MODIFICATION OF A PREVIOUSLY APPROVED WATER POLLUTION ABATEMENT PLAN

FOR

GO Pickleball

PREPARED FOR Texas Commission on Environmental Quality

Region 11 – Austin 12100 Park 35 Circle, Bldg. A, Rm 179 Austin, Texas 78711-3087 (512) 339-2929 (office) (512) 339-3795 (fax)



James Ingalls, P.E. 2021 SH 46W, Ste. 105 New Braunfels, TX 78132

> Prepared July 17, 2025



Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

- 1. <u>Edwards Aquifer applications</u> must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.
 - To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: http://www.tceq.texas.gov/field/eapp.
- 2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
- 3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
- 4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.
 - An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.
- 5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
- 6. If the geologic assessment was completed before October 1, 2004 and the site contains "possibly sensitive" features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: GO pickleball				2. Regulated Entity No.: RN110856671						
3. Customer Name: Condor Texas Properties, LLC		LC	4. Customer No.: 605702315							
5. Project Type: (Please circle/check one)	New		Modif	icatior	on Extension		Exception			
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP EXT		Technical Clarification	Optional Enhanced Measures	
7. Land Use: (Please circle/check one)	Resider	ıtial	Non-r	esiden	tial	8. Sit		e (acres):	1.23	
9. Application Fee:	\$4,000)	10. P	ermai	nent I	t BMP(s):		Batch Detention, VFS		
11. SCS (Linear Ft.):	N/A		12. A	ST/US	ST (No	o. Tanks):		N/A		
13. County:	William	son	14. Watershed:				San Gabriel River - North Fork			

Application Distribution

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

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

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

Austin Region				
County:	Hays	Travis	Williamson	
Original (1 req.)			_	
Region (1 req.)	_	_	<u> </u>	
County(ies)		_	<u> </u>	
Groundwater Conservation District(s)	Edwards Aquifer AuthorityBarton Springs/ Edwards AquiferHays Trinity Plum Creek	Barton Springs/ Edwards Aquifer	NA	
City(ies) Jurisdiction	AustinBudaDripping SpringsKyleMountain CitySan MarcosWimberleyWoodcreek	AustinBee CavePflugervilleRollingwoodRound RockSunset ValleyWest Lake Hills	AustinCedar ParkFlorenceGeorgetownJerrellLeanderLiberty HillPflugervilleRound Rock	

	Sa	an Antonio Region			
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)					
Region (1 req.)			_		
County(ies)					
Groundwater Conservation District(s)	Edwards Aquifer Authority Trinity-Glen Rose	Edwards Aquifer Authority	Kinney	EAA Medina	EAA Uvalde
City(ies) Jurisdiction	Castle HillsFair Oaks RanchHelotesHill Country VillageHollywood ParkSan 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.			
lawaa lawalla DE			
0	Agent		
ama Juje	07/17/2025		
	gent Date		

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

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:

Pri	nt Name of Customer Agent: <u>James</u> Ingalls, PE
Da	te: <u>07/17/</u> 2025
Sig	nature of Customer/Agent:
<	James Dry OC_
1.	Regulated Entity Name: <u>GO Pickleball</u>
2.	County: Williamson
3.	Stream Basin: North Fork San Gabriel
4.	Groundwater Conservation District (If applicable): N/A
5.	Edwards Aquifer Zone:
	Recharge Zone Transition Zone
6.	Plan Type:
	✓ WPAP AST SCS UST Modification Exception Request

7.	Customer (Applicant):	
	Contact Person: Ryan Connor Entity: Texas Condor Properties, LLC Mailing Address: 6779 W SH 26, Ste. 100 City, State: Georgetown, TX Telephone: 512-415-0440 Email Address: Ryan@condortxp.com	Zip: <u>78628</u> FAX:
8.	Agent/Representative (If any):	
	Contact Person: James Ingalls, PE Entity: INK Civil Mailing Address: 2021 SH 46W, Suite 105 City, State: New Braunfels, TX Telephone: 830-358-7127 Email Address: plats@ink-civil.com	Zip: <u>78132</u> FAX:
9.	Project Location:	
	 ☐ The project site is located inside the city limits ☐ The project site is located outside the city limit jurisdiction) of ☑ The project site is not located within any city's 	s but inside the ETJ (extra-territorial
10.	✓ The location of the project site is described bel detail and clarity so that the TCEQ's Regional si boundaries for a field investigation.	·
	Located at the intersection of Park Place Drive and	State Highway 29, on the south side of State Highway 29
11.	Attachment A – Road Map. A road map showing project site is attached. The project location and the map.	_
12.	Attachment B - USGS / Edwards Recharge Zon USGS Quadrangle Map (Scale: 1" = 2000') of th The map(s) clearly show:	
	 ✓ Project site boundaries. ✓ USGS Quadrangle Name(s). ✓ Boundaries of the Recharge Zone (and Trandaries) ✓ Drainage path from the project site to the key 	, , , ,
13.	The TCEQ must be able to inspect the project sufficient survey staking is provided on the protect the boundaries and alignment of the regulated features noted in the Geologic Assessment.	ject to allow TCEQ regional staff to locate
	Survey staking will be completed by this date:	N/A

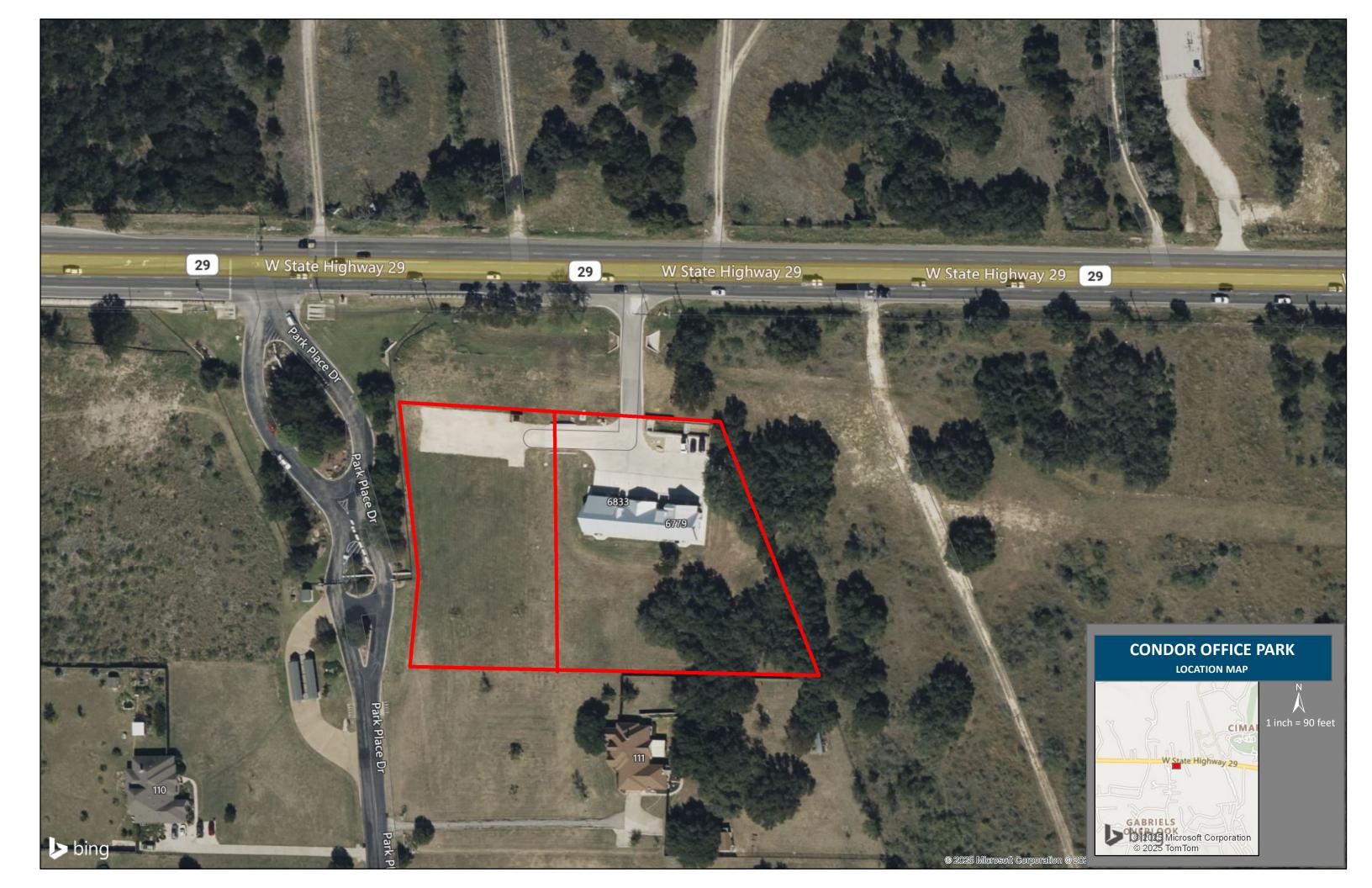
14. 🗸	Attachment C – Project Description . Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:
	 ✓ Area of the site ✓ Offsite areas ✓ Impervious cover ✓ Permanent BMP(s) ✓ Proposed site use ✓ Site history ✓ Previous development Area(s) to be demolished
15. Exi	sting 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: *Note: There is an existing gravel parking lot totaling 0.16 acres
Prof	nibited 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);

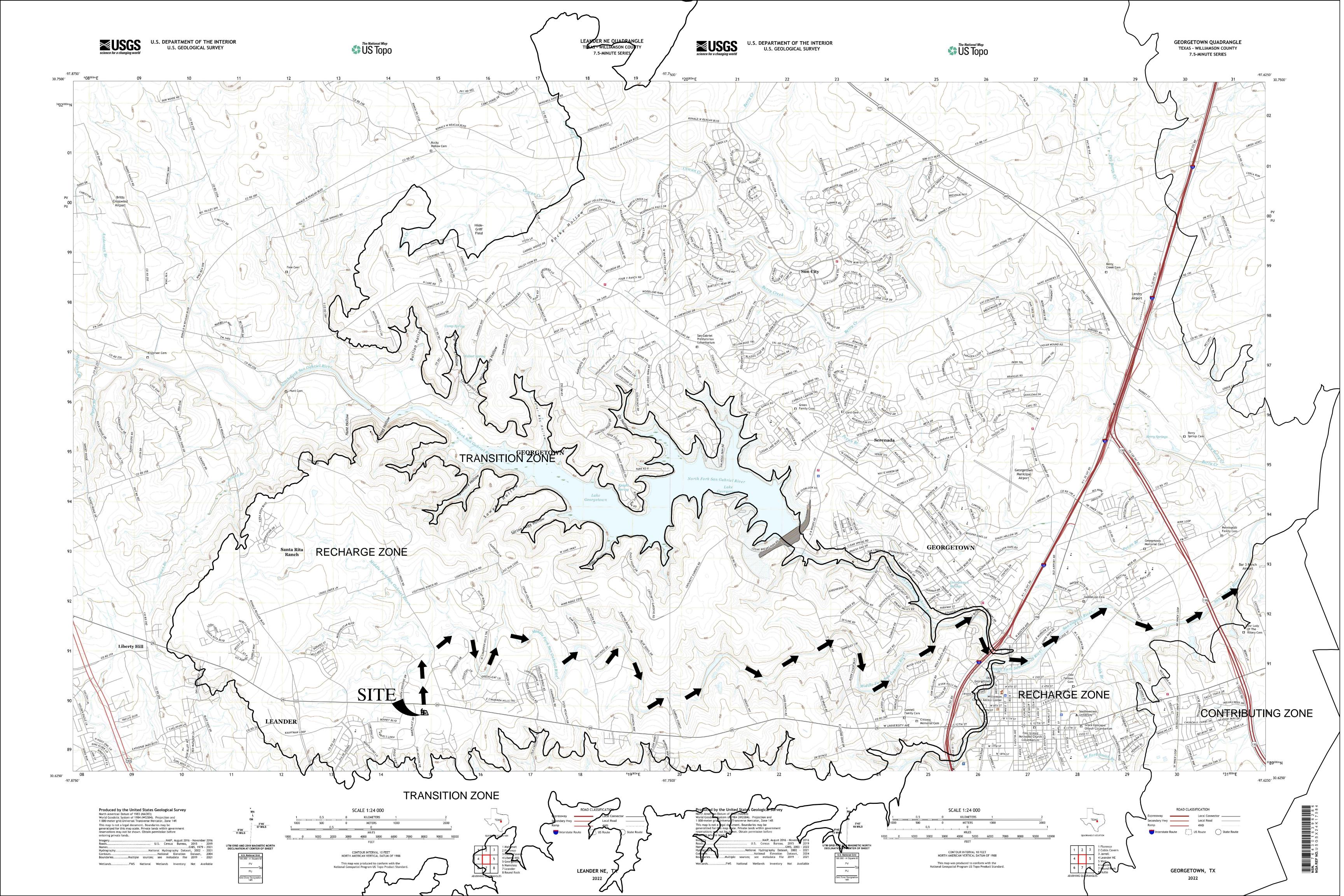
(2) Land disposal of Class I wastes, as defined in 30 TAC $\S 335.1$; and

(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. Tł	ne 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.





ATTACHMENT "C" Project Description

The GO Pickleball project is located on Lot 1 Gabriels Overlook Section IV and totals 1.54-acres, located within Williamson County, Texas. The proposed site is located within the Leander extra territorial jurisdiction (ETJ). Site access is at a shared driveway at the address 6779 W State Highway 29, Georgetown TX 78628.

The current site is partially undeveloped. There is an existing impervious base gravel parking lot totaling 0.16 acres. The remaining portion of the site is undeveloped. The proposed development will consist of outdoor pickleball courts and associated parking. The site has existing water utilities provided by the City of Georgetown. An onsite septic system is proposed to serve the development. Site work will include excavation for two channels and a batch detention pond, which will function as one of the BMP's for the increase in impervious cover. One engineered vegetative filter strip will be utilized to treat the TSS pollution increase. The total additional impervious cover added to the site will be 0.63-acres (0.79 acres minus the existing 0.16 acres), (51.2%) post-development.

There is approximately 53.83 acres of offsite water that is being routed through the site. The offsite water will not impact any proposed BMP's. The offsite runoff will be conveyed through the site via two proposed earthen trapezoidal channels.

There is existing 0.16-acres of impervious cover onsite that was previously permitted with TCEQ in 2019 for the Regulated Entity: Condor Office Park, utilizing a partial sedimentation/filtration basin and three vegetative filter strips to meet the necessary TSS removal for the site.

According to the Flood Insurance Rate Map No. 48491C0275E effective date 9/26/2008, the site is outside of the flood plain. The entire site drains to the Middle Fork San Gabrial River.

INK CIVIL

Go Sports Gym Tract 6827 State Highway 29 West Georgetown, Texas 78628

Geologic Assessment Go Sports Gym Tract – 6827 SH 29 West, Georgetown, Texas

PROJECT NUMBER: 0257403.01.01

PROJECT CONTACT:
Sean Hemmer
EMAIL:
Sean.Hemmer@powereng.com
PHONE:
512-500-0949



Geologic Assessment Go Sports Gym Tract – 6827 SH 29 West, Georgetown, Texas

PREPARED FOR: INK CIVIL
PREPARED BY: SEAN HEMMER
512-500-0949
SEAN.HEMMER@POWERENG.COM

SUBMITTED TO:

CONDOR TEXAS PROPERTIES, LLC 6779 SH 29 WEST, SUITE 400 GEORGETOWN, TEXAS 78628

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.

21	3.	
Pri	nt Name of Geologist: <u>Sean Hemmer</u>	Telephone: <u>512-500-0949</u>
Da	te: <u>3/5/2025</u>	Fax: <u>512-329-8253</u>
	presenting: <u>POWER Engineers, Inc., Firm R</u> PG or TBPE registration number)	egistration No. 50585 (Name of Company and
	gnature of Geologist:	SEAN HEMMER GEOLOGY 15455
Re	gulated Entity Name: Condor Office Park	CENSED CONSTITUTE OF THE PROPERTY OF THE PROPE
P	roject Information	Millian
1.	Date(s) Geologic Assessment was perform	ned: <u>2/26/2025</u>
2.	Type of Project:	
3.	WPAP SCS Location of Project:	AST UST

Contributing Zone within the Transition Zone

Recharge Zone
Transition Zone

		ologic Assessment able) is attached.		Completed	Geol	ogic Asses	sment Table
Hydrolog 55, Appe	ic Soil Gro ndix A, Soi	oject site is summ ups* (Urban Hydr I Conservation Se ow each soil type o	ology for	or Small Wat 986). If ther	tershe e is m	eds, Techn nore than	ical Release No. one soil type on
Table 1 - Soil U	=			Soil Nan	ne	Group*	Thickness(feet)
Soil Name	Group*	Thickness(feet)		* Soil Gi	roup E	Definitions	(Abbreviated)
Crawford clay, 1 to 3 percent slopes (CfB)	rd clay, ercent (CfB) O-2.5 A. Soils having a high inf rate when thoroughly B. Soils having a modera			igh infiltration oughly wetted. oderate			
Fairlie clay, 1 to 2 percent slopes (FaB)	D	0-4	infiltration rate when tho wetted. C. Soils having a slow infiltration rate when thoroughly we D. Soils having a very slow infiltration rate when tho wetted.		ow infiltration bughly wetted.		
					•		
members top of the	, and thicl	atigraphic Columic knesses is attached phic column. Other lumn.	d. The c	utcropping	unit,	if present,	, should be at the
including potential	any featu for fluid n	e Geology . A narra res identified in th novement to the E s is attached.	ne Geolo	ogic Assessn	nent 1	rable, a di	scussion of the
		e Geologic Map(s Plan. The minimu	-	_	Мар	must be t	he same scale as
Applicant's Site Plan Scale: $1'' = 50'$ Site Geologic Map Scale: $1'' = 50'$ Site Soils Map Scale (if more than 1 soil type): $1'' = 50'$							
9. Method of co	ollecting p	ositional data:					
	_	System (GPS) tech lease describe me		data collec	tion: _		
10. X The proje	10. The project site and boundaries are clearly shown and labeled on the Site Geologic Map.				te Geologic Map.		

11. 🔀 Surface geologic units are shown and labeled on the Site Geologic Map.
12. Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
Geologic or manmade features were not discovered on the project site during the fi investigation.
13. The Recharge Zone boundary is shown and labeled, if appropriate.
14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section
 ☐ There are 0 (#) 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.

ATTACHMENT A GEOLOGIC ASSESSMENT TABLE

GEOL	OGIC ASSE	SSMENT T	ABLE			PRO	DJE	CT N	AME:	City	of Ro	und Ro	ck - U	ndevelope	ed Trac	ct (90	00 Lu	ther P	etersc	n Place)
	LOCATIO	N				FEA	TUR	E CI	IARACT	ER	STICS	3			EVAL	_UA1	ION	PH'	YSICA	AL SETTING
1A	1B *	1C*	2A	2B	3		4		5	5A	6	7	8A	8B	9		10	1	1	12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIME	NSIONS (FEET)	TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENS	ITIVITY	CATCHME (ACF		TOPOGRAPHY
						Х	Υ	Z		10						<40	<u>>40</u>	<1.6	<u>>1.6</u>	
S-1	30.636122	-97.803025	CD	5		7	4	1	90				Χ	Low	5	Х		Χ		Hillside
S-2	30.636133	-97.802797	CD	5		8	3	1	90				Χ	Low	5	Х		Χ		Hillside
S-3	30.636577	-97.802703	MB	30	Ked	42	2	4	92					Low	30	Х		Χ		Hillside
S-4	30.636295	-97.802187	MB	30	Ked	20	10	6	97					Low	30	Х		Х		Hillside

* DATUM WGS 84

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

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

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



I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field.

My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

y signature certifies that I am qualified as a geologist as def	ined by 30 TAC Chapter 213.	
S. Flan	Date:	February 28, 2025
	Sheet _	1 of1

ATTACHMENT B STRATIGRAPHIC COLUMN

ATTACHMENT B STRATIGRAPHIC COLUMN

Age	Unit	Description	Thickness in Feet
Cretaceous	Edwards Limestone (Ked)	Limestone, dolomite, and chert ranging from aphanitic to fine-grained, massive to thin bedded, hard, brittle, fossiliferous.	60'-350'
Cretaceous	Comanche Peak Limestone (Kc)	Limestone characterized as fine to very fine grained, fairly hard, nodular, light gray and weathers to white, extensively burrowed.	Up to 80'
Cretaceous	Keys Valley Marl (Kkv)	Marl characterized as soft and white with marine megafossils, feathers out southward.	Up to 50'
Cretaceous	Cedar Park Member (Kcp)	Limestone, dolomite, and chert ranging from aphanitic to fine-grained, massive to thin bedded, hard, brittle, fossiliferous, interfingers with the Edwards Limestone.	Up to 40'

Data Sources: USGS Mineral Resources On-Line Spatial Data, Texas Bureau of Economic Geology

Formations outcropping at the project site are shaded.

ATTACHMENT C NARRATIVE OF SITE-SPECIFIC GEOLOGY

NARRATIVE OF SITE-SPECIFIC GEOLOGY

1.0 INTRODUCTION

A geologic assessment of the 1.27 acres of undeveloped property located at 6827 State Highway (SH) 29 West was conducted by POWER Engineers, Inc. (POWER) pursuant to Texas rules for regulated activities on the Edwards Aquifer Recharge Zone (EARZ) (30 Texas Administrative Code 213).

1.1 Project Description

The Go Sports Gym Tract (Project) is a 1.27-acre tract of property which is located approximately 7.5 miles west of Georgetown, Texas and lies to the south of SH 29 West, in Williamson County, Texas. This property is mostly undeveloped with the northern portion being utilized as an overflow parking area for the commercial building located on the adjoining property to the east. The approximate geographic coordinates of the approximate center of the Project are latitude 30.636333°N and longitude 97.802839°W.

The geologic assessment was conducted to meet regulations for land located within the recharge zone of the Edwards Aquifer.

