CONTRIBUTING ZONE PLAN MODIFICATION FOR CISD – RAHE BULVERDE ELEMENTARY SCHOOL

PREPARED FOR:





DATE: June 2023

PREPARED BY:



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 #22215

CISD – RAHE BULVERDE ELEMENTARY SCHOOL CONTRIBUTING ZONE PLAN MODIFICATION

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Our Review of Your Application

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

Administrative Review

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

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

- 2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
- 3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
- 4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

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

- 5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
- 6. If the geologic assessment was completed before October 1, 2004 and the site contains "possibly sensitive" features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

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

- 2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.
- 3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or 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 RAHE BULVERDE ELEMENTARY SCHOOL			2. Regulated Entity No.: 105601827				
3. Customer Name: Comal ISD			4. Cı	4. Customer No.: 600249825			
5. Project Type: (Please circle/check one)	New 🤇	Modification Extension		nsion	Exception		
6. Plan Type: (Please circle/check one)	WPAP CZP	SCS UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	Non-reside		8. Sit	e (acres):	15.29 acres	
9. Application Fee:	\$6,500	10. Permanent B		BMP(MP(s): VFS		
11. SCS (Linear Ft.):	N/A	12. AST/UST (No.			nks):	ks): N/A	
13. County:	Comal	14. Watershed:			Headwaters Cibolo Creek		bolo Creek

Application Distribution

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

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

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

Austin Region					
County:	Hays	Travis	Williamson		
Original (1 req.)		_	_		
Region (1 req.)			_		
County(ies)			_		
Groundwater Conservation District(s)	Edwards Aquifer Authority Barton Springs/ Edwards Aquifer Hays Trinity Plum Creek	Barton Springs/ Edwards Aquifer	NA		
City(ies) Jurisdiction	Austin Buda Dripping Springs Kyle Mountain City San Marcos Wimberley Woodcreek	Austin Bee Cave Pflugerville Rollingwood Round Rock Sunset Valley West Lake Hills	Austin Cedar Park Florence Georgetown Jerrell Leander Liberty Hill Pflugerville Round Rock		

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

Austin Region

I certify that to the best of my knowledge	e, 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 Castomer/Authorized Agent

Signature of Customer/Authorized Agent

6/13/23 Date

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

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: 06/14/2023

Signature of Customer/Agent:

Project Information

 Current Regulated Entity Name: <u>CISD Bulverde Elementary School</u> Original Regulated Entity Name: <u>CISD Rahe Bulverde Elementary School</u> Assigned Regulated Entity Number(s) (RN): <u>105601827</u> Edwards Aquifer Protection Program ID Number(s): _____

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

- The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
- 2. Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.
- 3. A modification of a previously approved plan is requested for (check all that apply):

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	Approved Project	Proposed Modification
Summary		
Acres	See Attached Summary	<u>15.29</u>
Type of Development		Elementary School
Number of Residential		<u>0</u>
Lots		
Impervious Cover (acres)		<u>5.79</u>
Impervious Cover (%)		<u>37.87</u>
Permanent BMPs		<u>VFS</u>
Other		
AST Modification	Approved Project	Proposed Modification
Summary		
Number of ASTs		
Other		
UST Modification	Approved Project	Proposed Modification
Summary		
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 Project. A current site plan showing the existing site development (i.e., current site layout) at the time this application for modification is attached. A site plan detailing the changes proposed in the submitted modification is required elsewhere.
 The approved construction has not commenced. The original approval letter and
 - any subsequent modification approval letters are included as Attachment A to document that the approval has not expired.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was constructed as approved.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was **not** constructed as approved.
 - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was constructed as approved.
 - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was **not** constructed as approved.
- 7. 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	Original CZP	Proposed Modification 1
Acres	15.29	15.29	15.29
Type of Development	Elementary School	Elementary School	Elementary School
Number of Residential Lots	N/A	N/A	N/A
Total Impervious Cover (acres)	3.92	5.48	5.79
Impervious Cover (%)	25.64%	35.84%	37.87%
Permanent BMPs	N/A	VFS	VFS
Other	N/A	N/A	N/A
Approval Letter Date	N/A	October 13, 2008	



January 26, 2009

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 – Updated Site Plan Bulverde Elementary School Edwards Aquifer Protection Program ID No. 2825.00 Investigation No. 699701 Regulated Entity No. RN105601827

Dear Ms. Bumguardner:

The Bulverde Elementary School Contributing Zone Plan (CZP) was approved by the Texas Commission on Environmental Quality (TCEQ) on October 13, 2008. A copy of the approval letter has been attached for your reference. The purpose of this submittal is to update the site plan due to revisions to portions of the sidewalk, removal of an existing building and relocating a play area (Area 8). The play area (Area 8) was initially located to the east of the main building addition and has been relocated to the south of that building. It now takes the place of an existing building that was shown to remain on the original site plan but is now being removed. A portion of sidewalk has been deleted on the west driveway near the septic treatment facility as well as on the south end near Area 8. Also, the sidewalk connecting the east parking to the lone remaining existing building has been slightly re-aligned.

The nature of development remains consistent with the original application, which is to renovate a portion of the existing Bulverde Elementary School and add two new interconnected buildings and associated parking/driveways. The impervious cover area for structures/rooftops, parking/driveway, and miscellaneous categories have been revised to reflect the revisions to the site plan mentioned above.

We have provided updated impervious cover calculations with this submittal which shows the impact of the revisions on the overall percentage of impervious cover. In summary, we have decreased the overall impervious cover from 5.67 acres to 5.48 acres. The decrease in impervious cover results in 35.84% of the site being impervious. The vegetated filter strips proposed with the updated site plan will treat 2.38 acres of impervious cover and remove 2,136.3 pounds TSS. This can be compared to the originally approved CZP which treated 2.36 acres of impervious cover and removed 2,118.3 pounds TSS. The required load removal is 1400.3 pounds TSS, therefore we are proposing to treat an excess of 736 pounds TSS.

This technical revision does not require the modification of permanent measures or addition of permanent BMP's, it does not change the nature or character of the regulated activity, it does not impact the ability to prevent pollution of the Edwards Aquifer, and it does not include development of land previously identified as undeveloped.

Please update your files with this technical revision to the Bulverde Elementary School CZP site plan and contact us if you have any questions or require additional information.

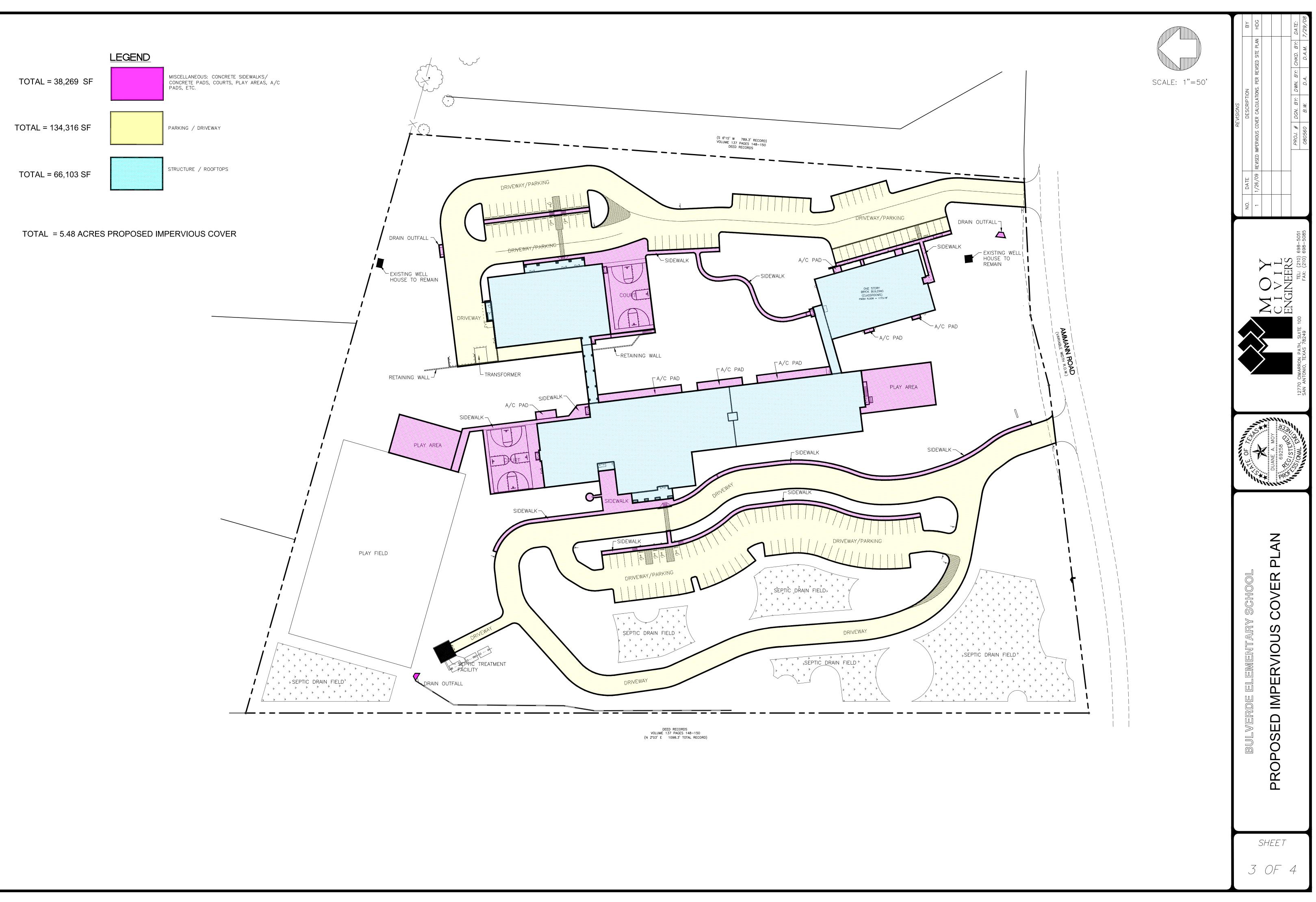
Sincerely, Moy-Civil Engineers

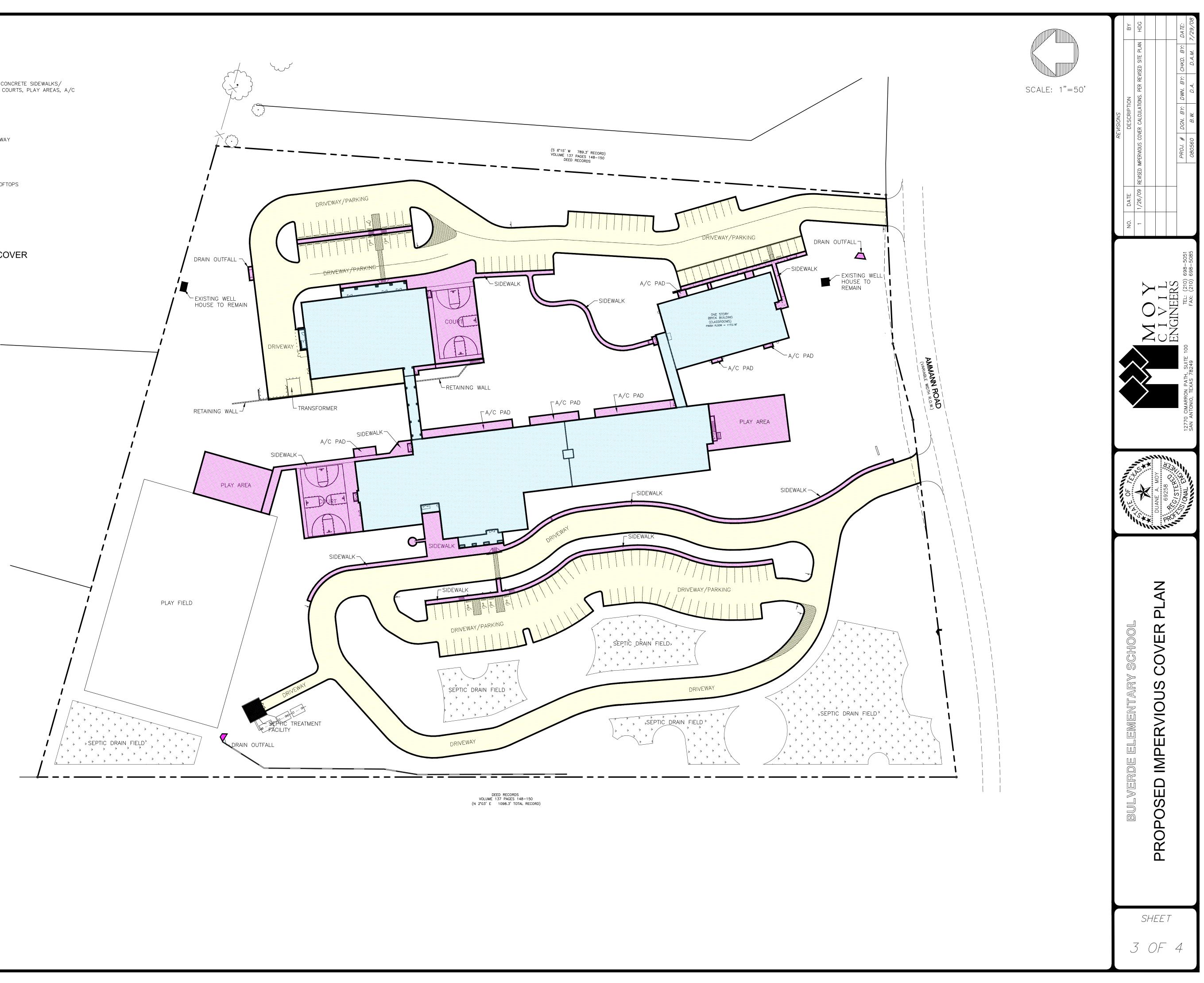
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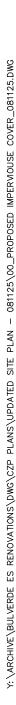
Duane A. Moy, P.E. President

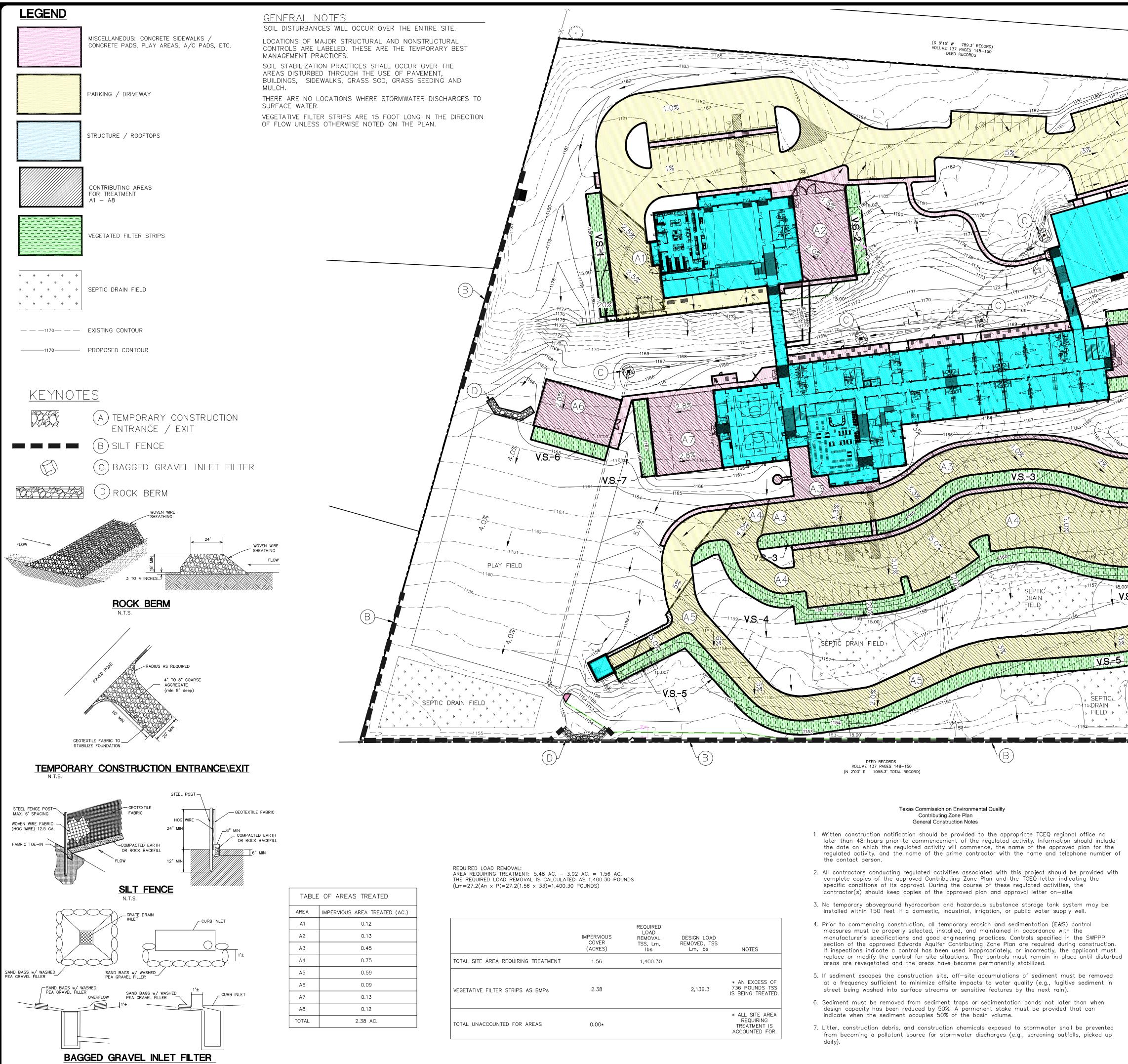
Attachments

P:\080560- Bulverde ES Renovations\CZP\Technical Letter\08-1125 CZP Technical Letter.doc









	IMPERVIOUS COVER (ACRES)	REQUIRED LOAD REMOVAL TSS, Lm, Ibs	DESIGN LOAD REMOVED, TSS Lm, lbs	NOTES
NG TREATMENT	1.56	1,400.30		
S AS BMPs	2.38		2,136.3	* AN EXCESS OF 736 POUNDS TSS IS BEING TREATED.
AREAS	0.00*			* ALL SITE AREA REQUIRING TREATMENT IS ACCOUNTED FOR.

			В¥	DATE: 7/29/08
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				DWN. BY: CI D.A.
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			REVISIONS DESCR	PROJ. # D(080560
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			ELEMENTARY SCHOOL	RIBUTING ZONE SITE PLAN
L(B) (D)	<u> </u>	NTAF	ONE
8. All spoils (excavated material) E&S controls installed.	generated from the project site and stored on-	site must have proper	EME	Z DN
9. Stabilization measures shall be construction activities have te resume within 21 days. When	initiated as soon as practicable in portions of mporarily or permanently ceased, and construction the initiation of stabilization measures by the 14 ation measures shall be initiated as soon as pra	on activities will not th day is precluded		UTIN
10. The following records should dates when major grading ac	be maintained and made available to the TCEQ u stivities occur; the dates when construction activ ion of the site; and the dates when stabilization	ipon request: the rities temporarily or	LVERDE	RIB
 The holder of any approved C writing and obtain approval fr A. any physical or operational 	ontributing Zone plan must notify the appropriat om the executive director prior to initiating any modification of any best management practices	of the following: or structure(s),		
including but not limited t diversionary structures;	or character of the regulated activity from that	silt fences, and		U
C. any change that would sign Aquifer and hydrologically	nificantly impact the ability to prevent pollution of connected surface water; or			
D. any development of land p Austin Regional Office 1921 Cedar Bend, Suite 150 Austin, Texas 78758-5336 Phone (512) 339-2929 Fax (512) 339-3795	reviously identified in a contributing zone plan as San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096 Fax (210) 545-4329	a unueveropea.	S	HEET

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

1 OF 4

EXHIBIT "

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 13, 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 Bulverde Elementary School; Located on the north side of E. Ammann Road, approximately 920 L.F. west of the intersection of Bulverde Road and E. Ammann Road, in southwest Comal County; Bulverde, 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. 2825.00; Investigation No. 699701; Regulated Entity No. RN105601827

Dear Mr. Bloxham:

0-705.

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 August 5, 2008. Final review of the CZP was completed after additional material was received on September 22, 2008. 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'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 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 project will have an area of approximately 15.29 acres. It will include renovations to the existing Bulverde Elementary School with the addition of two new interconnected buildings. The impervious cover will be 5.67 acres (37.08 percent). According to a letter dated, September 7, 1995, signed by Juan Martinez, with Comal County, 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, engineered filter strips designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules</u>: <u>Technical Guidance on Best</u>

Reply To: Region 13 • 14250 Judson Rd. • San Antonio, Texas 78233-4480 • 210-490-3096 • Fax 210-545-4329

P.O. Box 13087

Austin, Texas 78711-3087

512-239-1000

Internet address: www.tceq.state.tx.us

ORBES Misc / attend on recycled prover using say based ink

Mr. Thomas Bloxham October 13, 2008 Page 2

<u>Management Practices</u> (2005) will be constructed to treat stormwater runoff. The increase of impervious cover from existing (3.92 acres) to proposed conditions (5.67 acres) is 1.75 acres. The required total suspended solids (TSS) treatment for this project is 1571 pounds of TSS generated from the 1.75 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The engineered vegetated filter strips will extend along the entire length of the contributing area; The slope will not exceed 20%;

The minimum dimension of the filter strips (in the direction of flow will not be less than 15 feet;

The maximum width (in the direction of flow) of the contributing impervious area will not exceed 72 feet; The minimum vegetated cover will be 80%;

The contributing area to the filter strip will be relatively flat so that runoff will be distributed evenly to the vegetated area without the use of a level spreader;

The vegetated filter strip will be free of gullies or rills that can concentrate overland flow.

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. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- 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.

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. Mr. Thomas Bloxham October 13, 2008 Page 3

- 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

Mr. Thomas Bloxham October 13, 2008 Page 4

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% 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 Stacy Tanner of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210/403-4078.

Sincerely,

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

MRV/SMT/eg

- Enclosure: Deed Recordation Affidavit, Form TCEQ-0625A Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263
- cc: Mr. Duane A. Moy, Moy Civil Engineers
 Mr. 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

Legal Description for a 15.294 Acre Tract of Land

Being a 15.294 acre tract of land out of the Guadalupe Herrera Survey No. 192, Abstract No. 206, Comal County, Texas, said 15.294 acre tract being all of that certain 15.467 acre tract conveyed to Comal County Rural High School District No. 705 by deed recorded in Volume 137, Pages 148-150, Deed Records, Comal County, Texas, save and except a 0.1764 acre tract conveyed to the County of Comal by deed recorded in Volume 793, Pages 121-124, Official Records, Comal County, Texas, said 15.294 acre tract being more particularly described by metes and bounds as follows:

Beginning at a ½" iron rod found in the north right-of-way line of Ammann Road for the southeast corner of the herein described tract, the southeast corner of the above referenced 15.467 acre tract, the southwest corner of a 1.116 acre tract recorded in Volume 127, Pages 625-626, Deed Records, Comal County, Texas;

Thence, with the north right-of-way line of Ammann Road, the south line of said 15.467 acre tract, South 89°53'33" West, a distance of 175.03 feet to a found cotton spindle for angle;

Thence, with the northwest right-of-way line of Ammann Road, a southeast line of said 15.467 acre tract, South 77°49'33" West, a distance of 92.70 feet to a found cotton spindle for angle at the east corner of the above referenced 0.1764 acre tract;

Thence, continuing with the northwest right-of-way line of Ammann Road, the northwest line of said 0.1764 acre tract, South 85°36'00" West, a distance of 423.15 feet to a $\frac{1}{2}$ " iron rod found with an orange "Moy Survey" plastic cap for the southwest corner of the herein described tract, the northwest corner of said 0.1764 acre tract and being in the west line of said 15.467 acre tract, the east line of a 60.573 acre tract recorded in Document No. 200706000458, Official Records, Comal County, Texas;

Thence, departing the northwest right-of-way line of Ammann Road, with the west line of said 15.467 acre tract, the east line of said 60.573 acre tract, North 02°33'00" East, a distance of 1080.62 feet to a 5/8" iron rod found for the northwest corner of the herein described tract, the northwest corner of said 15.467 acre tract, the southwest corner of Lot 12, Indian Creek Ridge Subdivision recorded in Volume 2, Page 26, Plat Records, Comal County, Texas;

Thence, departing the east line of said 60.573 acre tract, with the northeast line of said 15.467 acre tract, the southwest line of Lots 12, 13 and 14, Indian Creek Ridge Subdivision, South 71°36'39" East, a distance of 771.40 feet to a found nail set in a cedar post for the northeast corner of the herein described tract, the northeast corner of said 15.467 acre tract, the northwest corner of the aforementioned 1.116 acre tract;

Thence, departing the southwest line of Lot 14, Indian Creek Ridge Subdivision, with the east line of said 15.467 acre tract, the west line of said 1.116 acre tract, South 06°43'56" West, a distance of 789.30 feet to the Place of Beginning and containing 15.294 acres of land.

Filed and Recorded Official Public Records Joy Streater, County Clerk Comal County, Texas 11/25/2008 11:10:36 AM CASHONE 200806043000



Jay Streater



/25/2008 11:10:36 AM ED WTR RGT 1/6

Deed Recordation Affidavit

Contributing Zone 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:

- That my name is Dr. Marc Walker and that Comal Independent School District owns the real (1)property described below.
- CONTRIBUTING ZONE PLAN which was required under That said real property is subject to an (2)the 30 Texas Administrative Code (TAC) Chapter 213.
- That the CONTRIBUTING ZONE PLAN for said real property was approved by the TEXAS (3)COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) on ___October 13, 2008_

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

The said real property is located in <u>Comal</u> County, Texas, and the legal description of the property is (4) as follows: See attached Exhibit B.

NDOWNER-AFFIANT

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

NOTARY PUBLIC

THE STATE OF _____ -§

County of <u>Comal</u> §

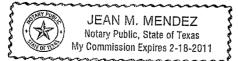
BEFORE ME, the undersigned authority, on this day personally appeared _ Dr. Marc Walker known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 25day of Nov., 2008.

