OF TEMPORARY EROSION AND SEDIMENT CONTROLS AS REQUIRED FOR CONSTRUCTION OPERATIONS. ANY ADJUSTMENTS SHALL BE INDICATED ON THIS PLAN.

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

Pfluger Associates Architects
1917 N. NEW BRAUNFELS AVE., SUITE 201
SAN ANTONIO, TEXAS 78208
PH: 210/227-2724 FAX: 210/227-2730

GENERAL NOTES KEYED NOTES LEGENDS

KEY PLAN

PROPOSED
Arlon R. Seay Elementary School

20911 Hwy. 46 West
Spring Ranch, Texas 78070

OWNER
Comal Independent School District

1421 N. Business 35
New Braunfels, Texas 78130
Phone No. (830) 221-2184
Fax No.(830) 221-2009
Owner Web Page: www.comalisd.org

SEAL

STATE OF TEXAS
DUANE A. MOY
69258
REGISTERED PROFESSIONAL ENGINEER
5/24/07

DATA

PROJECT NO. 06-06
DATE 5-18-07
REVISIONS

SHEET TITLE
STORMWATER POLLUTION PREVENTION PLAN

C7

TPDES General Permit
NO. TXR150000

This is a new general permit issued pursuant to Section 26.040 of the Texas Water Code and Section 402 of the Clean Water Act.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. BOX 13087
Austin, TX 78711-3087

GENERAL PERMIT TO DISCHARGE WASTE
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

Construction sites located in the state of Texas

may discharge to surface water in the state

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

This permit and the authorization contained herein shall expire at midnight five years after the date of issuance.

ISSUED AND EFFECTIVE DATE: MAR 05 2003

For the Commission

Table of Contents

Part I. Definitions

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

Commencement of Construction - The exposure of soils resulting from activities such as clearing, grading, and excavating.

Common Plan of Development - A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities.

Facility or Activity - Any TPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the TPDES program.

Final Stabilization - A construction site status where either of the following conditions are met:

(a) All soil disturbing activities at the site have been completed and a uniform (e.g, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or goetextiles) have been employed.

(b) For individual lots in a residential construction site by either:

(1) the homebuilder completing final stabilization as specified in condition (a) above; or

(2) the homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization.

(c) For construction activities on land used for agricultural purposes (e.g. pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to a surface water and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.

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

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

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

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

Operator - The person or persons associated with a large or small construction activity that meets either of the following two criteria:

(a) the person or persons have operational control over construction plans and specifications to the extent necessary to meet the requirements and conditions of this general permit; or

(b) the person or persons have day-to-day operational control of those activities at a construction site which are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the Storm Water Pollution Prevention Plan or comply with other permit conditions).

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

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

Pollutant - (from the Texas Water Code, Chapter 26) Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any surface water in the state. The term "pollutant" does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland.

Pollution - (from the Texas Water Code, Chapter 26) The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any surface water in the state that renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property or to public health, safety, or welfare, or impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose.

Runoff Coefficient - The fraction of total rainfall that will appear at the conveyance as runoff.

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

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

Storm Water - Storm water runoff, snow melt runoff, and surface runoff and drainage.

Storm Water Associated with Construction Activity - Storm water runoff from a construction activity where soil disturbing activities (including clearing, grading, excavating) result in the disturbance of one (1) or more acres of total land area, or are part of a larger common plan of development or sale that will result in disturbance of one (1) or more acres of total land area.

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

Surface Water in the State - Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits

of the state (from the mean high water mark (MHWM) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Temporary Stabilization - A condition where exposed soils or disturbed areas are provided a protective cover, which may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place.

Waters of the United States - (from title 40, part122, section 2 of the Code of Federal Regulations) Waters of the United States or waters of the U.S. means:

(a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;

(b) all interstate waters, including interstate wetlands;

(c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:

  (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;

  (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or

  (3) which are used or could be used for industrial purposes by industries in interstate commerce;

(d) all impoundments of waters otherwise defined as waters of the United States under this definition;

(e) tributaries of waters identified in paragraphs (a) through (d) of this definition;

(f) the territorial sea; and

(g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR § 423.11(m) which also meet the criteria of this definition) are not waters of the United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States (such as disposal area in wetlands) nor resulted from the impoundment of waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

Part II. Permit Applicability and Coverage

Section A. Discharges Eligible for Authorization

1. Storm Water Associated with Construction Activity

Discharges of storm water runoff from small and large construction activities may be authorized under this general permit.

2. Discharges of Storm Water Associated with Construction Support Activities

Discharges of storm water runoff from construction support activities, including concrete batch plants, asphalt batch plants, equipment staging areas, material storage yards, material borrow areas, and excavated material disposal areas may be authorized under this general permit provided:

(a) the activity is located within a 1-mile distance from the boundary of the permitted construction site and directly supports the construction activity;

(b) the storm water pollution prevention plan is developed according to the provisions of this general permit and includes appropriate controls and measures to reduce erosion and discharge of pollutants in storm water runoff from the supporting industrial activity site; and

(c) the industrial activity either does not operate beyond the completion date of the construction activity or obtains separate TPDES authorization for discharges.

3. Non-storm Water Discharges

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

(a) discharges from fire fighting activities;

(b) fire hydrant flushings;

(c) vehicle, external building, and pavement wash water where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, an dust;

(d) water used to control dust;

(e) potable water sources including waterline flushings;

(f) air conditioning condensate;

(g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents.

4. Other Permitted Discharges

Any discharge authorized under a separate NPDES, TPDES, or TCEQ permit may be combined with discharges authorized by this permit.

Section B. Limitations on Permit Coverage

1. Post Construction Discharges.

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

2. Prohibition of Non-Storm Water Discharges

Except as provided in Part II. A.2., A3., and A4., all discharges authorized by this general permit must be composed entirely of storm water associated with construction activity.

3. Compliance With Water Quality Standards

Discharges to surface water in the state that would cause or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative

general permit (see Part II.G.3) to authorize discharges to surface water in the state from any activity that is determined to cause a violation of water quality standards or is found to cause, or contribute to, the loss of a designated use. The executive director may also require an application for an individual permit considering factors described in Part II. G.2.

4. Discharges to Water Quality-Impaired Receiving Waters.

New sources or new discharges of the constituents of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standards and are listed on the EPA approved Clean Water Act Section 303(d) list. Constituents of concern are those for which the water body is listed as impaired.

Discharges of the constituents of concern to impaired water bodies for which there is a total maximum daily load (TMDL) implementation plan are not eligible for this permit unless they are consistent with the approved TMDL and the implementation plan. Permittees must incorporate the limitations, conditions, and requirements applicable to their discharges, including monitoring frequency and reporting required by TCEQ rules, into their storm water pollution prevention plan in order to be eligible for coverage under this general permit.

5. Discharges to the Edwards Aquifer Recharge Zone

Discharges cannot be authorized by this general permit where prohibited by 30 Texas Administrative Code (TAC) Chapter 213 (relating to Edwards Aquifer).

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

(b) For existing discharges, the requirements of the agency-approved Water Pollution Abatement Plan under the Edwards Aquifer Rules are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural storm water controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in storm water runoff are in addition to the requirements in this general permit for this pollutant. For discharges from large construction activities located on the Edwards Aquifer contributing zone, applicants must also submit a copy of the NOI to the appropriate TCEQ regional office."

Counties:	Contact:
Comal, Bexar, Medina, Uvalde, and Kinney	TCEQ Water Program Manager San Antonio Regional Office 14250 Judson Rd. San Antonio, Texas (210) 490-3096
Williamson, Travis, and Hays	TCEQ Water Program Manager Austin Regional Office 1921 Cedar Bend Dr., Ste. 150 Austin, Texas (512) 339-2929.

6. Discharges to Specific Watersheds and Water Quality Areas

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

7. Protection of Streams and Watersheds by Other Governmental Entities

This general permit does not limit the authority or ability of federal, other state, or local governmental entities from placing additional or more stringent requirements on construction activities or discharges from construction activities. For example, this permit does not limit the authority of a home-rule municipality provided by Section 401.002 of the Texas Local Government Code.

8. Indian Country Lands

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

9. Oil and Gas Production

Storm water runoff from construction activities associated with the exploration, development, or production of oil or gas or geothermal resources, including transportation of crude oil or natural gas by pipeline, are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges

of storm water require authorization under federal NPDES regulations, authority for these discharges must be obtained from the EPA.

10. Storm Water Discharges from Agricultural Activities

Storm water discharges from agricultural activities that are not point source discharges of storm water are not subject to TPDES permit requirements. These activities may include clearing and cultivating ground for crops, construction of fences to contain livestock, construction of stock ponds, and other similar agricultural activities.

Section C. Deadlines for Obtaining Authorization to Discharge

1. Large Construction Activities

(a) New Construction - Discharges from sites where the commencement of construction occurs on or after the issuance date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.

(b) Ongoing Construction - Operators of large construction activities continuing to operate after the issuance date of this permit, and authorized under NPDES general permit TXR100000 (issued July 6, 1998, FR 36490), must submit an NOI to obtain authorization under this general permit within 90 days of the issuance date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the federal NPDES permit. If the construction activity is completed prior to this 90-day deadline, and the site would otherwise qualify for termination of coverage under that federal NPDES permit, the operator must notify the executive director of the TCEQ in writing within 30 days of that condition.

2. Small Construction Activities

(a) New Construction - Discharges from sites where the commencement of construction occurs on or after the issuance date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.

(b) Ongoing Construction - Discharges from ongoing small construction activities that commenced prior to March 10, 2003, and that would not meet the conditions to qualify for termination of this permit as described in Part II.E. of this general permit, must be authorized, either under this general permit or a separate TPDES permit, prior to March 10, 2003.

Section D. Obtaining Authorization to Discharge

1. Small construction activities are determined to occur during periods of low potential for erosion, and operators of these sites may be automatically authorized under this general permit and not required to develop a storm water pollution prevention plan or submit a notice of intent (NOI), provided:

   (a) the construction activity occurs in a county listed in Appendix A;

   (b) the construction activity is initiated and completed, including either final or temporary stabilization of all disturbed areas, within the time frame identified in Appendix A for the location of the construction site;

   (c) all temporary stabilization is adequately maintained to effectively reduce or prohibit erosion, final stabilization activities have been initiated and a condition, of final stabilization is completed no later than 30 days following the end date of the time frame identified in Appendix A for the location of the construction site;

   (d) the permittee signs a completed construction site notice (Attachment 1 of this general permit), including the certification statement;

   (e) a signed copy of the construction site notice is posted at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction activities, and maintained in that location until completion of the construction activity;

   (f) a copy of the signed and certified construction site notice is provided to the operator of any municipal separate storm sewer system receiving the discharge at least two days prior to commencement of construction activities; and

   (g) any supporting concrete batch plant or asphalt batch plant is separately authorized for discharges of storm water runoff or other non-storm water discharges under an individual TPDES permit, another TPDES general permit or under an individual TCEQ permit where storm water and non-storm water is disposed of by evaporation or irrigation (discharges are adjacent to water in the state).

2. Operators of small construction activities not described in Part II.D.1. above may be automatically authorized under this general permit, and operators of these sites are not required to submit an NOI provided they:

   (a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant

is the operator, and implement that plan prior to commencing construction activities;

(b) sign a completed construction site notice (Attachment 2 of this general permit);

(c) post a signed copy of the construction site notice at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities, prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity; and

(d) provide a copy of the signed and certified construction site notice to the operator of any municipal separate storm sewer system receiving the discharge at least two days prior to commencement of construction activities.

3. Operators of all other construction activities that qualify for coverage under this general permit must:

(a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant is the operator, and implement that plan prior to commencing construction activities;

(b) submit a Notice of Intent (NOI), using a form provided by the executive director, at least 2 days prior to commencing construction activities; or

(c) if the operator changes, or an additional operator is added after the initial NOI is submitted, the new operator must submit an NOI at least two (2) days before assuming operational control;

(d) post a copy of the NOI at the construction site in a location where it is readily available for viewing prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity;

(e) provide a copy of the signed NOI to the operator of any municipal separate storm sewer system receiving the discharge, at least two (2) days prior to commencing construction activities; and

(f) implement the SWP3 prior to beginning construction activities.

4. Effective Date of Coverage

(a) Operators of construction activities described in either Part II. D.1. or D.2. are authorized immediately following compliance with the conditions of Part II. D.1. or D.2. that are applicable to the construction activity.

(b) Operators of all other construction activities eligible for coverage under this general permit, unless otherwise notified by the executive director, are provisionally authorized two (2) days from the date that a completed NOI is postmarked for delivery to the TCEQ. If electronic submission of the NOI is provided, and unless otherwise notified by the executive director, operators are provisionally authorized 24 hours following confirmation of receipt of the NOI by the TCEQ. Authorization is non-provisional when the executive director finds the NOI is administratively complete and an authorization number is issued for the activity.

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

5. Notice of Change (NOC) Letter

If the operator becomes aware that it failed to submit any relevant facts, or submitted incorrect information in an NOI, the correct information must be provided to the executive director in a NOC letter within 14 days after discovery. If relevant information provided in the NOI changes, a NOC letter must be submitted within 14 days of the change. A copy of the NOC must be provided to the operator of any MS4 receiving the discharge.

6. Signatory Requirement for NOI Forms, Notice of Termination (NOT) Forms, NOC Letters, and Construction Site Notices

NOI forms, NOT forms, NOC letters, and Construction Site Notices must be signed according to 30 TAC § 305.44 (relating to Application for Permit).