1.2 Geologic Assessment Scope

The geologic assessment included the following data collection and evaluation tasks:

- » Published geological and/or hydrological reports for Williamson County and the Georgetown area were reviewed, including a geologic assessment of the adjoining property (6779 SH 29 West) completed by POWER in July 2019.
- » Texas Water Development Board groundwater well reports and submitted driller's reports were reviewed for information about wells at the site and local formation descriptions and thicknesses
- » A field survey was conducted by registered professional geoscientist Sean Hemmer, P.G. (No.15455), on February 18, 2025. The survey was conducted by walking transects (less than 50 feet), north to south, across the entire site.
- » Historical aerial imagery and United States Geological Survey (USGS) topographic maps were reviewed to understand the surficial nature and history of the site.

2.0 SITE GEOLOGY

The Project site is located within the EARZ as defined by the Texas Commission on Environmental Quality (TCEQ 2025). The EARZ receives rainfall and funnels it through streams, fractures, and faults for direct infiltration into the aquifer. The project is situated on an outcrop of

the Cretaceous Edwards Limestone (Ked) (see Attachment D-2- Site Geology and Soils Map). The site has a thick soil profile of about 4.5 feet underlain by limestone bedrock (Alliance 2019).

The Project is located approximately 1.7 miles north-northeast of the South Fork San Gabriel River which flows east towards Georgetown. The ground surface of the Project is covered with a veneer of Quaternary terrace deposits which overlie the Cretaceous Edwards Limestone which is mapped underlying the entire Project (see Attachment D-1). During the site reconnaissance, ground surface conditions were characterized as a clay soil and no rock outcrops were noted onsite. Two soil types are mapped on the Project and are presented in Attachment D-2 (USDA 2025).

The Edwards Limestone is a thick sequence of limestone and dolomite, with various amounts of white to light gray chert throughout the formation. The limestone is characterized as aphanitic to fine grained, massive to thinly bedded, hard, and brittle. The dolomite is characterized as fine to very fine grained, porous, and medium gray to grayish brown. In areas where the formation is weathered, the rock is considerably recrystallized, honeycombed, and cavernous forming the Edwards Aquifer. This lithologic unit ranges from 60 to 350 feet in thickness and thins northward (USGS 2007).

2.1 Topography and Surface Drainage

The Project is located on nearly level to gently sloping terrain sloping east into an unnamed tributary of the San Gabriel River (see Attachment D-1). Topographic elevations within the Project range from 971 feet above mean sea level along the northern property boundary to 967 feet above mean sea level along the southern property boundary (USGS 2022).

2.2 Structural Geology and Stratigraphy

The inactive Balcones Fault Zone (BFZ) consisting of numerous northeast to southwest trending faults dictates the structural geology of the region. A review of the geologic map (USGS 2007) of the area determined that the nearest fault is located approximately 3.5 miles northwest of the Project. No faults were identified within the Project during this assessment.

2.3 Geologic and Manmade Features

A pedestrian survey of the site was conducted on February 18, 2025. Four man-made features were identified on the Project during the site reconnaissance and through online research. A ground disturbance was observed along the eastern site boundary. The disturbance is about 15 feet long and 15 feet wide with an irregular surface with exposed timber, iron rebar, and concrete. The disturbance does not have geologic characteristics or man-made features in bedrock but appears to be a former excavation backfilled with soil, rock, and debris. The following provides a description of each feature and its components identified on the Project. Photographs of each aboveground feature are included in Attachment D-3.

Feature S-1 is a non-karst closed depression which is assumed to be created by human activities and is located near the southwestern corner of the Project (see Attachment D-1). This feature measures approximately 7 feet long by 4 feet wide by 1 foot deep and appears to be an excavation commonly used for percolation tests for septic systems. The closed depression has a clay floor and does not appear to modify the topography on

- top of the bedrock. Based on the conditions of the feature, it is not considered sensitive to recharge.
- 2. Feature S-2 is a non-karst closed depression similar to S-1 and also assumed to be created by human activities. It is located in the south-central portion of the Project, approximately 65 feet east of Feature S-1 (see Attachment D-1). This feature measures approximately 8 feet long by 3 feet wide by 1 foot deep. The feature has a clay floor and does not appear to modify the topography on top of the bedrock. Based on the conditions of the feature, it is not considered sensitive to recharge.
- 3. Feature S-3 is a man-made feature that consists of an eight-inch diameter water line which is assumed to be installed in bedrock. The pipe is owned and operated by Williamson County. This water line is a distribution line which is supplied by a main line which parallels SH 29 West to the north. This 8-inch distribution line begins at a clean out location in the northeastern corner of the Project and traverses the Project to the east towards another clean out location. Approximately 20 feet of this pipe is located within the Project boundary in addition to the square concrete collar surrounding the clean out location (see Attachment D-1). Based on the conditions observed, this feature is not considered sensitive to recharge.
- 4. Feature S-4 is a man-made feature that consists of a constructed septic system collection tank located in the eastern portion of the Project. This septic system is utilized by the commercial building constructed on the adjoining property and is assumed to be installed above bedrock. Three small circular access caps are visible on the surface while the majority of the feature is buried. The feature measures approximately 20 feet long by 10 feet wide with an assumed depth of 6 feet below ground surface (see Attachment D-1). Based on the conditions observed, this feature is not considered sensitive to recharge.

3.0 CONCLUSIONS

The field survey discovered four manmade features on the Project. A determination was made that all features, and their components, have a low probability for rapid infiltration into the aquifer. Two non-karst closed depressions, features S-1 and S-2, are located in the southwestern portion of the Project are soil floored and were determined not to modify the topography on top of the bedrock, and therefore, are not considered sensitive to recharge. Feature S-3 is a buried 8-inch water distribution line and an associated clean out location with a concrete collar located in the northern portion of the Project. This feature is not considered sensitive to recharge. Feature S-4 is a constructed septic system tank located in the easternmost portion of the Project and is being utilized by the commercial building constructed on the adjoining property. This feature is not considered sensitive to recharge. The area of disturbance that appears to contain backfill and inert debris has developed a shallow cavity at the surface but is a result of differential compaction and is not considered sensitive to recharge.

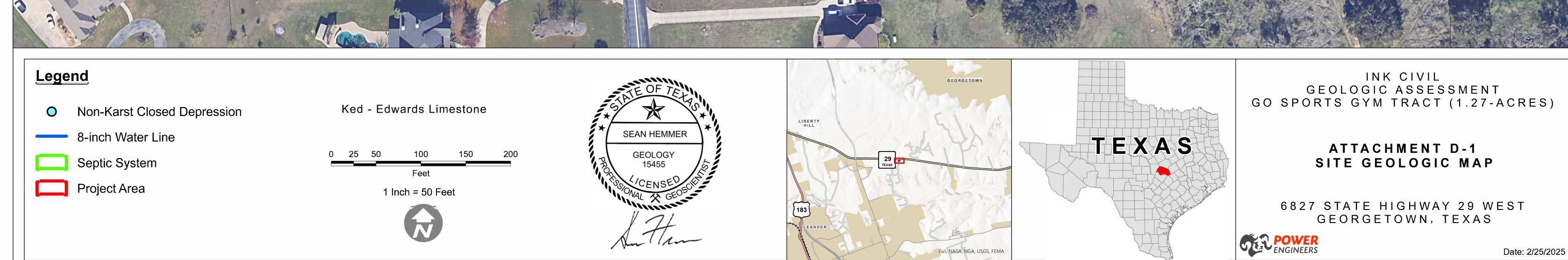
4.0 REFERENCES

- Alliance Engineering Group, Inc. 2019. Subsurface Investigation and Geotechnical Evaluation New Office Building with Parking and Driveway 6779 West Highway 29, Georgetown, Texas, Alliance Engineering Group, Inc. Project No. AE18-1101.
- Google Earth Pro V 7.3.6.10201. (Imagery dated December 2023) Williamson County, Texas. Coordinates: 30.636333°N, 97.802839°W.
- POWER Engineers, Inc. (POWER). 2019. Geologic Assessment for 6779 West Highway 29, Georgetown, Texas, Project number 159468.
- Railroad Commission of Texas (RRC). 2025. Public GIS Viewer. https://gis.rrc.texas.gov/GISViewer/. Accessed February 19, 2025.
- Texas Commission on Environmental Quality (TCEQ). 2004. TCEQ-0585 Instructions to Geologists for geologic Assessments on the Edwards Aquifer Recharge Zone Rev. 10-01-2004.
- Texas Commission on Environmental Quality (TCEQ). 2025. Edwards Aquifer Viewer Version 5.2. https://experience.arcgis.com/experience/fbd266a3fbce4adc83e890480ac7b135. Accessed February 19, 2025.
- United States Department of Agriculture (USDA). 2025. Natural Resources Conservation Service (NRCS) Web Soil Survey Soil Survey Geographic database for Williamson County, Texas. https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx. Accessed February 19, 2025.
- United States Geologic Survey (USGS). 2007. Geologic Database of Texas (GDbT) Vector digital data published in cooperation with the Texas Geographic Information Office https://webapps.usgs.gov/txgeology/. Accessed February 19, 2025.
- United States Geologic Survey (USGS). 2022. The National Map US Topographic Map Database. Leander NE Quadrangle. Williamson County, Texas. 7.5-Minute Series. Scale 1:24,000. Accessed February 25, 2025.
- Texas Water Development Board (TWDB). 2025. Water Data Interactive: Groundwater Well Reports and Submitted Driller Reports

 http://www2.twdb.texas.gov/apps/WaterDataInterative/GroundWaterDataViewer. Accessed February 19, 2025.

ATTACHMENT D-1 SITE GEOLOGIC MAP





ATTACHMENT D-2 SOIL MAP





Project Area

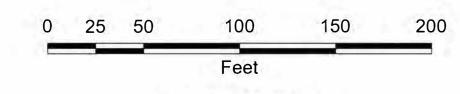
SSURGO Soil

CfB - Crawford clay, 1 to 3 percent slopes

EeB - Eckrant stony clay, 0 to 3 percent slope, stony

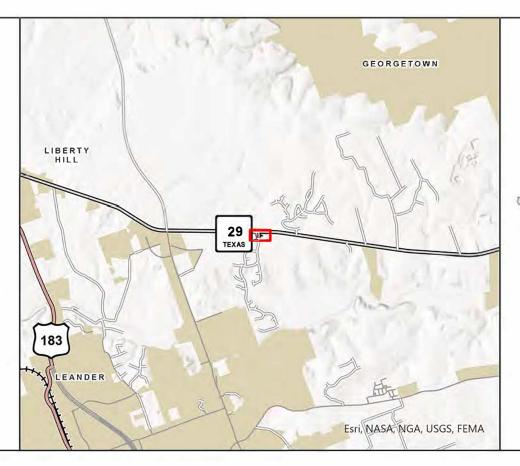
FaB - Fairlie clay, 1 to 2 percent slope

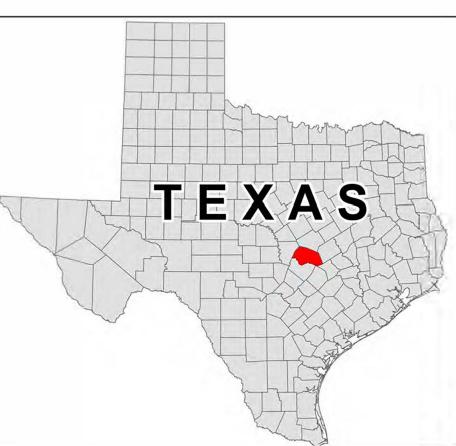
GsB - Georgetown stony clay loam, 1 to 3 percent slopes



1 Inch = 50 Feet







INK CIVIL GEOLOGIC ASSESSMENT GO SPORTS GYM TRACT (1.27-ACRES)

ATTACHMENT D-2 SITE SOIL MAP

6827 STATE HIGHWAY 29 WEST GEORGETOWN, TEXAS



Date: 2/24/2025

ATTACHMENT D-3 FEATURE PHOTOGRAPH LOG



Photo 1 Feature S-1 – View of a non-karst closed depression located in the southwest corner of the subject property. This feature is approximately 1 foot in depth and soil floored.



Photo 2 Feature S-2 – View of a non-karst closed depression located approximately 70 feet to the east of Feature S-1 shown above. This feature is approximately 1 foot in depth and soil floored.



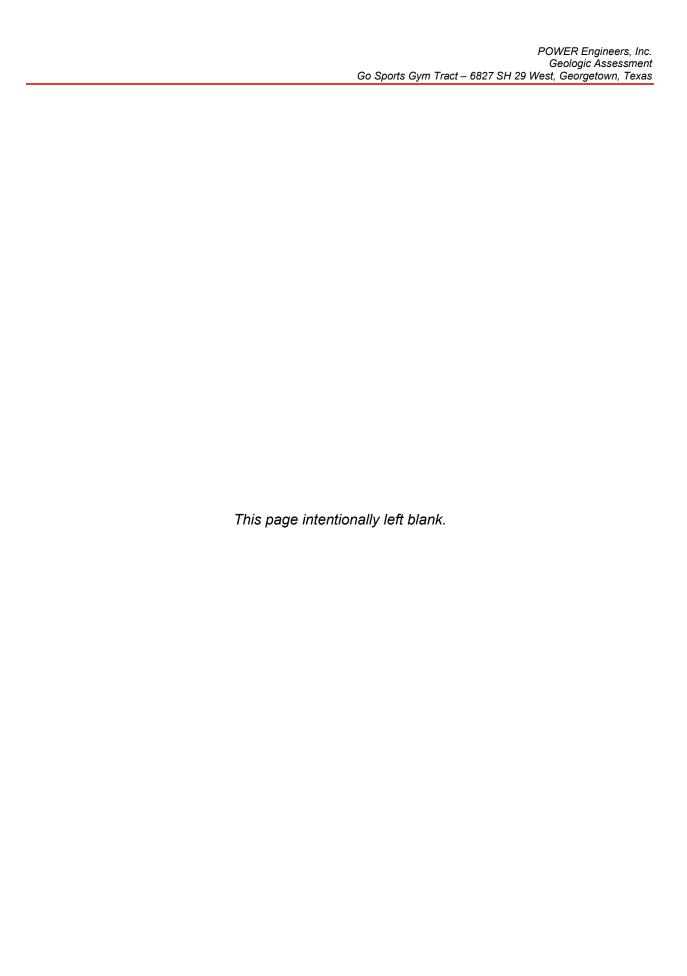
Photo 3 Feature S-3 – View of the 8-inch water line which runs east-west and located to the south of the bridge spanning the drainage swale in the northeast corner of the subject property.



Photo 4 Feature S-4 – View of the underground septic system tanks utilized by the commercial building located on the adjoining property. These tanks are located within the property boundary associated with this report.



Photo 5 View of the area of disturbance characterized as a former excavation backfilled with soil, rock, and debris consisting of timber, iron rebar, and concrete.



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:

PΕ

Print Name of Customer,	Agent: <u>James</u> Ingalls,
Date: <u>07-17-</u> 2025	
Signature of Customer/A	gent:
James Jung	00
	oall

Regulated Entity Information

1.	The type of project is:					
	Residential: Number of Lots: Residential: Number of Living Unit Equivalents:					
	✓ Commercial ☐ Industrial ☐ Other:					
2.	Total site acreage (size of property): 1.23					
3.	Estimated projected population: N/A					

4. The amount and type of impervious cover expected after construction are shown below:

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Existing / Proposed Sq. Ft.	Sq. Ft./Acre	Existing / Proposed Acres	
Structures/Rooftops	0.0 / 0.0	÷ 43,560 =	0.0 / 0.0	
Parking	Parking 6969.6 / 16604.8		0.16 / 0.38	
Other paved surfaces	0.0 / 17760	÷ 43,560 =	0.00 / 0.41	
Total Impervious Cover	6969.6 / 34,364.8	÷ 43,560 =	0.16 / xxxx Total Post-Dev. = 0.79	

Total Impervious Cover <u>0.79</u> ÷ Total Acreage <u>1.23</u> X 100 = <u>51.1</u> % 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 pavement Other:
9.	Length of Right of Way (R.O.W.): feet.
	Width of R.O.W.: feet. $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$
10.	Length of pavement area: feet.
	Width of pavement area: feet. L x W = $Ft^2 \div 43,560 Ft^2/Acre = acres.$ Pavement area acres \div R.O.W. area acres x $100 = \%$ impervious cover.
11.	A rest stop will be included in this project.
	A rest stop will not be included in this project.

 Т r	CEQ Executive Director. Modifications to	n one-half (1/2) the width of one (1) existing
Storr	nwater to be generated b	y the Proposed Project
v	volume (quantity) and character (quality) occur from the proposed project is attach quality and quantity are based on the area	Stormwater . A detailed description of the of the stormwater runoff which is expected to ed. The estimates of stormwater runoff a and type of impervious cover. Include the construction and post-construction conditions.
Wast	ewater to be generated b	y the Proposed Project
14. The	character and volume of wastewater is sh	nown below:
	_% Domestic _% Industrial _% Commingled TOTAL gallons/day	Gallons/day Gallons/day Gallons/day
15. Was	tewater will be disposed of by:	
\checkmark	On-Site Sewage Facility (OSSF/Septic Tank):
	will be used to treat and dispose of the licensing authority's (authorized agent the land is suitable for the use of privathe requirements for on-site sewage for relating to On-site Sewage Facilities. Each lot in this project/development is size. The system will be designed by a	Authorized Agent. An on-site sewage facility e wastewater from this site. The appropriate it) written approval is attached. It states that atte sewage facilities and will meet or exceed acilities as specified under 30 TAC Chapter 285 at least one (1) acre (43,560 square feet) in licensed professional engineer or registered installer in compliance with 30 TAC Chapter
	sewage Collection System (Sewer Lines):	
]	to an existing SCS.	water generating facilities will be connected water generating facilities will be connected
[The SCS was previously submitted on_ The SCS was submitted with this applied The SCS will be submitted at a later data be installed prior to Executive Director	cation. te. The owner is aware that the SCS may not

	ection system will convey the wastewater to the The treatment facility is:	(name)
Existing. Proposed.		
16. All private service	e laterals will be inspected as required in 30 TAC §2	213.5.
Site Plan Requi	irements	
Items 17 – 28 must be in	ncluded on the Site Plan.	
17. 🗸 The Site Plan mu	st have a minimum scale of 1" = 400'.	
Site Plan Scale: 1" =	20 '.	
18. 100-year floodplain l	boundaries:	
is shown and lab No part of the pr The 100-year floodp	he project site is located within the 100-year flood eled. oject site is located within the 100-year floodplain lain boundaries are based on the following specific <u>FEMA</u> Firmette Map No. 48491C0275E Effective Sep	c (including date of
appropriate, but	development is shown with existing and finished not greater than ten-foot contour intervals. Lots, open space, etc. are shown on the plan.	
greater than ten- existing topograp	e development is shown with existing contours at a foot intervals. Finished topographic contours will whic configuration and are not shown. Lots, recreat open space, etc. are shown on the site plan.	not differ from the
20. All known wells (oil,	water, unplugged, capped and/or abandoned, test	t holes, etc.):
	(#) wells present on the project site and the location of the following that apply)	ons are shown and
The wells are	not in use and have been properly abandoned. not in use and will be properly abandoned. in use and comply with 16 TAC §76.	
✓ There are no wel	Is or test holes of any kind known to exist on the p	oroject site.
21. Geologic or manmad	le features which are on the site:	
shown and la No sensitive a Assessment.	geologic or manmade features were identified in the	he Geologic
	D - Exception to the Required Geologic Assessment for an exception to a portion of the Geologic Asses	•

22. $\boxed{\checkmark}$ The drainage patterns and appro	ximate slopes anticipated after major grading activities
23. $\boxed{\checkmark}$ Areas of soil disturbance and are	as which will not be disturbed.
24. 🗸 Locations of major structural and permanent best management pr	nonstructural controls. These are the temporary and actices.
25. $\boxed{\checkmark}$ Locations where soil stabilization	practices are expected to occur.
26. 🗌 Surface waters (including wetlan	ds).
✓ N/A	
27. Locations where stormwater disconnections.	charges to surface water or sensitive features are to
✓ There will be no discharges to su	rface water or sensitive features.
28. $\boxed{\checkmark}$ Legal boundaries of the site are s	hown.
Administrative Informati	on
needed for each affected incorporate county in which the project will be	1) copy of the application, plus additional copies as brated city, groundwater conservation district, and be located. The TCEQ will distribute the additional ecopies must be submitted to the appropriate regional
	ill require Executive Director approval, prior to bmission of a revised application, with appropriate

ATTACHMENT "A" Factors Affecting Water Quality

The development may introduce pollution from the asphalt drives, automobile waste, household cleaning chemicals, or improperly disposed of waste or litter. To mitigate the increase in TSS load generated by the development, a batch detention basin and three engineered vegetative filter strips have been designed to remove the necessary TSS load per TCEQ Technical Guidance on BMPs RG-348.

ATTACHMENT "B"

Volume and Character of Stormwater

The development of this site will result in a minimal increase in stormwater run-off. The vegetative filter strips and batch detention basin will function to remove particulate pollutants and to reduce maximum runoff rates associated with development to their predevelopment levels. All site runoff subsequently drains to the Middle Fork of the San Gabriel River and subsequently the San Gabriel River Basin.

ATTACHMENT "C"

Suitability Letter from Authorized Agent

Please see attached OSSF suitability letter.

ATTACHMENT "D"

Exception to the Required Geologic Assessment

No exception will be requested.



County Engineers' Office 3151 SE Inner Loop, Suite B Georgetown, TX 78626 Telephone (512) 943-3330 Fax (512) 943-3335

NOTICE OF APPROVAL TO OPERATE AN OSSF

CONDOR TEXAS PROPERTIES LLC: STEPHEN DORMAN, RYAN PO BOX 1083

CEDAR PARK, TX 78630

Permit #: <u>OSSF-2020-0222</u>

Location: 6779 W SH 29, GEORGETOWN, TX 78628

Date Issued:

THIS IS TO CERTIFY that the on site sewage facility meets or exceeds the basic requirements established by the Williamson County Engineer's office.

LICENSE TO OPERATE this facility is hereby granted to the owner. This license simply grants persmission to operate this facility; it does not guarantee

its successful operation. Routine maintenance and proper functioning are the sole responsibility of the owner.

NOTE: THE FOLLOWING CONDITIONS AND CRITERIA APPLY TO THIS LICENSE. FAILURE TO COMPLY WITHTHESE CRITERIA WILL VOID THE LICENSE AND WILL REQUIRE A NEW PERMIT.