ean Μ Mendez

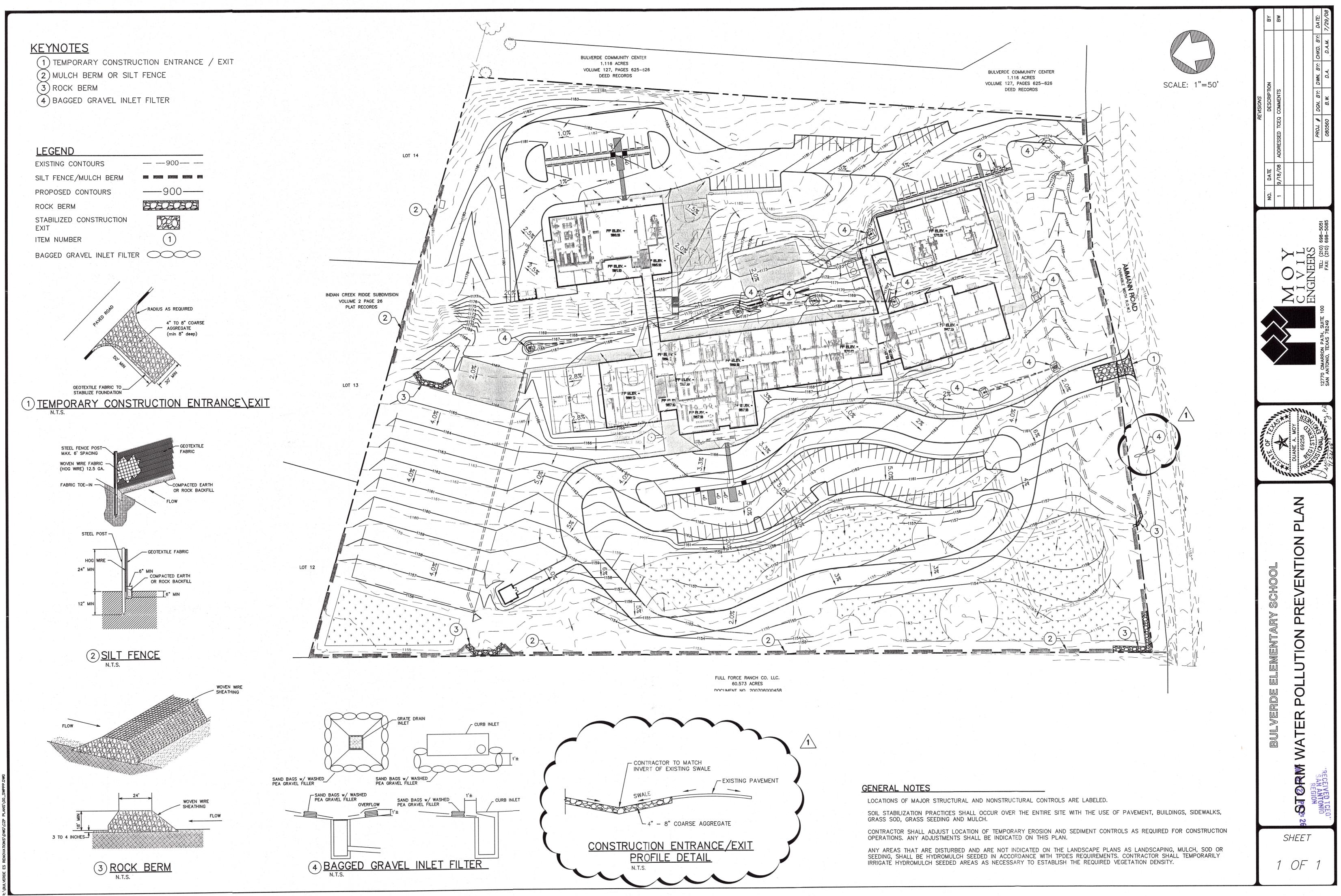
Typed or Printed Name of Notary

MY COMMISSION EXPIRES



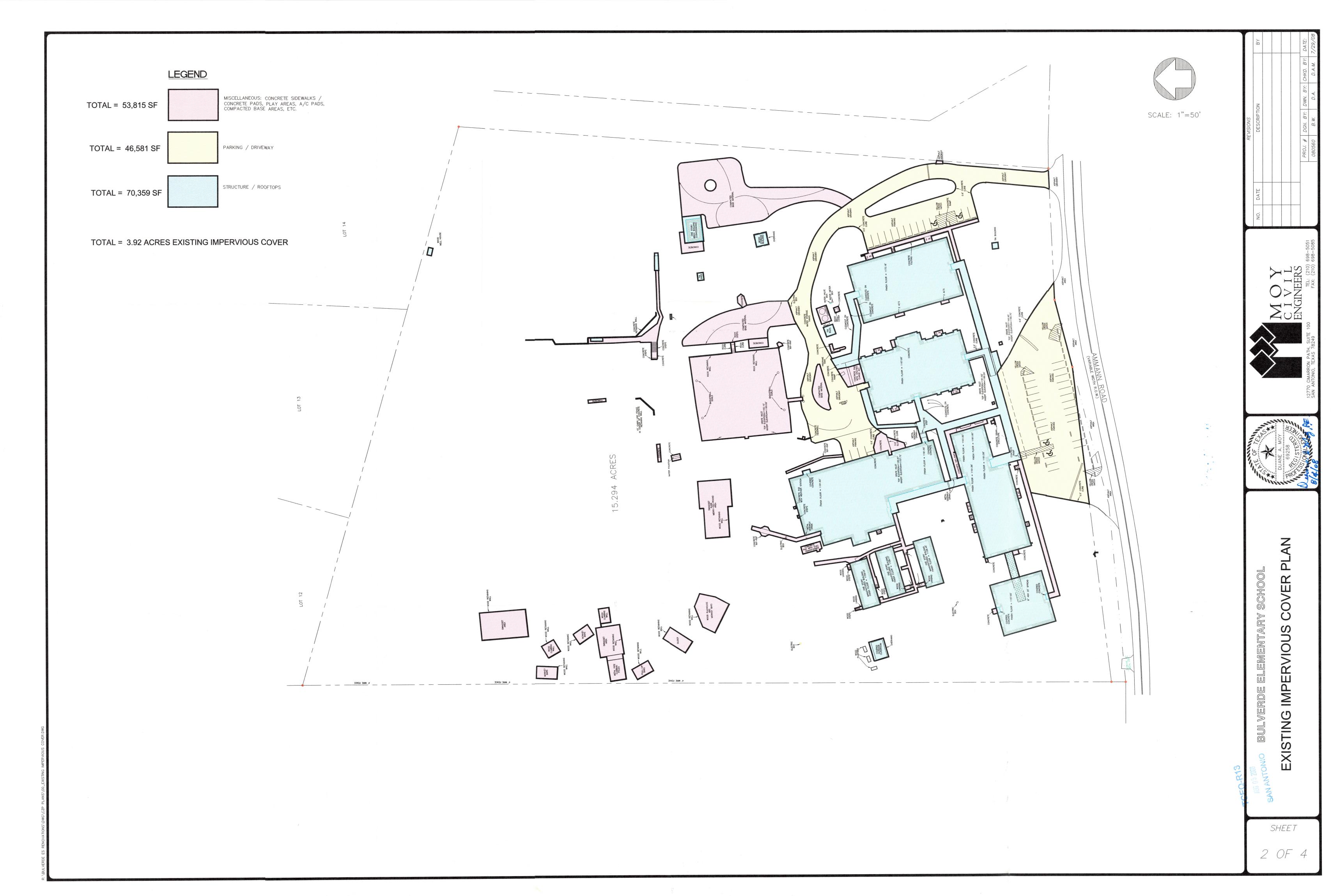
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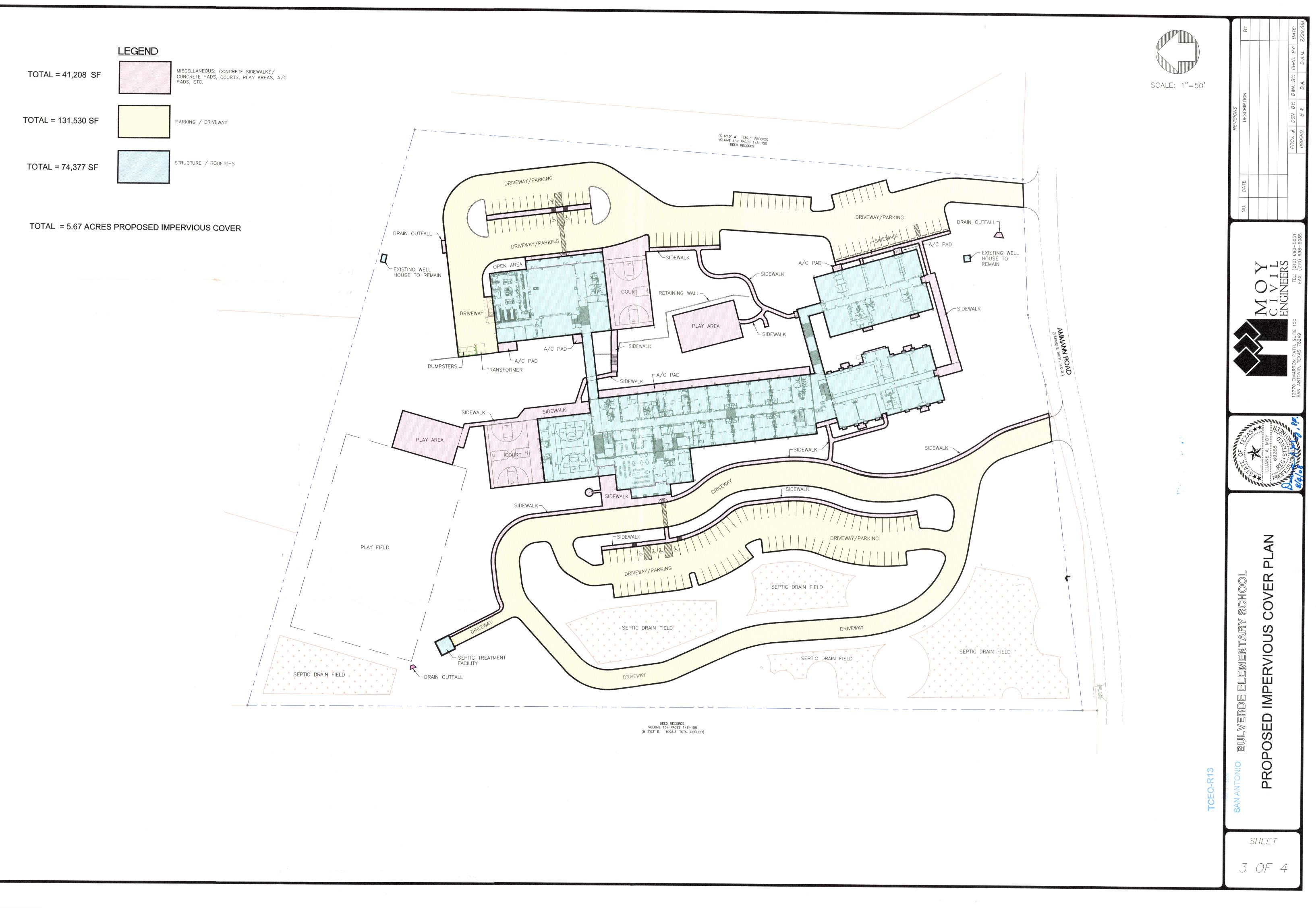
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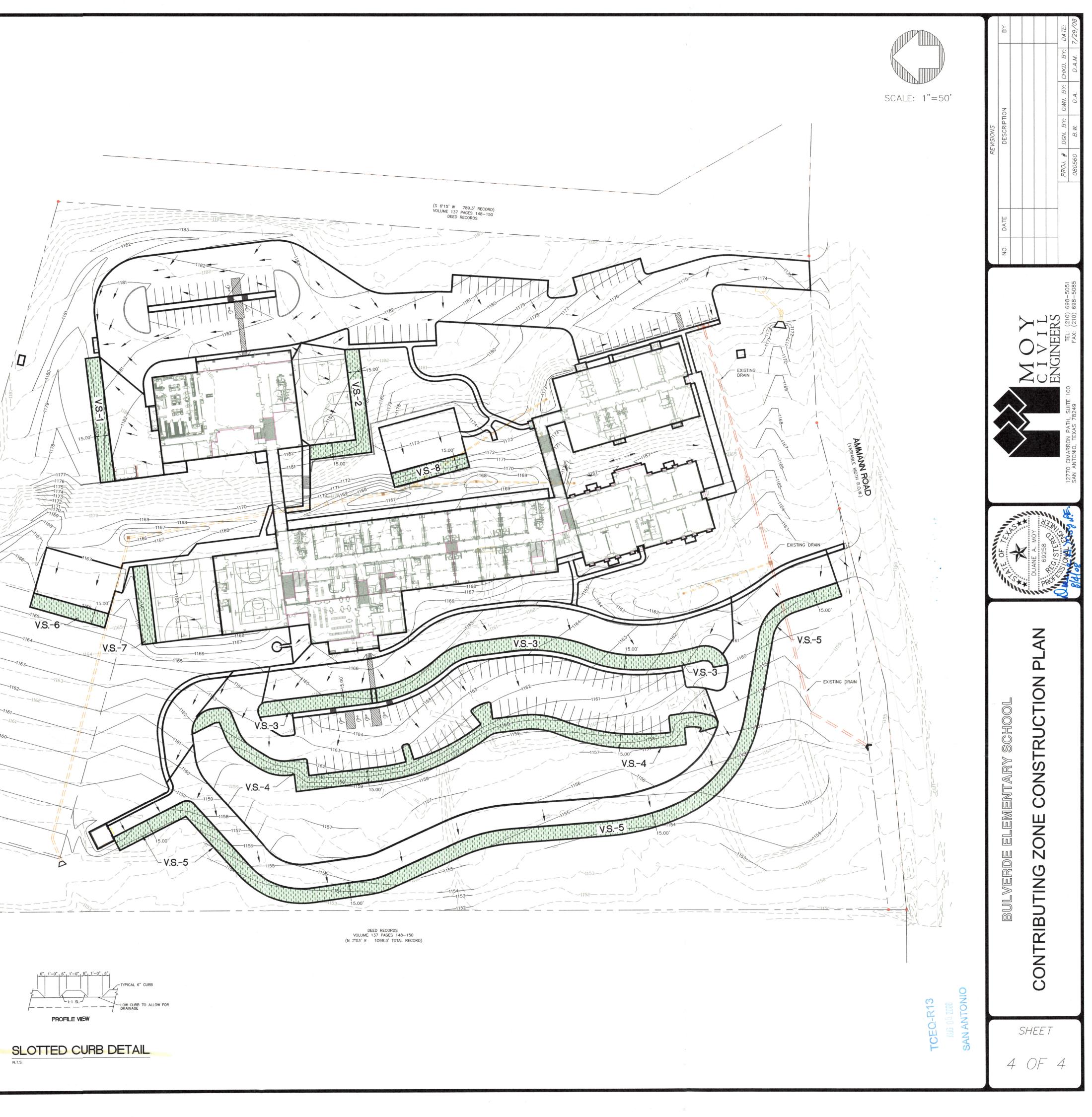




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V.S1 VEGETATED STRIP NUMBER 1		
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Texas Commission on Environmental Quality Contributing Zone Plan General Construction Notes 1. Written construction notification should be provided to the appropriate 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.		
 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.	i	
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.		-
 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.		
 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.		
 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), 		/
 A. any physical of operational mountation of any best management practices of staticties, 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		N
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		F
THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.	Г К	
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	FZ-F	
		1159
		11
1" DROP FROM LOW CURB	1" DROP BELOW TOP OF ASPHALT.	
SLOPE PER - 1/4 R" - SLOPE PER PLAN. SLOPE PER - 1" - " - " - " - " - " - " - " - " -	LOPE PER	FILTER STRIP
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95% COMPACTED SUBGRADE LOW CURB LINE LOW CURB LINE JONN CU	95% COMPACTED SUBGRADE	

A-A VEGETATIVE FILTER STRIP ADJACENT TO SLOTTED CURB

B-B VEGETATIVE FILTER STRIP ADJACENT TO HEADER CURB



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. The original Contributing Zone Plan (CZP) was approved on October 13, 2008 (EAPP #2825.00) for 5.67 acres (37.08%) of impervious cover. Due to a site plan update that removed a proposed building and relocated a play area, the original CZP was resubmitted on January 26, 2009 for an overall impervious cover of 5.48 acres (35.84%). Please see attached letter and site plan submitted January 26, 2009.

The total impervious cover on-site is currently 5.50 acres. The additional 0.02 acres is untreated impervious cover and will be demolished as part of the project scope. For these reasons, all proposed calculations will be based off an existing impervious cover area of 5.48 acres.

The previous CZP introduced engineered vegetated filter strips to treat 2.38 acres of impervious cover at the site. Most of the existing permanent BMPs will remain in place, except for 0.03 acres of vegetated filter strips that will be removed. This proposed project will introduce 0.31 acres of impervious cover to the site for a total of 5.79 acres of impervious cover or 37.87%. Of the new impervious cover 0.19 acres will be self-treating synthetic turf. The new impervious cover plus 0.13 acres of existing impervious cover (totaling 0.25 acres of impervious cover) will be treated by proposed vegetated filter strips.

The VFS treated impervious cover for this project requires a TSS removal of 224 lbs with an actual removal of 243 lbs.

The overall acreage of the Rahe Bulverde Elementary School property is 15.29 acres and is located at 1715 East Ammann Road, Bulverde, TX 78163. The site is located in the Edwards Aquifer Contributing Zone.

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: <u>06/14/2023</u>

Signature of Customer/Agent:

Regulated Entity Name: CISD Rahe Bulverde Elementary School

Project Information

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

Contact Person: <u>Jeffery Smith</u> Entity: <u>Comal Independent School District</u> Mailing Address: <u>1404 IH 35 North</u> City, State: <u>New Braunfels, TX</u> Telephone: <u>(830) 885-9500</u> Email Address: <u>jeffery.smith@comalisd.org</u>

Zip: <u>78130-2817</u> Fax: _____

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1 of 11

5. Agent/Representative (If any):

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

Zip: <u>78249</u> Fax: <u>(210) 698-5085</u>

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 <u>Bulderde, TX</u>.
- 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.

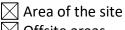
1715 East Ammann Road, Bulverde, TX 78163

- 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:



- Offsite areas
- Impervious cover
- \mathbb{X} 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 site
- 12. The type of project is:
 - Residential: # of Lots: _____
 - Residential: # of Living Unit Equivalents: _____
 - ____ Commercial
 - ___ Industrial
 - Other: Elementary School
- 13. Total project area (size of site): 15.29 Acres

Total disturbed area: 1.75 Acres

- 14. Estimated projected population: 850
- 15. The amount and type of impervious cover expected after construction is complete is shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	66,103	÷ 43,560 =	1.52
Parking	134,316	÷ 43,560 =	3.08
Other paved surfaces	51,773	÷ 43,560 =	1.19
Total Impervious Cover	252,192	÷ 43,560 =	5.79

Table 1 - Impervious Cover

Total Impervious Cover <u>5.79</u> ÷ Total Acreage <u>15.29</u> X 100 = <u>37.87</u>% 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.	Туре	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. $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$ 21. Pavement Area: Length of pavement area: _____ feet. Width of pavement area: feet. $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$ 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 (name) Treatment Plant. The treatment facility is:
Existing. Proposed.
□ N/A ermanent Aboveground Storage Tanks(ASTs) ≥ 500

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			
	•	Tota	al 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

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

Site Plan Scale: 1" = <u>20</u>'.

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): <u>48091C0215F</u>.

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. \square 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. \boxtimes 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. \square 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.

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

BMPs for multi-
20% or less
/IPs must be
pervious cover
site as described in
cation Processing
the appropriate

	 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. 🔀 Att	tachment 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. 🔀 Att	tachment 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.
	tachment L - BMPs for Surface Streams. A description of the BMPs and measures at prevent pollutants from entering surface streams is attached.
□ N/2	A
pro	tachment M - Construction Plans. Construction plans and design calculations for the oposed permanent BMPs and measures have been prepared by or under the direct pervision 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
Pesnansihility for Maintenance of Permanent RMPs and

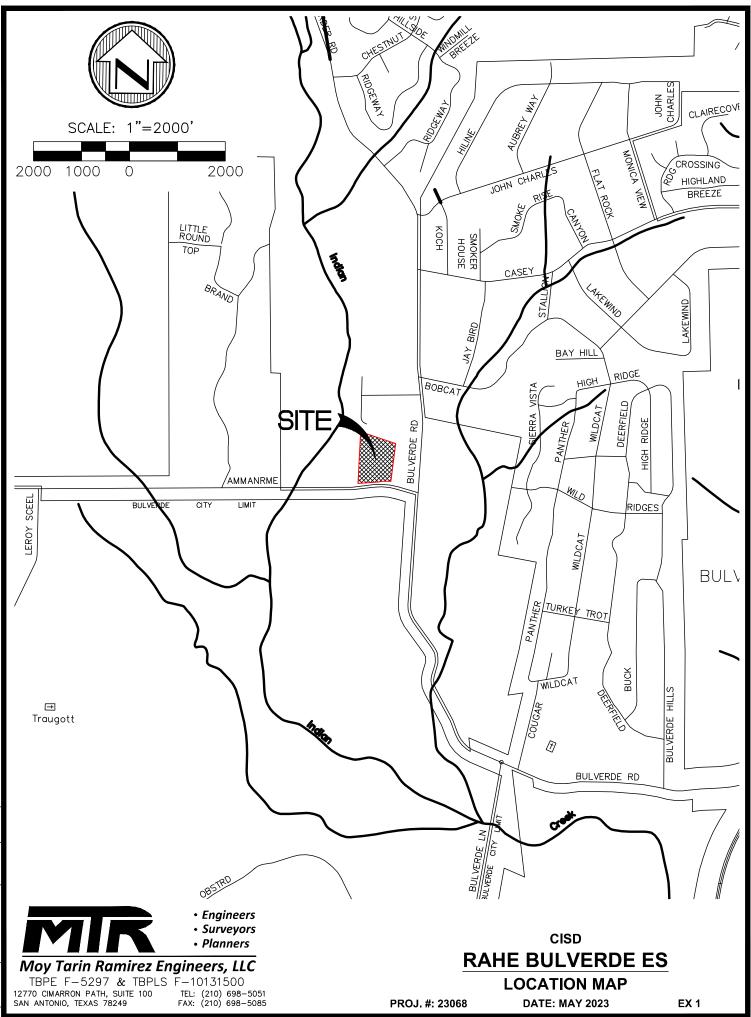
Responsibility for Maintenance of Permanent BMPs and Measures after Construction is Complete.

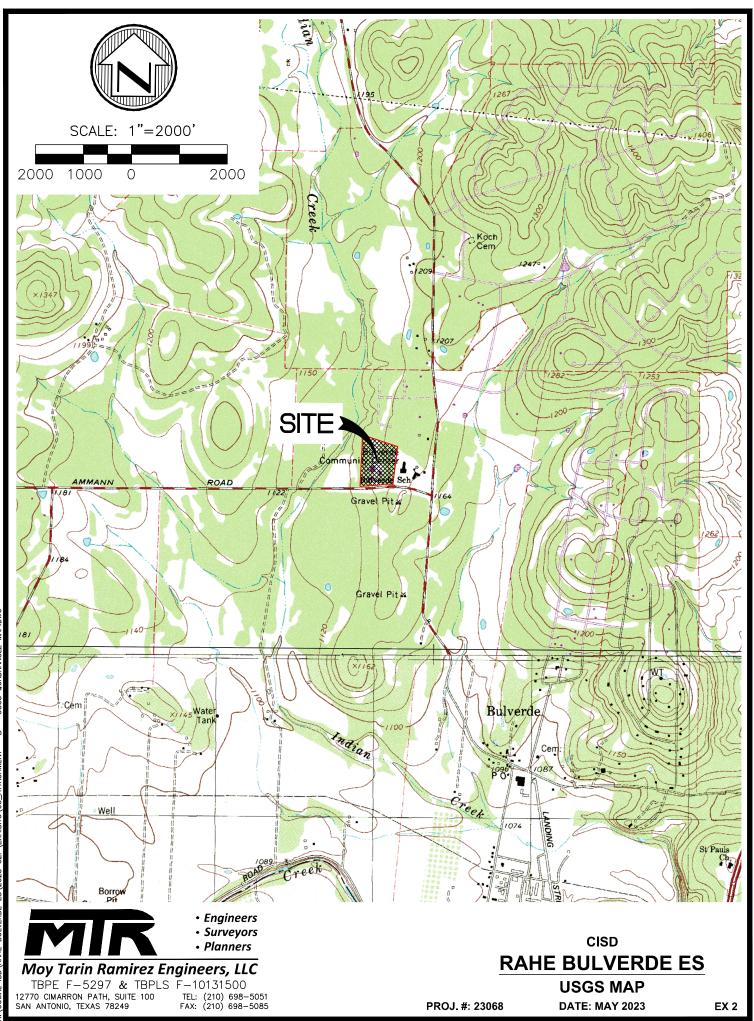
- 59. The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or 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.





ATTACHMENT C

PROJECT DESCRIPTION

The proposed project will be providing new playground equipment, new rubberized surface, artificial turf play areas, and associated concrete flatwork. The original Contributing Zone Plan (CZP) was approved on October 13, 2008 (EAPP #2825.00) for 5.67 acres (37.08%) of impervious cover. Due to a site plan update that removed a proposed building and relocated a play area, the original CZP was resubmitted on January 26, 2009 for an overall impervious cover of 5.48 acres (35.84%). Please see attached letter and site plan submitted January 26, 2009.

The total impervious cover on-site is currently 5.50 acres. The additional 0.02 acres is untreated impervious cover and will be demolished as part of the project scope. For these reasons, all proposed calculations will be based off an existing impervious cover area of 5.48 acres.

The previous CZP introduced engineered vegetated filter strips to treat 2.38 acres of impervious cover at the site. Most of the existing permanent BMPs will remain in place, except for 0.03 acres of vegetated filter strips that will be removed. This proposed project will introduce 0.31 acres of impervious cover to the site for a total of 5.79 acres of impervious cover or 37.87%. Of the new impervious cover 0.19 acres will be self-treating synthetic turf. The new impervious cover) will be treated by proposed vegetated filter strips.

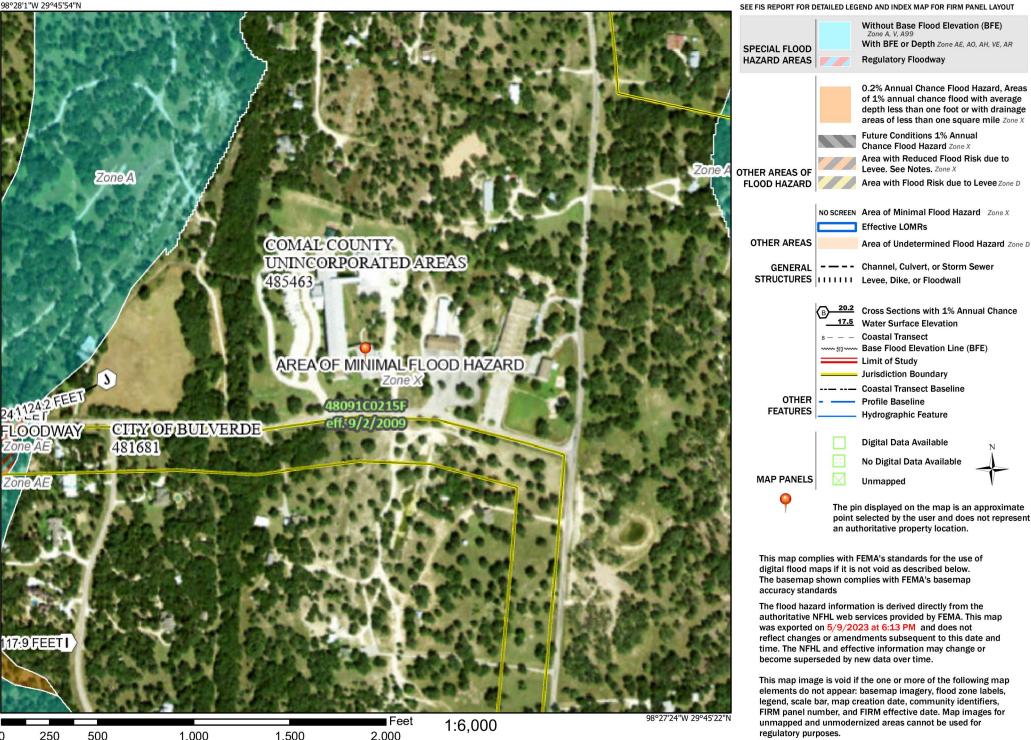
The VFS treated impervious cover for this project requires a TSS removal of 224 lbs with an actual removal of 243 lbs.

The overall acreage of the Rahe Bulverde Elementary School property is 15.29 acres and is located at 1715 East Ammann Road, Bulverde, TX 78163. The site is located in the Edwards Aquifer Contributing Zone and currently consists of an elementary school with buildings, playground structures, concrete sidewalks, and asphalt parking.

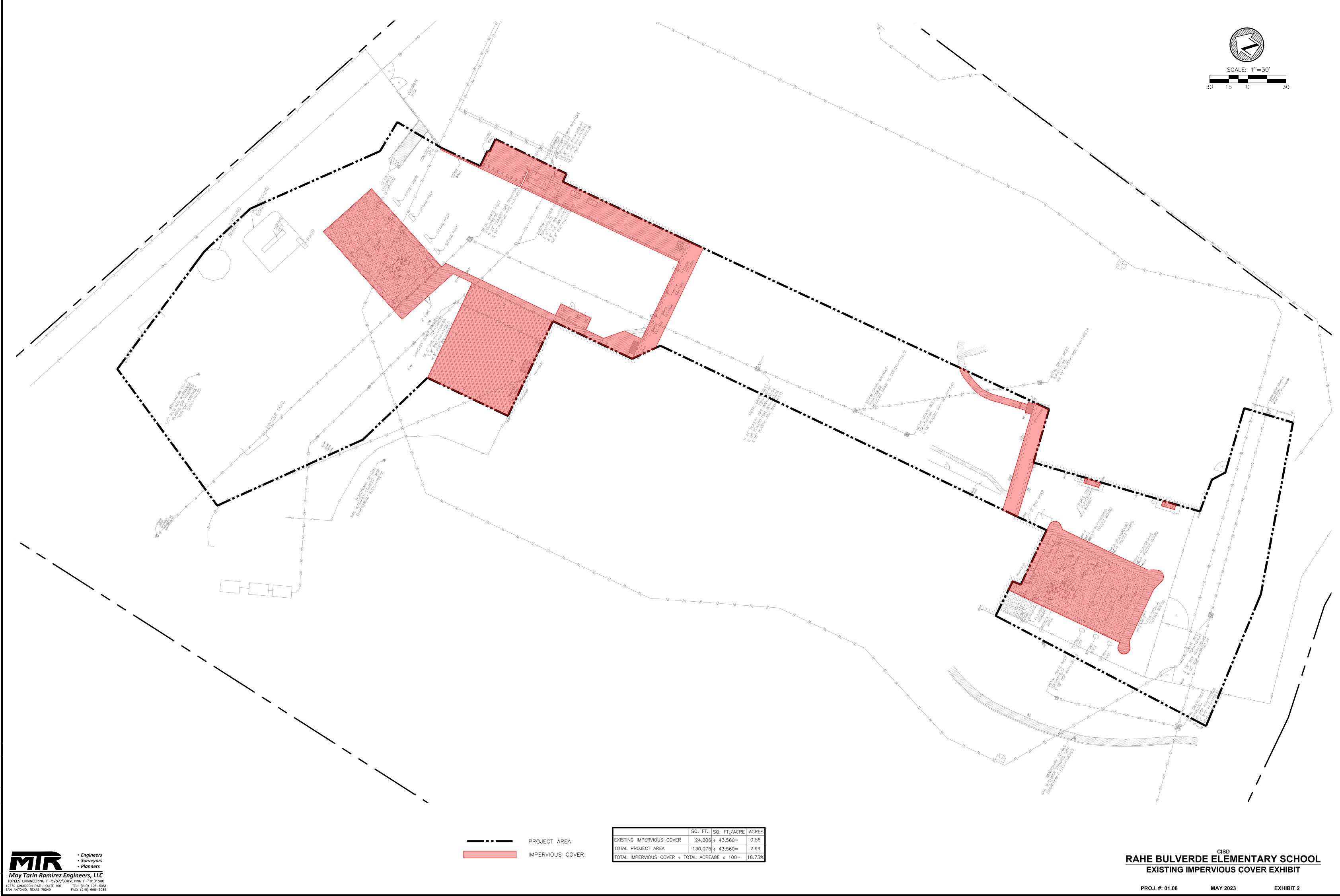
National Flood Hazard Layer FIRMette



Legend

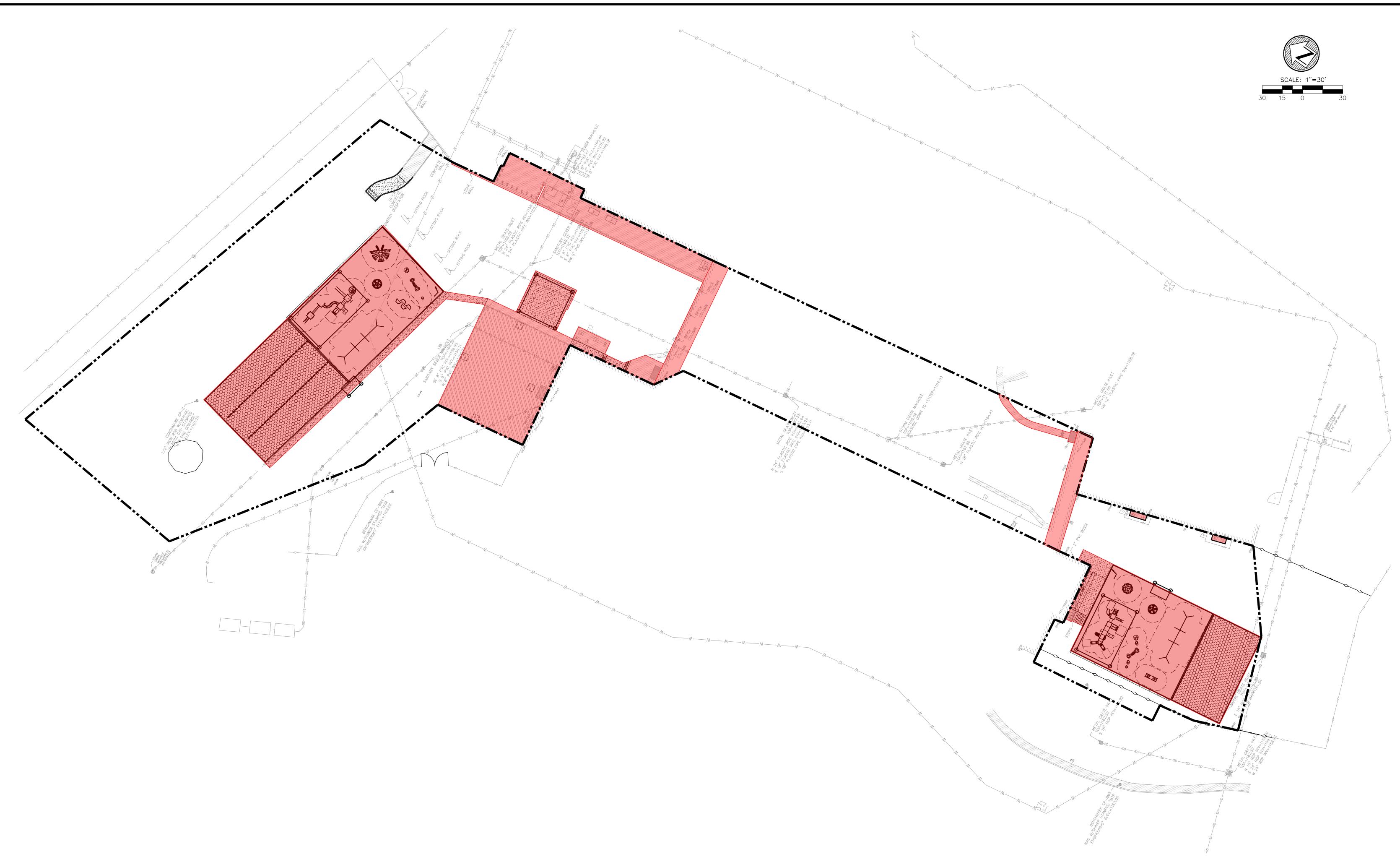


Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



	SQ. FT.	SQ. FT./ACRE	ACRES
EXISTING IMPERVIOUS COVER	24,206	÷ 43,560=	0.56
TOTAL PROJECT AREA	130,075	÷ 43,560=	2.99
TOTAL IMPERVIOUS COVER ÷ TO	TAL ACRE	AGE x 100=	18.73%

MAY 2023	EXHIBIT 2	
	MAY 2023	MAY 2023 EXHIBIT 2





EXISTING IMPERVIOUS COVER	SQ. FT	SQ. FT./ACRE	ACRES
TOTAL PROJECT SCOPE	130,075	÷ 43,560=	2.99
PROPOSED IMPERVIOUS COVER	37,657	÷ 43,560=	0.87
EXISTING IMPERVIOUS COVER	24,206	÷ 43,560=	0.56
INCREASE IN IMPERVIOUS COVER	13,451	÷ 43,560=	0.31
TOTAL IMPERVIOUS COVER ÷ TO	TAL ACRE	AGE × 100=	29.10%

PROJECT AREA

RAHE BULVERDE ELEMENTARY SCHOOL PROPOSED IMPERVIOUS COVER EXHIBIT

PROJ. #: 01.08	MAY 2023	EXHIBIT 2

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

Rahe Bulverde Elementary School is located to the southeast of a local high point. Stormwater generally sheet flows across the property from the northwest to the southeast, eventually sheet flowing off the property. The rational method (Q=CIA) was used to calculate the 25-year storm event. The following areas and volumes were calculated:

On-Site Drainage Area A

Existing Conditions Area = 8.82 acres Impervious Cover = 2.85 acres Runoff Coefficient = 0.31 Percent Impervious = 32.31% Q₂₅ = 21.82 cfs

On-Site Drainage Area B

Existing Conditions Area = 8.23 acres Impervious Cover = 2.62 acres Runoff Coefficient = 0.30 Percent Impervious = 31.60% Q₂₅ = 18.50 cfs

Proposed Conditions Area = 8.82 acres Impervious Cover = 3.07 acres Runoff Coefficient = 0.33 Percent Impervious = 34.81% Q₂₅ = 23.52 cfs

Proposed Conditions Area = 8.23 acres Impervious Cover = 2.73 acres Runoff Coefficient = 0.32 Percent Impervious = 32.93% Q₂₅ = 19.29 cfs

Character of Storm Water

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

Stormwater runoff generated after construction is complete will also be typical of an elementary school educational facility. The runoff will contain sediments from rooftops, driveways, parking lots, sidewalks, landscape areas, and other miscellaneous impervious areas from the site. The runoff may contain small amounts of oil, grease, suspended solids, fertilizers, and pesticides. The post construction runoff will be treated through the existing vegetative filter strips approved on (EAPP #2825.00) as well as with the proposed vegetative filter strips.

ATTACHMENT J

BMP'S FOR UPGRADIENT STORM WATER

Upgradient storm water currently enters the property along the eastern boundary. A portion of this storm water sheet flows across natural ground before exiting the site and does not cross impervious cover in the process. The remaining storm water entering the site is captured in an underground storm system, routed to one of two discharge points downgradient of the impervious cover. The proposed construction will not impact the existing upgradient flows.

ATTACHMENT K

BMP'S FOR ON-SITE STORM WATER

During construction, temporary BMPs consisting of silt fences and bagged gravel inlet filters will be utilized at strategic locations to minimize the amount of sediment leaving the site. After construction, permanent BMPs in the form of an existing and proposed vegetative filter strips will treat on-site runoff.

The previously recorded CZP reported 2.38 acres being treated by vegetative filter strips, removing 2136 lbs. The proposed project will add 0.31 acres of impervious cover making the overall site 5.79 acres of impervious cover. Of the proposed impervious cover, 0.19 acres is to be excluded from the treated area as it is self-treating synthetic turf. We are proposing to treat 0.13 acres of existing impervious cover. This brings the treated impervious area to 0.25 acres requiring removal of 224 lbs with an actual TSS removal of 243 lbs.

Permanent BMP	Acres of Impervious Cover	
Vegetative Filter Strips	0.12	
	(0.13 of existing)	
Synthetic Turf	0.19	
Total	0.31	

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: RBES Date Prepared: 5/22/2023

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

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

1. The Required Load Reduction for the total project:	Calculations	from RG-348	Pages 3-27 to 3-30
Page 3-29 Equation 3.3: $L_M = 3$	27.2(A _N x P)		
A _N =	Net increase	S removal resulting f in impervious area f ual precipitation, incl	
Site Data: Determine Required Load Removal Based on the Entire Project County = Total project area included in plan * = Predevelopment impervious area within the limits of the plan * = Total post-development impervious area within the limits of the plan* = Total post-development impervious cover fraction * = P =		acres acres acres inches	State OF JE
L _{M TOTAL PROJECT} = * The values entered in these fields should be for the total project area.	224	lbs.	SEAN S. SMITH
Number of drainage basins / outfalls areas leaving the plan area =	1		SOVAL ENG
2. Drainage Basin Parameters (This information should be provided for eacl	h basin):		6/12/23

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	0.25	acres
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres
Post-development impervious area within drainage basin/outfall area =	0.25	acres
Post-development impervious fraction within drainage basin/outfall area =	1.00	
L _{M THIS BASIN} =	224	lbs.

