Texas Commission on Environmental Quality Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

Technical Review

- 1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
- 2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

- 3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.
- 4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a "Mid-Review Modification". Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ's Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ's San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity N	ame: Katheri	ne Stin	son M	S	2. Re	gulat	ed Entity No.:	RN102762739
3. Customer Name: N	lorthside ISD				4. Cu	istom	er No.: CN601	104169
5. Project Type: (Please circle/check one)	New	Mo	dificat	ion	Exter	ision	Exception	
6. Plan Type: (Please circle/check one)	WPAP CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	Non-r	esiden	tial		8. Sit	e (acres):	25.0
9. Application Fee:	\$6,500	10. P	ermai	nent H	BMP(s	s):	Jelly Fi	sh Filtration System
11. SCS (Linear Ft.):		12. A	ST/US	ST (N	o. Tan	ks):		
13. County:		14. W	aters	hed:				

Application Distribution

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

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

	Austin	Region	
County:	Hays	Travis	Williamson
Original (1 req.)			_
Region (1 req.)			-
County(ies)		<u></u>	- 1 <u>-</u>
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

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

	S	an Antonio Region			
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)			i		3
Region (1 req.)			II <u>2-2</u>		9 <u>—32</u>
County(ies)					
Groundwater Conservation District(s)	<u>X</u> Edwards Aquifer Authority Trinity-Glen Rose	Edwards Aquifer Authority	Kinney	EAA Medina	EAA Uvalde
City(ies) Jurisdiction	Castle Hills Fair Oaks Ranch Helotes Hill Country Village Hollywood Park San Antonio (SAWS) Shavano Park	Bulverde Fair Oaks Ranch Garden Ridge New Braunfels Schertz	NA	San Antonio ETJ (SAWS)	NA

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

Russell Rincon

Print Name of Customer/Authorized Agent

100 Signature of Customer/Authorized Agent

-

03/06/2015 Date

FOR TCEQ INTERNAL USE ONLY		
Date(s)Reviewed:	Date Adı	ministratively Complete:
Received From:	Correct I	Number of Copies:
Received By:	Distribut	tion Date:
EAPP File Number:	Complex	
Admin. Review(s) (No.):	No. AR I	Rounds:
Delinquent Fees (Y/N):	Review 7	Fime Spent:
Lat./Long. Verified:	SOS Cus	tomer Verification:
Agent Authorization Complete/Notarized (Y/N):	Fee	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):	Check:	Signed (Y/N):
Core Data Form Incomplete Nos.:		Less than 90 days old (Y/N):

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Russell Rincon, P.E.

Date: 03-04-2025

Signature of Customer/Agent:

Project Information

- 1. Regulated Entity Name: Katherine Stinson Middle School
- 2. County: BEXAR
- 3. Stream Basin: LEON CREEK
- 4. Groundwater Conservation District (If applicable): N/A
- 5. Edwards Aquifer Zone:

Recharge Zone

6. Plan Type:

\boxtimes	WPAP
	SCS
\boxtimes	Modification

AST
UST
Exception Request

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7. Customer (Applicant):

Contact Person: JACOB VILLARREAL Entity: NORTHSIDE ISD Mailing Address: 5900 EVERS ROAD City, State: SAN ANTONIO, TX Telephone: 210-397-1228 Email Address: _____

Zip: <u>78238</u> FAX: <u>210-257-1212</u>

8. Agent/Representative (If any):

Contact Person: <u>Russell Rincon</u> Entity: <u>Bain Medina Bain</u> Mailing Address: <u>7073 San Pedro Evenue</u> City, State: <u>San Antonio, Texas</u> Telephone: <u>210-494-7223 ext. 228</u> Email Address: <u>rrincon@bmbi.com</u>

Zip: <u>78216</u> FAX: <u>210-490-5120</u>

- 9. Project Location:
 - The project site is located inside the city limits of <u>SAN ANTONIO</u>.
 - The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
 - The project site is not located within any city's limits or ETJ.
- 10. The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.
 - Katherine Stinson Middle School is located at 13200 Skyhawk Dr, San Antonio, TX 78249. It is situated off Babcock Road, near the intersection with Prue Road in the northwestern part of the city. The school is positioned north of Huebner Road and south of Loop 1604.
 - The campus is adjacent to residential neighborhoods and is near O.P. Schnabel Park. The entrance to the school is on Skyhawk Drive, which connects directly to Babcock Road. The school grounds include a main building, athletic fields, and parking areas visible from the surrounding streets.
- 11. Attachment A Road Map. A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.
- 12. Attachment B USGS / Edwards Recharge Zone Map. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:
 - Project site boundaries.
 - USGS Quadrangle Name(s).
 - Boundaries of the Recharge Zone (and Transition Zone, if applicable).

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

13. The TCEQ must be able to inspect the project site or the application will be returned. Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

 \boxed{X} Survey staking will be completed by this date: $\frac{O3-17}{-2O25}$

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

Prohibited Activities

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

- (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.
- 17. I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:
 - (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
 - (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and
 - (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

- 18. The fee for the plan(s) is based on:
 - For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
 - For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
 - For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
 - A request for an exception to any substantive portion of the regulations related to the protection of water quality.
 - A request for an extension to a previously approved plan.
- 19. Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:
 - TCEQ cashier
 - Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
 - San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)
- 20. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- 21. No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

Supplemental Attachments for

TCEQ F-0587 General Information Form

Katherine Stinson Middle School

Table of Attachments:

Attachment A: Attachment B: Attachment C: Road Map USGS/ Edwards Recharge Zone Map Project Description

ATTACHMENT A | Road Map



Note: Image taken from Google Maps



ATTACHMENT C | Project Description

Project Description

The proposed project includes construction of a new middle school magnet addition at Katherine Stinson Middle School. The project will include the removal of the administrative suite and construct a new administrative suite. construction of new outdoor eating area, and reconstruction of existing ALE classrooms. (approximately 10541 SF increase of impervious cover.)

Area of Site:

Total disturbed area of the project site is 2.9 acres. Total area of property is 25.0 acres.

Offsite Areas:

There will be no offsite construction associated with this project.

Impervious Cover:

Post-development impervious cover is calculated to be 7.85 acres or 58.15% of the subdivided area.

Permanent BMP(s):

Post development permanent BMPs will include Jellyfish Filter. Plans for the jellyfish filter is included within the Water Pollution Abatement Plan (WPAP) Application to TCEQ.

Proposed Site Use:

Katherine Stinson Middle School will continue to function as an education facility as per its original intent.

Site History and Previous Development:

The site was originally developed in 1990 as a middle school within Northside Independent School District. It has functioned as such for the past 30 years. A portion of the existing building is proposed to be reconstructed with this project, but its overall function will remain the same.

Areas to be Demolished:

The demolition plan for this site includes removal of admin suite, concrete flatwork, curb and gutter, fencing, and existing asphalt pavement (not base layer).

GEOLOGIC ASSESSMENT (MPAP)

<u>STINSON MIDDLE SCHOOL TRACT</u> <u>13200 SKYHAWK DRIVE</u> <u>SAN ANTONIO, TEXAS</u>

FROST GEOSCIENCES, INC. PROJECT NO.: FGS-E18115 FEBRUARY 12, 2018

Prepared exclusively for

Moy Tarin Ramirez Engineers, LLC 12770 Cimarron Path San Antonio, Texas 78249



Geotechnical - Construction Materials Geologic - Environmental



Frost Geosciences, Inc. 13402 Western Oak Helotes, Texas 78023 Office (210)-372-1315 Fax (210)-372-1318 www.frostgeosciences.com TBPE Firm Registration # F-9227 TBPG Firm Registration # 50040

February 12, 2018

Moy Tarin Ramirez Engineers, LLC 12770 Cimarron Path San Antonio, Texas 78249

Attn: Mr. Sean Smith, P.E.

SUBJECT:

Geologic Assessment (WPAP) for the Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone Stinson Middle School Tract 13200 Skyhawk Drive San Antonio, Texas FGS Project Nº FGS-E18115

Dear Mr. Sean Smith, P.E.:

Frost GeoSciences, Inc., (FGS) is pleased to submit the enclosed Geologic Assessment completed for the above referenced project site as it relates to 30 TAC §213.5(b)(3), effective June 1, 1999. Our investigation was conducted, and this report was prepared in general accordance with the "Instructions to Geologists", TCEQ-0585-Instructions (Rev. 10-1-04).

If you have any questions regarding this report, or if Frost GeoSciences, Inc. may be of additional assistance to you on this project, please feel free to call our office. It has been a pleasure to work with you and we wish to thank you for the opportunity to be of service to you on this project. We look forward to being of continued service.

We appreciate the opportunity to perform these services for Moy Tarin Ramirez Engineers, LLC. Please contact the undersigned if you have questions regarding this report.

Respectfully submitted, Frost GeoSciences, Inc.

(2)

(1)

Michael McMahan, G.I.T. Project Manager

Copies Submitted:

Christopher Wickman Geology 10403 Chris Wickman, P.G. Senior Geologist

Mr. Sean Smith, P.E.; Moy Tarin Ramirez Engineers, LLC Electronic (pdf) Copy

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Frost GeoSciences

Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), Effective June 1, 1999

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

07

EST

Christopher Wickman Geology 10403

Print Name of Geologist: Chris Wickman, PG

Telephone: (210) 372-1315

Date: February 12, 2018

Fax: (210) 372-1318 Representing: Frost GeoSciences, Inc. TBPG Registration #50040 (Name of Company and TBPG

> AST UST

or TBPE registration number)

Signature of Geologist:

Regulated Entity Name: Stinson Middle School Tract

Project Information

- 1. Date(s) Geologic Assessment was performed: February 9, 2018
- 2. Type of Project:

WPAP 🛛 SCS

3. Location of Project:

Recharge Zone

Transition Zone

Contributing Zone within the Transition Zone

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Geotechnical • Construction Materials • Geologic • Environmental

FGS Project Nº FGS-E18115

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

Soil Name	Group*	Thickness(feet)
Crawford clay	D	0-2
Crawford and Bexar stony soils	D	0-1
Krum complex	D	0-2

Table 1 - Soil Units, Infiltration **Characteristics and Thickness**

* Soil Group Definitions (Abbreviated)

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

Applicant's Site Plan Scale: 1" = 50" Site Geologic Map Scale: 1" = 50' Site Soils Map Scale (if more than 1 soil type): 1" = 300'

9. Method of collecting positional data:

Global Positioning System (GPS) technology.

- Other method(s). Please describe method of data collection: 2016 Aerial Photograph
- 10. 🔀 The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
- 11. 🔀 Surface geologic units are shown and labeled on the Site Geologic Map.

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12. Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.

Geologic or manmade features were not discovered on the project site during the field investigation.

13. X The Recharge Zone boundary is shown and labeled, if appropriate.

14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.

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

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

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

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

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

Administrative Information

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

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STRATIGRAPHIC COLUMN

[Hydrogeologic subdivisions modified from Maclay and Small (1976); groups, formations, and members modified from Rose (1972); lithology modified from Dunham (1962); and porosity type modified from Choquette and Pray (1970). CU, confining unit; AQ, aquifer]

•	lydr sut	rogeolog odivisio	gic n		fo or	Group, rmation, member	Hydro- logic function	Thickness (feet)	Lithology	Field identification	Cavern development	Porosity/ permeability type
-	9	Uppo	er ing	Eag	le Fo	ord Group	CU	30 - 50	Brown, flaggy shale and argillaceous limestone	Thin flagstones; petroliferous	None	Primary porosity lost/ low permeability
	r Cretacco	unit	s	Bud	a Li	mestone	CU	40 – 50	Buff, light gray, dense mudstone	Porcelaneous limestone with calcite-filled veins	Minor surface karst	Low porosity/low permeability
	oddin			Del	Rio	Clay	CU	40 - 50	Blue-green to yellow-brown clay	Fossiliferous; Ilymatogyra arietina	None	None/primary upper confining unit
	1	1		Geo Fo	rgeto	own tion	Karst AQ; not karst CU	2 – 20	Reddish-brown, gray to light tan marly limestone	Marker fossil; <i>Waconella</i> wacoensis	None	Low porosity/low permeability
	1	11			F	Cyclic and marine members, undivided	ΛQ	80 - 90	Mudstone to packstone: miliolid grainstone; chert	Thin graded cycles; massive beds to relatively thin beds; crossbeds	Many subsurface; might be associated with carlier karst development	Laterally extensive: both fabric and not fabric/water-yielding
		111			Person Formation	Leached and collapsed members, undivided	AQ	70 90	Crystalline limestone; mudstone to grainstone; chert; collapsed breccia	Bioturbated iron- stained beds separated by massive limestone beds; stromatolitie limestone	Extensive lateral development; large rooms	Majority not fabric/one of the most permeable
	su	IV	s aquifer	Group		Regional dense member	CU	20 - 24	Dense, argillaceous mudstone	Wispy iron-oxide stains	Very few; only vertical fracture enlargement	Not fabric/low permeability; vertical barrier
	er Cretaceo	v	Edward	Edwards 0		Grainstone member	AQ	50-60	Miliolid grainstone; mudstone to wackestone; chert	White crossbedded grainstone	Few	Not fabric/ recrystallization reduces permeability
	Lowe	VI			ation	Kirschberg evaporite member	AQ	50 - 60	Highly altered crystalline limestone; chalky mudstone; chert	Boxwork voids, with neospar and travertine frame	Probably extensive cave development	Majority fabric/one of the most permeable
		VII			ainer Form	Dolomitic member	AQ	110 - 130	Mudstone to grainstone; crystalline limestone; chert	Massively bedded light gray, <i>Toucasia</i> abundant	Caves related to structure or bedding planes	Mostly not fabric; some bedding plane- fabric/water-yielding
		VIII			N.	Basal nodular member	Karst AQ; not karst CU	50 - 60	Shaly, nodular limestone; mudstone and <i>miliolid</i> grainstone	Massive, nodular and mottled, Exogyra texana	Large lateral caves at surface; a few caves near Cibolo Creek	Fabric; stratigraphically controlled/large conduit flow at surface; no permeability in subsurface
		Low confin un	ver ning it	Upj G Li	len l imes	nember of the Rose tone	CU; evaporite beds AQ	350 - 500	Yellowish tan, thinly bedded limestone and marl	Stair-step topography; alternating limestone and marl	Some surface cave development	Some water production at evaporite beds/relatively impermeable

									MOOLOG						FR	ost Ge	posci	ence	N	
PROJECT N	AME: Stinson	Middle School	Tract						PRO.	JECT N	IUMBER	EGS-I	E1811	10						
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S-4	29°33'50.55"	-98° 39' 00.75"	MB	30	Kbu	4	4	~				а		5	35	35	YES		HILLSIDE	
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LOCATION

The majority of project site is currently improved with Katherine Stinson Middle School and is located along and east of Skyhawk Drive approximately 400 feet north of the intersection of Skyhawk Drive and Bamberger Trail in San Antonio, Texas. An overall view of the area is shown on copies of the site plan, a street map, the U.S.G.S. Topographic Map, the Bexar County Watersheds Map, the EAA-Edwards Aquifer Recharge Zone and Contributing Zone Map, the FIRM Map, the U.S. Geological Survey Water Resources Investigations 95-4030 Map, the Bureau of Economic Geology: Geologic Map of the New Braunfels, Texas 30 X 60 Minute Quadrangle, a 2016 aerial photograph at a scale of 1"=500', a 2016 aerial photograph at a scale of 1"=200', and an aerial photograph obtained from the NRCS Web Soil Survey website at an approximate scale of 1"=300' and are included on Figures 1 through 10 in Appendix A.

METHODOLOGY

The Geologic Assessment was performed by Mr. Chris Wickman, P.G., Senior Geologist and Mr. Michael McMahan, G.I.T. with Frost GeoSciences, Inc. Mr. Wickman is a Licensed Professional Geoscientist in the State of Texas (License # 10403).

Frost GeoSciences, Inc. researched the geology of the area north of the intersection of Skyhawk Drive and Bamberger Trail. The research included, but was not limited to, the Geologic Atlas of Texas, San Antonio Sheet, FEMA maps, Edwards Aquifer Recharge Zone Maps, U.S.G.S. 7.5 Minute Quadrangle Maps, the Bureau of Economic Geology-Geologic Atlas of Texas, the Geologic Map of the New Braunfels, Texas 30 X 60 Minute Quadrangle, the U.S.G.S. Water-Resources Investigations Report 95-4030, the NRCS Web Soil Survey website and the U.S.D.A. Soil Survey of Bexar County, Texas.

After reviewing the available information, a field investigation was performed to identify any geologic or man-made Potential Recharge Features (PRFs). A transect spacing of approximately 50 feet, or less depending on vegetation thickness, was used to inspect the project area. A 2016 aerial photograph, in conjunction with a hand held Garmin GPS 72H Global Positioning System with an Estimated Potential Error ranging from 10 to 14 feet, was used to navigate around the property and identify the locations of PRFs, as recommended in the "Instructions to Geologists", TCEQ-0585-Instructions (Rev. 10-1-04). The Site Geologic Map, indicating the limits of the project site, and the locations of PRFs and rock outcrops noted on the project site, is included in Appendix C. A copy of a 2016 Aerial Photograph at an approximate scale of 1"=200' indicating the limits of the project site, and the locations of PRFs and rock outcrops noted on the project site, is included on Figure 10 in Appendix A. The Geologic Assessment Form TCEQ-0585, (Rev. 2-11-15), Stratigraphic Column, and the Geologic Assessment Table have been filled with the appropriate information for this project site and are included on pages 1-5 of this report.

RESEARCH & OBSERVATIONS

7.5 Minute Quadrangle Map Review

According to the U.S.G.S. 7.5 Minute Quadrangle Map, Helotes, Texas Sheet (1992), the elevation across the project site ranges from approximately 945 to 950 feet above mean sea level. The project site has a total relief of approximately 5 feet. Runoff from the project site flows to the south into French Creek. The topographic map depicts the project site as undeveloped land. An unimproved road is indicated immediately north of the project site. Skyhawk Drive is located along the western property line of the project site. The intersection of Skyhawk Drive and FM 1604 is located north of the project site. A copy of the U.S.G.S. 7.5 Minute Quadrangle Map indicating the location of the project site is included on Figure 3 in Appendix A. According to the Bexar County Watersheds Map (2003), the project site is located within the Upper Salado Creek Watershed Area. A copy of the Bexar County Watersheds Map indicating the location of the project site is included on Figure 4 in Appendix A.

Recharge/Transition Zone

According to the E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map, Helotes, Texas (2014), the Official Edwards Aquifer Recharge Zone Map, Helotes, Texas Sheet (1992), and Edwards Underground Water District Reference Map, (March 1988), the project site is located within the Recharge Zone of the Edwards Aquifer. A copy of the E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map indicating the location of the project site is included on Figure 5 in Appendix Α.

100-Year Floodplain

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for the Flood Insurance Map, Community Panel Number 48029C0210F, dated September 29, 2010 was reviewed to determine if the project site is located in areas prone to flooding. A review of the above mentioned Panel No. indicates that the project site is located within "Zone X". According to the Panel Legend, Zone X represents areas determined to be outside the 0.2% annual chance floodplain. A copy of the above referenced FIRM panel indicating the location of the project site is included on Figure 6 in Appendix A.

Soils

According to the United States Department of Agriculture, Soil Conservation Service, Soil Survey of Bexar County, Texas, issued (1966), the project site is located on the Crawford clay (Ca) and Crawford and Bexar stony soils (Cb) with a small area of Krum complex (Kr) occurring in the southeastern corner of the project site. An aerial photograph obtained from the NRCS Web Soil Survey website (approximate scale: 1"=300') indicating the location of the project site and the soil types is included on Figure 7 in Appendix A.

Crawford Clay (0 to 1 slopes) (Ca) is typically found in uplands areas, with a few rare occurrences of this soil in valley areas. The surface layer is dark brown or dark reddish brown, non-calcareous, and 8-10" thick. Wide cracks form in this soil when it dries. The

subsurface layers are also clay and non-calcareous. The subsurface soils are more red than the surface soils. During dry times, cracks from the surface layer me extend downward into the subsurface layer. Limestone commonly occurs at a depth of approximately 24-36". However, a few areas may have a few inches of limey clay on top of the limestone. Water intake in this soil is slow and water erosion is a hazard. Plowpans are likely to form. This soil has a USDA Texture Classification of clay. The Unified Classification is MH-CH. The AASHO Classification is A-7. This soil has an average permeability from 0.2 to 0.5 inches/hour.

- The Crawford and Bexar Stony Soils (Cb) are very dark grayish brown to reddish brown clay. They are stony clay in texture and are shallow to moderately deep over hard limestone. These soils are extensive in the northern part of the county. The surface layer is noncalcareous, about 8 inches thick, and very dark grayish brown or very dark brown. It has fine, subangular blocky and granular structure. When moist, this layer is very firm but breaks easily to a mass of fine clods. When dry, is very hard and contains many large cracks. Angular fragments of chert and limestone are common. These fragments may range in size from a quarter of an inch to 24 inches in diameter. The subsurface layer is dense, angular blocky clay. This layer is neutral or slightly acidic, but it may be limy in the lower parts. It is about 26 inches thick and either overlies a thin layer of yellowish red to pale brown, limy clay or, if the limy layer is lacking, rests on hard, fractured limestone. Internal drainage and permeability vary Crawford soils are naturally well drained. according to moisture content. Water moves rapidly when the soil is dry and cracked, but very slowly when the soil is wet. This soil has a USDA Texture Classification of Cherty Clay Loam to Loam. The Unified Classification is CG or CL. The AASHO Classification is A-2, A-4, or A-6. This soil has an average permeability from 1.0 to 1.5 inches/hour.
- Krum Complex (2 to 5 percent slopes) (Kr) consists of all the soils in the long, narrow valleys in the limestone areas of the northern and northwestern parts of the county. These soils occupy foot slopes below Tarrant and Brackett soils. The Krum soils are deep clayey soils that are moderately deep, dark colored and gently sloping to sloping. The soil developed from slope alluvium of the limestone prairies. The surface layer is dark grayish brown or very dark grayish brown, calcareous and about 30 inches thick. It is weak to moderate, fine, granular structure to the depth normally plowed. Below that depth, the structure is strong, fine granular. This layer is friable when moist and is easily worked. The subsurface layer is brown or yellowish brown, calcareous clay about 14 inches thick. It has strong, medium, granular structure. The underlying material is white to yellowish brown, strongly calcareous silty clay. It contains scattered, subrounded fragments of limestone and soft concretions of lime carbonate. Krum soils are naturally well-drained. Permeability is moderate and the capacity to hold water is good. Water erosion is a hazard. This soil has a USDA Texture Classification of clay. The Unified

FGS Project № FGS-E18115



Classification is CH. The AASHO Classification is A-7. This soil has an average permeability from 0.8 to 1.0 inches/hour.

Narrative Description of the Site Geology

Based on a visual inspection of the ground surface, the overall potential for fluid flow from the project site into the Edwards Aquifer appears to be low. The locations of the PRFs are identified on the 2016 aerial photograph on Figure 10 in Appendix A, and on the Site Geologic Map provided in Appendix C. Color photos of the project site and some of the PRFs are included in Appendix B.

PRF #S-1 is a fault identified on the USGS WRI Map. The fault is depicted crossing through the southeastern corner of the project site. The fault is the contact between the Edwards Person limestone (Kep) to the north and the Del Rio Clay (Kdr) to the south. Additionally, the Bureau of Economic Geology, Geologic Map of the New Braunfels 30 X 60 Minute Quadrangle prepared by Collins indicated an inferred fault was located in an equivalent position as the fault indicated by the USGS WRI geologic map. However, due to the absence of surface outcrops, thick soil and vegetative cover in this portion of the Site, visual indications of the fault were not observed at the project site during the site reconnaissance. Frost GeoSciences, Inc. rates the relative infiltration of the fault as low on figure 1 of the TCEQ-0585-Instructions (Rev. 10-01-04). The feature scores a 30 on the sensitivity scale, column 10 in the Geologic Assessment Table on page 5 of this report. Frost GeoSciences, Inc. does not consider the fault to be sensitive.