- This system is designed to treat a domestic strength wastewater flow of 120 gallons from 3 office / warehouse units for the equivalent of 15 employees (5 per unit).
- This system is designed to treat domestic strength wastewater only, no chemical waste or wastewater generated from manufacturing type processes.
- Residential strength and type wastewater only, maximum wastewater strengths of 140 mg/L BODs prior to discharge to the drain field.
- No kitchen. Warming prepared food for employees is permitted on a daily basis.
- · No commercial or domestic food preparation allowed.
- The OSSF is designed to handle facilities with a normal business day (8 hours a day) for employees.
- The approval of this OSSF design does not allow for the inclusion of discharge from water softeners.
- Consult with your OSSF designer if such discharge is to take place.
- This property is in the Edwards Aquifer Recharge Zone. The addition of any impervious cover would require a water pollution abatement plan by the Texas Commission on Environmental Quality and would void this approval and require a new permit.
- Any violations of proper operation or maintenance and management practices will require a new permit. No surface improvements allowed within 5' of OSSF.
- Any failure to meet permit conditions, change in the type of use, increase in flow or change in the nature of effluent will require a new permit.
- A BOD₅ test and water usage records may be requested. If testing fails repeat monthly, 3 failed results will require a new permit and system upgrade to current standards

KEEP THIS LICENSE with important papers. You may need it when selling your house or if a malfunction occurs.

THIS LICENSE REMAINS in effect until the system, water usage, or structure is changed or such time as there is evidence that this facility is not operating properly and may constitute a threat to the health of the people of Williamson County.

THIS license to operate is conditioned. Any change in use, increase in flow, or violation of setbacks including swimming pool lines, irrigation lines or surface improvement encroachments will require a new permit.

SEE ENGINEER DRAWINGS/INSPECTION NOTES & MEASUREMENTS AVAILABLE UPON REQUEST.

Description of Permitted Work

Agency Official:

Date:

4/9/2021

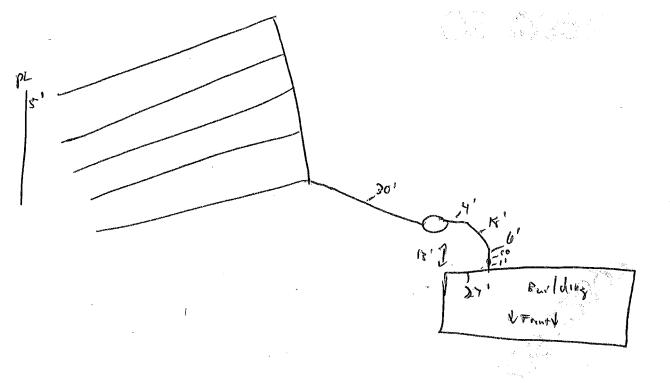
Roger Hickman, OS0031853

For Terron Evertson PE. DR OS 032486

1 st Inspection	5-15-20	2 nd Inspection	6262020 OSSF#	26-	0111	

WILLIAMSON COUNTY ENGINEER'S OFFCE ALTERNATIVE SEPTIC SYSTEM INSPECTION -- FIELD NOTES

SITE LOCATION: 6779 W. Hwy 29, Svite 400, Gt.
INSTALLER: 6. REPA INSTALLER # 3058 /EXP (0-31-) PHONE # 512-656-89 APPRENTICE APPRENTICE# PHONE #
AUTHORIZATION TO CONSTRUCT GRANTED: If no, then no inspection can take place. (ves)no
INSTALLER APPROPRIATELY LICENSED:
I. TANK TYPE: 1. Concrete Other Type: Box g/ c Oval hso g/ c Pump Tank g/ c
II. SOIL DISPOSAL FIELDS:
1. Method: A. Trenches B. Mound C. Pumped Conventional D. Other:
2. Setbacks: Tank to well WA ft Disposal to well WA ft Water lines Front ft House/Improvements B ft
Property lineft Body of waterft Break in gradeft Easementsft Other
5. Dimensions of Fields: A. Field #1° *** *** *** *** *** *** *** *** *** *
B. Field #2 $ 'x _ ' = $ $ Ft^2 Total i) C C $ Ft ²
C. Depth of Fields
4. Sand on Site: Amount Yards, estimated.
5. Gravel on Site: Xmount Yards, estimated.
6. Backfill on Site: Amount 100 Yards, estimated Class/Type: Sancly long w
7. Type of Diversion Valve, Type of Pressure Valve PRail/elach/lamen & Tolk
III. GENERAL CONDITIONS AND WORKMANSHIP OPEN PIT: Date: ケーシー Inspector: Yes No
1. Sch. 40 (min) pipe glued in place from structure to tank with 1/8" per foot min fall
2. All needed clean-outs with screw caps in place
3. Holes around inlet and outlet grouted or sealed Can/R
4. Tank is watertight (filled to flow line)
5. Tank is set correct/level, sand padded and tank hole is clear of debris
6. T's & extensions installed in tank / effluent filter
7. Bed or trench bottom essentially level (1" in 25' / 3" overall)
8. Correct pipe size and spacing of holes in the pipe
9. Evidence of seeps or shallow groundwater
10. Tank lids sealed or fitted with secure water tight caps
10. Talk has scaled of fitted with secure water right caps
IV. HEAD PRESSURE/ LANDSCAPE INSPECTION: Date: 4-14-16 Inspector: Very No.
1. Correct pipe size & schedule (S/40 min) from tank to valve and beds
2. Pipe and field covered with correct gravel size & grade
2 17 1
4. Soil conditions dry during installation
4. Soil conditions dry during installation 5. Correct pump: Mfg: 1. her ty Model: 750 HP Size: // hyp
6 Alama Prolama float and functional
7. Visible Disconnects/Junction Box/Rigid Conduit
0.001 0.11 1.140 1.00
8. The fields are mounded 4" and 6"
10. Berm or swale in place (if needed)
10. Berni of swale in place (if fleeded)
V. FINAL SYSTEM APPROVAL: Inspector: The Ray 3239 Date: 0-26-30
DEMARKS.
REMARKS:



INTERNAL CHECKLIST FOR ON-SITE SEWAGE FACILITY PROFESSIONAL DESIGNS

DATE: 04/24/20 OWNER: Stephen D	orman & R	yan Conno	r	OSSF #:	20-0222			
LOCATION: 6779 W. Hwy 29, Suite 400, George	etown							
DESIGNER: Jason Clark, R.S. # 3616	SITE EVA	LUATOR:						
				Office / Wa	rehouse			
	PD	Employees	on Permit:	15	Sq Ft:	3,520		
Wastewater Design Flow (Gal/Day): 12	20	Employees	on Design:	15	Sq Ft:	3,520		
Soil/Surface Application Rate: 0	.1	Equivalent	Bedrooms:					
SITE EVALUATION (Most restrictive conditions)					avel Salus parameter			
Class of Native Soil: IV w/ < 30%	-				R required:			
Restrictive layers (Rock, Clay, etc) Rock	→ Depth:		. F		addressed:			
Evidence of Groundwater: No	→ Depth:	NA		EARZ A	Addressed:	Yes		
NOT APPROVED by Field Inspector:			APPROVE	D by Field	Inspector:	JLL 4/22		
TREATMENT PROCESS		1,250 gal3						
Septic / Trash Tank (gallons): 750 gal 2/C	<u> </u>	<u>.</u>	Pump Tan	k (gallons):	500 gal 1/0)		
DISPOSAL PROCESS			Dimensio	ns (if bed):				
Drain Field (Linear Feet): 300'		Drai	n Field (Sq	uare Feet):	1,200			
Depth Min/Max (inches): 6" /	12"			x (inches):	36"	/ 36"		
Diversion Valve: NA			Press	sure Valve:	Ball			
Gravel Size & Depth: 3/4 - 2" & 6	11	Backfill	Class/Height	above grade:	II / 10" Min	<u>.</u>		
DOSING & DISTRIBUTION		ha na statebolina sebiph himotocholish i status monete na od na hi			vi storomentario de la companio del companio della			
Dosing Rate (gal/minute): 30		Dos	sing Volum	e (gallons):	69.5			
Reserve capacity in pump tank (gal): 208.5			Head	Pressure:	24"			
Check Valve: Yes			Sy	phon Hole:	NA			
EQUIPMENT SPECIFICATIONS				at Books Street Chicaton Chicaton Chica	and the second s	ere massachus, ea usan naem in Urinnere		
High Water Alarm: addressed			Audible:		Visual:			
Pump Size (hp) / Model: 1/2hp Liber	ty 280	Pump on separate circuit from alarm? Yes						
Filtration / Model: NA								
CONSTRUCTION PLAN (SITE PLAN/CROSS S	ECTIONS)							
Contour lines/slope - esp. in disposal area:	Well loc	ations shown:	NA	Wate	er line shown:	Yes		
Profile Holes shown and near drain field: Yes	Property	y lines shown: Yes Setbacks shown/stated: yes			yes			
Float settings (inches) in pump tank: Yes	Cross se	ction of tanks:	Yes	Cross Sect	tions Labeled:	Ok		
Landscape/Vegetation Notes: seed, hydro	omulch, or s	od						
CONTRACTURAL / ADMINISTRATIVE			Arenya er karan karan ya kuna ar					
Signed/Sealed/Dated by designer: J. Clark 4/1	/20			Fees Due:	NA			
Supply Line Diameter (inches): 2.00"	Trench	Length	# Holes	Trench	Length	# Holes		
Lateral Diameter (inches): 1.00"	1	60'	15					
Hole Size (inches): 5/32"	2	60'	14					
Hole Spacing: 48 - 60"	3	60'	13					
Pipe separation: 6' O.C.	4	60'	13					
Minimum Dosing Volume met: Yes	5	60'	12	AND THE PROPERTY OF THE PARTY AND THE PARTY				
DESIGN ADDROVED.		ADDITION	AL NOTES	<u>5:</u>				
DESIGN APPROVED: YES NO	DESIGN APPROVED: YES NO							
OV OWEIZION		* Water Lir						
OK - CW 5/7/20		* Bldg not	visable					
*Slope *								
CW OS # 31826 4/24/20								
Inspector / Date								

Department of Infrastructure County Engineer's Office 3151 SE Inner Loop, Ste B Georgetown, TX 78626 T: 512.943.3330

F: 512.943.3335

J. Terron Evertson, PE, DR, CFM



May 7, 2020

Condor Texas Properties – Stephen Dorman & Ryan Connor PO Box 1083 Cedar Park, Texas, 78630

Re: On-Site Sewage Facility (OSSF) Permit# 2020-0222, 6779 W. Hwy 29, Georgetown

This OSSF design submitted by Jason Clark, RS, appears to meet the minimum requirements of Williamson County Engineers Office.

Authorization to construct has hereby been granted.

NOTE: THE FOLLOWING CONDITIONS AND CRITERIA APPLY TO THIS LICENSE. FAILURE TO COMPLY WITH THESE CRITERIA WILL VOID THE LICENSE AND WILL REQUIRE A NEW PERMIT.

- This system is designed to treat a domestic strength wastewater flow of 120 gallons from 3 office / warehouse units for the equivalent of 15 employees (5 per unit).
- This system is designed to treat domestic strength wastewater only, no chemical waste or wastewater generated from manufacturing type processes.
- Residential strength and type wastewater only, maximum wastewater strengths of 140 mg/L BOD⁵ prior to discharge to the drain field.
- No kitchen. Warming prepared food for employees is permitted on a daily basis.
- No commercial or domestic food preparation allowed.
- The OSSF is designed to handle facilities with a normal business day (8 hours a day) for employees.
- The approval of this OSSF design does not allow for the inclusion of discharge from water softeners. Consult with your OSSF designer if such discharge is to take place.
- This property is in the Edwards Aquifer Recharge Zone. The addition of any impervious cover would require a water pollution abatement plan by the Texas Commission on Environmental Quality and would void this approval and require a new permit.
- Any violations of proper operation or maintenance and management practices will require a new permit. No surface improvements allowed within 5' of OSSF.
- Any failure to meet permit conditions, change in the type of use, increase in flow or change in the nature of effluent will require a new permit.
- A BOD₅ test and water usage records may be requested. If testing fails repeat monthly, 3 failed results will require a new permit and system upgrade to current standards

Any changes in the above design must have written approval by the engineer prior to construction. The written specifications of such changes along with an "as built" drawing must be furnished to Williamson County for evaluation. If required, the license to operate the system will not be issued until all needed documentation is received from the designing engineer.

If any well easements encroach upon the drain field area or groundwater is encountered, this design is void. Stop construction immediately and contact our office to receive instructions on how to proceed. If you should have any questions regarding this matter, please feel free to contact me at this office.

Sincerely,

Chad Winky Chad Winkler, OS 31826 OSSF Soil/Site Evaluation and Design

SITE EVALUATION

Date: 3-25-20

OSSF # 2020-

LOCATION OF PROPERTY

6779 W. Hwy 29 Georgetown, TX

Unincorporated Area? y

PERFORMED BY

Jason Clark, R.S. SE 10849 P.O. Box 32 Thrall, TX 76578 (512) 856-2933

INSTALLER INFO.

Repa

<u>Date Performed: 3-25-20</u> Profile Hole #1

Depth	Class	Structure	Mottling/ groundwater	Restrictive Horizon	Observations
0-24"	iv	Massive	No evidence	.f.r. @ 25"	silty clay w/ less 30% gravel

Profile Hole #2

Depth	Class	Structure	Mottling/ groundwater	Restrictive Horizon	Observations
0-24"	IV	Massive	No evidence	f.r. @ 25"	silty clay w/ less 30% gravel

Proposed Excavation Depth: 6-12" lpd

Features of Site Area:

- 100 year flood zone = no
- upper water shed = no
- ponds, streams, water impoundments = no
- existing or proposed well in area = old eistern no
- organized sewage service available to lot = no
- EARZ features within 150' of proposed OSSF = no
- Evidence of groundwater = no

Based on this site evaluation, the following systems may be utilized:

- Conventional = no
- Drip = yes
- ET = no
- Graveless = no
- Leaching chamber = no
- LPD = yes
- Mound = yes
- Soil substitution = no
- Spray = yes

SIII)A	W.	IN	G
	1"	= 5	0,		

NORTH

SEE SITE DRAWING FOR PROFILE HOLE LOCATION

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability:

Jason Clark, R.S.

SE 10849
Signature:

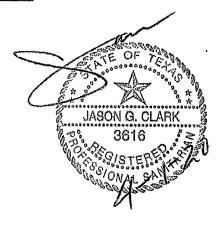
LOCATION OF PROPERTY:

6779 W. Hwy. 29 Georgetown, TX

OSSF# 2020-

Submitted By: Jason Clark, R.S. P.O. Box 32 Thrall, TX 76578 (512) 966-6269 cell

jasonelark720@gmail.com



SITE EVALUATION

- This lot does lie within the EARZ. No portion of this OSSF will be located within 150' of any recharge features.
- · Positive drainage exists on this lot.
- Only domestic waste water shall be disposed into this OSSF (200 mg/L or less)

DESIGN CONCLUSION

Type of Facility:

Office / Warehouse Building w/ 3 units (3 toilets, 6 sinks,

1 mop sink)

S.F. of building:

3,520 s.f. heated / cooled

of employees per unit:

up to 5 per unit @ 4 gal per

empl. (15 total)

Maximum Daily Discharge Rate:

120 GPD (future expansion)

PROPOSED OSSF DESIGN LAYOUT AND FIGURES

Figure 1- OSSF design layout at this particular site

Figure 2- Cross section of the tanks to be used

Figure 3- Cross section of the drainfield

This OSSF will include these components:

- A two-way cleanout placed within three feet of the building and every 50 feet between the building and tank. This line shall be 3" or 4" sch 80 pvc with a minimum fall of 1/8" per foot.
- A 1,250 gallon three-compartment tank. Tank must have a minimum 5' setback from the foundation and be level within 1". It should be bedded with a minimum of 4" of washed sand. The tank must be backfilled with class II soil. A traffic lid will be required for this tank.
- Approximately 100' of 2" sch 40 pvc supply line.
- The drainfield will consist of 1,200 s.f. as lpd trenches.
- One ball valve will be used to set head pressure.

CALCULATIONS

Maximum daily discharge rate:

120 GPD (Q)

• Soil application rate:

0.1 for class IV soil (Ra)

Total absorptive area:

A

• Total feet of lateral line:

L

Total absorptive area (A)= \underline{Q} Therefore, $\underline{120}$ = 1200 square feet \underline{Ra} 0.1

Total feet of lateral line (L)= A/(w+2(0.5))

1200 / (3+2(0.5))

1200/4 L = 300

As Designed:

300 linear feet / 1,200 square feet

DRAINFIELD CRITERIA

Lateral line:

1" schedule 40 PVC

• Head pressure:

2 feet of head at 0.87 psi

• Hole diameter:

5/32"

• Drainfield:

One zone

line one starts at the highest elevation

Elevation Difference (inches) across the field = 8"

• Flow differential = 5.1 %

Field A

line#	line length	hole s	p.# of holes	hole diameter	gpm / hole	gpm / line
1	60 ft.	48"	15	5/32	0.41	6.15
2	60 ft.	51"	14	5/32	0.43	6.02
3	60 ft.	55"	13	5/32	0.45	5.85
4	60 ft.	55"	13	5/32	0.47	6.11
5	60 ft.	60"	12	5/32	0.49	5.88
Total	300 ft.		67	5/32 in.		30.0

INSETS (FIRST HOLE IN LATERAL LINE PIPE)

48"-24" INSET

51"-28.5" INSET

55"-30" INSET

60"-30" INSET

STORAGE VOLUMES

SUPPLY LINE

16.2 GALLONS WITH 100 LINEAR FEET OF 2 INCH SCHEDULE 40 PVC

LATERAL LINE (per field)

4.1 GALLONS WITH 100 LINEAR FEET OF 1 INCH SCHEDULE 40 PVC Ttl lateral pipe storage is 240'/ 100'x 4.1=9.84 gal

DOSING VOLUMES

<u>Minimum</u>

V (dose) = 16.2 + 5 (9.84 Gal) = 65.4 gallons

<u>As designed</u>

120 gpd

Dosing volume as designed is 69.5 gallons (with pump float set at 20" on/ 15"off) Therefore, 120 gallons / 69.5 gallons = 1.7 doses per day

Duration of each dose

69.5 gallons / 30.0 gpm = 2.3 minutes per dose

HEAD PRESSURE CALCULATIONS

Total Head: pump depth - elevation to field ends

4' + 1' == 1.2 x 1.6 (pipe friction) ==

= 5.0 elevation head

= 1.9 friction head

Misc. Head = 5.0'
Head Pressure Setting = 13.9 total head

Head pressure will be set with a two-foot riser pipe attached to the highest trench in the drainfield.

6" turn-ups at 90 degrees will be attached to each end of the lines to aid in the future maintainence of this OSSF.

PUMP TO BE USED

A 1/2 Liberty 280 Series pump will be used for this OSSF.

TANK DATA

A 1250 gal pump tank will be used for this OSSF. A minimum of 120 gallons after the alarm on float will be achieved (1 days full reserve / 208.5 gallons actual @ 13.9 gallons per inch). A check valve and or 1/8" siphon hole will be needed on this design for the supply line exiting the pump tank. Here are the alarm settings:

- Alarm on at 21" above the floor
- Start pump at 20" above the floor
- Stop pump at 15" above the floor

Re: Tank Riser lid requirements per TCEQ effective September 2012

- All septic tanks buried more than 12 inches below ground shall have risers over the port openings.
 The risers shall extend from the tank surface to no more than six inches below the ground. A secondary plug or cap shall be placed below the riser cap to prevent tank entry.
- All other tanks shall have risers over all inlet and outlet ports that extend to or above the ground surface. If these tanks are buried less than 12" deep, risers will still be required with all safety provisions stated, no matter the depth of the buried tank.
- The risers shall have inside diameters which are equal to or larger than the inspection or cleanout: ports.
- All risers must be permanently fastened to the tank lid or cast into the tank. This connection must be watertight.
- Risers must have removable watertight lids and shall be protected against unauthorized or unwanted access. Unauthorized or unwanted access shall be protected via a padlock, screw down lids, or a cover having a minimum weight of 65 pounds set into a recess of the tank lid.

ALARM SYSTEM

An audio/visual high water alarm will be installed on this system at a highly visible location. The pump and the alarm will be wired on separate circuits.

TRENCH SPECIFICATIONS

• Depth: 6" TO 12"

• Width: 3' wide

- Each trench bottom should be level within 1 inch every 25' and within 3" overall.
- Each dosing pipe shall placed on atleast 6" of uniform grade (washed gravel 0.75-2.0 inches).
- The gravel will then be covered with a geotextile fabric.
- The entire field area is to be covered with a minimum of inches of sandy loam.
- The field then must be seeded, hydro-mulched or sodded immediately after installation.
- Fields must be maintained at all times (mowed).

OSSF MAINTENANCE & LIMITATIONS

This OSSF design is intended to meet the minimum state requirements provided by TCEQ's 30 Administrative Code, Chapter 285- On-Site Sewage Facility Regulations. The homeowner should be aware that a septic system of limited capacity, will not tolerate prolonged abuse. The operational requirements listed below should be followed at all times:

Water saving devices shall be utilized throughout the life of this system. Never place a greater wastewater load on your system than prescribed by the rules and regulations as described within this report. (120 gpd)

Garbage disposals should be avoided. The use of garbage disposals could cause complete system failure.

Avoid the use of water softeners with an OSSF. They have been proven to have adverse effects on septic systems. They may also void all equipment warranties.

Do not dispose grease into the OSSF.

Do not dispose of any objects into the system other than toilet paper.

Do not add any treatment items to the system, such as, toilet tank chlorine tablets, yeast, enzymes etc.

Repair all leaky faucets and toilets immediately.

Rainfall runoff and surface water runoff must be diverted from the OSSF by the homeowner.