3. Indicate the proposed BMP Code for this basin.

Removal efficiency =	85	percent
----------------------	----	---------

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

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

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

where:

 $A_{\rm C}$ = Total On-Site drainage area in the BMP catchment area

 A_{I} = Impervious area proposed in the BMP catchment area

 A_P = Pervious area remaining in the BMP catchment area

 L_R = TSS Load removed from this catchment area by the proposed BMP

$A_{C} =$	0.25	acres
$A_1 =$	0.25	acres
A _P =	0.00	acres
L _R =	243	lbs

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

Desired $L_{M THIS BASIN} = 224$ lbs.

F = **0.92**

ATTACHMENT L

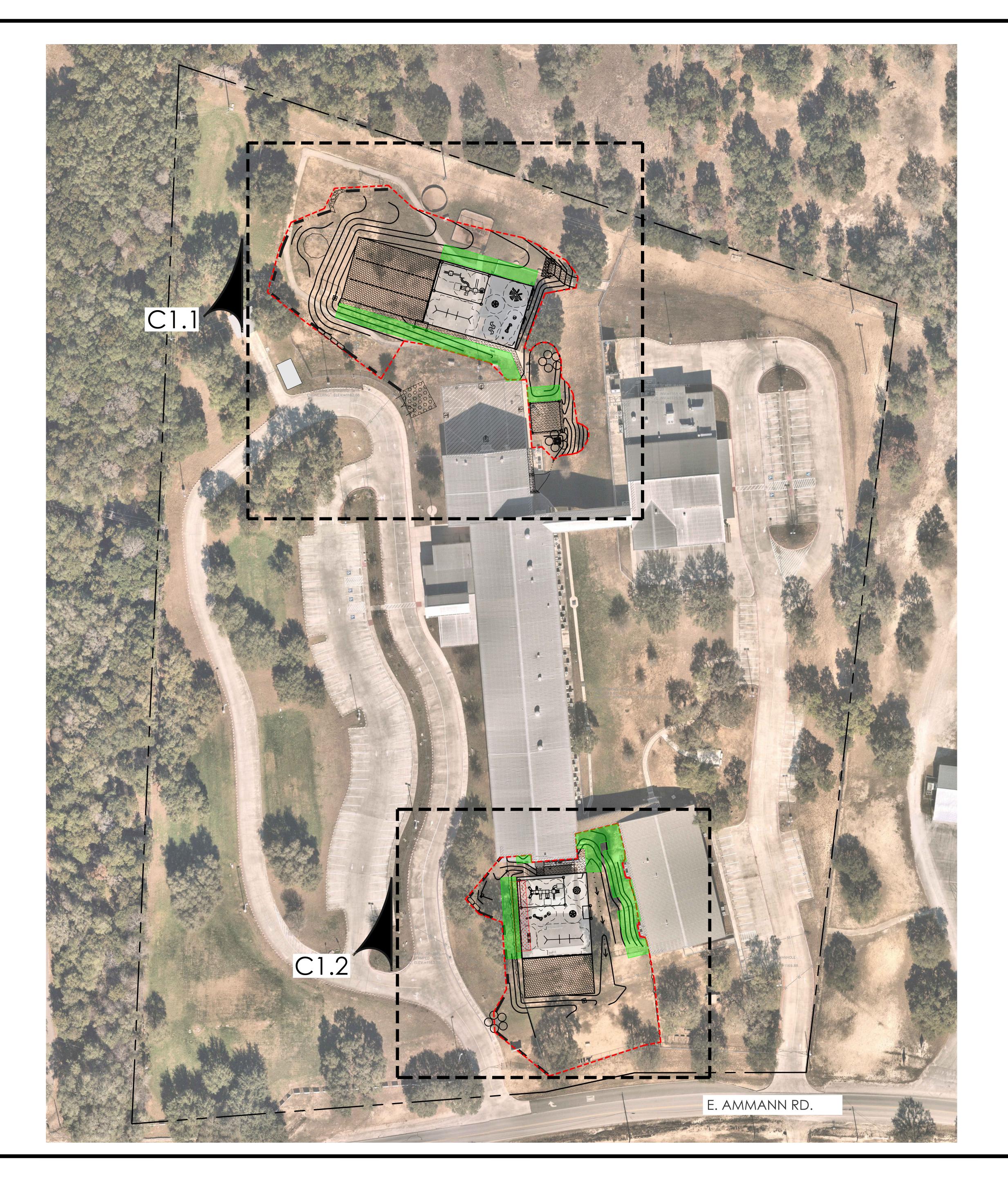
BMP's FOR SURFACE STREAMS

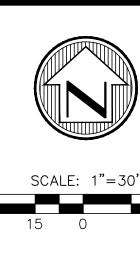
There are no surface streams on the project site. Permanent and temporary BMPs, as shown on the Site Plan, will be used to minimize sediments leaving the site and flowing into off-site surface streams during and after construction.

ATTACHMENT P

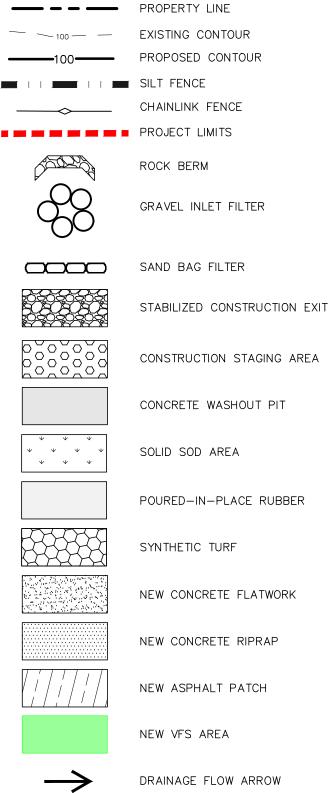
MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

Both permanent and temporary BMP's, as shown on the CZP Site Plan, shall be used to minimize contamination to offsite surface streams, both during and after construction. During construction, temporary BMP's will consist of silt fence and bagged gravel inlet filters. After construction, the permanent BMPs will consist of the existing and new vegetative filter strip.





LEGEND:



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 ON MODIFIED 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
- 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 12100 Park 35 Circle, Building A 14250 Judson Road Austin, Texas 78753-1808 Phone(512) 339-2929 Fax (512) 339-3795

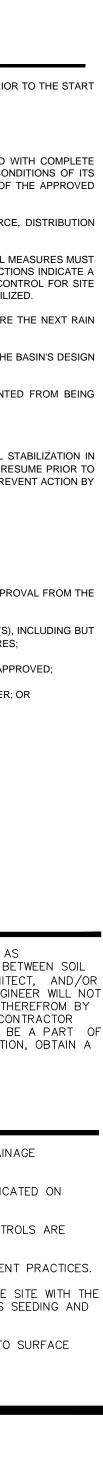
San Antonio Regional Office San Antonio, Texas 78233-4480 Phone(210) 490-3096 Fax (210) 545-4329

SITE INFORMATION:

DATA ON INDICATED SUBSURFACE CONDITIONS ARE NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF ACCURACY OR CONTINUITY BETWEEN SOIL ORINGS. IT IS EXPRESSLY UNDERSTOOD THAT THE OWNER, ARCHITEC STRUCTURAL, CIVIL OR MECHANICAL, PLUMBING OR ELECTRICAL ENGINEER WILL NOT BE RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY CONTRACTOR. DATA ARE MADE AVAILABLE FOR CONVENIENCE OF CONTRACTOR ONLY AND AS SUCH, THE SOIL BORINGS ARE NOT CONSIDERED TO BE A PART OF THESE CONTRACT DOCUMENTS. THE CONTRACTOR MAY, AT HIS OPTION, OBTAIN A COPY OF THE GEOTECHNICAL REPORT.

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.
- 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.





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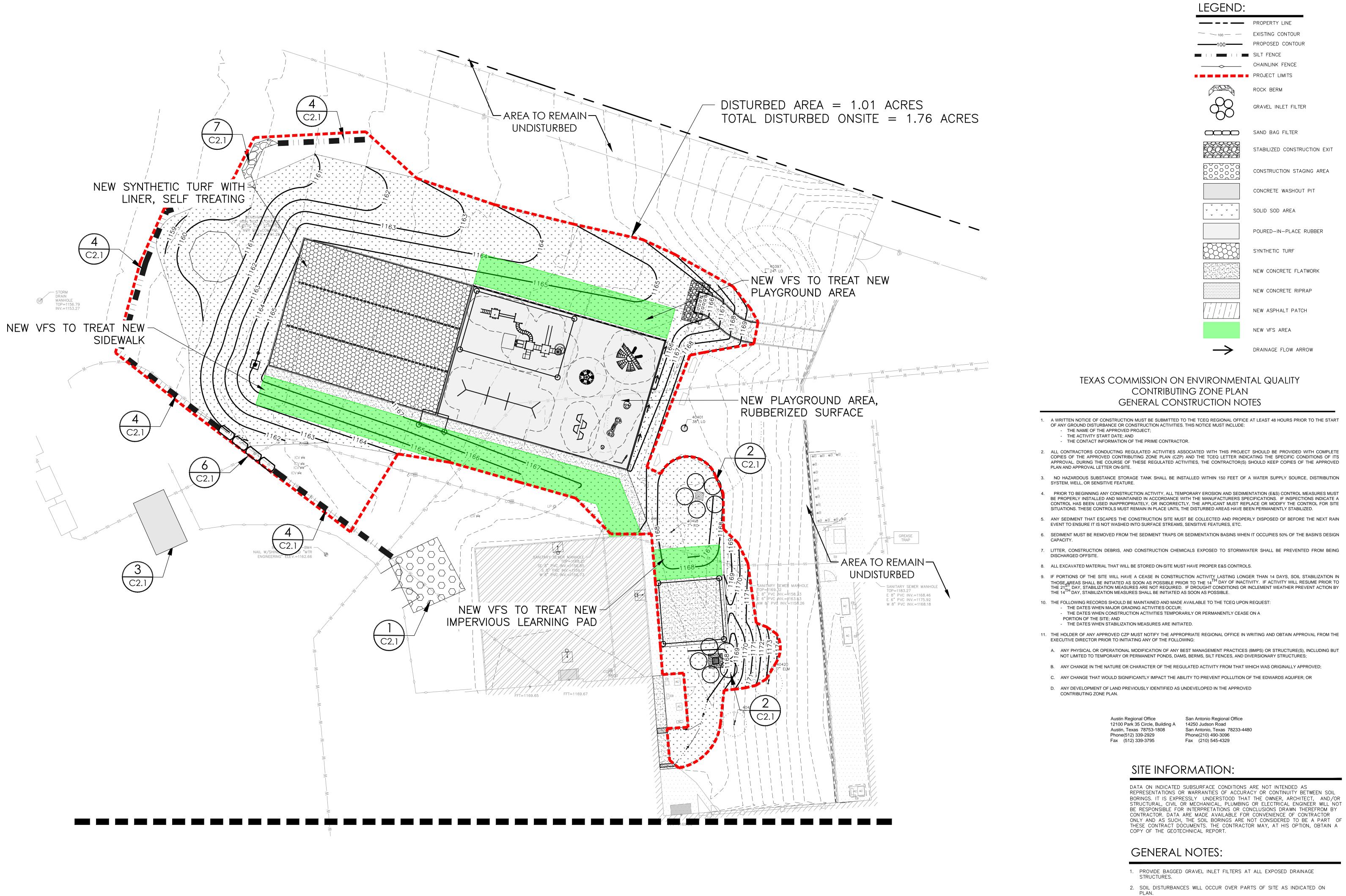
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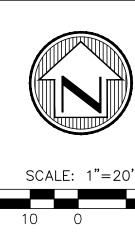
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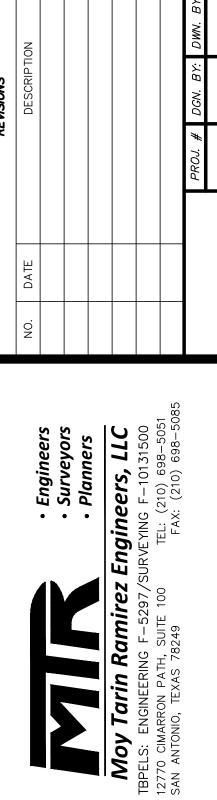




- 3. LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED.
- 4. THESE ARE THE TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES.
- 5. SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE ENTIRE SITE WITH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND
- 6. THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.

MULCH.

20	REUSIONS	DESCRIPTION	
		DATE	
		NO.	

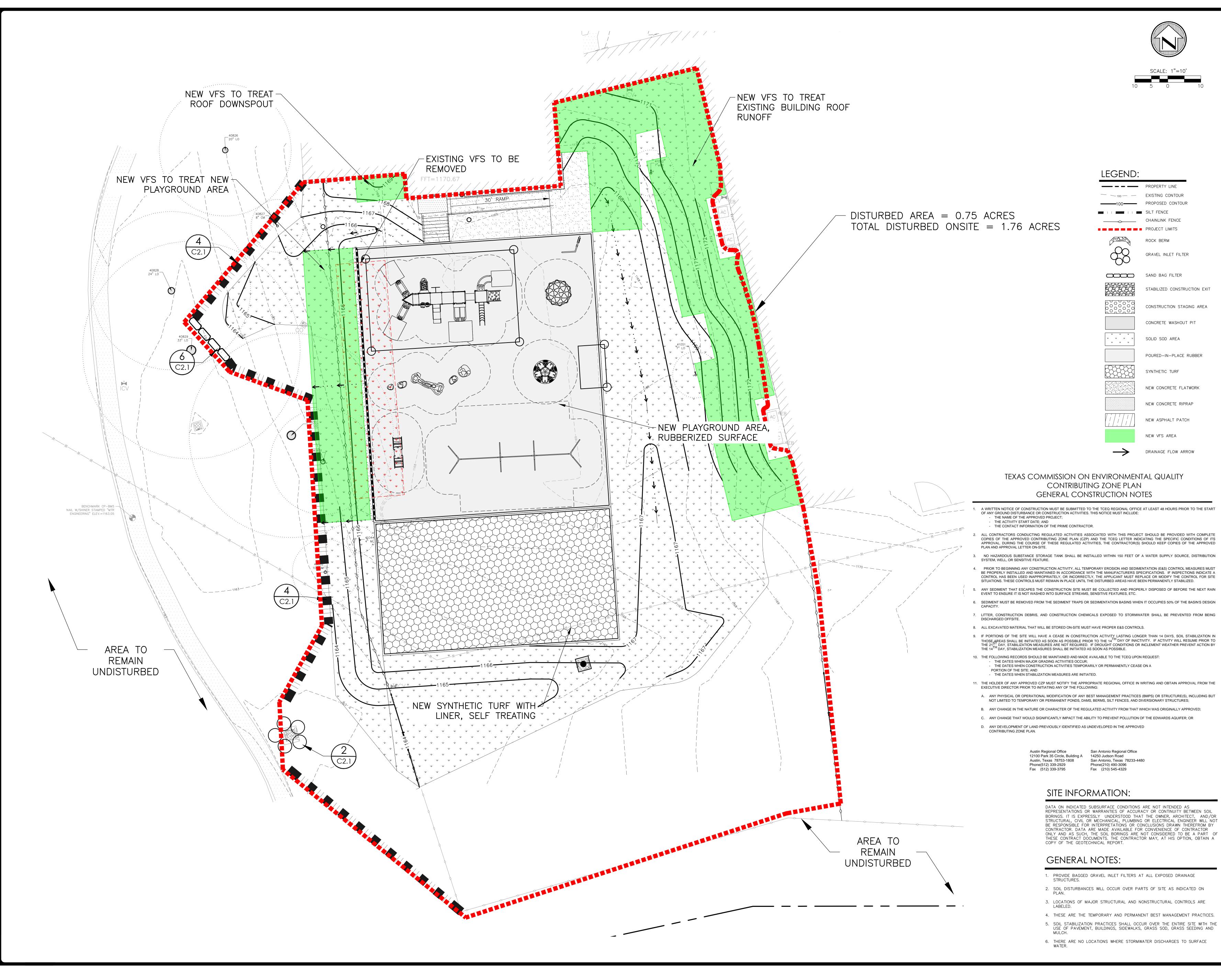


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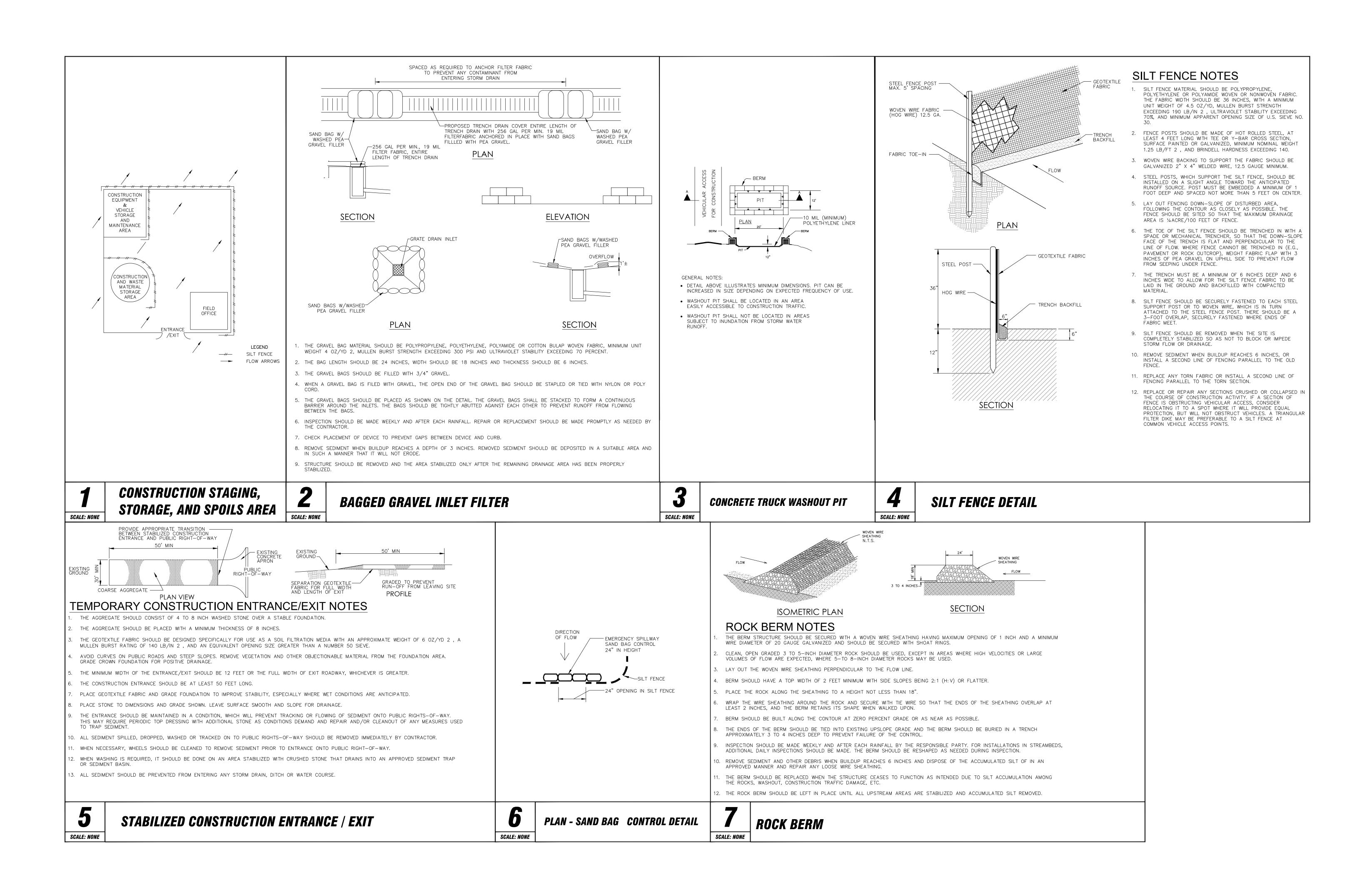
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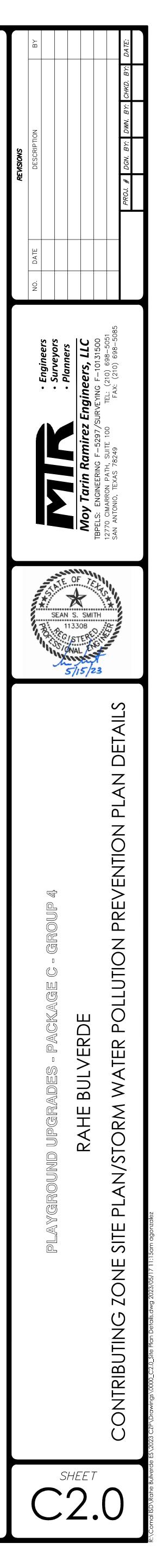
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GENERAL NOTES:

- 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.
- 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 DISCREPANCIÈS 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.
- . 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.

DRAINAGE AND STORM SEWER NOTES:

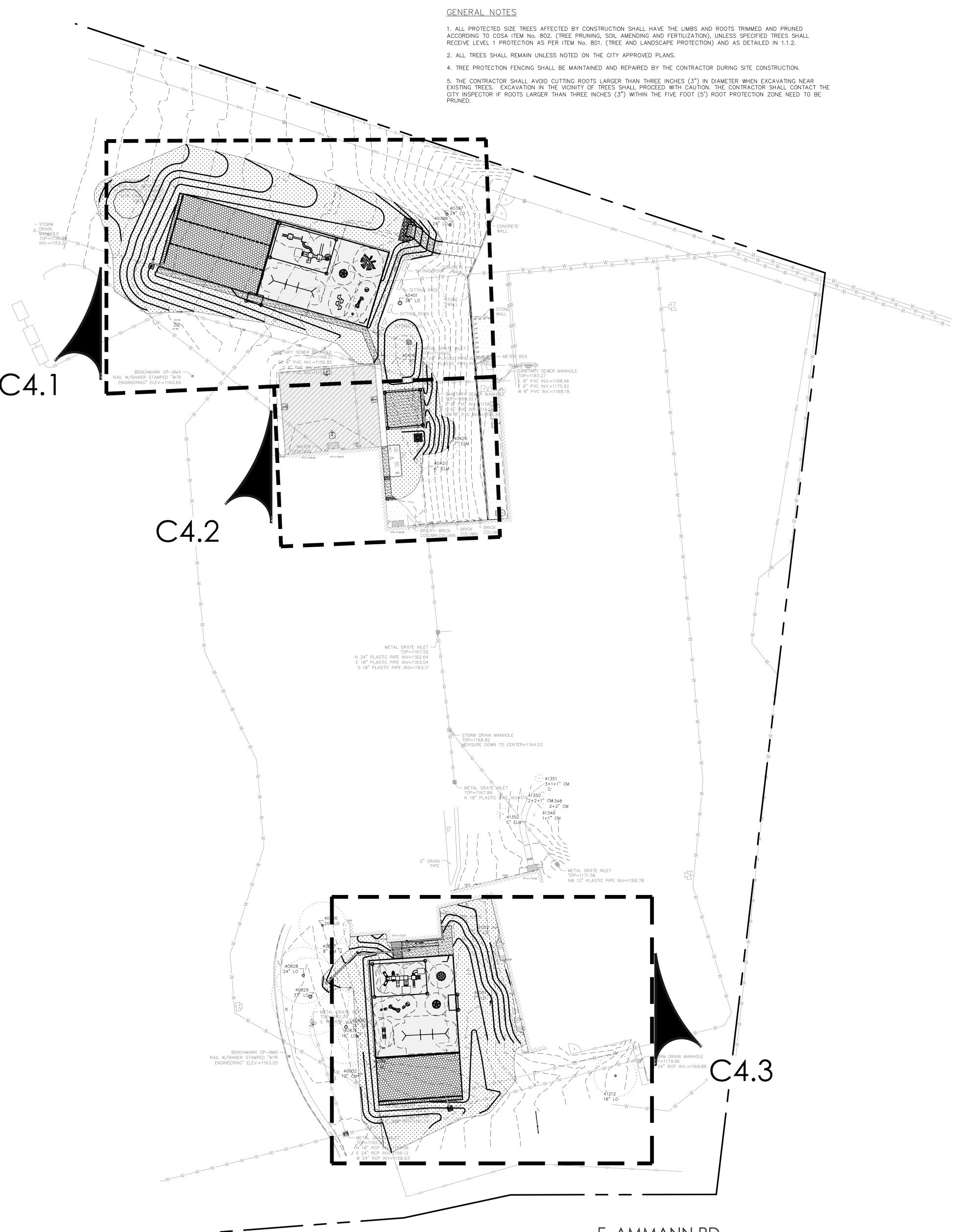
- 1. CLEAR COVER FOR REINFORCEMENT STEEL IS 2" UNLESS OTHERWISE NOTED. 2. MATERIAL SPECIFICATIONS:
- CONCRETE/CONCRETE RIPRAP: CLASS A 3000 PSI IN 28 DAYS UNLESS OTHERWISE NOTED ON PLANS. REINFORCING STEEL: CONFORM TO A.S.T.M. A-615, GRADE 60 (2" CLEAR COVER UNLESS OTHERWISE NOTED ON PLANS)
- PIPE RAILING: 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
- 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.

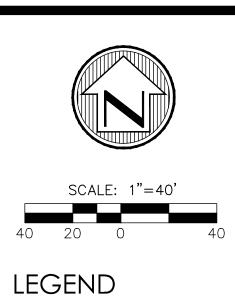
PAINT SPECFICATION

MARKINGS.

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.

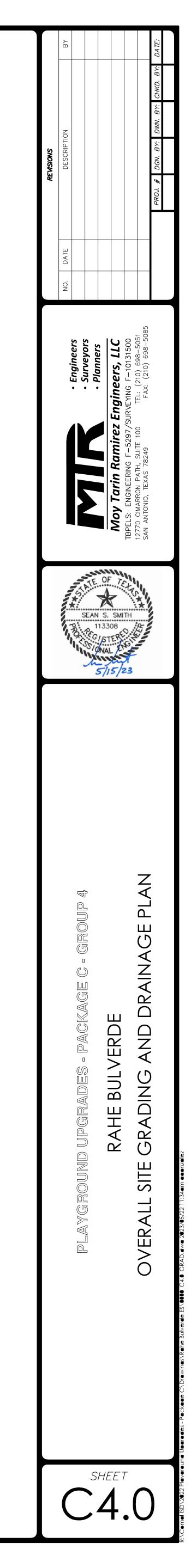


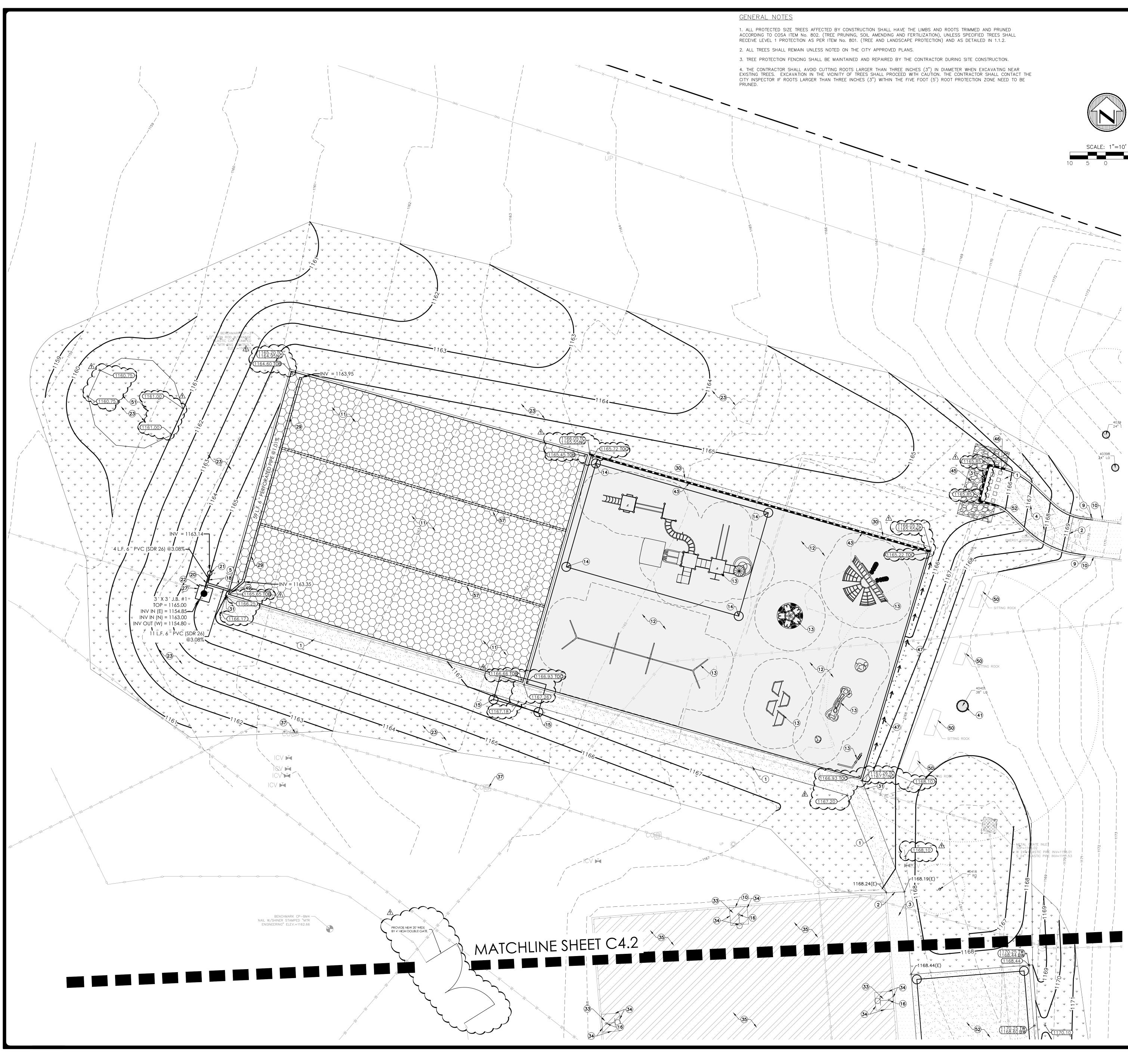


EXISTING SPOT ELEVATION +802.97 (XXX.XX)+ PROPOSED ELEVATION TOC TOP OF CONCRETE TOP OF CURB ELEVATION TC NATURAL GROUND ELEVATION NG INVERT ELEVATION INV TOP OF GRATE ELEVATION TOG TOB TOP OF COMPACTED BASE _____1004_____ NEW CONTOUR EXISTING CONTOUR CHAINLINK FENCE EQUIPMENT FALL ZONE AREA (TYP.) ¥ ¥ ¥ SOLID SOD AREA $\Psi = \Psi$ $\Psi = \Psi = \Psi$ POURED-IN-PLACE RUBBER MIMI SYNTHETIC TURF XIXI NEW CONCRETE FLATWORK NEW CONCRETE RIPRAP

NEW ASPHALT PATCH

E. AMMANN RD.





LEGEND

+802.97	EXISTING SPOT ELEVATION
(XXX.XX)+	PROPOSED ELEVATION
TOC	TOP OF CONCRETE
ТС	TOP OF CURB ELEVATION
NG	NATURAL GROUND ELEVATION
INV	INVERT ELEVATION
TOG	TOP OF GRATE ELEVATION
ТОВ	TOP OF COMPACTED BASE
— 1004 —	NEW CONTOUR
	EXISTING CONTOUR
	CHAINLINK FENCE
	EQUIPMENT FALL ZONE AREA
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	SOLID SOD AREA
	POURED-IN-PLACE RUBBER
	SYNTHETIC TURF
	NEW CONCRETE FLATWORK
	NEW CONCRETE RIPRAP
	NEW ASPHALT PATCH

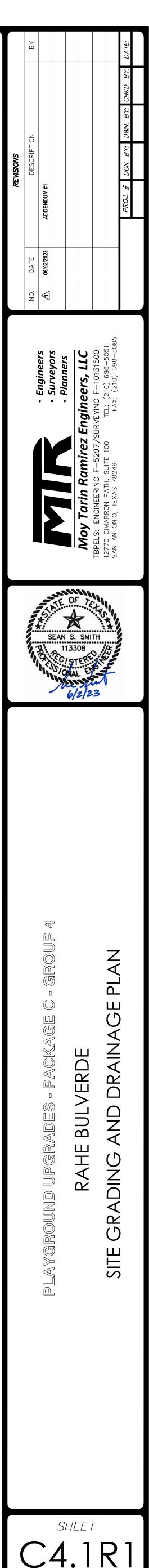
SITE GRADING/DRAINAGE KEYNOTES:

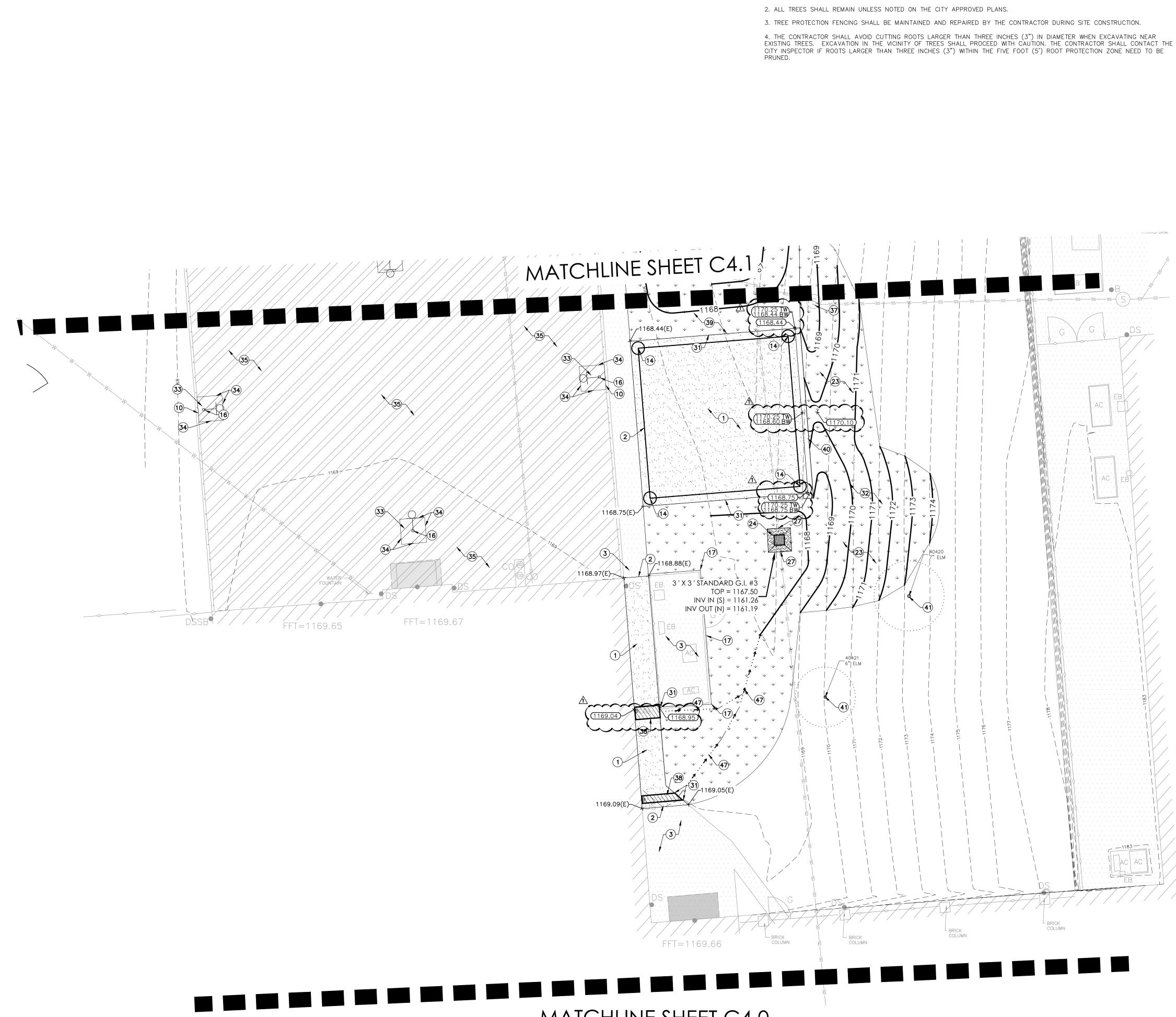
- 1 NEW CONCRETE SIDEWALK/FLATWORK. REFERENCE SECTION DETAIL NO. 6, SHEET C5.0.
- 2 NEW CONCRETE SIDEWALK/FLATWORK TO MATCH EXISTING. PROVIDE EXPANSION JOINT AT JUNCTURE PER DETAIL NO. 6, SHEET C5.0.
- 3 EXISTING CONCRETE SIDEWALK/FLATWORK/RIGID PAVEMENT/STRUCTURAL CONCRETE TO REMAIN IN PLACE.
- (4) NEW CONCRETE CHANNEL. REFERENCE DETAIL NO. 12, SHEET C5.1. (5) CONTRACTOR TO PROVIDE TWO 1/8 BENDS.
- (6) NEW CONCRETE HEADER (FLUSH) CURB.
- NEW CONCRETE RISERS WITH ADJACENT HANDRAILS. HANDRAILS ARE TO EXTEND 1'-0" MIN. BEYOND LIMITS OF RAMP ON BOTH SIDES. REFERENCE DETAIL NO.1, AND DETAIL NO.2 AND NO. 7 SHEET C5.2.
- (8) TYPICAL 6" CONCRETE CURB. REFERENCE DETAIL NO. 3, SHEET C5.0.
- 9 NEW CURB TO MATCH EXISTING. CONTRACTOR TO PROVIDE EXPANSION JOINT W/ 2 EA. 18" DOWELS DRILLED INTO EXISTING CONCRETE AT JUNCTURE. (10) EXISTING CONCRETE CURB TO REMAIN IN PLACE.
- (1) New synthetic turf playground section. Reference detail No. 1,
- 12 NEW POURED-IN-PLACE RUBBER PLAYGROUND SECTION. REFERENCE DETAIL NO. 2, SHEET C5.1.
- (13) NEW PLAYGROUND EQUIPMENT INSTALLED BY CONTRACTOR. 14 NEW SHADE STRUCTURE. REFERENCE SPECIFICATIONS. REFERENCE DIMENSIONAL CONTROL PLANS FOR DIMENSIONS.
- 15 NEW DUAL FOUNDATION CANTILEVER SHADE STRUCTURE. REFERENCE SPECIFICATIONS.
- NEW 9' HIGH BASKETBALL GOAL. MIRACLE EQUIPMENT MODEL# 360-757 OR APPROVED EQUAL. CONTRACTOR TO INSTALL CONCRETE FOOTING PER MANUFACTURER REQUIREMENTS.
- (17) EXISTING CHAIN-LINK FENCE TO REMAIN. 18 NEW SDR26 PVC DRAINAGE PIPING. REFERENCE SIZE, LENGTH AND INVERT ELEVATIONS SHOWN ON PLAN.
- (19) CONTRACTOR TO PROVIDE WYE BEND.
- (20) CONTRACTOR TO PROVIDE WYE AND 1/8 BEND.
- (21) NEW ONE-WAY CLEANOUT. REFERENCE DETAIL NO. 9, SHEET C5.0. (22) NEW PRE-CAST CONCRETE JUNCTION BOX ("OLD CASTLE" OR APPROVED EQUAL). CONTRACTOR TO PROVIDE 6" NECK EXTENSION WITH SOLID LID FOR ACCESS PER DETAIL NO. 10, SHEET C5.0. REFERENCE TOP AND
- INVERT ELEVATIONS AND BOX SIZE SHOWN ON PLAN. (23) NEW SOLID SOD. REFERENCE LANDSCAPING NOTES.
- A NEW PRE-CAST CONCRETE GRATE INLET ("OLD CASTLE" OR APPROVED EQUAL). IF LOCATED IN LANDSCAPED AREA, PROVIDE ADJACENT CONCRETE APRON PER DETAIL NO. 11, SHEET C5.0. CONTRACTOR TO PROVIDE VARIABLE HEIGHT RISERS AS NECESSARY. REFERENCE TOP OF GRATE AND INVERT ELEVATIONS AND INLET SIZE SHOWN ON PLAN.
- (25) EXISTING SANITARY SEWER TO REMAIN IN PLACE.
- (26) CONTRACTOR TO CONVERT EXISTING GRATE INLET TO JUNCTION BOX. REFERENCE PLAN FOR BOX SIZE AND TOP OF OF BOX ELEVATIONS.
- (27) CONTRACTOR TO EXTEND EXISTING/PROPOSED DRAINAGE PIPING TO INSIDE FACE OF NEW JUNCTION BOX.
- (28) CONCRETE RAMP AT 12:1 MAX. SLOPE. CONTRACTOR TO PROVIDE ADJACENT RAILS ON BOTH SIDES OF RAMP. RAILS TO EXTEND 1'-0" MIN. BEYOND LIMITS OF RAMP. REFERENCE RAMP LENGTH AND SPOT ELEVATIONS SHOWN ON PLAN. REFERENCE HANDRAIL DETAIL NO. 1, SHEET C5.2 AND SECTION DETAIL NO. 3, SHEET C5.2.
- (29) NEW 6" SCHED. 40 PERFORATED PVC DRAIN PIPE. REFERENCE DETAIL NO. 1, SHEET C5.1.
- (30) NEW CONCRETE RIP-RAP. REFERENCE DETAIL NO. 16, SHEET C5.0. (31) CONTRACTOR TO PROVIDE THICKENED EDGE. REFERENCE DETAIL NO. 6E, SHEET C5.0.
- (32) CONTRACTOR TO GRADE AT 4:1 SLOPE.
- (33) NEW ASPHALT PAVEMENT. REFERENCE DETAIL NO. 1, SHEET C5.0. (34) LIMIT OF ASPHALT PAVEMENT. REFERENCE DETAIL NO. 2, SHEET C5.0.
- (35) EXISTING ASPHALT PAVEMENT TO REMAIN IN PLACE.
- (36) NEW UNDERGROUND ELECTRICAL. CONTRACTOR TO PROVIDE PULL BOX AT LOCATION WHERE TYING TO EXISTING ELECTRICAL.
- (37) EXISTING UTILITY STRUCTURE OR CLEANOUT TO REMAIN IN PLACE. CONTRACTOR TO ADJUST LID TO FINISH GRADE.
- (38) NEW SIDEWALK DRAIN. REFERENCE DETAIL NO. 2, SHEET C5.2.
- (39) CONTRACTOR TO GRADE AT 5:1 SLOPE.
- (40) NEW COMBINATION SIDEWALK RETAINING WALL. REFERENCE DETAIL NO. 2, SHEET C5.3.
- (4) EXISTING TREE TO REMAIN. CONTRACTOR TO PROVIDE TREE PROTECTION PER SHEET C5.4.
- (42) NEW CHAIN-LINK FENCING TO MATCH EXISTING. CONTRACTOR TO PROVIDE TERMINAL POST.
- (43) CONTRACTOR TO PROVIDE DRAINAGE WEEPS DOWNSTREAM OF THE PLAYGROUND AND SYNTHETIC TURF.
- A NEW CAST-IN-PLACE CONCRETE HEADWALL. REFERENCE DETAIL NO. 3, SHEET C5.3.
- (45) NEW ROCK GABION MATTRESS. REFERENCE DETAIL NO. 5, SHEET C5.2.
- (46) NEW DISSIPATER BLOCKS. REFERENCE DETAIL NO. 4, SHEET C5.2. (47) CONTRACTOR TO GRADE AREA TO DRAIN.
- (48) EXISTING DOWNSPOUT TO BE REPAIRED.
- (49) CONTRACTOR TO SEAL LINER AROUND PIPE AND TRANSITION TO SOLID PIPE. SEAL PER MANUFACTURER REQUIREMENTS. (50) EXISTING SITTING ROCKS TO REMAIN IN PLACE.
- (51) CONTRACTOR TO RELOCATE GAGA PIT.

EQUAL.

- (52) NEW SAWTOOTH CURBS. REFERENCE DETAIL NO. 8, SHEET C5.2.
- (53) CONTRACTOR TO PROVIDE NEW SPLASH BLOCK. REFERENCE DETAIL NO. 4, SHEET C5.3.
- (54) NEW CHAIN-LINK FENCING. REFERENCE DETAIL NO. 6, SHEET C5.2. (55) PROVIDE 12' WIDE BY 4' HIGH FULLY CANTILEVERED SLIIDING GATE.
- REFERENCE DETAIL NO. 1, SHEET C5.3.
- (56) CONTRACTOR TO CONNECT EXISTING DOWNSPOUT TO UNDERGROUND DRAINAGE SYSTEM. PROVIDE CLEANOUT. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. DOWNSPOUT HEIGHTS VARY. REFERENCE DETAIL NO. 7, SHEET C5.0. (57) NEW J-DRAIN MVP 12-12" FLAT DRAIN (NO FILTER SOCKS) OR APPROVED







MATCHLINE SHEET C4.0

RECEIVE LEVEL 1 PROTECTION AS PER ITEM No. 801. (TREE AND LANDSCAPE PROTECTION) AND AS DETAILED IN 1.1.2.

1. ALL PROTECTED SIZE TREES AFFECTED BY CONSTRUCTION SHALL HAVE THE LIMBS AND ROOTS TRIMMED AND PRUNED ACCORDING TO COSA ITEM No. 802. (TREE PRUNING, SOIL AMENDING AND FERTILIZATION), UNLESS SPECIFIED TREES SHALL

<u>GENERAL NOTES</u>



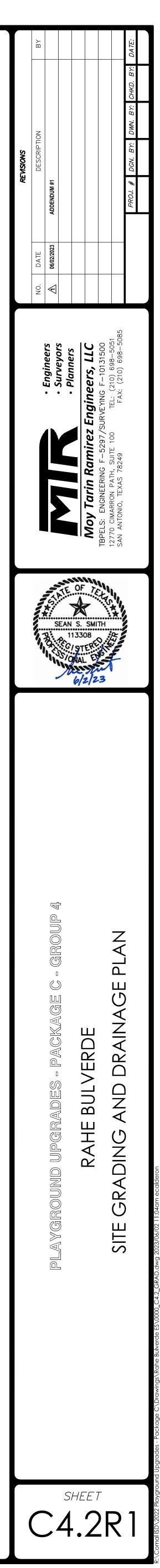
SITE GRADING/DRAINAGE KEYNOTES:

- 1 New concrete sidewalk/flatwork. Reference section detail no. 6, sheet c5.0.
- 2 NEW CONCRETE SIDEWALK/FLATWORK TO MATCH EXISTING. PROVIDE EXPANSION JOINT AT JUNCTURE PER DETAIL NO. 6, SHEET C5.0.
- 3 EXISTING CONCRETE SIDEWALK/FLATWORK/RIGID PAVEMENT/STRUCTURAL CONCRETE TO REMAIN IN PLACE.
- (4) NEW CONCRETE CHANNEL. REFERENCE DETAIL NO. 12, SHEET C5.1.
- (5) CONTRACTOR TO PROVIDE TWO 1/8 BENDS.
- (6) NEW CONCRETE HEADER (FLUSH) CURB.
- \fbox New concrete risers with adjacent handrails. Handrails are to extend 1'-0" min. Beyond limits of ramp on both sides. Reference DETAIL NO.1, AND DETAIL NO.2 AND NO. 7 SHEET C5.2.
- (8) typical 6" concrete curb. Reference detail no. 3, sheet c5.0.
- 9 NEW CURB TO MATCH EXISTING. CONTRACTOR TO PROVIDE EXPANSION JOINT W/ 2 EA. 18" DOWELS DRILLED INTO EXISTING CONCRETE AT JUNCTUŔE.
- (10) EXISTING CONCRETE CURB TO REMAIN IN PLACE.
- 1) NEW SYNTHETIC TURF PLAYGROUND SECTION. REFERENCE DETAIL NO. 1, SHEET C5.1.
- 12 NEW POURED-IN-PLACE RUBBER PLAYGROUND SECTION. REFERENCE DETAIL NO. 2, SHEET C5.1.
- (13) NEW PLAYGROUND EQUIPMENT INSTALLED BY CONTRACTOR.
- 14 NEW SHADE STRUCTURE. REFERENCE SPECIFICATIONS. REFERENCE DIMENSIONAL CONTROL PLANS FOR DIMENSIONS.
- 15 NEW DUAL FOUNDATION CANTILEVER SHADE STRUCTURE. REFERENCE SPECIFICATIONS.
- 16 NEW 9' HIGH BASKETBALL GOAL. MIRACLE EQUIPMENT MODEL# 360-757 OR APPROVED EQUAL. CONTRACTOR TO INSTALL CONCRETE FOOTING PER MANUFACTURER REQUIREMENTS.
- (17) EXISTING CHAIN-LINK FENCE TO REMAIN.
- (18) NEW SDR26 PVC DRAINAGE PIPING. REFERENCE SIZE, LENGTH AND INVERT ELEVATIONS SHOWN ON PLAN.
- (19) CONTRACTOR TO PROVIDE WYE BEND.
- (20) CONTRACTOR TO PROVIDE WYE AND 1/8 BEND.
- (21) NEW ONE-WAY CLEANOUT. REFERENCE DETAIL NO. 9, SHEET C5.0.
- 22 NEW PRE-CAST CONCRETE JUNCTION BOX ("OLD CASTLE" OR APPROVED EQUAL). CONTRACTOR TO PROVIDE 6" NECK EXTENSION WITH SOLID LID FOR ACCESS PER DETAIL NO. 10, SHEET C5.0. REFERENCE TOP AND INVERT ELEVATIONS AND BOX SIZE SHOWN ON PLAN. (23) NEW SOLID SOD. REFERENCE LANDSCAPING NOTES.
- 24 NEW PRE-CAST CONCRETE GRATE INLET ("OLD CASTLE" OR APPROVED EQUAL). IF LOCATED IN LANDSCAPED AREA, PROVIDE ADJACENT CONCRETE APRON PER DETAIL NO. 11, SHEET C5.0. CONTRACTOR TO PROVIDE VARIABLE HEIGHT RISERS AS NECESSARY. REFERENCE TOP OF GRATE AND INVERT ELEVATIONS AND INLET SIZE SHOWN ON PLAN.
- (25) EXISTING SANITARY SEWER TO REMAIN IN PLACE.
- (26) CONTRACTOR TO CONVERT EXISTING GRATE INLET TO JUNCTION BOX. REFERENCE PLAN FOR BOX SIZE AND TOP OF OF BOX ELEVATIONS.
- 27 contractor to extend existing/proposed drainage piping to inside face of New junction box.
- (28) CONCRETE RAMP AT 12:1 MAX. SLOPE. CONTRACTOR TO PROVIDE ADJACENT RAILS ON BOTH SIDES OF RAMP. RAILS TO EXTEND 1'-0" MIN. BEYOND LIMITS OF RAMP. REFERENCE RAMP LENGTH AND SPOT ELEVATIONS SHOWN ON PLAN. REFERENCE HANDRAIL DETAIL NO. 1, SHEET C5.2 AND SECTION DETAIL NO. 3, SHEET C5.2.
- 29 NEW 6" SCHED. 40 PERFORATED PVC DRAIN PIPE. REFERENCE DETAIL NO. 1, SHEET C5.1.
- (30) NEW CONCRETE RIP-RAP. REFERENCE DETAIL NO. 16, SHEET C5.0.
- (3) CONTRACTOR TO PROVIDE THICKENED EDGE. REFERENCE DETAIL NO. 6E, SHEET C5.0.
- (32) CONTRACTOR TO GRADE AT 4:1 SLOPE.
- (33) NEW ASPHALT PAVEMENT. REFERENCE DETAIL NO. 1, SHEET C5.0.
- (34) LIMIT OF ASPHALT PAVEMENT. REFERENCE DETAIL NO. 2, SHEET C5.0.
- (35) EXISTING ASPHALT PAVEMENT TO REMAIN IN PLACE.
- (36) NEW UNDERGROUND ELECTRICAL. CONTRACTOR TO PROVIDE PULL BOX AT LOCATION WHERE TYING TO EXISTING ELECTRICAL.
- EXISTING UTILITY STRUCTURE OR CLEANOUT TO REMAIN IN PLACE.
- (38) NEW SIDEWALK DRAIN. REFERENCE DETAIL NO. 2, SHEET C5.2.
- (39) CONTRACTOR TO GRADE AT 5:1 SLOPE.
- (40) NEW COMBINATION SIDEWALK RETAINING WALL. REFERENCE DETAIL NO. 2, SHEET C5.3.
- (4) EXISTING TREE TO REMAIN. CONTRACTOR TO PROVIDE TREE PROTECTION PER SHEET C5.4.
- 42 NEW CHAIN-LINK FENCING TO MATCH EXISTING. CONTRACTOR TO PROVIDE TERMINAL POST.
- (43) CONTRACTOR TO PROVIDE DRAINAGE WEEPS DOWNSTREAM OF THE PLAYGROUND AND SYNTHETIC TURF.
- 44 NEW CAST-IN-PLACE CONCRETE HEADWALL. REFERENCE DETAIL NO. 3, SHEET C5.3.
- (45) NEW ROCK GABION MATTRESS. REFERENCE DETAIL NO. 5, SHEET C5.2. (46) NEW DISSIPATER BLOCKS. REFERENCE DETAIL NO. 4, SHEET C5.2.
- (47) CONTRACTOR TO GRADE AREA TO DRAIN.
- (48) EXISTING DOWNSPOUT TO BE REPAIRED.
- (49) CONTRACTOR TO SEAL LINER AROUND PIPE AND TRANSITION TO SOLID PIPE. SEAL PER MANUFACTURER REQUIREMENTS.
- (50) EXISTING SITTING ROCKS TO REMAIN IN PLACE.
- 51) CONTRACTOR TO RELOCATE GAGA PIT.
- (52) NEW SAWTOOTH CURBS. REFERENCE DETAIL NO. 8, SHEET C5.2.
- (53) CONTRACTOR TO PROVIDE NEW SPLASH BLOCK. REFERENCE DETAIL NO. 4 SHEET C5.3.
- (54) NEW CHAIN-LINK FENCING. REFERENCE DETAIL NO. 6, SHEET C5.2.
- (55) PROVIDE 12' WIDE BY 4' HIGH FULLY CANTILEVERED SLIIDING GATE. REFERENCE DETAIL NO. 1, SHEET C5.3.
- (56) CONTRACTOR TO CONNECT EXISTING DOWNSPOUT TO UNDERGROUND DRAINAGE SYSTEM. PROVIDE CLEANOUT. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. DOWNSPOUT HEIGHTS VARY. REFERENCE DETAIL NO. 7, SHEET C5.0.
- $\overline{57}$ New J-drain MVP 12-12" flat drain (no filter socks) or approved Equal.

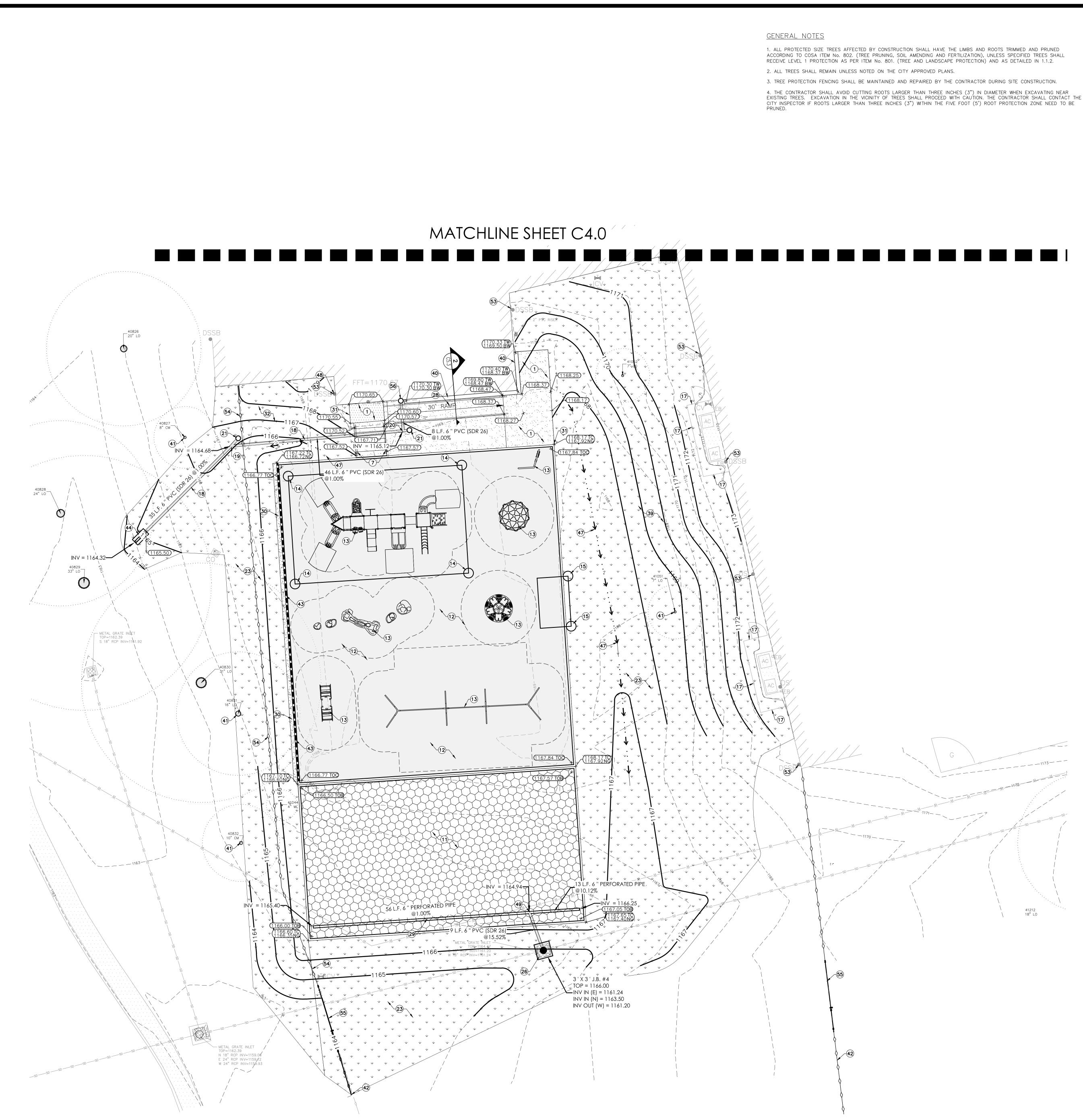
LEGEND	
+802.97	EXISTING SPOT ELEVATION
(XXX.XX)+	PROPOSED ELEVATION
TOC	TOP OF CONCRETE
TC	TOP OF CURB ELEVATION
NG	NATURAL GROUND ELEVATION
INV	INVERT ELEVATION
TOG	TOP OF GRATE ELEVATION
TOB	TOP OF COMPACTED BASE
1004	NEW CONTOUR
<u> </u>	EXISTING CONTOUR
	CHAINLINK FENCE
	EQUIPMENT FALL ZONE AREA (
	SOLID SOD AREA
	POURED-IN-PLACE RUBBER
	SYNTHETIC TURF

NEW CONCRETE FLATWORK

- NEW CONCRETE RIPRAP
- NEW ASPHALT PATCH



REA (TYP.)



LEGEND

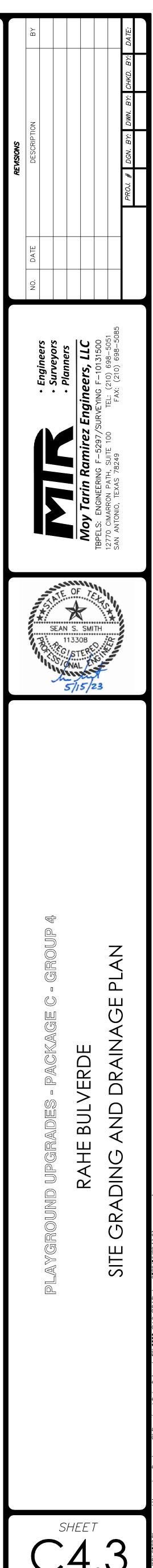
+802.97	EXISTING SPOT ELEVATION
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TOC	TOP OF CONCRETE
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INV	INVERT ELEVATION
TOG	TOP OF GRATE ELEVATION
TOB	TOP OF COMPACTED BASE
1004	NEW CONTOUR
<u> </u>	EXISTING CONTOUR
>	CHAINLINK FENCE
	EQUIPMENT FALL ZONE AREA (
$\begin{array}{cccc} \psi & \psi & \psi \\ \psi & \psi & \psi & \psi \\ \psi & \psi & \psi \end{array}$	SOLID SOD AREA
	POURED-IN-PLACE RUBBER
	SYNTHETIC TURF
	NEW CONCRETE FLATWORK
	NEW CONCRETE RIPRAP

NEW ASPHALT PATCH

SITE GRADING/DRAINAGE KEYNOTES:

- 1 NEW CONCRETE SIDEWALK/FLATWORK. REFERENCE SECTION DETAIL NO. 6, SHEET C5.0.
- 2 NEW CONCRETE SIDEWALK/FLATWORK TO MATCH EXISTING. PROVIDE EXPANSION JOINT AT JUNCTURE PER DETAIL NO. 6, SHEET C5.0.
- 3 EXISTING CONCRETE SIDEWALK/FLATWORK/RIGID PAVEMENT/STRUCTURAL CONCRETE TO REMAIN IN PLACE.
- (4) NEW CONCRETE CHANNEL. REFERENCE DETAIL NO. 12, SHEET C5.1.
- (5) CONTRACTOR TO PROVIDE TWO 1/8 BENDS. (6) NEW CONCRETE HEADER (FLUSH) CURB.
- NEW CONCRETE RISERS WITH ADJACENT HANDRAILS. HANDRAILS ARE TO EXTEND 1'-O" MIN. BEYOND LIMITS OF RAMP ON BOTH SIDES. REFERENCE DETAIL NO.1, AND DETAIL NO.2 AND NO. 7 SHEET C5.2.
- (8) TYPICAL 6" CONCRETE CURB. REFERENCE DETAIL NO. 3, SHEET C5.0.
- (9) NEW CURB TO MATCH EXISTING. CONTRACTOR TO PROVIDE EXPANSION JOINT W/2 EA. 18" DOWELS DRILLED INTO EXISTING CONCRETE AT JUNCTUŔE. (10) EXISTING CONCRETE CURB TO REMAIN IN PLACE.
- 1 NEW SYNTHETIC TURF PLAYGROUND SECTION. REFERENCE DETAIL NO. 1,
- 12 NEW POURED-IN-PLACE RUBBER PLAYGROUND SECTION. REFERENCE DETAIL NO. 2, SHEET C5.1.
- (13) NEW PLAYGROUND EQUIPMENT INSTALLED BY CONTRACTOR. 14 NEW SHADE STRUCTURE. REFERENCE SPECIFICATIONS. REFERENCE DIMENSIONAL CONTROL PLANS FOR DIMENSIONS.
- 15 NEW DUAL FOUNDATION CANTILEVER SHADE STRUCTURE. REFERENCE SPECIFICATIONS.
- (16) NEW 9' HIGH BASKETBALL GOAL. MIRACLE EQUIPMENT MODEL# 360-757 OR APPROVED EQUAL. CONTRACTOR TO INSTALL CONCRETE FOOTING PER MANUFACTURER REQUIREMENTS.
- (17) EXISTING CHAIN-LINK FENCE TO REMAIN. (18) NEW SDR26 PVC DRAINAGE PIPING. REFERENCE SIZE, LENGTH AND INVERT ELEVATIONS SHOWN ON PLAN.
- (19) CONTRACTOR TO PROVIDE WYE BEND.
- (20) CONTRACTOR TO PROVIDE WYE AND 1/8 BEND.
- (21) NEW ONE-WAY CLEANOUT. REFERENCE DETAIL NO. 9, SHEET C5.0. 22 NEW PRE-CAST CONCRETE JUNCTION BOX ("OLD CASTLE" OR APPROVED EQUAL). CONTRACTOR TO PROVIDE 6" NECK EXTENSION WITH SOLID LID FOR ACCESS PER DETAIL NO. 10, SHEET C5.0. REFERENCE TOP AND INVERT ELEVATIONS AND BOX SIZE SHOWN ON PLAN.
- (23) NEW SOLID SOD. REFERENCE LANDSCAPING NOTES.
- 24 NEW PRE-CAST CONCRETE GRATE INLET ("OLD CASTLE" OR APPROVED EQUAL). IF LOCATED IN LANDSCAPED AREA, PROVIDE ADJACENT CONCRETE APRON PER DETAIL NO. 11, SHEET C5.0. CONTRACTOR TO PROVIDE VARIABLE HEIGHT RISERS AS NECESSARY, REFERENCE TOP OF GRATE AND INVERT ELEVATIONS AND INLET SIZE SHOWN ON PLAN.
- (25) EXISTING SANITARY SEWER TO REMAIN IN PLACE.
- (26) CONTRACTOR TO CONVERT EXISTING GRATE INLET TO JUNCTION BOX. REFERENCE PLAN FOR BOX SIZE AND TOP OF OF BOX ELEVATIONS.
- (27) CONTRACTOR TO EXTEND EXISTING/PROPOSED DRAINAGE PIPING TO INSIDE FACE OF NEW JUNCTION BOX.
- (28) CONCRETE RAMP AT 12:1 MAX. SLOPE. CONTRACTOR TO PROVIDE ADJACENT RAILS ON BOTH SIDES OF RAMP. RAILS TO EXTEND 1'-0" MIN. BEYOND LIMITS OF RAMP. REFERENCE RAMP LENGTH AND SPOT ELEVATIONS SHOWN ON PLAN. REFERENCE HANDRAIL DETAIL NO. 1, SHEET C5.2 AND SECTION DETAIL NO. 3, SHEET C5.2.
- New 6" SCHED. 40 PERFORATED PVC DRAIN PIPE. REFERENCE DETAIL NO.
 1, SHEET C5.1.
- (30) NEW CONCRETE RIP-RAP. REFERENCE DETAIL NO. 16, SHEET C5.0. (31) CONTRACTOR TO PROVIDE THICKENED EDGE. REFERENCE DETAIL NO. 6E, SHEET C5.0.
- (32) CONTRACTOR TO GRADE AT 4:1 SLOPE.
- (33) NEW ASPHALT PAVEMENT. REFERENCE DETAIL NO. 1, SHEET C5.0. (34) LIMIT OF ASPHALT PAVEMENT. REFERENCE DETAIL NO. 2, SHEET C5.0.
- (35) EXISTING ASPHALT PAVEMENT TO REMAIN IN PLACE.
- (36) NEW UNDERGROUND ELECTRICAL. CONTRACTOR TO PROVIDE PULL BOX AT LOCATION WHERE TYING TO EXISTING ELECTRICAL.
- (37) EXISTING UTILITY STRUCTURE OR CLEANOUT TO REMAIN IN PLACE. CONTRACTOR TO ADJUST LID TO FINISH GRADE.
- (38) NEW SIDEWALK DRAIN. REFERENCE DETAIL NO. 2, SHEET C5.2.
- (39) CONTRACTOR TO GRADE AT 5:1 SLOPE.
- (40) NEW COMBINATION SIDEWALK RETAINING WALL. REFERENCE DETAIL NO. 2, SHEET C5.3.
- (41) EXISTING TREE TO REMAIN. CONTRACTOR TO PROVIDE TREE PROTECTION PER SHEET C5.4.
- (42) NEW CHAIN-LINK FENCING TO MATCH EXISTING. CONTRACTOR TO PROVIDE TERMINAL POST.
- (43) CONTRACTOR TO PROVIDE DRAINAGE WEEPS DOWNSTREAM OF THE PLAYGROUND AND SYNTHETIC TURF.
- A NEW CAST-IN-PLACE CONCRETE HEADWALL. REFERENCE DETAIL NO. 3, SHEET C5.3.
- (45) NEW ROCK GABION MATTRESS. REFERENCE DETAIL NO. 5, SHEET C5.2.
- (46) NEW DISSIPATER BLOCKS. REFERENCE DETAIL NO. 4, SHEET C5.2.
- (47) CONTRACTOR TO GRADE AREA TO DRAIN. (48) EXISTING DOWNSPOUT TO BE REPAIRED.
- (49) CONTRACTOR TO SEAL LINER AROUND PIPE AND TRANSITION TO SOLID PIPE. SEAL PER MANUFACTURER REQUIREMENTS.
- (50) EXISTING SITTING ROCKS TO REMAIN IN PLACE. (51) CONTRACTOR TO RELOCATE GAGA PIT.
- (52) NEW SAWTOOTH CURBS. REFERENCE DETAIL NO. 8, SHEET C5.2.
- (53) CONTRACTOR TO PROVIDE NEW SPLASH BLOCK. REFERENCE DETAIL NO. 4, SHEET C5.3.
- (54) NEW CHAIN-LINK FENCING. REFERENCE DETAIL NO. 6, SHEET C5.2.
- (55) PROVIDE 12' WIDE BY 4' HIGH FULLY CANTILEVERED SLIIDING GATE. REFERENCE DETAIL NO. 1, SHEET C5.3.
- (56) CONTRACTOR TO CONNECT EXISTING DOWNSPOUT TO UNDERGROUND DRAINAGE SYSTEM. PROVIDE CLEANOUT. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. DOWNSPOUT HEIGHTS VARY. REFERENCE DETAIL NO. 7, SHEET C5.0.
- 57 NEW J-DRAIN MVP 12-12" FLAT DRAIN (NO FILTER SOCKS) OR APPROVED EQUAL.