PRF #S-2 is a manmade feature in bedrock. This PRF is a sanitary sewer manhole associated with City of San Antonio sanitary sewer line servicing the Katherine Stinson Middle School and the adjacent facilities. Frost GeoSciences, Inc. rates the relative infiltration of the feature as low on figure 1 of the TCEQ-0585-Instructions (Rev. 10-01-04). The feature scores a 35 on the sensitivity scale, column 10 in the Geologic Assessment Table on page 5 of this report. Frost GeoSciences, Inc. does not consider this manmade feature to be sensitive.

PRF #S-3 is a manmade feature in bedrock. This PRF is two sanitary sewer manholes associated with an apparent grease trap connected to the City of San Antonio sanitary sewer line servicing the Katherine Stinson Middle School. Frost GeoSciences, Inc. rates the relative infiltration of the feature as low on figure 1 of the TCEQ-0585-Instructions (Rev. 10-01-04). The feature scores a 35 on the sensitivity scale, column 10 in the Geologic Assessment Table on page 5 of this report. Frost GeoSciences, Inc. does not consider this manmade feature to be sensitive.

PRF #S-4 is a manmade feature in bedrock. This PRF appears to be a utility vault associated with the Katherine Stinson Middle School. The vault was closed at the ground surface. The vault cover was approximately 4 feet wide and 4 feet long. Frost GeoSciences, Inc. was not able access the vault at the time of the site inspection, so the depth of the vault was not determined. Frost GeoSciences, Inc. rates the relative infiltration of the feature as low on figure 1 of the TCEQ-0585-Instructions (Rev. 10-01-04). The feature scores a 35 on the sensitivity scale, column 10 in the Geologic Assessment Table on page 5 of this report. Frost GeoSciences, Inc. does not consider this manmade feature to be sensitive.

PRF #S-5 is a manmade feature in bedrock. This PRF appears to be a utility vault associated with the Katherine Stinson Middle School. The vault was closed at the ground surface. The vault cover was a concrete slab placed over the utility vault opening. The vault cover was approximately 6 feet wide and 7 feet long. Frost GeoSciences, Inc. was not able access the vault at the time of the site inspection, so the depth of the vault was not determined. Frost GeoSciences, Inc. rates the relative infiltration of the feature as low on figure 1 of the TCEQ-0585-Instructions (Rev. 10-01-04). The feature scores a 35 on the sensitivity scale, column 10 in the Geologic Assessment Table on page 5 of this report. Frost GeoSciences, Inc. does not consider this manmade feature to be sensitive.

The majority of the project site had been improved with the Katherine Stinson Middle School building and associated asphalt paved parking areas, driveways and sports courts. The remaining areas were covered with well-maintained landscaped grassy areas. Site visit photos indicating the condition of the property at the time of the on-site inspection are included in Appendix B. Overall vegetation on the project site consisted of a few live oak *(Quercus virginiana)* and landscaped lawns. The variations in the vegetative cover on the property are visible in the 2016 aerial photo on Figures 9 and 10 in Appendix A. A copy of the site layout indicating the boundary of the project site and the elevations is included on the Site Geologic Map in Appendix C of this report.

According to the U.S. Geological Survey Water Resources Investigations (WRI) 95-4030, the project site is located on the Cyclic and Marine Members, undivided of the Cretaceous Edwards Person Limestone (Kep), as well a small area of Cretaceous Del Rio clay (Kdr) occurring in the southeastern corner of the of the project site. A fault was identified on the USGS WRI. The fault is depicted crossing through the southeastern corner of the project site. The fault is the contact between the Edwards Person limestone (Kep) to the north and the Del Rio Clay (Kdr) to the south. The majority of the project site had been improved with the Katherine Stinson Middle School building and associated asphalt paved parking areas, driveways and sports courts. The remaining areas were covered with well-maintained landscaped grassy areas. A detailed inspection of the ground surface of the project site revealed minimal rock outcrops. An inspection of the drainage channel crossing the eastern portion of the project site revealed small areas of exposed Buda Limestone within the channel. Minor amounts of Buda Limestone float were noted around the site. No obvious evidence of native Edwards Limestone was observed on the site. No evidence of faults was noted on the site.

Additionally, a review of the Bureau of Economic Geology, Geologic Map of the New Braunfels 30 X 60 Minute Quadrangle prepared by. Collins indicated the project site was underlain by the Del Rio clay. This map also indicated an inferred fault was located in an equivalent position as the fault indicated by the USGS WRI geologic map. However, as stated above, the few exposed outcrops observed on the project site appeared to be Buda Limestone.

Copies of the U.S. Geological Survey Water Resources Investigations (WRI) 95-4030 map and the Bureau of Economic Geology, Geologic Map of the New Braunfels 30 X 60 Minute Quadrangle (Collins) are included on Figure 8 in Appendix A. A copy of the Stratigraphic Column highlighting the outcropping formations indicated by the USGS WRI Map is included on Page 3 of this report.

The Buda Limestone (Kbu) is a light gray to pale orange, fine grained, hard, massive, bioclastic limestone. This limestone is poorly bedded to nodular in the lower section and thinner bedded and argillaceous near the upper contact. It commonly contains glauconitic and pyritiferous zones, and burrows filled with chalky marl. Pelecypods are abundant throughout the section. The Buda Limestone weathers to dark gray or brown. Overall thickness ranges from 60 to 100 feet.

The Cyclic and Marine Member of the Cretaceous Edwards Person Limestone consists of mudstone to packstone and miliolid grainstone with chert. The member is characterized by massive beds of limestone to relatively thin beds of limestone with some crossbedding. The Cyclic and Marine Member forms a few caves some that are laterally extensive. Overall thickness ranges from 80 to 90 feet thick.

The Del Rio Clay is a calcareous and gypsiferous, blocky medium gray clay. Typically this formation becomes less calcareous and more gypsiferous near the upper contact. Often contains thin lenticular beds of highly calcareous siltstone. Pyrite nodules are common. Marine megafossils include abundant Exogyra arientina and other pelecypods. The Del Rio Clay weathers to light gray or yellowish gray. Overall thickness ranges from 60 to 120 feet.

According to the site plan provided by Moy Tarin Ramirez Engineers, LLC, the surveyed elevations on the project site range from 936 to 950 feet. According to this survey, the total relief on the project site is approximately 14 feet. A copy of the site plan indicating the boundary of the project site and the elevations is included on the Site Plan on Figure 1 in Appendix A and the Site Geologic Map in Appendix C of this report.

BEST MANAGEMENT PRACTICES

Based on a visual inspection of the ground surface, the overall potential for fluid flow from the project site into the Edwards Aquifer appears to range from low to moderate. The potential always exists to encounter solution cavities within the subsurface during excavating activities. Frost GeoSciences, Inc. is of the opinion that it is very important for construction personnel to be informed of the potential to encounter cavities in the subsurface that lack a surface expression. Construction personnel should also be informed of the proper protocol to follow in the event a karst feature is encountered during the development of the project site.

DISCLAIMER

This report has been prepared in general accordance with the "Instructions to Geologists", TCEQ-0585-Instructions (Rev. 10-1-04) by a Licensed Texas Professional Geoscientist. All areas of the project site were carefully inspected for features that could contribute to the recharge of the Edwards Aquifer; however, this survey cannot preclude the presence of subsurface karst features that lack surface expression. This report is not intended to be a definitive investigation of all possible geologic or karst features at this site. All conclusions, opinions, and recommendations for Best

Management Practices (BMP's) in this report are based on information obtained while researching the project and on the site conditions at the time of our field investigation.

This report has been prepared for the exclusive use of Moy Tarin Ramirez Engineers, LLC. This report is based on available known records, a visual inspection of the project site, and the work generally accepted for a Geologic Assessment for Regulated Activities / Developments on the Edwards Aquifer Recharge / Transition Zone, relating to 30 TAC §213.5(b)(3), effective June 1, 1999.

REFERENCES

- 1. USGS 7.5 Minute Topographic Quadrangle of Helotes, Texas, 1992
- 2. E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map, Helotes, Texas (2014).
- 3. Official Edwards Aquifer Recharge Zone Map, Helotes, Texas, 1992.
- 4. Edwards Underground Water District Reference Map, March 1988.
- 5. Stein, W.G. and Ozuna, G.B., 1995, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas, U.S. Geological Survey Water Resources Investigations 95-4030.
- 6. Barnes, V.L., 1983, Geologic Atlas of Texas Sheet, Bureau of Economic Geology and University of Texas at Austin, Geologic Atlas of Texas.
- 7. Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, Community Panel Number 48029C0210F, dated September 29, 2010.
- 8. United States Department of Agriculture Soil Conservation Service Soil Survey of Bexar County 1962.
- 9. TCEQ-0585-Instructions (Rev. 10-1-04), "Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zone".
- 10. Collins, Edward, W., 2000, Geologic Map of the New Braunfels 30 X 60 Minute Quadrangle, Bureau of Economic Geology, The University of Texas at Austin, Texas.
- 11. San Antonio Water Systems, Bexar County Watersheds Map, 2004.

APPENDIX A

SITE LOCATION FIGURES

FGS Project № FGS-E18115







Figure 3



FIGURE 4



FIGURE 5







FIGURE 8


Geologic Site Assessment (WPAP) for Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone Stinson Middle School Tract San Antonio, Texas Bureau of Economic Geology Geologic Map of the New Braunfels, Texas 30 X 60 Minute Quadrangle (2000)

DATE:

PROJECT NO.: FGS-E18115

February 12, 2018

Geotechnical • Construction Materials • Geologic • Environmental

FIGURE 8A



San Antonio, Texas Geotechnical • Construction Materials • Geologic • Environmental February 12, 2018

FIGURE 9



Geotechnical • Construction Materials • Geologic • Environmental

APPENDIX B

SITE PHOTOGRAPHS



School building located on the western portion of west of the Stinson MS building. the project site.



Photo #1 – View of the Katherine Stinson Middle Photo #2 – View of the asphalt paved parking area



southwestern portion of the project site.

Photo #3 - View of PRF #2 observed in the Photo #4 - View to the east across the southwestern portion of the project site.



Building Maintenance parking area, adjacent to the parking area to the adjacent south of the Stinson southern side of the Stinson MS building.

Photo #5 - View of PRF #S-3 observed within the Photo #6 - View of the Building Maintenance MS building.



Stinson MS building.

Photo #7 - View of the southwestern corner of the Photo #8 - View of asphalt paved basketball and tennis courts observed in the southern portion of the project site.



southern portion of the project site.



Photo #9 - View to the northwest across the Photo #10 - View to the northeast across the southeastern portion of the project site.



portion of the project site.



Photo #11 - View to the north across the eastern Photo #12 - View to the west across the northeastern portion of the project site.

1.1

Photo #13 - View to the southwest across the Photo #14 - View of an improved drainage path central portion of the project site.



Frost GeoSciences

observed crossing the eastern portion of the project site.



of the west side of the Stinson MS building.

Photo #15 - View of PRF #S-4 observed adjacent Photo #16 - View of the area immediately north of PRF #S-4.



of the west side of the Stinson MS building.



Photo #17 - View of PRF #S-5 observed adjacent Photo #18 - View of the area immediately east of PRF #S-5.

APPENDIX C

SITE GEOLOGIC MAP



Geotechnical • Construction Materials Environmental & Geologic Consulting

13402 Western Oak Dr. • Helotes, Texas 78023 Phone: 210-372-1315 • Fax 210-372-1318

Site Geologic Map

Geologic Site Assessment (WPAP) for Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone for the

Stinson Middle School Tract San Antonio, Texas

Frost GeoSciences, Inc. Control # FGS-18115

Legend

Fill	~	Fill Material
Qal	-	Alluvium
Kau	-	Austin Chalk
Kef	-	Eagle Ford Shale
Kbu	-	Buda Limestone
Kdr	~	Del Rio Clay
Kgt	-	Georgetown Limestone
Kek	-	Edwards Kainer Limestone
Кер	-	Edwards Person Limestone
Kgr	-	Glen Rose Formation
S-#	~	Potential Recharge Feature (PRF)
	-	Formation Contact
 	~	100-Year Floodplain - Zone A
 	-	100-Year Floodplain - Zone AE
 	-	Other Flood Hazard Area - Zone X (shaded)
	~	Fault
	-	Inferred Fault

Floodplain Information Obtained From FIRM: Flood Insurance Rate Map Bexar County, Texas: Panel # 48029C0210G, Revised 9/29/2010

Fault Information Obtained From:

Bureau of Economic Geology, Geologic Atlas of Texas, San Antonto Spect (1983) U.S. Geological Survey, Water Resources Investigations Report Geologic Map of the New Braunfels, Texas 30 X 60 Minute Quadrangle (2000)





(In Feet) 1 inch = 50 feet Representative Fraction 1:600

Contour Interval - 1 foot

Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Transition Zone and Relating to 30 TAC 213.4(j), Effective June 1, 1999

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This request for a **Modification of a Previously Approved Plan** is hereby submitted for TCEQ review and executive director approval. The request was prepared by: Print Name of Customer/Agent: <u>Russell Rincon</u>

Date: 03/04/2025 Signature of Customer/Agent:

Project Information

 Current Regulated Entity Name: <u>Katherine Stinson Middle School</u> Original Regulated Entity Name: <u>Katherine Stinson Middle School</u> Regulated Entity Number(s) (RN): <u>102762739</u>
 Edwards Aguifer Protection Program ID Number(s): <u>13 80111401</u>

Edwards Aquifer Protection Program ID Number(s): <u>13-89111401</u>

The applicant has not changed and the Customer Number (CN) is: <u>CN601104169</u>

The applicant or Regulated Entity has changed. A new Core Data Form has been provided.

2. Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.

- 3. A modification of a previously approved plan is requested for (check all that apply):
 - Physical or operational modification of any water pollution abatement structure(s) including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;
 - Change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
 - Development of land previously identified as undeveloped in the original water pollution abatement plan;

Physical modification of the approved organized sewage collection system;

Physical modification of the approved underground storage tank system;

Physical modification of the approved aboveground storage tank system.

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

WPAP Modification	Approved Project	Proposed Modification
Summary		
Acres	<u>25.0</u>	25.0
Type of Development	<u>Commercial</u>	Commercial
Number of Residential	<u>0</u>	<u>0</u>
Lots		
Impervious Cover (acres)	<u>7.51</u>	<u>7.75</u>
Impervious Cover (%	<u>30.05</u>	<u>31.0</u>
Permanent BMPs	Pond/Vegetative Strip	Jelly Fish Filtration System
Other		
SCS Modification	Approved Project	Proposed Modification
Summary		
Linear Feet	<u>N/A</u>	<u>N/A</u>
Pipe Diameter		
Other		4 11 - 1961 - C

AST Modification	Approved Project	Proposed Modification
Summary		
Number of ASTs	<u>N/A</u>	<u>N/A</u>
Volume of ASTs		
Other		
UST Modification	Approved Project	Proposed Modification
UST Modification Summary	Approved Project	Proposed Modification
UST Modification Summary Number of USTs	Approved Project <u>N/A</u>	Proposed Modification
<i>UST Modification</i> <i>Summary</i> Number of USTs Volume of USTs	Approved Project <u>N/A</u>	Proposed Modification <u>N/A</u>

- 5. Attachment B: Narrative of Proposed Modification. A detailed narrative description of the nature of the proposed modification is attached. It discusses what was approved, including any previous modifications, and how this proposed modification will change the approved plan.
- 6. Attachment C: Current Site Plan of the Approved Project. A current site plan showing the existing site development (i.e., current site layout) at the time this application for modification is attached. A site plan detailing the changes proposed in the submitted modification is required elsewhere.
 - The approved construction has not commenced. The original approval letter and any subsequent modification approval letters are included as Attachment A to document that the approval has not expired.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was constructed as approved.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was **not** constructed as approved.
 - The approved construction has commenced and has **not** been completed.
 - Attachment C illustrates that, thus far, the site was constructed as approved.
 - The approved construction has commenced and has **not** been completed.
 - Attachment C illustrates that, thus far, the site was **not** constructed as approved.
- 7. The acreage of the approved plan has increased. A Geologic Assessment has been provided for the new acreage.
 - Acreage has not been added to or removed from the approved plan.
- 8. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

ATTACHMENT A | Original Approval Letter and Approved Modification Letters

Attached is the original approval letter dated December 11, 1989.





Jon Niermann, *Chairman* Emily Lindley, *Commissioner* Bobby Janecka, *Commissioner* Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 9, 2020

Mr. Jacob Villareal Northside ISD 5900 Evers Road San Antonio, TX 78238

Re: Edwards Aquifer, Bexar County

NAME OF PROJECT: Katherine Stinson Middle School; Located at 13200 Skyhawk Dr; San Antonio, Texas

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

Regulated Entity No. RN102762739; Additional ID No. 13001137

Dear Mr. Villareal:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP-MOD application for the above-referenced project submitted to the San Antonio Regional Office by CDS Muery on behalf of Northside ISD on May 27, 2020. Final review of the WPAP was completed after additional material was received on June 30, 2020, and July 8,2020. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

The original Northside Middle School WPAP was approved by letter dated December 11, 1989 and had a site area of 25 acres. The project included the development of a 135,000 square-foot middle school with a parking area, bus drive, four tennis courts, and five athletic fields. The impervious cover estimated after site completion was 7.5 acres (30 percent). The first WPAP modification approved by letter dated September 8, 1994 included the addition of up to fifteen (62 feet long by 24 feet wide) temporary classroom buildings. The number of temporary classroom buildings was expected to fluctuate with demand for space. The second WPAP

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Mr. Jacob Villareal Page 2 July 9, 2020

modification was approved by letter dated December 19, 1994 and it included the development of a 130-foot long by 20-foot wide asphalt paved fire lane. The grassed area adjacent to the fire lane was to remain vegetated to filter stormwater runoff.

A third WPAP modification was approved by letter dated September 26,2006 with a project area of 9.09 acres within the original 35-acre site. The project included construction throughout the site, regrading to reposition the existing ball fields, relocation of long jump runways, reconstruction of an existing sidewalk bridge and the construction of a concrete drainage swale to relieve existing drainage problems at the rear of the school. The impervious cover was approved to be 8.03 acres (32.12 percent). The additional impervious cover generated by this project (lining of existing drainage channel with concrete) was excepted from permanent pollution abatement measures.

A fourth WPAP modification was approved by letter dated May 24, 2018 with a project area of 18.925 acres. The project included the demolition of existing concrete flatwork, construction of a building addition and four portable buildings, construction of new concrete flatwork, and associated utilities and landscaping improvements. The project resulted in a net increase of 0.235 acres of impervious cover on the school campus. The new total impervious cover is currently 8.265 acres (43.67 percent).

PROJECT DESCRIPTION

The proposed school project will have an area of approximately 25 acres. It will include the regrading and re-sodding of the existing football field, drainage improvements, and the construction of a new emergency access drive to the field. The impervious cover proposed for this project is 0.01 acres, increasing the total impervious cover for the project to 8.276 acres (43.73 percent). No wastewater will be generated by this project.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a vegetative filter strip, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 9 pounds of TSS generated from the .01 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

GEOLOGY

An exception to submitting a geologic assessment was submitted with the application. The exception was granted since the proposed modification will be located within an existing developed site and the natural conditions of the site no longer exist. The site assessment conducted on June 25, 2020 revealed the site was generally as described in the application.

SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated December 11, 1989 and subsequent modifications dated September 8, 1994, December 19, 1994, September 26, 2006, and May 24, 2018.
- II. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.

Mr. Jacob Villareal Page 3 July 9, 2020

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

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

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The





Mr. Jacob Villareal Page 4 July 9, 2020

applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.

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

After Completion of Construction:

- 18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.
- 19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

Mr. Jacob Villareal Page 5 July 9, 2020

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

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Lorena Roque Martinez of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4026.

<u>Sincerely</u>

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

RCS/lrm

Enclosures: Deed Recordation Affidavit, Form TCEQ-0625

cc: Mr. Jake Posey, P.E., CDS Muery Ms. Renee Green, P.E., Bexar County Public Works Mr. Roland Ruiz, Edwards Aquifer Authority Mr. Scott Halty, San Antonio Water System





Bryan W. Shaw, Ph.D., P.E., *Chairman* Toby Baker, *Commissioner* Jon Niermann, *Commissioner* Stephanie Bergeron Perdue, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 24, 2018

Mr. Leroy San Miguel Northside Independent School District 5900 Evers Rd., Bldg. E San Antonio, Texas 78238

Re: Edwards Aquifer, Bexar County

NAME OF PROJECT: NISD Katherine Stinson Middle School; Located at 13200 Skyhawk Drive; San Antonio, Texas

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

Regulated Entity No. RN102762739; Additional ID No. 13000630

Dear Mr. San Miguel:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP modification application for the above-referenced project submitted to the San Antonio Regional Office by Moy Tarin Ramirez Engineers, LLC on behalf of Northside Independent School District on March 15, 2018. Final review of the WPAP modification was completed after additional material was received on May 11, 2018. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

The original Northside Middle School WPAP was approved by letter dated December 11, 1989, and had a site area of 25 acres. The project included the development of a 135,00 square-foot middle school with a parking area, bus drive, four tennis courts, and five athletic fields. The impervious cover estimated after site completion was 7.5 acres (30 percent). The first WPAP modification approved by letter dated September 8, 1994 included the addition of up to fifteen (62 feet long by 24 feet wide) temporary classroom buildings. The number of temporary classroom buildings were expected to fluctuate with demand for space. The second WPAP

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modification was approved by letter dated December 19, 1994 and it included the development of a 130-foot long by 20-foot wide asphalt paved fire lane. The grassed area adjacent to the fire lane was to remain vegetated to filter stormwater runoff.

A third WPAP modification was approved by letter dated September 26, 2006 with a project area of 9.09 acres within the original 25-acre site. The project included construction throughout the site, regrading to reposition the existing ball fields, relocation of site long jump runways, reconstruction of an existing sidewalk bridge and the construction of a concrete drainage swale to relieve existing drainage problems at the rear of the school. The impervious cover was approved to be 0.07 acres. The new impervious cover for the entire site was approved to be 8.03 acres (32.12 percent). The additional impervious cover generated by this project (lining of existing drainage channel with concrete) was excepted from permanent pollution abatement measures.

PROJECT DESCRIPTION

The proposed commercial project will update the school's site area to approximately 18.925 acres. The project will include the demolition of existing concrete flatwork, construction of a building addition and four portable buildings, construction of new concrete flatwork, and associated utilities and landscaping improvements. The project will result in a net increase of 0.235 acres of impervious cover on the school campus. The new total impervious cover will be 8.265 acres (43.67 percent). Project wastewater will be disposed of by conveyance to the existing Leon Creek Water Recycling Center owned by the San Antonio Water System.

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, five engineered vegetative filter strips, designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)</u>, will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 192 pounds of TSS generated from the 0.235 acres of new impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The five engineered vegetative filter strips will treat 192 pounds of TSS generated from 0.235 acres of impervious cover. They will have a uniform slope of less than 20 percent, will be a minimum of 15 feet wide (in the direction of flow), will be maintained with a vegetated cover of at least 80 percent or more, and will extend along the entire length of the contributing area.

GEOLOGY

According to the geologic assessment included with the application, the site is located on the Person Limestone, Del Rio Clay, and Buda Limestone. Eight non-sensitive features, one geologic and seven manmade, were identified by the project geologist. The San Antonio Regional Office site assessment conducted on April 25, 2018 revealed the site was generally as described in the geologic assessment.

SPECIAL CONDITIONS

I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated December 11, 1989, and subsequent modifications dated September 8, 1994, December 19, 1994, and September 26, 2006.





II. The permanent pollution abatement measures shall be operational prior to occupancy of the facilities within their respective drainage areas.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

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





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

During Construction:

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

After Completion of Construction:

18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.





- 19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Joshua Vacek of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210-403-4028.