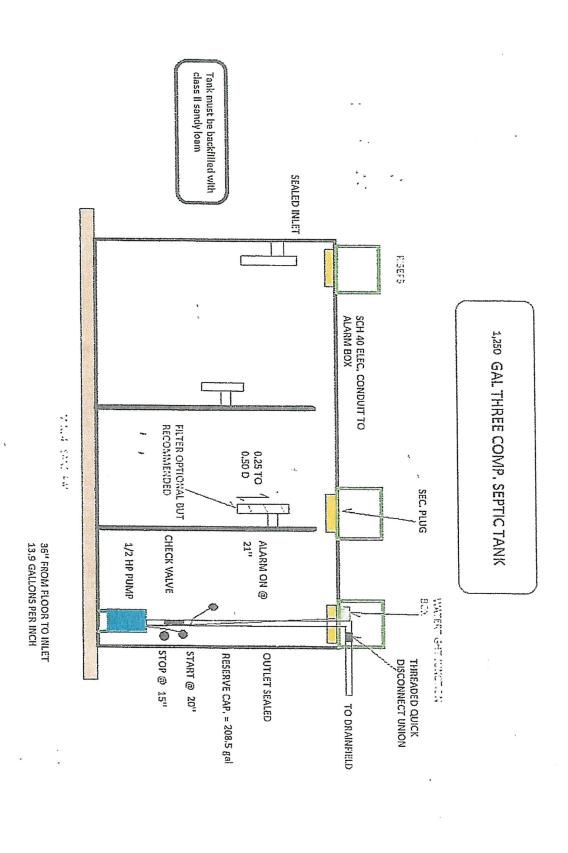
Do not operate heavy machinery over tanks, supply lines, and drainfield.

Maintain vegetation over the drainfield. Keep the vegetation over the drainfield mowed. Perform routine checks on the system to ensure that the pump and alarm are operating.

Have your system evacuated every 1 to 3 years to prevent sludge buildup and to enhance your system's overall performance.

This design is intended for office / warehouse employee use only. Any variation in the designed use of this OSSF shall void all county licensing for this OSSF.

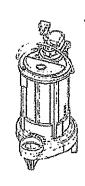
Note: This design does not warranty any portion of this proposed OSSF or its functioning capabilities.

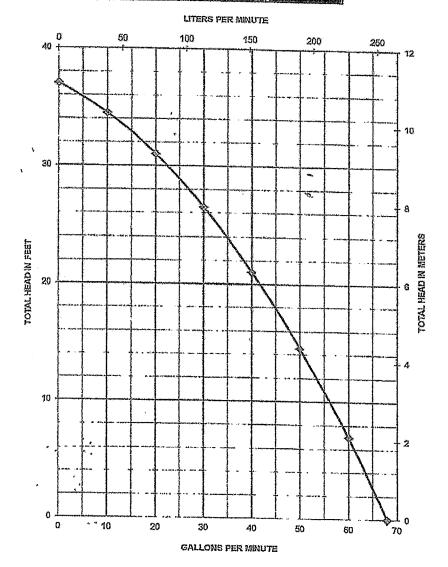


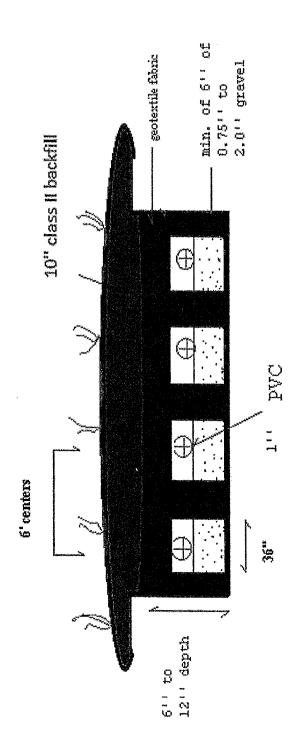


Pump Specifications

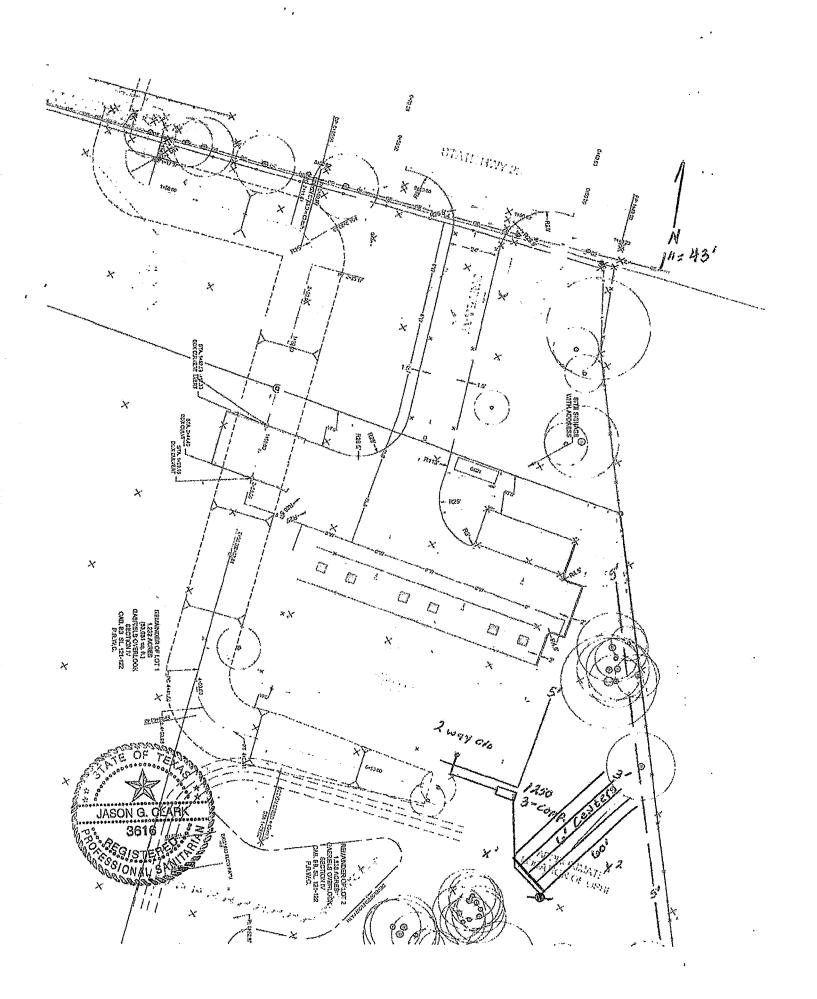
280 Series 1/2 hp Submersible Effluent Pump

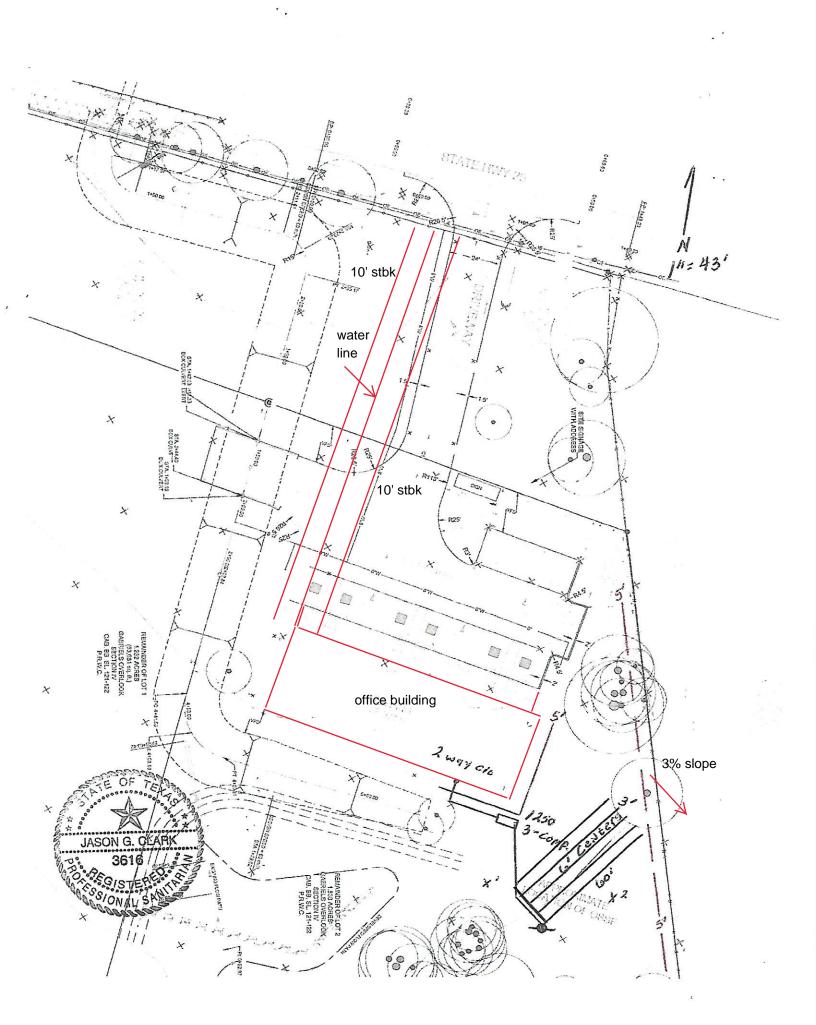






please refer to the design for exact number of trenches





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: <u>James Ingalls</u> , PE			
Date:07/17/2025			
Signature of Customer/Agent:			
James Dyll			
Rí ball			

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.
S	equence 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

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.

receive discharges from disturbed areas of the project: Middle Fork San Gabriel River

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

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

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. $|\checkmark|$ 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. $|\sqrt{\ }|$ 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. $|\sqrt{|}$ 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. $\sqrt{\ }$ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

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

Administrative Information

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

ATTACHMENT "A" Spill Response Actions

Spill Prevention and Control

The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees.

The following steps will help reduce the stormwater impacts of leaks and spills:

Education

- (1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spills must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.
- (2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
- (3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
- (4) Establish a continuing education program to indoctrinate new employees.
- (5) Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

- (1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, and substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
- (2) Store hazardous materials and wastes in covered containers and protect from vandalism.
- (3) Place a stockpile of spill cleanup materials where it will be readily accessible.
- (4) Train employees in spill prevention and cleanup.
- (5) Designate responsible individuals to oversee and enforce control measures.

- (6) Spills should be covered and protected from stormwater runoff during rainfall to the extent that it doesn't compromise clean up activities.
- (7) Do not bury or wash spills with water.
- (8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMP's.
- (9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
- (10) Contain water overflow or minor water spillage, and do not allow it to discharge into drainage facilities or watercourses.
- (11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
- (12) Keep waste storage areas clean, well organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup

- (1) Clean up leaks and spills immediately.
- (2) Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.
- (3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMP's in this section for specific information.

Minor Spills

- (1) Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.
- (2) Use absorbent materials on small spills rather than hosing down or burying the spill.
- (3) Absorbent materials should be promptly removed and disposed of properly.

Water Pollution Abatement Plan Modification

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

Semi-Significant Spills

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

Spills should be cleaned up immediately:

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

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

- (1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
- (2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.
- (3) Notification should first be made by telephone and followed up with a written report.

Water Pollution Abatement Plan Modification

- (4) The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- (5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

More information on spill rules and appropriate responses is available on the TCEQ website at: http://www.tnrcc.state.tx.us/enforcement/emergency response.html

Vehicle and Equipment Maintenance

- (1) If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.
- (2) Regularly inspect onsite vehicles and equipment for leaks and repair immediately
- (3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.
- (4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
- (5) Place drip pans or absorbent materials under paving equipment when not in use.
- (6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
- (7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
- (8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
- (9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Vehicle and Equipment Fueling

- (1) If fueling must occur on site, use designated areas, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.
- (2) Discourage "topping off" of fuel tanks.
- (3) Always use secondary containment, such as a drain pan, when fueling to catch spills/ leaks.

ATTACHMENT "B"

Potential Sources of Contamination

Potential sources of contamination are construction equipment leaks, re-fueling spills, portolets, and the total suspended solids (TSS) due to the construction activities on-site. There are no other anticipated potential sources of contamination.

ATTACHMENT "C"

Sequence of Major Activities

Stages of Construction:

- 1. Installation of temporary BMP's.
- 2. Minor site grading: This includes the removal of organic material and other debris within the proposed parking and building site. Approximate total disturbed area = 1.23 acres
- 3. Grading: Cutting and filling of the proposed site to prepare the site for parking and foundation construction. Approximate total disturbed area = 1.23 acres
- 4. Utility installation: All primary utility mains have already been installed and are available at the site. Sewer, water, gas, and electrical services will be installed at this time.
- 5. Finished grading: Final landscaping, parking and building infrastructure are installed. Approximate total disturbed area = 1.23 acres

ATTACHMENT "D"

Temporary BMP's and Measures

The following sequence will be followed for installing temporary BMP's:

- 1. Silt fence will be constructed on the downgradient side of proposed site.
- 2. A stabilized construction exit will be installed prior to any site work.

A. Silt Fence will be installed on the most downgradient side of the site and will reduce potential pollution from any stormwater that originates onsite or offsite. A stabilized construction exit will be constructed at the entrance of the site; this will reduce the amount of contaminants leaving the site.

- B. Silt fence will be placed on the downgradient side of each proposed improvement to contain pollutants generated from onsite runoff. Disturbed areas will be seeded to replace destroyed vegetation. The existing vegetation located downgradient of each proposed improvement will work in conjunction with the silt fence and stabilized construction entrance to prevent pollution of water originating onsite and/or flowing offsite.
- C. The proposed silt fences, and stabilized construction entrance constructed upgradient of the existing streams will prevent pollutants from entering them, as well as the aquifer. According to the Geologic Assessment, there are no sensitive features with the project boundary.

D. There were no sensitive features identified in the Geologic Assessment.

ATTACHMENT "E"

Request to Temporarily Seal a Feature

There will be no request to temporarily seal a geologic feature.

ATTACHMENT "F"

Structural Practices

Stabilized Construction Entrance/Exit, rock berm, and silt fence will be used to protect disturbed soils and to prevent contamination from leaving the project site.

ATTACHMENT "G"

Drainage Area Map

See Drainage Area Map at the end of this section.

ATTACHMENT "H"

Temporary Sediment Pond Plans and Calculations

There will not be more than 10 acres of disturbed soil in one common drainage area that will occur at one time. Silt fence will be used for small drainage areas. No sediment ponds will be constructed due to the minimal amount of soil disturbance.

ATTACHMENT "I"

Inspection and Maintenance for BMP's

<u>Inspection and Maintenance Plan:</u> The contractor is required to inspect the control and fences at weekly intervals and after any rainfall events to ensure that they are functioning properly. The contractor is required to document any changes on the Site Plan, documentation must include person performing task, task performed, and date. The contractor must also document if proper inspection measures have been taken while making changes. The person(s) responsible for maintenance controls and fences shall immediately make any necessary repairs to damaged areas.

Temporary Construction Entrance/Exit: The entrance should be maintained in a condition, which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way should be removed immediately by contractor. When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-of-way. 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. All sediment should be prevented from entering any storm drain, ditch or water course by using approved methods.

<u>Silt Fence</u>: Remove sediment when buildup reaches 6 inches. Replace any torn fabric or install a second line of fencing parallel to the torn section. Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points. 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 revegetated. The fence itself should be disposed of in an approved landfill.

TCEQ staff will be allowed full access to the property during construction of the project for inspecting controls and fences and to verify that the accepted plan is being utilized in the field. TCEQ staff has the right to speak with the contractor to verify plan changes and modifications.

<u>Documentation</u>: All scheduled inspection and maintenance measures made to the temporary BMPs must be documented clearly on the WPAP Site Plan showing inspection/maintenance measures performed, date, and person responsible for inspection and maintenance. Any changes made to the location or type of controls shown on the accepted plans, due to onsite conditions, shall be documented on the site plan that is part of this Water Pollution Abatement Plan. No other changes shall be made unless approved by TCEQ and the Design Engineer. Documentation shall clearly show changes made, date, person responsible for the change, and the reason for the change.

Temporary Stormwater Section

\sim	•	TC	4 •
Owner ⁵	'C'	Intorm	ı atınıı •
OWILLI			ıauvıı.

Owner: <u>Condor Texas Properties, LLC</u>

Contact: <u>Ryan Connor</u>

Address: <u>6779 W SH 26, Ste. 100</u>

Georgetown, TX 78628

Design Engineer:

Company: <u>INK Civil</u>

Contact: <u>James Ingalls, P.E.</u> Phone: <u>(830) 358-7127</u>

Address: 2021 SH 46W, Ste. 105

New Braunfels, Texas 78132

Person or Firm Responsible for Erosion/Sedimentation Control Maintenance:

Company:		_	
Contact:		_	
Phone:			
Address:		_	
		_	
Signature of	Responsible Party:		

This portion of the form shall be filled out and signed by the responsible party prior to construction.

ATTACHMENT "J"

Schedule of Interim and Permanent Soil Stabilization Practices

Areas which are disturbed by construction staging and storage areas will be hydro mulched with the appropriate seed mixture. Areas between the edge of pavement and property line will also by hydro mulched. There will be no fill slopes exceeding a 3:1 slope, and all fill slopes will be hydro mulched. Installation and acceptable mixtures of hydro mulch are as follows:

Materials:

<u>Hydraulic Mulches:</u> Wood fiber mulch can be applied alone or as a component of hydraulic matrices. Wood fiber applied alone is typically applied at the rate of 2,000 to 4,000 lb/acre. Wood fiber mulch is manufactured from wood or wood waste from lumber mills or from urban sources.

<u>Hydraulic Matrices</u>: Hydraulic matrices include a mixture of wood fiber and acrylic polymer or other tackifier as binder. Apply as a liquid slurry using a hydraulic application machine (i.e., hydro seeder) at the following minimum rates, or as specified by the manufacturer to achieve complete coverage of the target area: 2,000 to 4,000 lb/acre wood fiber mulch, and 5 to 10% (by weight) of tackifier (acrylic copolymer, guar, psyllium, etc.)

Bonded Fiber Matrix: Bonded fiber matrix (BFM) is a hydraulically applied system of fibers and adhesives that upon drying forms an erosion resistant blanket that promotes vegetation, and prevents soil erosion. BFMs are typically applied at rates from 3,000 lb/acre to 4,000 lb/acre based on the manufacturer's recommendation. A biodegradable BFM is composed of materials that are 100% biodegradable. The binder in the BFM should also be biodegradable and should not dissolve or disperse upon re-wetting. Typically, biodegradable BFMs should not be applied immediately before, during or immediately after rainfall if the soil is saturated. Depending on the product, BFMs typically require 12 to 24 hours to dry and become effective.

Seed Mixtures:

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

<u>Fertilizer:</u> Fertilizer should be applied at the rate of 40 pounds of nitrogen and 40 pounds of phosphorus per acre, which is equivalent to about 1.0 pounds of nitrogen and phosphorus per 1000 square feet.

Installation:

- (1) Prior to application, roughen embankment and fill areas by rolling with a crimping or punching type roller or by track walking. Track walking shall only be used where other methods are impractical.
- (2) To be effective, hydraulic matrices require 24 hours to dry before rainfall occurs.
- (3) Avoid mulch over spray onto roads, sidewalks, drainage channels, existing vegetation, etc.

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: <u>James</u> Ingalls, P	E
Date: 4/16/2025	
Signature of Customer/Agent	
James my Cl	
→ Park	

Permanent Best Management Practices (BMPs)

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

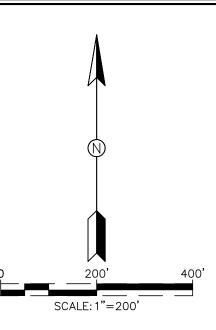
1.	✓ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
	□ N/A
2.	These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental 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.

	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
c	business sites. Attachment B - BMPs for Upgradient Stormwater.
O.	IV FALIACIONENT D - DIVIPS TOT UDYTAUTENT SCOTTIWATET.

	A description of the BMPs and measures that will surface water, groundwater, or stormwater that and flows across the site is attached.	originates upgradient from the site
	 No surface water, groundwater or stormwater or and flows across the site, and an explanation is a very permanent BMPs or measures are not required to water, groundwater, or stormwater that originate 	ttached. o prevent pollution of surface
	flows across the site, and an explanation is attach	
7.	✓ Attachment C - BMPs for On-site Stormwater.	
	A description of the BMPs and measures that will surface water or groundwater that originates on-pollution caused by contaminated stormwater ru Permanent BMPs or measures are not required to or groundwater that originates on-site or flows o caused by contaminated stormwater runoff, and	site or flows off the site, including noff from the site is attached. o prevent pollution of surface water ff the site, including pollution
8.	Attachment D - BMPs for Surface Streams. A descript that prevent pollutants from entering surface stream is attached. Each feature identified in the Geologic A addressed.	ns, sensitive features, or the aquifer
	✓ N/A	
9.	The applicant understands that to the extent practice maintain flow to naturally occurring sensitive feature assessment, executive director review, or during exceptions.	es identified in either the geologic
	The permanent sealing of or diversion of flow fro feature that accepts recharge to the Edwards Aquabatement measure has not been proposed.	
	Attachment E - Request to Seal Features. A request sensitive feature, that includes, for each feature, reasonable and practicable alternative exists, is a	a justification as to why no
10.	Attachment F - Construction Plans. All construction the proposed permanent BMP(s) and measures have direct supervision of a Texas Licensed Professional Endated. The plans are attached and, if applicable includes	been prepared by or under the ngineer, and are signed, sealed, and
	 ✓ Design calculations (TSS removal calculations) ✓ TCEQ construction notes All geologic features 	
	✓ All proposed structural BMP(s) plans and specification N/A	ations

11. Attachment G - Inspection, Maintenance, Repair and Retrofit Plan. A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs an measures is attached. The plan includes all of the following:
✓ Prepared and certified by the engineer designing the permanent BMPs and measures
✓ Signed by the owner or responsible party✓ Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
✓ A discussion of record keeping procedures
□ N/A
12. Attachment H - Pilot-Scale Field Testing Plan. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
✓ N/A
13. Attachment I -Measures for Minimizing Surface Stream Contamination. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that results in water quality degradation.
□ N/A
Responsibility for Maintenance of Permanent BMP(s)
Responsibility for maintenance of best management practices and measures after construction is complete.
14. The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing o ownership is transferred.
□ N/A
15. 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



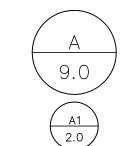


LEGEND

TIME OF CONCENTRATION

SOO EXISTING CONTOURS

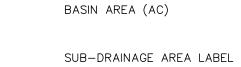
PROPOSED CONTOURS



DRAINAGE BASIN LABEL

FLOW ARROWS

LIMITS OF DRAINAGE AREA



SUB-DRAINAGE AREA (AC)

ANALYSIS POINT LABEL



INLET LABEL



CONDOR TEXAS PROPERTIES

6779 W SH 29 #100 GEORGETOWN, TX 78628

GO PICKLEBALL

6827 W SH 29 GEORGETOWN, TX , 78628

DRAINAGE AREA MAP ONSITE

HEET

11.3 of 17

DATE ISSUES AND REVISIONS

$\overline{}$	



2021 W SH46, STE 105
NEW BRAUNFELS, TX. 78132
PH: 830-358-7127 ink-civil.com
TBPE FIRM F-13351

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ATTACHMENT "A"

20% or Less Impervious Cover Waiver

20% Impervious Cover Waiver does not apply.