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.

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.

TREWT DEWATERS Print Name

Signature of Applicant/Owner/Agent

6-2-2023 Date

Temporary Stormwater Section

Texas Commission on Environmental Quality

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

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

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

Signature

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

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

Date: <u>06/14/2023</u>

Signature of Customer/Agent:

Regulated Entity Name: CISD RAHE BULVERDE ELEMENTARY SCHOOL

Project Information

Potential Sources of Contamination

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

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

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

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

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

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

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

Sequence of Construction

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

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

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

Temporary Best Management Practices (TBMPs)

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

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

of how BMPs and measures will prevent pollution of surface water, or stormwater that originates upgradient from the site and flows e. of how BMPs and measures will prevent pollution of surface water or that originates on-site or flows off site, including pollution caused by d stormwater runoff from the site. of how BMPs and measures will prevent pollutants from entering ms, sensitive features, or the aquifer. of how, to the maximum extent practicable, BMPs and measures will <i>t</i> to naturally-occurring sensitive features identified in either the ssment, TCEQ inspections, or during excavation, blasting, or
ealing of a naturally-occurring sensitive feature which accepts recharge quifer as a temporary pollution abatement measure during active uld be avoided.
E - Request to Temporarily Seal a Feature . A request to temporarily is attached. The request includes justification as to why no reasonable alternative exists for each feature. no temporary sealing of naturally-occurring sensitive features on the
tructural Practices . A description of the structural practices that will be ws away from exposed soils, to store flows, or to otherwise limit runoff utants from exposed areas of the site is attached. Placement of es in floodplains has been avoided.
Drainage Area Map. A drainage area map supporting the following attached:
t will have more than 10 acres within a common drainage area one time, a sediment basin will be provided. t will have more than 10 acres within a common drainage area one time, a smaller sediment basin and/or sediment trap(s) will be t will have more than 10 acres within a common drainage area one time, a sediment basin or other equivalent controls are not at other TBMPs and measures will be used in combination to protect nd side slope boundaries of the construction area. areas greater than 10 acres within a common drainage area that will be one time. A smaller sediment basin and/or sediment trap(s) will be ination with other erosion and sediment controls within each disturbed a.

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

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

Soil Stabilization Practices

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

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

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

Administrative Information

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

ATTACHMENT A SPILL RESPONSE ACTIONS

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

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

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

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

(1) Clean up leaks and spills immediately

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

(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in TCEQ Technical Guidance Manual RG-348 for specific information.

Minor Spills

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

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

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

- (4) Follow the practice below for a minor spill:
- (5) Contain the spread of the spill.
- (6) Recover spilled materials.

(7) Clean the contaminated area and properly dispose of contaminated materials.

Semi-Significant Spills

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

Spills should be cleaned up immediately:

(1) Contain spread of the spill.

(2) Notify the project foreman immediately.

(3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.

(4) If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.

(5) If the spill occurs during rain, cover the spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities: (1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

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

(3) Notification should first be made by telephone and followed up with a written report.

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

(5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

D. Vehicle and Equipment Maintenance

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

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

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

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

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

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

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

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

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

E. Vehicle and Equipment Fueling

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

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

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

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

ATTACHMENT B POTENTIAL SOURCES OF CONTAMINATION

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

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

ATTACHMENT C SEQUENCE OF MAJOR ACTIVITIES

Construction Sequencing

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

ATTACHMENT D TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

Description of Temporary Best Management Practices:

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

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

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

Up gradient storm water flowing across the site:

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

Onsite storm water flowing across and off the site:

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

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

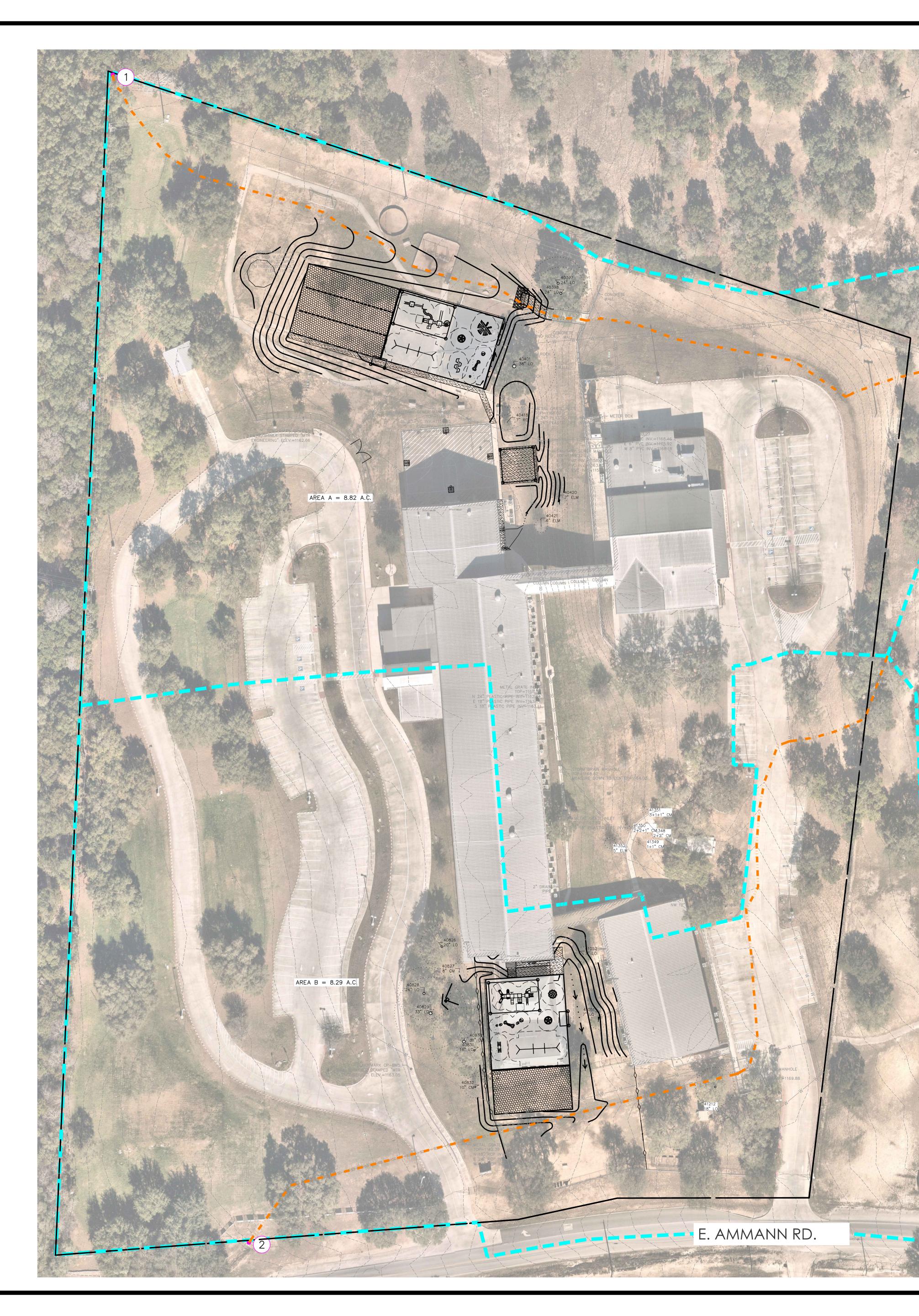
The storm water originating onsite and flowing off the site will be treated using temporary BMPs prior to it entering surface streams, sensitive features and the aquifer. Silt fences will be installed at all locations where non-concentrated storm water may leave the site. These silt fences should filter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

Maintaining flow to naturally-occurring sensitive features:

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

ATTACHMENT F STRUCTURAL PRACTICES

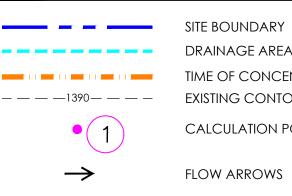
Vegetation will be used as a temporary stabilization technique for all areas disturbed by construction, not covered by pavement, buildings, or other structures. Temporary stabilization shall consist of temporary seeding of disturbed areas that are denuded beyond 14 days without construction restart within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





SCALE: 1"=30'

LEGEND



DRAINAGE AREA BOUNDARY ---- EXISTING CONTOURS CALCULATION POINT

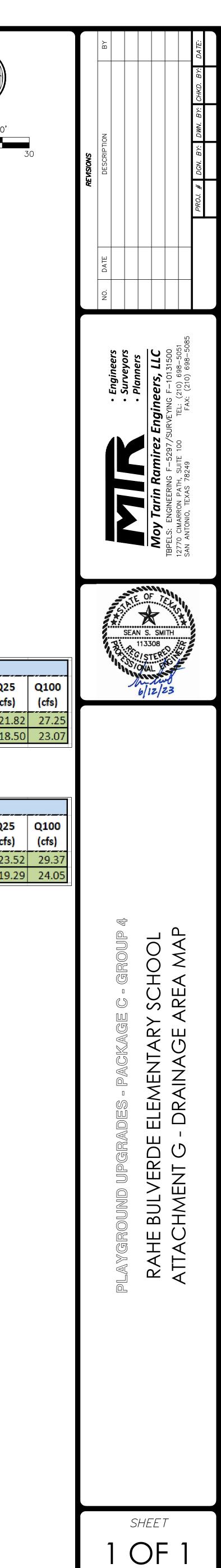
FLOW ARROWS

EXISTING DRAINAGE CALCULATIONS

	EXISTING CONDITIONS Q CALCULATION								
PT. NO.	AREA OF ACCUMULATION	TOTAL ACRES	C-VALUE	Tc (min)	15 (in/hr)	l25 (in/hr)	1100 (in/hr)	Q5 (cfs)	Q25 (cfs)
1	А	8.82	0.31	12.50	5.71	7.97	9.95	15.64	21.
2	В	8.29	0.30	14.50	5.33	7.38	9.21	13.36	18.

PROPOSED DRAINAGE CALCULATIONS

	PROPOSED/ULTIMATE CONDITIONS Q CALCULATION								
PT. NO.	AREA OF ACCUMULATION	TOTAL ACRES	C-VALUE	Tc (min)	15 (in/hr)	l25 (in/hr)	1100 (in/hr)	Q5 (cfs)	Q2! (cfs
1	А	8.82	0.33	12.50	5.71	7.97	9.95	16.86	23
2	В	8.29	0.32	14.50	5.33	7.38	9.21	13.93	19



ATTACHMENT I INSPECTION AND MAINTENANCE FOR BMPS

<u>Silt Fence</u>

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

Bagged Gravel Inlet Filter

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

CISD RAHE BULVERDE ELEMENTARY SCHOOL

Responsible Party Form

Pollution Prevention Measure		p p	Corrective Action		
		Inspected	Description	Date Completed	
	Inspections				
nce	Fencing				
Silt Fence	Sediment Removal				
Sil	Torn Fabric				
	Crushed/Collapsed Fencing				
ed r	Inspections				
Bagged Gravel Inlet Filters	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 of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

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

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

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

Temporary Vegetation

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

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

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

Materials:

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

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

Installation:

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

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

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

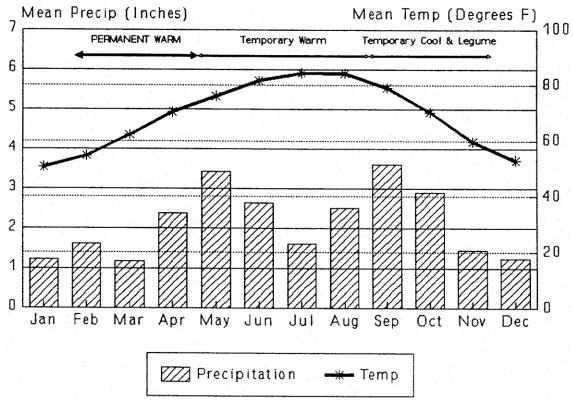


Figure 1-19 Planting Dates for Bexar, Comal, Kinney, Medina, and Uvalde Counties (Northcutt, 1993)

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

Dates	Climate	Species (lb/ac)	
Sept 1 to Nov 30	Temporary Cool Season	Tall Fescue	4.0
		Oats	21.0
		Wheat (Red,	20.0
		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 $\frac{1}{2}$ " or greater) may allow watering to be postponed until the next scheduled irrigation.

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

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

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

Inspection and Maintenance Guidelines:

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

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

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

Agent Authorization Form

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

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

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

- 1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
- 2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
- 3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
- 4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
- 5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Applicant's Signature

2 20: < 5 Date

THE STATE Q County of

BEFORE ME, the undersigned authority, on this day personally appeared by the company 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 $\overline{Z3}$ day of



Typed or Printed Name bf Notary

MY COMMISSION EXPIRES: <u>Z-19-ZOZ</u>4

Application Fee Form

Texas Commission on Environmental Quality						
Name of Proposed Regulated Entity	e Elementary School					
Regulated Entity Location: <u>1715 Eas</u>	lverde, TX 78163					
Name of Customer: <u>Comal ISD</u>						
Contact Person: Jeffrey Smith		ne: <u>830-885-9500</u>				
Customer Reference Number (if issued):CN <u>600249825</u>						
	Regulated Entity Reference Number (if issued):RN <u>105601827</u>					
Austin Regional Office (3373)						
🗌 Hays	Travis		/illiamson			
San Antonio Regional Office (3362)						
Bexar	Medina	Πυ	valde			
Comal	Kinney					
Application fees must be paid by ch	<u> </u>	or money order, paval	ole to the Texas			
Commission on Environmental Qua						
form must be submitted with your						
Austin Regional Office		an Antonio Regional (
Mailed to: TCEQ - Cashier		Overnight Delivery to:				
Revenues Section		12100 Park 35 Circle				
Mail Code 214	E	Building A, 3rd Floor				
P.O. Box 13088		Austin, TX 78753				
Austin, TX 78711-3088		512)239-0357				
Site Location (Check All That Apply)	:					
Recharge Zone	Contributing Zone	Transi	tion Zone			
Type of Plan		Size	Fee Due			
Water Pollution Abatement Plan, Co	ntributing Zone					
Plan: One Single Family Residential	Dwelling	Acres	\$			
Water Pollution Abatement Plan, Co	•					
Plan: Multiple Single Family Resident		Acres	\$			
Water Pollution Abatement Plan, Contributing Zone						
Plan: Non-residential	15.29 Acres	\$ 6,500.00				
Sewage Collection System	L.F.	\$				
Lift Stations without sewer lines	Acres	\$				
Underground or Aboveground Stora	Tanks	\$				
Piping System(s)(only)	Each	\$				
Exception	Each	\$				
Extension of Time		Each	\$			
Signature: Date: <u>06/14/2023</u>						

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

	Project	Fee
Exception Request		\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150



TCEQ Core Data Form

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

SECTION I: General Information

2011011													
		sion (If other is c				•	,						
New Pe	rmit, Regis	stration or Authori	zation (Core I	Data Fo	rm should b	e subn	nitted wit	h the p	rogram a	applicatio	n.)		
Renewal (Core Data Form should be submitted with the renewal form)						0	ther						
2. Customer	Referenc	e Number <i>(if i</i> ss	ued)		this link to s		3. Reg	ulated	Entity R	eference	e Number <i>(i</i>	if issued)	
CN 6002	49825			for CN or RN numbers in Central Registry**			RN	10638	85370				
SECTION	II: Cu	stomer Info	ormation										
4. General C	ustomer l	nformation	5. Effective	e Date fo	or Custome	er Infoi	rmation	Update	es (mm/c	ld/yyyy)			
New Cust		ne (Verifiable wit	_		to Custome v of State or			oller of		•	Regulated E	Entity Ownership)
-	-	ne submitted					-				rrent and	active with t	he
		f State (SOS)	-	-			•						
6. Customer	Legal Nar	me (If an individual	l, print last nam	e first: e	g: Doe, John))	<u>lf r</u>	new Cus	stomer, e	nter previ	ous Custom	er below:	
7. TX SOS/C	PA Filing	Number	8. TX State	Tax ID (11 digits)			9.	9. Federal Tax ID (9 digits) 10. DL			10. DUN	S Number (if appli	icable)
					I								
11. Type of C	Customer:	Corporati	on		🗌 Indivi	dual		Par	tnership	: 🗌 Gener	al 🗌 Limited		
Government:	City 🗌 🤇	County 🔲 Federal 🗌] State 🗌 Othe	r	Sole Sole	Proprie	etorship 🗌 Other:						
12. Number				_		13. Independently Owned and Operated?							
0-20	21-100	101-250	251-500		501 and hig	her		Yes		∐ No			
14. Custome	r Role (Pro	oposed or Actual) -	- as it relates to	o the Reg	ulated Entity	listed o	n this fori	n. Pleas	se check o	one of the	following		
Owner		Operat			Owner	•							
Occupatio	nal Licens	ee 🔄 Respo	onsible Party		U Volunta	iry Clea	anup App	olicant)ther:			
·													
15. Mailing Address:													
	City			St	tate		ZIP				ZIP + 4		
16. Country	Mailing In	formation (if outsi	de USA)		•	17.	E-Mail A	ddress	6 (if applica	able)			
18. Telephor	ne Numbe	r		19. Ex	tension or	Code			20. Fax	(Numbe	r (if applical	ble)	
()	() -												

SECTION III: Regulated Entity Information

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

 New Regulated Entity
 Update to Regulated Entity Name

 Update to Regulated Entity
 Update to Regulated Entity 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 RAHE BULVERDE ELEMENTARY SCHOOL

	1715 E	ast Ammanı	n Road								£
23. Street Address of the Regulated Entity:											
(No PO Boxes)	City	Bulverde	State	T	X	ZIP	78	163	ZIP	+ 4	
24. County	Comal										
	E	Enter Physical I	Location Descript	ion if	no stree	et addro	ess is pr	ovided.			
25. Description to Physical Location:	Approx	pproximately 920 L.F. west of the intersection of Bulverde Road and Ammann Road									
26. Nearest City							State	1		Near	est ZIP Code
Bulverde							TX			781	63
27. Latitude (N) In Decin	nal:	29.761386	5		28. Loi	ngitude	(W) In E	ecimal:	98.46	52500)
Degrees	Minutes		Seconds		Degrees			Minutes			Seconds
29		45	40.99			98			27 45.0		45.00
29. Primary SIC Code (4	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) 32. Secondary NAICS Code (5 or 6 digits)							CS Code			
8211					1110						
33. What is the Primary	Business o	of this entity?	(Do not repeat the SIC	or NA	ICS descrip	otion.)					
Elementary School											
				14	04 N INT	ERSTA	TE 35				
34. Mailing											
Address:	City	New Braunfe	els State		тх	ZIP		78130	ZIP	+4	2817
35. E-Mail Address:				jet	ffery.smi	ith@co	malisd.o	rg			
36. Telepho	ne Number	r	37. Extensio	1111				38. Fax Nu	mber (if	applic	able)
(830) 8	85-9500							() -		
9. TCEQ Programs and ID orm. See the Core Data Form in	Numbers (Check all Program	ns and write in the per nce.	mits/r	egistratio	n numbe	rs that wil	be affected	by the up	dates s	ubmitted on this
Dam Safety	District	S	Edwards Aqui	fer	[Emis	sions Inve	entory Air	Ind Ind	ustrial I	Hazardous Waste
Municipal Solid Waste	New So	ource Review Air	OSSF		[_ Petro	leum Stor	age Tank	D PW	'S	
Sludge	Storm V	Water	Title V Air]	Tires			Use	ed Oil	

SECTION IV: Preparer Information

U Waste Water

40. Name:	e: Sean Smith, P.E.			41. Title:	Vice President
42. Telephone Number 43. Ext./Code		44. Fax Number	45. E-Mail	Address	
(210) 698-5051		(210)698-5085	ssmith@	mtrengineers.com	

Wastewater Agriculture

U Water Rights

Other:

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:	Vice President				
Name (In Print):	Sean Smith, P.E			Phone:	(210) 698	3- 5051
Signature:	In hat			Date:	6	161	23
						1	

Voluntary Cleanup



000 11/25/2008 11:10:36 AM ED WTR RGT 1/6

Deed Recordation Affidavit

Contributing Zone Plan

THE STATE OF TEXAS §

County of <u>Comal</u> §

BEFORE ME, the undersigned authority, on this day personally appeared <u>Dr. Marc Walker, Superintendent</u> who, being duly sworn by me, deposes and says:

- (1) That my name is <u>Dr. Marc Walker</u> and that <u>Comal Independent School District</u> owns the real property described below.
- (2) That said real property is subject to an CONTRIBUTING ZONE PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the CONTRIBUTING ZONE PLAN for said real property was approved by the TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) on <u>October 13, 2008</u>.

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 <u>Comal</u> County, Texas, and the legal description of the property is as follows: <u>See attached Exhibit B.</u>

NDOWNER-AFFIANT

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

NOTARY PUBLIC

THE STATE OF <u>Texas</u> §

County of <u>Comal</u> §

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

GIVEN under my hand and seal of office on this 25 day of Nov . , 2008.

Jean M. Mendez Typed or Printed Name of Notary

MY COMMISSION EXPIRES:



60

EXHIBIT "

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 13, 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 Bulverde Elementary School; Located on the north side of E. Ammann Road, approximately 920 L.F. west of the intersection of Bulverde Road and E. Ammann Road, in southwest Comal County; Bulverde, 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. 2825.00; Investigation No. 699701; Regulated Entity No. RN105601827

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 August 5, 2008. Final review of the CZP was completed after additional material was received on September 22, 2008. 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'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 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 project will have an area of approximately 15.29 acres. It will include renovations to the existing Bulverde Elementary School with the addition of two new interconnected buildings. The impervious cover will be 5.67 acres (37.08 percent). According to a letter dated, September 7, 1995, signed by Juan Martinez, with Comal County, 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, engineered filter strips designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules</u>: <u>Technical Guidance on Best</u>

Reply To: Region 13 • 14250 Judson Rd. • San Antonio, Texas 78233-4480 • 210-490-3096 • Fax 210-545-4329

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • Internet address: www.tceq.state.tx.us PB2S/Misc/paced on recycled more using soy-based ink

Mr. Thomas Bloxham October 13, 2008 Page 2

<u>Management Practices</u> (2005) will be constructed to treat stormwater runoff. The increase of impervious cover from existing (3.92 acres) to proposed conditions (5.67 acres) is 1.75 acres. The required total suspended solids (TSS) treatment for this project is 1571 pounds of TSS generated from the 1.75 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The engineered vegetated filter strips will extend along the entire length of the contributing area; The slope will not exceed 20%;

The minimum dimension of the filter strips (in the direction of flow will not be less than 15 feet;

The maximum width (in the direction of flow) of the contributing impervious area will not exceed 72 feet; The minimum vegetated cover will be 80%;

The contributing area to the filter strip will be relatively flat so that runoff will be distributed evenly to the vegetated area without the use of a level spreader;

The vegetated filter strip will be free of gullies or rills that can concentrate overland flow.

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. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- 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.

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.

Mr. Thomas Bloxham October 13, 2008 Page 3

- 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

Mr. Thomas Bloxham October 13, 2008 Page 4

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% 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 Stacy Tanner of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210/403-4078.

Sincerely. um B. Halu

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

MRV/SMT/eg

- Enclosure: Deed Recordation Affidavit, Form TCEQ-0625A Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263
- cc: Mr. Duane A. Moy, Moy Civil Engineers Mr. 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

Legal Description for a 15.294 Acre Tract of Land

Being a 15.294 acre tract of land out of the Guadalupe Herrera Survey No. 192, Abstract No. 206, Comal County, Texas, said 15.294 acre tract being all of that certain 15.467 acre tract conveyed to Comal County Rural High School District No. 705 by deed recorded in Volume 137, Pages 148-150, Deed Records, Comal County, Texas, save and except a 0.1764 acre tract conveyed to the County of Comal by deed recorded in Volume 793, Pages 121-124, Official Records, Comal County, Texas, said 15.294 acre tract being more particularly described by metes and bounds as follows:

Beginning at a $\frac{1}{2}$ " iron rod found in the north right-of-way line of Ammann Road for the southeast corner of the herein described tract, the southeast corner of the above referenced 15.467 acre tract, the southwest corner of a 1.116 acre tract recorded in Volume 127, Pages 625-626, Deed Records, Comal County, Texas;

Thence, with the north right-of-way line of Ammann Road, the south line of said 15.467 acre tract, South 89°53'33" West, a distance of 175.03 feet to a found cotton spindle for angle;

Thence, with the northwest right-of-way line of Ammann Road, a southeast line of said 15.467 acre tract, South 77°49'33" West, a distance of 92.70 feet to a found cotton spindle for angle at the east corner of the above referenced 0.1764 acre tract;

Thence, continuing with the northwest right-of-way line of Ammann Road, the northwest line of said 0.1764 acre tract, South $85^{\circ}36'00$ " West, a distance of 423.15 feet to a $\frac{1}{2}$ " iron rod found with an orange "Moy Survey" plastic cap for the southwest corner of the herein described tract, the northwest corner of said 0.1764 acre tract and being in the west line of said 15.467 acre tract, the east line of a 60.573 acre tract recorded in Document No. 200706000458, Official Records, Comal County, Texas;

Thence, departing the northwest right-of-way line of Ammann Road, with the west line of said 15.467 acre tract, the east line of said 60.573 acre tract, North 02°33'00" East, a distance of 1080.62 feet to a 5/8" iron rod found for the northwest corner of the herein described tract, the northwest corner of said 15.467 acre tract, the southwest corner of Lot 12, Indian Creek Ridge Subdivision recorded in Volume 2, Page 26, Plat Records, Comal County, Texas;

Thence, departing the east line of said 60.573 acre tract, with the northeast line of said 15.467 acre tract, the southwest line of Lots 12, 13 and 14, Indian Creek Ridge Subdivision, South 71°36'39" East, a distance of 771.40 feet to a found nail set in a cedar post for the northeast corner of the herein described tract, the northeast corner of said 15.467 acre tract, the northwest corner of the aforementioned 1.116 acre tract;

Thence, departing the southwest line of Lot 14, Indian Creek Ridge Subdivision, with the east line of said 15.467 acre tract, the west line of said 1.116 acre tract, South 06°43'56" West, a distance of 789.30 feet to the Place of Beginning and containing 15.294 acres of land.

Filed and Recorded Official Public Records Joy Streater, County Clerk Comal County, Texas 11/25/2008 11:10:36 AM CASHONE 200806043000



Jay Streater



Comal County OFFICE OF COMAL COUNTY ENGINEER

August 12, 2008

Ms. Lynn Bumguardner Water Section Work Leader San Antonio Regional Office 14250 Judson Road San Antonio, TX 78233-4480

Re: CISD Bulverde Elementary School Contributing Zone Plan (CZP) within Comal County, Texas (EAPP ID: 2825.00)

Dear Ms. Bumguardner:

In response to your letter dated August 6, 2008 regarding the referenced CZP, Comal County has the following comments:

• The applicant did not obtain a suitability letter from our office as required by Attachment F of the Contributing Zone Plan Application

However, in reviewing the application provided by your office to us, we have found 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 (OSSFs). The applicant will be required to apply for and obtain an OSSF permit prior to the installation of an OSSF on the referenced property.

If you have any questions or need additional information, please do not hesitate to contact our office.

Sincepely,

Robert Boyd, P.E. Comal County Assistant Engineer

Buddy Garcia, Chairman Larry R. Soward, Commissioner Bryan W. Shaw, Ph.D., Commissioner Mark R. Vickery, P.G., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 6, 2008

RECEIVED

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: CISD Bulverde Elementary School, located on the north side of East Ammann Road, approximately 920 f west of the intersection of Bulverde Road and E Ammann Road, Bulverde, Comal County, Texas PLAN TYPE: Application for Approval of a Contributing Zone Water Pollution Abatement Plan (CZP) request, 30 Texas Administration Code (TAC) Chapter 213; Edwards Aquifer Protection Program EAPP ID.: 2825.00

Dear Mr. Hornseth:

The enclosed Contributing Zone Water Pollution Abatement Plan, received on August 5, 2008 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 4, 2008.

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

REPLY TO: REGION 13 • 14250 JUDSON RD. • SAN ANTONIO, TEXAS 78233-4480 • 210-490-3096 • FAX 210-545-4329

AUG 1 1 2008

RECEIVED AUG 1 1 2008 COUNTY ENGINEER

CONTRIBUTING ZONE PLAN APPLICATION for BULVERDE ELEMENTARY SCHOOL Bulverde, TX

Prepared for Comal Independent School District

August 2008





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CONTRIBUTING ZONE PLAN APPLICATION

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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

Cour	nty: <u>Comal</u>	Stream Basin: Indian Creek
1.	Regulat	ed activities on this site will disturb at least 5 acres. ed activities on this site will disturb less than 5 acres and are part of a large n plan of development or sale with the potential to disturb cumulatively five cres.
2.	Customer (Applicant):	
	Contact Person: Title: Entity: Mailing Address: City, State: Zip:	Thomas Bloxham Asst. Superintendent of Support Services Comal Independent School District 1404 IH-35 North New Braunfels, Texas 78130
	Telephone:	
	Agent/Representative (If any):
	Contact Person: Title: Entity: Mailing Address: City, State: Zip: Telephone:	Duane A. Moy, P.E. President Moy Civil Engineers 12770 Cimarron Path, Suite 100 San Antonio, Texas 78249 210-698-5051 FAX: 210-698-5085
3.	X This pro	ject is inside the city limits of ject is outside the city limits but inside the ETJ (extra-territorial jurisdiction) <u>Bulverde, Texas</u> ject is not located within any city's limits or ETJ.
4.	hat the TCEQ's Region investigation. <u>Situated on north side c</u>	ect site is described below. Sufficient detail and clarity has been provided s al staff can easily locate the project and site boundaries for a field of E.Ammann Rd., approximately 920 L.F. west of the intersection of Bulver d, in southwest Comal County.
5.		A - Road Map . A road map showing directions to and the location of the und as at the end of this form.
6.	(Scale: 1" = 200	B - USGS Quadrangle Map. A copy of the a USGS Quadrangle Map 0') is found at the end of this form. The map(s) clearly shows: ite boundaries. uadrangle Name(s).
7.		C - Project Narrative . A detailed narrative description of the proposed 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):
 15.29
 Acres

 Total disturbed area:
 15.29
 Acres
- 11. Projected population:

- ____850
- 12. The amount and type of impervious cover expected after construction is complete is shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	74,377	÷ 43,560 =	1.71
Parking/Driveway	131,530	÷ 43,560 =	3.02
Misc. (sidewalks, courts, play areas, A/C pads, etc.)	41,208	÷ 43,560 =	0.95
Total Impervious Cover	247,115	÷ 43,560 =	5.67
	37.08%		

*Existing Impervious Cover = 3.92 Acres = 25.64%

- 13. <u>X</u> 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.

City thoroughfare or roads to be dec	licated to a municipality.	
5. 1	ed:	,
Asphaltic concrete pavement Other:		
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.	
Length of pavement area:	feet.	
	feet.	
L x W = Ft ² ÷ 43,560 Ft ² /Acre =	acres.	
Pavement area acres ÷ R.O.W. area	acres x 100 =	_% impervious cover.
	TXDOT road project. County road or roads built to county City thoroughfare or roads to be dec Street or road providing access to per Type of pavement or road surface to be use Concrete Asphaltic concrete pavement Other: Length of Right of Way (R.O.W.): Width of R.O.W.: L x W = Ft ² ÷ 43,560 Ft ² /Acre = Length of pavement area: Width of pavement area: L x W = Ft ² ÷ 43,560 Ft ² /Acre =	TXDOT road project County road or roads built to county specifications County road or roads to be dedicated to a municipality Street or road providing access to private driveways.Type of pavement or road surface to be used: Concrete Asphaltic concrete pavement Other:Length of Right of Way (R.O.W.):Width of R.O.W.:L x W = Ft² ÷ 43,560 Ft²/Acre =Length of pavement area:Width of pavement area: feet.L x W = Ft² ÷ 43,560 Ft²/Acre = feet.Width of pavement area: feet feet feet feet feet feet feet feet acres.

- 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. 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.

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.)	$L \times W \times H = (Ft)$	Gallons		
Total						

- 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
- 27.2 _____ 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: $1'' = _50'$.
- 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.
 - <u>X</u> 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 4854630030D, Dated July 17, 1995 and FEMA Map Number 4854630035C, 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. X Areas of soil disturbance and areas which will not be disturbed. 35. 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. Temporary aboveground storage tank facilities. 40. X Temporary aboveground storage tank facilities will not be located on this site. Permanent aboveground storage tank facilities. 41. 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. <u>X</u> 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.
 - <u>X</u> 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.