Sincerely

Lynn Bumguardner, Water Section Manager San Antonio Region Texas Commission on Environmental Quality

LB/JV/eg

- Enclosures: Deed Recordation Affidavit, Form TCEQ-0625 Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263
- cc: Mr. Rolando Ramirez, Moy Tarin Ramirez Engineers, LLC Ms. Renee Green, P.E., Bexar County Public Works Mr. Roland Ruiz, Edwards Aquifer Authority Mr. Scott Halty, San Antonio Water System



Kathleen Hartnett White, *Chairman* Larry R. Soward, *Commissioner* Martin A. Hubert, *Commissioner* Glenn Shankle, *Executive Director*



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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 26, 2006

Mr. James Martin Northside Independent School district 5900 Evers Road San Antonio, Texas 78238-1699

Re: Edwards Aquifer, Bexar County

NAME OF PROJECT: Stinson Middle School; Located on the northeast corner of DeZavala Road and Skyhawk Road, Texas

TYPE OF PLAN: Request for Modification of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 and Chapter 317 Edwards Aquifer; Edwards Aquifer Protection Program ID No. -1149.04, Investigation No 488560, Regulated Entity No. RN102762739

Dear Mr. Martin:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for modification of the approved WPAP for the referenced project submitted to the San Antonio Regional Office by M.W. Cude Engineers, LLC on behalf of the Northside Independent School District on July 20, 2006. Final review of the WPAP submittal was completed after additional material was received on September 15, 2006. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer protection plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

The original WPAP application for the proposed 25-acre Northside Middle School site was approved by a letter dated December 11, 1989. The proposed project consisted of: a middle school of approximately 135, 000 square feet in size, a parking area, a bus drive, four tennis

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Mr. James Martin Page 2 of 6 September 26, 2006

courts, and five athletic fields. The impervious cover estimated after site completion was to be 30 percent.

A modification to the WPAP was approved by a letter dated September 8, 1994. The project included the placement of as many as 15 (62' long by 24' wide) temporary classroom buildings at the site. The number of buildings required would change from year to year depending on fluctuations in student enrollment. The approval was granted with the following special conditions:

- 1. Approval is limited to placement of temporary, portable classroom buildings without lavatories, kitchens or any other means of generating wastewater.
- 2. The addition of lavatories, kitchens or any other means of generating wastewater shall require prior review and approval pursuant to 30 TAC 313.4.
- 3. The construction of any permanent buildings shall require prior review and approval pursuant to 30 TAC 313.4
- 4. Temporary, portable classrooms may be placed, as needed, at Clark High School, Helotes Elementary School, Lockhill Elementary School and the Helotes Multi-Use Facility with the same special conditions listed above.

A second modification to the WPAP was approved by a letter dated December 19, 1994. The project included the construction of a 130' long by 20' wide asphalt paved fire lane. The proposed impervious cover for the development, including the fire lane, was to be estimated at 37 percent. The following measures were to be taken to prevent pollution of stormwater originating on-site or up-gradient from the project site and potentially flowing across and off the site after construction:

A. The grassed area breached by the fire lane will remain vegetated to filter stormwater runoff.

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 9.09 acres (4.88 acres disturbed). The modification to the existing middle school will consist of an earthen public drainage channel through the site, regrading to reposition existing ball fields, relocation of site longjump runways, reconstruction of an existing sidewalk bridge and the construction of a concrete drainage swale to relieve existing drainage problems at the rear of the school. The impervious cover will be 0.07 acres (1.4% of the 4.88 acres disturbed). Impervious cover for the entire site will become 8.03 acres (7.96 existing and 0.07 new). There will be no wastewater generated by this project.





Mr. James Martin Page 3 of 6 September 26, 2006

PERMANENT POLLUTION ABATEMENT MEASURES

The additional impervious cover generated by this project (lining of existing drainage channel with concrete) is exempt from permanent pollution abatement measures.

<u>GEOLOGY</u>

According to the geologic assessment included with the application, there are three geologic or manmade features located on the project site. The features were not assessed as sensitive. The San Antonio Regional Office did not conduct a site investigation.

SPECIAL CONDITIONS

- 1. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letters of December 11, 1989, September 8, 1994, and December 19, 1994.
- 2. Intentional discharges of sediment laden stormwater are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetative filter strips, sediment traps, rock berms, silt fence rings, etc.
- 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.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

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





Mr. James Martin Page 4 of 6 September 26, 2006

WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.

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

During Construction:

- 8. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 9. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until





Mr. James Martin Page 5 of 6 September 26, 2006

the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.

- 10. No wells exist on the site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 11. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 12. 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.
- 13. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

- 14. 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. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.





Mr. James Martin Page 6 of 6 September 26, 2006

- 16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 17. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 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 Agnieszka Hobson of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210/403-4075.

Sincerely, Doute

Glenn Shánkle Executive Director Texas Commission on Environmental Quality

GS/AMH/eg

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

 Mr. Rolando "Ron" Ramirez, P.E., M.W. Cude Engineers, LLC Mr. Scott Halty, San Antonio Water System Ms. Renee Green, Bexar County Public Works Mr. Robert J. Potts, Edwards Aquifer Authority TCEQ Central Records, MC 212







Edwards Underground Water District

RECEIVED JAN 5 1995 SAN ANTONIA

6.10-1.3-1

January 4, 1995

OFFICERS

JO ANN S. DE HOYOS CHAIR JERRI W. MARTIN VICE CHAIR HARRY BISHOP SECRETARY KENNETH G. IKELS TREASURER

DIRECTORS

BEXAR COUNTY

HANS R. F. HELLAND COUNTY AREA CHAIR GENE L. AMES, III JO ANN S. DE HOYOS GUENTER KRELLWITZ CAROL G. PATTERSON ERNEST QUIROGA

COMAL COUNTY

Jack R. Ohlrich County area Chair S. Craig Hollmig Kennbth G. Ikels

HAYS COUNTY

A, KAYLENE RAY COUNTY AREA CHAIR HARRY BISHOP JERRI W. MARTIN

RICK ILLGNER General Manager Mr. John K. Mauser Texas Natural Resource Conservation Commission Region 13 140 Heimer Road, Suite 360 San Antonio, Texas 78232-5042

Re: Stinson Middle School Fire Lane Water Pollution Abatement Plan (WPAP)

Dear Mr. Mauser:

Edwards Underground Water District (District) staff has completed its review of the application submitted for the above-referenced WPAP, received on December 29, 1994.

At public hearings on the Edwards Rules in 1988, 1989, 1992, and 1994, District staff recommended to the Texas Natural Resource Conservation Commission (Commission) - and its predecessor agency the Texas Water Commission - that Commission staff collectively evaluate plans submitted for activities on the Edwards recharge zone. Each application for a proposed development should be reviewed with consideration of a background of existing conditions. The District's concerns regarding development over the Edwards recharge zone will not be alleviated until such time as Commission staff considers such controls for recharge zone developments and follows procedures by which to evaluate plans in a cumulative manner.

District staff has particular concerns regarding road projects on the recharge zone, due to their nature and purpose as well as the relatively high amount of impervious cover they require. These concerns will not be fully alleviated until the implementation of more comprehensive evaluation procedures such as a cumulative review. This project, however, an amendment to a previously approved WPAP for Stinson Middle School, is limited to the construction of a relatively small road, a 20 foot by 130 foot fire lane. Anticipated use of this road

> 1615 N. ST. MARYS - P.O. BOX 15830 SAN ANTONIO TEXAS 78212-9030 210-222-2204 EAY 222 0960







Mr. John K. Mauser January 4, 1994 - Page 2

will be infrequent. Staff believes that the measures described in this WPAP to prevent on-site and downgradient pollution by contaminated stormwater runoff from the site, including filtering through existing adjacent grass areas and grass lined trapezoidal channel may provide some protection to the Edwards Aquifer.

Provided that the applicant complies with the provisions of the storm water section of the WPAP District staff does not have any objections to this project. The District does, however, urge the Commission to require as a condition of approval that use of chemical fertilizers and pesticides in the grassy areas and channel be restricted.

Thank you for your attention to our concerns, and if you have any questions please let us know.

Cordially,

bayle R. King

Gayle K. Kipp Environmental Coordinator

GKK/bmc

cc: Mr. Lemarcus Johnson, TNRCC

Mr. Joseph M. Cidras, Northside Independent School District Mr. Duane A. Moy, P.E., M.W. Cude & Associates, Inc. Mr. Scott Halty, SAWS

004gkk





John Hall, Chairman Pam Reed, Commissioner Peggy Gamer, Commissioner Anthony Grigsby, Executive Director



RN102762739 13-89111401A

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

September 8, 1994

Mr. Joseph Cidras Northside ISD 7522 Mainland San Antonio, Texas 78250

Re: Edwards Aquifer, Bexar County PROJECT: Stinson Middle School TYPE: Modification to Water Pollution Abatement Plan (WPAP), 30 Texas Administrative Code (TAC) '313.4(e)

Dear Mr. Cidras:

The above referenced school received approval pursuant to 30 TAC §313.4 by letter dated December 11, 1989.

On August 12, 1994 the San Antonio Regional Office received a fax from Mr. Blaine Castile of your office notifying this office of Northside ISD (NISD) intent to place one (1) portable classroom building on the grounds of the above referenced project. There would be no water connections, no lavatories and no wastewater generated from this project.

As you discussed during a telephone conversation with John Mauser of this office on September 7, 1994, there will be three (3) portable classroom buildings. Each building will be approximately 62' long by 24' wide and have two (2) classrooms. Each classroom will accommodate up to 25 students. There would be no lavatories or kitchens within any of the buildings. NISD may wish to place as many as 15 portable, temporary buildings on this site. The number of buildings required would change from year to year depending on fluctuations in student enrollment. Other NISD site on the Edwards Aquifer Recharge Zone are Clark High School, Helotes Elementary School, Lockhill Elementary School and the Helotes Multi-use Facility.

APPROVAL

The proposed modification has been reviewed for compliance with 31 TAC §313.4 which sets forth pollution abatement criteria for any development on the recharge zone of the Edwards Aquifer. The proposed modification is in general agreement with 31 TAC §313.4 and the original approval letter dated December 11, 1994; therefore, approval of the plan is hereby granted subject to the specific conditions listed below.

REPLY TO: REGION 13 • 140 HEIMER RD., SUITE 360 • SAN ANTONIO, TEXAS 78232-5028 • AREA CODE 210/490-3096





Mr. Joseph Cidras Page 2 September 8, 1994

Failure to comply with any of the following conditions, the deed recordation requirement, or any other specific conditions of approval is a violation of these rules. Pursuant to §26.136 of the Texas Water Code, any violations of the Edwards Aquifer Rules may result in administrative penalties of up to \$10,000 for each act of violation and for each day of violation.

SPECIAL CONDITIONS

- 1. Approval is limited to placement of temporary, portable classroom buildings without lavatories, kitchens or any other means of generating wastewater.
- 2. The addition of lavatories, kitchens or any other means of generating wastewater shall require prior review and approval pursuant to 30 TAC §313.4.
- 3. The construction of any permanent buildings shall require prior review and approval pursuant to 30 TAC §313.4.
- 4. Temporary, portable classrooms may be placed, as needed, at Clark High School, Helotes Elementary School, Lockhill Elementary School and the Helotes Multi-use Facility with the same special conditions listed above and the applicable standard conditions listed below.

STANDARD CONDITIONS OF APPROVAL

- 1. Please be reminded that 31 TAC §313.4(c) requires the owner/ developer to: (1) record in the county deed records that this property is subject to the approved WPAP; and (2) submit to the Executive Director through the San Antonio Regional Office, within 30 days of receiving this written notice of approval of the water pollution abatement plan and prior to commencing construction, proof of application for recordation of notice in the county deed records. Enclosed is a suggested format you may be used to deed record your approved WPAP.
- 2. Prior to commencing construction, the applicant/agent shall submit to the San Antonio Regional Office copies of any changes made to the plans and specifications for this project which have been required by the TNRCC review and/or all other permitting authorities.
- 3. Please note, following this approval of the regulated activities described in the referenced WPAP submittal, any amendment to these activities required by some other regulating authority or desired by the applicant will require the submittal of a WPAP application to amend this approval. And, as indicated in 31 TAC §313.4 and 31 TAC §313.27, an





Mr. Joseph Cidras Page 3 September 8, 1994

> application to amend any approved regulated activity shall include payment of appropriate fees and all information necessary for its review and Executive Director approval.

- 4. Additionally, all contractors conducting regulated activities associated with this proposed regulated project shall be provided with copies of this approval letter and the entire contents of the submitted WPAP so as to convey to the contractors the specific conditions of this approval. During the course of these regulated activities, the contractors shall be required to keep on-site copies of the WPAP and this approval letter.
- 5. The temporary erosion and sedimentation (E&S) controls for the entire project shall be installed prior to beginning any other construction work on this project.
- 6. The appropriate E&S control(s) that shall be used during the construction of the project should be determined as follows: (1) Silt fences should be used when the drainage area is less than 2 acres and the slope is less than 10%. (2) Rock berms with filtration should be used when the drainage areas are greater than two acres or when the slopes are in excess of 10%. The bottom edge of the filter fabric must be buried a minimum of 6 inches below grade.
- 7. The TNRCC may monitor stormwater discharges from the site to evaluate the adequacy of the temporary erosion and sedimentation control measures. Additional protection may be necessary if excessive solids are being discharged from the site.
- 8. Also, 31 TAC §313.4(d)(2) requires that if any significant recharge features, such as solution openings or sinkholes, are discovered during construction, all regulated activities near the significant recharge feature must be suspended immediately and may not be resumed until the Executive Director has reviewed and approved the methods proposed to protect the aquifer from any potential adverse impacts. Upon discovery of the significant recharge features, the developer shall immediately notify the San Antonio Regional Office.
- 9. Upon completion of the project, the applicant shall reseed or sod all areas disturbed during construction.
- 10. If any abandoned wells exist on the site or are found during construction of the proposed development, they shall be plugged in accordance with the local underground water conservation district's plugging procedures, if applicable, or 31 TAC §287.50(a) of this title (relating to Standards for




Mr. Joseph Cidras Page 4 September 8, 1994

> Plugging Wells that Penetrate Undesirable Water Zones), or an equivalent method, as approved by the Executive Director. Pursuant to 31 TAC §287.48(e), the person that plugs such a well shall, within 30 days after plugging is complete, submit a Water Well Completion and Plugging Report to the Executive Director, through the San Antonio Regional Office and to the Edwards Underground Water District.

> Any drill holes resulting from core sampling on-site or downgradient of the site shall be plugged with cement slurry, from the bottom of the hole to the top of the hole, so as to not allow water or contaminants to enter the subsurface environment.

- 11. No waste-disposal wells, new confined animal feeding operations, land disposal of Class I wastes, or use of sewage holding tanks as parts of organized collection systems shall be allowed on the recharge zone of this regulated development.
- During the course of the construction related to the 12. referenced regulated project, the owner/developer shall comply with all applicable provisions of 31 TAC §313.4. Construction which is initiated and abandoned, or not completed, shall be returned to a permanent condition such that groundwater in the Edwards Aquifer is protected from potential contamination. ISD, applicant, shall remain Northside Additionally, responsible for the provisions and special conditions of this approval until such responsibility is legally transferred to another person or entity, upon which that person or entity shall assume responsibility for all provisions and specific conditions of this approval.
- 13. Pursuant to 31 TAC §313.4(d)(1) and prior to commencing regulated activities, the applicant must provide the San Antonio Regional Office with the date on which the regulated activity will commence.
- 14. Please note that 31 TAC §313.4(g) states that this approval expires two years from this date unless, prior to the expiration date, construction has commenced on the regulated project.
- 15. Approval of the design of the sewage collection system for this proposed subdivision shall be obtained from the Texas Natural Resources Conservation Commission prior to the commencement of construction of any sewage collection system, the design of which shall be in accordance with 31 TAC §313.5 and 31 TAC §317.





Mr. Joseph Cidras Page 5 September 8, 1994

- 16. The developer shall ensure that construction debris, such as but not limited to scrap wood, bricks, paint, adhesives, containers, paper, etc. is disposed of properly at an authorized landfill off of the Edwards Aquifer Recharge Zone.
- 17. If asphaltic materials such as "seal coat", emulsion or other asphaltic products used for paving, roofing, etc. wash off or leave the project site the developer shall notify the Texas Natural Resource Conservation Commission immediately and commence clean-up.
- 18. Each purchaser of a single-family residential lot shall be informed in writing that this subdivision is located on the Edwards Aquifer Recharge Zone.
- 19. Each purchaser of a single-family residential lot shall be informed in writing about best management practices of pesticide and fertilizer application. The applicant may use <u>Preventing Groundwater Pollution, A Practical Guide to Pest</u> <u>Control</u>, available from the Edwards Underground Water District (210/222-2204), or equivalent information produced by recognized authorities such as the Soil Conservation Service, Texas Dept. of Agriculture, U.S. Dept. of Agriculture, etc. The applicant may develop their own educational information (with review by the TNRCC prior to use).
- 20. It is recommended that signage be permanently posted and maintained in good condition at each external entrance to and exit from the subdivision which reminds home owners and visitors they are on the Recharge Zone of the Edwards Aquifer.

If you have any questions or require additional information, please contact a representative of the Edwards Aquifer Protection Program at the Commission's San Antonio Regional Office (210) 490-3096.

Singerely

J. Richard Garcia, Regional Manager, for

Bill Campbell, Acting Executive Director

JRG/JKM-jkm

Enclosure

Mr. Joseph Cidras Page 6 September 8, 1994

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cc: Rebecca Cedillo, San Antonio Water System Ron Pena, P.E., Environmental Engineer, Bexar County Rick Illgner, Edwards Underground Water District John Mauser, San Antonio Regional Office, TNRCC TNRCC - Central Records (with attachment)

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John Hall, Chuirman Pam Reed, Commissioner Peggy Garner, Commissioner Dan Pearson, Executive Director



RN102762739 13-89111401B

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

December 19, 1994

Joseph Cidras Northside ISD 5900 Evers Road San Antonio, Texas 78238

Re: Edwards Aquifer, Bexar County PROJECT: Proposed Fire Lane, Located & Stinson Middle School, San Antonio, Texas. TYPE: Request for Approval of Water Pollution Abatement Plan (WPAP); 31 Texas Administrative Code (TAC) §313.4; Edwards Aquifer Protection Program.

Dear Mr. Cidras:

The Texas Natural Resource Conservation Commission (TNRCC) has completed their review of the WPAP application for the referenced project that was submitted by MW Cude & Associates, Inc. on behalf (of Northside ISD to the Region 13 Office on December 8, 1994.

PROJECT DESCRIPTION

The proposed roadway is to be developed as a 130' long by 20' wide asphalt paved fire lane project. The site is located within the City of San Antonio, and will conform with applicable codes and requirements of the City of San Antonio. There will be no permanent population, no potable water and no wastewater associated with this project. The proposed impervious cover for the development, approximately 0.06 acres (37%), include the fire lane. Stormwater runoff will be typical of a school site.

GEOLOGY ON SITE

This is a modification to a previously approved water pollution abatement plan and no geologic assessment was required.

GEOLOGY DOWN-GRADIENT OF SITE

This is a modification to a previously approved water pollution abatement plan and no geologic assessment was required.

REPLY TO: RECION 13 • 140 HEIMER RD. SUITE 360 • SAN ANTONIO, TEXAS 78232-5028 • AREA CODE 210/490-3096



POLLUTION ABATEMENT

I. During Construction:

The following measures will be taken to prevent pollution of stormwater originating on-site or up-gradient from the project site and potentially flowing across and off the site during construction:

- A. Stabilized construction entrances shall be installed at all sites of ingress and egress prior to initiation of any other regulated activity.
- B. Temporary erosion and sedimentation controls (silt fences and rock berms) shall be installed prior to initiation of any other regulated activity.

II. After Construction:

The following measures will be taken to prevent pollution of stormwater originating on-site or up-gradient from the project site and potentially flowing across and off the site after construction:

A. The grassed area breached by the fire lane will remain vegetated to filter stormwater runoff.

III. Recharge Features:

The following measures will be taken to prevent pollutants from entering recharge features while maintaining or enhancing the quantity of water entering the recharge features identified in the geologic assessment.

A. No recharge features are present.

APPROVAL

The plan for this project has been reviewed for compliance with 31 TAC §313.4 which sets forth pollution abatement criteria for any development on the recharge zone of the Edwards Aquifer. The proposed water pollution abatement plan is in general agreement with 31 TAC §313.4; therefore, approval of the plan is hereby granted subject to the specific conditions listed below.

Failure to comply with any of the following conditions, the deed recordation requirement, or any other specific conditions of approval is a violation of these rules. Pursuant to §26.136 of the Texas Water Code, any violations of the Edwards Aquifer Rules may result in administrative penalties of up to \$10,000 for each act of violation and for each day of violation.



Joseph Cidras Page 3 December 19, 1994

SPECIAL CONDITIONS

The proposed modification for construction of a fire lane will be considered as a minor modification to the previously approved water pollution abatement plan.

STANDARD CONDITIONS OF APPROVAL

- 1. Please be reminded that 31 TAC §313.4(c) requires the owner/ developer to: (1) record in the county deed records that this property is subject to the approved WPAP; and (2) submit to the Executive Director through the Region 13 Office, within 30 days of receiving this written notice of approval of the water pollution abatement plan and prior to commencing construction, proof of application for recordation of notice in the county deed records. Enclosed is a suggested format you may be used to deed record your approved WPAP.
- 2. Prior to commencing construction, the applicant/agent shall submit to the Region 13 Office copies of any changes made to the plans and specifications for this project which have been required by the TNRCC review and/or all other permitting authorities.
- 3. Please note, following this approval of the regulated activities described in the referenced WPAP submittal, any amendment to these activities required by some other regulating authority or desired by the applicant will require the submittal of a WPAP application to amend this approval. And, as indicated in 31 TAC §313.4 and 31 TAC §313.27, an application to amend any approved regulated activity shall include payment of appropriate fees and all information necessary for its review and Executive Director approval.
- 4. Additionally, all contractors conducting regulated activities associated with this proposed regulated project shall be provided with copies of this approval letter and the entire contents of the submitted WPAP so as to convey to the contractors the specific conditions of this approval. During the course of these regulated activities, the contractors shall be required to keep on-site copies of the WPAP and this approval letter.

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- 5. The temporary erosion and sedimentation (E&S) controls for the entire project shall be installed prior to beginning any other construction work on this project.
- 6. The appropriate E&S control(s) that shall be used during the construction of the project should be determined as follows:





Joseph Cidras Page 4 December 19, 1994

> (1) Silt fences should be used when the drainage area is less than 2 acres and the slope is less than 10%. (2) Rock berns with filtration should be used when the drainage areas are greater than two acres or when the slopes are in excess of 10%. The bottom edge of the filter fabric must be buried a minimum of 6 inches below grade.

- 7. The TNRCC may monitor stormwater discharges from the site to evaluate the adequacy of the temporary erosion and sedimentation control measures. Additional protection may be necessary if excessive solids are being discharged from the site.
- 8. Also, 31 TAC §313.4(d)(2) requires that if any significant recharge features, such as solution openings or sinkholes, are discovered during construction, all regulated activities near the significant recharge feature must be suspended immediately and may not be resumed until the Executive Director has reviewed and approved the methods proposed to protect the aquifer from any potential adverse impacts. Upon discovery of the significant recharge features, the developer shall immediately notify the Region 13 office.
- 9. Upon completion of the project, the applicant shall reseed or a sod all areas disturbed during construction.
- 10. If any abandoned wells exist on the site or are found during construction of the proposed development, they shall be plugged in accordance with the local underground water conservation district's plugging procedures, if applicable, or 31 TAC §287.50(a) of this title (relating to Standards for Plugging Wells that Penetrate Undesirable Water Zones), or an equivalent method, as approved by the Executive Director. Pursuant to 31 TAC §287.48(e), the person that plugs such a well shall, within 30 days after plugging Report to the Executive Director, through the Region 13 Office and to the Edwards Underground Water District.

Any drill holes resulting from core sampling on-site or downgradient of the site shall be plugged with cement slurry, from the bottom of the hole to the top of the hole, so as to not allow water or contaminants to enter the subsurface environment.

