WATER POLLUTION ABATEMENT PLAN (WPAP) MODIFICATION

HOLT CAT GEORGETOWN 2101 AIRPORT ROAD GEORGETOWN, WILLIAMSON COUNTY, TEXAS 78628

Prepared For:

Holt Texas Ltd. P.O. Box 207916 San Antonio, Texas 78220-7916 Contact: Michael Puryear Phone: 210-648-8921



CDS Muery 100 NE Loop 410, Suite 300 San Antonio, Texas 78216



mproving Quality of Life in Our Communities



EDWARDS AQUIFER APPLICATION COVER PAGE (TCEQ-20705)

Texas Commission on Environmental Quality Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

Technical Review

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

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity N	ame: Holt C	Cat Geor	rgetowr	1	2. Regulated Entity No.: RN						
3. Customer Name:	s Ltd.			4. Cu	4. Customer No.: 601186745						
5. Project Type: (Please circle/check one)	New	Modif	fication	\bigcup	Exter	nsion	Exception				
6. Plan Type: (Please circle/check one)	WPAP CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures			
7. Land Use: (Please circle/check one)	Residential <	Non-r	residen	tial	\bigcirc	8. Sit	e (acres):	48.67 Acres			
9. Application Fee:	\$8,000	10. Pe	10. Permanent B):	Existing Sand Filter Basin, Existing Engineered VFS				
11. SCS (Linear Ft.):		12. A	ST/US	ST (N	o. Tar	D. Tanks):					
13. County:	Williamson	14. W	aters	hed:			San Gabriel/ Nor	th Fork San Gabriel River			

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

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

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

 Stephen Lin, P.E. with CDS Muery (Authorized Agent)

 Print Name of Oustomer/Authorized Agent

 08/31/2023

 Signature of Oustomer/Authorized Agent

 Date

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):	Fee Check: Signed (Y/N):
Core Data Form Incomplete Nos.:	Less than 90 days old (Y/N):



GENERAL INFORMATION FORM (TCEQ-0587)

General Information Form

Texas Commission on Environmental Quality

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

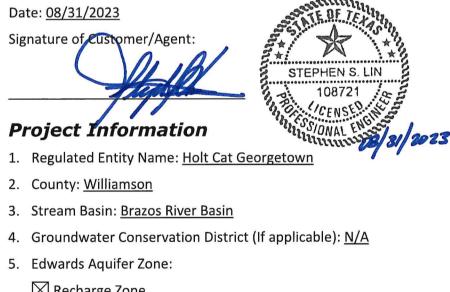
To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

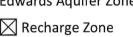
Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

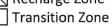
Signature

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

Print Name of Customer/Agent: Stephen Lin, P.E (w/CDS Muery)







6. Plan Type:

\boxtimes	WPAP
	SCS
\boxtimes	Modification

AST UST **Exception Request**

TCEQ-0587 (Rev. 02-11-15)

1 of 4

7. Customer (Applicant):

Contact Person: <u>Michael Puryear</u> Entity: <u>Holt Texas Ltd</u> Mailing Address: <u>P.O Box 207916</u> City, State: <u>San Antonio, Texas</u> Telephone: <u>210-648-8921</u> Email Address: <u>Michael.puryear@holtcat.com</u>

Zip: <u>78220-7916</u> FAX: <u>none</u>

8. Agent/Representative (If any):

Contact Person: Stephen Lin, P.EEntity: CDS MueryMailing Address: 100 NE Loop 410, Suite 300City, State: San Antonio, TexasTelephone: 210-581-1111Email Address: stephen.lin@cdsmuery.com

9. Project Location:

The project site is located inside the city limits of <u>Georgetown</u>.

The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.

- The project site is not located within any city's limits or ETJ.
- 10. The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.
- 11. Attachment A Road Map. A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.
- 12. X Attachment B USGS / Edwards Recharge Zone Map. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:

 \boxtimes Project site boundaries.

USGS Quadrangle Name(s).

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

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

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

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

Prohibited Activities

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

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

Administrative Information

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

 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 A: ROAD MAP

Google Maps 12100 Park 35 Circle, Austin, TX to 2101 Airport Rd, Drive 24.4 miles, 26 min Georgetown, TX 78628



Imagery ©2021 CAPCOG, Maxar Technologies, USDA Farm Service Agency, Map data ©2021 500 ft

12100 Park 35 Cir

Austin, TX 78753

Get on I-35 N from S IH 35 Frontage Rd and N Interstate 35 Frontage Rd

		6 min ((2.8 mi)
1	١.	Head south toward Park 35 Cir	
4	2.	Turn right toward Park 35 Cir	164 ft
-1	3.	Turn right onto Park 35 Cir	377 ft
4	4.	Turn right onto SIH 35 Frontage Rd	0.3 mi
4	5.	Use the left lane to turn left onto E Braker Ln	0.9 mi
4	6.	Turn left onto N Interstate 35 FrontageRd	292 ft
4	7.	Use the left lane to take the ramp onto I-35 N	0.1 mi



Follow I-35 N to S IH 35 Service Rd N in Georgetown. Take exit 265 from I-35 N

4	8.	Merge onto I-35 N	18 min (20.3 mi)
4		Take exit 265 toward TX-130 S/Austin	20.1 mi
	7.		0.2 mi
Drive	e to S	S IH 35 Service Rd S	
			— 2 min (1.3 mi)

4	10.	Merge onto S IH 35 Service Rd N	
4	11.	Turn left toward S IH 35 Service Rd S	0.6 mi
4	12.	Use any lane to turn left onto S IH 35 Service S	e Rd
			0.6 mi

2101 Airport Rd Georgetown, TX 78628

These directions are for planning purposes only. You may find that construction projects, trafic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.



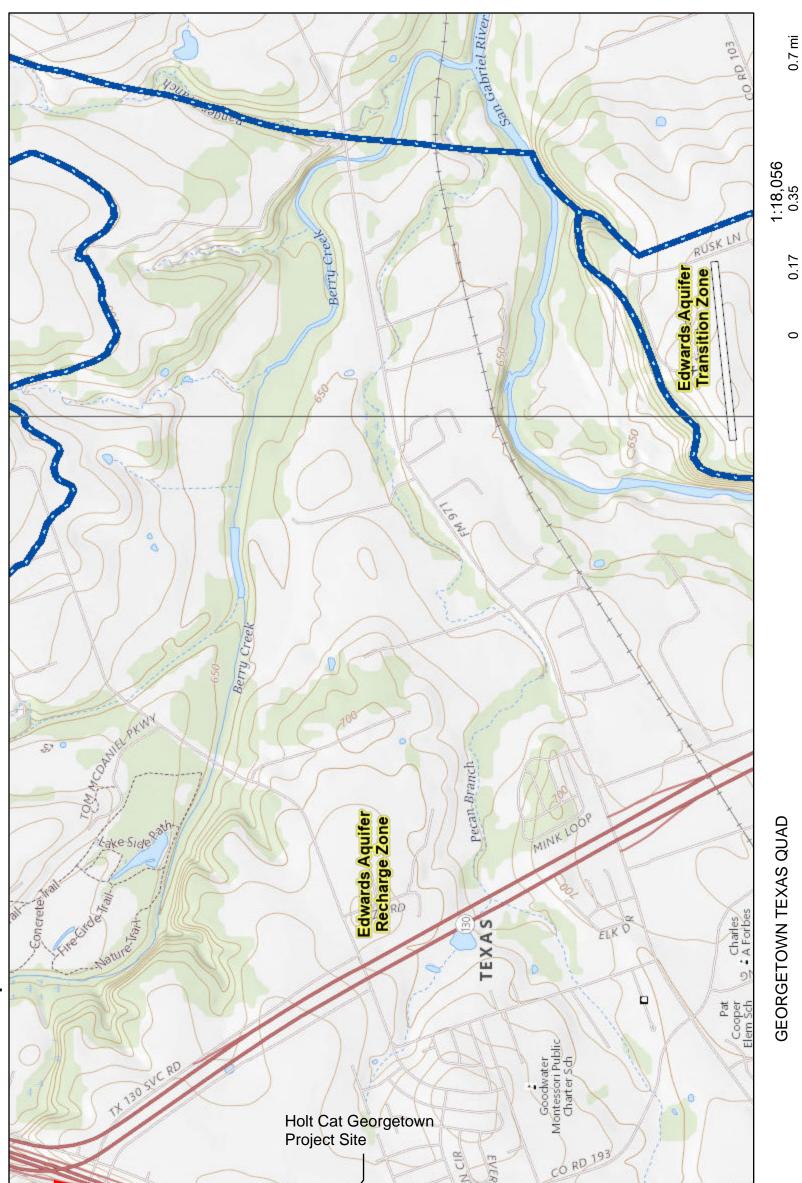
ATTACHMENT B: USGS / EDWARDS AQUIFER RECHARGE ZONE MAP

Edwards Aquifer Viewer HOLT CAT GEORGETOWN



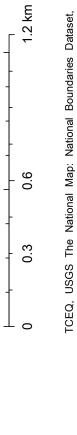
Web AppBuilder for ArcGIS TCEQ | Williamson County TX, Maxar |





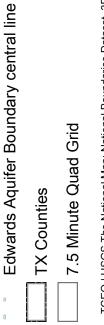
Web AppBuilder for ArcGIS Neographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line

3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset;



DRAINAGE FLOW PATH

TCEQ | USGS The National Map: National Boundaries Dataset, 3DEP Elevation



KEN CIR CIR ALANTZUONI MEDAST CO RD 151 Georgetown HS Chip Richarte HS CO RD 1904 OLD AIRPORT RD AIRPORT RD OH JAS RD

5/3/2021, 2:30:36 PM

Edwards Aquifer Boundary

Edwards Aquifer Label



ATTACHMENT C: PROJECT DESCRIPTION



Holt Cat Georgetown is an existing commercial heavy construction equipment sales and service dealership with associated parking lots, drive aisles and construction equipment storage base yards. The site is located at 2101 Airport Road, Georgetown, Williamson County, Texas 78628. Most of the site is developed, and any undeveloped areas were mass graded for future development. The site lies within the Brazos River Basin, entirely within the Edwards Aquifer Recharge Zone, and does not contain the Federal Emergency Management Agency (FEMA) 100-year floodplain. One naturally occurring sensitive geological feature, a fault, was identified in the Geologic Assessment and is shown on subsequent site plan(s). Upgradient off-site stormwater from the north was identified in the original WPAP and is intercepted by an earthen channel and routed around the site. The earthen channel was sized to capture and convey the stormwater runoff for the 25-year storm event at non-erosive velocities that are less than six (6) feet per second.

The following is a summary of the site's history in relation to the Edwards Aquifer Protection Program:

- A Water Pollution Abatement Plan (WPAP) submitted by Pape-Dawson Engineers under EAPP ID No. 1100058, approved May 26, 2017, was initially submitted for this project site in 2017. In total, it covered a project limit area of 48.97-acres which included the entirety of the <u>41.97-acre platted lot</u> (Williamson County Appraisal District Account R-20-5660-000-001) having additional offsite acreage for temporary erosion control measures. The previously submitted "Temporary Water Pollution Abatement Plan" Sheet 51, which is included as part of Attachment F of this modification's Section TCEQ-0600 Permanent Stormwater Section, depicts the offsite 50-foot vegetative buffer. Upon construction of the permanent BMPs, as shown on Sheet 53 "Permanent Water Pollution Abatement Plan by Pape-Dawson Engineers, the 50-foot vegetative buffer was subsequently removed. The original approval included a water quality pond (aka. sand filter basin) and two 15-foot vegetative filter strips. Based on the Table on Sheet 53, the water quality basin was constructed to capture drainage from watershed area "C", having a total watershed area of 22.88-acres and accounted for an impervious coverage of 21.65-acres within watershed "C".
- A Sewage Collection System (SCS) was approved on July 10, 2017 (EAPP ID #11000671) for the construction of over 1,400 LF of sewer line for an expected domestic wastewater flow of 5,000 gallons per day. (Note: This submittal does not require utility improvements and therefore, no modifications to the approved Sewage Collection System Plan (SCS) are currently proposed). Potable water service is provided by the City of Georgetown. Wastewater is disposed of by the San Gabriel Wastewater Treatment Plant.
- A modification of the original WPAP was approved on August 20, 2021 (EAPP ID #11002544) for the construction
 of a new track shop and rental facility and included site concrete pavement and gravel base yard for site parking,
 circulation, and storage of construction equipment. This project added 4.47-acres of impervious cover within a 5.6acre limit of construction.
- A second modification (EAPP ID# 11002716) was approved on December 10, 2021, for the expansion of the construction equipment gravel base yard. The gravel base yard added an additional impervious cover of 1.94acres within a 2.2-acre limit of construction.
- A third modification (EAPP ID# 11003404 and EAPP ID# 11003405) was approved on February 17, 2023 which
 was for the construction of a Pre-Engineered Metal Building (PEMB) and a 1,200 gallon Above Ground Storage
 Tank (AST). This Project had a net zero increase in impervious area.