7. Contents of the NOI

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

(a) the name, address, and telephone number of the operator filing the NOI for permit coverage;

(b) the name (or other identifier), address, county, and latitude/longitude of the construction project or site;

(c) number of acres that will be disturbed (estimated to the largest whole number);

(d) whether the project or site is located on Indian Country lands;

(e) confirmation that a SWP3 has been developed and that the SWP3 will be compliant with any applicable local sediment and erosion control plans; and

(f) name of the receiving water(s).

Section E. Application to Terminate Coverage

Each operator that has submitted an NOI for authorization under this general permit must apply to terminate that authorization following the conditions described in this section of the general permit. Authorization must be terminated by submitting a Notice of Termination (NOT) on a form supplied by the executive director. Authorization to discharge under this permit terminates at midnight on the day the NOT is postmarked for delivery to the TCEQ. If electronic submission of the NOT is provided, authorization to discharge under this permit terminates immediately following confirmation of receipt of the NOT by the TCEQ. Compliance with the conditions and requirements of this permit is required until an NOT is submitted.

1. Notice of Termination Required

The NOT must be submitted to TCEQ, and a copy of the NOT provided to the operator of any MS4 receiving the discharge, within thirty (30) days, after:

(a) final stabilization has been achieved on all portions of the site that is the responsibility of the permittee: or

(b) another permitted operator has assumed control over all areas of the site that have not been finally stabilized; and

(c) all silt fences and other temporary erosion controls have either been removed, scheduled for removal as defined in the SWP3, or transferred to a new operator if the new operator has sought permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

2. Minimum Contents of the NOT

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

(a) if authorization was granted following submission of a NOI, the permittees site-specific TPDES general permit number for the construction site;

(b) an indication of whether the construction activity is completed or if the permittee is simply no longer an operator at the site;

(c) the name, address and telephone number of the permittee submitting the NOT;

(d) the name (or other identifier), address, county, and latitude/longitude of the construction project or site; and

(e) a signed certification that either all storm water discharges requiring authorization under this general permit will no longer occur, or that the applicant to terminate coverage is no longer the operator of the facility or construction site, and that all temporary structural erosion controls have either been removed, will be removed on a schedule defined in the SWP3, or transferred to a new operator if the new operator has applied for permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

Section F. Waivers from Coverage

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

1. Waiver Applicability and Coverage

Operators of small construction activities may apply for and receive a waiver from the requirements to obtain authorization under this general permit where:

(a) the calculated rainfall erosivity R factor for the entire period of the construction project is less than five (5);

(b) the operator submits a signed waiver certification form, supplied by the executive director, certifying that the construction activity will commence and be completed within a period when the value of the calculated rainfall erosivity R factor is less than five (5); and

(c) the waiver certification form is submitted to the TCEQ at least two (2) days before construction activity begins.

2. Effective Date of Waiver

Operators of small construction activities are provisionally waived from the otherwise applicable requirements of this general permit two (2) days from the date that a completed waiver certification form is postmarked for delivery to TCEQ.

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

Section H. Permit Expiration

This general permit shall be issued for a term not to exceed five (5) years. Following public notice and comment, as provided by 30 TAC § 205.3 (relating to Public Notice, Public Meetings, and Public Comment), the commission may amend, revoke, cancel, or renew this general permit. If the TCEQ publishes a notice of its intent to renew or amend this general permit before the expiration date, the permit will remain in effect for existing, authorized, discharges until the commission takes final action on the permit. Upon issuance of a renewed or amended permit, permittees may be required to submit an NOI within 90 days following the effective date of the renewed or amended permit, unless that permit provides for an alternative method for obtaining authorization.

In the event that the general permit is not renewed, discharges that are authorized under the general permit must obtain either a TPDES individual permit or coverage under an alternative general permit.

Part III. Storm Water Pollution Prevention Plans (SWP3)

Storm water pollution prevention plans must be prepared for storm water discharges that will reach Waters of the United States, including discharges to MS4 systems and privately owned separate storm sewer systems that drain to Waters of the United States, to identify and address potential sources of pollution that are reasonably expected to affect the quality of discharges from the construction site, including off-site material storage areas, overburden and stockpiles of dirt, borrow areas, equipment staging areas, vehicle repair areas, fueling areas, etc., used solely by the permitted project. The SWP3 must describe and ensure the implementation of practices that will be used to reduce the pollutants in storm water discharges associated with construction activity at the construction site and assure compliance with the terms and conditions of this permit.

Individual operators at a site may develop separate SWP3s that cover only their portion of the project provided reference is made to the other operators at the site. Where there is more than one SWP3 for a site, permittees must coordinate to ensure that BMPs and controls are consistent, and do not negate or impair the effectiveness of each other. Regardless of whether a single comprehensive SWP3 is developed, or separate SWP3s are developed for each operator, it is the responsibility of each operator to ensure that compliance with the terms and conditions of this general permit is met in the areas of the construction site where that operator has operational control over construction plans and specifications or day-to-day operational control.

Section A. Shared SWP3 Development

For more effective coordination of BMPs and opportunities for cost sharing, a cooperative effort by the different operators at a site is encouraged. Operators must independently submit an NOI and obtain authorization, but may work together to prepare and implement a single comprehensive SWP3 for the entire construction site.

1. The SWP3 must clearly list the name and, for large construction activities, the general permit authorization numbers, for each operator that participates in the shared SWP3. Until the TCEQ responds to receipt of the NOI with a general permit authorization number, the SWP3 must specify the date that the NOI was submitted to TCEQ by each operator. Each participant in the shared plan must also sign the SWP3.

2. The SWP3 must clearly indicate which operator is responsible for satisfying each shared requirement of the SWP3. If the responsibility for satisfying a requirement is not described in the plan, then each permittee is entirely responsible for meeting the requirement within the boundaries of the construction site where they perform construction activities. The SWP3 must clearly describe responsibilities for meeting each requirement in shared or common areas.

Section B. Responsibilities of Operators

1. Operators with Control Over Construction Plans and Specifications

All operators with operational control over construction plans and specifications to the extent necessary to meet the requirements and conditions of this general permit must:

(a) ensure the project specifications allow or provide that adequate BMPs may be developed to meet the requirements of Part III of this general permit;

(b) ensure that the SWP3 indicates the areas of the project where they have operational control over project specifications (including the ability to make modifications in specifications);

(c) ensure all other operators affected by modifications in project specifications are notified in a timely manner such that those operators may modify best management practices as are necessary to remain compliant with the conditions of this general permit; and

(d) ensure that the SWP3 for portions of the project where they are operators indicates the name and TPDES permit numbers for permittees with the day-to-day operational control over those activities necessary to ensure compliance with the SWP3 and other permit conditions. In the case that responsible parties have not been identified, the permittee with operational control over project specifications must be considered to be the responsible party until such time as the authority is transferred to another party and the plan is updated.

2. Operators with Day-to-Day Operational Control

Operators with day-to-day operational control of those activities at a project that are necessary to ensure compliance with a SWP3 and other permit conditions must:

(a) ensure that the SWP3 for portions of the project where they are operators meets the requirements of this general permit;

(b) ensure that the SWP3 identifies the parties responsible for implementation of best management practices described in the plan;

(c) ensure that the SWP3 indicates areas of the project where they have operational control over day-to-day activities;

(d) ensure that the SWP3 indicates, for areas where they have operational control over day-to-day activities, the name and TPDES permit number of the parties with operational control over project specifications (including the ability to make modifications in specifications).

Section C. Deadlines for SWP3 Preparation and Compliance

1. The SWP3 must be:

(a) completed prior to obtaining authorization under this general permit;

(b) implemented prior to commencing construction activities that result in soil disturbance;

(c) updated as necessary to reflect the changing conditions of new operators, new areas of responsibility, and changes in best management practices; and

(d) prepared so that it provides for compliance with the terms and conditions of this general permit.

Section D. Plan Review and Making Plans Available

1. The SWP3 must be retained on-site at the construction site or, if the site is inactive or does not have an on-site location to store the plan, a notice must be posted describing the location of the SWP3. The SWP3 must be made readily available at the time of an on-site inspection to: the executive director; a federal, state, or local agency approving sediment and erosion plans, grading plans, or storm water management plans; local government officials; and the operator of a municipal separate storm sewer receiving discharges from the site.

2. Operators of a large construction activity obtaining authorization to discharge through submission of a NOI must post a notice near the main entrance of the

construction site. If the construction project is a linear construction project (e.g. pipeline, highway, etc.), the notice must be placed in a publicly accessible location near where construction is actively underway. Notice for these linear sites may be relocated, as necessary, along the length of the project. The notice must be readily available for viewing by the general public, local, state, and federal authorities, and contain the following information:

(a) the TPDES general permit number for the project (or a copy of the NOI that was submitted to the TCEQ if a permit number has not yet been assigned);

(b) the name and telephone number of a representative for the operator;

(c) a brief description of the project; and

(d) the location of the SWP3.

3. This permit does not provide the general public with any right to trespass on a construction site for any reason, including inspection of a site; nor does this permit require that permittees allow members of the general public access to a construction site.

Section E. Keeping Plans Current

The permittee must revise or update the storm water pollution prevention plan whenever:

1. there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been previously addressed in the SWP3; or

2. results of inspections or investigations by site operators, operators of a municipal separate storm sewer system receiving the discharge, authorized TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWP3 is proving ineffective in eliminating or significantly minimizing pollutants in discharges authorized under this general permit.

Section F. Contents of SWP3

The SWP3 must include, at a minimum, the information described in this section.

1. A site description, or project description must be developed to include:

(a) a description of the nature of the construction activity, potential pollutants and sources;

(b) a description of the intended schedule or sequence of major activities that will disturb soils for major portions of the site;

(c) the total number of acres of the entire property and the total number of acres where construction activities will occur, including off-site material storage areas, overburden and stockpiles of dirt, and borrow areas;

(d) data describing the soil or the quality of any discharge from the site;

(e) a map showing the general location of the site (e.g. a portion of a city or county map);

(f) a detailed site map (or maps) indicating the following:

(i) drainage patterns and approximate slopes anticipated after major grading activities;

(ii) areas where soil disturbance will occur;

(iii) locations of all major structural controls either planned or in place;

(iv) locations where stabilization practices are expected to be used;

(v) locations of off-site material, waste, borrow, fill, or equipment storage areas;

(vi) surface waters (including wetlands) either adjacent or in close proximity; and

(vii) locations where storm water discharges from the site directly to a surface water body.

(g) the location and description of asphalt plants and concrete plants providing support to the construction site and authorized under this general permit;

(h) the name of receiving waters at or near the site that will be disturbed or that will receive discharges from disturbed areas of the project; and

(i) a copy of this TPDES general permit.

2. The SWP3 must describe the best management practices that will be used to minimize pollution in runoff. The description must identify the general timing or sequence for implementation. At a minimum, the description must include the following components:

(a) Erosion and Sediment Controls

(i) Erosion and sediment controls must be designed to retain sediment on-site to the extent practicable with consideration for local

topography, soil type, and rainfall. Controls must also be designed and utilized to reduce the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site.

(ii) Control measures must be properly selected, installed, and maintained according to the manufacturer's or designer's specifications. If periodic inspections or other information indicates a control has been used incorrectly, or that the control is performing inadequately, the operator must replace or modify the control as soon as practicable after discovery that the control has been used incorrectly, is performing inadequately, or is damaged.

(iii) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%.

(iv) If sediment escapes the site, accumulations must be removed at a frequency to minimize further negative effects, and whenever feasible, prior to the next rain event.

(v) Controls must be developed to limit, to the extent practicable, offsite transport of litter, construction debris, and construction materials.

(b) Stabilization Practices

The SWP3 must include a description of interim and permanent stabilization practices for the site, including a schedule of when the practices will be implemented. Site plans should ensure that existing vegetation is preserved where it is possible.

(i) Stabilization practices may include but are not limited to: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation, and other similar measures.

(ii) The following records must be maintained and either attached to or referenced in the SWP3, and made readily available upon request to the parties in Part III.D.1 of this general permit:

(a) the dates when major grading activities occur;

(b) the dates when construction activities temporarily or permanently cease on a portion of the site; and

(c) the dates when stabilization measures are initiated.

(iii) Stabilization measures must be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and except as provided in (a) through (c) below, must be initiated no more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased.

(a) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceased is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable.

(b) Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of site.

(c) In arid areas (areas with an average rainfall of 0 to 10 inches), semiarid areas (areas with an average annual rainfall of 10 to 20 inches), and areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable.

3. Structural Control Practices

The SWP3 must include a description of any structural control practices used to divert flows away from exposed soils, to limit the contact of runoff with disturbed areas, or to lessen the off-site transport of eroded soils.

(a) Sediment basins are required, where feasible for common drainage locations that serve an area with ten (10) or more acres disturbed at one time, a temporary (or permanent) sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained, or equivalent control measures, shall be provided where attainable until final stabilization of the site. Where rainfall data is not available or a calculation cannot be performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained is required where attainable until final stabilization of the site. When calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from offsite areas and flow from onsite areas that are either undisturbed or have already undergone final stabilization, if

these flows are diverted around both the disturbed areas of the site and the sediment basin. In determining whether installing a sediment basin is feasible, the permittee may consider factors such as site soils, slope, available area on site, public safety, precipitation patterns, site geometry, site vegetation, infiltration capacity, geotechnical factors, depth to groundwater and other similar considerations. Where sediment basins are not feasible, equivalent control measures , which may include a series of smaller sediment basins, must be used. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction area.