11. No waste-disposal wells, new confined animal feeding operations, land disposal of Class I wastes, or use of sewage holding tanks as parts of organized collection systems shall be allowed on the recharge zone of this regulated development. Joseph Cidras Page 5 December 19, 1994

- During the course of the construction related to the 12. referenced regulated project, the owner/developer shall comply with all applicable provisions of 31 TAC §313.4. Construction which is initiated and abandoned, or not completed, shall be returned to a permanent condition such that groundwater in the Edwards Aquifer is protected from potential contamination. Northside ISD, remain applicant, shall Additionally, responsible for the provisions and special conditions of this approval until such responsibility is legally transferred to another person or entity, upon which that person or entity shall assume responsibility for all provisions and specific conditions of this approval.
- 13. Pursuant to 31 TAC §313.4(d)(1) and prior to commencing regulated activities, the applicant must provide the Region 13 Office with the date on which the regulated activity will commence.
- 14. Please note that 31 TAC §313.4(g) states that this approval expires two years from this date unless, prior to the expiration date, construction has commenced on the regulated project.
- 15. Approval of the design of the sewage collection system for this proposed subdivision shall be obtained from the Texas Natural Resources Conservation Commission prior to the commencement of construction of any sewage collection system, the design of which shall be in accordance with 31 TAC §313.5 and 31 TAC §317.
- 16. The developer shall ensure that construction debris, such as but not limited to scrap wood, bricks, paint, adhesives, containers, paper, etc. is disposed of properly at an authorized landfill off of the Edwards Aquifer Recharge Zone.

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- 17. If asphaltic materials such as "seal coat", emulsion or other asphaltic products used for paving, roofing, etc. wash off or leave the project site the developer shall notify the Texas Natural Resource Conservation Commission immediately and commence clean-up.
- 18. Each purchaser of a single-family residential lot shall be informed in writing that this subdivision is located on the Edwards Aquifer Recharge Zone.
- 19. Each purchaser of a single-family residential lot shall be informed in writing about best management practices of pesticide and fertilizer application. The applicant may use <u>What's Bugging You? A Practical Guide to Pest Control</u>, available from the Edwards Underground Water District





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Joseph Cidras Page 6 December 19, 1994

> (210/222-2204), or equivalent information produced by recognized authorities such as the Soil Conservation Service, Texas Dept. of Agriculture, U.S. Dept. of Agriculture, etc. The applicant may develop their own educational information (with review by the TNRCC prior to use).

20. It is recommended that signage be permanently posted and maintained in good condition at each external entrance to and exit from the subdivision which reminds home owners and visitors they are on the Recharge Zone of the Edwards Aquifer.

If you have any questions or require additional information, please contact a representative of the Edwards Aquifer'Protection Program' at the Region 13 Office (210) 490-3096.

Sincerely,

.:

J. Richard Garcia, Regional Manager

JRG/JKM Enclosure

CC: Cude & Associates Rebecca Cedillo, San Antonio Water System Ignacio Martinez, P.E., Environmental Engineer, Bexar Co. Rick Illgner, Edwards Underground Water District John Mauser, Region 13 Office, TNRCC TNRCC - Central Records (with attachment)

A-6

TEXAS WATER COMMISSION

B. J. Wynne, III, Chairman John E. Birdwell, Commissioner Cliff Johnson, Commissioner



Allen Beinke, Executive Director

John J. Vay, General Counsel Michael Fried Chertearings Exam Brenda W. Foster, Ster Clerk DEC 1 3 1989

010211393

December 11, 1989;

Mr. Joseph M. Cidras Northside Independent School District 5900 Evers Road San Antonio, Texas 78238

Re: Proposed Northside Middle School, City of San Antonio, Bexar County, Texas - Request for Approval of Water Pollution Abatement Plan; 31 Texas Administrative Code (TAC) Section 313.3

Dear Mr. Cidras:

We have completed our review of the water pollution abatement plan that was submitted by Pape-Dawson Consulting Engineers, Inc., on behalf of the Northside Independent School District, to the District 8 Office on November 14, 1989, and received by our Water Quality Division in Austin on November 17, 1989. The 25-acre proposed Northside Middle School is located on the east side of Hausman Road on the inside of Loop 1604, approximately 1250 feet south of the intersection of South Hausman Road and Loop 1604, within the corporate limits of the City of San Antonio, northwestern Bexar County, Texas. The proposed project will consist of: a middle school of approximately 135,000 square feet in size; a parking area; a bus drive; four tennis courts; and five athletic fields. An addition of 16,000 square feet in size is also planned to be added to the proposed middle school in the future. The projected population of the school is 1720.

Using the Texas Department of Health criteria of 20 gallons per person per day for a school with a cafeteria and showers, the volume of wastewater to be generated is estimated at about 34,400 gallons per day. The character of the wastewater to be generated will be entirely domestic in nature, as is typical of standard school facilities.

There are currently no sanitary sewer mains adjacent to the site. The school district has provided the City of San Antonio with the fees required to extend a main from the existing French Creek Outfall Main at South Hausman Road northward along South Hausman Road to the site of the proposed project. The sewer main extension

EXHIBIT "A"





Mr. Joseph M. Cidras Page 2 December 11, 1989

will be scheduled to be constructed in a manner to serve the proposed school facility. Wastewater generated at the proposed project will be treated by the Leon Creek Sewage Treatment Plant. Approval of the design of the sewage collection system described above for this proposed project shall be obtained from the Executive Director prior to the commencement of construction of the sewage collection system, the design of which shall be in accordance with 31 TAC 313.4.

As the development of the property occurs, the character of the stormwater runoff will change from that normally found in rural Hill Country areas to that normally associated with developed urban areas. Once site development is complete, it is estimated that 30% of the tract will be impervious. Areas retaining vegetative cover will consist of undisturbed areas, open lawns, and athletic fields.

The only potentially toxic materials stored on site will be cleaning solutions associated with school maintenance. These substances will be stored in storerooms in small quantities. The nature of the cleaning fluids, their handling, and the minor quantities involved, would preclude them from being classified as hazardous materials. No hydrocarbons will be stored on-site.

According to a geologic assessment prepared by Southwestern Laboratories, no significant recharge features were identified within the proposed 25-acre Northside Independent School District property and associated drainageways within one mile downstream of the proposed site. Consequently, no abatement measures will be taken other than the occurrence of on-site overland flow primarily through vegetated areas.

According to the geologic assessment prepared for the proposed site by Southwestern Laboratories, Inc., the entire site is underlain by the Buda Formation which is predominantly limestone. Downstream, and immediately southeast of the site, lithologies change abruptly from limestones associated with the Buda Formation to clays associated with the Del Rio Formation, which, in general, is the upper confining bed for the Edwards Aquifer. This change in lithology is interpreted to result from juxtaposition of the Buda Formation against the Del Rio Formation along a southwest-northeast trending fault — with downthrow to the northwest — that intersects the southeast corner of the proposed site. No karst features were observed on the site or within drainageways that carry surface water runoff across the Recharge Zone for a distance of about one mile downstream from the site.

There are no known wells on the site of the proposed project. If any wells are found during construction of the proposed middle school, they shall be plugged in accordance with 31 TAC Section





Mr. Joseph M. Cidras Page 3 December 11, 1989

313.3(b)(3)(F), which requires that abandoned wells shall be plugged pursuant to the requirements of 31 TAC Section 287.50(a) of this title (relating to Standards for Plugging Wells that Penetrate Undesirable Water Zones) or an equivalent method, as approved by the Executive Director. Pursuant to 31 TAC Section 287.48(e), the person that plugs such a well shall, within 30 days after plugging is complete, submit a Water Well Completion and Plugging Report to the Executive Director, through the District 8 Office.

The City Water Board of San Antonio will supply water to the school property.

No waste-disposal wells, new confined animal feeding operations, land disposal of Class I wastes, or use of sewage holding tanks as parts of organized collection systems shall be allowed on the recharge zone of this regulated development.

The plan for this development has been reviewed for compliance with 31 TAC Section 313.3 which sets forth pollution abatement criteria for development located on the recharge zone of the Edwards Aquifer. The proposed pollution abatement activities are in general agreement with 31 TAC Section 313.3, and approval of the development is hereby granted with the following condition:

If any solution openings (such as cavities or pipes) or sinkholes are discovered on the site during land clearing, excavation, or blasting, the developer shall immediately notify the District 8 Office located at 140 Heimer Road, Suite # 360, San Antonio, Texas, 78232-5028, telephone (512) 490-3096. Construction in the vicinity of such a feature shall cease pending approval by the District.8 manager of the proposed method to prevent pollutants from entering the area(s).

During the course of construction related to the referenced regulated development, the owner/developer shall comply with all applicable provisions of 31 TAC Section 313.3. Additionally, Northside Independent School District shall remain responsible for the aforementioned provisions and special conditions until such responsibility is legally transferred to another person or entity.

Please be reminded that 31 TAC Section 313.3 (e) requires the owner/developer to: (1) record in the county deed records that this property is subject to the approved water pollution abatement plan; (2) submit to the Executive Director proof of this application for recordation of notice no less than ten days prior to commencing construction; and (3) prior to beginning construction, notify the District 8 Office in San Antonio when the construction will commence. Any substantial modification, as outlined in 31 TAC Section 313.3 (f), to this approved water pollution abatement plan



must be reported to the District 8 Office and approved by the Executive Director.

Also, 31 TAC Section 313.3 (g) requires that during construction, you submit quarterly progress reports on the status of construction to the District 8 Office. Please note that 31 TAC Section 313.3 (h) states that this approval expires two years from this date unless, prior to the expiration date, construction has commenced on the regulated development. Enclosed is a suggested format you may wish to use to deed record your approved water pollution abatement plan.

If you have any questions or require additional information, please contact either Mr. John Mauser at (512) 490-3096 in San Antonio or Mr. Rob Conti at (512) 463-8497 in Austin.

Sincerely, A. P.E. Rey 13. McDonnell

Allen Beinke Executive Director

Enclosure

cc: Eduardo J. Descamps, Pape-Dawson Consulting Engineers, Inc. City of San Antonio County of Bexar Edwards Underground Water District Texas Water Commission District 8 Office

ATTACHMENT B | Narrative of Proposed Modification

Project Overview:

The proposed project at Katherine Stinson Middle School includes several key construction and reconstruction activities:

Addition of a new middle school magnet building. Reconstruction of administration and parking spaces. Construction of a new outdoor eating area. Reconstruction of existing ALE (Alternative Learning Environment) classrooms. The total impervious cover resulting from these activities is approximately 10,541 square fee or .24 Acres.

Environmental Management:

To address environmental concerns, particularly the treatment of Total Suspended Solids (TSS) before they enter the public waterway, a Jellyfish Filter is proposed as the Permanent Best Management Practice (BMP).

Jellyfish Filter Details:

Design Standards: The Jellyfish Filter is designed according to the Texas Commission on Environmental Quality (TCEQ) Design Manual standards.

Efficiency: It is expected to remove more than 86% of the TSS from the impervious cover associated with the project. Conclusion:

The project at Katherine Stinson Middle School involves significant construction and reconstruction efforts aimed at improving the school's infrastructure. To mitigate the environmental impact, particularly concerning water quality, a Jellyfish Filter will be implemented to effectively manage and reduce TSS before it enters the public waterway. This measure ensures that the project adheres to environmental standards and promotes sustainable development.

This version provides a clear and structured overview of the project, details the environmental management strategy, and concludes with the significance of the measures being taken.

ATTACHMENT C | Current Site Plan of the Approved Project

Attached is the current site plan of the <u>approved</u> project prior to this modification.

GENERAL NOTES

- CONFLICTS IN THE PLANS AND/OR SPECIFICATIONS FOUND BY THE CONTRACTOR SHALL BE PROMPTLY REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- 2. BIDDERS ARE HEREBY NOTIFIED TO MAKE SUBSURFACE INVESTIGATIONS AS THEY DEEM NECESSARY. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ATB, ROCK, SAND, GRAVEL OR OTHER UNSTABLE CONDITIONS ENCOUNTERED IN EXCAVATION.
- 3. CONTRACTOR IS TO MAINTAIN UNRESTRICTED DRAINAGE OF THE PROJECT SITE AND ADJACENT AREAS DURING CONSTRUCTION.
- 4. AFTER COMPLETION OF ALL WORK, THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM WITHIN THE PROJECT LIMITS AND LEAVE THE WORK AREA NEAT AND CLEAN. ANY TEMPORARY FILL TO FACILITATE CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.
- 5. ALL DISTURBED AREAS SHALL BE FINISHED WITH TOPSOIL COMBINED WITH HYDROMULCH OR SOD. SEE LANDSCAPE PLANS.
- 6. IF SUSPECTED CONTAMINATION IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS, N.I.S.D. AND/OR THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY. THE NOTIFICATION SHOULD INCLUDE LOCATION, TYPE OF CONTAMINATED MEDIA, EVIDENCE OF CONTAMINATION AND MEASURES TAKEN TO CONTAIN THE CONTAMINATED MEDIA AND PREVENT PUBLIC ACCESS. THE CONTAMINATED SOIL AND/OR GROUNDWATER SHALL NOT BE REMOVED FROM THE LOCATION WITHOUT PRIOR N.I.S.D.'S OR ENGINEER'S APPROVAL. THE CONTRACTOR MUST STOP THE EXCAVATION IMMEDIATELY AND CONTACT THE OWNER AND/OR ENGINEER. THE CONTRACTOR WILL NOT RE-COMMENCE EXCAVATION ACTIVITIES WITHOUT WRITTEN PERMISSION FROM THE OWNER OR ENGINEER.
- ANY MATERIALS REMOVED AND/OR EXCAVATED AND NOT REUSED AND DETERMINED TO BE SALVAGEABLE SHALL BE STORED OR REINSTALLED AT AN APPROVED LOCATION OR DELIVERED UNDAMAGED TO A STORAGE FACILITY AS DIRECTED. THE SCHOOL HAS FIRST RIGHT AND REFUSAL ON ALL ITEMS REMOVED (MEMORIAL PLAQUE, FLAGPOLE, SUNDIAL, ETC.). CONTRACTOR TO COORDINATE WITH ARCHITECT AND SCHOOL ADMINISTRATION. PROPERLY DISPOSE UNSALVAGEABLE MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL CONDITION, OR BETTER, ANY DAMAGE DONE TO EXISTING BUILDINGS. RETAINING WALLS, UTILITIES, FENCES, PAVEMENT, CURBS, LANDSCAPE, IRRIGATION PIPES, DRIVEWAYS (NO SEPARATE PAY ITEM). CONTRACTOR SHALL RESTORE THE CONSTRUCTION AREA AND STAGING AREAS TO ORIGINAL CONDITION, OR BETTER, PRIOR TO FINAL INSPECTION.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION AT ALL TIMES.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL EROSION CONTROL FACILITIES BEFORE, DURING AND AFTER ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- 11. FOR PEDESTRIAN SAFETY, THE CONTRACTOR SHALL INSTALL CONSTRUCTION FENCING AROUND THE PROJECT PERIMETER CLEARLY IDENTIFYING THE PROJECT LIMITS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING ANY CONSTRUCTION MATERIALS FROM ADJACENT WATERWAYS AFTER A FLOOD EVENT. REPAIR OF ANY DAMAGES TO DRAINAGE STRUCTURES IN THE PROJECT AREA, OR DOWNSTREAM CAUSED BY CONSTRUCTION DEBRIS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- NSID IS RESPONSIBLE FOR ALL THE MATERIAL TESTING AND IT'S REQUIREMENTS NOTATED IN THE CONSTRUCTION SPECIFICATION(S). CONSTRUCTION SHALL PASS ALL TESTS/ INSPECTIONS BY THE APPROVING AGENCIES BEFORE FINAL PAYMENT, ANY COSTS INCURRED FROM FAILED AND/ OR RE-INSPECTIONS WILL BE PAID BY THE CONTRACTOR.
- 14. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT ALL TRAFFIC CONTROL DEVICES (IF NEEDED) ARE PROPERLY INSTALLED AND MAINTAINED AT THE JOB SITE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND RELATED INDUSTRY STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL SUBMIT FOR REVIEW A SIGN AND BARRICADE PLAN CONFORMING TO THE REQUIREMENTS OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL PERMANENT SIGNS SALVAGED OR TRAFFIC CONTROL DEVICES MISSING OR DAMAGED UPON COMPLETION OF CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 16. THE CONTRACTOR MUST MAINTAIN ALL STREETS OPEN TO THROUGH TRAFFIC FOR ALL FACILITY VEHICLES AND DELIVERIES.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE ACCESS ACCOMMODATIONS FOR STUDENTS AND PEDESTRIANS.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES, ETC., SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT DIRECT PAYMENT, UNLESS OTHERWISE NOTED OR STATED.
- CONTRACTOR SHALL PROVIDE APPROPRIATE SAFE ACCESS AND BARRICADE WORK AT ALL TIMES TO PROTECT THE PUBLIC. THE SITE MUST BE LEFT IN A SECURE SAFE CONDITION AT NIGHT. THIS INCLUDES SUBSTANTIAL BARRICADES AROUND ALL TRENCHES, OPEN EXCAVATIONS, EQUIPMENT ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE NECESSARY PRECAUTIONS TO PROTECT THE PUBLIC THROUGHOUT THE DURATION OF THE PROJECT.
- WORK COMPLETED BY THE CONTRACTOR WHICH HAS NOT RECEIVED A WORK ORDER OF THE NOTICE TO PROCEED BY N.I.S.D. WILL BE SUBJECT TO REMOVAL AND REPLACEMENT BY AND AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR WILL KEEP THE AREA ON TOP OF AND AROUND THE METER BOXES, CONTROL VALVES, MANHOLE COVERS, WATER VALVES, GAS VALVES, ETC. FREE OF ALL OBJECTS AND DEBRIS.
- NO EQUIPMENT, VEHICLES OR MATERIALS SHALL OPERATE OR BE STORED WITHIN THE ROOT PROTECTION ZONE OF ANY TREE NEAR THE PROJECT ROOT PROTECTION ZONE IS 1 FOOT OF RADIUS PER INCH OF TREE'S DIAMETER. A 10-INCH DIAMETER TREE WOULD HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. OAK WOUNDS SHALL BE PAINTED OVER WITHIN 30 MINUTES TO PREVENT OAK WILT. REFER TO LANDSCAPE SPECIFICATIONS.
- TREES, TREE LIMBS, BUSHES AND SHRUBS WHICH INTERFERE WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE PROPERLY PRUNED FOLLOWING THE ANSI A-300 STANDARDS FOR PRUNING. ALL TREE PRUNING SHALL BE COMPLETED BY A TREE MAINTENANCE LICENSED CONTRACTOR ONLY AFTER APPROVAL FROM THE PROJECTS MANAGEMENT. REFER TO LANDSCAPE SPECIFICATIONS.
- ALL DEBRIS GENERATED BY THE PRUNING AND TRIMMING OF THE TREES AND / OR BUSHES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY (NO SEPARATE PAY ITEM). REFER TO LANDSCAPE SPECIFICATIONS.
- TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE OWNERS SATISFACTION. REFER TO LANDSCAPE SPECS.
- TREE PLANTING FOR MITIGATION: ALL PLANTED TREES SHALL BE MAINTAINED IN A HEALTHY CONDITION AT ALL TIMES. THIS INCLUDES IRRIGATION, FERTILIZING, PRUNING AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT. TREES THAT DIE WITHIN TWELVE (12) MONTHS SHALL BE REPLACED WITH A TREE OF EQUAL SIZE AND SPECIES. REFER TO LANDSCAPE SPECIFICATIONS.
- STAGING AREA: COORDINATION WITH N.I.S.D AND KATHERINE STINSON MIDDLE SCHOOL ADMINISTRATORS IS REQUIRED PRIOR TO PARKING LOT CONSTRUCTION AND/OR STAGING AREA. SECURITY FENCING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT PLANS, SPECIFICATIONS, AND ADDENDA (IF ISSUED). IF THERE IS NO REFERENCE TO A TASK IN THESE DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR GUIDANCE/ CLARIFICATION IN THE FORM OF A WRITTEN REQUEST FOR INFORMATION (RFI) NUMBERED SEQUENTIALLY.
- THESE ARE EXISTING SITES. A SITE SURVEY WAS PERFORMED AND IS INCLUDED AS A PROJECT DRAWING FOR INFORMATION PURPOSES. THIS INFORMATION IS BY NO MEANS COMPLETE AND NO GUARANTEES MADE OR IMPLIED AS TO ITS COMPLETENESS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR THE MAINTENANCE AND PROTECTION OF THE EXISTING UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HERE ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES DURING CONSTRUCTION.

- 30. THIS WORK IS TO BE DONE IN AND AROUND OCCUPIED BUILDINGS. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE IMMEDIATE WORK AREA AND SHALL PROVIDE FOR THE SAFETY OF PERSONS AND PROPERTY. EXISTING VEGETATION, PLANTS, SHRUBS, TREES AND GRASS, ETC., SHALL BE PROTECTED AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER CONDITION, ANY DAMAGE DONE TO STREETS, PARKING AREAS, CURBS, WALKS, UTILITIES, DRIVES, FENCES, ETC. REPAIRS OR REPLACEMENT SHALL NOT BE CONSIDERED A SEPARATE PAY ITEM.
- BEFORE CONTINUING AND COMPLETION. 32. ANY CHANGES IN THE SCOPE OF THE WORK SHALL BE APPROVED BY THE OWNER BEFORE THE CONTRACTOR COMMENCES WITH THE
- 33. CONTRACTOR IS REQUIRED TO RE-STRIPE PARKING AREAS DAMAGED BY PLACEMENT OF MATERIAL IN STAGING AREAS.
- VALVES, WIRES, THROUGHOUT THE CAMPUS.
- DAMAGE TO SPRINKLER HEADS, IT IS THE CONTRACTORS SOLE 36. CONTRACTOR TO REFER TO SPECIAL CONDITIONS IN THE
- 37. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY NISD AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
- CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
- OF HIGHWAYS, STREETS AND DRAINAGE".
- CURRENT "SAN ANTONIO WATER SYSTEM STANDARD С SPECIFICATIONS FOR WATER AND SANITARY SEWER
- CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
- THE SAWS WEBSITE, http://www.saws.org/business_center/specs. UNLESS OTHERWISE NOTED WITHIN THE DESIGN PLANS.



)	EXISTING SIGN	
)	EXISTING DOUBLE SIGN	-
	EXISTING IRRIGATION CONTROL VALVE	
	EXISTING WASTEWATER MANHOLE	
] .)	EXISTING GAS METER	
))	EXISTING SHRUB	
<u>.</u>		

CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM #1	13754658.8'	2079494.8'	942.44'	BM CHM SQUARE IN CONC.CHM SQUARE IN CONC
BM #2	13754736.7'	2080702.1'	946.52'	BM CHM SQUARE SET IN CONC/CHM SQUARE IN CONC
BM #3	13754901.10'	2079824.6'	943.98'	BM CHM W/X
TPT # 5	13754684.30'	2079486.66'	943.25'	1/2" IR W/ RED BMB CONTROL CAP
CNP #6	13755336.58'	2079883.59'	945.67'	60D NAIL IN ASPH
TPT # 10	13755314.00'	2079479.13'	950.21'	1/2" IR W/ RED BMB CONTROL CAP
TPT # 15	13755339.06'	2080728.59'	949.81'	1/2" IR 1/ RED BMB CONTROL CAP
TPT # 20	13754700.68'	2080732.72'	943.29'	1/2" IR W/ RED BMB CONTROL CAP

EXISTING TREE	$\overline{(\cdot)}$
EXISTING TELEPHONE BOX	\sim
EXISTING MAILBOX	
EXISTING GUY WIRE	—)
EXISTING COLUMN	\bigcirc
EXISTING OVERHEAD ELECTRIC LINE	OHE
EXISTING UNDERGROUND ELECTRIC LIN	

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Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Russell Rincon

Date: 03/04/2025

Signature of Customer/Agent:

Regulated Entity Name: KATHERINE STINSON MIDDLE SCHOOL

Regulated Entity Information

- 1. The type of project is:
 - Residential: Number of Lots:_
 -] Residential: Number of Living Unit Equivalents:
 - Commercial
 - Industrial
 - Other:<u>SCHOOL</u>
- 2. Total site acreage (size of property): 25.0
- 3. Estimated projected population: 1200 STUDENTS
- 4. The amount and type of impervious cover expected after construction are shown below:

TCEQ-0584 (Rev. 02-11-15)

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	139898.1	÷ 43,560 =	3.21
Parking	251504.55	÷ 43,560 =	5.77
Other paved surfaces	77236.41	÷ 43,560 =	1.77
Total Impervious Cover	468639.06	÷ 43,560 =	10.75

Total Impervious Cover 10.76 + Total Acreage 25.0 X 100 = 43.04% Impervious Cover

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

For Road Projects Only

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

7. Type of project:

TXDOT road project.

County road or roads built to county specifications.

City thoroughfare or roads to be dedicated to a municipality.

Street or road providing access to private driveways.