- X 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.
- 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. <u>X</u> 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, WITH REQUESTED EXCEPTIONS.
 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 one (1) copy 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.

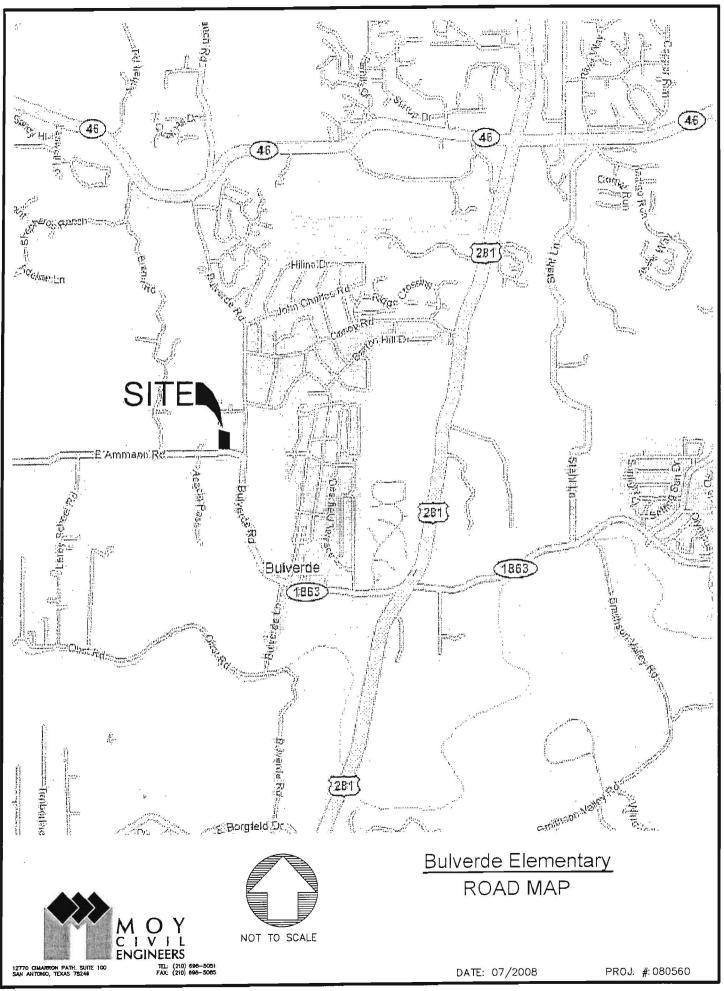
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aguifer. This CONTRIBUTING ZONE PLAN APPLICATION is hereby submitted for TCEQ review and Executive Director approval. The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

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

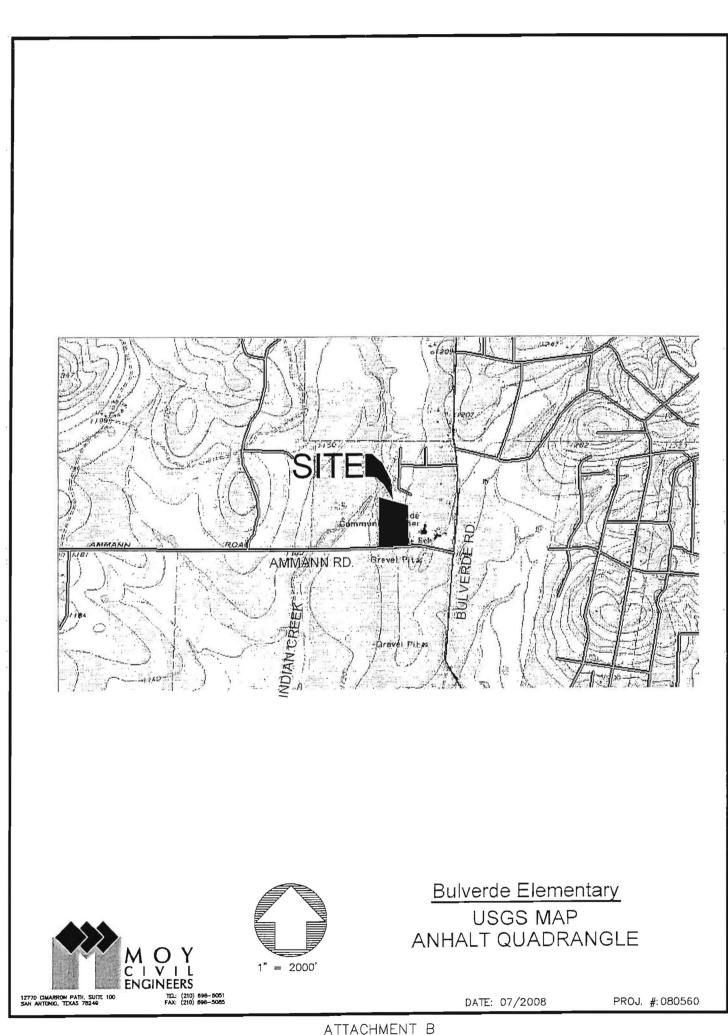
Signature of Custor

8/4/08

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 A



ATTACHMENT C Project Description

The proposed project is a 15.29-acre site that is located approximately 920 feet west of the Bulverde Road and Ammann Road intersection, located in southwest Comal County. The entire project site is located within the Contributing Zone to the Edwards Aquifer. The intended development will be renovations to the existing Bulverde Elementary School. The site as it exists today is 15.29 acres with approximately 3.92 acres or 26% of existing impervious cover including parking lots, driveways, buildings, concrete walkways, and playground areas. Please see the existing site plan exhibit provided with the construction plans for further clarification of existing The proposed site plan includes new building construction along with new conditions. driveways, parking lots, concrete walkways, and play areas. Two of the original buildings will remain along with a parking lot on the eastern portion of the site. The impervious cover for the proposed site plan was calculated to be approximately 5.67 acres or 37%. The increase of impervious cover from existing to proposed conditions is 1.75 acres. The proposed permanent BMP's consisting of engineered vegetated filter strips will be treating the 1.75 acre increase of impervious cover before allowing it to flow offsite. Any upgradient stormwater will be intercepted and conveyed into existing and proposed drainage structures and released downstream of the project. Treated stormwater will ultimately flow into Indian Creek, as it currently flows under existing conditions.

ATTACHMENT D Factors Affecting Water Quality

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

ATTACHMENT E Volume and Character of Stormwater

Character of Stormwater

Stormwater runoff will be generated from rooftops, parking lots, sidewalks, landscape areas, and field/pervious areas from the site. The runoff may contain small amounts of oil, grease, suspended solids, fertilizers and pesticides. Both temporary and permanent BMP's have been designed on the basis of the Technical Guidance Manual to treat the required volume and character of stormwater runoff to remove at least 80% of the increased TSS due to the proposed development.

Volume of Stormwater

Bulverde Elementary is divided into two small drainage areas, both flowing to Indian Creek to the West. The north drainage area "A", includes 8.47 acres and the south drainage area "B" includes 6.82 acres. Please see the drainage area map attached.

Area "A" (North)

PRE-DEVELOPMENT

Area: 8.47 Acres Impervious Area: 1.11 Acres; Runoff Coefficient 0.95 Pervious Area 7.36 Acres; Runoff Coefficient 0.62 Weighted Runoff Coefficient: $C = [.62 \times 7.36 + 0.95 \times 1.11] / 8.47 = 0.66$ Pre-Development $Q_{25} = CIA$, C = 0.66; I = 9.27 in/Hr; A = 8.47 acres Pre-Development $Q_{25} = 51.8$ cfs

POST-DEVELOPMENT

Area: 8.47 Acres Impervious Area: 3.10 Acres; Runoff Coefficient 0.95 Pervious Area 5.37 Acres; Runoff Coefficient 0.62 Weighted Runoff Coefficient: $C = [.62 \times 5.37 + 0.95 \times 3.10] / 8.47 = 0.74$ Pre-Development $Q_{25} = CIA$, C = 0.74; I = 9.27 in/Hr; A = 8.47 acres Pre-Development $Q_{25} = 58.1$ cfs

The runoff increase is negligible. The stormwater runoff will continue in the same patterns as it does currently.

Area "B" (South)

PRE-DEVELOPMENT

Area: 6.82 Acres Impervious Area: 2.81 Acres; Runoff Coefficient 0.95 Pervious Area 4.01 Acres; Runoff Coefficient 0.62 Weighted Runoff Coefficient: C= $[.62 \times 4.01 + 0.95 \times 2.81]/6.82 = 0.76$ Pre-Development Q₂₅ = CIA, C = 0.76; I = 9.27 in/Hr; A = 6.82 acres Pre-Development Q₂₅ = 48.10 cfs

:

POST-DEVELOPMENT

Area: 6.82 Acres Impervious Area: 2.57 Acres; Runoff Coefficient 0.95 Pervious Area 4.25 Acres; Runoff Coefficient 0.62 Weighted Runoff Coefficient: C= $[.62 \times 4.25 + 0.95 \times 2.57]/6.82 = 0.74$ Pre-Development Q₂₅ = CIA, C = 0.74; I = 9.27 in/Hr; A = 6.82 acres Pre-Development Q₂₅ = 46.8 cfs

The runoff decreases slightly for this drainage area from pre to post-project conditions. The stormwater runoff will continue in the same patterns as it does currently.

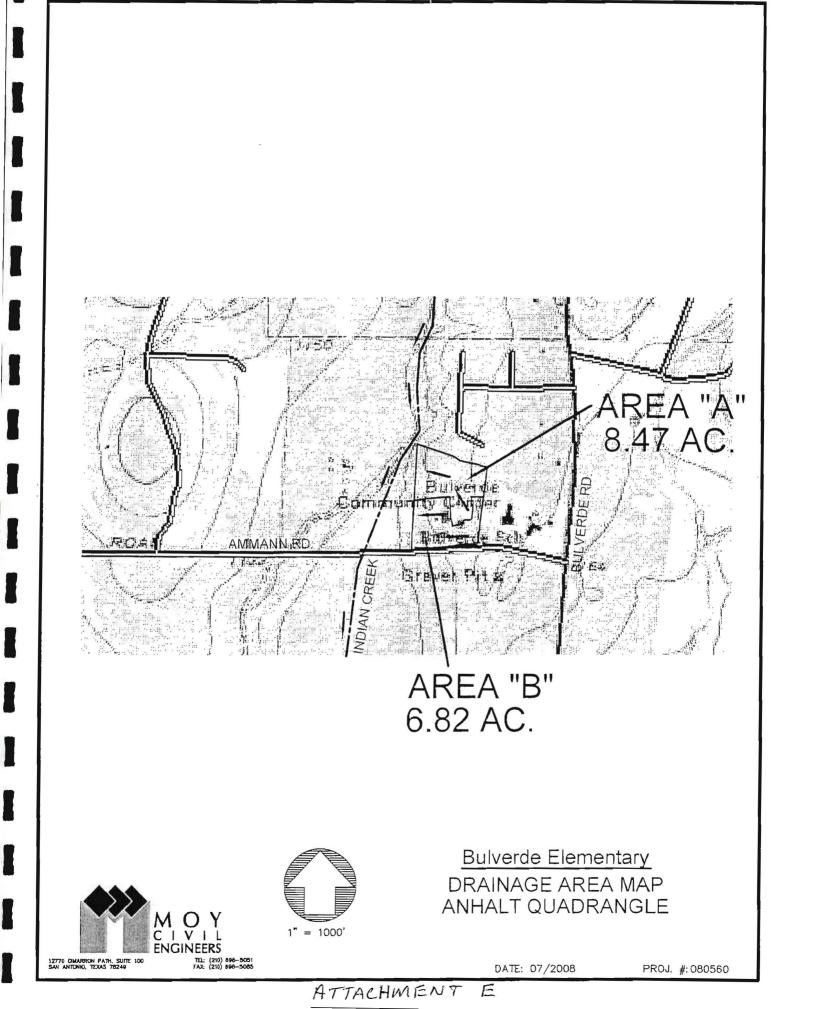
Time of Concentration

Time of concentration = 10 minutes (minimum per TxDOT)

Rainfall Intensity

Intensity $I = \frac{b}{(t_c + d)^e}$ Where e = 0.766 (25 year storm) b = 87 Comal County d = 8.6

I = 9.27 in/hr



DATE 9/07/95

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LICENSE # 75767

COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH

LICENSE TO OPERATE A PRIVATE SEWAGE FACILITY

OWNER	COMAL INE	DEPENDENT SCHOO	L DISTRICT	PROPERTY L	OCATION	BULVERI	E ELEMENTA	RY SCHOOL
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	493	1 HWY 46 W., STE 10	00, NEW BRAUN	FELS, TEXAS 7	78132-3760,	(210) 608-20	094	,
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ATTACHMENT J BMPs for Upgradient Stormwater

The stormwater that originates upgradient from the site will flow onto the site from the east. The upgradient runoff will be intercepted by an earthen swale and a parking lot. Drain structures will be utilized to convey the upgradient runoff into downstream lows. The adjacent tract to the east contains impervious cover, however, a vegetated buffer of approximately 80 feet currently separates the proposed site from the adjacent impervious cover. This being said, the nature of the upgradient water flowing through the proposed site is expected to be free from any significant TSS by the time it reaches the improvements on the proposed site.

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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

No surface streams exist on the property. Therefore, it is not necessary to implement any additional permanent BMPs or measures other than the proposed vegetative filter strips.

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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 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 flatbottomed 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 <u>Owner</u>

Signature of Applicant/Owner/Agent

7-22-08

Date

ATTACHMENT P Measures for Minimizing Surface Stream Contamination

The increase in peak discharge rates will be discharged into lows that currently exist and any increase in velocity from points of concentrated discharge will be mitigated by appropriate energy dissipater measures. Both permanent and temporary BMP's, as shown on the contributing zone plan, shall be used to minimize contamination to offsite surface streams, both during and after construction. There will be no adverse impacts to downstream surface streams.

STORM WATER POLLUTION PREVENTION PLAN T.P.D.E.S. GENERAL PERMIT-TXR 150000 Bulverde Elementary School

Bulverde, TX

July, 2008



12770 Cimarron Path, Ste. 100, San Antonio, TX. 78249 Phone: (210) 698-5051 Fax: (210) 698-5085

Index

• SWPPP

- o Narrative
- Description and Timing of Erosion and Sediment Controls
- o Sequence of Major Soil Disturbing Activities
- o Erosion and Sedimentation Maintenance Practices
- o Erosion and Sedimentation Miscellaneous Pollution Controls
- Non-Construction Stormwater Discharge
- Allowable Non-storm Water Discharge
- o Endangered Species
- o Summary of Permit Requirements
- o Location Map
- o USGS Map
- o Soils Survey Map
- Maintenance Logs
- o Stormwater Pollution Prevention Plan Drawing
- TPDES General Permit
- Notice of Intent

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- I. General
 - A. TPDES Permit #:
 - B. OWNER/ AGENT Information:

NAME: <u>COMAL INDEPENDENT SCHOOL DISTRICT</u> CONTACT PERSON: <u>THOMAS BLOXHAM</u> ADDRESS: <u>1404 I-35 N</u> 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 Bulverde Elementary School, which is part of the Comal Independent School District. The school is located at 1715 East Ammann Road, Bulverde, TX 78163. LATITUDE/ LONGITUDE: 29° 45' 36" N / 98° 27' 46" 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 15.29 acres. The disturbed area is approximately 15.29 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: RcD – Real-Comfort-Doss Complex, 1 to 8 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 Indian 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.

Indian Creek.

j. A copy of the TPDES general permit

See Attached.

k. Runoff Coefficient Data:

Pre-construction runoff coefficient: 0.70 Post-construction runoff coefficient: 0.74

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 sill 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 7 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 Limitati	ons
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. 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

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. <u>TXR150000).</u>
 - 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.

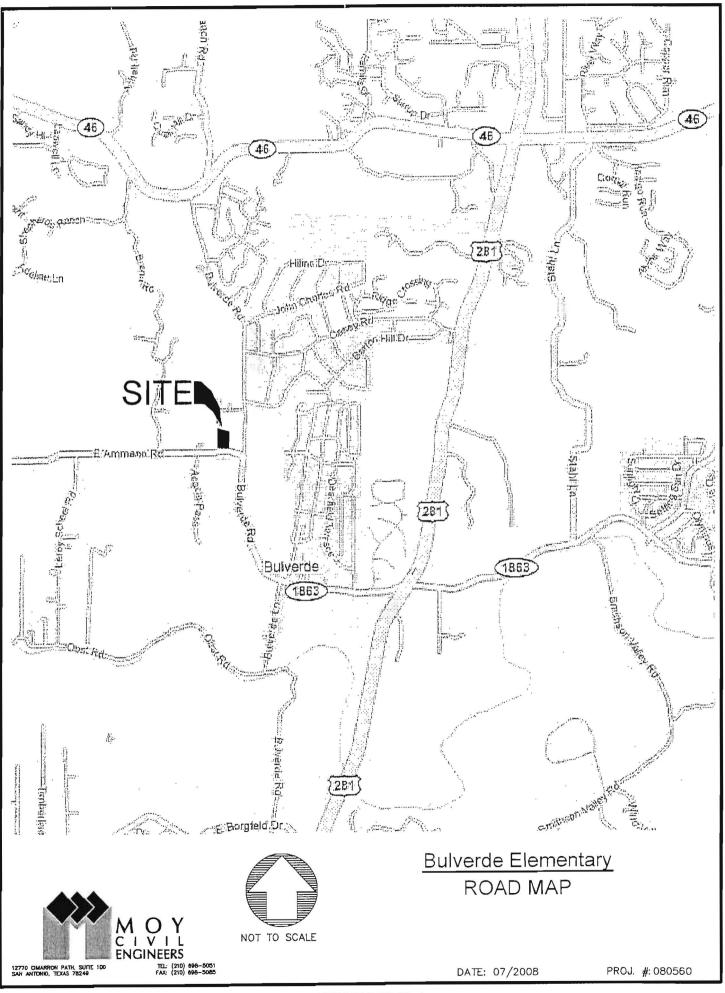
- E. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED AS DESCRIBED HEREIN. THIS PLAN AND INSPECTION REPORTS MUST BE RETAINED FOR A TIME PERIOD OF AT LEAST THREE YEARS FOLLOWING FINAL STABILIZATION OF THE SITE.
- F. THE CONTRACTOR'S PERMIT MUST IDENTIFY EACH CONTRACTOR AND SUBCONTRACTOR ENGAGED IN MAJOR 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

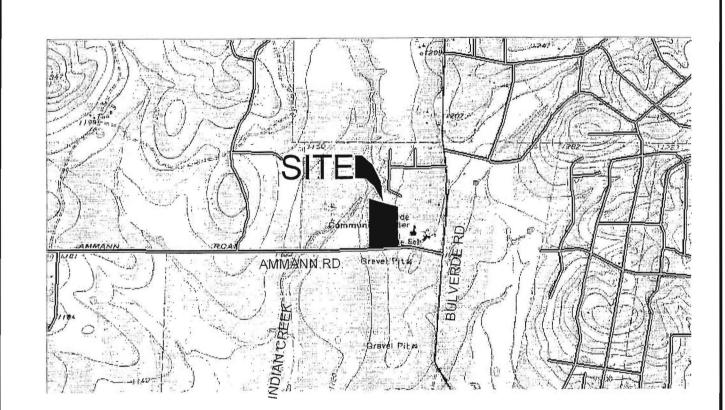
THE SITE IS CONSIDERED STABILIZED AFTER ALL IMPERVIOUS COVER IS COMPLETED AND ALL VEGETATED AREAS ARE EITHER MULCHED AND/OR HAVE A UNIFORM VEGETATIVE COVER WITH A DENSITY OF AT LEAST 70%.

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



ATTACHMENT A







Bulverde Elementary USGS MAP ANHALT QUADRANGLE

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DATE: 07/2008

PROJ. #:080560

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<u>Note</u>: Contractor shall retain the inspection report on site for review by regulating agencies.

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Inspector's Name

Inspector's Signature

Inspection Date

Note: Contractor shall retain the inspection report on site for review by regulating agencies.

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Inspector's Name

Inspector's Signature

Note: Contractor shall retain the inspection report on site for review by regulating agencies.

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Inspector's Name

Inspector's Signature

<u>Note</u>: Contractor shall retain the inspection report on site for review by regulating agencies.

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Inspector's Name

Inspector's Signature

Inspection 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. | 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

BULVERDE 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



TCEQ Docket No. <u>2007-1588-WQ</u> TPDES General Permit No. TXR150000

TEXAS COMMISSION ON ENVIRONMENTAL

QUALITY P.O. BOX 13087 Austin, TX 78711-3087 This is a renewal of TPDES General Permit No. TXR150000, issued March 5, 2003.

GENERAL PERMIT TO DISCHARGE WASTES

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

Construction sites that discharge storm water associated with construction activity

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 on March 5, 2013....

EFFECTIVE DATE: March 5, 2008

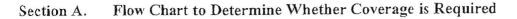
ISSUED DATE: FEB 1 5 2008

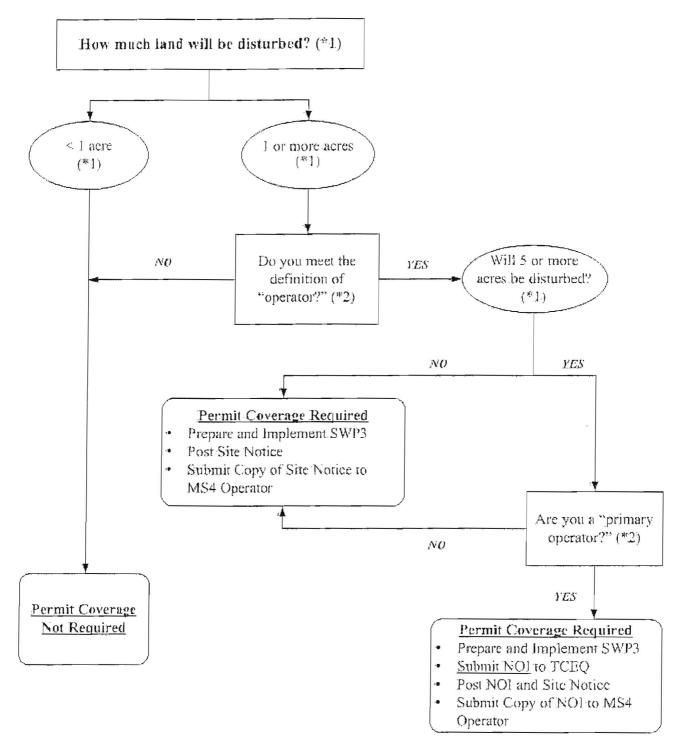
TPDES GENERAL PERMIT NUMBER TXR150000 RELATING TO STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

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Part I. Flow Chart and Definitions





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

Section B. Definitions

Arid Areas - Areas with an average annual rainfall of 0 to 10 inches.

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

Commencement of Construction - The initial disturbance of soils associated with clearing, grading, or excavation activities, as well as other construction-related activities (e.g., stockpiling of fill material, demolition)

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

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

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

Edwards Aquifer Recharge Zone - Generally, that area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located in the offices of the Texas Commission on Environmental Quality and the

Construction General Permit

appropriate regional office. The Edwards Aquifer Map Viewer, located at <u>http://www.tceq.state.tx.us/compliance/field_ops/eapp/mapdisclaimer.html</u>, can be used to determine where the recharge zone is located.

Edwards Aquifer Contributing Zone - The area or watershed where runoff from precipitation flows downgradient to the recharge zone of the Edwards Aquifer. The contributing zone is located upstream (upgradient) and generally north and northwest of the recharge zone for the following counties: all areas within Kinney County, except the area within the watershed draining to Segment 2304 of the Rio Grande Basin; all areas within Uvalde, Medina, Bexar, and Comal Counties; all areas within Hays and Travis Counties, except the area within the watersheds draining to the Colorado River above a point 1.3 miles upstream from Tom Miller Dam, Lake Austin at the confluence of Barrow Brook Cove, Segment 1403 of the Colorado River Basin; and all areas within Williamson County, except the area within the watersheds draining to the Lampasas River above the dam at Stillhouse Hollow reservoir, Segment 1216 of the Brazos River Basin. The contributing zone is illustrated on the Edwards Aquifer map viewer at http://www.tceq.state.tx.us/compliance/field_ops/eapp/mapdisclaimer.html.

Facility or Activity – For the purpose of this permit, a construction site or construction support activity that is regulated under this general permit, including all contiguous land and fixtures (e.g., ponds and materials stockpiles), structures, or appurtances used at a construction site or industrial site described by this general permit.

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

- (a) All soil disturbing activities at the site have been completed and a uniform (i.e., evenly distributed, without large bare areas) perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.
- (b) For individual lots in a residential construction site by either:
 - (1) the homebuilder completing final stabilization as specified in condition (a) above; or
 - (2) the homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization. If temporary stabilization is not feasible, then the homebuilder may fulfill this requirement by retaining perimeter controls or other best management practices, and informing the homeowner of the need for removal of temporary controls and the establishment 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 surface water and areas that are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.

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- (d) In arid, semi-arid, and drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:
 - Temporary erosion control measures (e.g., degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator, and
 - (2) The temporary erosion control measures are selected, designed, and installed to achieve 70 percent vegetative coverage within three years.

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

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

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

Large Construction Activity – Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., 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 the United States, a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, 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 surface water in the state.

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

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

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

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

Primary Operator – the person or persons associated with 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, including the ability to make modifications to those plans and specifications; or
- (b) the person or persons have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a storm water pollution prevention plan (SWP3) 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 SWP3 or comply with other permit conditions).

Secondary Operator – The person whose operational control is limited to the employment of other operators or to the ability to approve or disapprove changes to plans and specifications. A secondary operator is also defined as a primary operator and must comply with the permit requirements for primary operators if there are no other operators at the construction site.

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

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

Point Source – (from 40 CFR §122.2) 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 - Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any surface water in the state. The term "pollutant" does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland. For the purpose of this permit, the term "pollutant" includes sediment.

Pollution - (from Texas Water Code §26.001(14)) 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.

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

Semiarid Areas - areas with an average annual rainfall of 10 to 20 inches

Separate Storm Sewer System - A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains), designed or used for collecting or conveying 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, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.)

Storm Water (or Storm Water Runoff) - Rainfall 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 or other structural control to prevent the migration of pollutants. Temporary stabilization may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either permanent stabilization can be achieved or until further construction activities take place.

Waters of the United States - (from 40 CFR, Part122, Section 2) 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

Examples of construction support activities include, but are not limited to, concrete batch plants, rock crushers, asphalt batch plants, equipment staging areas, material storage yards, material borrow areas, and excavated material disposal areas. Discharges of storm water runoff from construction support activities may be authorized under this general permit, provided that the following conditions are met:

- (a) the activities are located within one (1)-mile from the boundary of the permitted construction site and directly support the construction activity;
- (b) a 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 construction support activities; and
- (c) the construction support activities either do not operate beyond the completion date of the construction activity or are authorized under separate TPDES authorization. Separate TPDES authorization may include the TPDES Multi Sector General Permit, TXR050000 (related to storm water discharges associated with industrial activity), separate authorization under this general permit if applicable, coverage under an alternative general permit if available, or authorization under an individual water quality permit.
- 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 (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);
- (b) uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life), which include flushings from systems that utilize potable water, surface water, or groundwater that does not contain additional pollutants (uncontaminated fire hydrant flushings do not include systems utilizing reclaimed wastewater as a source water);
- (c) water from the routine external washing of vehicles, the external portion of buildings or structures, and pavement, where 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, or dust;
- (d) uncontaminated water used to control dust;

- (e) potable water sources including waterline flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
- (f) uncontaminated air conditioning condensate;
- (g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents; and
- (h) lawn watering and similar irrigation drainage.
- 4. Other Permitted Discharges

Any discharge authorized under a separate NPDES, TPDES, or TCEQ permit may be combined with discharges authorized by this general permit, provided those discharges comply with the associated permit.

Section B. Concrete Truck Wash Out

The washout of concrete trucks associated with off-site production facilities may be conducted at regulated construction sites in accordance with the requirements of Part V of this general permit.

Section C. Limitations on Permit Coverage

1. Post Construction Discharges.

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

2. Prohibition of Non-Storm Water Discharges

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

3. Compliance With Water Quality Standards

Discharges to surface water in the state that would cause 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 Parts II.H.2. and 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.H.2. of this general permit.

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) are not eligible for this permit unless they are consistent with the approved TMDL. 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). In addition, commencement of construction (i.e., the initial disturbance of soils associated with clearing, grading, or excavating activities, as well as other construction-related activities such as stockpiling of fill material and demolition) at a site regulated under 30 TAC Chapter 213, may not begin until the appropriate Edwards Aquifer Protection Plan has been approved by the TCEQ's Edwards Aquifer Protection Program.

- (a) For new discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, operators must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.
- (b) For existing discharges located within the Edwards Aquifer Recharge Zone, the requirements of the agency-approved Water Pollution Abatement Plan 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 recharge zone or the Edwards Aquifer contributing zone, applicants must submit a copy of the NOI to the appropriate TCEQ regional office. For discharges from small construction activities located on the Edwards Aquifer recharge zone or the Edwards Aquifer contributing zone, and for discharges from large construction activities by operators not required to submit an NOI under this general permit, applicants must submit a copy of the construction site notice to the appropriate TCEQ regional office where required by the Edwards Aquifer Rules at 30 TAC Chapter 213:

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 2800 South IH 35, Suite 100 Austin, Texas 78704-5712 (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 Texas Local Government Code §401.002.

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. Discharges of storm water runoff associated with the construction of facilities that are subject to TPDES regulations, such as the construction of confined animal feeding operations, would be point sources regulated under this general permit.

11. Other

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

Section D. Deadlines for Obtaining Authorization to Discharge

- 1. Large Construction Activities
 - (a) New Construction Discharges from sites where the commencement of construction occurs on or after the effective date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.
 - (b) Ongoing Construction Operators of large construction activities continuing to operate after the effective date of this permit, and authorized under TPDES general permit TXR150000 (issued March 5, 2003), must submit an NOI to renew authorization under this general permit within 90 days of the effective date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the previous TPDES permit.

2. Small Construction Activities

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

Section E. Obtaining Authorization to Discharge

1. Automatic Authorization for Small Construction Activities With Low Potential for Erosion:

If all of the following conditions are met, then a small construction activity is determined to occur during periods of low potential for erosion, and a site operator may be automatically authorized under this general permit without being required to develop a storm water pollution prevention plan or submit a notice of intent (NOI):

- (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, permanent stabilization activities have been initiated, and a condition of final stabilization is completed no later than 30 days following the end date of the time frame identified in Appendix A for the location of the construction site;
- (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 (MS4) receiving the discharge at least two days prior to commencement of construction activities;
- (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); and
- (h) any non-storm water discharges are either authorized under a separate permit or authorization, or are not considered to be a wastewater.

Part II.G. of this general permit describes how an operator may apply for and obtain a waiver from permitting, for certain small construction activities that occur during a period with a low potential for erosion, where automatic authorization under this section is not available.

2. Automatic Authorization For All Other Small Construction Activities:

Operators of small construction activities not described in Part II.E.1. above may be automatically authorized under this general permit, and operators of these sites shall not be required to submit an NOI, provided that they meet all of the following conditions:

- (a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant is the operator, and implement that plan prior to commencing construction activities;
- (b) sign and certify a completed construction site notice (Attachment 2 of this general permit), post the notice at the construction site in a location where it is safely and readily available for viewing by the general public, local, state, and federal authorities, prior to commencing construction, and maintain the notice in that location until completion of the construction activity (for linear construction activities, e.g. pipeline or highway, the site notice must be placed in a publicly accessible location near where construction is actively underway; notice for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public; local, state, and federal authorities); and
- (c) 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.

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

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

3. <u>Authorization for Large Construction Activities</u>:

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

- (a) develop a SWP3 according to the provisions of this general permit that covers either the entire site or all portions of the site for which the applicant is the operator, and implement that plan prior to commencing construction activities;
- (b) primary operators must submit a Notice of Intent (NOI), using a form provided by the executive director, at least seven (7) days prior to commencing construction activities, or if utilizing electronic submittal, prior to commencing construction activities. If an additional primary operator is added after the initial NOI is submitted, the new primary operator must submit an NOI at least seven (7) days before assuming operational control, or if utilizing electronic NOI submittal, prior to assuming operational control. If the primary operator changes after the initial NOI is submitted, the new primary operator must submit a paper NOI or an electronic NOI at least ten (10) days before assuming operational control;
- (c) all primary operators must also post a copy of the signed NOI 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 must maintain the NOI in that location until completion of the construction activity;

- (d) all operators of large construction activities must post a site notice in accordance with Part III.D.2. of this permit. The site notice must be located where it is safely and readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction, and must be maintained in that location until completion of the construction activity (for linear construction activities, e.g. pipeline or highway, the site notice must be placed in a publicly accessible location near where construction is actively underway; notice for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public; local, state, and federal authorities); and
- (e) all primary operators must provide a copy of the signed NOI to the operator of any municipal separate storm sewer system (MS4) receiving the discharge and to any secondary operator, at least seven (7) days prior to commencing construction activities, and must list in the SWP3 the names and addresses of all MS4 operators receiving a copy.
- (f) All persons meeting the definition of "secondary operator" in Part I of this permit are hereby notified that they are regulated under this general permit, but are not required to submit an NOI, provided that another operator(s) at the site has submitted an NOI, or is required to submit an NOI and the secondary operator has provided notification to the operator(s) of the need to obtain coverage (with records of notification available upon request). Any secondary operator notified under this provision may alternatively submit an NOI under this general permit, may seek coverage under an alternative TPDES individual permit, or may seek coverage under an alternative TPDES general permit if available.
- 4. Waivers for Small Construction Activities:

Part II.G. describes how operators of certain small construction activities may obtain a waiver from coverage.