As mentioned above, the original WPAP approval included the construction of one (1) Sand Filter Basin and two (2) fifteen- feet (15') engineered vegetative filter strips to meet Permanent Best Management Practices (PBMPs) for the site. These PBMPs were installed with the original construction and are currently in operation at the project site. According to the original WPAP, all PBMPs were designed in accordance with TCEQ's Technical Guidance Manual



RG-348 (2005) to remove 80% of the increase in Total Suspended Solids (TSS) required by TCEQ and 85% per City of Georgetown guidelines.

The Sand Filter Basin was designed for a watershed area of 22.88-acres (Watershed "C") with 21.65-acres of impervious cover within the watershed. Based on the original WPAP approval and the three subsequent modifications, the current existing impervious cover discharging to the basin is 19.13-acres and includes the 12.72-acres of impervious cover within Watershed "C" that was built with the original construction project, the 4.47-acres of impervious cover associated with the first approved modification, and the 1.94-acres from the second and third modifications.

The current addition is for the construction of 49 additional parking spaces, located southeast of the existing dealership building, increasing the current impervious cover by **0.32-acres**. Therefore, the total existing and proposed impervious cover applied to the sand filter basin increases to **19.45-acres**, which is below the 21.65-acres the sand filter basin was originally designed for.



GEOLOGIC ASSESSMENT FORM (TCEQ-0585)



Environmental Services, Inc.

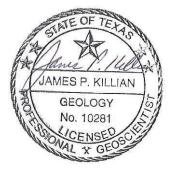
GEOLOGIC ASSESSMENT APPROXIMATELY 75-ACRE GEORGETOWN TRACT BETWEEN AIRPORT ROAD AND INTERSTATE 35 GEORGETOWN, WILLIAMSON COUNTY, TEXAS HJN 160186 GA

PREPARED FOR:

BEFCO ENGINEERING, INC. LA GRANGE, TEXAS

PREPARED BY:

HORIZON ENVIRONMENTAL SERVICES, INC. TBPG FIRM REGISTRATION NO. 50488



NOVEMBER 2016

160186 75 ac Georgetown Tract GA

CORPORATE HEADQUARTERS 1507 S Interstate 35 ★ Austin, TX 78741-2502 ★ (512) 328-2430 ★ www.horizon-esi.com Certified WBE/HUB/DBE/SBE



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I. GEOLOGIC ASSESSMENT FORM (TCEQ-0585)

II. ATTACHMENTS:

- A GEOLOGIC ASSESSMENT TABLE
- B STRATIGRAPHIC COLUMN
- C DESCRIPTION OF SITE GEOLOGY
- D SITE GEOLOGIC MAP
- E SUPPORTING INFORMATION
- F ADDITIONAL SITE MAPS
- G SITE PHOTOGRAPHS
- H ADDITIONAL DATA

Geologic Assessment

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Geologist: James Killian

Telephone: 512 328-2430

Date: 14 October 2016

Fax: 512 328-1804

Representing: <u>Horizon Environmental Services, Inc. and TBPG Firm Registration No. 50488</u> (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Jullie



Regulated Entity Name: <u>75-acre tract, between Airport Road & I-35, Georgetown, Williamson</u> <u>Co., Texas</u>

Project Information

- 1. Date(s) Geologic Assessment was performed: 10 October 2016
- 2. Type of Project:

\ge	WPAP
\bowtie	SCS

- 3. Location of Project:
 - Recharge Zone
 - Transition Zone

Contributing Zone within the Transition Zone

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

Soil Name	Group*	Thickness(feet)
Crawford clay, 0-1% slopes (CfA)	D	1 to 3
Denton silty clay, 1-3% slopes (DnB)	D	1 to 3
Denton silty clay, 3-5% slopes (DnC)	D	1 to 3
Eckrant cobbly clay, 1-8% slopes (EaD)	D	1 to 3

Table 1 - Soil Units, InfiltrationCharacteristics and Thickness

Soil Name	Group*	Thickness(feet)
Houston Black clay, 0-1%		
slopes (HuA)	D	4 to 6

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

Applicant's Site Plan Scale: 1" = <u>200</u>' Site Geologic Map Scale: 1" = <u>200</u>' Site Soils Map Scale (if more than 1 soil type): 1" = <u>500</u>'

- 9. Method of collecting positional data:
 - Global Positioning System (GPS) technology.
 - Other method(s). Please describe method of data collection: _____
- 10. The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
- 11. Surface geologic units are shown and labeled on the Site Geologic Map.
- 12. Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
 - Geologic or manmade features were not discovered on the project site during the field investigation.
- 13. The Recharge Zone boundary is shown and labeled, if appropriate.
- 14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
 - There are $\underline{2}$ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
 - \boxtimes The wells are not in use and have been properly abandoned.
 - The wells are not in use and will be properly abandoned.
 - igtie 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

	LOCATIC	DN				FEATURE CHARACTERISTICS									EVALUATION			PHYSICAL		. SETTIN
1A	1B *	1C*	2A	2B	3		4		5	5A	6	7	8A	8B	9	1	10	1	1	12
EATURE 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		ENT AREA RES)	TOPOGRAPH
						Х	Υ	Z		10						<40	<u>>40</u>	<1.6	<u>>1.6</u>	
F-1	30.507961	97.676469	F	20	Qt/Kdg	250	10		N15E	10			C,F,O	7	37	Х		Х		Hillsid
M-1	30.67615	97.67615	MB	30	Kdg/Ked	0.2	0.2	-		0			N, X	5	35	Х		Х		Hillsid
M-2	30.6762	97.66866	MB	30	Qt/Ked	0.2	0.2			0			N, X	5	35	Х		Х		Hillsid
DATUN	1:																			
A TYPE		TYPE			2B POINTS						8	A INFILL	.ING							
	Cave				30	N None, exposed bedrock														
С	Solution cavity				20		С	Coar	se - cobb	les, t	oreakdo	wn, sand	, gravel							
F	Solution-enlarge	ed fracture(s)			20		0	Loos	e or soft r	nud	or soil, d	organics,	leaves, sti	cks, dark co	olors					
	Fault				20		F	Fines	, compac	cted of	clay-rich	sedimer	nt, soil prof	ile, gray or r	ed colo	s				
)	Other natural bedrock features 5						V	Vege	tation. Gi	ve de	etails in	narrative	descriptio	n						
В	Manmade feature in bedrock 30						FS	Flows	stone, cer	ment	s, cave	deposits								
W	Swallow hole 30							Othe	r material	s: M-	1 plugo	ged & ab	andoned	well; M-2 ce	emente	d well	casin	g		
н	Sinkhole				20															
D	Non-karst close	d depression			5									POGRAPH						
	Zone. clustered	or aligned featu	ires		30				Clif	f. H	lilltop	, Hillsi	de, Dra	inage, I	Flood	plair	n. St	ream	nbed	



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. Date : October 10, 2016

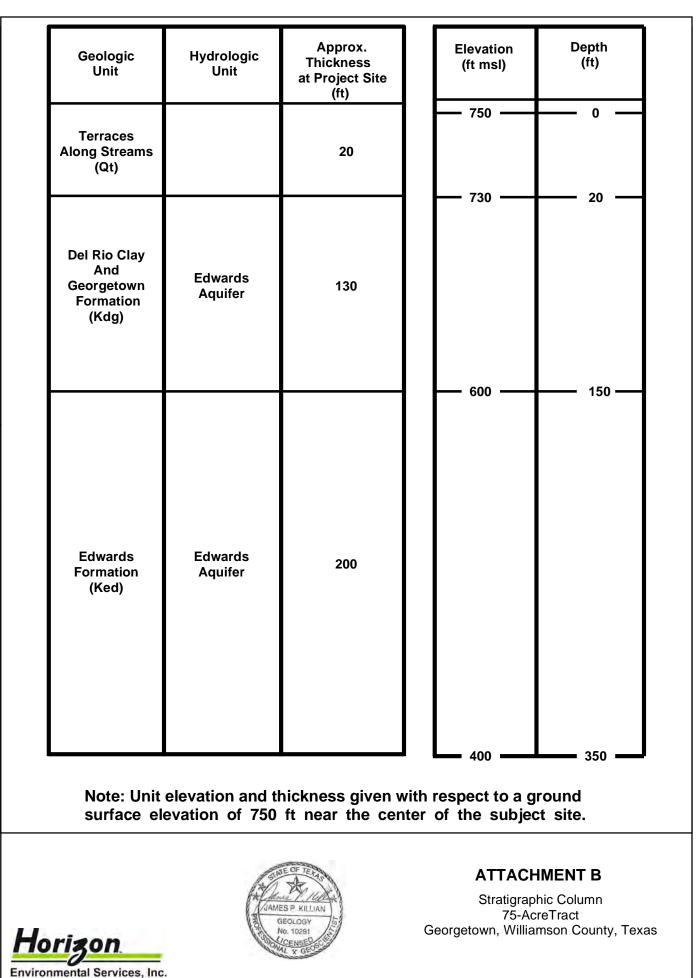
Jame P. Willen

Sheet <u>1</u> of <u>1</u>

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



ATTACHMENT B STRATIGRAPHIC COLUMN



160186 - Holt Cat Georgetown\Graphics\160186A12GA_Strat.mxd | GLS | 10-27-2016



ATTACHMENT C DESCRIPTION OF SITE GEOLOGY

Geologic information for the subject site obtained via literature review is provided in Attachment E, Supporting Information.

A geologic assessment of the 75-acre Georgetown Tract was conducted pursuant to Texas rules for regulated activities on the Edwards Aquifer Recharge Zone (EARZ) (30 TAC 213). The subject site is a rural homestead with open pastureland and farmland located between Airport Road and Interstate 35, in Georgetown, Williamson County, Texas. Assessment findings were used to develop recommendations for site construction measures intended to be protective of water resources at the subject site and adjacent areas.

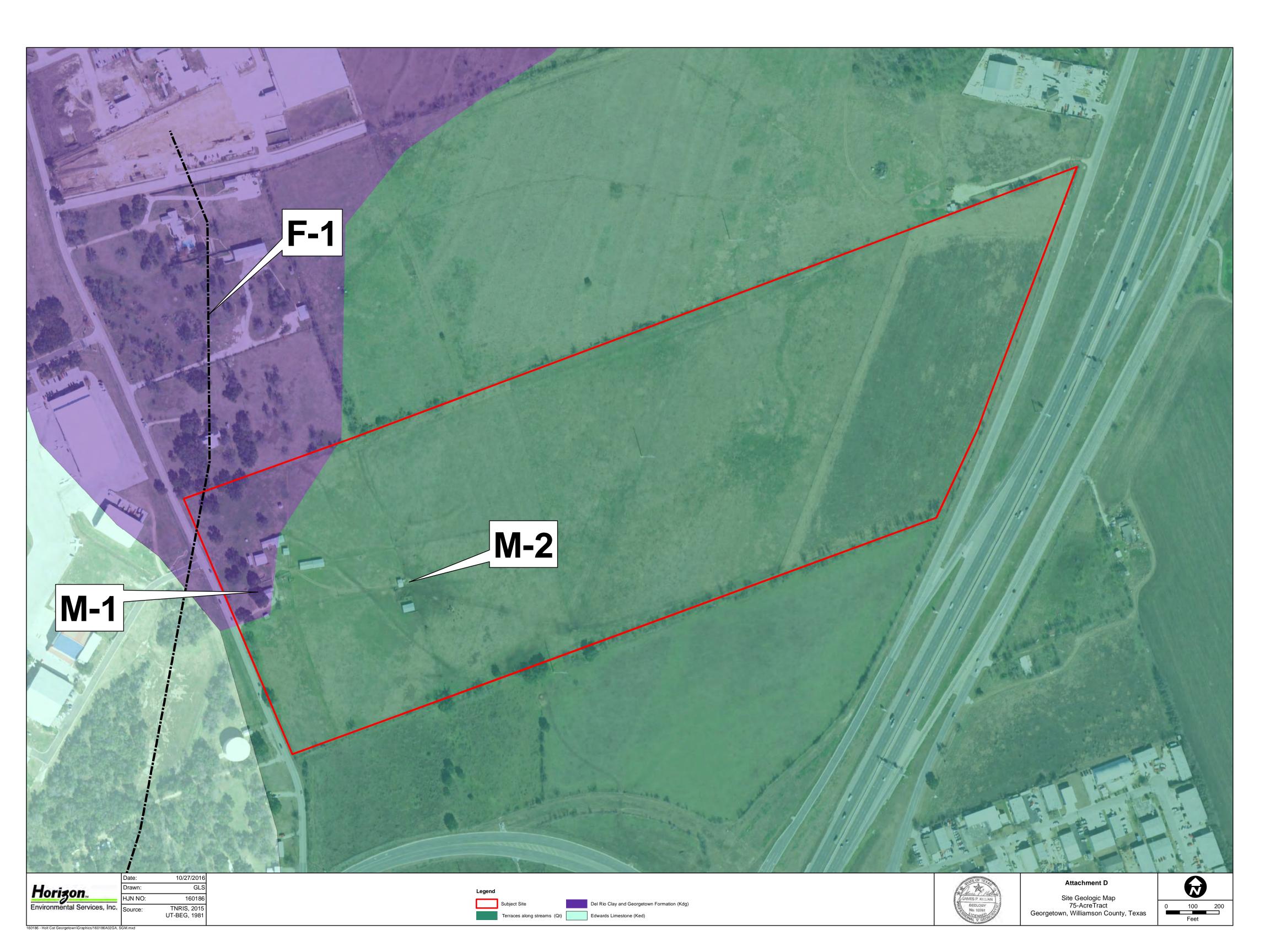
The entire subject site is located within the EARZ, as defined by the Texas Commission on Environmental Quality (TCEQ). The EARZ occurs where surface water enters the subsurface through exposed limestone bedrock containing faults, fractures, sinkholes, and caves.