(b) Sediment traps and sediment basins may also be used to control solids in storm water runoff for drainage locations serving less than ten (10) acres. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction. Alternatively, a sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained, or equivalent control measures, may be provided or where rainfall data is not available or a calculation cannot be performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained may be provided.

4. Permanent Storm Water Controls

A description of any measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed must be included in the SWP3. Permittees are only responsible for the installation and maintenance of storm water management measures prior to final stabilization of the site or prior to submission of an NOT.

5. Other Controls

(a) Off-site vehicle tracking of sediments and the generation of dust must be minimized.

(b) The SWP3 must include a description of construction and waste materials expected to be stored on-site and a description of controls to reduce pollutants from these materials.

(c) The SWP3 must include a description of pollutant sources from areas other than construction (including storm water discharges from dedicated asphalt plants and dedicated concrete plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

(d) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected.

6. Approved State and Local Plans

(a) Permittees must ensure the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or storm water management site plans or site permits approved by federal, state, or local officials.

(b) SWP3s must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or storm water management site plans or site permits approved by state or local official for which the permittee receives written notice.

7. Maintenance

All erosion and sediment control measures and other protective measures identified in the SWP3 must be maintained in effective operating condition. If through inspections the permittee determines that BMPs are not operating effectively, maintenance must be performed before the next anticipated storm event or as necessary to maintain the continued effectiveness of storm water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable. Erosion and sediment controls that have been intentionally disabled, run-over, removed, or otherwise rendered ineffective must be replaced or corrected immediately upon discovery.

8. Inspections of Controls

In the event of flooding or other uncontrollable situations which prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable

(a) Personnel provided by the permittee and familiar with the SWP3 must inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, and structural controls for evidence of, or the potential for, pollutants entering the drainage system. Sediment and erosion control measures identified in the SWP3 must be inspected to ensure that they are operating correctly. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking. Inspections must be conducted at least once every fourteen (14) calendar days and within twenty four (24) hours of the end of a storm event of 0.5 inches or greater.

Where sites have been finally or temporarily stabilized, where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), or during seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semi-arid areas (areas with an average annual rainfall of 10 to 20 inches), inspections must be conducted at least once every month.

As an alternative to the above-described inspection schedule of once every fourteen (14) calendar days and within twenty four (24) hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection.

(b) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part III.F.8.(a) above. Inspection of these areas could require that vehicles compromise temporarily or even permanently stabilized areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls must be inspected at least once every fourteen (14) calendar days and within twenty four (24) hours of the end of a storm event of 0.5 inches, but representative inspections may be performed. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described in Part III.F.8.(a) above. The conditions of the controls along each inspected 0.25 mile segment may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 mile segment to either the end of the next 0.25 mile inspected segment, or to the end of the project, whichever occurs first.

As an alternative to the above-described inspection schedule of once every fourteen (14) calendar days and within twenty four (24) hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection.

(c) The SWP3 must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions to the SWP3 must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the SWP3 and wherever

possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable.

(d) A report summarizing the scope of the inspection, names and qualifications of personnel making the inspection, the dates of the inspection, and major observations relating to the implementation of the SWP3 must be made and retained as part of the SWP3. Major observations should include: The locations of discharges of sediment or other pollutants from the site; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.

Actions taken as a result of inspections must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports)

9. The SWP3 must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-storm water components of the discharge.

Part IV. Numeric Effluent Limitations

Section A. Limitations

All discharges of storm water runoff from concrete batch plants that qualify for coverage, and that are authorized to discharge storm water under the provisions of this general permit must be monitored at the following monitoring frequency and comply with the following numeric effluent limitations:

Parameter	Limitations Daily Maximum	Monitoring Frequency
Total Suspended Solids	65 mg/l	1/Year*
Oil and Grease	15 mg/l	1/Year*
pH	between 6 and 9 standard units	1/Year*

* If discharge occurs.

Section B. Reporting Requirements

Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Attachment 3 of this general permit), a duplicate of the form, or as otherwise provided by the executive director. Monitoring must be conducted prior to December 31st for each annual

monitoring period. A copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request, by March 31st following the end of each annual monitoring period. If the results indicate the violation of one or more of these numeric limitations, the permittee must also submit the DMR to the TCEQ's Information Resources Center (MC 212) by March 31st of each annual monitoring period.

Part V. Retention of Records

The permittee must retain the following records for a minimum period of three (3) years from the date that a NOT is submitted as required by Part II.D. For activities that are not required to submit an NOT, records shall be retained for a minimum period of three (3) years from the date that either: final stabilization has been achieved on all portions of the site that is the responsibility of the permittee; or another permitted operator has assumed control according to over all areas of the site that have not been finally stabilized. Records include:

1. A copy of the SWP3 plan.
2. All reports and actions required by this permit, including a copy of the construction site notice.
3. All data used to complete the NOI, if an NOI is required for coverage under this general permit.

Part VI. Standard Permit Conditions

1. The permittee has a duty to comply with all permit conditions. Failure to comply with any permit condition is a violation of the permit and statutes under which it was issued, and is grounds for enforcement action, for terminating coverage under this general permit, or for requiring a discharger to apply for and obtain an individual TPDES permit.

2. Authorization under this general permit may be suspended or revoked for cause. Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee must furnish to the executive director, upon request and within a reasonable time, any information necessary for the executive director to determine whether cause exists for revoking, suspending, or terminating authorization under this permit. Additionally, the permittee must provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of this general permit.

3. It is not a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the permit conditions.

4. Inspection and entry shall be allowed under Texas Water Code Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 Code of Federal Regulations (CFR) §122.41(i). The statement in Texas Water Code § 26.014 that commission entry of a facility shall occur according to an establishment's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the

facility or site, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.

5. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§ 26.136, 26.212, and 26.213 for violations including but not limited to the following:

   a. negligently or knowingly violating CWA, §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA, § 402, or any requirement imposed in a pretreatment program approved under CWA, §§ 402(a)(3) or 402(b)(8);

   b. knowingly making any false statement, representation, or certification in any record or other document submitted or required to be maintained under a permit, including monitoring reports or reports of compliance or noncompliance.

6. All reports and other information requested by the executive director must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

7. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.

Part VII. Fees

Section A. Application Fees

An application fee of $100 must be submitted with each NOI for coverage of a large construction activity. A fee is not required for submission of an NOT or NOC letter.

Section B. Water Quality Fees

Large construction activities authorized under this general permit must pay an annual Water Quality Fee of $100 under Texas Water Code 26.0291 and according to TAC Chapter 205 (relating to General Permits for Waste Discharges).

Appendix A.
Periods of Low Erosion Potential by County

Start Date - End Date
Dec. 15 - Feb. 14
Archer
Baylor
Brown
Callahan
Childress
Coke
Coleman
Concho
Cottle
Dimmit
Eastland
Edwards
Fisher
Foard
Hardeman
Haskell
Irion
Jones
Kerr
Kimble
King
Kinney
Knox
Mason
Maverick
McCulloch
Menard
Nolan
Real
Runnels
Schleicher
Shackelford
Stephens
Stonewall
Sutton
Taylor
Throckmorton
Tom Green
Uvalde
Wichita
Wilbarger
Young
Zavala

Start Date - End Date
Nov. 15 - Apr. 30
Andrews
Armstrong
Borden
Brewster
Briscoe
Carson
Castro
Crane
Crosby
Dawson
Deaf Smith
Ector
Floyd
Gaines
Garza
Glasscock
Hale
Hansford
Hartley
Howard
Hutchinson
Lubbock
Lynn
Martin
Midland
Mitchell
Moore
Oldham
Pecos
Potter
Randall
Reagan
Scurry
Sherman
Sterling
Swisher
Terrell
Terry
Upton

Start Date - End Date
Feb. 1 - Mar. 30
Hall

Start Date - End Date
Nov. 15 - Jan. 14 or **Feb. 1 - Mar. 30**
Crockett
Dickens
Kent
Motley
Val Verde

Start Date - End Date
Nov. 1 - Apr. 14 or **Nov. 15 - Apr. 30**
Dallam
Hockley
Lamb
Parmer
Ward

Start Date - End Date
Nov. 1 - Apr. 30 or **Nov. 15 - May. 14**
Bailey
Cochran
Jeff Davis
Loving
Presidio
Reeves
Winkler
Yoakum

Start Date - End Date
Nov. 1 - May. 14
Culberson
Hudspeth

Start Date - End Date
Jan. 1 - Jul. 14 or **May. 15 - Jul. 31** or
Jun. 1 - Aug. 14 or **Jun. 15 - Sept. 14** or
Jul. 1 - Oct. 14 or **Jul. 15 - Oct. 31** or
Aug. 1 - Apr. 30 or **Aug. 15 - May. 14** or
Sept. 1 - May. 30 or **Oct. 1 - Jun. 14** or
Nov. 1 - Jun. 30 or **Nov. 15 - Jul. 14**
El Paso

Start Date - End Date
Jan. 1 - Mar. 30 or **Dec. 1 - Feb. 28**
Collingsworth Wheeler
Donley
Gray
Hemphill
Lipscomb
Ochiltree
Roberts

CONSTRUCTION SITE NOTICE

FOR THE
Texas Commission on Environmental Quality (TCEQ)
Storm Water Program

TPDES GENERAL PERMIT TXR150000

The following information is posted in compliance with **Part II.D.1.** of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from construction sites. Additional information regarding the TCEQ storm water permit program may be found on the internet at:
http://www.tceq.state.tx.us/nav/permits/wq_construction.html

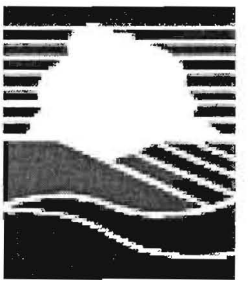
Contact Name and Phone Number:	
Project Description: (Physical address or description of the site's location, estimated start date and projected end date, or date that disturbed soils will be stabilized)	

For Construction Sites Authorized Under Part II.D.1. the following certification must be completed:

I _____ (Typed or Printed Name Person Completing This Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization by waiver under Part II.D.1. of TPDES General Permit TXR150000 and agree to comply with the terms of this permit. Construction activities at this site shall occur within a time period listed in Appendix A of the TPDES general permit for this county, that period beginning on _____and ending on _____. I understand that if construction activities continue past this period, all storm water runoff must be authorized under a separate provision of this general permit. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4 system. I am aware there are significant penalties for providing false information or for conducting unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

_____ _____

Signature and Title Date



CONSTRUCTION SITE NOTICE

FOR THE
Texas Commission on Environmental Quality (TCEQ)
Storm Water Program
TPDES GENERAL PERMIT TXR150000

The following information is posted in compliance with **Part II.D.2.** of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from construction sites. Additional information regarding the TCEQ storm water permit program may be found on the internet at:
http://www.tceq.state.tx.us/nav/permits/wq_construction.html

Contact Name and Phone Number:	
Project Description: ((Physical address or description of the site's location, estimated start date and projected end date, or date that disturbed soils will be stabilized)	
Location of Storm Water Pollution Prevention Plan :	

For Construction Sites Authorized Under Part II.D.2. (Obtaining Authorization to Discharge) the following certification must be completed:

I _____ (Typed or Printed Name Person Completing This Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization under Part II.D.2. of TPDES General Permit TXR150000 and agree to comply with the terms of this permit. A storm water pollution prevention plan has been developed and implemented according to permit requirements. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4 system. I am aware there are significant penalties for providing false information or for conducting unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

_____ _____

Signature and Title Date

CONCRETE BATCH FACILITIES

STW/ TXR15_____/ CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME

ADDRESS

FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/TXR15 00123/ CO

Mail to: TCEQ (MC 212)
P.O. Box 13087
Austin, TX 78711-3087

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
	01	01		12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

☐

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)	(54-61)		(4 Card Only) QUALITY OR CONCENTRATION (38-45)	(46-53)	(54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Suspended Solids	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	65 Daily Max	mg/l		1/Year	Grab
Oil & Grease	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	15 Daily Max	mg/l		1/Year	Grab
pH	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	6.0 - 9.0 Range	S.U.		1/Year	Grab
	SAMPLE MEASUREMENT										
	SAMPLE REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (3-99) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED) PAGE OF
Form Approved OMB No. 2040-004

CONSTRUCTION SITE NOTICE

FOR THE
Texas Commission on Environmental Quality (TCEQ)
Storm Water Program
TPDES GENERAL PERMIT TXR150000

The following information is posted in compliance with **Part II.D.2.** of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from construction sites. Additional information regarding the TCEQ storm water permit program may be found on the internet at:
www.tnrcc.state.tx.us/permitting/waterperm/wwperm/tpdestorm

Contact Name and Phone Number:	
Project Description: (Physical address or description of the site's location, estimated start date and projected end date, or date that disturbed soils will be stabilized)	
Location of Storm Water Pollution Prevention Plan :	

For Construction Sites Authorized Under Part II.D.2. (Obtaining Authorization to Discharge) the following certification must be completed:

I _____ (Typed or Printed Name Person Completing This Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization under Part II.D.2. of TPDES General Permit TXR150000 and agree to comply with the terms of this permit. A storm water pollution prevention plan has been developed and implemented according to permit requirements. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4 system. I am aware there are significant penalties for providing false information or for conducting unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

_____ _____

Signature and Title Date

TPDES CONSTRUCTION GENERAL PERMIT (TXR150000)

CERTIFICATION SIGNATURE PAGE

THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIRED TO BE DEVELOPED UNDER THE TPDES CGP PERMIT (TXR150000) MUST BE SIGNED ACCORDING TO 30 TEXAS ADMINISTRATIVE CODE 305.44 RELATING TO SIGNATORY AUTHORITIES. AN AUTHORIZED AGENT OF THE ENTITY SUBMITTING FOR PERMIT COVERAGE MUST SIGN AND DATE THE SWP3 AND MAINTAIN THE SIGNATURE WITHIN THE PLAN.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMPANY NAME

ADDRESS | TELEPHONE NUMBER

CITY | STATE | ZIP CODE

PRINT NAME | TITLE

SIGNATURE | DATE

ARLON SEAY ELEMENTARY SCHOOL

CONTRACTOR & SUBCONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM (TPDES) PERMIT THAT AUTHORIZED THE STORMWATER DISCHARGED ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION:

(ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLETE AND SIGN THIS FORM PRIOR TO START OF WORK BY THE CONTRACTOR OR SUBCONTRACTOR).