ATTACHMENT "B"

BMP's for Upgradient Stormwater

The site receives approximately 53.79-acres of upgradient stormwater runoff. The offsite runoff will be intercepted by two earthen channels adjacent to the building and routed around the development. This offsite runoff, the site, and an additional 18.52-acres of upgradient stormwater flows to an existing culvert at TX-29 and continues to the Middle Fork San Gabrial River.

ATTACHMENT "C"

BMP's for On-Site Stormwater

Approximately 0.67 acres of the site sheet flows to the northern edge of the proposed pavement. Sawcut curb is proposed to allow runoff into the batch detention basin. The remainder of the impervious cover proposed will be treated via engineered vegetative filter strips along the sides of the proposed building and proposed parking lot at the back of the existing building. A treatment area map has been attached to schematically demonstrate the mitigation of on-site stormwater. There is an existing partial sedimentation basin on Lot 1 of Gabriel's Overlook Section IV that has been designed to treat the existing impervious cover for the Condor Office Park, permitted under a separate WPAP. The WPAP for Condor Office Park (RN110856671) is currently approved and recorded with Williamson County in November 2019.

ATTACHMENT "D"

BMP's for Surface Streams

No surface stream or sensitive features are identified in close proximity to the site.

ATTACHMENT "E"

Request to Seal Feature

N/A

ATTACHMENT "F"

Construction Plans

Please see Construction Plans at the end of this section.

TSS Removal Calculations 04-20-2009

Project Name: GO Pickleball Date Prepared: 7/17/2025

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

Characters shown in red are data entry fields.

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

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_{M} = 27.2(A_{N} \times P)$

where:

 $L_{\text{M TOTAL PROJECT}} = \text{Required TSS removal resulting from the proposed development} = 80\% \text{ of increased load}$

 A_N = Net increase in impervious area for the project

P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan * =	1.23	acres
Predevelopment impervious area within the limits of the plan* =	0.16	acres
Total post-development impervious area within the limits of the plan =	0.79	acres
Total post-development impervious cover fraction * =	0.64	
P =	32	inches

L_{M TOTAL PROJECT} = 548 lbs.

Number of drainage basins / outfalls areas leaving the plan area =



2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. =

Total drainage basin/outfall area=
Predevelopment impervious area within drainage basin/outfall area=
Post-development impervious area within drainage basin/outfall area=
Post-development impervious fraction within drainage basin/outfall area=

L_{M THIS BASIN} = 0.40 acres
0.16 acres
0.38 acres
L_{M THIS BASIN} = 191 lbs.

3. Indicate the proposed BMP Code for this basin.

where:

Proposed BMP = BATCH DETENTION
Removal efficiency = 91 percen

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

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A₁ 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

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

Desired $L_{M THIS BASIN} =$ 360 lbs.

F = 0.94

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.

Calculations from RG-348

Pages 3-34 to 3-36

Rainfall Depth = 2.40 inches

^{*} The values entered in these fields should be for the total project area.

Post Development Runoff Coefficient = 0.78

On-site Water Quality Volume = 2703 cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = 0.00 acres Off-site Impervious cover draining to BMP = 0.00 acres

Impervious fraction of off-site area = 0 Off-site Runoff Coefficient = 0.00

Off-site Water Quality Volume = cubic feet 0

> Storage for Sediment = 541

Total Capture Volume (required water quality volume(s) x 1.20) = 3243 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP. The values for BMP Types not selected in cell C45 will show NA.

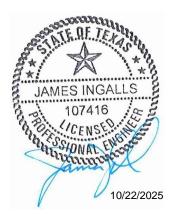
16. Vegetated Filter Strips

Designed as Required in RG-348

Pages 3-55 to 3-57

There are no calculations required for determining the load or size of vegetative filter strips. The 80% removal is provided when the contributing drainage area does not exceed 72 feet (direction of flow) and the sheet flow leaving the impervious cover is directed across 15 feet of engineered filter strips with maximum slope of 20% or across 50 feet of natural vegetation with a maximum slope of 10%. There can be a break in grade as long as no slope exceeds 20%.

If vegetative filter strips are proposed for an interim permanent BMP, they may be sized as described on Page 3-56 of RG-348.



TSS Removal Calculations 04-20-2009

Project Name: GO Pickleball
Date Prepared: 7/17/2025

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.

Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.

Characters shown in red are data entry fields.

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

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

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

where:

 $L_{\text{M TOTAL PROJECT}} = \text{Required TSS removal resulting from the proposed development} = 80\% \text{ of increased load}$

 A_N = Net increase in impervious area for the project

P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan * =	1.23	acres
Predevelopment impervious area within the limits of the plan* =	0.16	acres
Total post-development impervious area within the limits of the plan =	0.79	acres
Total post-development impervious cover fraction * =	0.64	
P =	32	inches

L_{M TOTAL PROJECT} = 548 lbs.

Number of drainage basins / outfalls areas leaving the plan area =



2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage	Basin/Outfall	Area No.	= 2
----------	---------------	----------	-----

Total drainage basin/outfall area= Predevelopment impervious area within drainage basin/outfall areæ- Post-development impervious area within drainage basin/outfall areæ- Post-development impervious fregien within drainage basin/outfall areæ- Post-development impervious fregien within drainage basin/outfall areæ-	0.20 0.00 0.20	acres acres acres
Post-development impervious fraction within drainage basin/outfall area=	1.00	
L _{M THIS BASIN} =	174	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **VEGETATIVE FILTER STRIP**Removal efficiency = **85** percent

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

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A₁ x 34.6 + A_P x 0.54)

A_C = Total On-Site drainage area in the BMP catchment area

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

 A_P = Pervious area remaining in the BMP catchment area

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

 $A_C = 0.20$ acres $A_I = 0.20$ acres $A_P = 0.00$ acres $A_P = 0.00$

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

Desired L_{M THIS BASIN} = 188 lbs.

F = 1.00

16. Vegetated Filter Strips

where:

Designed as Required in RG-348

Pages 3-55 to 3-57

^{*} The values entered in these fields should be for the total project area.

If vegetative filter strips are proposed for an interim permanent BMP, they may be sized as described on Page 3-56 of RG-348.



Attachment "G"

Maintenance Plan for Batch Detention Basin

BMP Location: The batch detention basin will be located inside the footprint of the detention pond along the southern property line.

Owner:

Condor Texas Properties, LLC

P.O. Box 1083

Cedar Park, TX 78630

Contact:

Email: Ryan @ Condor TXP. com

The batch detention basin maintenance and monitoring procedures will be implemented to ensure that the proposed BMP functions as designed.

Signature

Condor Texas Properties, LLC

I have reviewed the attached maintenance and monitoring procedures and to the best of my knowledge certify that, if they are followed as outlined, the BMP will function as designed.

J

ATTACHMENT "H"

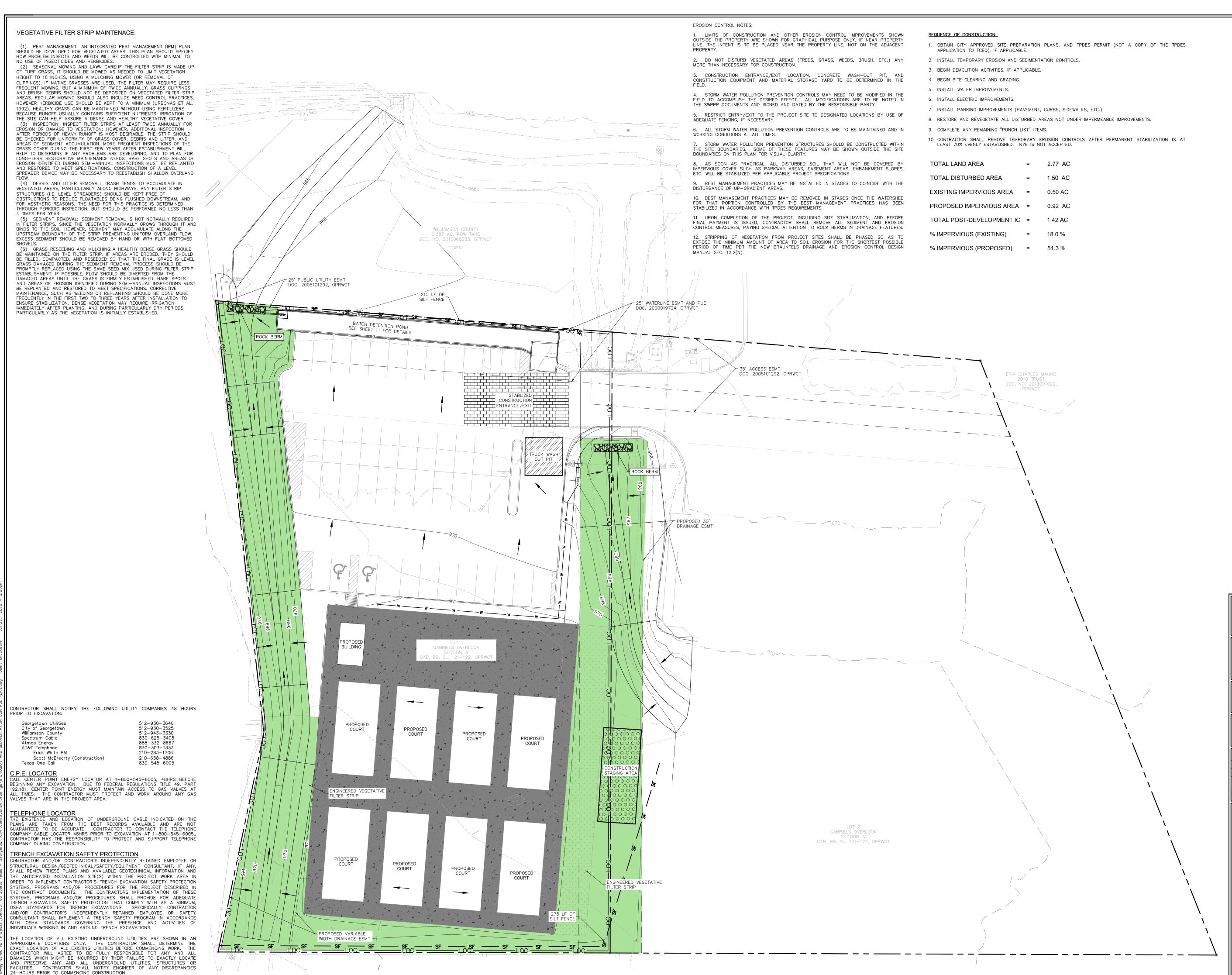
Pilot-Scale Field Testing Plan

N/A

ATTACHMENT "I"

Measures for Minimizing Surface Stream Contamination

All surface streams will be protected from erosion by not allowing runoff to exceed existing velocities. All stormwater runoff will continue to flow using the natural flow patterns that existed prior to the development.



0 20' 40'
SCALE: 1"=20'

LEGEND

SILT FENCE

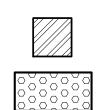
LIMITS OF CONSTRUCTION

EXISTING CONTOURS

PROPOSED CONTOURS

FLOW ARROWS

STABLIZED CONSTRUCTION
ENTRANCE/EXIT (FIELD LOCATE)



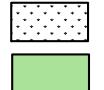
TRUCK WASH OUT PIT (FIELD LOCATE)

CONSTRUCTION STAGING AREA



ROCK BERM

(FIELD LOCATE)



FILTER STRIP

ENGINEERED VEGETATED

AREA TO BE RE-VEGETATED (HYDRAULIC MULCH)

SOIL STABILIZATION NOTE

PER TPDES REQUIREMENTS, DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITIES HAVE CEASED (TEMPORARILY OR PERMANENTLY) SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITY RESUMES WITHIN 21 DAYS. SEEDING DOES NOT CONSTITUTE AS STABILIZATION.



CONDOR TEXAS PROPERTIES

6779 W SH 29 #100 GEORGETOWN, TX 78628

GO PICKLEBALL

6827 W SH 29 GEORGETOWN, TX , 78628

EROSION AND SEDIMENTATION CONTROL PLAN

SHEET

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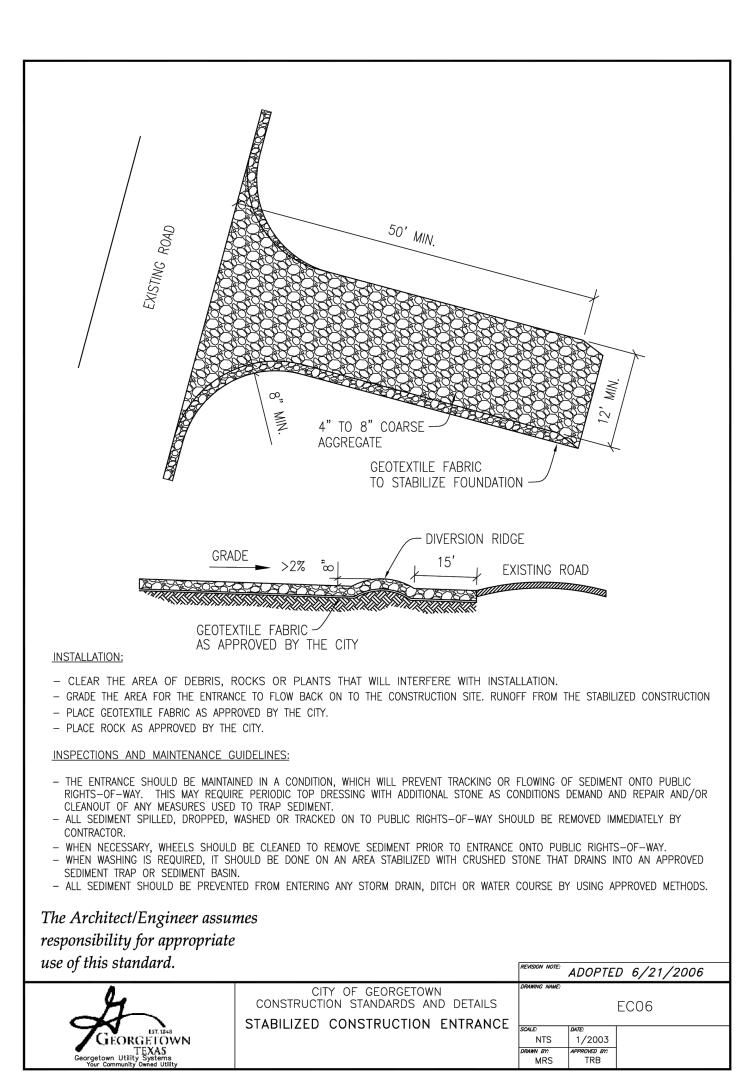
NO DATE ISSUES AND REVISIONS

OF



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GUIDELINES FOR DESIGN AND INSTALLATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROLS

TYPE OF STRUCTURE	REACH LENGTH	MAXIMUM DRAINAGE AREA	SLOPE
SILT FENCE	N/A	2 ACRES	0 - 10%
	200 FEET	2 ACRES	10 - 20%
	100 FEET	1 ACRE	20 - 30%
	50 FEET	1/2 ACRE	> 30%
TRIANGLE FILTER DIKE	100 FEET	1/2 ACRE	< 30% SLOPE
	50 FEET	1/4 ACRE	> 30% SLOPE
ROCK BERM *, **	500 FEET	< 5 ACRES	0 - 10%

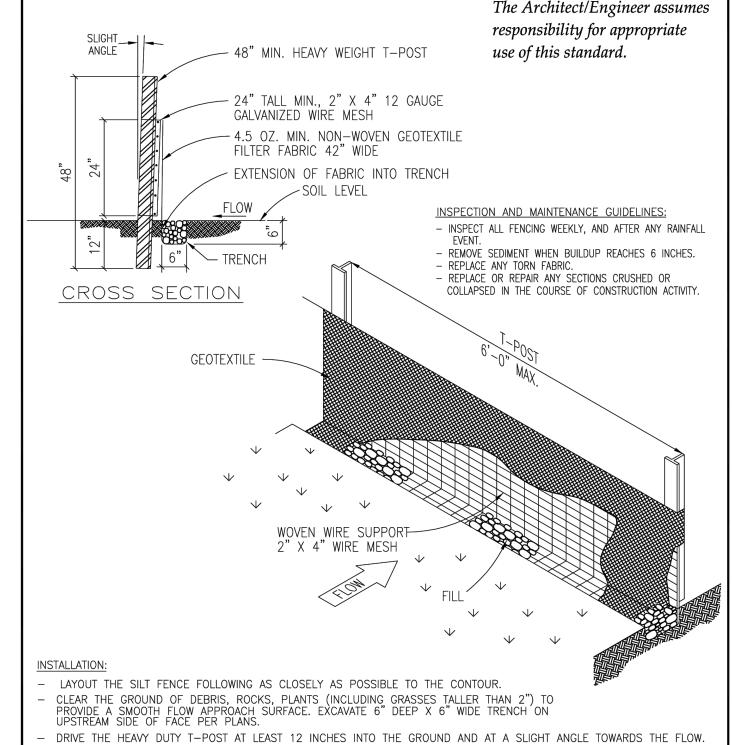
* FOR ROCK BERM DESIGN WHERE PARAMETERS ARE OTHER THAN STATED, DRAINAGE AREA CALCULATIONS AND ROCK BERM DESIGN MUST BE SUBMITTED FOR REVIEW. ** HIGH SERVICE ROCK BERMS MAY BE REQUIRED IN AREAS OF ENVIRONMENTAL SIGNIFICANCE AS DETERMINED BY THE CITY OF GEORGETOWN.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

REVISION NOTE: ADOPTED 6/21/2006



CONSTRUCTION STANDARDS AND DETAILS TEMPORARY EROSION AND SEDIMENTATION CONTROL GUIDELINES NTS 1/2003



ATTACH THE 2" X 4" 12 GAUGE WELDED WIRE MESH TO THE T-POST WITH 11 1/2 GAUGE GALVANIZED T-POST CLIPS. THE TOP OF THE WIRE TO BE 24" ABOVE GROUND LEVEL. THE WELDED WIRE MESH TO BE OVERLAPPED 6" AND TIED AT LEAST 6 TIMES WITH HOG RINGS. THE SILT FENCE TO BE INSTALLED WITH A SKIRT A MINIMUM OF 6" WIDE PLACED ON THE UPHILL SIDE OF THE FENCE NSIDE EXCAVATED TRENCH. THE FABRIC TO OVERLAP THE TOP OF THE WIRE BY

ANCHOR THE SILT FENCE BY BACKFILLING WITH EXCAVATED DIRT AND ROCKS (NOT LARGER THAN 2"). GEOTEXTILE SPLICES SHOULD BE A MINIMUM OF 18" WIDE ATTACHED IN AT LEAST 6 PLACES. SPLICES IN CONCENTRATED FLOW AREAS WILL NOT BE ACCEPTED. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM

		REVISION NOTE:	ADOPTE	0 6/21/2006
£	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS SILT FENCE DETAIL	DRAWING NAME:		EC02
EST. 1848	SILI TENOL DETAIL	SCALE:	DATE:	
GEORGETOWN		NTS	1/2003	
TEXAS Georgetown Utility Systems		DRAWN BY:	APPROVED BY:	

NOTE: THIS SECTION IS INTENDED TO ASSIST THOSE PERSONS PREPARING WATER POLLUTION ABATEMENT PLANS (WPAP) OR STORM WATER POLLUTION PREVENTION PLANS (SW3P) THAT COMPLY WITH FEDERAL, STATE AND/OR LOCAL STORM

1. THE CONTRACTOR TO INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING, OR EXCAVATION). CONTRACTOR TO REMOVE EROSION/SEDIMENTATION CONTROLS AT THE COMPLETION OF PROJECT AND GRASS RESTORATION.

2. ALL PROJECTS WITHIN THE RECHARGE ZONE OF THE EDWARD'S AQUIFER SHALL SUBMIT A BEST MANAGEMENT PRACTICES AND WATER POLLUTION AND ABATEMENT PLAN TO THE TNRCC FOR APPROVAL PRIOR TO ANY CONSTRUCTION. 3. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS TO BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN AND WATER POLLUTION ABATEMENT PLAN. DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED TO AND APPROVED BY THE OWNER'S REPRESENTATIVE.

4. ALL PLANTING SHALL BE DONE BETWEEN MAY 1 AND SEPTEMBER 15 EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING.
IF PLANTING IS AUTHORIZED TO BE DONE OUTSIDE THE DATES SPECIFIED, THE SEED SHALL BE PLANTED WITH THE ADDITION
OF WINTER FESCUE (KENTUCKY 31) AT A RATE OF 1001b/ACRE. GRASS SHALL BE COMMON BERMUDA GRASS, HULLED, MINIMUM 82% PURE LIVE SEED. ÁLL GRASS SEED SHALL BE FREE FROM NOXIOUS WEED, GRADE "A" RECENT CROP RECLEANED AND TREATED WITH APPROPRIATE FUNGICIDE AT TIME OF MIXING. SEED SHALL BE FURNISHED IN SEALED, STANDARD CONTAINERS WITH DEALER'S GUARANTEED ANALYSIS.