Most of the subject site has thin, overlying deposits of Terraces along Streams (Qt). Additionally, a small portion located near the northwestern corner of the site is underlain by the Del Rio Clay and Georgetown Formation undivided (Kdg) (UT-BEG 1981). Underlying the Del Rio Clay and Georgetown Formation undivided is the Edwards Limestone (Ked).

One natural geologic feature (fault, F-1) and 2 manmade features (water wells, M-1 and M-2) were identified at the subject site. Further information pertaining to the geologic and manmade features is presented in the following Attachments D, E, and F. Photographs of the subject site are presented in Attachment G.



ATTACHMENT D SITE GEOLOGIC MAP





ATTACHMENT E SUPPORTING INFORMATION

1.0 INTRODUCTION AND METHODOLOGY

This report and any proposed abatement measures are intended to fulfill Texas Commission on Environmental Quality (TCEQ) reporting requirements (TCEQ, 2005). This geologic assessment includes a review of the subject site for potential aquifer recharge and documentation of general geologic characteristics for the subject site. Horizon Environmental Services, Inc. (Horizon) conducted the necessary field and literature studies according to TCEQ *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones* (TCEQ, 2004).

Horizon walked transects spaced less than 50 feet apart, mapped the locations of features using a sub-foot accurate Trimble Geo HX handheld GPS, and posted processed data utilizing GPS Pathfinder Office software, topographic maps, and aerial photographs. Horizon also searched the area around any potential recharge features encountered to look for additional features. When necessary, Horizon removed loose rocks and soil (by hand) to preliminarily assess each feature's subsurface extent while walking transects. However, labor-intensive excavation was not conducted during this assessment. Features that did not meet the TCEQ definition of a potential recharge feature (per TCEQ, 2004), such as surface weathering, karren, or animal burrows, were evaluated in the field and omitted from this report.

The results of this survey do not preclude the possibility of encountering subsurface voids or abandoned test or water wells during the clearing or construction phases of the proposed project. If a subsurface void is encountered during any phase of the project, work should be halted until the TCEQ (or appropriate agency) is contacted and a geologist can investigate the feature.

2.0 ENVIRONMENTAL SETTING

2.1 LOCATION AND GENERAL DESCRIPTION

The subject site is located between Airport Road and Interstate 35, in Georgetown, Williamson County, Texas (Attachment F, Figure 1). The subject site consists of approximately 75 acres of open pastureland and farmland located within an area that is experiencing rapid residential and commercial development. A rural homestead with associated livestock pens and work sheds is located at the west side of the site.

2.2 LAND USE

Current land use on the subject site is agricultural and rural single-family residential. Pastureland for cattle grazing occurs on the majority of the site, and an unoccupied one-story house is located on the western portion of the Property. The eastern portion of the site is cropland for livestock feed (hay production). Surrounding lands are generally used for single-family residential, agricultural, and/or retail commercial purposes.



2.3 TOPOGRAPHY AND SURFACE WATER

The subject site is situated on gently sloping terrain within the San Gabriel River watershed (Attachment F, Figures 2 and 3). Surface elevations on the subject site vary from a minimum of approximately 730 feet above mean sea level, within an unnamed tributary of Pecan Branch near the west side of the site, to a maximum of approximately 750 feet above mean sea level near the center (USGS, 1986). Drainage on the site occurs primarily by overland sheet flow from north to south into Pecan Branch, which eventually drains into Berry Creek.

2.4 EDWARDS AQUIFER ZONE

The subject site is within the Edwards Aquifer Recharge Zone (TCEQ, 2016) (Attachment F, Figure 2). The Recharge Zone is described as an area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer.

2.5 SURFACE SOILS

Six soil units are mapped within the subject site (NRCS, 2016) (Attachment F, Figure 4). Generally, the soil series are similar in their physical, chemical, and engineering properties, with the principal exception being rock fragment content and thickness. The soil units are described in further detail below.

Crawford clay (CfA) is on foot slopes and shallow valleys on uplands. The surface layer is neutral, dark grayish-brown clay about 6 inches thick. The layer below, to 32 inches, is neutral, dark brown clay. The substratum is fractured, whitish limestone. This soil is well drained, and permeability is very slow. Surface runoff is slow, and the available water capacity is low (NRCS, 2016).

Denton silty clay (DnB) is in shallow valleys and narrow drainageways on uplands. The surface layer is dark brown, silty clay about 33 inches thick. The layer below, to 36 inches, is very pale brown, silty clay loam. The underlying material is fractured limestone and limy material. This is a well drained and slowly permeable soil. Runoff is medium, and the available water capacity is medium (NRCS, 2016).

Denton silty clay (DnC) is in shallow valleys on short side slopes on uplands. The upper layer is dark brown, silty clay about 18 inches thick. The subsoil, to a depth of about 25 inches, is light brown, silty clay loam. The underlying material is limestone interbedded with weathered limestone and limy material. This soil is well drained, and runoff is medium. Permeability is slow, and the available water capacity is medium (NRCS, 2016).

Eckrant cobbly clay (EaD) is on undulating uplands. The surface layer is about 13 inches thick. The upper part is dark grayish-brown, cobbly clay, and the lower part is dark brown, cobbly clay. The underlying material is coarsely fractured indurated limestone. This soil is well



drained, and permeability is moderately slow. Runoff is rapid, and the available water capacity is very low (NRCS, 2016).

Houston Black clay (HuA) is on high ridges and in valleys on uplands. This soil has a dark gray, clay upper layer about 26 inches thick. The layer below, to 52 inches, is dark grayish-brown clay that has mottles of light yellowish-brown. The underlying layer, to 62 inches, is mottled reddish-yellow and brown shaly clay. This soil is moderately well drained, and permeability is very slow. Runoff is very slow because of the nearly level slope. The available water capacity is high (NRCS, 2016).

Krum silty clay (KsA) is on high terraces. This soil has a surface layer of dark grayishbrown, silty clay about 6 inches thick. The subsurface layer, to 26 inches, is very dark grayishbrown, silty clay. The subsoil, to 44 inches, is brown, silty clay. The underlying layer, to 72 inches, is reddish-yellow, silty clay that has a few concretions and soft masses of calcium carbonate. This soil is well drained, and runoff is slow. The permeability is moderately slow, and the available water capacity is high (NRCS, 2016).

2.6 WATER WELLS

A review of TCEQ and Texas Water Development Board (TWDB) records revealed no water wells on the subject site and 9 wells within 0.5 miles of the subject site (TCEQ, 2016; TWDB, 2016). According to the TWDB records, all of the wells are reportedly completed within the Edwards Aquifer at total depths ranging from 148 to 200 feet.

Two private water wells (M-1 and M-2) were observed on the subject site during Horizon's site survey. One abandoned and/or plugged well (M-1) is located immediately west of an unoccupied rock house within a concrete slab near an unused rock cistern at the western portion of the site. This well appears to have been filled and/or plugged to within about 5 feet of the concrete surface. The second private well (M-2) is located about 600 feet due east/southeast of the homestead well, near a small shed that is currently used to water livestock.

The results of this assessment do not preclude the existence of undocumented or abandoned wells on the site. If a water well or casing is encountered during construction, work should be halted near the object until the TCEQ is contacted. If any on-site wells are not intended for future use, they should be capped or properly abandoned according to the Administrative Rules of the Texas Department of Licensing and Regulation (TDLR), 16 Texas Administrative Code (TAC), Chapter 76. A plugging report must be submitted by a licensed water well driller to the TDLR Water Well Driller's Program, Austin, Texas. TCEQ publication RG-347, "Landowner's Guide to Plugging Abandoned Water Wells," provides specific guidance. If a well is intended for use, it must comply with 16 TAC §76.



2.7 GEOLOGY

Literature Review

A review of existing literature indicates most of the subject site is predominately underlain by recent (Quaternary-age) fluviatile terrace deposits (Qt – terraces along streams; i.e., gravel, sand, silt, and clay with more gravel in older, higher terraces) (UT-BEG, 1981), with an estimated maximum thickness of up to approximately 20 feet at higher surface elevations. Underlying these recent deposits is the Del Rio Clay and Georgetown Formation undivided (Kdg). This unit crops out in the northwestern corner of the subject site with an estimated maximum thickness of about 130 feet. The Del Rio Clay is calcareous and gypsiferous, becoming less calcareous and more gypsiferous upward, and pyrite is common. It is blocky, medium-gray, weathers light gray to yellowish-gray, with some thin lenticular beds of highly calcareous siltstone. Marine megafossils include abundant *Exogyra arietina* and other pelecypods; thickness ranges from 40 to 70 feet. The Georgetown Formation consists of limestone and marl. It is fine-grained, argillaceous, nodular, moderately indurated, and light gray; some limestone is hard, brittle, thick-bedded, and white. Marine megafossils include *Kingena wacoensis* and *Gryphaea washitaensis*; thickness ranges from 30 to 80 feet (UT-BEG, 1981).

The subject site is located within the Balcones Fault Zone. Available geologic reports indicate the nearest mapped fault (geologic feature F-1) traverses across the northwestern portion of the site, trending from southwest to northeast (azimuth: N10-15°E) (UT-BEG, 1981). In general, the rock strata beneath the site dip to the southeast at about 10 to 30 feet per mile. The site Stratigraphic Column is provided as Attachment B, and the Site Geologic Map is Attachment D.

Field Assessment

A field survey of the subject site was conducted by a licensed Horizon geologist on 10 October 2016. Horizon identified 1 natural geologic feature, an inactive fault (F-1), on the subject site that meets the TCEQ definition of a potential recharge feature. Two manmade features (M-1 and M-2, private water wells, previously discussed) were identified at the subject site.

Additionally, no springs or creeks were identified at the subject site. According to the Texas Parks and Wildlife Department (TPWD) Natural Diversity Database (NDD) data, there are no occupied sites for any federally listed salamander species within 1 radial mile of the subject site (TPWD, 2016).

The geologic and manmade features were evaluated for their potential to be a significant pathway for fluid movement into the Edwards Aquifer. The Geologic Assessment Table (Attachment A) summarizes this evaluation and assigns each feature's sensitivity a total point value. Features with a point value of 40 or higher are deemed to be sensitive groundwater recharge features and should be protected during site development pursuant to TCEQ rules for protection of the Edwards Aquifer (30 TAC 213).

3.0 CONCLUSIONS AND RECOMMENDATIONS

One natural geologic feature (F-1) and 2 manmade features (M-1 and M-2) were identified at the subject site. Based on assessment findings, the geologic and manmade features would not require protection or mitigation pursuant to TCEQ rules for protection of the Edwards Aquifer (30 TAC 213).

Additionally, no springs, tributaries, and/or creeks were identified within the recharge zone of the subject site that would require protection or mitigation pursuant to the City of Georgetown Edwards Aquifer Recharge Zone Water Quality Ordinance No. 2013-59.

The site generally appears well suited to development prospectuses. It should be noted that soil and drainage erosion would increase with ground disturbance. Native grasses and the cobbly content of the soil aid to prevent erosion. Soil and sedimentation fencing should be placed in all appropriate areas prior to any site-disturbing activities.

Because the subject site is located over the Edwards Aquifer Recharge Zone, it is possible that subsurface voids underlie the site. The nature of the immediate subgrade area is fault-influenced, which can result in variable-sized voids in materials that may otherwise not be noted as void- or cave-forming. If any subsurface voids are encountered during site development, work should halt immediately so that a geologist may assess the potential for the void(s) to provide meaningful contribution to the Edwards Aquifer.