COMPANY NAME

ADDRESS TELEPHONE NUMBER

CITY STATE ZIP CODE

PRINT NAME TITLE

SIGNATURE DATE

COMPANY NAME

ADDRESS TELEPHONE NUMBER

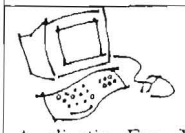
CITY STATE ZIP CODE

PRINT NAME TITLE

SIGNATURE DATE

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity under TPDES General Permit (TXR150000)

TCEQ Office Use Only
Permit No.:
RN:
CN:



Sign up now for on line NOI at http://www.tceq.state.tx.us/permitting/steers/steers.html Get Instant Approval

Did you know you can pay on line? Go to https://www6.tceq.state.tx.us/epay/
Select Fee Type: GENERAL PERMIT CONSTRUCTION STORM WATER DISCHARGE NOI APPLICATION

Application Fee: You must pay the $100 Application Fee to TCEQ for the application to be considered complete.
How did you pay this fee?

Mailed: ☐	Check/Money Order No.:	Name Printed on Check:
EPAY: ☐	Voucher No.:	Is the Payment Voucher copy attached? ☐ Yes

IMPORTANT:
•Use the attached INSTRUCTIONS when completing this form.
•After completing this form, use the attached CUSTOMER CHECKLIST to make certain all items are complete and accurate.
•Missing, illegible, or inaccurate items may delay final acknowledgment or coverage under the general permit.

A. OPERATOR (applicant)

1. If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? CN 600249825

2. What is the full Legal Name of the applicant?

Comal Independent School District

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.)

3. What is the applicant's mailing address as recognized by the US Postal Service?

Address: 1404 I-35 N	Suite No./Bldg. No./Mail Code:	
City: New Braunfels	State: TX	ZIP Code: 78130
Country Mailing Information (if outside USA).	Country Code:	Postal Code:

4. Phone No.: (830) 221-2184	Extension:
5. Fax No.: (830) 221-2009	E-mail Address: david.swain@comalisd.org

6. Indicate the type of Customer:

☐ Individual	☐ Sole Proprietorship-D.B.A.	☐ Limited Partnership
☐ Corporation	☐ Federal Government	☐ General Partnership
☐ State Government	☐ County Government	☐ City Government
☑ Other:		

7. Independent Operator: ☐ Yes ☐ No (If governmental entity, subsidiary, or part of a larger corporation, check "No".)

8. Number of Employees: ☐ 0-20; ☑ 21-100; ☐ 101-250; ☐ 251-500; or ☐ 501 or higher

9. Customer Business Tax and Filing Numbers *(This item is not applicable to Individuals, Government, GP or Sole Proprietor.)*
REQUIRED for Corporations and Limited Partnerships

State Franchise Tax ID Number: 17460017779	Federal Tax ID: 746001777
TX SOS Charter (filing) Number:	DUNS Number (if known):

B. BILLING ADDRESS

The Operator is responsible for paying the annual fee. The annual fee will be assessed to permits active on September 1 of each year. TCEQ will send a bill to the address provided in this section. The Operator is responsible for terminating the permit when it is no longer needed.

Is the billing address same as the Operator Address? ☑ Yes, go to Section C. ☐ No, fill out Section B

1. Billing Mailing Address:	Suite No./Bldg. No./Mail Code:	
City:	State:	ZIP Code:
2. Country Mailing Information (if outside USA). Territory:	Country Code:	Postal Code:
3. Billing Contact (Attn or C/O):		
4. Phone No.: ( )	Extension:	
5. Fax No.: ( )	E-mail Address:	

C. APPLICATION CONTACT

If TCEQ needs additional information regarding this application, who should be contacted?

1. Name: David Swain	Title: Project Manager	Company: Comal Independent School District
2. Phone No.: (830) 221-2184	Extension:	
3. Fax No.: 830 221-2009	E-mail Address: david.swain@comalisd.org	

D. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

1. TCEQ Issued RE Reference Number (RN) (if available): 101195089

2. Name of Project or Site (the name as known by the community where this facility/project is located):

Arlon Seay Elementary School

(example: phase and name of subdivision or name of project that's unique to the site)

3. Physical Address of Project or Site: (enter in spaces below)

Street Number: 20911	Street Name: State Highway 46W	
City: Spring Branch	ZIP Code: 78070	County (Counties if >1):

4. If no physical address (Street Number & Street Name), provide a written location access description to the site:
(Ex.: phase 1 of Woodland subdivision located 2 miles west from intersection of Hwy 290 & IH35 accessible on Hwy 290 South)

5. Latitude: 29 deg 47 min 35sec N	Longitude: 98 deg 25 min 14 sec W

6. What is the primary business of this entity? In your own words, briefly describe the primary business of the Regulated Entity:
(Do not repeat the SIC and NAICS code) Elementary School

7. What is the mailing address and contact information for the regulated entity?

Is the RE mailing address the same as the Operator? ☐ Yes, address is the same as Operator ☑ No, provide the address

Street Number: 20911	Street Name: State Highway 46W	
City: Spring Branch	State: TX	ZIP Code: 78070

E. GENERAL CHARACTERISTICS

1. I certify that the project/site is not located on Indian Country Lands? ☑ Yes ☐ No
If No, you must obtain authorization through EPA, Region VI.

2. Is this NOI being submitted due to a change in Operator? ☐ Yes ☑ No

3. What is the Standard Industrial Classification (SIC) code (see instructions for common codes):

Primary: 8211 Secondary:

4. What is the total number of acres disturbed? 4 acres

Is the project site part of a larger common plan of development or sale? ☑ Yes ☐ No

If Yes, the total number of acres disturbed can be less than 5 acres.

If No, the total number of acres disturbed must be 5 or more. If the total number of acres disturbed is less than 5 then the project site does not qualify for coverage through this Notice of Intent. Coverage will be denied. See the requirements in the general permit for small construction sites.

5. Discharge Information

a. What is the name of the first water body to receive the storm water runoff or potential runoff from the site? Lewis Creek

b. What is the segment number(s) of the classified water body(s) that the discharge or potential discharge will eventually reach? 1908

c. Is the discharge into an MS4? ☐ Yes ☑ No

If Yes, what is the name of the MS4 Operator?

Note: The general permit requires you to send a copy of the NOI to the MS4 Operator.

6. Is the discharge or potential discharge within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer? ☑ Yes ☐ No

If the answer is Yes, please note that a copy of the agency approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) must be included in the Storm Water Pollution Prevention Plan.

F. CERTIFICATION

Check "Yes" to the certifications below. Failure to indicate "Yes" to ALL items may result in denial of coverage under the general permit.

I certify that I have obtained a copy and understand the terms and conditions of the general permit TX150000.	☑ Yes
I certify that the activities at this site qualify for coverage under the general permit TX150000.	☑ Yes
I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.	☑ Yes
I understand that permits active on September 1st of each year will be assessed an Annual Water Quality Fee.	☑ Yes
I certify that a Storm Water Pollution Prevention Plan (SWP3) has been prepared and implemented as required by the general permit.	☑ Yes

Operator Certification:

I, Thomas Bloxham (Typed or printed name *(Required)*) Assistant Superintendent of Support Services (Title *(Required)*)

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

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

Signature: [signature] (Use blue ink) Date: 5-9-07

Did you complete everything? Use this checklist to be sure!

Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

	Customer GP Notice of Intent Checklist TXR150000
√	This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the general permit. (See NOI Process description in the Instructions)
☐	Application Fee was sent to TCEQ's Cashiers's Office and the check information is listed, or the EPAY payment voucher is attached.
	OPERATOR INFORMATION - Confirm each item is complete:
☐	Customer Number (CN) issued by TCEQ Central Registry
☐	Legal Name as filed to do business in Texas (Call TX SOS 512/463-5555)
☐	Operator Mailing Address is complete & verifiable with USPS. www.usps.com
☐	Phone Numbers/E-mail Address
☐	Type of Operator (Entity Type)
☐	Independent Operator
☐	Number of Employees
☐	For Corporations or Limited Partnerships – Tax ID and SOS Filing numbers
☐	Billing Address is complete & verifiable with USPS. www.usps.com
	REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE - Confirm each item is complete:
☐	Regulated Entity Reference Number (RN) (if site is already regulated by TCEQ)
☐	Site/Project Name/Regulated Entity
☐	Site/Project (RE) Physical Address Please do not use a rural route or post office box for a site location
☐	Latitude and Longitude www.tceq.state.tx.us/gis/drgview.html or www.terraserver.microsoft.com/advfind.aspx.
☐	Business description
☐	Site Mailing Address (checked same as operator or complete & verifiable with USPS. www.usps.com)
	GENERAL CHARACTERISTICS - Confirm each item is complete:
☐	Indian Country Lands –the facility is not on Indian Country Lands
☐	Change in Operator
☐	Standard Industrial Classification (SIC) code www.osha.gov/oshstats/sicser.html
☐	Acres Disturbed is provided and qualifies for coverage through a NOI.
☐	Discharge Information (receiving water body, segment no. and MS4 Operator)
☐	Edwards Aquifer Rule
	CERTIFICATION
☐	Certification statements have been checked indicating "Yes"
☐	Signature meets 30 Texas Administrative Code (TAC) §305.44 and is original and has been provided for the Operator.

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity under TPDES General Permit (TXR150000)

General Information and Instructions

GENERAL INFORMATION

Where to Send the Notice of Intent (NOI) and other related forms:

BY REGULAR U.S. MAIL
Texas Commission on Environmental Quality
Storm Water Processing Center (MC228)
P.O. Box 13087
Austin, TX 78711-3087

BY OVERNIGHT/EXPRESS MAIL
Texas Commission on Environmental Quality
Storm Water Processing Center (MC228)
12100 Park 35 Circle
Austin, TX 78753

TCEQ Contact list:

Application Processing Questions relating to the status and form requirements:	512/239-3700 or swpermit@tceq.state.tx.us
Technical Questions relating to the general permit:	512/239-4671 or swgp@tceq.state.tx.us
Environmental Law Division:	512/239-0600
Records Management for obtaining copies of forms submitted to TCEQ:	512/239-0900
Information Services for obtaining reports from program data bases (as available):	512/239-DATA (3282)
Financial Administration's Cashier's office:	512/239-0357 or 512/239-0187

Notice of Intent Process:

When your NOI is received by the program, the form will be processed as follows:

1. Administrative Review: Each item on the form will be reviewed for a complete response. In addition, the operator's legal name must be verified with Texas Secretary of State as valid and active (if applicable). The address(s) on the form must be verified with the US Postal service as an address receiving regular mail delivery. Never give an overnight/express mailing address.

2. Notice of Deficiency: If an item is incomplete or not verifiable as indicated above, a notice of deficiency (NOD) will be mailed to the operator. The operator will have 30 days to respond to the NOD. The response will be reviewed for completeness.

3. Acknowledgment of Coverage: An Acknowledgment Certificate will be mailed to the operator. This certificate acknowledges coverage under the general permit.

-or-

Denial of Coverage: If the operator fails to respond to the NOD or the response is inadequate, coverage under the general permit may be denied. If coverage is denied, the operator will be notified.

General Permit (Your Permit)
Coverage under the general permit begins **48 hours after a completed NOI is postmarked for delivery** to the TCEQ. You should have a copy of your general permit when submitting your application. You may view and print your permit for which you are seeking coverage, on the TCEQ web site www.tceq.state.tx.us

General Permit Forms
The Notice of Intent (NOI), Notice of Termination (NOT), and Notice of Change (NOC) with instructions are available in Adobe Acrobat PDF format on the TCEQ web site www.tceq.state.tx.us.

Change in Operator
An authorization under the general permit is not transferable. If the operator or owner of the regulated entity changes, the present permittee must submit a Notice of Termination and the new operator must submit a Notice of Intent. The NOT and NOI must be submitted not later than 10 days prior to the change in Operator status.

TCEQ Central Registry Core Data Form
The Core Data Form has been incorporated into this form. **Do not send a core data form to TCEQ.**

After final acknowledgment of coverage under the general permit, the program will assign a Customer Number (CN) and Regulated Entity Number (RN). For Construction Permits, a new RN will be assigned for each Notice of Intent filed with TCEQ, since construction project sites can overlap with other Customers. The RN assigned to your construction project will not be assigned to any other TCEQ authorization.

You can find the information on the Central Registry web site at: www4.tceq.state.tx.us/crpub. You can search by the Regulated Entity (RN), Customer Number (CN) or Name (Permittee), or by your permit number under the search field labeled "Additional ID". Capitalize all letters in the permit number.