- 5. Effective Date of Coverage
 - (a) Operators of small construction activities as described in either Part II.E.1. or II.E.2. above are authorized immediately following compliance with the applicable conditions of Part II.E.1. or II.E.2. Secondary operators of large construction activities as described in Part II.E.3. above are authorized immediately following compliance with the applicable conditions in Part II.E.3. For activities located in areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer, this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule are met.
 - (b) Primary operators of large construction activities as described in Part II.E.3. above are provisionally authorized seven (7) days from the date that a completed NOI is

postmarked for delivery to the TCEQ, unless otherwise notified by the executive director. If electronic submission of the NOI is provided, and unless otherwise notified by the executive director, primary operators are authorized immediately 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. For activities located in areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer, this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule are met.

(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 was obtained.

6. Notice of Change (NOC)

If relevant information provided in the NOI changes, an NOC must be submitted at least 14 days before the change occurs, if possible. Where 14-day advance notice is not possible, the operator must submit an NOC within 14 days of discovery of the change. If the operator becomes aware that it failed to submit any relevant facts or submitted incorrect information in an NOI, the correct information must be provided to the executive director in an NOC within 14 days after discovery. The NOC shall be submitted on a form provided by the executive director, or by letter if an NOC form is not available. A copy of the NOC must also be provided to the operator of any MS4 receiving the discharge, and a list must be included in the SWP3 that includes the names and addresses of all MS4 operators receiving a copy.

Information that may be included on an NOC includes, but is not limited to, the following: the description of the construction project, an increase in the number of acres disturbed (for increases of one or more acres), or the operator name. A transfer of operational control from one operator to another, including a transfer of the ownership of a company, may not be included in an NOC. A transfer of ownership of a company includes changes to the structure of a company, such as changing from a partnership to a corporation or changing corporation types, so that the filing number (or charter number) that is on record with the Texas Secretary of State must be changed.

An NOC is not required for notifying TCEQ of a decrease in the number of acres disturbed. This information must be included in the storm water pollution prevention plan (SWP3) and retained on site.

7. 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 that require a signature must be signed according to 30 TAC § 305.44 (relating to Signatories for Applications).

8. Contents of the NOI

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

- (a) the TPDES CGP authorization number for existing authorizations under this general permit, where the operator submits an NOI to renew coverage within 90 days of the effective date of this general permit;
- (b) the name, address, and telephone number of the operator filing the NOI for permit coverage;
- (c) the name (or other identifier), address, county, and latitude/longitude of the construction project or site;
- (d) the number of acres that will be disturbed by the applicant;
- (e) confirmation that the project or site will not be located on Indian Country lands;
- (f) confirmation that a SWP3 has been developed, that it will be implemented prior to construction, and that it is compliant with any applicable local sediment and erosion control plans;
- (g) name of the receiving water(s);
- (h) the classified segment number for each classified segment that receives discharges from the regulated construction activity (if the discharge is not directly to a classified segment, then the classified segment number of the first classified segment that those discharges reach); and
- (i) the name of all surface waters receiving discharges from the regulated construction activity that are on the latest EPA-approved CWA § 303(d) list of impaired waters.

Section F. Terminating Coverage

1. Notice of Termination (NOT) Required

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 general 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.

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

- (a) final stabilization has been achieved on all portions of the site that are the responsibility of the permittee;
- (b) a transfer of operational control has occurred (See Section II.F.4. below); or
- (c) the operator has obtained alternative authorization under an individual TPDES permit or alternative TPDES general permit.
- 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 an NOI, the permittee's sitespecific TPDES authorization 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 have been transferred to a new operator if the new operator has applied for permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.
- 3. Termination of Coverage for Small Construction Sites and for Secondary Operators at Large Construction Sites

Each operator that has obtained automatic authorization and has not been required to submit an NOI must remove the site notice upon meeting any of the conditions listed below, complete the applicable portion of the site notice related to removal of the site notice, and submit a copy of the completed site notice to the operator of any MS4 receiving the discharge (or provide alternative notification as allowed by the MS4 operator, with documentation of such notification included in the SWP3), within 30 days of meeting any of the following conditions:

- (a) final stabilization has been achieved on all portions of the site that are the responsibility of the permittee;
- (b) a transfer of operational control has occurred (See Section II.F.4. below); or

(c) the operator has obtained alternative authorization under an individual or general TPDES permit.

Authorization to discharge under this general permit terminates immediately upon removal of the applicable site notice. Compliance with the conditions and requirements of this permit is required until the site notice is removed.

4. Transfer of Operational Control

Coverage under this general permit is not transferable. A transfer of operational control includes changes to the structure of a company, such as changing from a partnership to a corporation, or changing to a different corporation type such that a different filing (or charter) number is established with the Texas Secretary of State.

When the primary operator of a large construction activity changes or operational control is transferred, the original operator must submit a Notice of Termination (NOT) within ten (10) days prior to the date that responsibility for operations terminates, and the new operator must submit an NOI at least ten (10) days prior to the transfer of operational control, in accordance with condition (a) or (b) below. A copy of the NOT must be provided to the operator of any MS4 receiving the discharge in accordance with Section II.F.1. above.

Operators of regulated construction activities who are not required to submit an NOI must remove the original site notice, and the new operator must post the required site notice prior to the transfer of operational control, in accordance with condition (a) or (b) below. A copy of the completed site notice must be provided to the operator of any MS4 receiving the discharge, in accordance with Section II.F.3. above.

A transfer of operational control occurs when either of the following criteria is met:

- (a) Another operator has assumed control over all areas of the site that have not been finally stabilized; and all silt fences and other temporary erosion controls have either been removed, scheduled for removal as defined in the SWP3, or transferred to a new operator, provided that the permitted operator has attempted to notify the new operator in writing of the requirement to obtain permit coverage. Record of this notification (or attempt at notification) shall be retained by the operator in accordance with Part VI of this permit. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.
- (b) A homebuilder has purchased one or more lots from an operator who obtained coverage under this general permit for a common plan of development or sale. The homebuilder is considered a new operator and shall comply with the requirements listed above, including the development of a SWP3 if necessary. Under these circumstances, the homebuilder is only responsible for compliance with the general permit requirements as they apply to lot(s) it has operational control over, and the original operator remains responsible for common controls or discharges, and must amend its SWP3 to remove the lot(s) transferred to the homebuilder.

Section G. Waivers from Coverage

The executive director may waive the otherwise applicable requirements of this general permit for 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 all of the following conditions are met. This waiver from coverage does not apply to non-storm water discharges. The operator must insure that any non-storm water discharges are either authorized under a separate permit or authorization, or are not considered to be a wastewater.

- (a) the calculated rainfall erosivity (R) factor for the entire period of the construction project is less than five (5);
- (b) the operator submits to the TCEQ 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 postmarked for delivery to the TCEQ at least two (2) days before construction activity begins.
- 2. Steps to Obtaining a Waiver

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

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

Alternatively, the operator may calculate a site-specific R factor utilizing the following online calculator: <u>http://ei.tamu.edu/index.html</u>, or using another available resource.

The waiver certification form is not required to be posted at the small construction site.

3. 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.

4. Activities Extending Beyond the Waiver Period

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

- (a) recalculate the rainfall erosivity (R) factor using the original start date and a new projected ending date, and if the R factor is still under five (5), submit a new waiver certification form at least two (2) days before the end of the original waiver period; or
- (b) obtain authorization under this general permit according to the requirements delineated in either Part II.E.2. or Part II.E.3. at least two (2) days before the end of the approved waiver period.

Section H. Alternative TPDES Permit Coverage

1. Individual Permit Alternative

Any discharge eligible for coverage under this general permit may alternatively be authorized under an individual TPDES permit according to 30 TAC Chapter 305 (relating to Consolidated Permits). Applications for individual permit coverage should be submitted at least three hundred and thirty (330) days prior to commencement of construction activities to ensure timely issuance.

2. Individual Permit Required

The executive director may suspend an authorization or deny an NOI in accordance with the procedures set forth in 30 TAC Chapter 205 (relating to General Permits for Waste Discharges), including the requirement that the executive director provide written notice to the permittee. The executive director may require an operator of a construction site, otherwise eligible for authorization under this general permit, to apply for an individual TPDES permit in the following circumstances:

(a) the conditions of an approved total maximum daily load (TMDL) limitation or TMDL implementation plan on the receiving stream;

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

Additionally, the executive director may cancel, revoke, or suspend authorization to discharge under this general permit based on a finding of historical and significant noncompliance with the provisions of this general permit, relating to 30 TAC §60.3 (Use of Compliance History). Denial of authorization to discharge under this general permit or suspension of a permittee's authorization under this general permit shall be done according to commission rules in 30 TAC, Chapter 205 (relating to General Permits for Waste Discharges).

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

Section I. Permit Expiration

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

Part III. Storm Water Pollution Prevention Plans (SWP3)

Storm water pollution prevention plans must be prepared to address discharges authorized under Parts II.E.2. and II.E.3. that will reach Waters of the United States, including discharges to MS4s 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 the implementation of practices that will be used to minimize to the extent practicable the discharge of pollutants in storm water associated with construction activity and non-storm water discharges described in Part II.A.3., in 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 compliance with the terms and conditions of this general permit in the areas of the construction site where that operator has control over construction plans and specifications or day-to-day operations.

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 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 operator participating 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. Secondary Operators and Primary Operators with Control Over Construction Plans and Specifications

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

- (a) ensure the project specifications allow or provide that adequate BMPs are developed to meet the requirements of Part III of this general permit;
- (b) ensure that the SWP3 indicates the areas of the project where they have control over project specifications, including the ability to make modifications in specifications;

- (c) ensure all other operators affected by modifications in project specifications are notified in a timely manner so that those operators may modify their best management practices as 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 site-specific TPDES authorization numbers for permittees with the day-to-day operational control over those activities necessary to ensure compliance with the SWP3 and other permit conditions. If the party with day-to-day operational control has not been authorized or has abandoned the site, the person with control over project specifications is considered to be the responsible party until the authority is transferred to another party and the SWP3 is updated.
- 2. Primary Operators with Day-to-Day Operational Control

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

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

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

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

Section D. Plan Review and Making Plans Available

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.

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- 2. In addition to the requirement to post the NOI, a primary operator of a large construction activity must post the site notice provided in Attachment 4 of this permit near the main entrance of the construction site. An operator of a small construction activity seeking authorization under this general permit and a secondary operator of a large construction activity must post the site notice required in Part II.E.1., 2., or 3. of this permit in order to obtain authorization (see Attachments 1, 2, and 3). If the construction project is a linear construction project (e.g. pipeline or highway), the notices must be placed in a publicly accessible location near where construction is actively underway. Notices for these linear sites may be relocated, as necessary, along the length of the project. The notices must be readily available for viewing by the general public; local, state, and federal authorities; and contain the following information:
 - (a) the site-specific TPDES authorization number for the project if assigned;
 - (b) the operator name, contact name, and contact phone number;
 - (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. Revisions and Updates to SWP3s

The permittee must revise or update the SWP3 whenever the following occurs:

- 1. 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;
- 2. changing site conditions based on updated plans and specifications, new operators, new areas of responsibility, and changes in BMPs; or
- 3. 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 or project description, which includes the following information:
 - (a) a description of the nature of the construction activity;
 - (b) a list of potential pollutants and their sources;

- (c) a description of the intended schedule or sequence of activities that will disturb soils for major portions of the site;
- (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 that are authorized under the permittee's NOI;
- (e) data describing the soil or the quality of any discharge from the site;
- (f) a map showing the general location of the site (e.g. a portion of a city or county map);
- (g) a detailed site map (or maps) indicating the following:
 - (i) 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 temporary or permanent stabilization practices are expected to be used;
 - (v) locations of construction support activities, including off-site activities, that are authorized under the permittee's NOI, including material, waste, borrow, fill, or equipment storage areas;
 - (vi) surface waters (including wetlands) either at, adjacent, or in close proximity to the site;
 - (vii) locations where storm water discharges from the site directly to a surface water body or a municipal separate storm sewer system; and
 - (viii) vehicle wash areas.

Where the amount of information required to be included on the map would result in a single map being difficult to read and interpret, the operator shall develop a series of maps that collectively include the required information.

- (h) the location and description of support activities authorized under the permittee's NOI, including asphalt plants, concrete plants, and other activities providing support to the construction site that is authorized under this general permit;
- (i) the name of receiving waters at or near the site that may be disturbed or that may receive discharges from disturbed areas of the project;

- (j) a copy of this TPDES general permit, and
- (k) the notice of intent (NOI) and acknowledgement certificate for primary operators of large construction sites, and the site notice for small construction sites and for secondary operators of large construction sites.
- 2. A description of the best management practices (BMPs) 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) General Requirements
 - (i) Erosion and sediment controls must be designed to retain sediment on-site to the extent practicable with consideration for local topography, soil type, and rainfall.
 - (ii) Control measures must be properly selected, installed, and maintained according to the manufacturer's or designer's specifications.
 - (iii) Controls must be developed to minimize the offsite transport of litter, construction debris, and construction materials.
- (b) Erosion Control and Stabilization Practices

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

- (iii) Erosion control and stabilization measures must be initiated as soon as practicable in portions of the site where construction activities have temporarily ceased. Stabilization measures that provide a protective cover must be initiated as soon as practicable in portions of the site where construction activities have permanently ceased. Except as provided in (A) through (D) below, these measures must be initiated no more than 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 has temporarily ceased, and earth disturbing activities will be resumed within 21 days, temporary erosion control and stabilization measures are not required on that portion of site.
 - (C) In arid areas, semiarid areas, and areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased or is precluded by arid conditions, erosion control and stabilization measures must be initiated as soon as practicable. Where vegetative controls are not feasible due to arid conditions, the operator shall install non-vegetative erosion controls. If non-vegetative controls are not feasible, the operator shall install temporary sediment controls as required in Paragraph (D) below.
 - (D) In areas where temporary stabilization measures are infeasible, the operator may alternatively utilize temporary perimeter controls. The operator must document in the SWP3 the reason why stabilization measures are not feasible, and must demonstrate that the perimeter controls will retain sediment on site to the extent practicable. The operator must continue to inspect the BMPs at the frequency established in Section III.F.7.(a) for unstabilized sites.
- (iv) Final stabilization must be achieved prior to termination of permit coverage.
- (c) Sediment Control Practices

The SWP3 must include a description of any sediment control practices used to remove eroded soils from storm water runoff, including the general timing or sequence for implementation of controls.

- (i) Sites With Drainage Areas of Ten or More Acres
 - (A) Sedimentation Basin(s)

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

acre drained may be utilized. Where rainfall data is not available or a calculation cannot be performed, a temporary or permanent sediment basin providing 3,600 cubic feet of storage per acre drained may be provided. If a calculation is performed, then the calculation shall be included in the SWP3.

3. A Description of 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 may 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.

- 4. Other Required Controls and BMPs
 - (a) Permittees shall minimize, to the extent practicable, the off-site vehicle tracking of sediments and the generation of dust. The SWP3 shall include a description of controls utilized to accomplish this requirement.
 - (b) The SWP3 must include a description of construction and waste materials expected to be stored on-site and a description of controls to minimize pollutants from these materials.
 - (c) The SWP3 must include a description of potential pollutant sources from areas other than construction (such as storm water discharges from dedicated asphalt plants and dedicated concrete batch plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.
 - (d) Permittees shall place velocity dissipation devices at discharge locations and along the length of any outfall channel (i.e., runoff conveyance) to provide a non-erosive flow velocity from the structure to a water course, so that the natural physical and biological characteristics and functions are maintained and protected.
 - (e) Permittees shall design and utilize appropriate controls to minimize the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site.
- 5. Documentation of Compliance with Approved State and Local Plans
 - (a) Permittees must ensure that the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or 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.

- (c) If the permittee is required to prepare a separate management plan, including but not limited to a Water Pollution Abatement Plan or Contributing Zone Plan in accordance with 30 TAC Chapter 213 (related to the Edwards Aquifer), then a copy of that plan must be either included in the SWP3 or made readily available upon request to authorized personnel of the TCEQ. The permittee shall maintain a copy of the approval letter for the plan in its SWP3.
- 6. Maintenance Requirements
 - (a) All protective measures identified in the SWP3 must be maintained in effective operating condition. If, through inspections or other means, the permittee determines that BMPs are not operating effectively, then the permittee shall perform maintenance as necessary to maintain the continued effectiveness of storm water controls, and prior to the next rain event if feasible. If maintenance prior to the next anticipated storm event is impracticable, the reason shall be documented in the SWP3 and maintenance must be scheduled and accomplished as soon as practicable. Erosion and sediment controls that have been intentionally disabled, run-over, removed, or otherwise rendered ineffective must be replaced or corrected immediately upon discovery.
 - (b) If periodic inspections or other information indicates a control has been used incorrectly, is performing inadequately, or is damaged, then the operator must replace or modify the control as soon as practicable after making the discovery.
 - (c) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%. For perimeter controls such as silt fences, berms, etc., the trapped sediment must be removed before it reaches 50% of the above-ground height.
 - (d) If sediment escapes the site, accumulations must be removed at a frequency that minimizes off-site impacts, and prior to the next rain event, if feasible. If the permittee does not own or operate the off-site conveyance, then the permittee must to work with the owner or operator of the property to remove the sediment.
- 7. Inspections of Controls
 - (a) Personnel provided by the permittee 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, discharge locations, and structural controls for evidence of, or the potential for, pollutants entering the drainage system. Personnel conducting these inspections must be knowledgeable of this general permit, familiar with the construction site, and knowledgeable of the SWP3 for the site. 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 at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

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Where sites have been finally or temporarily stabilized or where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), inspections must be conducted at least once every month. In arid or semi-arid areas, inspections must be conducted at least once every month and within 24 hours after the end of a storm event of 0.5 inches or greater.

As an alternative to the above-described inspection schedule of once every 14 calendar days and within 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, then the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection. The inspections may occur on either schedule provided that the SWP3 reflects the current schedule and that any changes to the schedule are conducted in accordance with the following provisions: the schedule may be changed a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for the schedule change must be documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season).

Utility line installation, pipeline construction, and other examples of long, narrow, (b) 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 14 calendar days and within 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 portion may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 mile portion to either the end of the next 0.25 mile inspected portion, or to the end of the project, whichever occurs first.

As an alternative to the above-described inspection schedule of once every 14 calendar days and within 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. The inspections may occur on either schedule provided that the SWP3 reflects the current schedule and that any changes to the schedule are conducted in accordance with the following provisions: the schedule may be changed a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for the schedule change must be documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season).

- (c) 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.
- (d) 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.
- (e) A report summarizing the scope of the inspection, the date(s) 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).

The names and qualifications of personnel making the inspections for the permittee may be documented once in the SWP3 rather than being included in each report.

- 8. The SWP3 must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-storm water components of the discharge, as listed in Part II.A.3. of this permit.
- 9. The SWP3 must include the information required in Part III.B. of this general permit.

Part IV. Storm Water Runoff from Concrete Batch Plants

Discharges of storm water runoff from concrete batch plants at regulated construction sites may be authorized under the provisions of this general permit provided that the following requirements are met for concrete batch plant(s) authorized under this permit. If discharges of storm water runoff from concrete batch plants are not covered under this general permit, then discharges must be authorized under an alternative general permit or individual permit. This permit does not authorize the discharge or land disposal of any wastewater from concrete batch plants at regulated construction sites. Authorization for these wastes must be obtained under an individual permit or an alternative general permit.

Section A. Benchmark Sampling Requirements

1. Operators of concrete batch plants authorized under this general permit must sample the storm water runoff from the concrete batch plants according to the requirements of this

Benchmark Parameter	Benchmark Value	Sampling Frequency	Sample Type
Oil and Grease	15 mg/L	1/quarter (*1)(*2)	Grab (*3)
Total Suspended Solids	100 mg/L	1/quarter (*1)(*2)	Grab (*3)
pН	6.0 - 9.0 Standard Units	1/quarter (*1)(*2)	Grab (*3)
Total Iron	1.3 mg/L	1/quarter(*1)(*2)	Grab (*3)

section of this general permit, and must conduct evaluations on the effectiveness of the SWP3 based on the following benchmark monitoring values:

- (*1) When discharge occurs. Sampling is required within the first 30 minutes of discharge. If it is not practicable to take the sample, or to complete the sampling, within the first 30 minutes, sampling must be completed within the first hour of discharge. If sampling is not completed within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity.
- (*2) Sampling must be conducted at least once during each of the following periods. The first sample must be collected during the first full quarter that a storm water discharge occurs from a concrete batch plant authorized under this general permit.

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

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

- (*3) A grab sample shall be collected from the storm water discharge resulting from a storm event that is at least 0.1 inches of measured precipitation that occurs at least 72 hours from the previously measurable storm event. The sample shall be collected downstream of the concrete batch plant, and where the discharge exits any BMPs utilized to handle the runoff from the batch plant, prior to commingling with any other water authorized under this general permit.
- 2. The permittee must compare the results of sample analyses to the benchmark values above, and must include this comparison in the overall assessment of the SWP3's effectiveness. Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not numeric effluent limitations. Results of analyses are indicators that modifications of the SWP3 should be assessed and may be necessary to protect water quality. The operator must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 by the end of the quarter following the sampling event.

The operator's investigation must identify the following:

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

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

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

Minimum Storm Water Pollution Prevention Plan (SWP3) Requirements – The following are required in addition to other SWP3 requirements listed in this general permit (including, but not limited to Part III.F.7. of this permit):

1. Description of Potential Pollutant Sources - The SWP3 must provide a description of potential sources (activities and materials) that may reasonably be expected to affect the quality of storm water discharges associated with concrete batch plants authorized under this permit. The SWP3 must describe practices that that will be used to reduce the pollutants in these discharges to assure compliance with this general permit, including the protection of water quality, and must ensure the implementation of these practices.

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

- (a) Drainage The site map must include the following information:
 - (1) the location of all outfalls for storm water discharges associated with concrete batch plants that are authorized under this permit;
 - (2) a depiction of the drainage area and the direction of flow to the outfall(s); \cdot
 - (3) structural controls used within the drainage area(s);
 - (4) the locations of the following areas associated with concrete batch plants that are exposed to precipitation: vehicle and equipment maintenance activities (including fueling, repair, and storage areas for vehicles and equipment scheduled for maintenance); areas used for the treatment, storage, or disposal

of wastes; liquid storage tanks; material processing and storage areas; and loading and unloading areas; and

- (5) the locations of the following: any bag house or other dust control device(s); recycle/sedimentation pond, clarifier or other device used for the treatment of facility wastewater (including the areas that drain to the treatment device); areas with significant materials; and areas where major spills or leaks have occurred.
- (b) Inventory of Exposed Materials A list of materials handled at the concrete batch plant that may be exposed to storm water and that have a potential to affect the quality of storm water discharges associated with concrete batch plants that are authorized under this general permit.
- (c) Spills and Leaks A list of significant spills and leaks of toxic or hazardous pollutants that occurred in areas exposed to storm water and that drain to storm water outfalls associated with concrete batch plants authorized under this general permit must be developed, maintained, and updated.
- (d) Sampling Data A summary of existing storm water discharge sampling data must be maintained, if available.
- 2. Measures and Controls The SWP3 must include a description of management controls to regulate pollutants identified in the SWP3's "Description of Potential Pollutant Sources" from Part IV.B.1.(a) of this permit, and a schedule for implementation of the measures and controls. This must include, at a minimum:
 - (a) Good Housekeeping Good housekeeping measures must be developed and implemented in the area(s) associated with concrete batch plants.
 - (1) Operators must prevent or minimize the discharge of spilled cement, aggregate (including sand or gravel), settled dust, or other significant materials from paved portions of the site that are exposed to storm water. Measures used to minimize the presence of these materials may include regular sweeping or other equivalent practices. These practices must be conducted at a frequency that is determined based on consideration of the amount of industrial activity occurring in the area and frequency of precipitation, and shall occur at least once per week when cement or aggregate is being handled or otherwise processed in the area.
 - (2) Operators must prevent the exposure of fine granular solids, such as cement, to storm water. Where practicable, these materials must be stored in enclosed silos, hoppers or buildings, in covered areas, or under covering.
 - (b) Spill Prevention and Response Procedures Areas where potential spills that can contribute pollutants to storm water runoff, and the drainage areas from these locations, must be identified in the SWP3. Where appropriate, the SWP3 must specify material handling procedures, storage requirements, and use of equipment.

Procedures for cleaning up spills must be identified in the SWP3 and made available to the appropriate personnel.

- (c) Inspections Qualified facility personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) must be identified to inspect designated equipment and areas of the facility specified in the SWP3. The inspection frequency must be specified in the SWP3 based upon a consideration of the level of concrete production at the facility, but must be a minimum of once per month while the facility is in operation. The inspection must take place while the facility is in operation and must, at a minimum, include all areas that are exposed to storm water at the site, including material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, truck wash down and equipment cleaning areas. Follow-up procedures must be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections must be maintained and be made readily available for inspection upon request.
- (d) Employee Training An employee training program must be developed to educate personnel responsible for implementing any component of the SWP3, or personnel otherwise responsible for storm water pollution prevention, with the provisions of the SWP3. The frequency of training must be documented in the SWP3, and at a minimum, must consist of one training prior to the initiation of operation of the concrete batch plant.
- (e) Record Keeping and Internal Reporting Procedures A description of spills and similar incidents, plus additional information that is obtained regarding the quality and quantity of storm water discharges, must be included in the SWP3. Inspection and maintenance activities must be documented and records of those inspection and maintenance activities must be incorporated in the SWP3.
- (f) Management of Runoff The SWP3 shall contain a narrative consideration for reducing the volume of runoff from concrete batch plants by diverting runoff or otherwise managing runoff, including use of infiltration, detention ponds, retention ponds, or reusing of runoff.
- 3. Comprehensive Compliance Evaluation At least once per year, one or more qualified personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) shall conduct a compliance evaluation of the plant. The evaluation must include the following.
 - (a) Visual examination of all areas draining storm water associated with regulated concrete batch plants for evidence of, or the potential for, pollutants entering the drainage system. These include but are not limited to: cleaning areas, material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, and truck wash down and equipment cleaning areas. Measures implemented to reduce pollutants in runoff (including structural controls and implementation of management practices) must be evaluated to determine if they are effective and if they are implemented in accordance with the terms of this permit

and with the permittee's SWP3. The operator shall conduct a visual inspection of equipment needed to implement the SWP3, such as spill response equipment.

- (b) Based on the results of the evaluation, the following must be revised as appropriate within two weeks of the evaluation: the description of potential pollutant sources identified in the SWP3 (as required in Part IV.B.1., "Description of Potential Pollutant Sources"); and pollution prevention measures and controls identified in the SWP3 (as required in Part IV.B.2., "Measures and Controls"). The revisions may include a schedule for implementing the necessary changes.
- (c) The permittee shall prepare and include in the SWP3 a report summarizing the scope of the evaluation, the personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the SWP3, and actions taken in response to the findings of the evaluation. The report must identify any incidents of noncompliance. Where the report does not identify incidences of noncompliance, the report must contain a statement that the evaluation did not identify any incidence(s), and the report must be signed according to 30 TAC Section 305.128, relating to Signatories to Reports.
- (d) The Comprehensive Compliance Evaluation may substitute for one of the required inspections delineated in Part IV.B.2.(c) of this general permit.

Section C. Prohibition of Wastewater Discharges

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

Part V. Concrete Truck Wash Out Requirements

This general permit authorizes the wash out of concrete trucks at construction sites regulated under Sections II.E.1., 2., and 3. of this general permit, provided the following requirements are met. Authorization is limited to the land disposal of wash out water from concrete trucks that are associated with off-site production facilities. Wash out water associated with on-site concrete production facilities must be authorized under a separate TCEQ general permit or individual permit.

- 1. Direct discharge of concrete truck wash out water to surface water in the state, including discharge to storm sewers, is prohibited by this general permit.
- 2. Concrete truck wash out water shall be discharged to areas at the construction site where structural controls have been established to prevent direct discharge to surface waters, or to areas that have a minimal slope that allow infiltration and filtering of wash out water to prevent direct discharge to surface waters. Structural controls may consist of temporary berms, temporary shallow pits, temporary storage tanks with slow rate release, or other reasonable measures to prevent runoff from the construction site.
- 3. Wash out of concrete trucks during rainfall events shall be minimized. The direct discharge

of concrete truck wash out water is prohibited at all times, and the operator shall insure that its BMPs are sufficient to prevent the discharge of concrete truck washout as the result of rain.

- 4. The discharge of wash out water shall not cause or contribute to groundwater contamination.
- 5. If a SWP3 is required to be implemented, the SWP3 shall include concrete wash out areas on the associated map.

Part VI. 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.E.3. For activities in which an NOT is not required, records shall be retained for a minimum period of three (3) years from the date that the operator terminates coverage under Section II.F.3. of this permit. Records include:

- 1. A copy of the SWP3;
- 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; and
- 4. All records of submittal of forms submitted to the operator of any MS4 receiving the discharge and to the secondary operator of a large construction site, if applicable.

Part VII. 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, Texas 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

Construction General Permit

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 the federal Clean Water Act (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 VIII. Fees

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

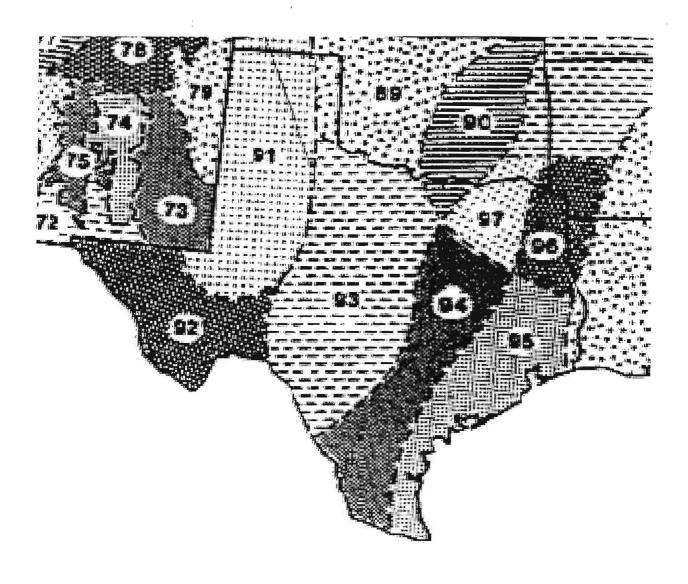
Appendix A: Automatic Authorization

Periods of Low Erosion Potential by County – Eligible Date Ranges

Andrews: Nov. 15 - Apr. 30 Archer: Dec. 15 - Feb. 14 Arthstrong: Nov. 15 - Apr. 30 Bailey: Nov. 1 - Apr. 30, or Nov. 15 - May 14 Baylor: Dec. 15 - Feb. 14 Borden: Nov. 15 - Apr. 30 Brewster: Nov. 15 - Apr. 30 Briscoe: Nov. 15 - Apr. 30 Brown: Dec. 15 - Feb. 14 Callahan: Dec. 15 - Feb. 14 Carson: Nov. 15 - Apr. 30 Castro: Nov. 15 - Apr. 30 Childress: Dec. 15 - Feb. 14 Cochran: Nov. 1 - Apr. 30, or Nov. 15 - May 14 Coke: Dec. 15 - Feb. 14 Coleman: Dec. 15 - Feb. 14 Collingsworth: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28 Concho: Dec. 15 - Feb. 14 Cottle: Dec. 15 - Feb. 14 Crane: Nov. 15 - Apr. 30 Crockett: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30 Crosby: Nov. 15 - Apr. 30 Culberson: Nov. 1 - May 14 Dallam: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30 Dawson: Nov. 15 - Apr. 30 Deaf Smith: Nov. 15 - Apr. 30 Dickens: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30 Dimmit: Dec. 15 - Feb. 14 Donley: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28 Eastland: Dec. 15 - Feb. 14 Ector: Nov. 15 - Apr. 30 Edwards: Dec. 15 - Feb. 14 El Paso: Jan. 1 - Jul. 14, or May 15 - Jul. 31, or Jun. 1 - Aug. 14, or Jun. 15 - Sept. 14, or Jul. 1 - Oct. 14, or Jul. 15 - Oct. 31, or Aug. 1 - Apr. 30, or Aug. 15 - May 14, or Sept. 1 - May 30, or Oct. 1 - Jun. 14, or Nov. 1 - Jun. 30, or Nov. 15 - Jul. 14 Fisher: Dec. 15 - Feb. 14 Floyd: Nov. 15 - Apr. 30 Foard: Dec. 15 - Feb. 14 Gaines: Nov. 15 - Apr. 30 Garza: Nov. 15 - Apr. 30 Glasscock: Nov. 15 - Apr. 30 Hale: Nov. 15 - Apr. 30 Hall: Feb. 1 - Mar. 30 Hansford: Nov. 15 - Apr. 30 Hardeman: Dec. 15 - Feb. 14 Hartley: Nov. 15 - Apr. 30 Haskell: Dec. 15 - Feb. 14 Hockley: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30 Howard: Nov. 15 - Apr. 30 Hudspeth: Nov. 1 - May 14 Hutchinson: Nov. 15 - Apr. 30 Irion: Dec. 15 - Feb. 14 Jeff Davis: Nov. 1 - Apr. 30 or Nov. 15 - May 14 Jones: Dec. 15 - Feb. 14 Kent: Nov. 15 - Jan. 14 or Feb. 1 - Mar. 30

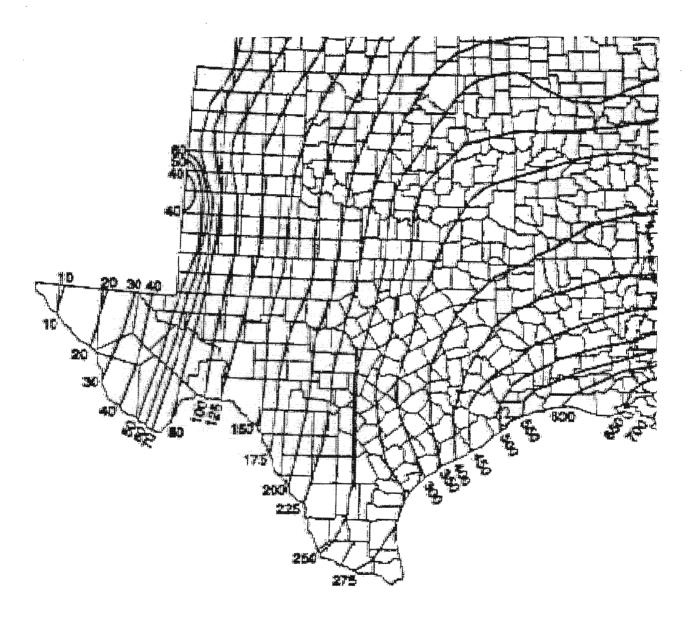
Kerr: Dec. 15 - Feb. 14 Kimble: Dec. 15 - Feb. 14 King: Dec. 15 - Feb. 14 Kinney: Dec. 15 - Feb. 14 Knox: Dec. 15 - Feb. 14 Lamb: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30 Loving: Nov. 1 - Apr. 30, or Nov. 15 - May 14 Lubbock: Nov. 15 - Apr. 30 Lynn: Nov. 15 - Apr. 30 Martin: Nov. 15 - Apr. 30 Mason: Dec. 15 - Feb. 14 Maverick: Dec. 15 - Feb. 14 McCulloch: Dec. 15 - Feb. 14 Menard: Dec. 15 - Feb. 14 Midland: Nov. 15 - Apr. 30 Mitchell: Nov. 15 - Apr. 30 Moore: Nov. 15 - Apr. 30 Motley: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30 Nolan: Dec. 15 - Feb. 14 Oldham: Nov. 15 - Apr. 30 Parmer: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30 Pecos: Nov. 15 - Apr. 30 Potter: Nov. 15 - Apr. 30 Presidio: Nov. 1 - Apr. 30, or Nov. 15 - May 14 Randall: Nov. 15 - Apr. 30 Reagan: Nov. 15 - Apr. 30 Real: Dec. 15 - Feb. 14 Reeves: Nov. 1 - Apr. 30, or Nov. 15 - May 14 Runnels: Dec. 15 - Feb. 14 Schleicher: Dec. 15 - Feb. 14 Scurry: Nov. 15 - Apr. 30 Shackelford: Dec. 15 - Feb. 14 Sherman: Nov. 15 - Apr. 30 Stephens: Dec. 15 - Feb. 14 Sterling: Nov. 15 - Apr. 30 Stonewall: Dec. 15 - Feb. 14 Sutton: Dec. 15 - Feb. 14 Swisher: Nov. 15 - Apr. 30 Taylor: Dec. 15 - Feb. 14 Terrell: Nov. 15 - Apr. 30 Terry: Nov. 15 - Apr. 30 Throckmorton: Dec. 15 - Feb. 14 Tom Green: Dec. 15 - Feb. 14 Upton: Nov. 15 - Apr. 30 Uvalde: Dec. 15 - Feb. 14 Val Verde: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30 Ward: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30 Wichita: Dec. 15 - Feb. 14 Wilbarger: Dec. 15 - Feb. 14 Winkler: Nov. 1 - Apr. 30, or Nov. 15 - May 14 Yoakum: Nov. 1 - Apr. 30, or Nov. 15 - May 14 Young: Dec. 15 - Feb. 14 Wheeler: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28 Zavala: Dec. 15 - Feb. 14

Appendix B: Erosivity Index (EI) Zones in Texas



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

Appendix C: Isoerodent Map



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

Appendix D: Erosivity Indices for El Zones in Texas

Periods:

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

* Each period begins on the date listed in the table above and lasts until the day before the following period. The final period begins on December 15 and ends on December 31.