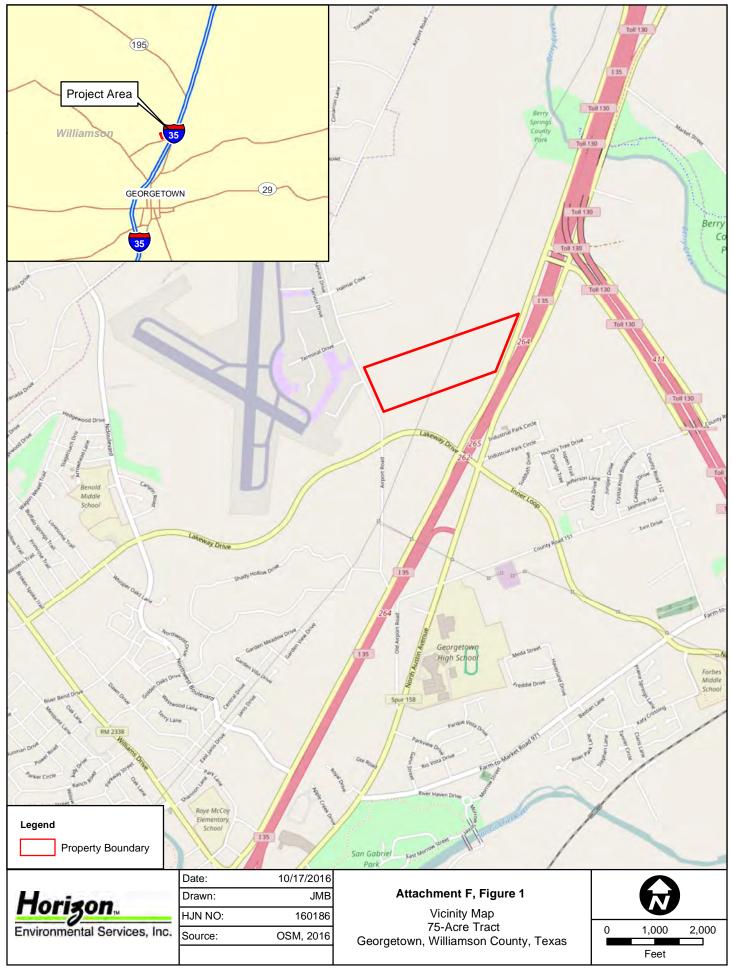
vironmental Services, Inc.

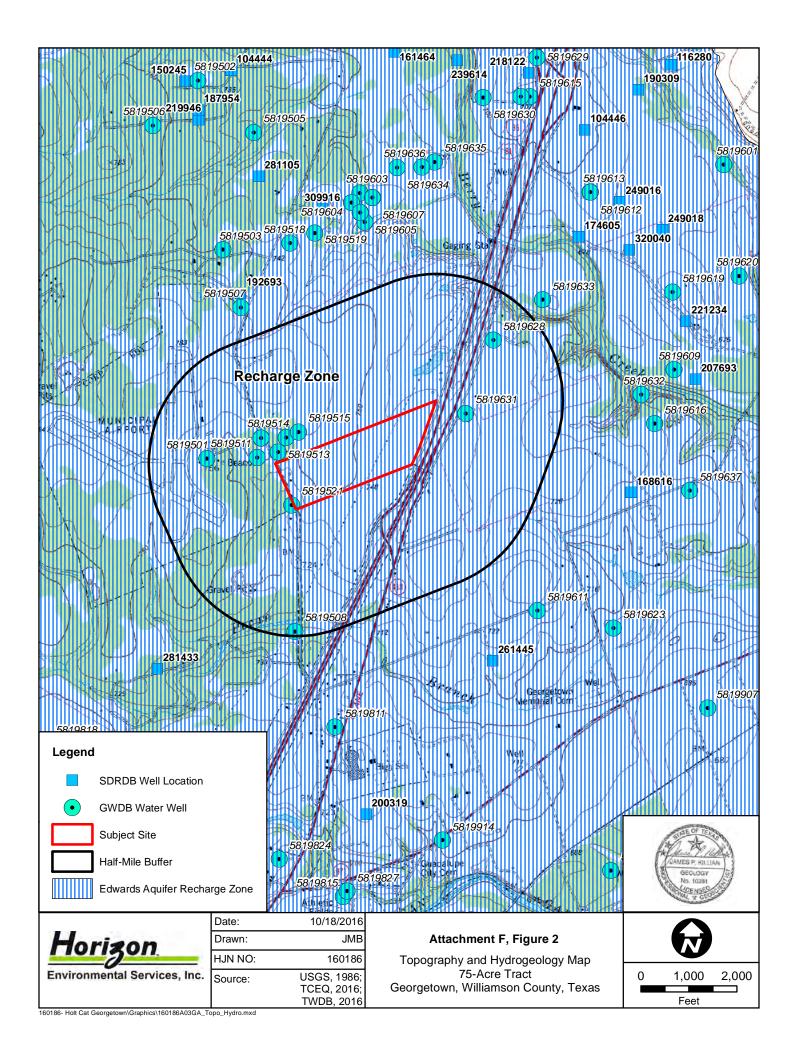
4.0 REFERENCES

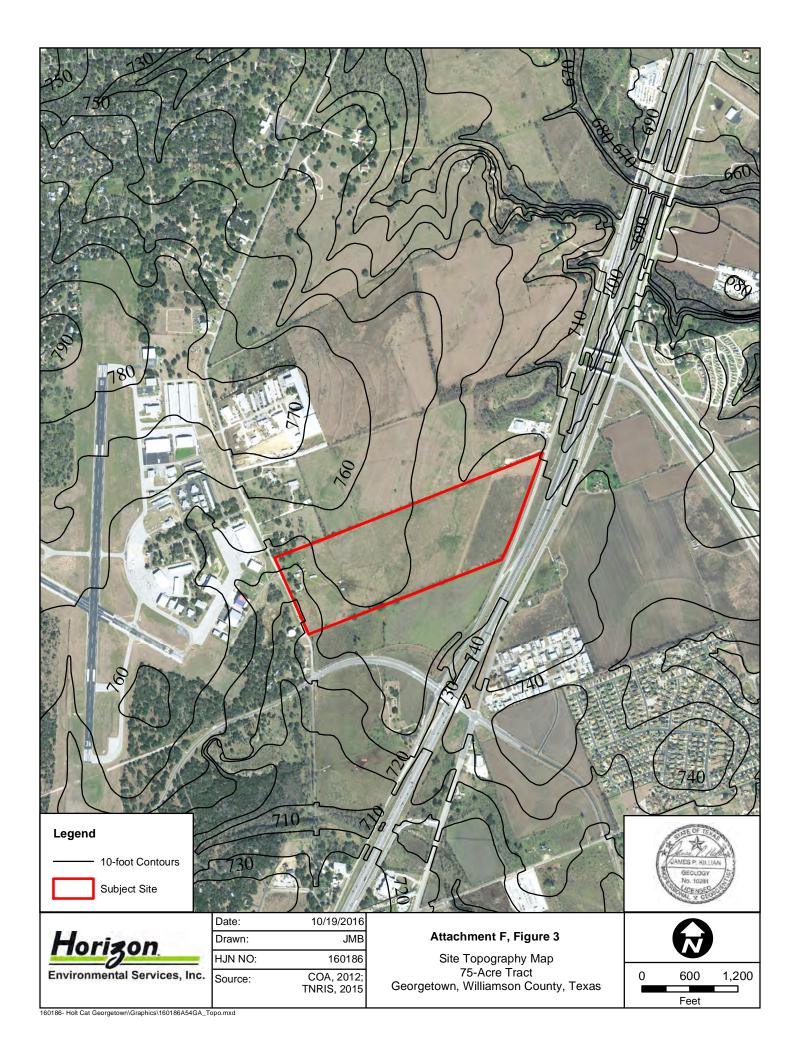
- (COA) City of Austin. GIS Data Sets, Year 2003 2-foot contours of the City of Austin and ETJ only, <ftp://ftp.ci.austin.tx.us/GIS-Data/Regional/coa gis.html>. Updated by City of Austin 2012.
- (OSM) OpenStreetMap contributors. Open Street Map, http://www.openstreetmap.org>. Available under the Open Database License (www.opendatacommons.org/ licenses/odbl). Accessed 7 October 2016.
- (NRCS) Natural Resources Conservation Service (formerly the Soil Conservation Service) US Department of Agriculture, Engineering Division. Soil Series and Hydrologic Soil Groups of Urban Hydrology for Small Watersheds, Technical Release No. 55. January 1975.
- Web Soil Survey, <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey. aspx>. Accessed 26 October 2016.
- (TCEQ) Texas Commission on Environmental Quality. Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones. Revised October 2004.
- . Edwards Aguifer Protection Program. Edwards Aguifer Viewer, http://www.tceg.state. tx.us/field/eapp/viewer.html>. Accessed 27 October 2016.
- (TNRIS) Texas Natural Resources Information System. Texas Orthoimagery Program. Williamson County, Texas. 2015.
- (TPWD) Texas Parks and Wildlife Department. Natural Diversity Database, T/E and Rare Species Elemental Occurrences. Wildlife Division, Habitat Assessment Program, Austin, Texas. 3 March 2016.
- (TWDB) Texas Water Development Board. Water Information Integration and Dissemination System. TWDB Groundwater Database (ArcIMS), <http://wiid.twdb.state.tx.us/ ims/wwm drl/viewer.htm?>. Accessed 26 October 2016.
- (USGS) US Geological Survey. 7.5-minute series topographic maps, Georgetown, Texas quadrangle, 1986.
- (UT-BEG) University of Texas Bureau of Economic Geology, C.V. Proctor, Jr., T.E. Brown, J.H. McGowen, N.B. Waechter, and V.E. Barnes. Geologic Atlas of Texas, Austin Sheet, Francis Luther Whitney Memorial Edition. 1974; revised 1981.
- Werchan, L. E., and J. L. Coker. Soil survey of Williamson County, Texas. Soil Conservation Service, US Department of Agriculture, Washington, D.C. 1983.

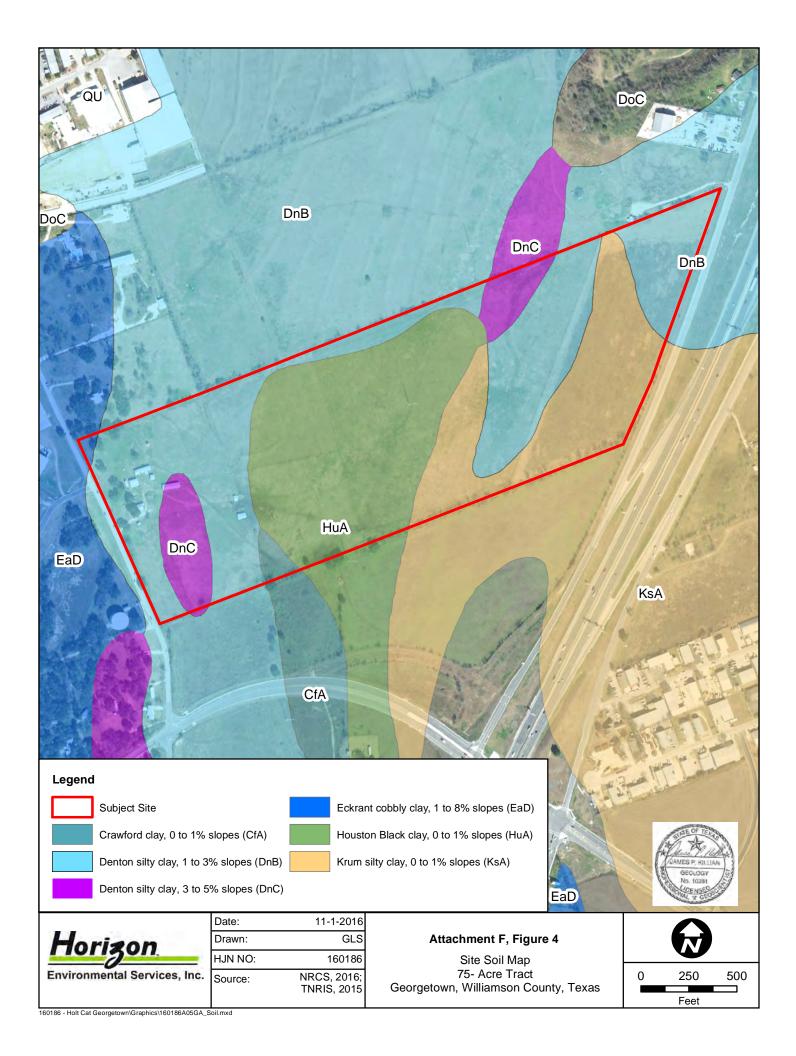
ATTACHMENT F

ADDITIONAL SITE MAPS











ATTACHMENT G

SITE PHOTOGRAPHS





PHOTO 1 View of subject site along Airport Road, location of buried inactive fault (F-1) in background, facing north



PHOTO 2 Opposite view along Airport Road, facing south



PHOTO 3 View of old homestead area with private water well (M-1) near unused rock cistern, facing northeast



PHOTO 4 View of second private water well (M-2, next to golf cart) at work shed near west central part of site, facing northwest



ATTACHMENT H

ADDITIONAL DATA

Surface Soils, continued from GA worksheet, Table 1:

Soil Series Unit Names, Infiltration Characteristics & Thickness			
Soil Series Unit Name & Subgroup**	Group*	Thickness (feet)	
Krum silty clay, 0-1% slopes (KsA)	D	4 to 6	

	*Soil Hydrologic Groups Definitions (Abbreviated)
Α.	Soils having a <u>high infiltration</u> rate when thoroughly wetted.
В.	Soils having a <u>moderate</u> <u>infiltration</u> rate when thoroughly wetted.
C.	Soils having a <u>slow infiltration</u> rate when thoroughly wetted.
D.	Soils having a <u>very slow</u> <u>infiltration</u> rate when thoroughly wetted.
**Subgroup Classification – See <u>Classification of Soil Series</u> Table in County Soil Survey.	