The Customer (Permittee) is responsible for providing consistent information to the TCEQ, and for updating all CN and RN data for all authorizations as changes occur. For General Permits, a Notice of Change form must be submitted to the program area.

Fees are associated with a General Permit

The general permit refers to two different fees that apply to the operator submitting a Notice of Intent (NOI) and authorized under the General Permit. Payment of the fees may be made by check or money order, payable to TCEQ, or through EPAY (electronic payment) through the web.

Fees:

1. Application Fee: This fee is required to be paid at the time the NOI is submitted. Failure to submit payment at the time the application is filed will cause delays in acknowledgment or denial of coverage under the general permit.

• Mailed Payments:

Payment must be mailed under separate cover at one of the addresses below using the attached Application Fee submittal form. (DO NOT SEND A COPY OF THE NOI WITH THE APPLICATION FEE SUBMITTAL FORM)

BY REGULAR U.S. MAIL
Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL
Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

• ePAY Electronic Payment:

Go to https://www6.tceq.state.tx.us/epay/

When making the payment you must select Water Quality, then select the fee category "GENERAL PERMIT CONSTRUCTION STORM WATER DISCHARGE NOI APPLICATION". You must include a copy of the payment voucher with your NOI. Your NOI will not be considered complete without the payment voucher.

2. Annual Water Quality Fee: This fee is assessed to operators with an active authorization under the general permit on September 1 of each year. The operator will receive an invoice for payment of the annual fee in November of each year. The payment will be due 30 days from the invoice date. A 5% penalty will be assessed if the payment is received by TCEQ after the due date. Annual fee assessments cannot be waived as long as the authorization under the general permit is active on September 1. It's important for the operator to submit a Notice of Termination (NOT) when coverage under the general permit is no longer required. A NOT is effective on the postmarked date of mailing the form to TCEQ. It is recommended that the NOT be mailed using a method that documents the date mailed and received by TCEQ.

• Mailed Payments:

You must return your payment with the billing coupon provided with the billing statement.

• ePAY Electronic Payment:

Go to https://www6.tceq.state.tx.us/epay/

You must enter your account number provided at the top portion of your billing statement. Payment methods include Mastercard, Visa, and electronic check payment (ACH). A transaction over $500 can only be made by ACH.

INSTRUCTIONS FOR FILLING OUT THE NOI FORM

A. OPERATOR (As defined in the general permit.)

1. TCEQ Issued Customer Number (CN)

TCEQ's Central Registry will assign each customer a number that begins with "CN," followed by nine digits. This is not a permit number, registration number, or license number.

- If this customer has not been assigned a Customer Reference Number, leave the space for the Customer Reference Number blank.
- If this customer has already been assigned this number, enter the operator's Customer Reference Number in the space provided.

2. Legal Name

Provide the legal name of the facility operator, as authorized to do business in Texas. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or on other legal documents forming the entity, that is filed in the county where doing business. You may contact the SOS at 512/463-5555, for more information related to filing in Texas. If filed in the county where doing business, provide a copy of the legal documents showing the legal name.

3. Operator Mailing Address

Provide a complete mailing address for receiving mail from the TCEQ. The address must be verifiable with the US Postal Service at www.usps.com., for regular mail delivery (not overnight express mail). If you find that the address is not verifiable using the USPS web search, please indicate the address is used by the USPS for regular mail delivery.

4. Phone Number
This number should correspond to this customer's mailing address given earlier. Enter the area code and phone number here. Leave "Extension" blank if this customer's phone system lacks this feature.

5. Fax Number and E-mail Address
This number and E-mail address should correspond to operator's mailing address provided earlier. (Optional Information)

6. Type of Entity
Check only one box that identifies the type of entity. Use the descriptions below to identify the appropriate entity type:

Individual is a customer who has not established a business, but conducts an activity that needs to be regulated by the TCEQ.

Sole Proprietorship—D.B.A. is a customer that is owned by only one person and has not been incorporated. This business may:
- be under the person's name
- have its own name ("doing business as," or d.b.a.)
- have any number of employees

Partnership is a customer that is established as a partnership as defined by the Texas Secretary of State's Office.

Corporation is a customer that meets all of these conditions:
- is a legally incorporated entity under the laws of any state or country
- is recognized as a corporation by the Texas Secretary of State
- has proper operating authority to operate in Texas.

Government - Federal, state, county, or city government (as appropriate)
the customer is either an agency of one of these levels of government or the governmental body itself.

Other is Estate, Trust, etc.
the customer does not fit one of the above descriptions. Enter a short description of the type of customer in the blank provided.

7. Independent Operator
Check "No" if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check "Yes."

8. Number of Employees
Check one box to show the number of employees for this customer's entire company, at all locations. This is not necessarily the number of employees at the site named in the NOI.

9. State Franchise Tax ID Number
Corporations and limited liability companies that operate in Texas are issued a franchise tax identification number. If this customer is a corporation or limited liability company, enter this number here.

Federal Tax ID
All businesses, except for some small sole proprietors, individuals, or general partnerships should have a federal taxpayer identification number (TIN). Enter this number here. Use no prefixes, dashes, or hyphens. Sole proprietors, individuals, or general partnerships do not need to provide a federal tax ID.

TX SOS Charter (filing) Number
Corporations and Limited Partnerships required to register with the Texas Secretary of State are issued a charter or filing number. You may obtain further information by calling SOS at 512/463-5555.

DUNS Number
Most businesses have a DUNS (Data Universal Numbering System) number issued by Dun and Bradstreet Corp. If this customer has one, enter it here.

B. Billing Address

An annual fee is assessed to each operator holding an active authorization under the general permit on September 1 of each year. Provide the complete mailing address where the annual fee invoice should be mailed. Verify the address with the USPS. It must be an address for delivery of regular mail, not overnight express mail. Also, provide a phone number of the operator's representative responsible for payment of the invoice.

Country Mailing Information
If this address is outside the United States, enter the territory name, country code, and any non-ZIP mailing codes or other non-U.S. Postal Service features here. If this address is inside the United States, leave these spaces blank.

C. Application Contact

Provide the name, title and communication information of the person that TCEQ can contact for additional information regarding this application.

D. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

1. Regulated Entity Reference Number (RN)

This is a number issued by TCEQ's Central Registry to sites (a location where a regulated activity occurs) regulated by TCEQ. This is not a permit number, registration number, or license number.
- If this Regulated Entity has not been assigned a Regulated Entity Number, leave this space blank.
- If this customer has been assigned this number, enter the operator's Regulated Entity Number.

2. Site/Project Name/Regulated Entity
Provide the name of the site as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity. A new regulated entity number is assigned by Central Registry for each new construction Notice of Intent since the area under control of the operator may not be contiguous within a project site.

3. Site/Project (RE) Physical Address

Enter the complete address of where the site is located. This address must be validated through US Postal Service or your local police (911 service) as a valid address. Please confirm this to be a complete and valid address. In some rural areas, new addresses are being assigned to replace rural route addresses. Please do not use a rural route or post office box for a site location.

If a site does not have an actual physical address that includes a street number and street name, enter NO ADDRESS for the street name. Then provide a complete written location access description. For example: "The site is located 2 miles west from intersection of Hwy 290 & IH35, located on the southwest corner of the Hwy 290 South bound lane." This includes authorizations for construction projects such as highways and subdivision.

Provide the city and ZIP code of the area where the facility is located. This is information is required to complete the processing of your form.

4. Latitude and Longitude

Enter the latitude and longitude of the site in either degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to: www.tceq.state.tx.us/gis/drgview.html or www.terraserver.microsoft.com/advfind.aspx.

5. Description of Activity Regulated

In your own words, briefly describe the primary business being conducted at the site. [A description specific to what you are doing that requires this authorization - Do not repeat the SIC Code(s).]

SITE MAILING ADDRESS

Provide a complete mailing address to be used by TCEQ for receiving mail at the site. In most cases, the address is the same as the operator. If so, simply place a check mark in the box. If you provide a different address, please verify the address with USPS as instructed above for the operator address.

E. GENERAL CHARACTERISTICS

1. Indian Country Lands

If your site is located on Indian Country Lands, the TCEQ does not have authority to process your application. You must obtain authorization through EPA, Region VI, Dallas. Do not submit this form to TCEQ.

Indian Country means (1) all land within the limits of any American Indian reservation under the jurisdiction of the U.S. government, notwithstanding the issuance of any patent, and including rights-of-way running throughout the reservation; (2) all dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or outside the limits of a State; and (3) all Indian allotments, the Indian titles which have not been extinguished, including rights-of-way running through the same.

Indian Tribe means any Indian Tribe, band, nation, or community recognized by the Secretary of the Interior and exercising substantial governmental duties and powers.

2. Indicate if the NOI is being submitted due to a change in operator.

3. Standard Industrial Classification (SIC) code

Provide the SIC code that best describes the construction activity being conducted at the site.
Common SIC Codes related to construction activities include: 1521 Construction of Single Family Homes; 1522 Construction of Residential Bldgs. Other than Single Family Homes; 1541 Construction of Industrial Bldgs. and Warehouses; 1542 Construction of Non-residential Bldgs. other than Industrial Bldgs. and Warehouses; 1611 Highway & Street Construction, except Highway Construction; 1622 Bridge, Tunnel, & Elevated Highway Construction; 1623 Water, Sewer, Pipeline & Communications, and Power Line Construction. For help with SIC codes, go to: www.osha.gov/oshstats/sicser.html

4. Estimated Area of Land Disturbed

Provide the approximate number of acres that the construction site will disturb.

Construction activities that disturb less than one acres, unless they are part of a larger common plan that disturbs more than one acre, do not require permit coverage.

Construction activities that disturb between one and five acres, unless they are part of a common plan that disturbs five acres or more acres, do not require submission of an NOI. Therefore, the estimated area of land disturbed should not be less than five, unless the project is part of a larger common plan that disturbs five or more acres.

"Disturb" means any clearing, grading, excavating, or other similar activities. If you have any questions about this item, please call the storm water technical staff at (512)239-4671.

5. Discharge Information

a. The storm water may be discharged directly to a receiving stream or through a MS4* from your site. It eventually reaches a receiving water body such as a local stream or lake, possibly via a drainage ditch. You must provide the name of the water body that receives the discharge from the site (a local stream or lake).

b. Identify the classified segment number. Go to the link to find the segment number of the classified water body where wastewater will flow http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/viewer/viewer.html .

c. Identify the MS4* Operator name if the storm water discharge is into an MS4.

*MS4 is an acronym for Municipal separate storm sewer system. MS4 is defined as a separate storm sewer system owned or operated by a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under state law such as a sewer district, flood control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, that discharges to water in the state.

For assistance, you may call the technical staff of the Water Quality Assessment & Standards Section at 512/239-4671.

6. Edwards Aquifer Rule

See maps on the TCEQ website to determine if the site is located within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer at http://www.tceq.state.tx.us/compliance/field_ops/eapp/viewer.html.

If the discharge or potential discharge is within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, a site specific authorization approved by the Executive Director under the Edwards Aquifer Protection Program (30 TAC Chapter 213) is required before construction can begin.

The general permit requires the approved Contributing Zone Plan or Water Pollution Abatement Plan to be included as a part of the Storm Water Pollution Prevention Plan. The certification must be answered "Yes" for coverage under the general permit.

F. CERTIFICATIONS

Failure to indicate "Yes" to ALL of the certification items may result in denial of coverage under the general permit.

The certification must bear an original signature of a person meeting the signatory requirements specified under 30 Texas Administrative Code (TAC) §305.44.

IF YOU ARE A CORPORATION:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(1) (see below). According to this code provision, any corporate representative may sign an NOI or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the NOI or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

IF YOU ARE A MUNICIPALITY OR OTHER GOVERNMENT ENTITY:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(3) (see below). According to this code provision, only a ranking elected official or principal executive officer may sign an NOI or similar form. Persons such as the City Mayor or County Commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statute(s) under which your government entity was formed. An NOI or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to §305.44(a)(3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the NOI or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.

If you have any questions or need additional information concerning the signatory requirements discussed above, please contact the Texas Commission on Environmental Quality's Environmental Law Division at 512/239-0600.

30 Texas Administrative Code
§305.44. Signatories to Applications.

(a) All applications shall be signed as follows.

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

(2) For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

(3) For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

Texas Commission on Environmental Quality
General Permit Payment Submittal Form

Use this form to submit your Application Fee only if you are mailing your payment.

- Complete items 1 through 5 below:
- Staple your check in the space provided at the bottom of this document.
- Do not mail this form with your NOI form.
- Do not mail this form to the same address as your NOI.

Mail this form and your check to:

BY REGULAR U.S. MAIL	BY OVERNIGHT/EXPRESS MAIL
Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 P.O. Box 13088 Austin, TX 78711-3088	Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 12100 Park 35 Circle Austin, TX 78753

Fee Code: GPA General Permit: TXR150000

1. Check / Money Order No:
2. Amount of Check/Money Order:
3. Date of Check or Money Order:
4. Name on Check or Money Order:

5. NOI INFORMATION

If the check is for more than one NOI, list each Project/Site (RE) Name and Physical Address exactly as provided on the NOI. DO NOT SUBMIT A COPY OF THE NOI WITH THIS FORM AS IT COULD CAUSE DUPLICATE PERMIT ENTRIES.

See Attached List of Sites (If more space is needed, you may attach a list.)