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

Concrete			
Asphaltic	concrete	paver	nent
Other:			

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

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

10. Length of pavement area: _____ feet.

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

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

A rest stop will not be included in this project.

TCEQ-0584 (Rev. 02-11-15)

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

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

% Domestic	Gallons/day
% Industrial	Gallons/day
% Commingled	Gallons/day
TOTAL gallons/day	

15. Wastewater will be disposed of by:

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

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

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

Sewage Collection System (Sewer Lines):

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

The SCS was previously submitted on_____.

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

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

Existing.
Proposed

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

Site Plan Requirements

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

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

Site Plan Scale: 1'' = 50'.

18. 100-year floodplain boundaries:

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

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

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

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

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

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

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

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

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

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

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

- 21. Geologic or manmade features which are on the site:
 - All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.
 - No sensitive geologic or manmade features were identified in the Geologic Assessment.
 - _ Attachment D Exception to the Required Geologic Assessment. A request and justification for an exception to a portion of the Geologic Assessment is attached.

TCEQ-0584 (Rev. 02-11-15)

- 22. X The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. X Areas of soil disturbance and areas which will not be disturbed.
- 24. 🔀 Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. X Locations where soil stabilization practices are expected to occur.
- 26. Surface waters (including wetlands).
- 27. Locations where stormwater discharges to surface water or sensitive features are to occur.
 - There will be no discharges to surface water or sensitive features.
- 28. 🔀 Legal boundaries of the site are shown.

Administrative Information

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

Supplemental Attachments for

TCEQ F-0584 WPAP Application Form

Katherine Stinson Middle School

Table of Attachments:

Factors Affecting Surface Water Quality
Volume and Character of Stormwater
Suitability Letter from Authorized Agent
TCEQ Site Plan
Technical Letter for Sewer Realignment

ATTACHMENT A | Factors Affecting Surface Water Quality

There are several factors that can affect water quality as a result of the proposed residential development. These may include, but are not limited to:

- Increased storm water runoff from the increase in impervious area.
- Increased contamination from vehicle traffic. This includes trash and debris from waste collection trucks as well as chemical contaminants (vehicle fluids) from personal vehicles.
- Contamination of soils from grading and site excavation activities during construction.
- Erosion and silt runoff from construction activities.

To address these potential factors. Temporary Best Management Practices (TBMPs) will be installed during construction and monitored/inspected periodically to prevent adverse impact to the water quality during construction. More detailed information can be found in the "Temporary Storm Water" Section of this WPAP Application. A Jellyfish filter is proposed for post-construction BMP. The Jellyfish filter will filter the majority of the sediment that runs off the proposed impervious cover. Additional details are provided in the "Permanent Stormwater" section of this report.

ATTACHMENT B | Volume and Character of Stormwater

Volume of Runoff

The following tables include the pre- and post-construction runoff calculations for the project area:

Existing Conditions				
C (Coeff)	Area (Ac)	Storm Event	Intensity	Flow (CFS)
0.738	0.24	5	9.29	1.65
0.738	0.24	25	11.14	1.97
0.738	0.24	100	14.01	2.48

Proposed Conditions				
C (Coeff)	Area (Ac)	Storm Event	Intensity	Flow (CFS)
0.740	0.51	5	9.29	3.51
0.740	0.51	25	11.14	4.20
0.740	0.51	100	14.01	5.29

Character of Runoff

There are no proposed changes to the character of the stormwater exiting the project site. The existing drainage patterns are to be maintained, with a combination of natural and impervious surface with the stormwater sheet flowing offsite. The slight increase to the onsite impervious cover is negligible when calculating the runoff volume as shown in the tables above. This project is not anticipated to cause any adverse impact to the downstream soils or structures.

ATTACHMENT C | Suitability Letter from Authorized Agent

This section does not apply. An onsite sewage facility is <u>not</u> proposed for this project.

ATTACHMENT D | TCEQ SITE PLAN

The following Site Plan is substantially in compliance with the site plan requirements found in items 17-28 of the WPAP Application Form (TCEQ-0584)



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KEY NOTES

S# LOCATION OF GEOLOGICAL FEATURES, SEE GEOLOGICAL ASSESSMENT FOR DETAILS.



ATTACHMENT E | Sewer Realignment

As part of the **Katherine Stinson Middle School Magnet Expansion**, we have identified a conflict between the existing sanitary sewer alignment and the proposed building footprint. To resolve this issue, we propose realigning the sewer to prevent interference while maintaining full functionality and compliance with applicable standards.

Proposed Sanitary Sewer Adjustments:

- 1. Realignment of the Existing 8-Inch Sanitary Sewer Line
 - The existing sewer alignment will be adjusted to avoid conflicts with the **Magnet building expansion**.
 - Approximately 91 linear feet (LF) of 8-inch PVC SDR-26 will be installed at a minimum slope of 0.33% to ensure proper flow and compliance with City of San Antonio and NISD standards.
- 2. Installation of New Cleanouts
 - A two-way cleanout complete with boxes will be installed per civil details.
 - An **end-line cleanout** and **inline cleanouts** will be placed at appropriate intervals to facilitate maintenance.
 - The existing cleanout (INV: 936.75) will be adjusted to match the proposed grade.
- 3. Coordination with Existing Utilities
 - The new alignment will account for existing underground utilities, including:
 - Fire lines (6") Top of pipe at 941.78, Invert at 941.28
 - Water lines (4") Top of pipe at 941.75, Invert at 941.42
 - Storm drainage and electrical crossings
 - All necessary precautions will be taken to avoid service disruptions.
- 4. Backfilling and Construction Considerations
 - All utility trenches on NISD property will be **backfilled with flowable fill** where crossing under existing and proposed pavement.
 - Temporary **bypass pumping or wastewater pump/haul-off** will be implemented during construction as required.
 - Fire line and domestic water connections will be coordinated with NISD to ensure work is conducted at appropriate times, potentially after school hours, holidays, or weekends.
- 5. Regulatory Compliance
 - The realignment will adhere to the **City of San Antonio Unified Development Code, TCEQ regulations, and NISD construction specifications** to ensure compliance with all applicable standards.

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: Russell Rincon

Date: 03/04/2025

Signature of Customer/Agent:

Regulated Entity Name: Katherine Stinson Middle Shcool

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>French Creek</u>

Temporary Best Management Practices (TBMPs)

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

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

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

- A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
- A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
- A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
- 8. X The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
 - Attachment E Request to Temporarily Seal a Feature. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
 - There will be no temporary sealing of naturally-occurring sensitive features on the site.
- 9. Attachment F Structural Practices. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
- 10. Attachment G Drainage Area Map. A drainage area map supporting the following requirements is attached:
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

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

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

Soil Stabilization Practices

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

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

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

Administrative Information

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

Supplemental Attachments for

TCEQ F-0602 Temporary Stormwater Section

Katherine Stinson Middle School

Table of Attachments:

Attachment A:	Spill Response Actions
Attachment B:	Potential Sources of Contamination
Attachment C:	Sequence of Major Activities
Attachment D:	Temporary Best Management Practices and Measures
Attachment E:	Request to Temporarily Seal a Feature (Not Applicable)
Attachment F:	Structural Practices
Attachment G:	Drainage Area Map
Attachment H:	Temporary Sediment Pond Plan and Calculations
Attachment I:	Inspection and Maintenance for BMPs
Attachment J:	Schedule of Interim and Permanent Soil Stabilization Practices

ATTACHMENT A | Spill Response Actions

Responsible Party

During construction, the responsible party for cleaning up spill can be any combination of the following individuals:

- 1. The owner or operator, including contractor (while during construction) of a facility from which a spill occurs.
- 2. The owner, operator, including contractor, operating a vehicle from which the spill occurs.
- 3. Other individuals who caused or allowed the spill or discharge to occur.

Spill Classification

There are two main categories of spills that can be identified: Major Spills and Minor Spills. Spill response actions and notifications to municipal entities may differ depending on the type and degree of spill. Major Spills can be classified as any spills where:

- 1. Material is considered a health or physical hazard based on its chemical or physical make up, or if the quantity of the spill exceeds the Reportable Quantity (RQ) as defined under Title 30 of the Texas Administrative Code (TAC) Chapter 327.4.
- 2. The spilled material has entered into the storm water drainage system, catchment basin, or adjoining creek or if it appears that discharge into the storm system will occur in the immediate future.
- 3. The spilled material has the ability to travel offsite.
- 4. The spilled material adversely affects the environment.
- 5. The spilled material cannot be controlled or contained by the responsible party.
- 6. The chemical or physical properties of the spilled material cannot be identified or is unknown.

Minor Spills are those that do not meet the criteria above.

Notification and Reporting Agencies

The following entities shall be contact during discovery of a spill:

- 1. State of Texas 24-Hour Spill-Reporting Hotline and the State Emergency Response Commission at **1-800-832-8224**
- Texas Commission on Environmental Quality (San Antonio Regional Office), Monday-Friday, 8:00 a.m.-5:00 p.m. at 14250 Judson Rd, San Antonio TX 78233-4480, Main Line: 210-490-3096

Reporting Items for Major Spills

When reporting a spill, the following information may be required to help identify, log, and track the spill:

- 1. The date/time of the spill
- 2. The identity/name of material released or spilled, and if the substance is considered hazardous.
- 3. The source of the release or spilled.

- 4. The quantity or material released or spilled.
- 5. The time or duration of which the spilled occurred.
- 6. The location/address of the spill.
- 7. The name of creek or waters involved or threatened and the extent of potential water pollution.
- 8. The contact information of the responsible party.
- 9. The steps being taken or proposed to contain and clean up the released or spilled material and any additional precautions.
- 10. Any injuries resulting from the spill, any known or anticipated health risks associated with the spill, or if additional medical precautions are required.
- 11. The identities of any municipal or private-sector representatives responding at the scene of the spill.
- 12. Possible hazards to the environment (air, soil, water, wildlife, etc.). This assessment may include references to accepted chemical databases, material safety data sheets, and health advisories. The TCEQ may request estimated or measured concentrations of the contaminant for the state's hazard assessment.

Reporting Items for Minor Spills

For minor spills that occur, the notification sequence described above is not required and can be treated directly onsite by the responsible parties involved by:

- 1. The first observer of the spill shall notify his/her supervisor and the onsite safety officer.
- 2. The supervisor must notify the owner, tenant, or their primary contact.
- 3. The immediate spill response plan/clean up actions shall be conveyed, documented and the owner/tenant shall be notified once cleanup is completed.

Equipment Needed for Minor Spills

Equipment and materials used to contain and/or restrict spreading of a spill can consist of spill pans and various forms of absorbent materials; which include granular material, socks, rock and gravel berms, pillows or pads, and sheets. Spill pans or pads can be placed under a continuing drip-type leak. Surrounding a minor spill with berms or socks contain a small spill area until proper removal procedures can occur.
ATTACHMENT B | Potential Sources of Contamination

Potential sources of contamination for this project include:

- Drippings from vehicles, both construction and non-construction related
- Grading and excavation activities: Stormwater runoff has the potential to be contaminated during the construction process with related excavation and site grading.
- Building materials: Materials include, but not limited to, concrete, wood, mortar, and paint among other materials.
- Trash and debris: These may include household trash items such as paper bags, cups, plastic ware, and food items.

ATTACHMENT C | Sequence of Major Activities

The following is the general sequence of major activities for this project:

- 1. Set up of temporary erosion control measures. (2.9 Acres)
- 2. Demolition of existing sidewalks, fence, irrigation system, and partial building.
- 3. Site grading and excavation. (±2.9 Acres Area to be disturbed)
- 4. Trenching and utility work for on-site irrigation. (±2.9 Acres)
- 5. Construct building addition. (±2.9)
- 6. Asphalt and concrete flatwork, including asphalt relay, curbing, sidewalks will be installed. (±2.9 Acres)
- 7. Sodding or seeding of all disturbed areas. (±2.9Acres)

For each of the items above, the necessary Temporary BMPs (TBMPs) and erosion control measures will be in-place prior to major construction activities such as grading, utility installation, and roadway construction. Following construction activities, soil stabilization controls will be implemented and temporary measures will be removed as needed on an individual basis.

Total disturbed area due to proposed construction will be approximately 2.9 acres.

ATTACHMENT D | Temporary Best Management Practices and Measures

- a. <u>Storm Water Up-gradient of the Project Site</u> There are no sources of up-gradient storm water that are within the New Magnet at Katherine Stinson Middle School project scope.
- <u>Storm Water Originating On-Site</u>
 No areas of the New Magnet at Katherine Stinson project site directly discharge into surface streams, sensitive features or the aquifer. All runoff from disturbed areas will have been treated by either temporary or permanent BMPs before ultimately discharging from the site.
- c. <u>Prevention of Pollutants from Entering Surface Streams, Sensitive Features, and Aquifer</u> Temporary and permanent BMPs will be installed with respect to the Katherine Stinson on-site and off-site drainage patterns. All runoff from disturbed areas will have been treated by either temporary or permanent BMPs before ultimately discharging from the site.
- d. Maintaining Flow During Construction

Temporary and permanent BMPs will be installed with respect to the Stinson Middle school on-site drainage patterns. Temporary BMPs will be installed to control silt and sediment from leaving the project site during the construction of the New Magnet at Katherine Stinson Middle School

ATTACHMENT E | Request to Temporarily Seal a Feature

This section does not apply for this project. There will not be temporary sealing of naturallyoccurring sensitive features on the site.

ATTACHMENT F | Structural Practices

Temporary structural practices include:

- Silt Fencing: To be placed along the down gradient boundary of the limits of construction activities.
- Rock Berms: To serve as a secondary barrier and is to be placed in the areas of concentrated flows, where indicated on construction plans.
- Construction Entrance/Exit: Will be placed to limit migration of sediment from the jobsite as construction site.
- Concrete Washout-Pits: To contain and control affected runoff from cement delivery trucks.

Please note that this site is not located within a studied floodplain and not exposed to potential flooding that may occur during heavy rainfall periods and therefore, would not adversely impact TBMP structures that are proposed to be used on-site during construction.



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LEGEND

VEGETATED FILTER STRIP

PROPOSED CONTOUR PROPOSED DRAINAGE FLOW

EXISTING CHAIN LINK FENCE EXISTING TELECOM LINE EXISTING BUS CIRCULATION EXISTING STUDENT DROP-OFF CIRCULATION\

EXISTING CONTOUR EXISTING GAS LINE EXISTING STORM SEWER LINE EXISTING SANITARY SEWER LINE EXISTING 12" WATER LINE

EXISTING UNDERGROUND ELECTRIC LIN

EXISTING WATER LINE

EXISTING OVERHEAD ELECTRIC LINE

EXISTING TELEPHONE BOX EXISTING MAILBOX EXISTING GUY WIRE EXISTING COLUMN

EXISTING SHRUB

EXISTING TREE

EXISTING WASTEWATER MANHOLE EXISTING GAS METER

EXISTING DOUBLE SIGN EXISTING IRRIGATION CONTROL VALVE

EXISTING SIGN

EXISTING ELECTRIC JUNCTION BOX EXISTING ELECTRIC MANHOLE EXISTING PULL BOX EXISTING TRANSFORMER EXISTING VALVE EXISTING GENERIC MANHOLE — — – EXISTING SEWER CLEAN-OUT EXISTING SPRINKLER HEAD

EXISTING POWER POLE



office: 210.227.2724 1 fax: 210.227.2730 200 E Grayson St Suite 115, San Antonio, TX 78215 pflugerarchitects.com
Image: Constraint of the systemDescriptionDescripti
NEW MAGNET AT KATHERINE STINSON MIDDLE SCHOOL 13200 SKYHAWK DRIVE SAN ANTONIO, TEXAS 78249
NORTHSIDE INDEPENDENT SCHOOL DISTRICT 5900 EVERS ROAD, BUILDING 'C' SAN ANTONIO, TX 78238
RUSSELL RINCON NUSSELL RINCON NI1669 OLZZZZZZ

ATTACHMENT H | Temporary Sediment Pond(s) Plans and Calculations

This section does not apply for this project. The drainage area that flows through the project site is less than 10-acres.

ATTACHMENT I | Inspection and Maintenance for BMPs

Silt Fence

- 1. Inspect all fencing weekly, and after any rainfall events.
- 2. Remove sediment when buildup reaches 6 inches.
- 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. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at a common vehicle access points.
- 5. When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the silt fence should be re-vegetated. The fence itself should be disposed of in an approved landfill.

Rock Berm

- 1. Inspection should be made weekly and after each rainfall event by the responsible party. For installation in streambeds, additional daily inspections should be made.
- 2. Remove sediment and other debris when buildup reaches 6 inches and dispose of the accumulated silt in an approved manner that will not cause any additional siltation.
- 3. Repair any loose wire sheathing.
- 4. The berm should be reshaped as needed during inspection.
- 5. The berm should be replaced when the structure ceases to function as intended due to silt accumulation.
- 6. The rock berm should be left in place until all upstream areas are stabilized and accumulated silt removed.

Temporary Construction Entrance/Exit

- 1. The entrance should be maintained in a condition, which will prevent transfer of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment.
- 2. All sediment spilled, dropped, washed or tracked 3. When necessary, wheels should be cleaned and remove sediment prior to entrance onto public right-of-way.
- 3. When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin.
- 4. All sediment should be prevented from entering any storm, drain, ditch, or water course by using approved methods.

If any sediment escapes the site during construction activities, off site accumulations must be removed to minimize offsite impacts to water quality. An inspection form has been attached.

ATTACHMENT J | Schedule of Interim and Permanent Soil Stabilization Practices

Approximately <u>2.9</u> acres of the overall <u>25</u> acres will be disturbed during initial construction activities. Soil stabilization will be implemented primarily by the following practices.

- 1. Re-establishment of vegetation, around the perimeter of the disturbed areas, to be maintained by the owner after construction activities have been completed to ensure it has been adequately established.
- 2. Asphalt Pavement Relay.

The project is scheduled for completion in 2026 calendar year. During construction, TBMPs will be implemented. Permanent BMPs will be installed and constructed per the plans including any soil stabilization practices.

Interim on-site stabilization measures will be on-going and consist with minimizing soil disturbances for the shortest duration of time "practical". As soon as practical, all disturbed soil will be stabilized as per project specifications in accordance TCEQ's Technical Guidance Manual (TGM) RG-348. Project stabilization practices will include, but not limited to, the use of sod and seeding.

Stabilization measures are to be completed as soon as practicable at locations where construction activities have temporarily or permanently ceased. Bare oils to be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days.

Permanent Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(C), (D)(Ii), (E), and (5), Effective June 1, 1999

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

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

Signature

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

Print Name of Customer/Agent: Russell Rincon, P.E.

Date: <u>03/07/25</u>

Signature of Customer/Agent

Regulated Entity Name: KATHERINE STINSON MIDDLE SCHOOL

Permanent Best Management Practices (BMPs)

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

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



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

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

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

N/A

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

_____N/A

- 4. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
 - The site will be used for low density single-family residential development and has 20% or less impervious cover.
 - The site will be used for low density single-family residential development but has more than 20% impervious cover.
 - The site will not be used for low density single-family residential development.
- 5. The executive director may waive the requirement for other permanent BMPs for multifamily residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
 - Attachment A 20% or Less Impervious Cover Waiver. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.
 - The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
 - The site will not be used for multi-family residential developments, schools, or small business sites.
- 6. Attachment B BMPs for Upgradient Stormwater.

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

11. 🔀	Attachment G - Inspection, Maintenance, Repair and Retrofit Plan. A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:
	Prepared and certified by the engineer designing the permanent BMPs and measures
	 Signed by the owner or responsible party Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
	A discussion of record keeping procedures
	N/A
12. 🗌	Attachment H - Pilot-Scale Field Testing Plan . Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
\boxtimes	N/A
13.	Attachment I -Measures for Minimizing Surface Stream Contamination. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused

degradation. N/A

Responsibility for Maintenance of Permanent BMP(s)

by the regulated activity, which increase erosion that results in water quality

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

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

N/A

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

N/A

Supplemental Attachments for

TCEQ F-0600 Permanent Stormwater Section

Katherine Stinson Middle School

Table of Attachments:

Attachment A:	20% or Less Impervious Cover Waiver
Attachment B:	BMPs for Up-gradient Stormwater
Attachment C:	BMPs for On-site Stormwater
Attachment D:	BMPs for Surface Streams
Attachment E:	Request for Seal Features
Attachment F:	Construction Plans
Attachment G:	Inspection, Maintenance, Repair, and Retrofit Plan
Attachment H:	Pilot-Scale Field Testing Plan
Attachment I:	Measures for Minimizing Surface Stream Contamination
Attachment J:	Jellyfish Filter Calculations

ATTACHMENT A | 20% or Less Impervious Cover Waiver

This section does not apply for this project. The site will <u>not</u> be used for multi-family residential development, schools, or small business with 20% or less impervious cover.

ATTACHMENT B | BMPs for Upgradient Stormwater

This section does not apply for this project. No upgradient stormwater contributes to this site.

ATTACHMENT C | BMPs for On-Site Stormwater

A Jellyfish Filter is proposed for the New Magnet at Katherine Stinson Middle School Project as the Permanent BMP to treat and remove TSS prior to entering the public waterway. Plans for Jellyfish Filter is included in Attachment F for this section.

The Jellyfish Filter is designed per the TCEQ Design Manual, and is expected to remove more than 86% of the TSS associated with the proposed impervious cover.

ATTACHMENT D | BMPs for Surface Streams

No adverse impacts to nearby surface streams are expected. There is no increase in runoff anticipated with his project.

ATTACHMENT E | BMPs for Seal Features

This section does not apply for this project. The site does <u>not</u> have naturally occurring sensitive features.

ATTACHMENT F | Construction Plans

Attached are construction plan(s) for proposed jellyfish filter.