MODIFICATION OF A PREVIOUSLY APPROVED PLAN (TCEQ-0590)

Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Stephen Lin, P.E



Original Regulated Entity Name: <u>Holt Cat Georgetown</u> Regulated Entity Number(s) (RN): <u>109697664</u>

Edwards Aquifer Protection Program ID Number(s): 11000585

- igtimes The applicant has not changed and the Customer Number (CN) is: 601186745
- The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
- 2. X Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.

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

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

- Change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
- Development of land previously identified as undeveloped in the original water pollution abatement plan;
 - Physical modification of the approved organized sewage collection system;
 - Physical modification of the approved underground storage tank system;
 - Physical modification of the approved aboveground storage tank system.
- 4. Summary of Proposed Modifications (select plan type being modified). If the approved plan has been modified more than once, copy the appropriate table below, as necessary, and complete the information for each additional modification.

WPAP Modification	Approved Project	Proposed Modification
Summary		
Acres	<u>48.67</u>	48.67, no changes
Type of Development	<u>Commercial</u>	Commercial, no changes
Number of Residential	<u>N/A</u>	N/A no changes
Lots		
Impervious Cover (acres)	<u>26.09</u>	<u>26.41</u>
Impervious Cover (%	<u>53.6</u>	<u>53.92</u>
Permanent BMPs	Sand Filter/VFS	Sand Filter/VFS
Other	<u>N/A</u>	<u>N/A, no change</u> s
SCS Modification	Approved Project	Proposed Modification
Summary		
Linear Feet		
Pipe Diameter		
Other		

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

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

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

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



ATTACHMENT A: APPROVAL LETTERS / APPROVED MODIFICATION LETTERS

ID #	DATE	ITEM
11000585	MAY 26,2017	WPAP (ORIGINAL)
11002544	AUGUST 20,2021	WPAP MOD (#1)
11002716	DECEMBER 10,2021	WPAP MOD (#2)
11003404	FEBRUARY 17, 2023	WPAP MOD (#3)





Deed Recordation Affidavit

Edwards Aquifer Protection Plan

THE STATE OF TEXAS §

County of Bexav §

BEFORE ME, the undersigned authority, on this day personally appeared <u>Charles Stickland</u> who, being duly sworn by me deposes and says:

- (1) That my name is <u>Charles Stickland</u> and that I own the real property described below.
- (2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on <u>May 26, 2017</u>.

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

(4) The said real property is located in <u>Williamson</u> County, Texas, and the legal description of the property is as follows:
Soo Exhibit P attached bergte and made a part hereof

See Exhibit B attached hereto and made a part hereof

LANDOWNER-AFFIANT

SWORN AND SUBSCRIBED TO before me, on this 2^{nd} day of $\sqrt{2017}$.

THE STATE OF 8 County of Berav

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

GIVEN under my hand and seal of office on this 2 day of _____, ____.



lisa). ビ)

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 2,02-2019

Bryan W. Shaw, Ph.D., P.E., *Chairman* Toby Baker, *Commissioner* Jon Niermann, *Commissioner* Richard A. Hyde, P.E., *Executive Director*



Exhibit "A"

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 26, 2017

Mr. Charles C. Strickland Holt Texas, Ltd, DBA Holt CAT P.O. Box 207916 San Antonio, Texas 78220-7916

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Holt Cat; located 1.1 miles south of exit 265 along the western frontage road of IH 35, Georgetown, Texas

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

Edwards Aquifer Protection Program ID No. 11000585; Regulated Entity No. RN109697664

Dear Mr. Strickland:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Application for the above-referenced project submitted to the Austin Regional Office by Pape-Dawson Engineers, Inc. on behalf of Holt Texas, Ltd. (DBA Holt CAT) on March 8, 2017. Final review of the WPAP was completed after additional material was received on May 17, 2017 and May 26, 2017. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

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Mr. Charles C. Strickland Page 2 May 26, 2017

PROJECT DESCRIPTION

The proposed non-residential project will have an area of approximately 48.67 acres. It will include a commercial heavy equipment sales facility with three buildings, parking, drives, and associated appurtenances. The impervious cover will be 26.09 acres (53.6 percent). Project wastewater will be disposed of by conveyance to the existing San Gabriel Wastewater Treatment Plant.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a partial sedimentation/filtration basin and engineered vegetative filter strips, designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best</u> <u>Management Practices (2005)</u>, will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 22,526 pounds of TSS generated from the 26.09 acres of impervious cover.

The individual treatment measures will consist of a partial sedimentation/filtration basin and engineered vegetative filter strips (VFS). The sedimentation/filtration basin is designed as a single chamber basin and will treat stormwater from 22.88 acres. The required TSS removal for the 22.88 acres is 18,661 pounds; the basin is designed to treat 18,888 pounds of TSS. The total required capture volume is 115,490 ft³; the basin is designed to capture 209,524 ft³. The required sand area is 11,549 ft² which includes an additional 20 percent to account for the single chamber design. The provided sand area is 18,478 ft². The VFS will be used to treat TSS from 4.1 acres (2.95 acres impervious cover). The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

<u>GEOLOGY</u>

According to the Geologic Assessment included with the application, soils at the site include Crawford clay, Denton silty clay, Eckrant cobbly clay, and Houston black clay. The surficial units include Quaternary terrace deposits, Del Rio Clay, and Georgetown Formation. No sensitive features were identified. The Austin Regional Office site assessment conducted on April 25, 2017 revealed the site to be generally as described.

STANDARD CONDITIONS

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

Mr. Charles C. Strickland Page 3 May 26, 2017

In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

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

Mr. Charles C. Strickland Page 4 May 26, 2017

During Construction:

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

After Completion of Construction:

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

Mr. Charles C. Strickland Page 5 May 26, 2017

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

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact James "Bo" Slone, P.G. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,

Shawn Stewart, Water Section Manager Austin Region Office Texas Commission on Environmental Quality

SS/jcs

Enclosure:

Deed Recordation Affidavit, Form TCEQ-0625

Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263 Mr. Charles C. Strickland Page 6 May 26, 2017

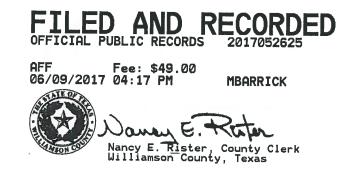
cc: Mr. Matt Johnson, P.E. Pape-Dawson Engineers, Inc. 2000 NW Loop 410 San Antonio, Texas 78213

Mr. Ed Polasek, Transportation Services Director, Georgetown Utility Systems, City of Georgetown

Mr. Terron Evertson, P.E., County Engineer, Williamson County The Honorable Dan A. Gattis, County Judge, Williamson County TCEQ Central Records, Building F, MC 212

EXHIBIT "B"

SITE KNOWN IN THE SURVEY OF 44.245 ACRE TRACT SITUATED IN THE DAVID WRIGHT LEAGUE, A-13, IN WILLIAMSON COUNTY, TEXAS, ALSO BEING WITHIN THE CORPORATE LIMITS OF THE CITY OF GEORGETOWN, AND BEING A PART OF THAT TRACT DESCRIBED A 75.330 ACRES IN A DEED FROM KENNETH GARRETT, ET UX, TO HOLT TEXAS, LTD., ET AL, DATED JANUARY 27, 2017 AND RECORDED IN DOCUMENT NO. 2017008885 OF THE WILLIAMSON COUNTY OFFICIAL PUBLIC RECORDS



2021130404 AFF Total Pages: 7

Deed Recordation Affidavit Edwards Aguifer Protection Plan

THE STATE OF TEXAS §

County of <u>BEXAR</u> §

MICHAEL PURYEAR WITH

BEFORE ME, the undersigned authority, on this day personally appeared <u>HOLT TEXAS LTD.</u> who, being duly sworn by me, deposes and says:

- (1) That my name is MICHAEL PURYEAR and that I own the real property described below.
- (2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on <u>AUGUST 20, 2021</u>.

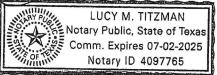
A copy of the letter of approval from the TCEQ is attached to this affidavit as Exhibit A and is incorporated herein by reference.

(4) The said real property is located in <u>WILLIAMSON</u> County, Texas, and the legal description of the property is as follows:

SEE EXHIBIT "B" ATTACHED HERETO AND MADE A PART HEREOF

LANDOWNER-AFFIANT MICHEAL PURYEAR

SWORN AND SUBSCRIBED TO before me, on this _ day of <u>AUG</u>, <u>2021</u>.



THE STATE OF TEXAS §

County of _____BEXAR____§

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

GIVEN under my hand and seal of office on this day of AversT, 202

Typed or Printed Name of Notary MY COMMISSION EXPIRES

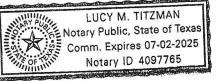


EXHIBIT A

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 20, 2021

Mr. Michael Puryear Holt Texas Ltd. DBA Holt Cat PO Box 207916 San Antonio, TX 78220

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Holt Cat Georgetown; Located at 2101 Airport Rd.; Georgetown, Texas

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

Edwards Aquifer Protection Program ID No. 11002544; Regulated Entity No. RN109697664

Dear Mr. Puryear:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Modification for the above-referenced project submitted to the Austin Regional Office by BEFCO Engineering, Inc. on behalf of Holt Texas Ltd. DBA Holt Cat on June 2, 2021. Final review of the WPAP-MOD was completed after additional material was received on August 10, 2021. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

On May 26, 2017 a WPAP approval letter was issued for Holt Cat (EAPP ID: 11000585). The approval was for the construction of a 3-building heavy equipment sales facility with associated parking, drives, and associated appurtenances on 48.67 acres.

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Mr. Michael Puryear Page 2 August 20, 2021

PROJECT DESCRIPTION

The proposed project will have an area of approximately 48.67 acres. The modification includes the addition of a track shop and rental facility with associated parking and a base yard for construction equipment storage. The impervious cover increase for this project will be 4.47 acres. The total impervious cover for the site after modification will be 19.12 acres (39.28 percent). Project wastewater will be disposed of by conveyance to the existing San Gabriel Wastewater Treatment Plant.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an existing sedimentation filtration basin and engineered vegetative filter strips (EAPP ID: 11000585), designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)</u>, will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 16,642 pounds of TSS generated from the 19.12 acres of impervious cover.

GEOLOGY

According to the Geologic Assessment included with the application, the surficial geologic unit underlying the site is the Georgetown Formation, Del Rio Clay, and Quaternary terrace deposits. There are no natural sensitive features on site. The Austin Regional Office site assessment conducted on July 20, 2021 revealed the site to be generally as described by the Geologic Assessment.

SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated May 26, 2017.
- II. All sediment and/or media removed from the permanent BMP during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

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

Mr. Michael Puryear Page 3 August 20, 2021

Prior to Commencement of Construction:

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

During Construction:

- 10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.

Mr. Michael Puryear Page 4 August 20, 2021

- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

- 18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.
- 19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

Mr. Michael Puryear Page 5 August 20, 2021

- 21. An Edwards Aquifer protection plan approval or extension will expire, and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Ryan Soutter of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely, illian Butles

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

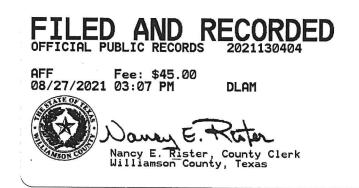
LIB/rts

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

CC: Joseph Willrich P.E., BEFCO Engineering, Inc.