Project/Site (RE) Name:

Project/Site (RE) Physical Address:

Staple Check In This Space

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

I, Thomas Bloxham,
Print Name

Assistant Superintendent of Support Services
Title - Owner/President/Other

of Comal Independent School Disrtict
Corporation/Partnership/Entity Name

have authorized Duane A. Moy
Print Name of Agent/Engineer

of Moy Civil Engineers
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. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and the forms must accompany the completed application.

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. For applicants who are not the property owner, but who have the right to control and possess and control the property, additional authorization is required from the owner.

Applicant's Signature

5-9-07
Date

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Thomas Bloxham 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 9th day of May 2007

Nancy J. Denton
NOTARY PUBLIC

NANCY J. DENTON
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
AUGUST 11, 2010

Nancy J. Denton
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 8/11/2010

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
EDWARDS AQUIFER PROTECTION PROGRAM
CONTRIBUTING ZONE FEE APPLICATION FORM

NAME OF PROPOSED PROJECT: Arlon Seay School

PROJECT LOCATION: 20911 State Highway 46W, Spring Branch TX 78070

NAME OF APPLICANT: Comal Independent School District

APPLICANT'S ADDRESS: 1404 I-35 N, Spring Branch, Texas 78130

CONTACT PERSON: Thomas Bloxham PHONE: (830) 221-2184
Please Print

AUSTIN REGIONAL OFFICE (3373)
☐ Hays
☐ Travis
☐ Williamson

SAN ANTONIO REGIONAL OFFICE (3362)
☐ Bexar
☒ Comal
☐ Kinney
☐ Medina
☐ Uvalde

APPLICATION FEES MUST BE PAID BY CHECK, CERTIFIED CHECK, OR MONEY ORDER, PAYABLE TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY. YOUR CANCELED CHECK WILL SERVE AS YOUR RECEIPT. **THIS FORM MUST BE SUBMITTED WITH YOUR FEE PAYMENT. THIS PAYMENT IS BEING SUBMITTED TO (CHECK ONE):**

☒ **SAN ANTONIO REGIONAL OFFICE**

☐ **Mailed to TCEQ:**
TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ **AUSTIN REGIONAL OFFICE**

☐ **Overnight Delivery to TCEQ:**
TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
512/239-0347

Check one:

☒ **Contributing Zone Plan - Fee Due $250**

☐ **Modification of a Previously Approved Contributing Zone Plan - Fee Due $250**

☐ **Extension of Time Request - Fee Due $100**

Thomas Bloxham
Signature

5-9-07
Date

TCEQ Core Data Form

TCEQ Use Only

If you have questions on how to fill out this form or about our Central Registry, please contact us at 512-239-5175.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

SECTION I: General Information

1. Reason for Submission *Example: new wastewater permit; IHW registration; change in customer information; etc.*

Improvements within the Edwards Aquifer Contributing Zone

2. Attachments		Describe Any Attachments: *(ex: Title V Application, Waste Transporter Application, etc.)*
X YES	NO	Contributing Zone Plan

3. Customer Reference Number-*if issued*		4. Regulated Entity Reference Number-*if issued*	
CN	600249825 *(9 digits)*	RN	101195089 *(9 digits)*

SECTION II: Customer Information

5. Customer Role *(Proposed or Actual)* -- As It Relates to the Regulated Entity Listed on This Form

Please check one of the following:	X	Owner		Operator		Owner and Operator
	Occupational Licensee		Volunteer Cleanup Applicant			Other
TCEQ Use Only		Superfund		PST		Respondent

6. General Customer Information

	New Customer	X	Change to Customer Information
	Change in Regulated Entity Ownership		No Change *

*If No Change@ and Section I is complete, skip to Section III - Regulated Entity Information.

7. Type of Customer:					
	Individual		Sole Proprietorship - D.B.A.		
	Partnership		Corporation		Federal Government
	State Government		County Government		City Government
X	Other Government	School District	Other:		

8. Customer Name *(If an individual, please print last name first)*	*If new name, enter previous name:*
Comal Independent School District	

9. Mailing Address:	1404 I-35 N			
	City	State	ZIP	ZIP + 4
	New Braunfels	TX	78130	

10. Country Mailing Information *if outside USA*	11. E-Mail Address *if applicable*
	david.swain@comalisd.org

12. Telephone Number	13. Extension or Code	14. Fax Number *if applicable*
830-221-2184	6	830-221-2009

15. Federal Tax ID *(9 digits)*	16. State Franchise Tax ID Number *if applicable*	17. DUNS Number *if applicable (9 digits)*
746001777	1-74-6001777-9	

18. Number of Employees									19. Independently Owned and Operated?			
	0-20	X	21-100		101-250		251-500		501 and higher		Yes		No

SECTION III: Regulated Entity Information

20. General Regulated Entity Information

	New Regulated Entity		Change to Regulated Entity Information	X	No Change*

*If "No Change" and Section I is complete, skip to Section IV - Preparer Information.

21. Regulated Entity Name *(If an individual, please print last name first)*				
Arlon Seay School				
22. Street Address (No PO Boxes)	20911 State Hwy. 46 W.			
	City	State	ZIP	ZIP + 4
	Spring Branch	TX	78070	
23. Mailing Address	1404 I-35			
	City	State	ZIP	ZIP + 4
	New Braunfels	TX	78130	
24. E-Mail Address:	david.swain@comalisd.org			

25. Telephone Number	26. Extension or Code	27. Fax Number *if applicable*
830-221-2184	6	830-221-2009

28. Primary SIC Code (4 digits)	29. Secondary SIC Code (4 digits)	30. Primary NAICS Code (5 or 6 digits)	31. Secondary NAICS Code (5 or 6 digits)
8211		61111	611110

32. What is the Primary Business of this entity? (Please do not repeat the SIC or NAICS description)

Elementary School

Questions 33 - 37 address geographic location. Please refer to the instructions for applicability.

33. County: Comal

34. Description of Physical Location

20911 State Hwy. 46 W. South side of Hwy. 46, west of Hwy 281) in Spring Branch, Texas

35. Nearest City	State	Nearest Zip
Spring Branch	TX	78070

36. Latitude (N)			*37. Longitude (W)*		
Degrees	*Minutes*	*Seconds*	*Degrees*	*Minutes*	*Seconds*
29	47	36	98	25	44

38. TCEQ Programs In Which This Regulated Entity Participates *Not all programs have been listed. Please add to this list as needed. If you don't know or are unsure, please mark "Unknown".* If you know a permit or registration # for this entity, please write it below the program."

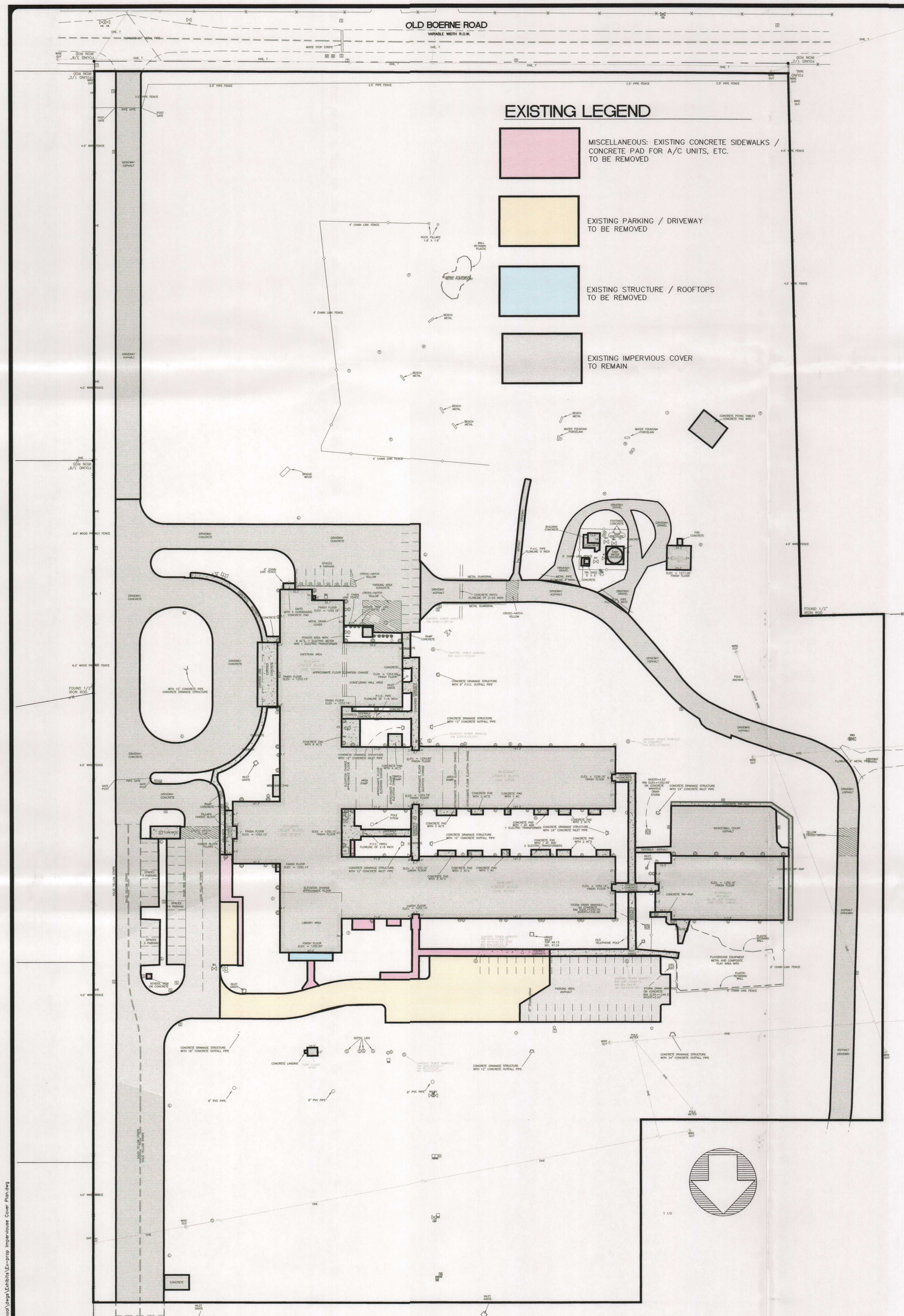
	Animal Feeding Operation		Petroleum Storage Tank		Water Rights
	Title V - Air		Wastewater Permit		
	Industrial & Hazardous Waste		Water Districts	X	**Edwards Aquifer Protection**
	Municipal Solid Waste		Water Utilities		Unknown
	New Source Review - Air		Licensing - TYPE(s)		

Section IV: Preparer Information

39. Name	40. Title
Suzanne Crawford	Project Manager

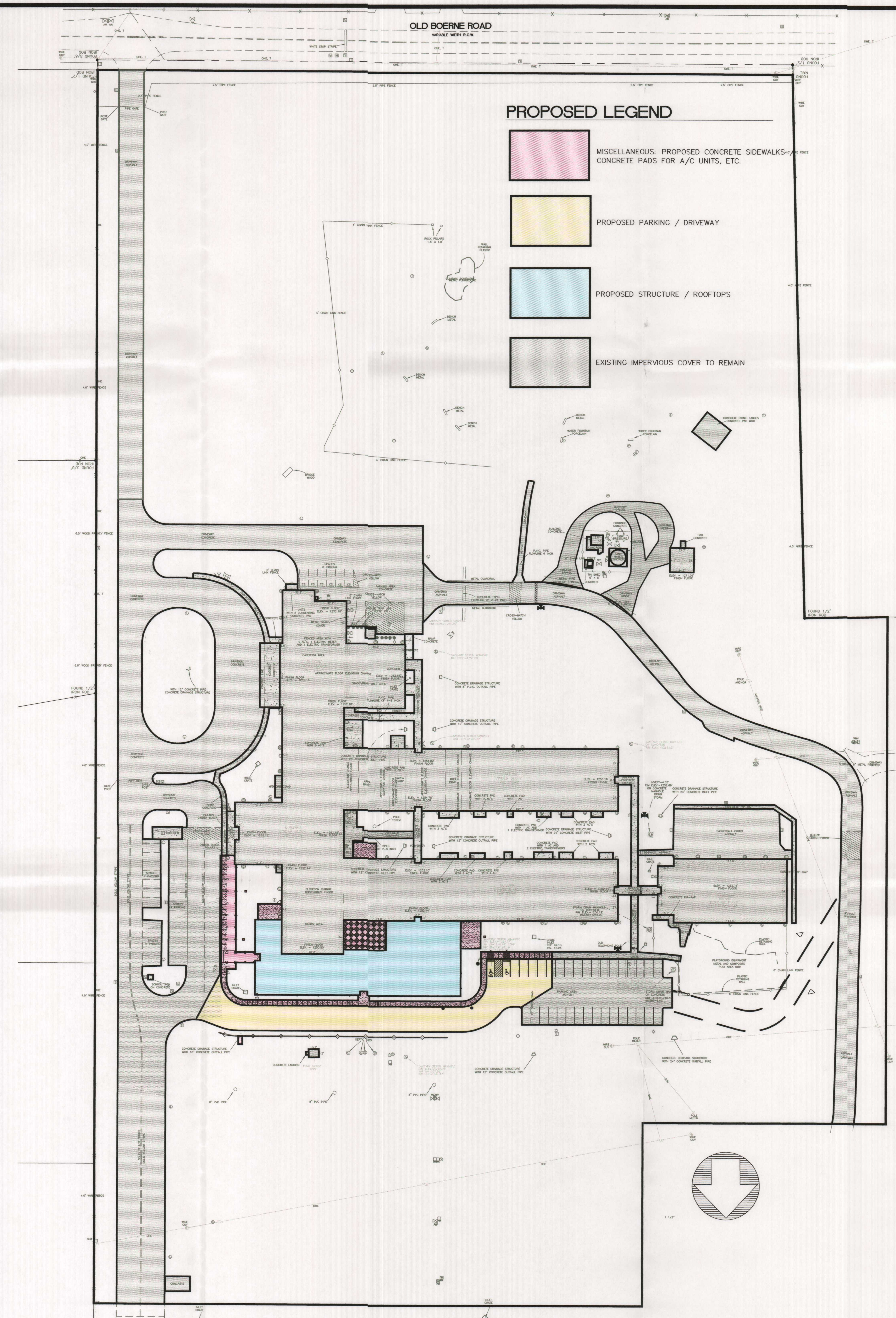
41. Telephone Number	42. Extension or Code	43. Fax Number *if applicable*
210-698-5051	205	210-698-5085