GENERAL NOTES

- CONFLICTS IN THE PLANS AND/OR SPECIFICATIONS FOUND BY THE CONTRACTOR SHALL BE PROMPTLY REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- 2. BIDDERS ARE HEREBY NOTIFIED TO MAKE SUBSURFACE INVESTIGATIONS AS THEY DEEM NECESSARY. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ATB, ROCK, SAND, GRAVEL OR OTHER UNSTABLE CONDITIONS ENCOUNTERED IN EXCAVATION.
- 3. CONTRACTOR IS TO MAINTAIN UNRESTRICTED DRAINAGE OF THE PROJECT SITE AND ADJACENT AREAS DURING CONSTRUCTION.
- 4. AFTER COMPLETION OF ALL WORK, THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM WITHIN THE PROJECT LIMITS AND LEAVE THE WORK AREA NEAT AND CLEAN. ANY TEMPORARY FILL TO FACILITATE CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.
- 5. ALL DISTURBED AREAS SHALL BE FINISHED WITH TOPSOIL COMBINED WITH HYDROMULCH OR SOD. SEE LANDSCAPE PLANS. 6. IF SUSPECTED CONTAMINATION IS ENCOUNTERED DURING CONSTRUCTION
- OPERATIONS, N.I.S.D. AND/OR THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY. THE NOTIFICATION SHOULD INCLUDE LOCATION, TYPE OF CONTAMINATED MEDIA, EVIDENCE OF CONTAMINATION AND MEASURES TAKEN TO CONTAIN THE CONTAMINATED MEDIA AND PREVENT PUBLIC ACCESS. THE CONTAMINATED SOIL AND/OR GROUNDWATER SHALL NOT BE REMOVED FROM THE LOCATION WITHOUT PRIOR N.I.S.D.'S OR ENGINEER'S APPROVAL. THE CONTRACTOR MUST STOP THE EXCAVATION IMMEDIATELY AND CONTACT THE OWNER AND/OR ENGINEER. THE CONTRACTOR WILL NOT RE-COMMENCE EXCAVATION ACTIVITIES WITHOUT WRITTEN PERMISSION FROM THE OWNER OR ENGINEER.
- ANY MATERIALS REMOVED AND/OR EXCAVATED AND NOT REUSED AND DETERMINED TO BE SALVAGEABLE SHALL BE STORED OR REINSTALLED AT AN APPROVED LOCATION OR DELIVERED UNDAMAGED TO A STORAGE FACILITY AS DIRECTED. THE SCHOOL HAS FIRST RIGHT AND REFUSAL ON ALL ITEMS REMOVED (MEMORIAL PLAQUE, FLAGPOLE, SUNDIAL, ETC.). CONTRACTOR TO COORDINATE WITH ARCHITECT AND SCHOOL ADMINISTRATION. PROPERLY DISPOSE UNSALVAGEABLE MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL CONDITION, OR BETTER, ANY DAMAGE DONE TO EXISTING BUILDINGS. RETAINING WALLS, UTILITIES, FENCES, PAVEMENT, CURBS, LANDSCAPE, IRRIGATION PIPES, DRIVEWAYS (NO SEPARATE PAY ITEM). CONTRACTOR SHALL RESTORE THE CONSTRUCTION AREA AND STAGING AREAS TO ORIGINAL CONDITION, OR BETTER, PRIOR TO FINAL INSPECTION.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION AT ALL TIMES.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL EROSION CONTROL FACILITIES BEFORE, DURING AND AFTER ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- 11. FOR PEDESTRIAN SAFETY, THE CONTRACTOR SHALL INSTALL CONSTRUCTION FENCING AROUND THE PROJECT PERIMETER CLEARLY IDENTIFYING THE PROJECT LIMITS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING ANY CONSTRUCTION MATERIALS FROM ADJACENT WATERWAYS AFTER A FLOOD EVENT. REPAIR OF ANY DAMAGES TO DRAINAGE STRUCTURES IN THE PROJECT AREA, OR DOWNSTREAM CAUSED BY CONSTRUCTION DEBRIS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- NSID IS RESPONSIBLE FOR ALL THE MATERIAL TESTING AND IT'S REQUIREMENTS NOTATED IN THE CONSTRUCTION SPECIFICATION(S). CONSTRUCTION SHALL PASS ALL TESTS/ INSPECTIONS BY THE APPROVING AGENCIES BEFORE FINAL PAYMENT, ANY COSTS INCURRED FROM FAILED AND/ OR RE-INSPECTIONS WILL BE PAID BY THE CONTRACTOR.
- 14. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT ALL TRAFFIC CONTROL DEVICES (IF NEEDED) ARE PROPERLY INSTALLED AND MAINTAINED AT THE JOB SITE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND RELATED INDUSTRY STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL SUBMIT FOR REVIEW A SIGN AND BARRICADE PLAN CONFORMING TO THE REQUIREMENTS OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL PERMANENT SIGNS SALVAGED OR TRAFFIC CONTROL DEVICES MISSING OR DAMAGED UPON COMPLETION OF CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 16. THE CONTRACTOR MUST MAINTAIN ALL STREETS OPEN TO THROUGH TRAFFIC FOR ALL FACILITY VEHICLES AND DELIVERIES.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE ACCESS ACCOMMODATIONS FOR STUDENTS AND PEDESTRIANS.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES, ETC., SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT DIRECT PAYMENT, UNLESS OTHERWISE NOTED OR STATED.
- CONTRACTOR SHALL PROVIDE APPROPRIATE SAFE ACCESS AND BARRICADE WORK AT ALL TIMES TO PROTECT THE PUBLIC. THE SITE MUST BE LEFT IN A SECURE SAFE CONDITION AT NIGHT. THIS INCLUDES SUBSTANTIAL BARRICADES AROUND ALL TRENCHES, OPEN EXCAVATIONS, EQUIPMENT ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE NECESSARY PRECAUTIONS TO PROTECT THE PUBLIC THROUGHOUT THE DURATION OF THE PROJECT.
- WORK COMPLETED BY THE CONTRACTOR WHICH HAS NOT RECEIVED A WORK ORDER OF THE NOTICE TO PROCEED BY N.I.S.D. WILL BE SUBJECT TO REMOVAL AND REPLACEMENT BY AND AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR WILL KEEP THE AREA ON TOP OF AND AROUND THE METER BOXES, CONTROL VALVES, MANHOLE COVERS, WATER VALVES, GAS VALVES, ETC. FREE OF ALL OBJECTS AND DEBRIS.
- NO EQUIPMENT, VEHICLES OR MATERIALS SHALL OPERATE OR BE STORED WITHIN THE ROOT PROTECTION ZONE OF ANY TREE NEAR THE PROJECT ROOT PROTECTION ZONE IS 1 FOOT OF RADIUS PER INCH OF TREE'S DIAMETER. A 10-INCH DIAMETER TREE WOULD HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. OAK WOUNDS SHALL BE PAINTED OVER WITHIN 30 MINUTES TO PREVENT OAK WILT. REFER TO LANDSCAPE SPECIFICATIONS.
- TREES, TREE LIMBS, BUSHES AND SHRUBS WHICH INTERFERE WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE PROPERLY PRUNED FOLLOWING THE ANSI A-300 STANDARDS FOR PRUNING. ALL TREE PRUNING SHALL BE COMPLETED BY A TREE MAINTENANCE LICENSED CONTRACTOR ONLY AFTER APPROVAL FROM THE PROJECTS MANAGEMENT. REFER TO LANDSCAPE SPECIFICATIONS.
- ALL DEBRIS GENERATED BY THE PRUNING AND TRIMMING OF THE TREES AND / OR BUSHES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY (NO SEPARATE PAY ITEM). REFER TO LANDSCAPE SPECIFICATIONS.
- TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE OWNERS SATISFACTION. REFER TO LANDSCAPE SPECS.
- TREE PLANTING FOR MITIGATION: ALL PLANTED TREES SHALL BE MAINTAINED IN A HEALTHY CONDITION AT ALL TIMES. THIS INCLUDES IRRIGATION, FERTILIZING, PRUNING AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT. TREES THAT DIE WITHIN TWELVE (12) MONTHS SHALL BE REPLACED WITH A TREE OF EQUAL SIZE AND SPECIES. REFER TO LANDSCAPE SPECIFICATIONS.
- STAGING AREA: COORDINATION WITH N.I.S.D AND KATHERINE STINSON MIDDLE SCHOOL ADMINISTRATORS IS REQUIRED PRIOR TO PARKING LOT CONSTRUCTION AND/OR STAGING AREA. SECURITY FENCING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT PLANS, SPECIFICATIONS, AND ADDENDA (IF ISSUED). IF THERE IS NO REFERENCE TO A TASK IN THESE DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR GUIDANCE/ CLARIFICATION IN THE FORM OF A WRITTEN REQUEST FOR INFORMATION (RFI) NUMBERED SEQUENTIALLY.
- THESE ARE EXISTING SITES. A SITE SURVEY WAS PERFORMED AND IS INCLUDED AS A PROJECT DRAWING FOR INFORMATION PURPOSES. THIS INFORMATION IS BY NO MEANS COMPLETE AND NO GUARANTEES MADE OR IMPLIED AS TO ITS COMPLETENESS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR THE MAINTENANCE AND PROTECTION OF THE EXISTING UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HERE ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES DURING CONSTRUCTION.

- 30. THIS WORK IS TO BE DONE IN AND AROUND OCCUPIED BUILDINGS. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE IMMEDIATE WORK AREA AND SHALL PROVIDE FOR THE SAFETY OF PERSONS AND PROPERTY. EXISTING VEGETATION, PLANTS, SHRUBS, TREES AND GRASS, ETC., SHALL BE PROTECTED AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER CONDITION, ANY DAMAGE DONE TO STREETS, PARKING AREAS, CURBS, WALKS, UTILITIES, DRIVES, FENCES, ETC. REPAIRS OR REPLACEMENT SHALL NOT BE CONSIDERED A SEPARATE PAY ITEM.
- 31. CONTRACTOR SHALL NOTIFY ENGINEER FOR INSPECTION OF WORK BEFORE CONTINUING AND COMPLETION. 32. ANY CHANGES IN THE SCOPE OF THE WORK SHALL BE APPROVED BY THE OWNER BEFORE THE CONTRACTOR COMMENCES WITH THE
- CHANGES 33. CONTRACTOR IS REQUIRED TO RE-STRIPE PARKING AREAS DAMAGED BY PLACEMENT OF MATERIAL IN STAGING AREAS.
- 34. CONTRACTOR SHALL BE CAUTIONED THERE ARE SPRINKLER LINES, VALVES, WIRES, THROUGHOUT THE CAMPUS.
- VALVE BOXES THROUGHOUT THE PROJECT LIMITS. IF THERE SHOULD BE DAMAGE TO SPRINKLER HEADS, IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO REPAIR OR REPLACE HEADS AND/OR VALVE BOXES. 36. CONTRACTOR TO REFER TO SPECIAL CONDITIONS IN THE CONSTRUCTION SPECIFICATIONS.
- 37. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY NISD AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
- CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290.
- CURRENT TXDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE".
- CURRENT "SAN ANTONIO WATER SYSTEM STANDARD С SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION".
- CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
- THE SAWS WEBSITE, http://www.saws.org/business_center/specs. UNLESS OTHERWISE NOTED WITHIN THE DESIGN PLANS.



39. LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO NISD.

40. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACULTIES.

41. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION IF DAMAGES ARE MADE AS A RESULT OF THE PROJECT'S CONSTRUCTION.

42. ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) AND/OR BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT 43. THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE

ORDINANCES WHEN EXCAVATING NEAR TREES. REFER TO LANDSCAPING PLANS. 35. CONTRACTOR TO EXERCISE CAUTION AROUND SPRINKLER HEADS AND 44. THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST

OBTAINING AN APPROVED FLOOD PLAIN PERMIT. 45. COMPACTION NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE COMPACTION REQUIREMENTS ON ALL TRENCH BACKFILL AND FOR PAYING FOR THE TESTS PERFORMED BY A THIRD PARTY. COMPACTION TESTS WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED, OR AS INDICATED BY THE NISD AND/OR THE TEST ADMINISTRATOR, PER EACH 8 - INCH LOOSE LIFT PER 400 LINEAR FEET AT A

MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY NISD WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTS TEST RESULTS.

46. A COPY OF ALL TESTING REPORTS SHALL BE FORWARDED TO NISD, ARCHITECT, AND PROJECT ENGINEER. 47. ALL WASTE, DEMOLISHED MATERIALS, AND EXCAVATED SOILS/MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE THEIR SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE PROJECT TO AN APPROPRIATE DISPOSAL SITE PER LOCAL, STATE, AND FEDERAL

48. THE DISPOSAL OF ALL WASTE, DEMOLISHED MATERIALS, AND EXCAVATED SOILS/MATERIALS SHALL BE INCLUDED IN THE BASE BID PRICE OF THIS PROJECT.

49. ALL SIDEWALK RAMPS TO BE "BROOM FINISH" NOT SCORED.

REQUIREMENTS.

REGULATIONS.

REPRESENTATIVE.

50. ALL AREAS DISTURBED DUE TO CONSTRUCTION, CONSTRUCTION ROUTES, LAY DOWN AREAS, DEMOLITION OR ANY TYPE OF DISTURBANCE SHALL BE SODDED OR HYDROMULCHED AND SHALL BE ESTABLISHED PRIOR TO OWNER ACCEPTANCE.

38. THE CONTRACTOR SHALL OBTAIN THE SAWS STANDARD DETAILS FROM 51. ANY MATERIALS OR EQUIVALENT (i.e. PLAYGROUND, ATHLETIC EQUIPMENT) SHALL BE DEEMED SALVAGEABLE. THE SCHOOL HAS FIRST RIGHT OF REFUSAL ON ALL ITEMS. IF IT IS DEEMED THAT MATERIALS AND/OR EQUIPMENT IS NOT SALVAGEABLE (BY N.I.S.D.), CONTRACTOR TO DESPOSE OF MATERIAL AND EQUIPMENT PER LOCAL, STATE AND FEDERAL GUIDELINES. CONTRACTOR TO COORDINATE WITH N.I.S.D.

EXISTING POWER POLE EXISTING ELECTRIC JUNCTION BOX EXISTING ELECTRIC MANHOLE EXISTING PULL BOX EXISTING TRANSFORMER EXISTING VALVE EXISTING GENERIC MANHOLE EXISTING SEWER CLEAN-OUT

EXISTING SPRINKLER HEAD

EXISTING SIGN	
EXISTING DOUBLE SIGN	_
EXISTING IRRIGATION CONTROL VALVE	
EXISTING WASTEWATER MANHOLE	
EXISTING GAS METER	
EXISTING SHRUB	
	EXISTING SIGN EXISTING DOUBLE SIGN EXISTING IRRIGATION CONTROL VALVE EXISTING WASTEWATER MANHOLE EXISTING GAS METER EXISTING SHRUB

CONTROL POINTS			OINTS	
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM #1	13754658.8'	2079494.8'	942.44'	BM CHM SQUARE IN CONC.CHM SQUARE IN CONC
BM #2	13754736.7'	2080702.1'	946.52'	BM CHM SQUARE SET IN CONC/CHM SQUARE IN CONC
BM #3	13754901.10'	2079824.6'	943.98'	BM CHM W/X
TPT # 5	13754684.30'	2079486.66'	943.25'	1/2" IR W/ RED BMB CONTROL CAP
CNP #6	13755336.58'	2079883.59'	945.67'	60D NAIL IN ASPH
TPT # 10	13755314.00'	2079479.13'	950.21'	1/2" IR W/ RED BMB CONTROL CAP
TPT # 15	13755339.06'	2080728.59'	949.81'	1/2" IR 1/ RED BMB CONTROL CAP
TPT # 20	13754700.68'	2080732.72'	943.29'	1/2" IR W/ RED BMB CONTROL CAP

NOTES: 1. COORDINATES AND DISTANCES ARE BASED TEXAS STATE PLANE COORDINATE SYSTEM. SOUTH CENTRAL ZONE (4204) NORTH AMERICAN DATUM OF 1983 (NAD 83) 2011. VERTIICAL DATUM IS NAVD86 BASED ON A CONVENTIONAL LEVEL LOOP THROUGH EXISTING BENCHMARK PROVIDED BY TXDOT THRU CONTROL POINTS.

NOTES: 1. COORDINATES SHOWN HEREON ARE BASED ON TEXAS STATE PLANE COORDINATE SYSTEM. SOUTH CENTRAL ZONE (4204) NORTH AMERICAN DATUM OF 1983 (NAD 83) 2011 ADJUSTMENT COORDINATES ARE

SURFACE VALUES. 2. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) VALUES WERE ESTABLISHED BY GPS OBSERVATION USING GEOID 18.

LEGEND

EXISTING TREE	$\overline{(\cdot)}$
EXISTING TELEPHONE BOX	\sim
EXISTING MAILBOX	•
EXISTING GUY WIRE	—)
EXISTING COLUMN	\bigcirc
EXISTING OVERHEAD ELECTRIC LINE	OHE
EXISTING UNDERGROUND ELECTRIC LIN	UE

EXISTING GAS LINE **EXISTING STORM SEWER LINE** EXISTING SANITARY SEWER LINE EXISTING 12" WATER LINE EXISTING WATER LINE **EXISTING CHAIN LINK FENCE** EXISTING TELECOM LINE **EXISTING BUS CIRCULATION** EXISTING STUDENT DROP-OFF CIRCULATION

GAS
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EXISTING PARKING			
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211	8	0	

DEMOLITION PLAN

$40 \qquad 0 \qquad 20 \qquad 40 \qquad 80$ $E = 1^{1} = 40^{1}$	pfluger	office: 210.227.2724 1 fax: 210.227.2730 200 E Grayson St Suite 115, San Antonio, TX 78215 pflugerarchitects.com
EXISTING POWER POLE EXISTING ELECTRIC JUNCTION BOX EXISTING ELECTRIC MANHOLE EXISTING PULL BOX EXISTING TRANSFORMER EXISTING TRANSFORMER EXISTING VALVE EXISTING GENERIC MANHOLE EXISTING SEWER CLEAN-OUT EXISTING SEWER CL	BAIN MEDIN ENGINEERS & 7073 SAN P SAN ANTONIG 210/4 TBPE N TBPLS NO	B A BAIN, INC. SURVEYORS PEDRO AVE. 0, TEXAS, 78216 94-7223 (0, F-1712 0, 10020900
EXISTING SPRINKLER HEAD		SM
EXISTING TELEPHONE BOX EXISTING MAILBOX EXISTING GUY WIRE EXISTING COLUMN EXISTING COLUMN EXISTING OVERHEAD EXISTING UNDERGROUND ELECTRIC LINE EXISTING UNDERGROUND ELECTRIC LINE EXISTING GAS LINE EXISTING GAS LINE EXISTING GAS LINE EXISTING STORM SEWER LINE EXISTING SANITARY SEWER LINE EXISTING SANITARY SEWER LINE EXISTING VATER LINE EXISTING VATER LINE EXISTING CHAIN LINK FENCE EXISTING BUS CIRCULATION EXISTING STUDENT DROP-OFF CIRCULATION EXISTING CONCRETE TO BE REMOVED	NEW MAGNET AT KATHERINE STINSON MIDDLE SCHOOL	13200 SKYHAWK DRIVE SAN ANTONIO, TEXAS 78249
EXISTING ROOF TO BE REMOVED	NORTHSIDE INDEPENDENT SCHOOL DISTRICT	5900 EVERS ROAD, BUILDING 'C' SAN ANTONIO, TX 78238
 EXISTING PERIMETER FENCE TO BE REMOVED. EXISTING ROOF TO BE REMOVED. SEE ARCHITECTURAL PLANS. EXISTING CONCRETE TO BE REMOVED. SEE ARCHITECTURAL PLANS. EXISTING COLUMN TO BE REMOVED. SEE ARCHITECTURAL/ STRUCTURAL PLANS. EXISTING COVERED WALKWAY CANOPY TO BE REMOVED. SEE ARCHITECTURAL/ STRUCTURAL PLANS. EXISTING COVERED WALKWAY CANOPY TO BE REMOVED. SEE ARCHITECTURAL/ STRUCTURAL PLANS. EXISTING LIGHT STANDARD TO REMAIN AND BE PROTECTED. EXISTING METAL GRATE TO BE REMOVED. EXISTING RETAINING WALL TO BE REMOVED. EXISTING PIPE GATE TO REMOVED. EXISTING CONCRETE CURB TO BE REMOVED. EXISTING CHAIN LINK FENCE TO BE REMOVED AFTER COMPLETION OF NEW ADMINISTRATION WING AND AFTER TEMPORARY PORTABLES HAVE BEEN VACATED. SEE ARCHITECTURAL PHASING PLAN. EXISTING FENCING TO REMAIN. EXISTING CONCRETE TO BE REMOVED DURING PHASE 1A. PROPOSED TRENCH REPAIR. SEE CIVIL DETAILS. 	PROJECT NO. DATE: DRAWN BY: MRH REVISIONS: NO. DATE	RINCON 69 01/06/2025 24-018 01/06/2025 CHECKED BY: DESCRIPTION
 CONTRACTOR TO SAW-CUT AND REMOVE EXISTING SIDEWALK AND CURB FROM THE NEAREST JOINT FOR THE PORTABLE UTILITIES. EXISTING SIGN TO BE REMOVED. EXISTING FENCING TO BE REMOVED DURING PHASE 1A. EXISTING SIGN TO REMAIN AND BE PROTECTED FULL PAVEMENT 20" DEPTH RECONSTRUCTION FOR STRUCTURAL OVER-BUILD. SEE STRUCTURAL PLANS FOR LIMITS OF CONSTRUCTION. 	PL C-	an 2.0

PROPOSED "U" BIKE RACK *		
# OF BIKE RAILS	BIKE SPACES REQUIRED	
11	22	
* BASED ON 222 PARKING		

SPACES ON CAMPUS

PROPOSED PARKING			
SPACES	ADA SPACE	ADA VAN	
222	6	1	

PROPOSED SITE PLAN

KEYNOTES

- 1 PROPOSED 2.5" ASPHALT PAVEMENT. SEE CIVIL DETAILS.
- $\left< \frac{2}{2} \right>$ PROPOSED STRIPING. SEE PAVEMENT MARKING PLAN.
- $\sqrt{3}$ PROPOSED CONCRETE SIDEWALK SECTION. SEE CIVIL DETAILS.
- 4 PROPOSED WHEEL STOPS. SEE CIVIL DETAILS.
- $\sqrt{5}$ PROPOSED 8' TALL CHAIN LINK VEHICULAR GATE WITH KNOX PAD LOCK. (12' WIDE OPENING). (2-6' GATE OPENINGS)
- $\left< \frac{6}{6} \right>$ PROPOSED 8' TALL CHAIN-LINK FENCE.
- $\langle 7 \rangle$ PROPOSED 8' TALL CHAIN-LINK GATES. (5' WIDE OPENING).
- $\left< 8 \right>$ PROPOSED ACCESSIBLE RAMP.
- $\left<9\right>$ PROPOSED 7" CONCRETE CURB. SEE CIVIL DETAILS. $\langle 10 \rangle$ PROPOSED FLAG POLE. SEE CIVIL DETAILS.
- $\langle 11 \rangle$ PROPOSED CONCRETE PLANTER. SEE STRUCTURAL PLANS.
- $\langle 12 \rangle$ PROPOSED BIKE RACK (QTY 11). $\langle 13 \rangle$ PROPOSED PAVERS. SEE LANDSCAPE PLANS.
- $\langle 14 \rangle$ PROPOSED SPEED HUMPS. SEE CIVIL DETAILS.
- $\langle 15 \rangle$ PROPOSED CANOPY. SEE STRUCTURAL PLANS.
- $\langle 16 \rangle$ PROPOSED ENTRANCE. SEE ARCHITECTURAL PLANS.

- $\langle 17 \rangle$ PROPOSED HANDRAIL. SEE STRUCTURAL PLANS.
- PROPOSED 2.5" ASPHALT PAVEMENT TO BE COMPLETED DURING PHASE III.SEE ARCHITECTURAL PHASING PLAN. SEE CIVIL DETAILS FOR PAVEMENT SECTION.
- (19) PROPOSED STRUCTURAL CONCRETE. SEE STRUCTURAL PLANS.
- 20 PROPOSED FIRE LANE SIGNS. SEE FIRE PROTECTION PLAN.
- 21 PROPOSED 2X2 GRATE INLET. SEE CIVIL DETAILS.
- $\langle 22 \rangle$ PROPOSED 3X3 JUNCTION BOX. SEE CIVIL DETAILS.
- $\langle 23 \rangle$ PROPOSED JELLYFISH FILTER. SEE STORM SEWER PLAN.
- 24 PROPOSED SIGNS. SEE PAVEMENT MARKING & SIGNAGE PLAN FOR MORE DETAILS.
- 25 PROPOSED CONCRETE OUTFALL. SEE CIVIL DETAILS.
- $\langle 26 \rangle$ PROPOSED COMBINATION TYPE RETAINING WALL. SEE CIVIL DETAILS.
- PROPOSED 6" THICK CONCRETE WALL. CONCRETE TO BE 3,000 PSI AT 28 DAYS WITH #3 BARS AT 18" O.C.E.W.
- 28 PROPOSED STONE IN MORTAR SECTION SEE CIVIL DETAILS.
- 29 PAVEMENT FULL RECONSTRUCTION CONTRACTOR TO USE 2" TYPE "D" HMAC, 12" COMPLETE FLEX BASE (95% COMPRESSION DENSITY), 6" PREPARED SUBGRADE.

TEMPORARY UTILITY PLAN

ISTING FOWER FOLE		EXISTING WASTEWATER MANHOLE	(
ISTING ELECTRIC JUNCTION BOX	E	EXISTING GAS METER	R
ISTING ELECTRIC MANHOLE	Ē		\otimes
ISTING PULL BOX	PBX	EXISTING SHRUB	
ISTING TRANSFORMER	T	EXISTING TREE	$\overline{\left(\cdot\right)}$
ISTING VALVE	$\langle\!$		
ISTING GENERIC MANHOLE	\bigcirc	EXISTING MAILBOX	•
ISTING SEWER CLEAN-OUT	- \	EXISTING GUY WIRE	\longrightarrow
ISTING SIGN		EXISTING COLUMN	\bigcirc
ISTING DOUBLE SIGN		EXISTING OVERHEAD — ELECTRIC LINE	OHE
ISTING IRRIGATION CONTROL LVE	v	EXISTING UNDERGROUND — ELECTRIC LIN	UE

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ΕX

EXISTING POWER POLE

EXISTING STORM SEWER LINE EXISTING SANITARY SEWER LINE EXISTING 12" WATER LINE EXISTING WATER LINE EXISTING CHAIN LINK FENCE EXISTING TELECOM LINE EXISTING BUS CIRCULATION EXISTING STUDENT DROP-OFF CIRCULATION

EXISTING GAS LINE

ASPHALT REPAIR	
PROPOSED CONCRETE	

LEGEND

1. CONTRACTOR SHALL FIRST LOCATE EXISTING WATER LINE ALIGNMENT AND DEPTH. CONTRACTOR IS THEN TO IMMEDIATELY NOTIFY ENGINEER OF LOCATION AND DEPTH OF WATERLINE FOR PLAN ADJUSTMENTS, IF NECESSARY.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND LOCATE THE UTILITY CONNECTION POINTS PRIOR TO COMMENCING CONSTRUCTION. THE DESIGN ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DEVIATIONS ARE DISCOVERED FROM THE PLANS.