EXHIBIT "B"

SITE KNOWN IN THE SURVEY OF 44.245 ACRE TRACT SITUATED IN THE DAVID WRIGHT LEAGUE, A-13, IN WILLIAMSON COUNTY, TEXAS, ALSO BEING WITHIN THE CORPORATE LIMITS OF THE CITY OF GEORGETOWN, BEING A PART OF THAT TRACT DESCRIBED A 75.330 ACRES IN DEED FROM KENNETH GARRETT, ET UX, TO HOLT TEXAS, LTD., ET AL, DATED JANUARY 27, 2017 AND RECORDED IN DOCUMENT NO. 2017008885 OF THE WILLIAMSON COUNTY OFFICIAL PUBLIC RECORDS, AND BEING HOLT CAT SUBDIVISION – LOT 1 AND RECORDED IN DOCUMENT NO. 2018016666 OF THE WILLIAMSON COUNTY OFFICIAL PUBLIC RECORDS.



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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 10, 2021

Mr. Michael Puryear Holt Texas, Ltd. DBA Holt Cat P.O. Box 207916 San Antonio, Texas 78220

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Holt Cat Georgetown; Located at 2101 Airport Rd.; Georgetown, Texas

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

Edwards Aquifer Protection Program ID No. 11002716; Regulated Entity No. RN109697664

Dear Mr. Puryear:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP-MOD for the above-referenced project submitted to the Austin Regional Office by BEFCO Engineering, Inc. on behalf of Holt Texas, Ltd. DBA Holt Cat on October 8, 2021. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

BACKGROUND

A Water Pollution Abatement Plan (WPAP) was issued by letter dated May 26, 2017 (EAPP ID No. 11000585). The plan included a sedimentation/filtration basin and engineered vegetative filter strips sized to treat 26.09 acres of impervious cover. The sedimentation/filtration basin is sized to treat 21.65 acres of impervious cover. A Modification of an Approved Water Pollution Abatement Plan (WPAP-MOD) was approved by letter dated August 20, 2021 (EAPP ID No. 11002544). The WPAP-MOD added 4.47 acres of imperious cover for a total of 17.19 acres of impervious cover to the sedimentation/filtration basin.

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Mr. Michael Puryear Page 2 December 10, 2021

PROJECT DESCRIPTION

The proposed non-residential project will have an area of approximately 48.67 acres. It will include expansion of a base yard area. The approved impervious cover will be 26.09 acres (53.6 percent); 1.94 acres of new impervious cover will be conveyed to the sedimentation/filtration basin (EAPP ID No. 11000585). Project wastewater will be disposed of by conveyance to the existing San Gabriel Wastewater Treatment Plant.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a previously approved sedimentation/filtration basin and engineered vegetative filter strips (EAPP ID No. 11000585), designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)</u>, will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 22,526 pounds of TSS generated from the 26.09 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

GEOLOGY

According to the Geologic Assessment included with the application, soils at the site include Crawford clay, Denton silty clay, Eckrant cobbly clay, and Houston black clay. The surficial units include Quaternary terrace deposits and Del Rio Clay and Georgetown Formation undivided. No sensitive features were identified in the Geologic Assessment. A site assessment for the review of the approved Modification (EAPP ID No. 11002544) was conducted on July 20, 2021; TCEQ determined the site to be generally as described by the Geologic Assessment.

SPECIAL CONDITIONS

- I. This WPAP-MOD is subject to all Special and Standard Conditions listed in the WPAP and WPAP-MOD approval letters dated May 26, 2017 and August 20, 2021.
- II. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- III. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

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

Mr. Michael Puryear Page 3 December 10, 2021

Prior to Commencement of Construction:

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

During Construction:

- 10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive

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

- 13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

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

Mr. Michael Puryear Page 5 December 10, 2021

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

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact James "Bo" Slone, P.G. of the Edwards Aquifer Protection Program of the Austin Region office at (512) 339-2929.

Sincerely,

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

LIB/jcs

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

Cc: Mr. Joseph G. Willrich, P.E., BEFCO Engineering, Inc.

2023015481 AFF Total Pages: 6

Deed Recordation Affidavit Edwards Aquifer Protection Plan

THE STATE OF TEXAS

§

County of BETHER §

BEFORE ME, the undersigned authority, on this day personally appeared <u>Michael Puryear</u> who, being duly sworn by me, deposes and says:

- (1) That my name is Michael Puryone and that I own the real property described below.
- (2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on <u>02/17/2023</u>.

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

(4) The said real property is located in <u>Williamson</u> County, Texas, and the legal description of the property is as follows:

43.087 Acres, Lot 1 of the "HOLT CAT SUBDIVISION - LOT 1" Plat, filed in Williamson Co. as Doc. #2018016666.

SEC. I ANDOWNER-AFFIANT

SWORN AND SUBSCRIBED TO before me, on this ²⁰ day of <u>FEB</u>, <u>2023</u>

THE STATE OF TEXAS 8 Ş County of

AVENELL ATKINSON Notary Public, State of Texas Comm. Expires 05-12-2025 Notary ID 125547871

PUBLIC

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

GIVEN under my hand and seal of office on this TARY PUB ped or Printed Name of MY COMMISSION EXPIRES

Jon Niermann, *Chairman* Emily Lindley, *Commissioner* Bobby Janecka, *Commissioner* Erin E. Chancellor, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 17, 2023

Mr. Michael Puryear Holt Texas, Ltd. DBA Holt Cat P.O. Box 207916 San Antonio, Texas 78220

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Holt Cat Georgetown; Located at 2101 Airport Rd.; Georgetown, Texas TYPE OF PLAN: Request for Modification of an Approved Water Pollution Abatement Plan (WPAP-MOD); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer Edwards Aquifer Protection Program ID No. 11003404; Regulated Entity No. RN109697664

Dear Mr. Puryear:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP-MOD for the above-referenced project submitted to the Austin Regional Office by CDS Muery on behalf of Holt Cat on December 8, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

BACKGROUND

A Water Pollution Abatement Plan was approved by letter dated May 26, 2017 (EAPP ID No. 11000585), Two WPAP-MODs were approved by letters dated August 20, 2021 (EAPP ID No. 11002544) and December 10, 2021 (EAPP ID No.11002716).

PROJECT DESCRIPTION

The proposed non-residential project will have an area of approximately 48.67 acres. It will include the construction of a new building on existing impervious cover. The impervious cover will not increase and will remain 26.09 acres (53.6 percent). Project wastewater will be disposed of by conveyance to the existing San Gabriel Wastewater Treatment Plant.

TCEQ Region 11 • P.O. Box 13087 • Austin, Texas 78711-3087 • 512-339-2929 • Fax 512-339-3795

Mr. Michael Puryear Page 2 February 17, 2023

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an existing sedimentation/filtration basin (EAPP ID No. 11000585) and two engineered vegetative filter strips (EAPPID No. 11000585), designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)</u>, will continue to be used to treat stormwater runoff.

GEOLOGY

According to the Geologic Assessment included with the application, the site is surficially characterized by Quaternary Terrace deposits and Del Rio Clay/Georgetown Formation undivided. The TCEQ site assessment conducted on February 7, 2023 revealed the site to be generally as described.

SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated May 26, 2017 and subsequent WPAP-MODs dated August 20, 2021 and December 10, 2021.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

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

Mr. Michael Puryear Page 3 February 17, 2023

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

During Construction:

- 10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.

Mr. Michael Puryear Page 4 February 17, 2023

- 15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

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

Mr. Michael Puryear Page 5 February 17, 2023

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact James "Bo" Slone, P.G. of the Edwards Aquifer Protection Program of the Austin Region office at (512) 339-2929.

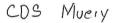
Sincerely,

Mian Butter

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

LIB/jcs

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



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> Nancy E. Rister, County Clerk Williamson County, Texas

2023015482 AFF Total Pages: 8

Deed Recordation Affidavit

Edwards Aquifer Protection Plan

THE STATE OF TEXAS §

County of BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared <u>Michael Puryear</u> who, being duly sworn by me, deposes and says:

- (1) That my name is MICHAEL PORYER and that I own the real property described below.
- (2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on <u>02/17/2023</u>.

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

(4) The said real property is located in <u>Williamson</u> County, Texas, and the legal description of the property is as follows:

43.087 Acres, Lot 1 of the "HOLT CAT SUBDIVISION - LOT 1" Plat, filed in Williamson Co. as Doc. #2018016666.

LANDOWNER-AFFIANT

SWORN AND SUBSCRIBED TO before me, on this _____ day of FEB, 2023

OTARY PUBLIC

THE STATE OF TEXAS Ş County of

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

AVENELL ATKINSON

Notary Public, State of Texas Comm. Expires 05-12-2025

GIVEN under my hand and seal of office	PARY PUBLIC VENELLATKINSON
	Ped or Printed Name of Notary COMMISSION EXPIRES: 5-12-25

Jon Niermann, *Chairman* Emily Lindley, *Commissioner* Bobby Janecka, *Commissioner* Erin E. Chancellor, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 17, 2023

Mr. Michael Puryear Holt Texas, Ltd. DBA Holt Cat P.O. Box 207916 San Antonio, Texas 78220

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Holt Cat Georgetown; Located at 2101 Airport Rd.; Georgetown, Texas TYPE OF PLAN: Request for Approval of an Aboveground Storage Tank Facility (AST); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer Edwards Aquifer Protection Program ID No. 11003405; Regulated Entity No. RN109697664

Dear Mr. Puryear:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the AST application for the above-referenced project submitted to the Austin Regional Office by CDS Muery on behalf of Holt Cat on December 8, 2022. As presented to the TCEQ, the AST Facility Plan proposed in the application was prepared to be in general compliance with the requirements of 30 TAC §213.5(e). Therefore, based on the applicant's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this approval letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer protection plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

PROJECT DESCRIPTION

The project site is located on the Edwards Aquifer Recharge Zone. The proposed AST Facility Plan includes one 1,200-gallon double-walled steel UL-2085 fireguard tank. The tank consists of a primary tank within a sealed secondary tank. The outer tank dimensions will be 7.83 feet in width and 5.83 feet in length. The interstitial area between the two tanks will contain any product leaks from the primary tank. Additionally, the described AST is to be placed within the containment area with inside dimensions of 22 feet in length by 9 feet in width by 0.5 feet in depth as secondary containment for the piping and its associated volume. Any spillage will be directed to a convenient point within the containment structure for collection and recovery. Any stormwater accumulating inside the containment structure must be disposed of through an authorized waste disposal contractor.

TCEQ Region 11 • P.O. Box 13087 • Austin, Texas 78711-3087 • 512-339-2929 • Fax 512-339-3795

Mr. Michael Puryear Page 2 February 17, 2023

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Spill and overfill control for the tank and piping structures will be provided and is described in Attachment D of the application. The planned spill response that will take place at the facility is provided in Attachment E of the AST Facility Plan Application (Response Actions to Spills) and Attachment A of the Temporary Stormwater Section (enclosed) of the application.

<u>GEOLOGY</u>

According to the Geologic Assessment included with the application, the site is surficially characterized by Quaternary Terrace deposits and Del Rio Clay/Georgetown Formation undivided. The TCEQ site assessment conducted on February 7, 2023 revealed the site to be generally as described.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

- 4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the Austin Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved AST Facility Plan is enclosed.
- 5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved AST Facility Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- 6. Prior to commencing construction, the applicant shall submit any modifications to this approved AST Facility Plan required by some other regulating authority or desired by the applicant.
- 7. Modification to the activities described in the referenced AST Facility Plan, including Attachment "E" of the AST Facility Plan application (Response Actions to Spills), following the date of approval may require the submittal of an Edwards Aquifer Protection Plan application to modify this approval. The payment of appropriate fees and all information necessary must be provided for its review and approval prior to initiating construction of the modifications.
- 8. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated

Mr. Michael Puryear Page 3 February 17, 2023

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activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.

- 9. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved AST Facility Plan, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
- 10. All borings with depths greater than or equal to 20 feet must be plugged with a non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

- 11. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

- 18. Attachment "E" of the AST Facility Plan application (Response Actions to Spills) shall be located on-site (copy enclosed).
- 19. In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly. The applicant must comply with 30 TAC Chapter 334, Subchapter D, pertaining to Release Reporting and Corrective Action.
- 20. During the life of the AST facility, the owner shall comply with all applicable provisions of 30 TAC §213.5(e). Additionally, the owner, Holt Cat shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity, upon which that person or entity shall assume all responsibility for provisions and specific conditions of this approval.
- 21. An "as-built" site plan for the facility shall be drawn to scale and in sufficient detail to depict the specific locations and dimensions of all major components of the storage system. A copy of such "as-built" site plan and construction drawings, as well as operating instructions for all major system components shall be maintained in a secure location at the site of the proposed facility. This information shall be available for examination by TCEQ personnel upon request.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact James "Bo" Slone, P.G. of the Edwards Aquifer Protection Program of the Austin Region office at (512) 339-2929.