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

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El#:

Attachment 1



SMALL CONSTRUCTION SITE NOTICE: LOW POTENTIAL FOR EROSION 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.E.1. of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from small construction sites automatically authorized based on low rainfall erosivity. 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

Operator Name:	
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 Small Construction Sites Authorized Under Part II.E.1., the following certification must be completed:

____ (Typed or Printed Name Person Completing This Certification) certify under I penalty of law that I have read and understand the eligibility requirements for claiming an automatic authorization based on low rainfall erosivity under Part II.E.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 the general permit. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4. 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____ Date____

Date Notice Removed MS4 operator notified per Part II.F.3.

Attachment 2 Page 47

CONSTRUCTION SMALL 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.E.2. of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from small construction sites. Additional information regarding the TCEQ storm water permit program may be found on the internet at:

htt	p://www.tceo	g.state.tx.us/	/nav/perm	its/wq_const	ruction.html

Operator Name:	
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 Small Construction Activities Authorized Under Part II.E.2. (Obtaining Authorization to Discharge) the following certification must be completed:

(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 will be implemented prior to construction, according to permit requirements. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4. 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_____

Date Notice Removed MS4 operator notified per Part II.F.3.

Attachment 3



LARGE CONSTRUCTION SITE NOTICE

FOR THE

Texas Commission on Environmental Quality (TCEQ)

Storm Water Program

TPDES GENERAL PERMIT TXR150000

"SECONDARY OPERATOR" NOTICE

This notice applies to secondary operators of construction sites operating under Part II.E.3. of the TPDES General Permit Number TXR150000 for discharges of storm water runoff from construction sites equal to or greater than five acres, including the larger common plan of development. The information on this notice is required in Part III.E.2. of the general permit. Additional information regarding the TCEQ storm water permit program may be found on the internet at: <u>http://www.tceq.state.tx.us/nav/permits/sw_permits.html</u>

Site-Specific TPDES Authorization Number:	
Operator Name:	
Contact Name and Phone Number:	
Project Description: <i>Physical address or description of the site's location, and estimated start date and projected end date, or date that disturbed soils will be stabilized.</i>	
Location of Storm Water Pollution Prevention Plan (SWP3):	

For Large Construction Activities Authorized Under Part II.E.3. (Obtaining Authorization to Discharge) the following certification must be completed:

Signature and Title_____

____ Date _____

	Date Notice Removed
MS4	operator notified per Part II.F.3.

Attachment 4



LARGE CONSTRUCTION SITE NOTICE

FOR THE

Texas Commission on Environmental Quality (TCEQ)

Storm Water Program

TPDES GENERAL PERMIT TXR150000

"PRIMARY OPERATOR" NOTICE

This notice applies to construction sites operating under Part II.E.3. of the TPDES General Permit Number TXR150000 for discharges of storm water runoff from construction sites equal to or greater than five acres, including the larger common plan of development. The information on this notice is required in Part III.E.2. of the general permit. This notice shall be posted along with a copy of the signed Notice of Intent (NOI), as applicable. Additional information regarding the TCEQ storm water permit program may be found on the internet at: http://www.tceq.state.tx.us/nav/permits/sw_permits.html

Site-Specific TPDES Authorization Number:	
Operator Name:	
Contact Name and Phone Number:	
Project Description: Physical address or description of the site's location, and estimated start date and projected end date, or date that disturbed soils will be stabilized.	
Location of Storm Water Pollution Prevention Plan:	

	Notice of Intent	(NOI) for Storm Water	TCEQ Office Use Only Permit No.: TXR15
		(NOI) for Storm Water ciated with Construction	RN:
		PDES General Permit	CN:
TCE		(R150000)	Ref No:
		,	
MFI		NOI at <u>https://www6.tceq.state.tx.u</u> ge and only pay a \$225 application	
) m		
	If filing a paper NOI you can pay th	ne application fee on line? Go to https://www	/6.tceq.state.tx.us/epay/
DIDOD	Select Fee Type: GENERAL PERMI	T CONSTRUCTION STORM WATER DISCH	ARGE NOI APPLICATION
•Use the IN	STRUCTIONS to fill out each question	in this form.	
	ached CUSTOMER CHECKLIST to r		ed information.
the second	applications WILL delay approval or r	esult in automatic Denial.	
	General Permit to renew an ACTIVE permit?		
A CONTRACTOR OF A CONTRACTOR O	es - What is your permit number? Per	mit No. TXR15	
	o - a permit number will be issued.		
m • •	Fee if mailing a paper NOI:		
	ay the \$325 Application Fee to TCEQ for d NOI must be mailed to separate address		
• rayment an	I NOI must de marteu to separate admes	sses. See instructions for correct manning	g addresses.
Provide yo	ur payment information below, for us	to verify payment of the application f	ee:
Mailed:	Check/Money Order No.:	Company Name on checking account:	ананан талан талан талан талар талан талар та
EPAY:	Voucher No.:	Is the Payment Voucher copy attached?	Yes
A. OPER	ATOR (applicant)	Service and the service of the service and	
1. If the app	blicant is currently a customer with TCE	Q, what is the Customer Number (CN)	issued to this entity?
<u>CN</u>	(Search <u>Centr</u>		
Z. What is i	he Legal Name of the entity (applicant)	applying for this permit?	
	must be spelled exactly as filed with the Texas Secretar		e entity.)
• 3. What is 1	he name and title of the person signing t	he application?	
		1 m 0 0 0 0 (101))	
(The person m	ust be an official meeting signatory requirements		
(The person m		Job Title:	
(The person m Name: 4. What is t	ust be an official meeting signatory requirements ne Operator's (applicant) mailing addres	Job Title: s as recognized by the US Postal Servi	ce? (verify at <u>USPS.com</u>)
(The person m Name: 4. What is t Address:	ne Operator's (applicant) mailing addres	Job Title: s as recognized by the US Postal Servi Suite No./Bldg. No./Mail Code:	
(The person m Name: 4. What is t Address: City:	ne Operator's (applicant) mailing addres State:	Job Title: s as recognized by the US Postal Servi Suite No./Bldg. No./Mail Code: ZIP Coc	e:
(The person m Name: 4. What is t Address: City: Country Ma	ne Operator's (applicant) mailing addres State: iling Information (if outside USA).	Job Title: s as recognized by the US Postal Servi Suite No./Bldg. No./Mail Code: ZIP Coc Country Code: Pos	
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(The person m Name: 4. What is t Address: City: Country Ma 5. Phone No 6. Fax No.:	ne Operator's (applicant) mailing addres State: iling Information (if outside USA). .: () () he type of Customer: Individual	Job Title: s as recognized by the US Postal Servi Suite No./Bldg. No./Mail Code: ZIP Coc Country Code: Pos Extension: E-mail Address: Proprietorship-D.B.A.	le: tal Code: artnership
(The person m Name: 4. What is t Address: City: Country Ma 5. Phone No 6. Fax No.:	ne Operator's (applicant) mailing addres State: iling Information (if outside USA). 0.: (() () () he type of Customer: Sole Corporation Fed. State Government Cou	Job Title: s as recognized by the US Postal Servi Suite No./Bldg. No./Mail Code: ZIP Coc Country Code: Pos Extension: E-mail Address:	e: tal Code: artnership artnership

(inclusion)

(Decisional Constants)

8. Independent Operator:	No (If governmental entity, subsidiary, or part of a larger corporation, check "No".)
9. Number of Employees: 0-20; 2	21-100; 101-250; 251-500; or 501 or higher
	is item is not applicable to Individuals, Government, GP or Sole Proprietor.) erships (Verify the entity's status and filing no. with TX SOS at 512/463-5555) Federal Tax ID:
TX SOS Charter (filing) Number:	DUNS Number (if known):
B. APPLICATION CONTACT	
这些的时候,你们还是一些正知道的你们的问题。"但是不是这些你能够的。我们们的你的	
If TCEQ needs additional information regarding this	application, who should be contacted?
1. Name: Title:	Company:
2. Phone No.: ()	Extension:
3. Fax No.:	E-mail Address:
C. REGULATED ENTITY (RE) INFORMATION	I ON PROJECT OR SITE
 TCEQ Issued RE Reference Number (RN): RN (Search <u>Central Registry</u>) Name of Project or Site (the name as known by the 	e community where this facility/project is located):
(example: phase and name of subdivision or name of project that)	's unique to the site)
3. Does the site have a physical address?	
If Yes, complete Section A for a physical address.	
If No, complete Section B for site location information.	
Section A: Enter the physical address for the site. (verify it with	h <u>USPS.com</u> or other delivery source)
Street Number:	Street Name:
City:	ZIP Code:
Section B: Enter the site location information.	
If no physical address (Street Number & Street Name), provide a (Ex.: phase 1 of Woodland subdivision located 2 miles west fi	written location access description to the site: rom intersection of Hwy 290 & IH35 accessible on Hwy 290 South)
City where the site is located or nearest city to site:	ZIP Code where site is located:
4. Identify the county where the site is located:	
5. Latitude:	Longitude:
 What is the primary business of this entity? In your (Do not repeat the SIC and NAICS code) 	own words, briefly describe the primary business of the Regulated Entity:
7. What is the mailing address for the regulated entity	
Is the RE mailing address the same as the Operator?	es, address is the same as Operator No, provide the address
Street Number:	Street Name:
City: State:	ŽIP Code:
D. GENERAL CHARACTERISTICS	그는 사람이 많은 것이 아무지 않는 것이 같은 것이 같은 것이 같이
 Is the site located on Indian Country Lands? If the site is on Indian country lands, you must obtain authoriza What is the Standard Industrial Classification (SIC) 	
2. What is the Station of Industrial Classification (SIC)	

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3(a) What is the total number of acres disturbed?
3(b) Is the project site part of a larger common plan of development or sale?
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. 4. Discharge Information (all information MUST be provided or the permit will be denied)
4(a) What is the name of the water body(s) to receive the storm water runoff or potential runoff from the site?
(a) what is the name of the water body(s) to receive the storm water runor of potential runor from the site?
4(b) What is the segment number(s) of the classified water body(s) that the discharge or potential discharge will eventually
reach?
4(c) Are any of the surface water bodies receiving discharges from the construction site on the latest EPA-approved CWA 303(d) list of impaired waters?
Yes No
If Yes, provide the name of the impaired water body(s).
4(d) 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.
4(e) 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 or referenced in the Storm Water Pollution Prevention Plan.
E. CERTIFICATION
Check "Yes" to the certifications below. Failure to certify to all items will result in denial.
Yes I certify that I have obtained a copy and understand the terms and conditions of the general permit (TXR150000).
Yes I certify that the full legal name of the entity (Operator) applying for this permit has been provided and is legally authorized to do business in Texas.
Yes I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.
Yes I certify that a storm water pollution prevention plan has been developed and implemented prior to construction, and that is compliant with any applicable local sediment and erosion control plans and prepared and implemented as required in the general permit TXR150000.
Operator Certification:
I, Typed or printed name (Required & must be legible) Title (Required & legible)
the second s
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. J 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 <u>30 Texas Administrative Code §305.44</u> to sign and submit this document, and can provide documentation in
proof of such authorization upon request.
Signature: Date: Date:
TCEO-20022 (03/05/2008) Page 3

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
\checkmark	This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the permit. (See NOI Process description in the Instructions)
	Application Fee of \$325.00 was mailed separately to TCEQ's Cashiers's Office (separate from the NOI) 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) Name and Title of person signing the application. This person must meet signatory requirements in 30 TAC Section 305.43 Operator Mailing Address is complete & verifiable with USPS. <u>www.usps.com</u>
	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 are REQUIRED
	Application Contact person we can call for questions about this application. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE - Confirm each item is complete: √
	v 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 Or if no physical address, the location information that includes description, zip code and city is listed.
	Latitude and Longitude TCEQ USGS Topographic Map Viewer or TerraServer-USA
	Business description Site Mailing Address (checked same as operator or complete & verifiable with USPS. <u>www.usps.com</u>)
	GENERAL CHARACTERISTICS - Confirm each item is complete: √
	Indian Country Lands –the facility is not on Indian Country Lands
	Standard Industrial Classification (SIC) code www.osha.gov/oshstats/sicser.html
	Acres Disturbed is provided and qualifies for coverage through a NOI.
	Common plan of development or for sale? Discharge Information:
	receiving water body
	segment number(s) is REQUIRED
	water body on the latest EPA-Approved Clean Water Act 303(d) list of impaired waters
	MS4 Operator
	Edwards Aquifer Rule
	CERTIFICATION
	Certification statements have been checked indicating "Yes"
	Signature meets <u>30 Texas Administrative Code (TAC) §305.44</u> 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	BY OVERNIGHT/EXPRESS MAIL
Texas Commission on Environmental Quality	Texas Commission on Environmental Quality
Storm Water Processing Center (MC228)	Storm Water Processing Center (MC228)
P.O. Box 13087	12100 Park 35 Circle
Austin, TX 78711-3087	Austin, TX 78753
TCEQ Contact list:	Augun, 17, 10735
Ϋ́Υ,	
Application Processing Questions relating to the status and form requirements	
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 availa	
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 foll	ows:
1. Administrative Review: Each item on the form will be reviewed for a con Texas Secretary of State as valid and active (if applicable). The address(s) on	
receiving regular mail delivery. Never give an overnight/express mailing addr	
Notice of Deficiency: If an item is incomplete or not verifiable as indicate operator will have 30 days to respond to the NOD. The response will be revie	
3. Acknowledgment of Coverage: An Acknowledgment Certificate will be general permit.	mailed to the operator. This certificate acknowledges coverage under the
-0!-	
Denial of Coverage: If the application is too incomplete to process, or 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 o	perator will be notified.
General Permit (Your Permit)	and any it has in the day the NOI is submitted to TOEO through
If filing the NOI through ePermits online application, coverage under the gepermits. Sign up now for on line NOI at <u>https://www6.tcc</u>	
If mailing a paper NOI, coverage under the general permit begins seven (7) da	ys 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 http://www.tceq.state.tx.us/permitting/water_guality/stomwater/TXR15_AIR.	ne TCEQ web site <u>html</u> .
General Permit Forms	
The Notice of Intent (NOI), Notice of Termination (NOT), and Notice of Char	ge (NOC) #20391 with instructions are available in Adobe Acrobat
DF format on the TCEQ web site http://www.tceq.state.tx.us/permitting/wate	r_quality/stormwater/TXR15_AIR.html.
Sign up now for on line Notice of Termination application	at https://www6.tceq.state.tx.us/steers/
Change in Operator	
An authorization under the general permit is not transferable. If the operator o	r owner of the regulated entity changes, the present permittee must submit The NOT and NOI must be submitted not later than 10 days prior to the

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 <u>www4.tceq.state.tx.us/crpub</u>. 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.

Application Fees:

\$225.00 application fee if submitting the NOI through ePermits. **\$325.00 application fee** if submitting a paper NOI for processing.

The application 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 d in acknowledgment or denial of coverage under the general permit.

· Mailed Payments:

DO NOT mail your check with the original Notice of Intent application. Use the attached Application Fee payment submittal form is mailing the payment. Do not include a copy of the NOI.

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

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.

The Annual Water Quality Fee has been consolidated into the Application Fee effective March 5, 2008. An annual fee will not be assessed and billed to operators on 9/1/2008. This does not relieve the operator of fees due for prior fiscal year assessments.

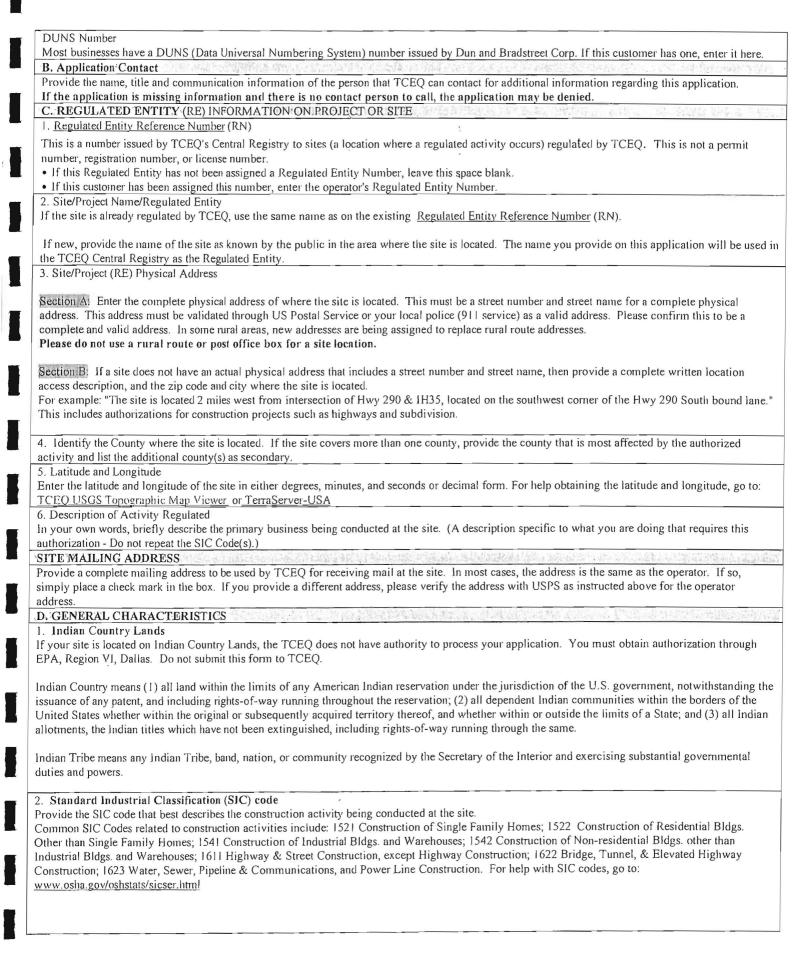
The operator will continue to receive an invoice for payment of any past due annual fee. A 5% penalty will be assessed if the payment is received by TCEQ after the due date. Annual fee assessments cannot be waived as long as the authorization under the general permit was active on September 1 of the FY billed.

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.
 If this customer has aready been assigned this number, enter the operator's customer reference retired in the space provided. 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, or go to <u>http://www.sos.state.tx.us/corp/contact.shtml</u> 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. Name and Title of person signing the Notice of Intent application form. Signature meets <u>30 Texas Administrative Code (TAC) §305,44</u>
4. 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 <u>www.usps.com</u> , 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.
5. 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.
6. Fax Number and E-mail Address
This number and E-mail address should correspond to operator's mailing address provided earlier. (Optional Information)
7. 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
• 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.
8. Independent Operator
Check "No" if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check "Yes."
9. 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.
10. 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 <u>http://www.sos.state.tx.us/corp/contact.shtml</u> .
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3. Estimated Area of Land Disturbed

3(a). Provide the approximate number of acres that the construction site will disturb.

3(b). Indicate is the site is part of a common plan of development or for sale.

Construction activities that disturb less than one acre, 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 acre, 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.

4. Discharge Information

4 (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).

4 (b). The classified segment number(s) is REQUIRED to get coverage. Go to the link to find the segment number of the classified water body where storm water will flow <u>http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/viewer/viewer/html</u>. Call Water Quality Assessments at 512/239-4671 for further assistance. Another source for segments is: http://www.tceq.state.tx.us/comm_exec/forms_pubs/pubs/gi/gi-316/index.html

4 (c). If any surface water body(s) receiving discharges from the construction site are on the latest EPA-approved CWA § 303(d) list of impaired waters, provide the name(s) of the water body(s).

EPA approved CWA 303d list of impaired waters can be found at: <u>Texas Water Quality Inventory and 303(d) List - Texas Commission on Environmental</u> <u>Quality - www.tecq.state.tx.us</u>

4 (d). 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.

4 (e). 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 <u>http://www.tceq.state.tx.us/compliance/field_ops/eapp/viewer.html</u>.

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 pennit 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.

E. 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 <u>30 Texus Administrative Code §305.44</u>

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 Co	mmission on Environmental Quality
	l Permit Payment Submittal Form
	aper Construction NOI Application Fee
Use this form to submit your Application Fee only if you ar	
	e manning your payment.
 Complete items 1 through 5 below: Staple your check in the space provided at the bottom of the Do not mail this form with your NOI form. Do not mail this form to the same address as your NOI. 	his document.
Mail this form and your shealt to	
Mail this form and your check to:	
BY REGULAR U.S. MAIL	BY OVERNIGHT/EXPRESS MAIL
Texas Commission on Environmental Quality	Texas Commission on Environmental Quality
Financial Administration Division	Financial Administration Division
Cashier's Office, MC-214	Cashier's Office, MC-214
P.O. Box 13088	12100 Park 35 Circle
Austin, TX 78711-3088	Austin, TX 78753
	ernit: 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:	
Character and the first of the state of the	New weeks with the state of the
5. NOLINFORMATION	
If the check is for more than one NOI, list each Project/Site A COPY OF THE NOI WITH THIS FORM AS IT COULD See Attached List of Sites (If more space is needed, you ma	
Project/Site (RE) Name:	
Project/Site (RE) Physical Address:	
Tojecusne (ICE) Physical Address.	
Staple (Check In This Space
Stapie	JUCK III IIII OPace

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

The For Course iso Applicant's Signature

7-22-08

Date

THE STATE OF Texas § County of Comal §

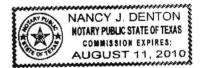
BEFORE ME, the undersigned authority, on this day personally appeared <u>Thomes</u> <u>Blockam</u> known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 2200 day of July ____, 2008

Mancy Denton _____

Naney J. Denton Typed or Printed Name of Notary

MY COMMISSION EXPIRES: ____



	OMAL ISD	WELLS FARGO BANK TEXAS, N.A. 37-65 NEW BRAUNFELS, TX 78130 1119 NO. 335409
×	Comal Independent School District 1404 IH 35 NORTH NEW BRAUNFELS, TEXAS 78130	VENDOR NO. 90009 CHECK DATE 07/23/08
		\$****6,500.00 VOID AFTER 90 DAYS
PAY	Six Thousand Five Hundred and NO/100 Dollars	
то	TEXAS COMMISSION ON	Garola fille
THE	ENVIRONMENTAL QUALITY	Bell Swimt
ORDER	PO BOX 13089	
	AUSTIN, TX 78711-3089	

#335409# #111900659#0612904425#

A POPULATION OF THE POPULATION OF THE PULL

Texas Commission on Environmental Quality Edwards Aquifer Protection Program Application Fee Form

NAME OF PROPOSED REGULATED ENTITY: <u>Bulverd</u> REGULATED ENTITY LOCATION: <u>920 L.F. West of Bu</u> NAME OF CUSTOMER: <u>Comal Independent School Dis</u> CONTACT PERSON: <u>Thomas Bloxham</u> PHONE (Please Print)	Iverde Road and E. Ammann							
Customer Reference Number (if issued): CN 6002	49825(nir	e digits)						
Regulated Entity Reference Number (if issued): RN <u>N/A</u> (nine digits)								
Austin Regional Office (3373)] Travis 🔲 Williamson							
San Antonio Regional Office (3362) 🗌 Bexar 🛛 🛛	Comal 🗌 Medina 🗌	Kinney 🗌 Uvalde						
Application fees must be paid by check, certified check, or Environmental Quality. Your canceled check will serve your fee payment. This payment is being submitted to (e as your receipt. This form							
Austin Regional Office	🛛 San Antonio Regional C	office						
Mailed to TCEQ: TCEQ – Cashier Revenues Section Mail Code 214 P.O. Box 13088 Austin, TX 78711-3088	Overnight Delivery to TO TCEQ - Cashier 12100 Park 35 Circle Building A, 3rd Floor Austin, TX 78753 512/239-0347	CEQ:						
Site Location (Check All That Apply): Recharge Zon	ne 🛛 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	15.29 Acres	\$6,500						
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	\$						
Mour Mal	7.72.08							

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.

Date

Individuals are enlitled 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.

TCEQ-0574 (Rev. 4/25/08)

Signature

Texas Commission on Environmental Quality Edwards Aquifer Protection Program Application Fee Schedule 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	COSTIPERILINEAR 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

離時間部計	PROJECT	FEE TO A CONTRACT OF A CONTRACT.
Exception Requ	uest	\$500

Extension of Time Requests

PROJECT	FEE
Extension of Time Request	\$150



TCEQ Core Data Form

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

SECTION I: General Information					
1. Reason for Submission (If other is checked pl	ease describe in sr	ace provided)	- p		
New Permit, Registration or Authorization .(Con	re Data Form:shou	d.be.submitted wit	h the program applicat	ion)	
Renewal (Core Data Form should be submitted	ed with the renewal	form) 🗌 O	ther		
.2. Attachments Describe Any Attachmen	ts:_ (ex. Title V Appli	cation, Waste Trans	porter Application, etc.)		
Yes No Contributing Zone P				-	
3. Customer Reference Number (if issued)	Follow this line for CN or RN r		egulated Entity Refere	ence Numbe	er (if issued)
CN 600249825	Central Re		N		
SECTION II: Customer Information	<u>on</u>				
5. Effective Date for Customer Information Update	tes (mm/dd/yyyy)	7/1/2008			
6. Customer Role (Proposed or Actual) - as it relates to	o the <u>Regulated Entit</u>	y listed on this form.	Please check only <u>one</u> o	the following	
Owner Operator		er & Operator			
Cccupational Licensee Responsible Party	v 🗌 Volur	ntary Cleanup App	licant Other:		1
7. General Customer Information					
New Customer	Update to Custor	ner Information	Change in	Regulated	Entity Ownership
Change in Legal Name (Verifiable with the Texas	Secretary of State)	No Chang	<u>e**</u>	2 E
**If "No Change" and Section I is complete, skip	to <u>Section III – Re</u>	gulated Entity Inf	for <u>mation.</u>		
.8. Type of Customer: Corporation	🗌 Indiv	idual	Sole Proprietors	hi <u>p-</u> D. <u>B</u> .A	
City Government County Government	E Fede	ral Government	State Governme	nt	
Other Government General Partnership		ed Partnership	Other:		
		If new Cus	tomer, enter previous C	ustomer	
9. Customer Legal Name (If an individual, print last na	me first: ex: Doe, Joh	n) <u>below</u>			End Date:
10. Mailing					
Address:	Chata.	710			
City	State	ZIP		ZIP + 4	
11. Country Mailing Information (if outside USA)		12. E-Mail Ad	dress (il applicable)		
	44 Eutonoion	- Cada	dE Fay Numbe	. life analised	
13. Telephone Number	14. Extension of	ruode	15. Fax Numbe	er (II applicat	ne)
16. Federal Tax ID (9 digits) 17. TX State Franchis		18. DUNS Num	()		Number (if applicable)
	e Tax ID (TT orgns)			x 303 r mių	g Nutriber (il applicable)
20. Number of Employees			21. Independ	lently Owne	ed and Operated?
0-20 21-100 101-250 251-50	0 🗌 501 and h	gher		es	No
SECTION III: Regulated Entity Inf	ormation				
22. General Regulated Entity Information (If 'New I	Regulated Entity" is	selected below th	nis form should be acco	mpanied by	a permit application)
New Regulated Entity Update to Regulated	_		lated Entity Information		Change** (See below)
	cked and Section I is c	omplete, skip to Sect	tion IV, Preparer Informatio	n.	
23. Regulated Entity Name (name of the sile where the	regulated action is t	aking place)			
Bulverde Elementary School					

			900 PM								
24. Street Address	1715	E. Ammanı	n Road								,,,
of the Regulated Entity:											
(No P.O. Boxes)	City	Bulverde		State	TX	ZI	P 7	78163		ZIP +	4
	1421	North Busi	ness 35								
25. Mailing				-					-		
Address:	City	New Braun	fels	State	TX	ZI		78130		ZIP +	4
26, E-Mail Address:				otate	17			0150			-
27. Telephone Numbe	er			. Extensio	n or Code		29. Fa	ax Number (if	applicable)		
(830) 221-2101							107	0)221-200			
30. Primary SIC Code	(4 digits)	31. Seconda	ary SIC Cod	e (4 digits)	32. Prima (5 or 6 digit		1	de 33		ary NA	AICS Code
1542	-			-	61111	5/			1110		
34. What is the Prima	ry Busir	ness of this ent	ity? (Pleas	e do not rep	eat the SIC	or NAICS	descr	iption.)			
Elementary School	ol										
Q	uestion	s 34 – 37 addre	ss geograp	hic location	n. Please	refer to	the in	structions fo	or applica	bility.	
35. Description to Physical Location:	920 1	L.F. West of	Bulverd	e Road a	nd E. Ar	nmanı	ı Ro	ad intersec	tion		
36. Nearest City			Co	ounty		-	Sta	ate		Near	est ZIP Code
Bulverde			C	omal			TZ	X		781	63
37. Latitude (N) In D	ecimal:	29.760072	2		38. Lo	- ngitude	(W)	In Decimal:	-98.4	6264	4
Degrees	Minutes		Seconds		Degrees		_	Minutes			Seconds
29	45		36.26		98			27			45.52
39. TCEQ Programs an updates may not be made. If y		mbers Check all P	rograms and w	nte in the perm	nits/registratio	n number:	s that w	ill be affected by t	the updates	submitte	ed on this form or the
Dam Safety		Districts		Edwards				Istrial Hazardou			funicipal Solid Waste
New Source Review -	Air	OSSF	[Petroleum	n Storage Ta	ink [PW:	S			ludge
Stormwater		Tille V – Air	[Tires			Use	ed Oil			Utilities
Voluntary Cleanup		Waste Water	[Wastew	ater Agricul	ure	Wa	ter Rights			Other:
<u>SECTION IV: P</u>	repai	er Inform	ation								
40. Name: Burt W	Vellma	inn, P.E.				41. Tit	e:	Project N	/lanage	r	
42. Telephone Number		43. Ext./Code	44. F	ax Number	r	45. E	Mail	Address			
(210) 698-5051		222	(21	0 <u>)</u> 698-5	085	bwe	llma	nn@moy-	ce.com		
SECTION V: A	uthor	ized Signa	ture								
46. By my signature b	elow, I	certify, to the l	best of my								
and that I have signatu	re autho	ority to submit	this form c	n behalt o	t the entit	y speci:	ned u	a Section II,	Field 9 a	nd/or	as required for the

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	Moy Civil Engineers	Job Title:	President	
Name(In Print):	Duane A. Moy, P.E.		Phone:	(210)698-5051
Signature:	Duane A may, PE.		Date:	8/4/08

updates to the ID numbers identified in field 39.

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