3. UNDERGROUND UTILITIES SHOWN ARE BASED ON UTILITY MAPS PROVIDED BY SAWS AND LOCATED BY SURVEY. NO UTILITIES WERE MARKED ON SITE.

4. MAINS SHALL BE DISINFECTED WITH DRY HTH WHERE SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE INSPECTOR, AND SHALL NOT EXCEED A TOTAL LENGTH OF 800 FEET. THIS METHOD OF DISINFECTION WILL ALSO BE FOLLOWED FOR MAIN REPAIRS. THE CONTRACTOR SHALL UTILIZE ALL APPROPRIATE SAFETY MEASURES TO PROTECT HIS PERSONNEL DURING DISINFECTION OPERATIONS. ALL TEES AND VALVES MUST BE MECHANICAL JOINTS (MJ) UNLESS SHOWN OTHERWISE.SAWS CONSTRUCTION NOTES COUNTER PERMIT AND GENERAL CONSTRUCTION PERMIT.

5. FIRELINE SHALL BE HYDROSTATIC TESTED, CHLORINATED, AND ACCEPTED BY OWNER PRIOR TO CONNECTING TO EXISTING MAIN.

CAUTION:

CONTRACTOR TO NOTIFY TEXAS ONE CALL AT 1-800-245-4545 48 HOURS PRIOR TO CONSTRUCTION FOR UTILITY LINE LOCATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY SIGNIFICANT DISCREPANCIES OR REQUIRED DESIGN CHANGES. EXISTING UTILITIES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY. ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION.

TRENCH EXCAVATION SAFETY PROTECTION: CONTRACTOR AND/OR CONTRACTOR'S

INDEPENDENTLY RETAINED EMPLOYEE OR DESIGN/GEOTECHNICAL/SAFETY STRUCTURAL EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS PROGRAMS, AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

25.0'

25.0'

WATER SECTION:

1. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH NISD AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO NISD OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.

2. SUITABLE ANCHORAGE/THRUST BLOCKING OR JOINT RESTRAINT SHALL BE PROVIDED AT ALL OF THE FOLLOWING MAIN LOCATIONS: DEAD ENDS, PLUGS, CAPS, TEES, CROSSES, VALVES, AND BENDS, IN ACCORDANCE WITH THE STANDARD DRAWINGS DD-839 SERIES AND ITEM NO. 839, IN THE SAWS STANDARD SPECIFICATIONS FOR CONSTRUCTION.

3. ALL VALVES SHALL READ "OPEN RIGHT".

4. PIPE DISINFECTION WITH DRY HTH FOR PROJECTS LESS THAN 800 LINEAR FEET. (ITEM NO. 847.3): MAINS SHALL BE DISINFECTED WITH DRY HTH WHERE SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE INSPECTOR, AND SHALL NOT EXCEED A TOTAL LENGTH OF 800 FEET. THIS METHOD OF DISINFECTION WILL ALSO BE FOLLOWED FOR MAIN REPAIRS. THE CONTRACTOR SHALL UTILIZE ALL APPROPRIATE SAFETY MEASURE TO PROTECT HIS PERSONNEL DURING DISINFECTION OPERATIONS.

5. FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED, AND INSPECTOR HAS RELEASED THE MAIN FOR TIE-IN AND USE.

6. DURING HYDROSTATIC TESTING, CONTRACTOR IS TO NOTIFY ENGINEER TO INSPECT PROPOSED FIRE HYDRANT. CONTRACTOR SHALL NOT BACKFILL FIRE HYDRANT AND ITS CONNECTIONS UNTIL ENGINEER HAS INSPECTED.

GENERAL NOTES:

1. ALL NEW UTILITIES ON NISD PROPERTY SHALL BE BACKFILLED WITH FLOWABLE FILL UNDERNEATH EXISTING AND PROPOSED PAVEMENT. THIS SHALL APPLY TO ALL UTILITIES ASSOCIATED WITH THIS PROJECT UNLESS OTHERWISE NOTED IN THE PROJECT CONSTRUCTION DOCUMENTS. THIS INCLUDES (BUT NOT LIMITED TO) WATER, SEWER, ELECTRICAL, PLUMBING, AND TELECOM PLANS.

2. CONTRACTOR TO CLEAN, WIPE, AND RESTORE ALL EXISTING SANITARY SEWER MANHOLES BEING TIED INTO.

3. CONTRACTOR TO INCLUDE BYPASS PUMPING OR PUMP/HAUL OFF OF WASTEWATER DURING SANITARY SEWER WORK ON BID PRICE.

4. FIRE LINE AND DOMESTIC WATER CONNECTION SHALL BE COORDINATED WITH NISD FOR PROPER TIE-IN DAY AND TIME. NOTE: THIS MAY OCCUR DURING AFTER SCHOOL HOURS, HOLIDAYS, OR WEEKENDS.

EASEMENT LINE

GENERAL NOTES:

HOLIDAYS, OR WEEKENDS.

1. ALL NEW UTILITIES ON NISD PROPERTY SHALL BE BACKFILLED WITH FLOWABLE FILL UNDERNEATH EXISTING AND PROPOSED PAVEMENT. THIS SHALL APPLY TO ALL UTILITIES ASSOCIATED WITH THIS PROJECT UNLESS OTHERWISE NOTED IN THE PROJECT CONSTRUCTION DOCUMENTS. THIS INCLUDES (BUT NOT LIMITED TO) WATER, SEWER, ELECTRICAL, PLUMBING, AND TELECOM PLANS.

2. CONTRACTOR TO CLEAN, WIPE, AND RESTORE ALL EXISTING SANITARY SEWER MANHOLES BEING TIED INTO.

3. CONTRACTOR TO INCLUDE BYPASS PUMPING OR PUMP/HAUL OFF OF WASTEWATER DURING SANITARY SEWER WORK ON BID PRICE.

4. FIRE LINE AND DOMESTIC WATER CONNECTION SHALL BE COORDINATED WITH NISD FOR PROPER TIE-IN DAY AND TIME. NOTE: THIS MAY OCCUR DURING AFTER SCHOOL HOURS,

SANITARY SEWER PLAN

KEYNOTES

- PROPOSED GRATE INLET

- PROPOSED CONTOUR

- EXISTING STUDENT DROP-OFF CIRCULATION\
- EXISTING TELECOM LINE EXISTING BUS CIRCULATION
- EXISTING SANITARY SEWER LINE EXISTING 12" WATER LINE EXISTING WATER LINE EXISTING CHAIN LINK FENCE
- ELECTRIC LIN EXISTING CONTOUR EXISTING GAS LINE EXISTING STORM SEWER LINE
- ELECTRIC LINE EXISTING UNDERGROUND

EXISTING OVERHEAD

- EXISTING GUY WIRE EXISTING COLUMN
- EXISTING TELEPHONE BOX EXISTING MAILBOX
- EXISTING TREE
- EXISTING SHRUB
- EXISTING WASTEWATER MANHOLE EXISTING GAS METER
- EXISTING IRRIGATION CONTROL VALVE
- EXISTING DOUBLE SIGN
- EXISTING SIGN

EXIST. CLEANOUT

—4" SS—

TOP RIM: 945.27

INV : 941.94

0 0

- EXISTING VALVE EXISTING GENERIC MANHOLE EXISTING SEWER CLEAN-OUT EXISTING SPRINKLER HEAD
- EXISTING ELECTRIC JUNCTION BOX EXISTING ELECTRIC MANHOLE EXISTING PULL BOX EXISTING TRANSFORMER

EXISTING POWER POLE

SCALE: 1" = 5'

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-4" SS—

- EXIST. CLEANOUT

TOP RIM: 945.29

INV : 937.05

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GRADING PLAN

GENERAL NOTES 1.) CONTRACTOR TO VERIFY UTILITY DEPTH PRIOR TO COMMENCEMENT OF WORK.

PROPOSED SPOT ELEVATION PROPOSED CONCRETE ELEVATION

PROPOSED ASPHALT

PROPOSED CONCRETE

PROPOSED TOP OF CURB/GUTTER ELEVATION PROPOSED GUTTER ELEVATION

PROPOSED CONTOUR PROPOSED DRAINAGE FLOW ARROW

EXISTING STUDENT DROP-OFF **CIRCULATION**

EXISTING CHAIN LINK FENCE EXISTING TELECOM LINE EXISTING BUS CIRCULATION

EXISTING GAS LINE EXISTING STORM SEWER LINE EXISTING SANITARY SEWER LINE EXISTING 12" WATER LINE EXISTING WATER LINE

ELECTRIC LIN EXISTING CONTOUR

ELECTRIC LINE EXISTING UNDERGROUND

EXISTING GUY WIRE EXISTING COLUMN EXISTING OVERHEAD

EXISTING TREE EXISTING TELEPHONE BOX EXISTING MAILBOX

EXISTING SHRUB

EXISTING SIGN

EXISTING WASTEWATER MANHOLE EXISTING GAS METER

EXISTING DOUBLE SIGN EXISTING IRRIGATION CONTROL VALVE

EXISTING VALVE EXISTING GENERIC MANHOLE EXISTING SEWER CLEAN-OUT EXISTING SPRINKLER HEAD

EXISTING POWER POLE EXISTING ELECTRIC JUNCTION BOX EXISTING ELECTRIC MANHOLE EXISTING PULL BOX EXISTING TRANSFORMER

SCALE: 1" = 20'

EXISTING POWER POLE	0	EXIST VALVI
EXISTING ELECTRIC JUNCTION BOX	E	EXIST
EXISTING ELECTRIC MANHOLE	Ē	FXIST
EXISTING PULL BOX	PBX	Exior
EXISTING TRANSFORMER	T	EXIST
EXISTING VALVE	$\langle\!$	EXIST
EXISTING GENERIC MANHOLE	\bigcirc	EXIST
EXISTING SEWER CLEAN-OUT	-\$	EXISTI
EXISTING SPRINKLER HEAD	\mathbf{X}	EXISTI
EXISTING SIGN		EXISTI ELECT
EXISTING DOUBLE SIGN		

_EGE	ND	
	EXISTING CONTOUR	916
	EXISTING GAS LINE	GAS
	EXISTING STORM SEWER LINE	SD
	EXISTING SANITARY SEWER LINE	SS
	EXISTING 12" WATER LINE	12"W
	EXISTING WATER LINE	W
	EXISTING CHAIN LINK FENCE	
	EXISTING TELECOM LINE	UT

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EXISTING SEWER CLEAN-OUT EXISTING SPRINKLER HEAD EXISTING WASTEWATER MAN EXISTING GAS METER EXISTING SHRUB EXISTING TREE EXISTING TELEPHONE BOX

KEY NOTES

1 PR ±5 LF 6" PVC PIPE. CONTRACTOR TO VI/ PVC WYE AT STORM SEWER MAIN

PROPOSED ROOF DOWNSPOUT CONNE STORM SEWER SYSTEM. SEE CIVIL DET

	office: 210.227.2724 1 fax: 210.227.2730 200 E Grayson St Suite 115, San Antonio, TX 78215 pflugerarchitects.com
SCALE: 1" = 10' EXISTING POWER POLE EXISTING ELECTRIC JUNCTION BOX EXISTING ELECTRIC MANHOLE EXISTING ELECTRIC MANHOLE EXISTING PULL BOX EXISTING TRANSFORMER EXISTING TRANSFORMER EXISTING GENERIC MANHOLE EXISTING GENERIC MANHOLE EXISTING SEWER CLEAN-OUT EXISTING SEWER CLEAN-OUT EXISTING SPRINKLER HEAD EXISTING SIGN EXISTING SIGN EXISTING IRRIGATION CONTROL VALVE EXISTING WASTEWATER MANHOLE IN EXISTING WASTEWATER MANHOLE	
EXISTING GAS METER EXISTING SHRUB EXISTING TREE EXISTING TELEPHONE BOX EXISTING MAILBOX EXISTING GUY WIRE EXISTING COLUMN EXISTING COLUMN EXISTING COLUMN EXISTING OVERHEAD EXISTING OVERHEAD EXISTING UNDERGROUND EXISTING UNDERGROUND EXISTING CONTOUR EXISTING CONTOUR EXISTING GAS LINE EXISTING GAS LINE EXISTING SANITARY SEWER LINE EXISTING SANITARY SEWER LINE EXISTING 12" WATER LINE EXISTING HAIN LINK FENCE EXISTING CHAIN LINK FENCE EXISTING CHAIN LINK FENCE EXISTING TELECOM LINE EXISTING TELECOM LINE EXISTING BUS CIRCULATION EXISTING BUS CIRCULATION EXISTI	NEW MAGNET AT KATHERINE STINSON MIDDLE SCHOOL 13200 SKYHAWK DRIVE SAN ANTONIO, TEXAS 78249
EXISTING BUS CIRCULATION EXISTING STUDENT DROP-OFF CIRCULATION PROPOSED CONTOUR PROPOSED DRAINAGE FLOW VEGETATED FILTER STRIP S S LL INSTALL AND ESTABLISH L STABILIZATION PRIOR TO SITE PIPE. CONTRACTOR TO INSTALL 8"X6" RM SEWER MAIN F DOWNSPOUT CONNECTION TO SYSTEM. SEE CIVIL DETAILS.	DOLETINO DISTRICT NORTHONIO, TX 78238 CHOOLINDER NORTHONIO, TX 78238 CHOOLINDER NORTHONO NORT

PAVEMENT MARKINGS AND SIGNAGE

EXISTING SPRINKLER HEAD

EXISTING SIGN EXISTING DOUBLE SIGN

EXISTING IRRIGATION CONTROL VALVE

EXISTING WASTEWATER MANHOLE EXISTING GAS METER

EXISTING SHRUB

EXISTING TREE

EXISTING TELEPHONE BOX

EXISTING MAILBOX

EXISTING GUY WIRE

EXISTING COLUMN EXISTING OVERHEAD ELECTRIC LINE

EXISTING UNDERGROUND

ELECTRIC LIN EXISTING GAS LINE

EXISTING STORM SEWER LINE

EXISTING SANITARY SEWER LINE

EXISTING 12" WATER LINE

EXISTING WATER LINE

EXISTING CHAIN LINK FENCE

EXISTING TELECOM LINE

EXISTING BUS CIRCULATION

EXISTING STUDENT DROP-OFF CIRCULATION

PROPOSED FIRE LAN

PROPOSED SIGN

KEYNOTES

1	PROPOSED 18.0' X 9.0' PARKING STALL & STR
2	PROPOSED STRIPED ISLAND. SEE CIVIL DET
3	PROPOSED HANDICAP PARKING POST SIGN.
4	PROPOSED DIRECTIONAL ARROW.
5	PROPOSED CROSSING STRIPING. SEE CIVIL
6	PROPOSED WHEEL STOPS.
7	PROPOSED PROPOSED FIRE LANE STRIPING
8	PROPOSED HANDICAP "VAN" PARKING POST
9	EXISTING LIGHT POLE TO REMAIN.
10	PROPOSED FIRE LANE SIGN.
11	PROPOSED SPEED BUMPS.
12	PROPOSED VISITOR PARKING SIGN
13	PROPOSED PRINCIPAL PARKING SIGN
14	PROPOSED ASSOCIATE PRINCIPAL PARKING SIGN
15	PROPOSED DO NOT ENTER SIGN

PROPOSED SIGNAGE		
STAFF	ADA	VISITO
2	5	7

PRC	POSED PA	RKING
SPACES	ADA SPACE	ADA VAN
222	6	1

Ē PBX T \bigcirc \mathbf{X} 0 0 v () (\varnothing) \bigcirc • ____) \bigcirc ------ OHE ------------ GAS ------_____ SD _____ ______SS _____ _____12"W _____ _____ W _____ _____UT_____ 0

& STRIPING (TYP.) DETAIL.

CIVIL DETAILS.

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VAN

EROSION AND SEDIMENTATION CONTROLS SITE DESCRIPTION

PROJECT NAME AND LOCATION: STINSON MS NEW MAGNET UPGRADES

CONTACT AND PHONE NO .: RUSSELL RINCON, P.E. (210) 494-7223

PROJECT DESCRIPTION:	DEMOLISH EXISTING ADMINISTRATION WING AND RECONSTRUCT. INSTALL NEW STORM
DRAIN SYSTEM WITH PER	MANENT BMP.

CAMPUS RUNOFF DISCHARGES ONTO GALLOP ROAD TO EARTHEN CHANNEL

MAJOR SOIL DISTURBING ACTIVITIES:	SOIL DISTURBING ACTIVITIES WILL INCLUDE CLEARING, GRUBBING,
BUILDING DEMO, EXCAVATION/EMBA	NKMENT PLACEMENT FOR PARKING LOT CURB,, SITE GRADING, AND
EROSION/SEDIMENT CONTROLS WILL	BE INSTALLED.

TOTAL PROJECT AREA (ACRES): 25.0 ACRES

TOTAL AREA TO BE DISTURBED: 0.63 ACRES

WEIGHTED RUNOFF COEFFICIENT: 0.31 (AFTER CONSTRUCTION)

SCHOOL, SAN ANTONIO, TEXAS

EXISTING CONDITION OF SOIL, VEGETATIVE Ca ANHALT CLAY, 0 TO 2% SLOPE, Cb CRAWFORD, STONY AND BEXAR COVER AND % OF VEGETATIVE COVER: DESCRIPTION OF WATER DISCHARGED NOT ASSOCIATED WITH CONSTRUCTION:

NAME OF RECEIVING WATERS: ____FRENCH CREEK

IDENTIFY STORMWATER DISCHARGE POINTS: CAMPUS RUNOFF DISCHARGES ONTO EXISTING EARTHEN

A DESCRIPTION AND TIME FRAME FOR INSTALLATION OF STABILIZATION PRACTICES IN CONJUNCTION WITH CONSTRUCTION: STABILIZATION PRACTICES WILL BE INSTALLED AT THE BEGINNING OF THE PROJECT PRIOR TO EXCAVATION AND WILL BE MAINTAINED PERIODICALLY PER CITY SPECIFICATIONS. THEY WILL NOT BE REMOVED UNTIL THE PROJECT IS COMPLETE.

SOIL STABILIZATION PRACTICES:

HYDROMULCHING

_____ TEMPORARY SEEDING

_____ PERMANENT PLANTING, SODDING OR SEEDING _____ MULCHING _____ SOIL RETENTION BLANKET _____ ____ BUFFER ZONES

_____ _ PRESERVATION OF NATURAL RESOURSES

OTHER: DISTURBED AR CEASED TEMPO WITHIN 14 DAY AND DONE WIT	EAS ON WHICH CONSTRUCTION ACTIVITY HAS DRARILY OR PERMANENTLY, SHALL BE STABILIZED S UNLESS ACTIVITIES ARE SCHEDULED TO RESUME HIN 21 DAYS.
STRUCTU	RAL PRACTICES:
	_ SILT FENCES
	_ HAY BALES
	_ GRAVEL FILTRATION BAGS
	_ ROCK BERMS
	_ DIVERSION, INTERCEPTOR OR PERIMETER DIKES
	DIVERSION, INTERCEPTOR OR PERIMETER SWALES
	_ DIVERSION, DIKE AND SWALE COMBINATIONS
	_ PAVED FLUMES
	_ ROCK BEDDING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE)
	_ TIMBER MATTING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE)
	CHANNEL LINERS
	_ SEDIMENT TRAPS
	_ SEDIMENT BASINS
	_ STORM INLET SEDIMENT TRAP
	_ STONE OUTLET SEDIMENT STRUCTURES
	_ CURBS AND GUTTERS
	_ STORM SEWERS
	VELOCITY CONTROL STRUCTURES
	_ GEOTEXTILES
OTHER:	DISTURBED AREAS ON WHICH CONSTRUCTION
ACTIVITY	HAS

CEASED (TEMPORARILY OR PERMANENTLY) SHALL BE

STABILIZED WITHIN 14 DAYS UNLESS ACTIVITIES ARE

SCHEDULED TO RESUME AND DO WITHIN 21 DAYS. NARRATIVE - SEQUENCE OF CONSTRUCTION

(STORMWATER MANAGEMENT) ACTIVITIES: THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

INSTALL CONTROLS, CLEAR, GRUB AND EXCAVATE/EMBANK, CONSTRUCT STORM SEWER FEATURES, CONSTRUCT CURBING AND PAVEMENT. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED AND APPROVED BY THE PROJECT ENGINEER, REMOVE ALL TEMPORARY STRUCTURAL CONTROLS AND RESEED ANY AREAS DISTURBED BY THEIR REMOVAL. THE CONTRACTOR IS RESPONSIBLE FOR INPLEMENTING

A DESCRIPTION OF MAINTENANCE

AND MAINTAINING THE STORM WATER POLLUTION PREVENTION PLAN.

PROCEDURES FOR CONTROL MEASURES USED: ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED TO WORKING ORDER. REPAIRS ARE TO BE MADE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE EXPOSED GROUND HAS SUFFICIENTLY DRIED. STORMWATER MANAGEMENT: STORM WATER DRAINAGE WILL BE CONVEYED BY THE OVERLAND DRAINAGE.

MAJORITY OF STORM WATER WILL BE CAPTURED AND CONVEYED VIA ONSITE EARTH CHANNEL

A DESCRIPTION OF PERMANENT STORM WATER MANAGEMENT CONTROLS:

OTHER EROSION AND SEDIMENTATION CONTRO
MAINTENANCE: ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDE NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN 7 AFTER THE SURROUNDING EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT F FROM HEAVY EQUIPMENT. THE AREAS ADJACENT TO CREEKS AND DRAINAGEWAYS SHA FOLLOWED BY DEVICES PROTECTING STORM SEWER INLETS.
INSPECTION: AN INSPECTION WILL BE PERFORMED BY THE CONTRACTOR EVERY 14 DAYS AS WELL AN OR MORE OF RAIN (RECORDED ON A NON-FREEZING RAIN GAUGE TO BE LOCATED AT TH INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER INSPECTION. BASED ON TH RESULTS, THE CONTROLS SHALL BE CORRECTED BEFORE THE NEXT SCHEDULED INSPE
WASTE MATERIALS:
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED META DUMPSTER WILL MEET ALL STATE AND LOCAL CITY SOLID WASTE MANAGEMENT REGUL CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DL EMPTIED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION AND THE TRASH WIL DUMP. NO CONSTRUCTION MATERIALS WILL BE BURIED ON SITE.
HAZARDOUS WASTE (INCLUDING SPILL REPOR
AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES ARE CONSIDERED TO I ACIDS FOR CLEANING MASONRY SURFACES, GASOLINE, MOTOR OIL, CLEANING SOLVEN CHEMICAL ADDITIVES FOR SOIL STABILIZATION OR CONCRETE CURING COMPOUNDS AN EVENT OF A SPILL WHICH MAY BE HAZARDOUS AND MEETS REPORTING REQUIREMENTS RESPONSE CENTER SHOULD BE CONTACTED AT 800-424-8802, AND ANY REQUIRED CHANGES MADE EVENT OF A LIFE THREATENING SPILL THE SAN ANTONIO FIRE DEPARTMENT SHOULD BE THE APPROPRIATE CITY INSPECTORS.
SANITARY WASTE ALL SANITARY SEWER WASTE WILL BE COLLECTED FROM PORTA
OR AS REQUIRED BY LOCAL REGULATIONS BY A LICENSED SANITARY SEWER WASTED MA
OFFSITE EXCAVATION SOURCE LOCATION PER LOCAL, STATE, AND FEDERAL R
OFFSITE VEHICLE TRACKING SEE BELOW

/	EXCESS DIRT ON ROAD TO BE REMOVED DAILY
V	STABILIZED CONSTRUCTION ENTRANCE.