Sincerely. Lillian Butter

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

LIB/jcs

Enclosures: Deed Recordation Affidavit, Form TCEQ-0625 Attachment "E" of AST Facility Plan application (Response Actions to Spills) Attachment "A" of the Temporary Stormwater Section

cc: Mr. Stephen E. Lin, P.E., CDS Muery



In the event of an accidental leak or spill:

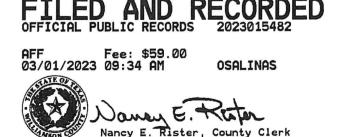
- Spill must be contained and cleaned up immediately.
- Spills shall not be buried or washed with water.
- Contractor shall take action to contain spill. Contractor may use sand or other absorbent material stockpiled on site to absorb spill. Absorbent material to contain and absorb the spilled product.
- In the event of an uncontained discharge the contractor shall utilize onsite equipment to construct berms downgradient of the spill with sand or other absorbent material to contain and absorb the spilled product.
- Spill containment/absorbent materials along with impacted media must be collected and stored in such a way so as not to continue to affect additional media (soil/water). Once the spill has been contained, collected material should be placed on poly or plastic sheeting until removed from the site. The impacted media and cleanup materials should be covered with plastic sheeting and the edges weighed down with paving bricks or other similarly dense objects as the material is being accumulated. This will prevent the impacted media and cleanup materials from becoming airborne in windy conditions or impacting runoff during a rain event. The stockpiled materials should not be located within an area of concentrated runoff such as along a curb line or within a swale.
- Contaminated soils and cleanup materials will be sampled for waste characterization. When the analysis results
 are known the contaminated soils and cleanup materials will be removed from the site and disposed in a permitted
 landfill in accordance with applicable regulations.
- The contractor will be required to notify the owner, who will in turn contact TCEQ to notify them in the event of a
 significant hazardous/reportable quantity spill. Additional notifications as required by the type and amount of spill will
 be conducted by owner or owner's representative.

In the event of an accidental significant or hazardous spill, the contractor will be required to report significant or hazardous spills in reportable quantities to:

- TCEQ Regional Office (512) 339-2929 (if during business hours: 8 AM to 5 PM) Contractor shall reference TCEQ's guidelines on reportable quantities found here: <u>https://www.tceq.texas.gov/response/spills/spill_rq.html</u>
- Texas State Emergency Response Center (800) 832-8224 (if after hours)
- National Response Center at (800) 424-8802

Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations. Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 1.4.16. Contractor shall review this section.

CDS Muery 100 NE Loop 410 ste 300 San Antonio TX 78216



Williamson County,



ATTACHMENT B: NARRATIVE OF PROPOSED MODIFICATION



Holt Cat Georgetown is an existing commercial heavy construction equipment sales and service dealership including associated parking lots, drive aisles and construction equipment storage base yards. The site is located at 2101 Airport Road, Georgetown, Williamson County, Texas 78628. Most of the site is developed, and any undeveloped areas were mass graded for future development. The site lies within the Brazos River Basin, entirely within the Edwards Aquifer Recharge Zone, and does not contain the Federal Emergency Management Agency (FEMA) 100-year floodplain. One naturally occurring sensitive geological feature, a fault, was identified in the Geologic Assessment and is shown on subsequent site plan(s). Upgradient off-site stormwater from the north was identified in the original WPAP and is intercepted by an earthen channel and routed around the site. The earthen channel was sized to capture and convey the stormwater runoff for the 25-year storm event at non-erosive velocities that are less than six (6) feet per second.

The following is a summary of the site's history in relation to the Edwards Aquifer Protection Program:

- A Water Pollution Abatement Plan (WPAP) was approved for a total of 26.09-acres of impervious cover, or 53.6% of the 48.67-acre project limits, and totaled 19.12-acres of immediate infrastructure to be constructed. This allowed for future development of impervious cover subsequent to the original WPAP. Future developments listed to include a track shop and rental facility building, to be located on the south side of the parcel, as well as a full gravel base yard. As such, Permanent Best Management Practices (PBMPs) structures were constructed with the original WPAP and sized to treat up to 26.09-acres of impervious cover and was approved on May 26, 2017 (EAPP ID No. 11000585).
- A Sewage Collection System (SCS) was approved on July 10, 2017 (EAPP ID #11000671) for the construction of over 1,400 LF of sewer line for an expected domestic wastewater flow of 5,000 gallons per day. (Note: This submittal does not require utility improvements and therefore, no modifications to the approved Sewage Collection System Plan (SCS) are currently proposed). Potable water service is provided by the City of Georgetown. Wastewater is disposed of by the San Gabriel wastewater treatment plant.
- A modification of the original WPAP was approved on August 20, 2021 (EAPP ID #11002544) which was for the construction of a new track shop and rental facility (mentioned above) and included site concrete pavement and gravel base yard for site parking, circulation, and storage of construction equipment. This project added 4.47-acres of impervious cover within a 5.6-acre limit of construction.
- A second modification (EAPP ID# 11002716) was approved on December 10, 2021, for the expansion of the construction equipment gravel base yard. The gravel base yard added an additional impervious cover of 1.94acres within a 2.2-acre limit of construction.
- A third modification, consisting of EAPP ID# 11003404 and EAPP ID# 11003405, was approved on February 17, 2023, which was for the construction of a Pre-Engineered Metal Building (PEMB) and a 1,200-gallon Above Ground Storage Tank (AST). These additions did not increase the site impervious cover.

The original WPAP approval included the construction of one (1) Sand Filter Basin and two (2) fifteen- foot (15') engineered vegetative filter strips to meet Permanent Best Management Practices (PBMPs) for the site. These PBMPs were installed with the original construction and are currently in operation at the project site. According to the original WPAP, all PBMPs were designed in accordance with TCEQ's Technical Guidance Manual RG-348 (2005) to remove 80% of the increase in total Suspended Solids (TSS) required by TCEQ and 85% per City of Georgetown guidelines.

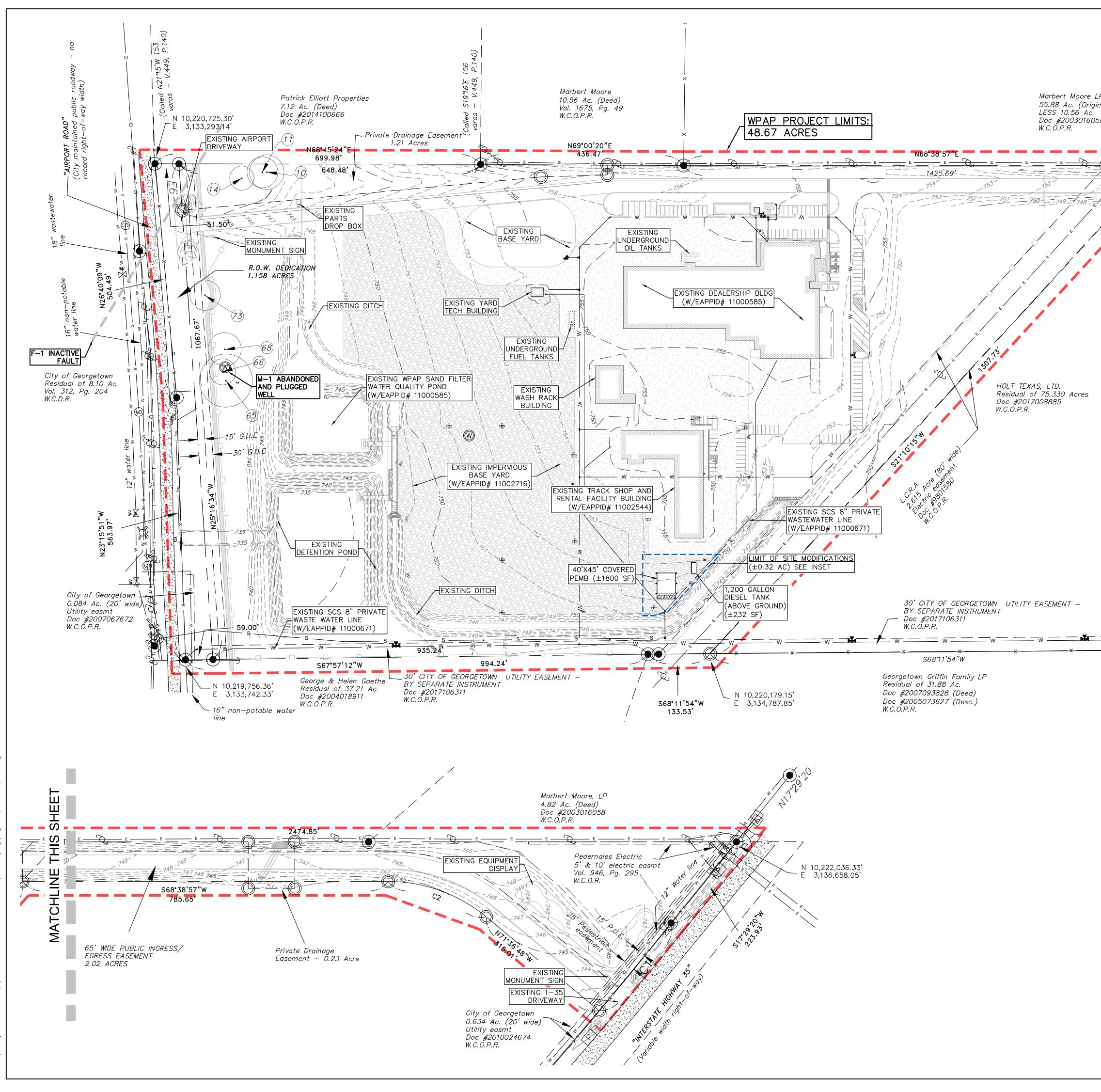


The Sand Filter Basin was designed for a watershed area of 22.88-acres (Watershed "C") with 21.65-acres of impervious cover within the watershed. Based on the original WPAP approval and the two subsequent modifications, the current existing impervious cover discharging to the basin is 19.13-acres and includes the 12.72-acres of impervious cover within Watershed "C" that was built with the original construction project, the 4.47-acres of impervious cover associated with the first approved modification, and the 1.94-acres from the second modification. The third modification to the project site did not increase the impervious cover on the site.

The current addition is for the construction of 49 additional parking spaces, located southeast of the existing dealership building, and will increase the impervious cover by 0.32-acres. Therefore, the total existing and proposed impervious cover applied to the sand filter basin increases to 19.45-acres, which is below the 21.65-acres the existing sand /filter basin was originally designed for.