5. ALL DISTURBED AREAS TO BE RESTORED AS NOTED IN THE WATER POLLUTION ABATEMENT PLAN. 6. THE PLANTED AREA TO BE IRRIGATED OR SPRINKLED IN A MANNER THAT WILL NOT ERODE THE TOPSOIL, BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF FOUR (4) INCHES. THE IRRIGATION TO OCCUR AT 10-DAY INTERVALS DURING THE FIRST TWO MONTHS TO INSURE GERMINATION AND ESTABLISHMENT OF THE GRASS . RAINFALL OCCURRENCES OF 1/2 INCH OR GREATER TO POSTPONE THE WATERING SCHEDULE ONE WEEK. 7. RESTORATION TO BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 95% COVERAGE,

PROVIDED NO BARE SPOTS LARGER THAN 25 SQUARE FEET EXIST. 8. A MINIMUM OF FOUR (4) INCHES OF TOPSOIL TO BE PLACED IN ALL AREAS DISTURBED BY CONSTRUCTION. 9. THE CONTRACTOR TO HYDROMULCH OR SOD (AS SHOWN ON PLANS) ALL EXPOSED CUTS AND FILLS UPON COMPLETION

OF CONSTRUCTION. 10. EROSION AND SEDIMENTATION CONTROLS TO BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN

SOIL BUILDUP WITHIN TREE DRIPLINE. 11. TO AVOID SOIL COMPACTION, CONTRACTOR SHALL NOT ALLOW VEHICULAR TRAFFIC, PARKING, OR STORAGE OF

EQUIPMENT OR MATERIALS IN THE TREE DRIPLINE AREAS.

12. WHERE A FENCE IS CLOSER THAN FOUR (4) FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF EIGHT (8) FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE FENCING. 13. TREES TO BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.

14. ANY ROOT EXPOSED BY CONSTRUCTION ACTIVITY TO BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOPSOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN TWO DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS

15. CONTRACTOR TO PRUNE VEGETATION TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND EQUIPMENT BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.). ALL FINISHED PRUNING TO BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE "NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES"). 16. THE CONTRACTOR IS TO INSPECT THE CONTROLS AT WEEKLY INTERVALS AND AFTER EVERY RAINFALL EXCEEDING 1/4

INCH TO VERIFY THAT THEY HAVE NOT BEEN SIGNIFICANTLY DISTURBED. ANY ACCUMULATED SEDIMENT AFTER A

SIGNIFICANT RAINFALL TO BE REMOVED AND PLACED IN THE OWNER DESIGNATED SPOIL DISPOSAL SITE. THE CONTRACTOR TO CONDUCT PERIODIC INSPECTIONS OF ALL EROSION/SEDIMENTATION CONTROLS AND TO MAKE ANY REPAIRS OR MODIFICATIONS NECESSARY TO ASSURE CONTINUED EFFECTIVE OPERATION OF EACH DEVICE. 17. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH

SITE DEVELOPMENT IMMEDIATELY ADJACENT TO A PROTECTED TREE, ERECT THE FENCE APPROXIMATELY TWO TO FOUR FEET (2'-4') BEHIND THE AREA IN QUESTION.

18. NO ABOVE AND/OR BELOW GROUND TEMPORARY FUEL STORAGE FACILITIES TO BE STORED ON THE PROJECT SITE. 19. IF EROSION AND SEDIMENTATION CONTROL SYSTEMS ARE EXISTING FROM PRIOR CONTRACTS, OWNER'S REPRESENTATIVE AND THE CONTRACTOR TO EXAMINE THE EXISTING EROSION AND SEDIMENTATION CONTROL SYSTEMS FOR DAMAGE PRIOR TO CONSTRUCTION. ANY DAMAGE TO PREEXISTING EROSION AND SEDIMENTATION CONTROLS NOTED

TO BE REPAIRED AT OWNERS EXPENSE 20. INTENTIONAL RELEASE OF VEHICLE OR EQUIPMENT FLUIDS ONTO THE GROUND IS NOT ALLOWED. CONTAMINATED SOIL RESULTING FROM ACCIDENTAL SPILL TO BE REMOVED AND DISPOSED OF PROPERLY.

> The Architect/Engineer assumes responsibility for appropriate use of this standard.

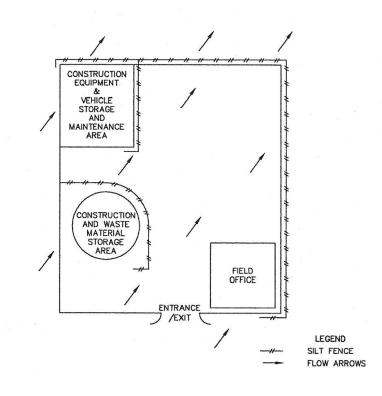
REVISION NOTE: ADOPTED 6/21/2006



CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS EROSION AND SEDIMENTATION AND TREE PROTECTION NOTES

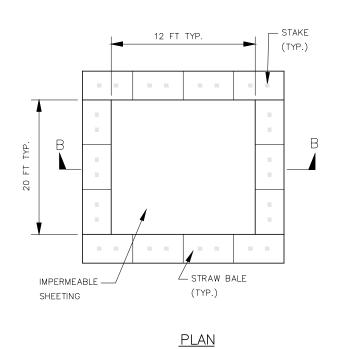
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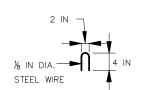
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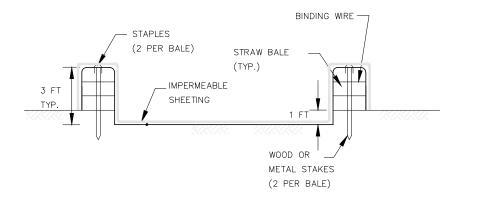
TYPICAL CONSTRUCTION STAGING AREA

TYPICAL CONCRETE TRUCK WASHOUT PIT





STAPLE DETAIL



HYDRAULIC MULCH

MATERIALS:

HYDRAULIC MULCHES: WOOD FIBER MULCH CAN BE APPLIED ALONE OR AS A COMPONENT OF HYDRAULIC MATRICES. WOOD FIBER APPLIED ALONE IS TYPICALLY APPLIED AT THE RATE OF 2,000 TO 4,000 LB/ACRE. WOOD FIBER MULCH IS MANUFACTURED FROM WOOD OR WOOD WASTE FROM LUMBER MILLS OR FROM URBAN SOURCES.

SECTION B-B

HYDRAULIC MATRICES: HYDRAULIC MATRICES INCLUDE A MIXTURE OF WOOD FIBER AND ACRYLIC POLYMER OR OTHER TACKIFIER AS BINDER. APPLY AS A LIQUID SLURRY USING A HYDRAULIC APPLICATION MACHINE (I.E., HYDRO SEEDER) AT THE FOLLOWING MINIMUM RATES, OR AS SPECIFIED BY THE MANUFACTURER TO ACHIEVE COMPLETE COVERAGE OF THE TARGET AREA: 2,000 TO 4,000 LB/ACRE WOOD FIBER MULCH, AND 5 TO 10% (BY WEIGHT) OF TACKIFIER (ACRYLIC COPOLYMER, GUAR, PSYLLIUM, ETC.)

BONDED FIBER MATRIX: BONDED FIBER MATRIX (BFM) IS A HYDRAULICALLY APPLIED SYSTEM OF FIBERS AND ADHESIVES THAT UPON DRYING FORMS AN EROSION RESISTANT BLANKET THAT PROMOTES VEGETATION, AND PREVENTS SOIL EROSION. BFMS ARE TYPICALLY APPLIED AT RATES FROM 3,000 LB/ACRE TO 4,000 LB/ACRE BASED ON THE MANUFACTURER'S RECOMMENDATION. A BIODEGRADABLE BFM IS COMPOSED OF MATERIALS THAT ARE 100% BIODEGRADABLE. THE BINDER IN THE BFM SHOULD ALSO BE BIODEGRADABLE AND SHOULD NOT DISSOLVE OR DISPERSE UPON RE—WETTING. TYPICALLY, BIODEGRADABLE BFMS SHOULD NOT BE APPLIED IMMEDIATELY BEFORE, DURING OR IMMEDIATELY AFTER RAINFALL IF THE SOIL IS SATURATED. DEPENDING ON THE PRODUCT, BFMS TYPICALLY REQUIRE 12 TO 24 HOURS TO DRY AND BECOME EFFECTIVE.

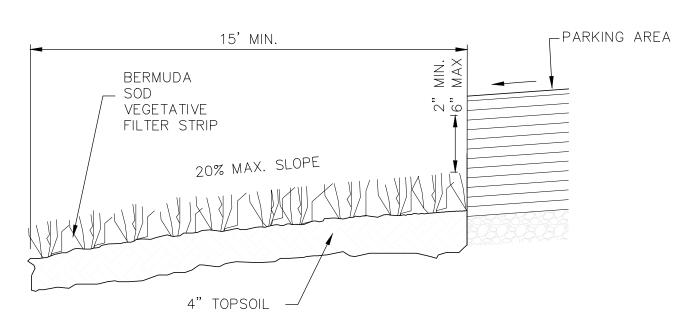
1. PRIOR TO APPLICATION, ROUGHEN EMBANKMENT AND FILL AREAS BY ROLLING WITH A CRIMPING OR PUNCHING TYPE ROLLER OR BY TRACK WALKING. TRACK WALKING SHALL ONLY BE USED WHERE OTHER METHODS ARE IMPRACTICAL.

TO BE EFFECTIVE, HYDRAULIC MATRICES REQUIRE 24 HOURS TO DRY BEFORE RAINFALL 3. AVOID MULCH OVER SPRAY ONTO ROADS, SIDEWALKS, DRAINAGE CHANNELS, EXISTING VEGETATION. ETC. 4. 4" OF TOP SOIL SHALL BE PLACED.

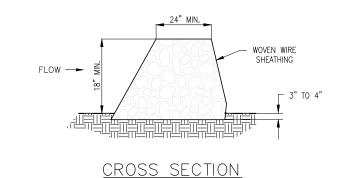
INSPECTION AND MAINTENANCE GUIDELINES:

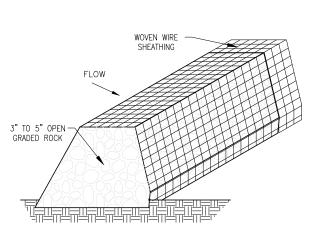
1. MULCHED AREAS SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAIN EVENT TO LOCATE AND REPAIR ANY DAMAGE. 2. AREAS DAMAGED BY STORMS OR NORMAL CONSTRUCTION ACTIVITIES SHOULD BE

REGRADED AND HYDRAULIC MULCH REAPPLIED AS SOON AS PRACTICAL.



SECTION A-A **VEGETATIVE FILTER STRIP**





ISOMETRIC PLAN VIEW

ROCK BERM

1. THE BERM STRUCTURE SHOULD BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM OPENING OF 11 INCH AND A MINIMUM WIRE DIAMETER OF 20 GAUGE GALVANIZED AND SHOULD BE SECURED WITH SHOAT RINGS. 2. CLEAN, OPEN GRADED 3 - 5 INCH DIAMETER ROCK SHOULD BE USED, EXCEPT IN AREAS WHERE HIGH VELOCITIES OR LARGE VOLUMES OF FLOW ARE EXPECTED, WHERE 5 - 8 INCH DIAMETERS ROCKS MAY BE USED.

INSTALLATION: 1. LAY OUT THE WOVEN WIRE SHEATHING PERPENDICULAR TO THE FLOW LINE. THE SHEATHING SHOULD BE 20 GAUGE WOVEN WIRE MESH WITH 1 INCH OPENINGS 2. BERM SHOULD HAVE A TOP WIDTH OF 2 FEET WITH SIDE SLOPES BEING 2:1 (H:V) OR 3. PLACE THE ROCK ALONG THE SHEATHING AS SHOWN IN THE DIAGRAM, TO A HEIGHT OF NOT LESS THAN 18 INCHES. 4. WRAP THE WIRE SHEATHING AROUND THE ROCK AND SECURE WITH TIE WIRE SO THAT THE ENDS OF THE SHEATHING OVERLAPS AT LEAST 2 INCHES, AND THE BERM RETAINS ITS SHAPE WHEN WALKED UPON

5. BERM SHOULD BE BUILT ALONG THE CONTOUR AT ZERO PERCENT GRADE OR AS NEAR

6. THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.

INSPECTION AND MAINTENANCE GUIDELINES:

1. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHOULD BE MADE PROMPTLY AS NEEDED BY CONTRACTOR. 2. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6" AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED MANNER THAT WILL NOT CAUSE ANY ADDITIONAL SILTATION.

3. REPAIR ANY LOOSE WIRE SHEATHING. 1. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION.
1. THE BERM SHOULD BE REPLACED WHEN STRUCTURE CEASES TO FUNCTION AS

INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION 6. THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.



CONDOR TEXAS PROPERTIES

6779 W SH 29 #100 GEORGETOWN, TX 78628

GO PICKLEBALL 6827 W SH 29 GEORGETOWN, TX, 78628

EROSION CONTROL DETAILS

SHEET

ISSUES AND REVISIONS

OF



2021 W SH46. STE 105 NEW BRAUNFELS, TX. 78132 PH: 830-358-7127 ink-civil.com TBPE FIRM F-13351

DETENTION POND NOTES

EARTHFILL

THE WORK CONSISTS OF THE CONSTRUCTION OF EARTH EMBANKMENTS, OTHER EARTHFILLS, AND EARTH BACKFILLS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS. EARTHFILL IS COMPOSED OF NATURAL EARTH MATERIALS THAT CAN BE PLACED AND COMPACTED BY CONSTRUCTION EQUIPMENT OPERATED IN A CONVENTIONAL MANNER.

EARTH BACKFILL IS COMPOSED OF NATURAL EARTH MATERIAL PLACED AND COMPACTED IN CONFINED SPACES OR ADJACENT TO STRUCTURES (INCLUDING PIPES) POWER TAMPERS OR VIBRATING PLATES, BY HAND TAMPING, MANUALLY DIRECTED OR THEIR EQUIVALENT.

FILL MATERIALS SHALL CONTAIN NO FROZEN SOIL, SOD, BRUSH, ROOTS, OR OTHER PERISHABLE MATERIAL. UNLESS OTHERWISE NOTED ON THE PLANS, ROCK PARTICLES LARGER THAN 6" SHALL BE REMOVED PRIOR TO COMPACTION OF THE FILL. THE TYPES OF MATERIAL USED IN THE VARIOUS FILLS SHALL BE AS LISTED AND DESCRIBED IN THE SPECIFICATIONS AND DRAWINGS.

FOUNDATION PREPARATION FOUNDATIONS FOR EARTHFILL SHALL BE STRIPPED TO REMOVE VEGETATION AND OTHER UNSUITABLE MATERIAL OR SHALL BE EXCAVATED AS SPECIFIED

EXCEPT AS OTHERWISE SPECIFIED, EARTH FOUNDATION SURFACES SHALL BE GRADED TO REMOVE SURFACE IRREGULARITIES AND SHALL BE SCARIFIED PARALLEL TO THE AXIS OF THE FILL OR OTHERWISE ACCEPTABLY SCORED AND LOOSENED TO A MINIMUM DEPTH OF 2 INCHES. THE MOISTURE CONTENT OF THE LOOSENED MATERIAL SHALL BE CONTROLLED AS SPECIFIED FOR THE EARTHFILL, AND THE SURFACE MATERIAL OF THE FOUNDATION SHALL BE COMPACTED AND BONDED WITH THE FIRST LAYER OF EARTHFILL AS SPECIFIED OR SUBSEQUENT LAYERS OF EARTHFILL.

EARTH ABUTMENT SURFACES SHALL BE FREE OF LOOSE, UNCOMPACTED EARTH IN EXCESS OF 2 INCHES IN DEPTH NORMAL TO THE SLOPE AND SHALL BE AT SUCH A MOISTURE CONTENT THAT THE EARTHFILL CAN BE COMPACTED AGAINST THEM TO PRODUCE A GOOD BOND BETWEEN THE FILL AND THE ABUTMENTS.

ROCK FOUNDATION AND ABUTMENT SURFACES SHALL BE CLEARED OF ALL LOOSE MATERIAL BY HAND OR OTHER EFFECTIVE MEANS AND SHALL BE FREE OF STANDING WATER WHEN FILL IS PLACED UPON THEM. OCCASIONAL ROCK OUTCROPS IN EARTH FOUNDATIONS FOR EARTHFILL, EXCEPT IN DAMS AND OTHER STRUCTURES DESIGNED TO RESTRAIN THE MOVEMENT OF WATER. SHALL NOT REQUIRE SPECIAL TREATMENT IF THEY DO NOT INTERFERE WITH COMPACTION OF THE FOUNDATION AND INITIAL LAYERS OF THE TILL OR THE BOND BETWEEN THE FOUNDATION AND THE FILL.

FOUNDATION AND ABUTMENT SURFACES SHALL BE NO STEEPER THAN ONE HORIZONTAL TO ONE VERTICAL UNLESS OTHERWISE SPECIFIED. TEST PITS OR OTHER CAVITIES SHALL BE FILLED WITH COMPACTED EARTHFILL CONFORMING TO THE SPECIFICATIONS FOR THE EARTHFILL TO BE PLACED UPON THE FOUNDATION.

4. PLACEMENT EARTHFILL SHALL BE PLACED IN APPROXIMATELY HORIZONTAL LAYERS. THE THICKNESS OF EACH LAYER BEFORE COMPACTION SHALL NOT EXCEED THE MAXIMUM THICKNESS SPECIFIED AS SHOWN ON THE DRAWINGS. MATERIALS PLACED BY DUMPING IN PILES OR WINDOWS SHALL BE SPREAD UNIFORMLY TO NOT MORE THAN THE SPECIFIED THICKNESS BEFORE BEING COMPACTED.

HAND COMPACTED EARTH BACKFILL SHALL BE PLACED IN LAYERS WHOSE THICKNESS BEFORE COMPACTION DOES NOT EXCEED THE MAXIMUM THICKNESS SPECIFIED FOR LAYERS OF EARTH BACKFILL COMPACTED BY MANUALLY DIRECTED POWER TAMPERS.

FARTH BACKFILL SHALL BE PLACED IN A MANNER THAT PREVENTS DAMAGE TO THE STRUCTURES AND ALLOWS THE STRUCTURES TO ASSUME THE LOADS FROM THE EARTH BACKFILL GRADUALLY AND UNIFORMLY. THE HEIGHT OF THE EARTH BACKFILL ADJACENT TO A STRUCTURE SHALL BE INCREASED AT APPROXIMATELY THE SAME RATE ON ALL SIDES OF THE STRUCTURE

EARTHFILL AND EARTH BACKFILL IN DAMS, LEVEES, AND OTHER STRUCTURES DESIGNED TO RESTRAIN THE MOVEMENT OF WATER SHALL BE PLACED TO MEET THE FOLLOWING ADDITIONAL REQUIREMENTS:

(a) THE DISTRIBUTION OF MATERIALS THROUGHOUT EACH ZONE SHALL BE ESSENTIALLY UNIFORM, AND THE EARTHFILL SHALL BE FREE FROM LENSES, POCKETS, STREAKS, OR LAYERS OF MATERIAL DIFFERING SUBSTANTIALLY IN TEXTURE, MOISTURE CONTENT, OR GRADATION FROM THE SURROUNDING MATERIAL. ZONE EARTHFILLS SHALL BE CONSTRUCTED CONCURRENTLY UNLESS OTHERWISE SPECIFIED.

(b) IF THE SURFACE OF ANY LAYER BECOMES TOO HARD AND SMOOTH FOR PROPER BOND WITH THE SUCCEEDING LAYER, IT SHALL BE SCARIFIED PARALLEL TO THE AXIS OF THE FILL TO A DEPTH OF NOT LESS THAN 2 INCHES BEFORE THE NEXT (c) THE TOP SURFACE OF EMBANKMENTS SHALL BE MAINTAINED APPROXIMATELY

LEVEL DURING CONSTRUCTION WITH TWO EXCEPTIONS: A CROWN OR CROSS-SLOPE OF ABOUT 2 PERCENT SHALL BE MAINTAINED TO ENSURE EFFECTIVE DRAINAGE, OR AS OTHERWISE SPECIFIED FOR DRAINFILL OR SECTIONAL (d) DAM EMBANKMENTS SHALL BE CONSTRUCTED IN CONTINUOUS LAYERS FROM ABUTMENT TO ABUTMENT EXCEPT WHERE OPENINGS TO FACILITATE CONSTRUCTION

OR TO ALLOW THE PASSAGE OF STREAM FLOW DURING CONSTRUCTION ARE SPECIFICALLY AUTHORIZED IN THE CONTRACT. (e) EMBANKMENTS BUILT AT DIFFERENT LEVELS AS DESCRIBED UNDER (C) OR (D) ABOVE SHALL BE CONSTRUCTED SO THAT THE SLOPE OF THE BONDING SURFACES BETWEEN EMBANKMENT IN PLACE AND EMBANKMENT TO BE PLACED IS NOT STEEPER THAN 3 FEET HORIZONTAL TO 1 FOOT VERTICAL. THE BONDING SURFACE OF THE EMBANKMENT IN PLACE SHALL BE STRIPPED OF ALL MATERIAL NOT MEETING THE REQUIREMENTS OF THIS SPECIFICATION AND SHALL BE SCARIFIED, MOISTENED, AND RECOMPACTED WHEN THE NEW EARTHFILL IS PLACED AGAINST IT. THIS ENSURES A GOOD BOND WITH THE NEW EARTHFILL AND OBTAINS THE SPECIFIED MOISTURE CONTENT AND DENSITY AT THE CONTACT OF

THE INPLACE AND NEW EARTHFILLS.

(f) THE FILL MATERIAL SHALL BE FREE OF ORGANIC MATTER AND OTHER OBJECTIONABLE MATERIAL. PLACING AND SPREADING OF FILL SHALL BEGIN ON THE LOWEST PART OF THE WORKING AREA AND CONTINUE IN HORIZONTAL LAYERS OF APPROXIMATE UNIFORM THICKNESS, NOT EXCEEDING 9 INCHES BEFORE COMPACTION. WHERE THE BORROW YIELDS MATERIALS OF VARYING TEXTURE AND GRADATION, THE MORE IMPERVIOUS MATERIAL SHALL BE PLACED TOWARD THE WATERSIDE OF THE BERM. THE CONSTRUCTION EQUIPMENT SHALL BE OPERATED OVER THE AREA OF EACH LAYER IN A MANNER TO BREAK UP LARGE CLODS AND OBTAIN COMPACTION.