44. E-mail Address: scrawford@moy-ce.com



EXISTING IMPERVIOUS COVER PLAN

SCALE: 1"=60'



PROPOSED IMPERVIOUS COVER PLAN

SCALE: 1"=60'

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:
070180	S.C.	J.U.	D.A.M.	5/24/07

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

STATE OF TEXAS
DUANE A. MOY
69258
REGISTERED PROFESSIONAL ENGINEER
5/24/07

MAY 25 2007

ARLON SEAY SCHOOL

EXISTING /PROPOSED IMPERVIOUS COVER PLAN

SHEET 1 OF 3

LEGEND

- MISCELLANEOUS: CONCRETE SIDEWALKS / CONCRETE PADS
- PARKING / DRIVEWAY
- STRUCTURE / ROOFTOPS
- CONTRIBUTING AREAS TO BMP
- VEGETATED FILTER STRIP
- LIMITS OF AREA TO BE DISTURBED
- V.S.-1 VEGETATED STRIP NUMBER 1
- —1200— EXISITNG CONTOURS
- —1200— PROPOSED CONTOURS

BMP KEYNOTES

1. SILT FENCE
2. BAGGED GRAVEL INLET FILTER
3. ROCK BERM
4. TEMPORARY CONSTRUCTION ENTRANCE\EXIT

Texas Commission on Environmental Quality
Contributing Zone Plan
General Construction Notes

1. Written construction notification should be provided to the appropriate TCEQ regional office no later than 48 hours prior to commencement of the regulated activity. Information should 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 with the name and telephone number of the contact person.
2. All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on-site.
3. No temporary aboveground hydrocarbon and hazardous substance storage tank system may be installed within 150 feet if a domestic, industrial, irrigation, or public water supply well.
4. Prior to commencing construction, all temporary erosion and sedimentation (E&S) control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. Controls specified in the SWPPP section of the approved Edwards Aquifer Contributing Zone 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.
5. 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).
6. 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.
7. 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).
8. All spoils (excavated material) generated from the project site and stored on-site must have proper E&S controls installed.
9. 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.
10. The following records should 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.
11. The holder of any approved Contributing Zone 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 best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
    B. any change in the nature or character of the regulated activity from that which was originally approved;
    C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
    D. any development of land previously identified in a contributing zone plan as undeveloped.

Austin Regional Office 1921 Cedar Bend, Suite 150 Austin, Texas 78758-5336 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.

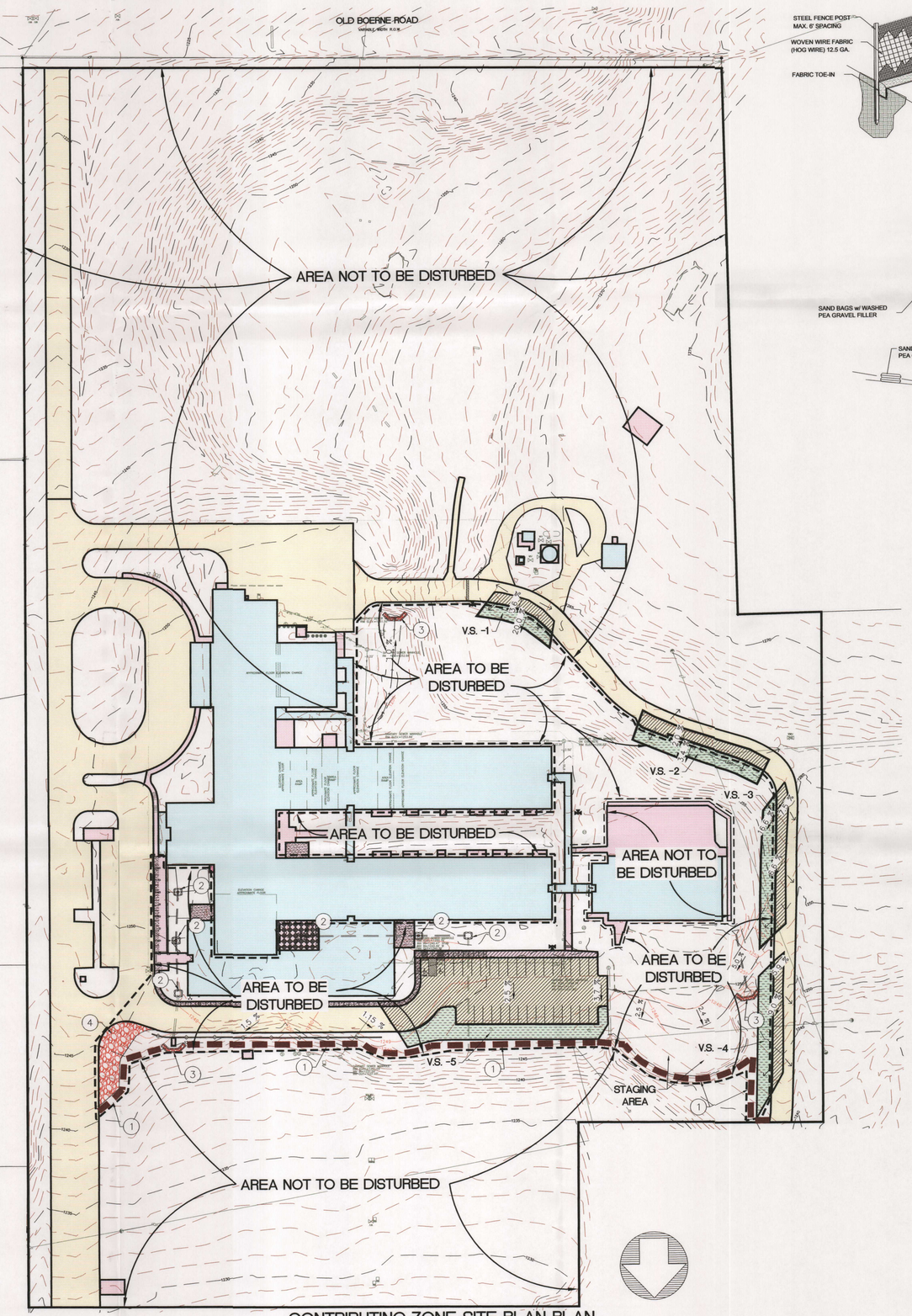
GENERAL NOTES

LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED. THESE ARE THE TEMPORARY BEST MANAGEMENT PRACTICES.

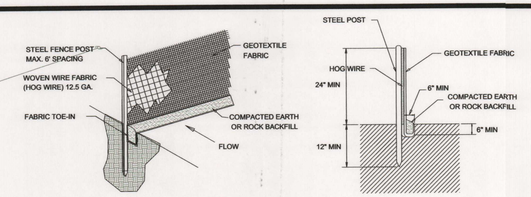
SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE AREAS DISTURBED THROUGH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.

THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.

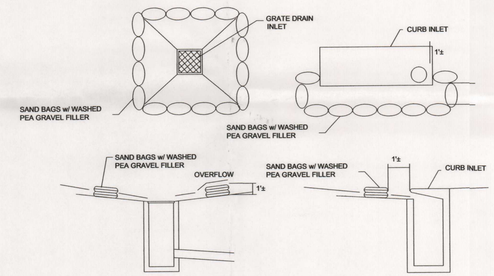
VEGETATIVE FILTER STRIPS ARE 15 FOOT LONG IN THE DIRECTION OF FLOW.



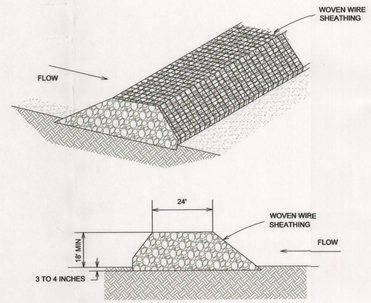
CONTRIBUTING ZONE SITE PLAN PLAN
SCALE: 1"=60'



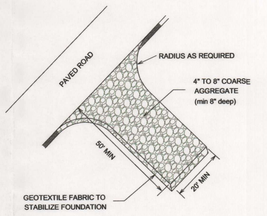
SILT FENCE
N.T.S.



BAGGED GRAVEL INLET FILTER
N.T.S.



ROCK BERM
N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE/EXIT
N.T.S.

NO.	DATE	REVISIONS DESCRIPTION	BY

PROJ. # 070180 | DSN. BY: S.C. | DWN. BY: J.U. | CHKD. BY: D.A.M. | DATE: 5/24/07

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

STATE OF TEXAS — DUANE A. MOY — 69258 — REGISTERED PROFESSIONAL ENGINEER

TCEQ RECEIVED MAY 25 2007 REGION 13

ARLON SEAY SCHOOL

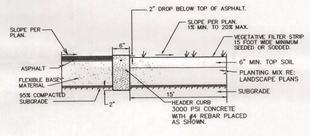
CONTRIBUTING ZONE SITE PLAN

SHEET 2 OF 3

R:\Arlon Seay School\Seay\Exhibits\7-2.ZZP Plan.dwg

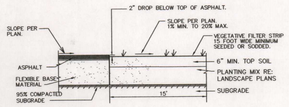
LEGEND

🟪	MISCELLANEOUS: CONCRETE SIDEWALKS/ CONCRETE PADS FOR A/C UNITS, ETC.
🟨	PARKING / DRIVEWAY
🟦	STRUCTURE / ROOFTOPS
▨	CONTRIBUTING AREAS TO BMP
🟩	VEGETATED FILTER STRIP
V.S.-1	VEGETATED STRIP NUMBER 1
— —1200— —	EXISITNG CONTOURS
——1200——	PROPOSED CONTOURS



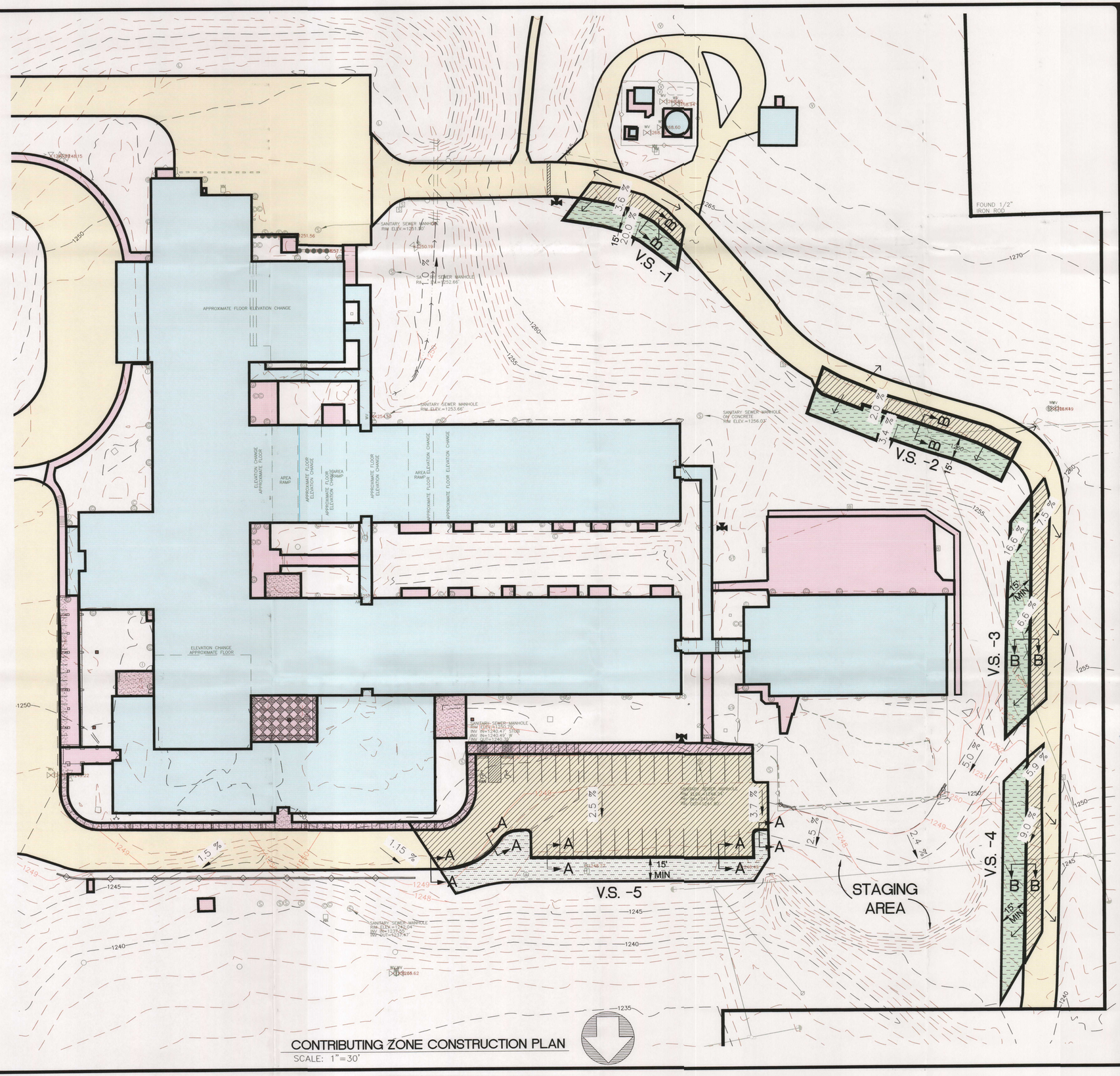
A-A VEGETATIVE FILTER STRIP ADJACENT TO HEADER CURB

N.T.S.