OTHER CERTIFICATION THAT SITE DISTURBANCE AND / OR DISCHARGES WILL NOT EFFECT LISTED ENDANGERED SPECIES AND THEIR HABITAT. WHAT METHOD IS USED TO SATISFY THE ENDANGERED SPECIES REQUIREMENTS?

OWNERS CERTIFICATION I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for

gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

CONTRACTOR'S CERTIFICATION

SIGNATURE

DATE

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification plan.

SIGNATURE (CONTRACTOR)

OLS

DER. IF A REPAIR IS I 7 CALENDAR DAYS FURTHER DAMAGE HALL HAVE PRIORITY

AS AFTER EVERY 1 / 2" THE PROJECT SITE). AN THE INSPECTION PECTION.

AL DUMPSTER. THE LATIONS. ALL TRASH AND DUMPSTER WILL BE ILL BE HAULED TO A LOCAL

TING): D BE HAZARDOUS: PAINTS, ENTS, ASPHALT PRODUCTS, AND ADDITIVES. IN THE TS, THE NATIONAL

E TO THE SWPPP. IN THE BE NOTIFIED AS WELL AS

TABLE UNITS AS NECESSARY, NAGEMENT CONTRACTOR.

EGULATIONS

DISPOSAL AREAS, STOCKPILES AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT ENTERS RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, BODY OF WATER, STREAMBED OR FLOODPLAIN CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEARED AS SOON AS POSSIBLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING DEBRIS OR OTHER OBSTRUCTION PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.

SW3P PLAN

REMARKS:

SCALE: 1" = 50' EXISTING POWER POLE

EXISTING ELECTRIC JUNCTION BOX

EXISTING ELECTRIC MANHOLE

EXISTING PULL BOX

EXISTING VALVE

EXISTING SIGN

VALVE

EXISTING TRANSFORMER

EXISTING GENERIC MANHOLE

EXISTING SEWER CLEAN-OUT

EXISTING SPRINKLER HEAD

EXISTING DOUBLE SIGN

EXISTING GAS METER

EXISTING SHRUB

EXISTING TREE

EXISTING MAILBOX

EXISTING GUY WIRE

EXISTING COLUMN

ELECTRIC LINE

ELECTRIC LIN

EXISTING OVERHEAD

EXISTING CONTOUR

EXISTING GAS LINE

EXISTING UNDERGROUND

EXISTING STORM SEWER LINE

EXISTING 12" WATER LINE

EXISTING CHAIN LINK FENCE

EXISTING BUS CIRCULATION

EXISTING STUDENT DROP-OFF

EXISTING TELECOM LINE

CIRCULATION

EXISTING WATER LINE

EXISTING SANITARY SEWER LINE

EXISTING TELEPHONE BOX

EXISTING IRRIGATION CONTROL

EXISTING WASTEWATER MANHOLE

PROPOSED DRAINAGE FLOW ARROW SILT CONTROL FENCE GRAVEL FILTER BAG

PROPOSED CONTOUR

ROCK FILTER DAM GEOTEXTILE FABRIC

CONSTRUCTION ENTRANCE

CONSTRUCTION EXIT - TYPE 1

PLACE GRAVEL FILTER BAGS

SO THAT NO GAPS ARE EVIDENT

TRAPPING DEVICE. 6. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER. 5. THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT

3. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER. 4. THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS

1. THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'. 2. THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".

AGGREGATE< PLAN N.T.S. APPROACH TRANSITION APPROACH. 50' MINIMUM 4' MINÍMUM TRANSITION ン:1 MAXIMUM FOUNDATION COURSE 6" MINIMUM PROFILE N.T.S. GENERAL NOTES

5. THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER. 6. THE CONSTRUCTION EXIT SHOULD BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.

7. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

CONSTRUCTION EXIT - TYPE 2

CONSTRUCTION EXIT - TYPE 3

BY THE ENGINEER.

SEE NOTE 2

_ _ _

4' MINIMUM STEEL OR WOOD POSTS SPACED AT 6' TO 8'. SOFTWOOD

POSTS SHALL HAVE A MINIMUM CROSS SECTION OF 1.5" x 1.5".

POSTS SHALL BE 3" MINIMUM DIAMETER OR NOMINAL 2" x 4". HARDWOOD

SECTION C-C N.T.S.

SEDIMENT CONTROL FENCE USAGE GUIDELINES

A SEDIMENT CONTROL FENCE MAY BE CONSTRUCTED NEAR THE DOWNSTREAM PERIMETER OF A DISTURBED AREA ALONG A CONTOUR TO INTERCEPT SEDIMENT FROM OVERLAND RUN-OFF. A 2 YEAR STORM FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE TO BE FILTERED.

SEDIMENT CONTROL FENCE SHOULD BE SIZED TO FILTER A MAXIMUM FLOW THRU RATE OF 100 GPM / FT SQUARED. SEDIMENT CONTROL FENCE IS NOT RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE AREA LARGER THAN 2 ACRES.

GENERAL NOTES

1. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

TEMPORARY SEDIMENT CONTROL FENCE

ROCK FILTER DAMS

ROCK FILTER DAM USAGE GUIDELINES

ROCK FILTER DAMS SHOULD BE CONSTRUCTED DOWNSTREAM FROM DISTURBED AREAS TO INTERCEPT SEDIMENT FROM OVERLOAD RUNOFF AND/OR CONCENTRATED FLOW. THE DAMS SHOULD BE SIZED TO FILTER A MAXIMUM FLOW THRU RATE OF 60 GPM/FT SQUARED OF CROSS SECTIONAL AREA. A 2 YEAR STORM FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE.

TYPE 1 (18" HIGH WITH NO WIRE MESH):

TYPE 1 MAY BE USED AT THE TOE OF SLOPES, AROUND INLETS, IN SMALL DITCHES AND AT DIKE OR SWALE OUTLETS. THIS TYPE OF DAM IS RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE AREA OF 5 ACRES OR LESS. TYPE 1 MAY NOT BE USED IN CONCEN-TRATED HIGH VELOCITY FLOWS (APPROXIMATELY 8 FT./SEC. OR MORE) IN WHICH AGGREGATE WASH OUT MAY OCCUR. SANDBAGS MAY BE USED AT THE EMBEDDED FOUNDATION (4" DEEP MIN.) FOR BETTER FILTERING EFFICIENCY OF LOW FLOWS IF CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

TYPE 2 (18" HIGH WITH WIRE MESH) :

TYPE 2 MAY BE USED IN DITCHES AND AT DIKE OR SWALE OUTLETS.

TYPE 3 (36" HIGH WITH WIRE MESH) :

TYPE 3 MAY BE USED IN STREAM FLOW AND SHOULD BE SECURED TO THE STREAM BED. TYPE 4 (SACK GABIONS) :

TYPE 4 MAY BE USED IN DITCHES AND SMALLER CHANNELS TO FORM AN EROSION

GENERAL NOTES

1. IF SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, FILTER DAMS SHOULD BE PLACED NEAR THE TOE OF SLOPES WHERE EROSION IS ANTICIPATED, UPSTREAM AND/OR DOWNSTREAM AT DRAINAGE STRUCTURES, AND IN ROADWAY DITCHES AND CHANNELS TO COLLECT SEDIMENT.

2. MATERIALS (AGGREGATE, WIRE MESH, SANDBAGS, ETC.) SHALL BE AS INDICATED BY THE SPECIFICATION FOR ROCK FILTER DAMS FOR EROSION AND SEDIMENTATION CONTROL.

- THE ROCK FILTER DAM DIMENSIONS SHALL BE AS INDICATED ON THE STORM WATER POLLUTION PREVENTION PLANS.
- 4. SIDE SLOPES SHOULD BE 2:1 OR FLATTER. DAMS WITHIN THE SAFETY ZONE SHALL HAVE SIDE SLOPES OF 6:1 OR FLATTER.

5. MAINTAIN A MINIMUM OF 1' BETWEEN TOP OF ROCK FILTER DAM WEIR AND TOP OF EMBANKMENT FOR FILTER DAMS AT SEDIMENT TRAPS.

6. FILTER DAMS SHOULD BE EMBEDDED A MINIMUM OF 4" INTO THE EXISTING GROUND.

7. THE SEDIMENT TRAP FOR PONDING OF SEDIMENT LADEN RUNOFF SHALL BE OF THE DIMENSIONS SHOWN ON THE PLANS.

8. ROCK FILTER DAM TYPES 2 & 3 SHALL BE SECURED WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH WITH 1" DIAMETER HEXAGONAL OPENINGS. THE AGGREGATE SHALL BE PLACED ON THE MESH TO THE HEIGHT AND SLOPES SPECIFIED. THE MESH SHALL BE FOLDED AT THE UPSTREAM SIDE OVER THE AGGREGATE AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOG RINGS. IN STREAM USE, THE MESH SHOULD BE SECURED OR STAKED TO THE STREAM BED PRIOR TO AGGREGATE PLACEMENT.

9. SACK GABIONS SHOULD BE STAKED DOWN WITH 3/4" DIA. REBAR STAKES.

10. FLOW OUTLET SHOULD BE ONTO A STABILIZED AREA (VEGETATION, ROCK, ETC.).

11. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

UANUANT 2003					
CAPITAL IMP	CITY OF rovements man	SAN ANT agement services	ONIO 5 department		
TEMPORARY EROSION, SEDIMENT & WATER POLLUTION CONTROL MEASURES STANDARDS 2					
% SUBMITTAL	PROJECT NO.:		DATE:		
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: OF		

. _____

N.T.S.

WIRE REINFORCING



-TRUCK TO BE CAST ALUMINUM REVOLVING NON-FOULING TYPE WITH STAINLESS STEEL BALL BEARING AND NYLON SHEAVES. -CLEATS TO BE ALUMINUM DIE CAST 9-INCHES LONG WITH SATIN FINISH. -A ROPE LOCK BOX IS TO BE INCLUDED AND ATTACHED TO POLE. -POLE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.













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N.T.S.



NOTE: 1. DIMENSIONS VARY BY MANUFACTURER MODEL.





OTHERWISE SHOWN IN PLANS)











SAWS FIRE HYDRANT DETAILS





PIPE LAID IN TRENCH DETAIL N.T.S.

* SAWS DETAILS TO BE USED IN C.O.S.A. R.O.W UNLESS SHOWN OTHERWISE IN CONSTRUCTION PLANS



ATTACHMENT G | Inspection, Maintenance, Repair and Retrofit Plan

Below are the inspection and maintenance guidelines required for the jellyfish filter as regulated by this Water Pollution Abatement plan. The owner/responsible party shall be responsible for the required inspection, maintenance, and repair of the Contech Jellyfish Filter as well as keep all records of such events. Records are to be retained, along with a copy of this approved plan, and should be made available upon request or inspection by the Texas Commission on Environmental Quality (TCEQ).

For a Jellyfish Filter, routine maintenance includes, but is not limited to the following:

Inspections:

- A minimum of quarterly inspections during the first year of operation to assess the sediment and float-able pollutant accumulation, and to ensure proper functioning of the system.
- Inspection frequency in subsequent years is based on the inspection and maintenance plan developed in the first year of operation. Minimum frequency should be once per year.
- Inspection is recommended after each major storm event.
- Inspection is required immediately after an upstream oil, fuel or other chemical spill.

• Owner shall refer to manufacturers inspection requirements for detailed inspection procedures. <u>Maintenance Requirements:</u>

- Sediment removal for depths reaching 12 inches or greater, or within 3 years of the most recent sediment cleaning, whichever occurs sooner.
- Floatable trash, debris, and oil removal.
- Deck cleaned and free from sediment.
- Filter cartridges rinsed and re-installed as required by the most recent inspection results, or within 12 months of the most recent filter rinsing, whichever occurs sooner.
- Replace tentacles if rinsing does not restore adequate hydraulic capacity, remove accumulated sediment, or if damaged or missing. It is recommended that tentacles should remain in service no longer than 5 years before replacement.
- Damaged or missing cartridge deck components must be repaired or replaced as indicated by results of the most recent inspection.
- The unit must be cleaned out and filter cartridges inspected immediately after an upstream oil, fuel, or chemical spill. Filter cartridge tentacles should be replaced if damaged or compromised by the spill.
- Owner shall refer to manufacturers maintenance requirements for detailed maintenance practices.

Transfer of Ownership/Responsibility:

The applicant (i.e. Owner/operator) is the sole responsible party for maintaining the records for such inspections, maintenance, and repair once construction of the Jellyfish filter system is completed. Should the maintenance obligation supplant through either a change of ownership or control of the property (ie.an owner's association, new property owner, lessee, or a district/municipality) then maintenance of the Jellyfish filter system shall be transferred to the new responsible party. A copy of the transfer of responsibility must be filled with the executive director of the regional office of which the Jellyfish filter resides (San Antonio Regional Office) within 30 days of the transfer.

Responsible Party Acknowledgement:

Responsible Party:

Northside ISD 5900 Evers Road San Antonio, TX 78238 Jacob Villarreal, Director of Engineering Services

Signature of Responsible Party:

Jacob Villarreal, P.E.

Alonpors

Date

ATTACHMENT H | Pilot-Scale Field Testing Plan

This section does not apply for this project.

ATTACHMENT I | Measures for Minimizing Surface Stream Contamination

This section does not apply for this project. To the fullest extent possible, existing drainage patterns were maintained post-construction.

Contech Engineered Solutions Calculations for Texas Commission on Environmental Quality TSS Removal Calculations

The Required Load Reduction for the total project.		
Calculations from RG-348 Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$ Pages 3-27 to 3-30		
$L_{M \text{ TOTAL PROJECT}}$ = Required TSS removal resulting from the proposed development = 80% of A_{N} = Net increase in impervious area for the project P = Average annual precipitation, inches	of increased lo	oad
Site Data: Determine Required Load Removal Based on the Entire Project		
County =	Bexar	
Total project area included in plan * =	25.00	acres
Predevelopment impervious area within the limits of the plan * =	8.26 8.50	acres
Total post-development impervious area within the mints of the plan =	0.34	acres
P = P	30	inches
$L_{M \text{ total project}} =$	196	lbs.
Number of drainage basins / outfalls areas leaving the plan area =	1	
2. Drainage Basin Parameters (This information should be provided for each basin):		
Drainage Basin/Outfall Area No. =	1	
Total drainage basin/outfall area =	0.63	acres
Predevelopment impervious area within drainage basin/outfall area =	0.39	acres
Post-development impervious area within drainage basin/outfall area =	0.63	acres
Post-development impervious fraction within drainage basin/outfall area = L _{M THIS BASIN} =	1.00 196	lbs.
3. Indicate the proposed BMP Code for this basin.		
Proposed BMP =	JF	abbreviatio
Removal efficiency =	86	percent
4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Typ	<u>)e.</u>	
RG-348 Page 3-33 Equation 3.7: LR = (BMP efficiency) x P x (A_1 x 34.6 + A_P x 0.54)		
$A_C = Total On-Site drainage area in the BMP catchment area A_I = Impervious area proposed in the BMP catchment area A_P = Pervious area remaining in the BMP catchment area L_R = TSS Load removed from this catchment area by the proposed BMP$		
$A_{\rm C}$ =	0.63	acres
$A_{I} =$	0.63	acres
$A_{\rm P} =$	0.00	acres
L_R =	562	lbs.
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area		
Desired L _{M THIS BASIN} =	196	lbs.

equired by the BMP Type age basin / (

	Peak Treatment Flow Required =	0.15	cubic feet per second
	Cartridge Length =	15	inches
	Effective Area =	0.63	acres
Pages Section 3.2.22	Rainfall Intensity =	0.24	inches per hour
Calculations from RG-248	onsite impervious cover training to birr =	0.00	deres
	Offsite impervious cover draining to BMP =	0.00	acres
	Offsite area draining to BMP =	0.00	acres

<u>7. Jellyfish</u> Designed as Required in RG-348 Section 3.2.22

Flow Through Jellyfish Size	Vault
Jellyfish Size for Flow-Based Configuration = Jellyfish Treatment Flow Rate =	JFPD0406-3-1 0.1 7 cfs
1	

	Agent Authorization Form For Required Signature Edwards Aquifer Protection Program Relating to 30 TAC Chapter 213 Effective June 1, 1999
I	JACOB VILLARREAL , P.E, Print Name
	ASST. SUPERINTENDENT FOR FACILITIES & OPERATIONS Title - Owner/President/Other
of	NISD Corporation/Partnership/Entity Name
have authorized _	RUSSELL RINCON, P.E. Print Name of Agent/Engineer
of	BAIN MEDINA BAIN, INC. 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

02/12/2025

Date

THE STATE OF <u>TEXAS</u> §

County of _____§

BEFORE ME, the undersigned authority, on this day personally appeared <u>Jacob Villarreal</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 25th day of February, 2025.



onne M. Carter Y PUBLIC vonne M. Carter

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 12 08 2026

11

Application Fee Form

Texas Commission on Environmental Quality									
Name of Proposed Regulated Entity: NISD Katherine Stinson Middle School									
Regulated Entity Location: 13200 Skyhawk Dr, San Antonio, TX 78249									
Name of Customer: <u>Northside ISD</u>									
Contact Person: RUSSELL RINCON Phone: 210-494-7223									
Customer Reference Number (if iss	ued):CN <u>60110469</u>								
Regulated Entity Reference Numbe	r (if issued):RN <u>102762</u>	2739							
Austin Regional Office (3373)									
🔲 Hays	Travis	🛄 Wil	liamson						
San Antonio Regional Office (3362))								
🔀 Bexar	Medina	🗌 Uva	lde						
Comal	 Kinney	_							
Application fees must be paid by ch	neck, certified check, o	r money order, payable	e to the Texas						
Commission on Environmental Qua	ality. Your canceled ch	neck will serve as your	receipt. This						
form must be submitted with your	fee payment. This pa	yment is being submit	ted to:						
Austin Regional Office	🔀 Sa	n Antonio Regional Of	fice						
Mailed to: TCEQ - Cashier	[] Or	/ernight Delivery to: TCEQ - Cashier							
Revenues Section	12	2100 Park 35 Circle							
Mail Code 214	Bu	uilding A, 3rd Floor							
P.O. Box 13088	Au	ustin, TX 78753							
Austin, TX 78711-3088	(5	12)239-0357							
Site Location (Check All That Apply	/):								
Recharge Zone	Contributing Zone	🗌 Transiti	ion Zone						
Type of Plan	n	Size	Fee Due						
Water Pollution Abatement Plan,	Contributing Zone								
Plan: One Single Family Residentia	l Dwelling	Acres	\$						
Water Pollution Abatement Plan,	Contributing Zone								
Plan: Multiple Single Family Reside	ential and Parks	Acres	\$						
Water Pollution Abatement Plan,									
Plan: Non-residential	25.0 Acres	\$ 6,500							
Sewage Collection System	L.F.	\$							
Lift Stations without sewer lines		Acres	\$						
Underground or Aboveground Sto	rage Tank Facility	Tanks	\$						
Piping System(s)(only)		Each	\$						
Exception		Each	\$						
Extension of Time	Each	\$							

Signature: The second s

Date: 2 4 2025

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

	Project	Fee
Exception Reque	st	\$500



TCEQ Core Data Form

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

SECTION I: General Information

describe in space provided.)	
ata Form should be submitted with	the program application.)
th the renewal form)	Other MODIFICATION TO WPAP
Follow this link to search	3. Regulated Entity Reference Number (If Issued)
CN 601104169 for CN or RN numbers in Central Registry**	
	describe in space provided.) thata Form should be submitted with th the renewal form) Follow this link to search for CN or RN numbers in Central Registry**

SECTION II: Customer Information

4. General Customer Information 5. Effective Date for Customer Information Updates (mm/dd/yyyy)									
New Custor	ner egal Name	(Verifiable with the T	Update to Custom exas Secretary of S	er Informa itate or Tex	ation xas Com	Chi ptroller of Pub	ange in Regulated E lic Accounts)	ntity Ownership	
The Custome (SOS) or Texa	r Name s s Compti	ubmitted here may roller of Public Acco	be updated aut ounts (CPA).	tomatical	lly base	d on what is	current and activ	e with the Texas Secre	tary of State
6. Customer	egal Nar	ne (if an individual, p	rint last name first	: eg: Doe, .	John)		If new Custome	r, enter previous Custome	r below:
	•								
7. TX SOS/CP	A Filing N	lumber	8. TX State Ta	ix ID (11 d	digits)		9. Federal Tax (9 digits)	ID 10. DUNS N applicable)	lumber (if
11. Type of C	ustomer:	Corpor	ation			Indiv	idual	Partnership: 🗌 Gene	ral 🗌 Limited
Government: [City 🗋	County 🔲 Federal 🗌	Local 🗌 State 🗌	Other		Sole	Proprietorship	Other:	
12. Number o	f Employ	/ees					13. Independe	ently Owned and Ope	rated?
0-20	1-100	101-250 25 1	1-500 🛛 501 ar	nd higher			Yes	🛛 No	
14. Customer	Role (Pro	posed or Actual) - as	it relates to the Re	egulated E	intity list	ed on this form	. Please check one	of the following	
Owner	l Licensee	Operator Responsible P	Own arty DVC	er & Opera P/BSA App	ator plicant		🗌 Othe	r:	
15. Mailing	5900 EV	ERS ROAD					· · · · · · · · ·		
Address:	City	SAN ANTONIO		State	ТХ	ZIP	78238	ZIP + 4	
16. Country N	failing In	formation (if outside	e USA)	Tion		17. E-Mail /	Address (if applicat	ble)	
18. Telephon	Numbe	r	19	. Extensio	on or C	ode	20. Fax	Number (if applicable)	

()	-		(

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity" is selected, a new permit application is also required.)

🗌 New Regulated Entity 🔲 Update to Regulated Entity Name 🛛 Update to Regulated Entity Information

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

)

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

KATHERINE STINSON MIDDLE SCHOOL

23. Street Address of the Regulated Entity: (No PO Boxes)	13200 SKYHAWK								
					_				
	City	SAN ANTONIO	State	тх	ZIP	78249	ZIP + 4		
24. County	BEXAR								

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

25. Description to									
Physical Location:									
26. Nearest City				- 4-		State	Ne	arest ZIP Code	
Latitude/Longitude are used to supply coording	required and ates where no	d may be added/up one have been prov	dated to meet vided or to gain	t TCEQ Core n accuracy)	Data Stand	ards. (Geocoding	of the Physica	l Address may be	
27. Latitude (N) in Decimal: 29.5626°N				28. Longitude (W) In Dec			ll: 98.6473°W		
Degrees	Minutes	Se	conds	Deg	rees	Minutes		Seconds	
29. Primary SIC Code	30	. Secondary SIC Col	de	31. Prim	ary NAICS Co	ode 32. 9	Secondary NA	CS Code	
(4 digits)	(4	digits)		(5 or 6 a)	gits)	(S or	6 digits)		
8911	11				611110				
33. What is the Primary	y Business of	this entity? (Do no	ot repeat the SIC	or NAICS des	cription.)				
MIDDLE SCHOOL EDUCATIO	ON							·	
	13200 SKYHAWK								
s4. Mailing									
Address:	City	SAN ANTONIO	State	ТХ	ZIP	78249	ZIP + 4		
35. E-Mail Address:	N/	A	· I. · · ·						
36. Telephone Number		3	7. Extension o	r Code	38. (Fax Number (if op)	olicable)	1.8	
(210) 561-3609					(1 -			

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

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	Industrial Hazardous Waste
Municipal Solid Waste	New Source Review Air	C OSSF	Petroleum Storage Tank	D PWS
Sludge	Storm Water	Title V Air		Used Oil
·			2.00	
Voluntary Cleanup	Wastewater	Wastewater Agriculture	Water Rights	Other:

SECTION IV: Preparer Information

40. Name:	RUSSELL RINC	NC		41. Title:	PROJECT MANAGER
42. Telephone Number		43. Ext./Code	44. Fax Number	45. E-Mail Address	
(210) 494-7223		228	(_) -	RRINCON@B	IMBI.COM

SECTION V: Authorized Signature

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

Company:	BAIN MEDINA BAIN INC		
Name (In Print):	RUSSELL RINCON	Phone:	(210) 494- 7223
Signature:	TZHZ.	Date:	03-06-2025