CONTROL OF MOISTURE CONTENT DURING PLACEMENT AND COMPACTION OF EARTHFILL AND EARTH BACKFILL, THE MOISTURE CONTENT OF THE MATERIAL BEING PLACED SHALL BE MAINTAINED WITHIN THE SPECIFIED

THE APPLICATION OF WATER TO THE EARTHFILL MATERIAL SHALL BE ACCOMPLISHED AT THE BORROW AREAS INSOFAR AS PRACTICABLE. WATER MAY BE APPLIED BY SPRINKLING HE MATERIAL AFTER PLACEMENT ON THE EARTHFILL, IF NECESSARY. UNIFORM MOISTURE

MATFRIAI THAT IS TOO WET WHEN DEPOSITED ON THE EARTHFILL SHALL EITHER BE REMOVED OR BE DRIED TO THE SPECIFIED MOISTURE CONTENT PRIOR TO COMPACTION. IF THE TOP SURFACE OF THE PRECEDING LAYER OF COMPACTED EARTHFILL OR A FOUNDATION OR ABUTMENT SURFACE IN THE ZONE OF CONTACT WITH THE EARTHFILL BECOMES TOO DRY TO PERMIT SUITABLE BOND, IT SHALL EITHER BE REMOVED OR SCARIFIED AND MOISTENED BY SPRINKLING TO AN ACCEPTABLE MOISTURE CONTENT

FARTHFILL - EARTHFILL SHALL BE COMPACTED ACCORDING TO THE FOLLOWING

PROCTOR DENSITY

CLASS A COMPACTION - EACH LAYER OF EARTHFILL SHALL BE COMPACTED AS NECESSARY TO PROVIDE THE DENSITY OF THE EARTHFILL MATRIX NOT LESS THAN THE MINIMUM DENSITY SPECIFIED ON THE DRAWINGS. THE EARTHFILL MATRIX IS DEFINED AS THE PORTION OF THE EARTHFILL MATERIAL FINER THAN THE MAXIMUM PARTICLE SIZE USED IN THE COMPACTION TEST METHOD SPECIFIED.

4643, D 4944, OR D 4959.

COMPACTION OF ALL EARTHEN EMBANKMENTS SHALL HAVE A NON-PERMEABLE CORE, SHALL BE BASED ON A GEOTECHNICAL INVESTIGATION OF THE SITE, AND SHALL BE COMPACTED TO 90% STANDARD PROCTOR.

REWORKING OR REMOVAL AND REPLACEMENT OF DEFECTIVE EARTHFILL EARTHFILL PLACED AT DENSITIES LOWER THAN THE SPECIFIED MINIMUM DENSITY OR AT MOISTURE CONTENTS OUTSIDE THE SPECIFIED ACCEPTABLE RANGE OF MOISTURE CONTENT OR OTHERWISE NOT CONFORMING TO THE REQUIREMENTS OF THE SPECIFICATIONS SHALL BE REWORKED TO MEET THE REQUIREMENTS OR REMOVED AND REPLACED BY ACCEPTABLE EARTHFILL. THE REPLACEMENT EARTHFILL AND THE FOUNDATION, ABUTMENT, AND EARTHFILL SURFACES UPON WHICH IT IS PLACED SHALL CONFORM TO ALL REQUIREMENTS OF THIS SPECIFICATION FOR FOUNDATION PREPARATION, APPROVAL, PLACEMENT, MOISTURE CONTROL, AND COMPACTION.

DURING THE COURSE OF THE WORK, THE CONTRACTOR WILL PERFORM QUALITY CONTROL TEST REQUIRED TO IDENTIFY MATERIAL; DETERMINE COMPACTION CHARACTERISTICS; DETERMINE MOISTURE CONTENT; AND DETERMINE DENSITY OF EARTHFILL IN PLACE. TESTS PERFORMED WILL BE SUBMITTED TO THE ENGINEER OF RECORD TO VERIFY THAT THE EARTHFILLS CONFORM TO CONTRACT REQUIREMENTS OF THE SPECIFICATIONS.

DENSITIES OF EARTHFILL REQUIRING CLASS A COMPACTION WILL BE DETERMINED IN ACCORDANCE WITH ASTM D 698, D 1556, D 2167, D 2922, OR D 2937 EXCEPT THAT THE VOLUME AND MOIST WEIGHT OF INCLUDED ROCK PARTICLES LARGER THAN THOSE USED IN THE COMPACTION TEST METHOD SPECIFIED FOR THE TYPE OF FILL WILL BE DETERMINED AND DEDUCTED FROM THE VOLUME AND MOIST WEIGHT OF THE TOTAL SAMPLE BEFORE COMPUTATION OF DENSITY OR, IF USING THE NUCLEAR GAUGE, ADDED TO THE SPECIFIED DENSITY TO BRING IT TO THE MEASURE OF EQUIVALENT COMPOSITION FOR COMPARISON (SEE ASTM D 4718). THE DENSITY SO COMPUTED IS USED TO DETERMINE THE PERCENT COMPACTION OF THE EARTHFILL MATRIX. UNLESS OTHERWISE SPECIFIED, MOISTURE CONTENT IS DETERMINED BY ONE OF THE FOLLOWING METHODS: ASTM D 2216, D 3017, D

IMPERVIOUS CORE COMPACTION NOTE: COMPACTED CLAY CORE TO BE PLACED A MINIMUM OF 2' BELOW EXISTING GRADE ALONG THE ENTIRE LENGTH OF THE BERM. MATERIAL TO HAVE A PI OF 30 OR GREATER, MINIMUM COMPACTED DRY DENSITY OF 90% AND GROUND CONTENT NO MORE THAN 5% BY WEIGHT LARGER THAN NO.4 SIEVE.

<u>DETENTION POND NOTES:</u> CONSTRUCTION SPECIFICATION — TOP SOIL

1. VEGETATION OF POND BOTTOM — THE WORK CONSISTS OF PLACEMENT OF TOP SOIL ON NEW EARTH EMBANKMENTS, OTHER EARTHFILLS, AND EARTH BACKFILLS REQUIRED BY THE DRAWINGS. 2. MATERIAL — THE TOPSOIL SHALL BE FERTILE SOIL, CONSISTING PRIMARILY OF CLAY AND CLAYEY MATERIALS, WITH A PLASTICITY INDEX GREATER THAN 15, AND SHALL BE FREE OF LARGE ORGANIC OR

3. APPLICATION - TOPSOIL SHALL BE PLACED AT GRADES INDICATED ON THE PLANS AND ROLLED TO REDUCE EROSION. PERIODIC INSPECTION ARE REQUIRED AND ADDITIONAL TOPSOIL ADDED AS NEEDED CONSTRUCTION SPECIFICATION - VEGETATION

1. VEGETATION OF EMBANKMENT - THE WORK CONSISTS OF ESTABLISHING VEGETATION ON NEW EARTH EMBANKMENTS, OTHER EARTHFILLS, AND EARTH BACKFILLS REQUIRED BY THE DRAWINGS. 2. MATERIAL - VEGETATION SHALL CONSIST OF "NATIVE SUN TURF GRASS" AS SUPPLIED BY NATIVE AMERICAN SEED IN JUNCTION, TX, CONSISTING OF 34% BLUE GRAMA AND 64% BUFFALO GRASS, OR ENGINEER APPROVED EQUAL. SEED MIXTURE SHALL CONSIST OF A PURE LIVE SEED OF 90-95%.

3. APPLICATION - THE SEED MIXTURE SHALL BE INSTALLED PER DISTRIBUTORS RECOMMENDATIONS AT A RATE OF 1 LB PER 400 SQFT. SEED MIXTURE SHALL BE WATERED AS REQUIRED UNTIL VEGETATION IS DRAINAGE INFRASTRUCTURE MAINTENANCE AND MONITORING GUIDELINES

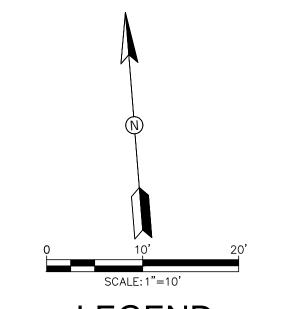
 SEASONAL MOWING AND LAWN CARE — IF THE DETENTION POND IS MADE UP OF TURF GRASS, IT SHOULD BE MOWED AS NEEDED TO LIMIT VEGETATION HEIGHT TO 18 INCHES, USING A MULCHING MOWER (OR REMOVAL OF CLIPPINGS). IF NATIVE GRASSES ARE USED, THE POND MAY REQUIRE LESS FREQUENT MOWING, BUT A MINIMUM OF TWICE ANNUALLY. REGULAR MOWING SHOULD ALSO INCLUDE WEED CONTROL PRACTICES, HOWEVER HERBICIDE USE SHOULD BE KEPT TO A MINIMUM. HEALTHY GRASS CAN BE MAINTAINED WITHOUT USING FERTILIZERS BECAUSE RUNOFF USUALLY CONTAINS SUFFICIENT NUTRIENTS. IRRIGATION OF THE SITE CAN HELP ASSURE A DENSE AND HEALTHY

• INSPECTION - INSPECT DETENTION POND AT LEAST TWICE ANNUALLY FOR EROSION OR DAMAGE TO VEGETATION; HOWEVER, ADDITIONAL INSPECTION AFTER PERIODS OF HEAVY RUNOFF IS MOST DESIRABLE. MORE FREQUENT INSPECTIONS OF THE GRASS COVER DURING THE FIRST FEW YEARS AFTER ESTABLISHMENT WILL HELP TO DETERMINE IF ANY PROBLEMS ARE DEVELOPING, AND TO PLAN FOR LONG-TERM RESTORATIVE MAINTENANCE NEEDS. BARE SPOTS AND AREAS OF EROSION IDENTIFIED DURING SEMI-ANNUAL INSPECTIONS MUST BE REPLANTED AND RESTORED TO MEET

 DEBRIS AND LITTER REMOVAL - THE DETENTION POND SHOULD BE KEPT FREE OF OBSTRUCTIONS TO REDUCE FLOATABLES BEING FLUSHED DOWNSTREAM, AND FOR AESTHETIC REASONS. THE NEED FOR THIS PRACTICE IS DETERMINED THROUGH PERIODIC INSPECTION, BUT SHOULD BE PERFORMED NO LESS

 SEDIMENT REMOVAL — SEDIMENT MAY ACCUMULATE WITHIN THE DETENTION POND, PREVENTING UNIFORM OVERLAND FLOW, SEE ATTACHED EXHIBIT FOR SEDIMENT MARKER LOCATION NEAR THE POND OUTFALL SEDIMENT IS TO BE REMOVED WHEN THE ACCUMULATED OR AT LEAST EVERY 10 YEARS.

SEE SHEET 12 FOR POND **SECTIONS VIEWS**



EXISTING CONTOUR PROPOSED CONTOUR

W !

JAMES INGALLS

107416

07/29/2025

CONDOR TEXAS PROPERTIES

6779 W SH 29 #100

GEORGETOWN, TX 78628

GO PICKLEBALL

6827 W SH 29

GEORGETOWN, TX, 78628

WATER QUALITY POND PLAN

of **17**

ISSUES AND REVISIONS

SHEET

DRAINAGE FLOW ARROW

GRADE BREAK/SWALE

SEDIMENT DEPTH MARKER

SEDIMENT DEPTH MARKER

ATTACHED TO WATER QUALITY -

PROPER OPERATION.

. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 3000 PSI IN 28 DAYS.

2. ANY DISTURBED AREAS WILL BE VEGETATED BY SEEDING OR SODDING. 3. ALL EARTHEN CHANNELS MUST NOT EXCEED 3:1 SIDE SLOPES (MAX).

4. VALVE TO BE EQUIPPED WITH MANUAL OPENING CAPABILITY.

5. VALVE TO BE IN CLOSED POSITION AT ALL TIMES BETWEEN STORM EVENTS. 6. LOGIC CONTROLLER TO OPEN VALVE 12 HOURS

(BY SIGNALING ACTUATOR TO TURN VALVE INTO FULLY OPEN POSITION) ÀFTER FIRST RAINFALL READING BY WATER LEVEL SENSOR.

7. VEGETATION ON THE BASIN EMBANKMENTS SHOULD BE MOWED AS APPROPRIATE TO PREVENT ESTABLISHMENT OF WOODY VEGETATION

8. ALL CABLES TO BE PROTECTED BY CONDUIT AND BURIED TO PREVENT

DAMAGE DURING MAINTENANCE ACTIVITIES. 9. MANUAL CONTROLS OF THE CONTROLLER WILL BE USED TO KEEP VALVE CLOSED IN THE EVENT OF A HAZARDOUS MATERIAL SPILL IN THE BASIN. ALL COMPONENTS OF THE SYSTEM MUST BE INSPECTED WITHIN 7 DAYS FOR

10. FIXED VERTICAL SEDIMENTATION DEPTH MARKER TO BE INSTALLED TO INDICATE WHEN SEDIMENTATION ACCUMULATION REACHES A REQUIRED REMOVAL DEPTH OF 6 INCHES.

11. 12 INCHES OF CLAY TO BE USED AS IMPERMEABLE LINER FOR BATCH DETENTION BASIN. CLAY SHOULD BE STABILIZED WITH APPROPRIATE VEGETATION AND MEET SPECIFICATIONS FROM TABLE 3-6 OF THE EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL. (SHOWN ON THIS PAGE)

12. UPON COMPLETION OF CONSTRUCTION, AND IN ACCORDANCE WITH TCEQ

REGULATIONS, ALL PERMANENT BMP'S (BASINS) MUST BE CERTIFIED BY A

REQUIREMENTS FOR THE CLASS OF COMPACTION SPECIFIED:

BEFORE PLACEMENT OF THE NEXT LAYER OF EARTHFILL.

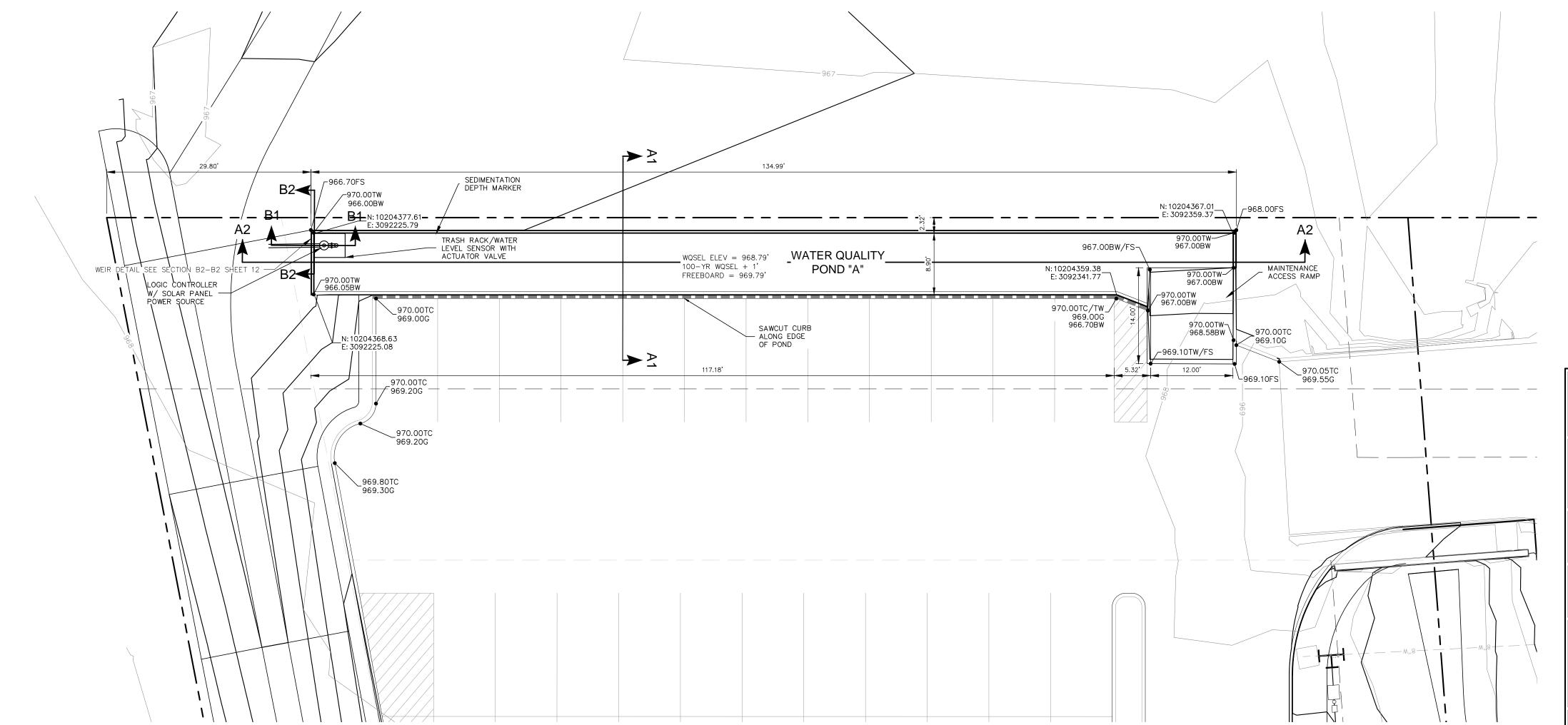
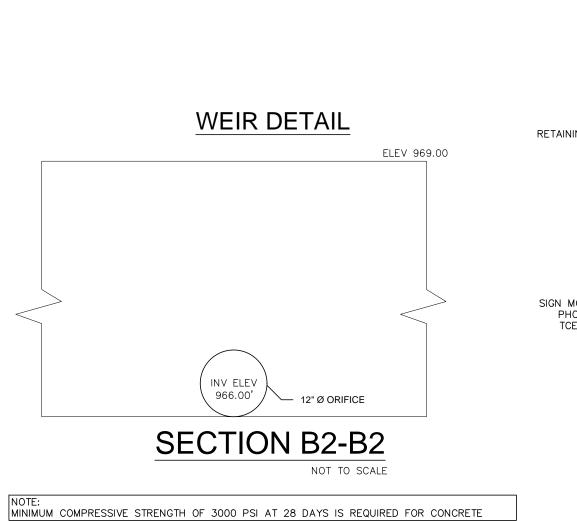


TABLE 3.6 (CLAY LINER SPECIFICATION)			
PROPERTY	TEST METHOD	UNIT	SPECIFICATION
PERMEABILITY	ASTM D-2434	CM/SEC	1 x 10-6
PLASTICITY INDEX OF CLAY	ASTM D-423 & D-424	%	NOT LESS THAN 15
LIQUID LIMIT OF CLAY	ASTM D-2216	%	NOT LESS THAN 30
CLAY PARTICLES PASSING	ASTM D-422	%	NOT LESS THAN 30
CLAY COMPACTION	ASTM D-2216	%	95% OF STANDARD

NOTE: IMPERVIOUS CLAY LINER SHOWN ARE TO BE CONSIDERED SUBSIDIARY TO POND EXCAVATION. (NO SEPARATE PAY ITEM)

2021 W SH46, STE 105 NEW BRAUNFELS, TX. 78132 PH: 830-358-7127 ink-civil.com TBPE FIRM F-13351

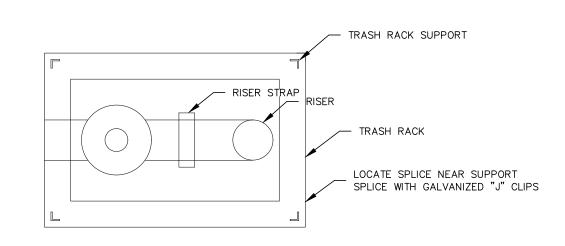
SEE SHEET 11 FOR SECTION MARKER LOCATIONS



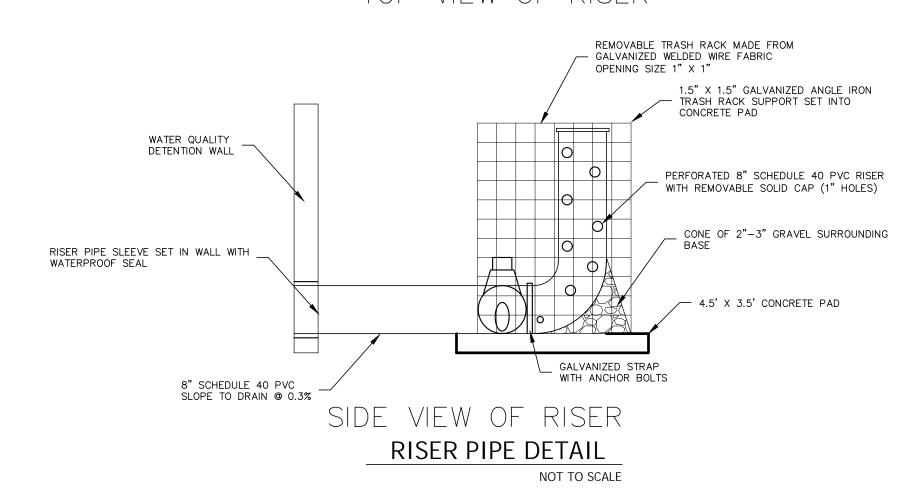
RETAINING WALL (DESIGN BY OTHERS)