B-B VEGETATIVE FILTER STRIP WITH NO CURB

N.T.S.



CONTRIBUTING ZONE CONSTRUCTION PLAN

SCALE: 1"=30'

R:\Arlon Seay School\dwgs\Exhibits\7.3_CZP Plan.dwg

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PROJ. #	DGN. BY:	DWN. BY:	CHKD. BY:	DATE:
070180	S.C.	J.U.	D.A.M.	5/24/07

MOY CIVIL ENGINEERS
12770 CIMARRON PATH, SUITE 100
SAN ANTONIO, TEXAS 78249
TEL: (210) 698-5051
FAX: (210) 698-5085

DUANE A. MOY
69258

Duane A. Moy, P.E.
5/24/07

TCEQ-R13
MAY 25 2007
SAN ANTONIO

ARLON SEAY SCHOOL

CONTRIBUTING ZONE CONSTRUCTION PLAN

SHEET 3
OF 3

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2007

Mr. Thomas Bloxham
Comal Independent School District
1404 IH-35 N
New Braunfels, Texas 78130

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: CISD Arlon Seay Elementary School; Located on Highway 46, west of Highway 281; Comal County, Texas
TYPE OF PLAN: Request for Modification of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
Edwards Aquifer Protection Program ID No. 2663.01; Investigation No. 593748; Regulated Entity No. RN105230361

Dear Mr. Bloxham:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for modification of the approved CZP 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 31, 2007. Final review of the WPAP was completed after additional material was received on October 24, 2007 and November 9, 2007. 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 23 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.*

BACKGROUND

The 20.29 acre site was originally approved on August 3, 2007 to remodel an existing elementary school. The existing impervious cover before the approval was 4.98 acres and the approved CZP added 0.49 acres (5.47 acres total). Six engineered filter strips were approved to treat the increase in total suspended solids from the site. This proposed modification will add additional parking to the site, modify previously approved filter strips and add additional filter strips.

PROJECT DESCRIPTION

The proposed commercial (elementary school) project will have an area of approximately 20.29 acres. It will include the addition of parking spaces and construction of vegetative filter strips and a water quality basin at the project site. There is 5.47 acres of existing impervious cover. This project will add 0.65

acres of impervious cover. The final impervious cover for the proposed site will be 6.12 acres (30.2%). According to a letter dated, March 7, 2007 (Permit No. WQ0013812002), signed by the TCEQ, 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 sedimentation filtration basin and vegetative (engineered) filter strips, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) will be constructed to treat stormwater runoff. For simplicity and since previously approved filter strips will be modified by this approval, the TSS calculations and basin sizing requirements will be based upon the increase of impervious cover from the original 4.98 acres. The required total suspended solids (TSS) treatment for this project is 1,023.3 pounds of TSS generated from the 1.14 acres of regulated impervious cover (0.49 acres from original approval and 0.65 acres from this approval). 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 0.32 acres of impervious cover from a watershed of 0.32 acres and 287.2 pounds of TSS. The total capture volume for the basin is 2,646 cubic feet (2,091 cubic feet required) and a sand filter area of 420 square feet (209 square feet required.

Five new engineered filter strips (V.S. 7, V.S. 8, V.S. 9, V.S. 10 and V.S. 11) will be constructed to treat 230.1 pounds of TSS from 0.2563 acres of impervious cover. Three previously approved filter strips (V.S. 1, V.S. 2 and V.S. 6) will be modified and treat 247.2 pounds of TSS from 0.2800 acres of impervious cover. Three previously approved filter strips (V.S. 3, V.S. 4 and V.S 5) will remain unchanged and treat 336.7 pounds of TSS from 0.3751 acres of impervious cover. The filter strips will extend along the entire length of the contributing area with a minimum width of 15 feet, a slope of 20 percent or less and a minimum vegetated cover of 80 percent.

Engineered Filter Strips at Arlon Seay Elementary School				
	Status	Aug. 3, 2007 Approved Contributing Area (ac)	New Proposed Contributing Area (ac)	New Proposed TSS Removal (lb/year)
V.S. 1	Modified	0.0272	0.1264	113.42
V.S. 2	Modified	0.0370	0.0556	49.89
V.S. 3	Unchanged	0.0205	0.0205	18.44
V.S. 4	Unchanged	0.0292	0.0292	26.17
V.S. 5	Unchanged	0.3254	0.3254	292.11
V.S. 6	Modified	0.0653	0.0934	83.85
V.S. 7	New	---	0.0352	31.61
V.S. 8	New	---	0.0291	26.15
V.S. 9	New	---	0.0618	55.47
V.S. 10	New	---	0.0277	24.89
V.S. 11	New	---	0.1025	91.96
	Total	0.5046	0.9068	813.96

SPECIAL CONDITIONS

I. The holder of the approved Edwards Aquifer CZP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.

II. 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 format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.

III. This modification is subject to all Special and Standard Conditions listed in the CZP approval letter dated August 3, 2007.

IV. Permanent pollution abatement measures shall be operational prior to use of the parking lots within the catchment area of the abatement measure.

V. 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.

VI. 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.

VII. 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.

VIII. Velocity controls may be required for stormwater entering the water quality basin if it becomes evident that the resuspension of solids in the water column is occurring.

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.

Prior to Commencement of Construction:

2. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.

3. Any modification to the activities described in the referenced CZP 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.

4. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

During Construction:

6. 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.

7. 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 significantly reduced. 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).

8. 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.

9. 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:

10. 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.

11. 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.

12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.

13. A Contributing Zone 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 Contributing Zone 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.

14. 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 Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/eg

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

cc: Mr. Duane Moy, P.E., Moy Civil Engineers
Mr. Tom Hornseth, Comal County
Ms. Velma Danielson, Edwards Aquifer Authority
TCEQ Central Records, Building F, MC 212

EXHIBIT "A"

Doc# 20070850442

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 3, 2007

Mr. Thomas Bloxham
Comal Independent School District
1404 I-35 North
New Braunfels, Texas 78130

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: CISD Arlon Seay Elementary School; Located on Hwy 46, west of Hwy 281; Comal County, Texas
TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer;
Edwards Aquifer Protection Program ID No. 2663.00; Investigation No. 562781; Regulated Entity No. RN105230361

Dear Mr. Bloxham:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the San Antonio Regional Office by Moy Civil Engineers on behalf of Comal Independent School District on May 25, 2007. Final review of the CZP was completed after additional material was received on July 27, 2007. 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 23 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

The proposed commercial (school) project will have an area of approximately 20.29 acres. It will include the renovations and improvements to an existing school site. There is 4.98 acres of existing impervious cover and the final impervious cover will be 5.47 acres (27%). According to a letter dated March 7, 2007 (Permit No. WQ0013812002), signed by the Texas Commission on Environmental Quality, 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, six vegetative (engineered) filter strips designed using the TCEQ technical guidance document, "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices" (2005) will be constructed to treat stormwater runoff. The individual treatment measures will consist of an engineered filter strip that runs the entire length of the contributing area and is at least 15 feet wide in the direction of flow with 80% minimum vegetative

7/C

Deed Recordation Affidavit Doc# 20070204240
Edwards Aquifer Protection Plan

THE STATE OF TEXAS §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Dr. Marc Walker, Superintendent who, being duly sworn by me, deposes and says:

(1) That my name is Dr. Marc Walker and that Comal Independent School District owns the real property described below.

(2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.

(3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) on August 3, 2007.

A copy of the letter of approval from the TCEQ is attached to this affidavit as Exhibit A and is incorporated herein by reference.

(4) The said real property is located in Comal County, Texas, and the legal description of the property is as follows: See attached Exhibit B.

LANDOWNER-AFFIANT

SWORN AND SUBSCRIBED TO before me, on this 1st day of October, 2007.

NOTARY PUBLIC

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Dr. Marc Walker 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 1st day of October, 2007.

NOTARY PUBLIC

Jean M Mendez
Typed or Printed Name of Notary

JEAN M. MENDEZ
Notary Public, State of Texas
My Commission Expires 2-18-2011

MY COMMISSION EXPIRES: 2/18/2011

TNRCC-0625 (Rev. 5/01/02)

coverage. There is 0.50 acres of impervious cover contributing to the engineered filter strips. The approved measures meet the required 80 percent removal of the increased load in total suspended solids caused by the project.

SPECIAL CONDITIONS

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II. 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 format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.

III. Any permanent pollution abatement measure shall be operational prior to occupancy or use of the facility within the BMP's respective drainage area.

IV. 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.

V. For any future modification, the impervious cover summary tables and TSS Load Removed by BMPs (provided in the July 26, 2007 deficiency notice response) shall be updated and included in the modification application. It is the responsibility of the applicant to maintain this information and keep it current.

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.

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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.

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12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.

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If you have any questions or require additional information, please contact Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/eg

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

cc: Mr. Duane Moy, P.E., Moy Civil Engineers
Mr. Robert Potts, Edwards Aquifer Authority
Mr. Tom Hornseth, Comal County
TCEQ Central Records, Building F, MC 212

Doc# 200705042240

EXHIBIT B

Field Notes for a 20.294 Acre Tract of Land

Being a 20.294 acre tract of land out of Lot 1, Cox Subdivision Unit 1 recorded in Volume 11, Page 209, Plat Records, Comal County, Texas, said 20.294 acre tract being more particularly described by metes and bounds as follows:

Beginning at a ½" iron rod found at the northeast corner of Lot 1, Cox Subdivision Unit 2 recorded in Volume 11, Page 210, Plat Records, Comal County, Texas, a re-entrant corner of Lot 1, Cox Subdivision Unit 1;

Thence, with the north line of Lot 1, Cox Subdivision Unit 2, a south line of Lot 1, Cox Subdivision Unit 1, South 88 degrees 44 minutes 09 seconds West, a distance of 83.36 feet to a point for corner;

Thence, departing the north line of Lot 1, Cox Subdivision Unit 2, severing Lot 1, Cox Subdivision Unit 1, the following four courses and distances,

North 00 degrees 10 minutes 52 seconds East, a distance of 506.68 feet to a point for corner,
South 89 degrees 49 minutes 08 seconds East, a distance of 244.16 feet to a point for corner,
North 00 degrees 10 minutes 52 seconds East, a distance of 183.12 feet to a point for corner,

and, South 89 degrees 49 minutes 08 seconds East, a distance of 550.00 feet to a point for the northeast corner of the herein described tract, said point being in the east line of Lot 1, Cox Subdivision Unit 1, the west line of Lot 1, Descending Dove Hills recorded in Volume 13, Page 16, Plat Records, Comal County, Texas;

Thence, with the east line of Lot 1, Cox Subdivision Unit 1, the west line of Lots 1, 4 and 5, Descending Dove Hills, South 00 degrees 09 minutes 53 seconds West, a distance of 609.02 feet to a ½" iron rod found at the southwest corner of Lot 5, Descending Dove Hills, the northwest corner of a 3.000 acre tract recorded in Volume 349, Page 539, Deed Records, Comal County, Texas;

Thence, continuing with the east line of Lot 1, Cox Subdivision Unit 1, the west line of said 3.000 acre tract, South 00 degrees 01 minutes 53 seconds West, a distance of 232.50 feet to a 3/8" iron rod found at the southwest corner of said 3.000 acre tract, the northwest corner of a 3.005 acre tract recorded in Document # 200406044287, Comal County, Texas;

Thence, continuing with the east line of Lot 1, Cox Subdivision Unit 1, the west line of said 3.005 acre tract, South 00 degrees 18 minutes 23 seconds West, a distance of 389.66 feet to a ½" iron rod found in the north line of Old Boerne Road for the southeast corner of the herein described tract, the southeast corner of Lot 1, Cox Subdivision Unit 1;

Thence, departing the west line of said 3.005 acre tract, with the north line of Old Boerne Road, the south line of Lot 1, Cox Subdivision Unit 1, North 89 degrees 45 minutes 15 seconds West, a distance of 696.60 feet to a ½" iron rod found for the southwest corner of the herein described tract, the southwest corner of Lot 1, Cox Subdivision Unit 1, the southeast corner of Lot 1, Cox Subdivision Unit 2;

Thence, departing the north line of Old Boerne Road, with a west line of Lot 1, Cox Subdivision Unit 1, the east line of Lot 1, Cox Subdivision Unit 2, North 01 degrees 18 minutes 46 seconds West, a distance of 542.87 feet to the Place of Beginning and containing 20.294 acres of land.

Doc# 200705040240

This page has been added to comply with the statutory requirement that the clerk shall stamp the recording information at the bottom of the last page.

This page becomes part of the document identified by the file clerk number affixed on preceding pages.

Doc# 200705040240
* Pages 1
Official Records of
COMAL County
COUNTY CLERK
Fees

Doc# 200705040240