12" ORIFICE
SEE DETAIL THIS SHEET

12" ORIFICE
SEE



TOP VIEW OF RISER





CONDOR TEXAS PROPERTIES

6779 W SH 29 #100 GEORGETOWN, TX 78628

GO PICKLEBALL 6827 W SH 29 GEORGETOWN, TX , 78628

WATER QUALITY DETAILS

SHEET

12

of **17**

NO DATE ISSUES AND REVISIONS



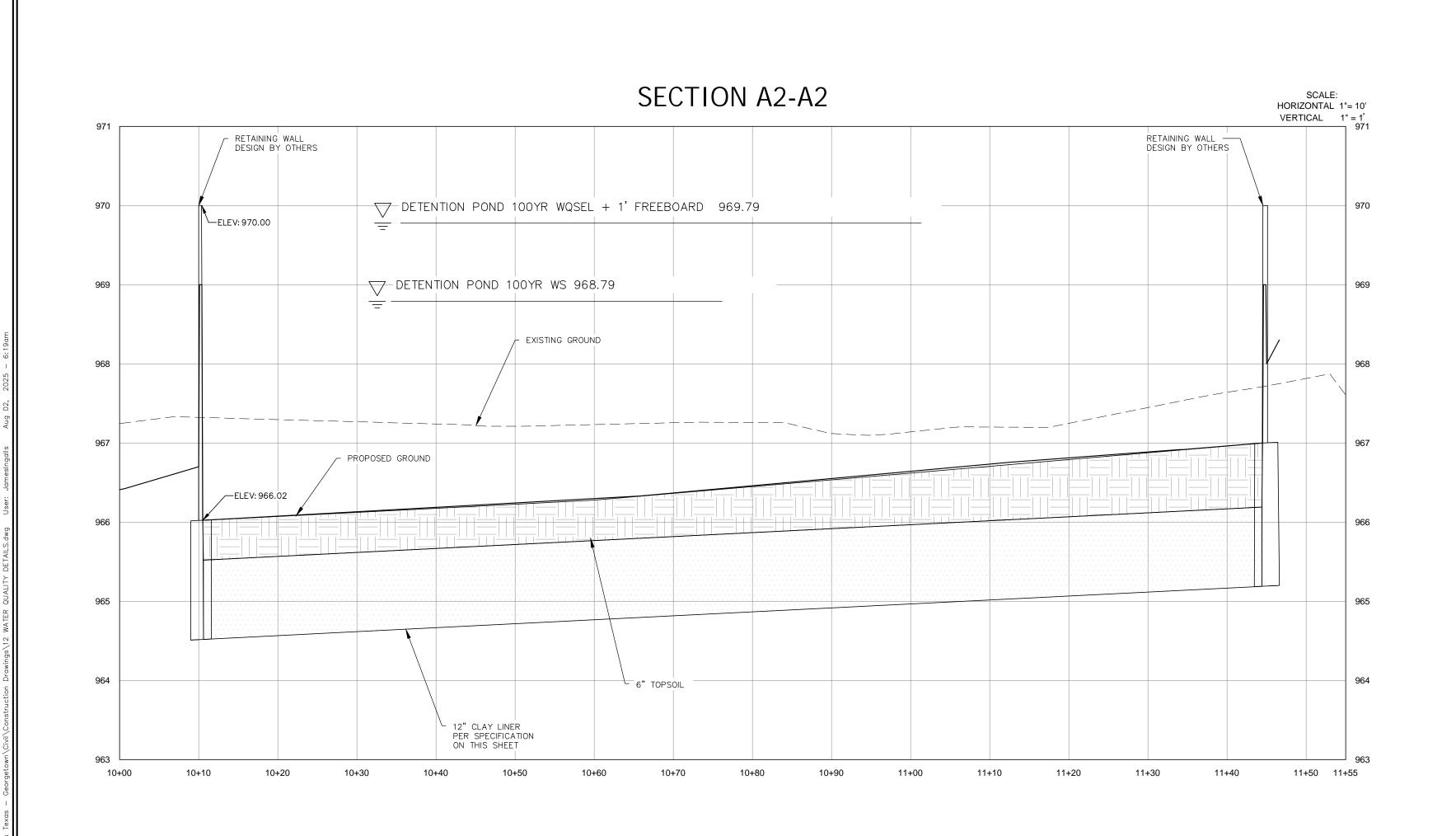
2021 W SH46, STE 105

NEW BRAUNFELS, TX. 78132

PH: 830-358-7127 ink-civil.com

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SECTION A1-A1

DETENTION POND 100YR WQSEL + 1' FREEBOARD 969.79

WQ POND 100YR

₩S 968.79

PROPOSED GROUND -

9+90

RETAINING WALL
DESIGN BY OTHERS

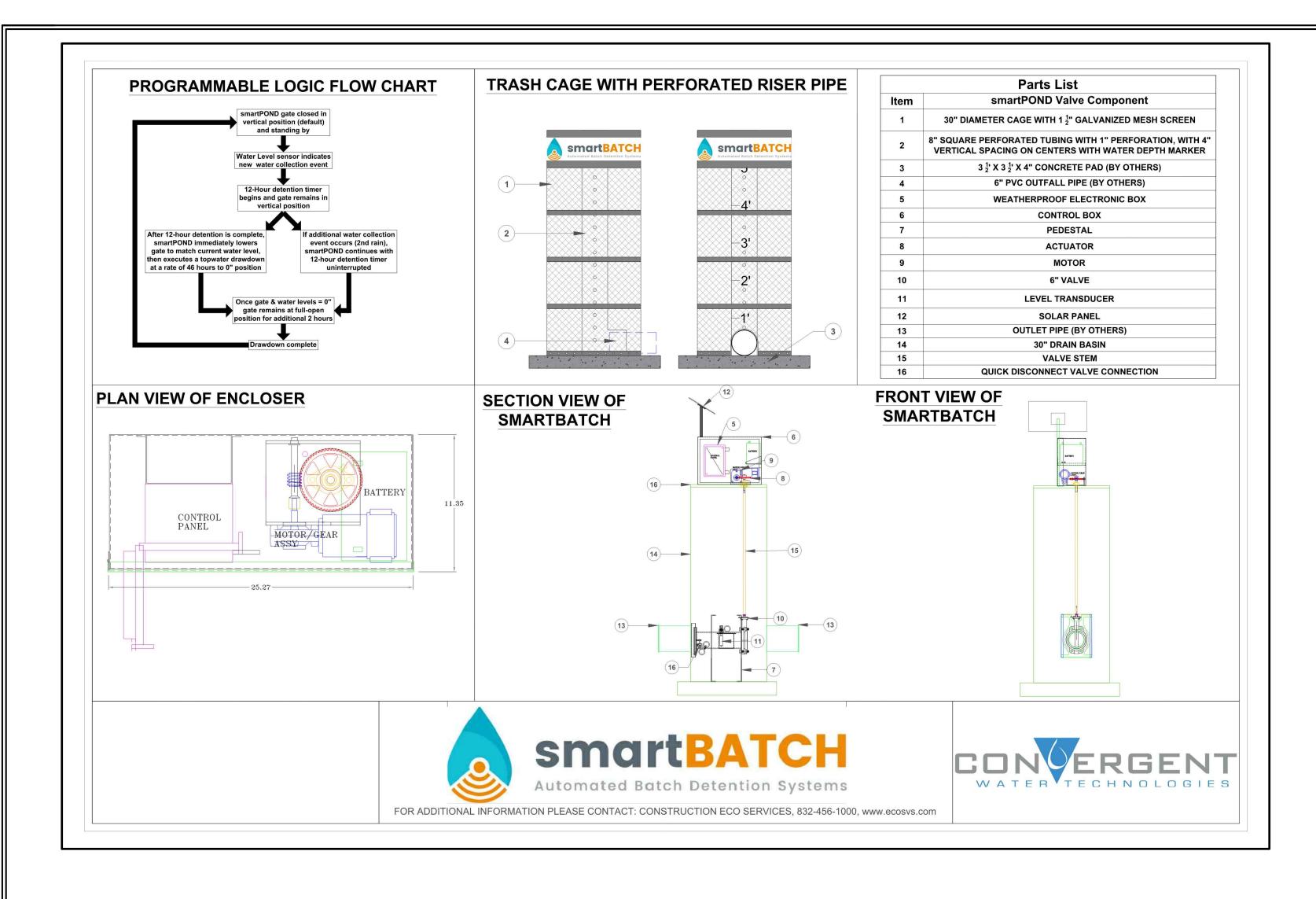
VERTICAL 1'' = 1

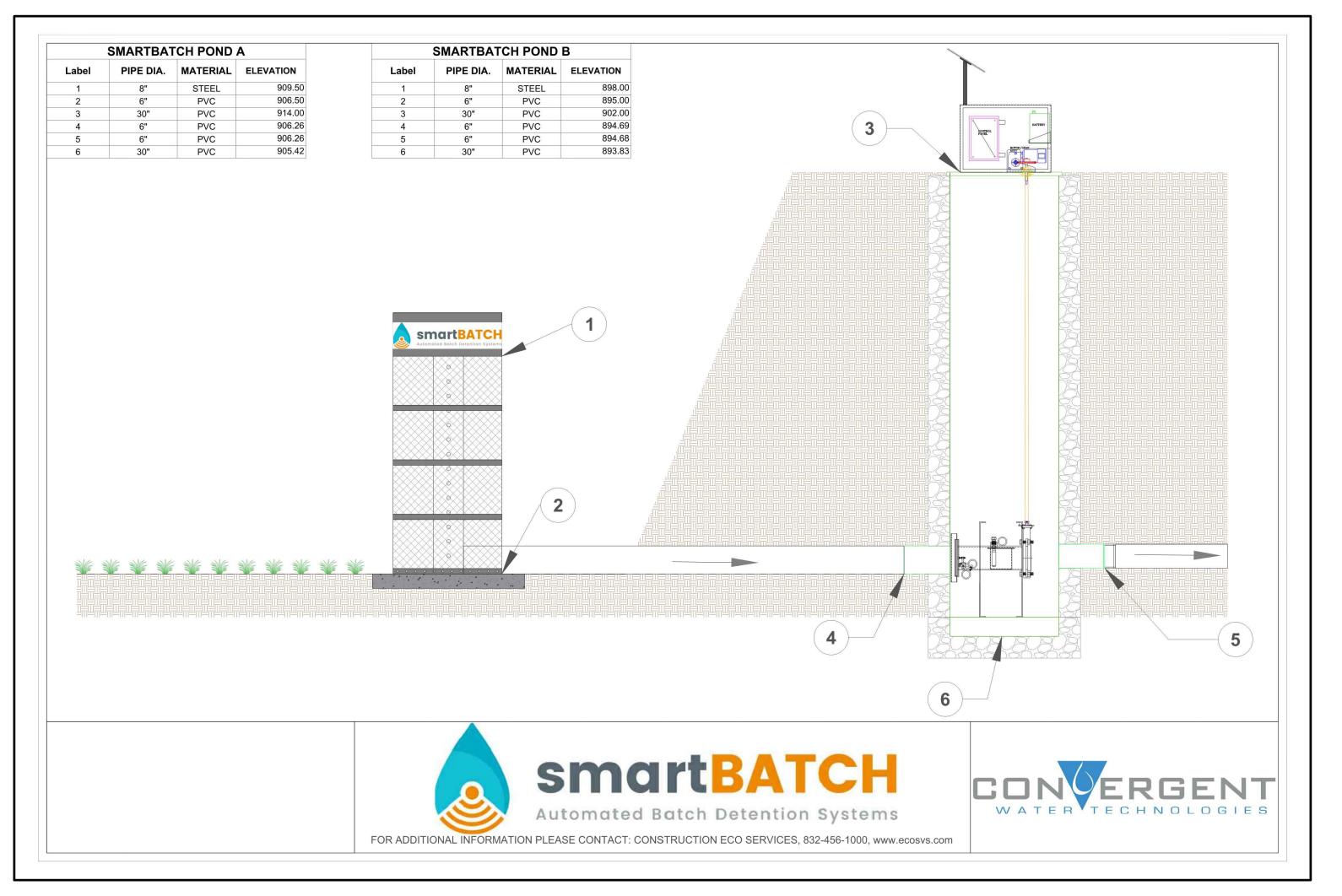
6" TOPSOIL

12" CLAY LINER
PER SPECIFICATION
ON SHEET 9

10+30

10+20







CONDOR TEXAS PROPERTIES 6779 W SH 29 #100

GEORGETOWN, TX 78628

GO PICKLEBALL

6827 W SH 29 GEORGETOWN, TX , 78628

WATER QUALITY DETAILS 2

SHEET 12.1

of **17**

NO DATE ISSUES AND REVISIONS



2021 W SH46, STE 105
NEW BRAUNFELS, TX. 78132
PH: 830-358-7127 ink-civil.com
TBPE FIRM F-13351

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Agent Authorization Form

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

Ruca	Connor	
	Print Name	5.0.0
Manga	Title - Owner/President/Other	
	Title - Owner/President/Other	
of	Condor Texas Properties, LLC	
	Corporation/Partnership/Entity Name	
have authorized	James Ingalls, PE	
	Print Name of Agent/Engineer	
of	INK Civil	
	Print Name of Firm	and the same of th

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:

- 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.
- 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.
- 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

4/16/25

THE STATE OF TEXES \$

County of Williams \$

GIVEN under my hand and seal of office on this 16th day of April 2015

ALLISON DICKMANN
Notary Public, State of Texas
Comm. Expires 09-06-2026
Notary ID 12968584-8

NOTARY PUBLIC
ALLSON DICKIMAN

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 09-06-2036

Application Fee Form

Texas Commission on Environmental Quality Name of Proposed Regulated Entity: Condor Office Park Regulated Entity Location: 6827 W STATE HIGHWAY 29, GEORGETOWN, TX 78628 Name of Customer: CONDOR TEXAS PROPERTIES, LLC Contact Person: Ryan Condor Phone: 512-484-1718 Customer Reference Number (if issued):CN 605702315 Regulated Entity Reference Number (if issued):RN _110856671 **Austin Regional Office (3373)** Hays Travis ✓ Williamson San Antonio Regional Office (3362) Medina Uvalde Bexar Comal Kinney Application fees must be paid by check, certified check, or money order, payable to the Texas Commission on Environmental Quality. Your canceled check will serve as your receipt. This form must be submitted with your fee payment. This payment is being submitted to: ✓ Austin Regional Office San Antonio Regional Office Mailed to: TCEQ - Cashier Overnight Delivery to: TCEQ - Cashier **Revenues Section** 12100 Park 35 Circle Mail Code 214 Building A, 3rd Floor P.O. Box 13088 Austin, TX 78753 Austin, TX 78711-3088 (512)239-0357 Site Location (Check All That Apply): Contributing Zone ✓ Recharge Zone **Transition Zone**

Type of Plan	Size	Fee Due
Water Pollution Abatement Plan, Contributing Zone		
Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone		
Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone		
Plan: Non-residential	1.23 Acres	\$ 4,000
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature:		Date:	04/15/2025

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150



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

LC 11011 II GCIICI AI IIII G	<u> </u>					
1. Reason for Submission (If other is checked ple	ease describe in space provided.)					
New Permit, Registration or Authorization (<i>Co</i>	re Data Form should be submitted with	the program application.)				
Renewal (Core Data Form should be submitted	d with the renewal form)	Other				
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in	3. Regulated Entity Reference Number (if issued)				
CN 605702315	Central Registry**	RN 110856671				
SECTION II: Customer I	nformation					
4. General Customer Information 5	5. Effective Date for Customer Information Updates (mm/dd/yyyy)					
☐ New Customer ☑ Upda	ate to Customer Information	Change in Regulated Entity Ownership				
Change in Legal Name (Verifiable with the Texas	Secretary of State or Texas Comptroller	of Public Accounts)				

4. General Customer Information 5. Effective Date for Customer Information Updates (mm/dd/yyyy)													
New Customer													
Change in Le	egal Name	(Veritiabl	le with the Te	xas Secretary	of State or Te	xas Con	nptro	ller of Publi	c Accou	unts)			
The Custome	r Name su	bmitte	d here may l	be updated (automatical	lly base	ed or	n what is c	urrent	and active	with th	he Texas Sec	retary of State
(SOS) or Texa	s Comptro	oller of	Public Accou	ınts (CPA).									
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below:							ner below:						
CONDOR	TEXAS	PROP	ERTIES, I	LLC									
7. TX SOS/CP	A Filing N	umber		8. TX State	Tax ID (11 d	digits)			9. Fe	deral Tax I	D		Number (if
080139199	96			3204373	9294				(9 dig	(9 digits)		applicable)	
									27-5	27-5374351		002073314	
11. Type of C	ustomer:		Corporat	tion				Individ	dual Partne		ership: 🗹 General 🗌 Limited		
Government: [City 🔲 (County [Federal 🗌	Local 🗌 Stat	te 🗌 Other			Sole P	roprieto	orship	Ot	her:	
12. Number o	of Employ	ees							13. lı	ndepender	itly Ow	ned and Ope	erated?
0-20	21-100] 101-25	50 🔲 251-	500 🗌 501	1 and higher				✓ Yes				
14. Customer	Role (Pro	posed or	Actual) – as i	t relates to th	e Regulated E	ntity list	ted o	n this form.	Please	check one o	f the foll	owing	
✓Owner ☐ Operator ☐ Owner & Operator ☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant													
15. Mailing	РО ВО	X 108	3										
Address:													
Address.	City	CED	AR PARK		State	TX		ZIP	786	30		ZIP + 4	1083
16. Country N	Mailing Inf	ormatio	on (if outside	USA)			17	. E-Mail A	ddress	(if applicabl	e)		
							ryan@condortxp.com						
18. Telephone Number 19. Extension or Code 20. Fax Number (if applicable)													

TCEQ-10400 (11/22) Page 1 of 3

(512)415-0440		() -
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SECTION III: Regulated Entity Information

21. General Regulated En	tity Informa	ition (If 'New Regul	lated Entity" is selec	ted, a new pe	ermit applic	ation is als	so required.)		
New Regulated Entity	Update to Regulated Entity Name								
The Regulated Entity Namas Inc, LP, or LLC).	ne submitte	d may be updated	d, in order to mee	et TCEQ Cor	e Data Sto	ındards (ı	removal of o	rganizatior	nal endings such
22. Regulated Entity Nam	e (Enter nam	e of the site where t	the regulated action	is taking pla	ce.)				
CONDOR OFFICE F	PARK								
23. Street Address of the Regulated Entity:	6779 W STATE HIGHWAY 29								
(No PO Boxes)	City	GEORGETOWN	State	TX	ZIP	7862	8	ZIP + 4	2974
24. County	Williams	son							
		If no Street	Address is provid	ed, fields 2	5-28 are re	equired.			
25. Description to									
Physical Location:									
26. Nearest City						State		Nea	rest ZIP Code
Latitude/Longitude are re	-			CEQ Core D	ata Stand	ards. (Ge	ocoding of th	ne Physical	Address may be
used to supply coordinate	es where no	ne have been pro	vided or to gain o	accuracy).					
27. Latitude (N) In Decima		ne have been pro	vided or to gain o		ongitude (W) In Dec	cimal:		
			econds				cimal:		Seconds
27. Latitude (N) In Decima	al:			28. Lo					Seconds
27. Latitude (N) In Decima	al: Minutes		econds	28. Lo	y NAICS Co		Minutes	ndary NAIC	
27. Latitude (N) In Decima	Minutes	Se	econds	28. Lo	y NAICS Co		Minutes	-	
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997	Minutes 30. (4 di	Secondary SIC Co	econds ode	28. Lo Degree 31. Primar (5 or 6 digit	y NAICS Co		Minutes 32. Seco	gits)	
27. Latitude (N) In Decima Degrees 29. Primary SIC Code (4 digits)	Minutes 30. (4 di	Secondary SIC Co	econds ode	28. Lo Degree 31. Primar (5 or 6 digit	y NAICS Co		32. Seco	gits)	
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997	Minutes 30. (4 di	Secondary SIC Co	econds ode	28. Lo Degree 31. Primar (5 or 6 digit	y NAICS Co		32. Seco	gits)	
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997 33. What is the Primary B	Minutes 30. (4 di 86 Susiness of t	Secondary SIC Co	econds ode	28. Lo Degree 31. Primar (5 or 6 digit	y NAICS Co		32. Seco	gits)	
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997 33. What is the Primary B	Minutes 30. (4 di 86 Susiness of t	Secondary SIC Co	econds ode	28. Lo Degree 31. Primar (5 or 6 digit	y NAICS Co		32. Seco	gits)	
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997 33. What is the Primary B General Office and	Minutes 30. (4 di 86 Susiness of t	Secondary SIC Co	econds ode not repeat the SIC or	28. Lo Degree 31. Primar (5 or 6 digit	y NAICS Co		32. Seco (5 or 6 dig	gits)	
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997 33. What is the Primary B General Office and	Minutes 30. (4 di 86 Susiness of t gymnasiu PO BC City	Secondary SIC Co igits) 600 his entity? (Do no	econds ode not repeat the SIC or	28. Lo Degree 31. Primar (5 or 6 digit 711211	y NAICS Coss)	ode	32. Seco (5 or 6 dig	40	CS Code
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997 33. What is the Primary B General Office and 34. Mailing Address:	Minutes 30. (4 di 86 Susiness of t gymnasiu PO BC City	Secondary SIC Co	econds ode not repeat the SIC or	28. Lo Degree 31. Primar (5 or 6 digit 711211 NAICS descri	y NAICS Coss) ption.)	7863	32. Seco (5 or 6 dig	ziP + 4	CS Code
27. Latitude (N) In Decimal Degrees 29. Primary SIC Code (4 digits) 7997 33. What is the Primary B General Office and 34. Mailing Address: 35. E-Mail Address:	Minutes 30. (4 di 86 Susiness of t gymnasiu PO BC City	Secondary SIC Co	not repeat the SIC or K State .com	28. Lo Degree 31. Primar (5 or 6 digit 711211 NAICS descri	y NAICS Coss) ption.)	7863	32. Seco (5 or 6 dig	ziP + 4	CS Code

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.

TCEQ-10400 (11/22) Page 2 of 3

☐ Dam Safety	Districts	☑ Edwards Aquifer	Emissions Inventory Air	☐ Industrial Hazardous Waste
		EAPP ID: 11001723		
Municipal Solid Waste	New Source Review Air	OSSF	Petroleum Storage Tank	PWS
Sludge	Storm Water	☐ Title V Air	Tires	Used Oil
☐ Voluntary Cleanup	Wastewater	☐ Wastewater Agriculture	Water Rights	Other:

SECTION IV: Preparer Information

40. Name:	Catherine H	ne Haegelin, EIT		41. Title:	Graduate Engineer
42. Telephone	42. Telephone Number 43. Ext./Cod		44. Fax Number	45. E-Mail Address	
(830-358-7127			() -	plats@ink	c-civil.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:	INK Civil	Job Title:	Engineer/Agent		
Name (In Print):	James Ingalls, PE	Phone:	(830)-358-7127		
Signature:	James angle			Date:	04/15/2025

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