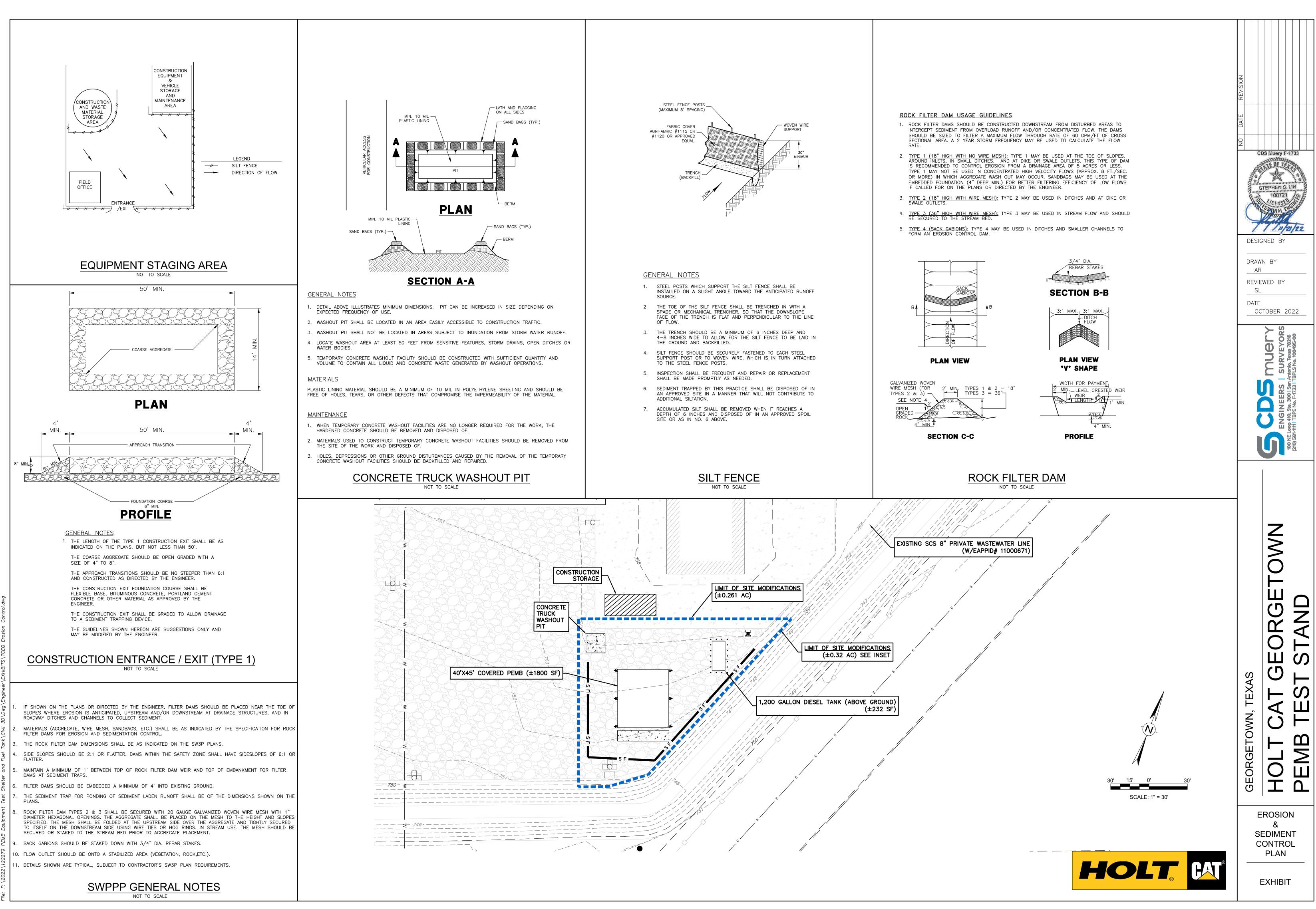


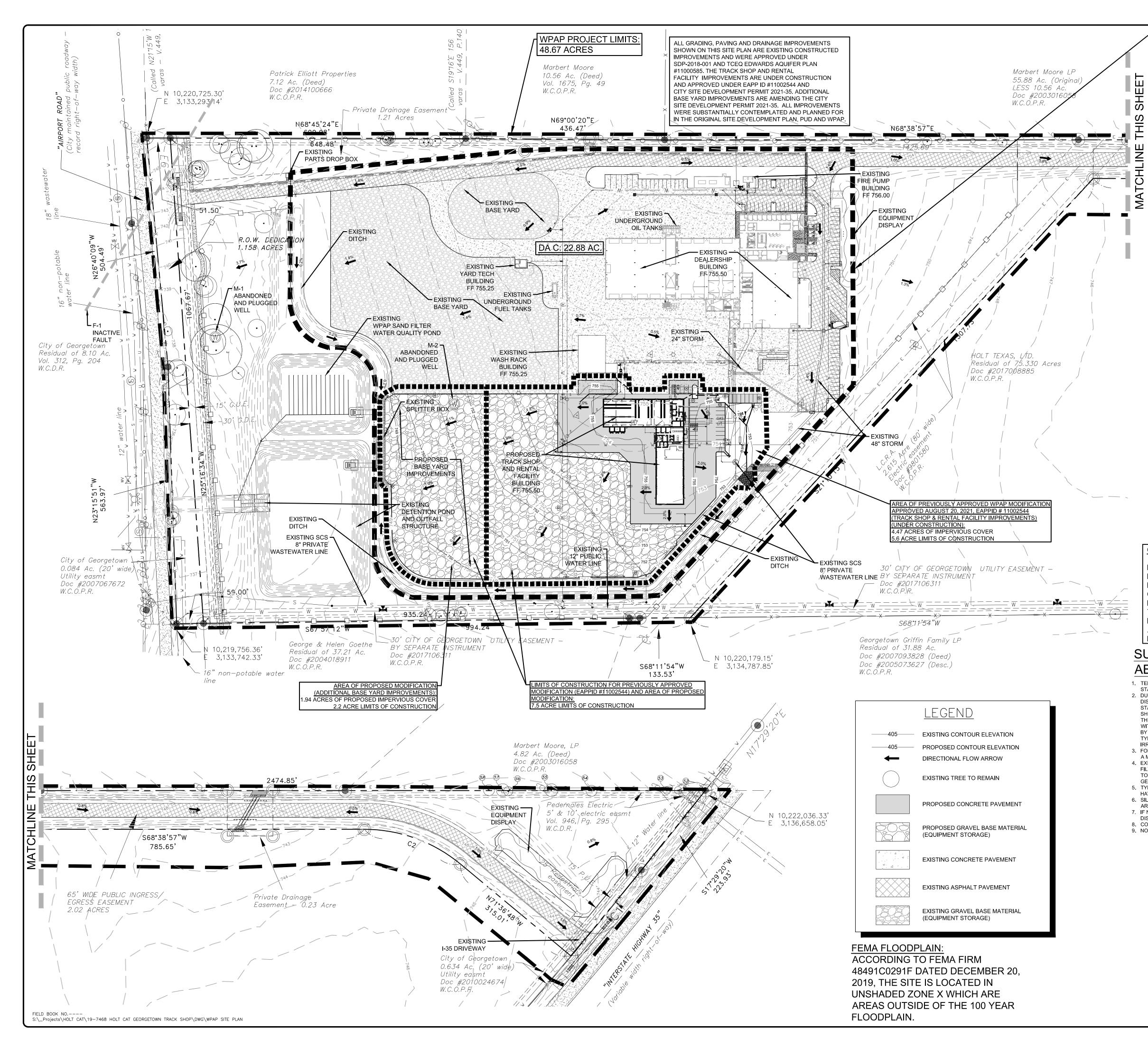
ATTACHMENT C: CURRENT SITE PLAN OF APPROVED PROJECT



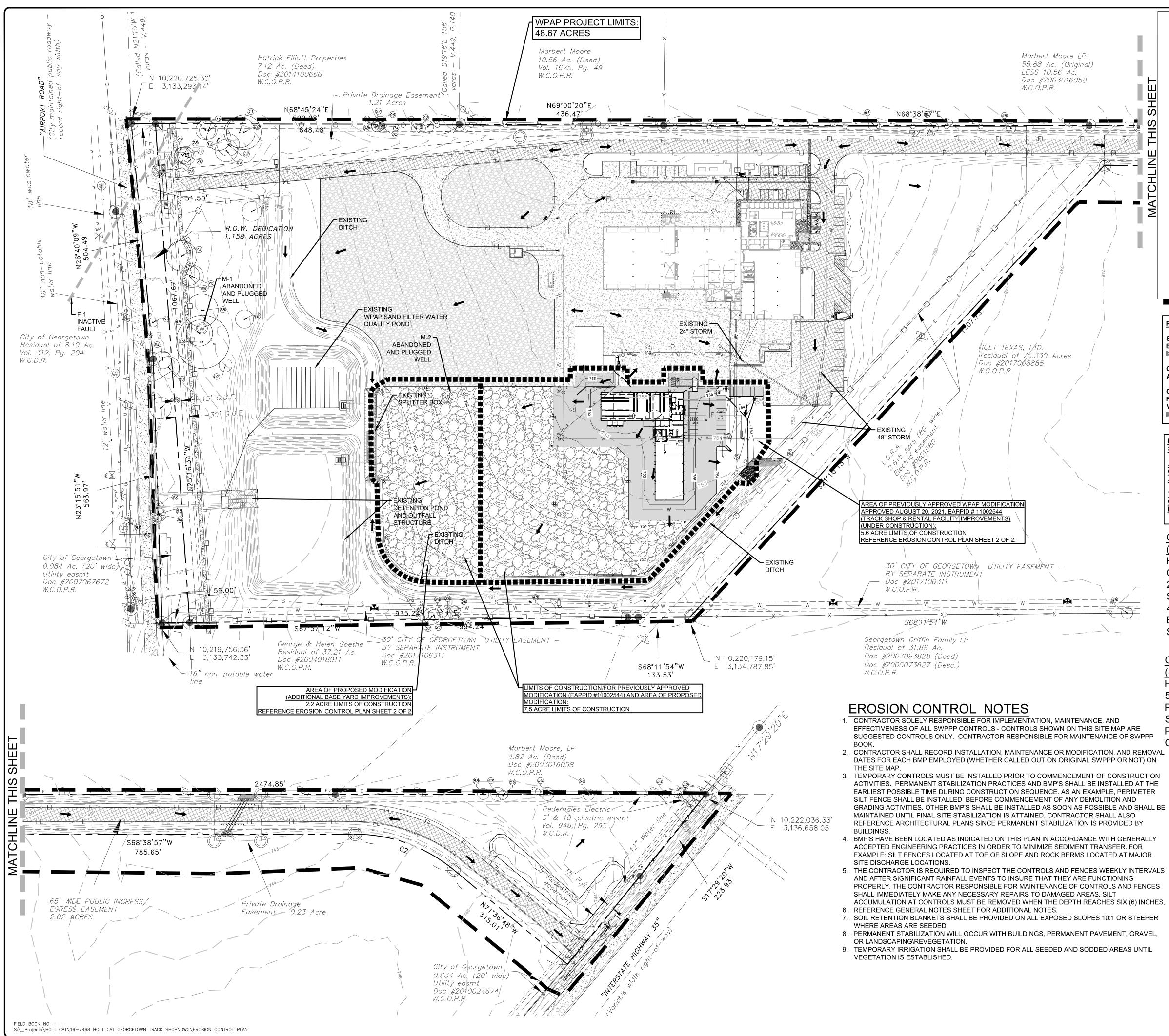
e: Nov 21, 2022, 5:31pm User ID: abelardo.ramos : F:\2022\122279 PEMB Equipment Test Shelter and Fuel Tank\Civil 3D\Dwg\Engineer\EXHIBITS\

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SITE_SUMMARY THIS WPAP MODIFICATION IS FOR THE ADDITION OF A PRE-ENGINEERED METAL_BUILDING (PEMB) TO BE LOCATED SOUTH OF THE TRACK CENTER FACILITY AS WELL AS AN ABOVE GROUND STORAGE TANK (AST) FOR ADDITION OF A 1.00 GALLON DIESEL FULL TANK. THERE IS A NET-ZERO INCREASE IN IMPERVIOUS COVER ASSOCIATED WITH THIS MODIFICATION AS BOTH STRUCTURES WILL BE CONSTRUCTED WITHIN IMPERVIOUS GRAVEL YARD SOUTH OF THE TRACK SHOP. ZONING: PLANNED UNIT DEVELOPMENT ORD. #2017-07 USE: HEAVY EQUIPMENT SALES AND REPAIR GROSS LOT 1 ACREAGE: ALPORT ROAD ROW DEDICATION: 1.158 ACRES PLATTED ACREAGE OF LOT 1: WPAP PROJUCT LIMITS: SAND FILTRATION BASIN DESIGNED IMPERVIOUS COVER (PER EAPPID# 11000585): SISTING IMPERVIOUS COVER TO SAND FILTER POND: MPERVIOUS COVER TO SAND FILTER POND: YAF ALLOWED IMPERVIOUS COVER TO SAND FILTER POND: SISTING CONCRETE PAVEMENT	CTOBER 2022
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HOLT _®	TCEQ SITE PLAN EXHIBIT





EXISTING APPROVED WPAP (DRAINAGE AREA C): SITE RECEIVED TCEQ APPROVAL OF A WPAP ON 5/26/17, EDWARDS AQUIFER PROTECTION PROGRAM ID #11000585. PER RECORD SITE PLAN, EXISTING POND IS SIZED FOR 85% TSS REMOVAL. PREVIOUSLY APPROVED MODIFICATION (TRACK SHOP & RENTAL FACILITY IMPROVEMENTS) ARE LOCATED WITHIN DRAINAGE AREA C OF THE WPAP PLAN AND RECEIVED APPROVAL ON 8/20/2021, EAPP ID #11002544. AREA OF PROPOSED MODIFICATION (ADDITIONAL BASE YARD IMPROVEMENTS) ARE LOCATED WITHIN DRAINAGE AREA C. SEE DRAINAGE AREA C SUMMARY THIS SHEET.	FCO ENGINEERING, INC. P. 0. Box 615
ZONING: PLANNED UNIT DEVELOPMENT ORD. # 2017-07 USE:HEAVY EQUIPMENT SALES AND REPAIR GROSS LOT 1 ACREAGE: 44.245 ACRES AIRPORT ROAD ROW DEDICATION: 1.158 ACRES PLATTED ACREAGE OF LOT 1: 43.037 ACRES WPAP PLOUECT LIMITS: 45.67 ACRES WPAP PLOUECT LIMITS: 45.67 ACRES WPAP PLOUECT LIMITS: 45.67 ACRES WPAP MODIFICATION (TRACK SHOP AND RENTAL FACILITY IMPROVEMENTS) (APPROVED GOVER (ORIGINAL SITE PLAN): 14.65 ACRES 19.12 ACRES 19.13 ACRES 19.14 ACRES 10.14 EXISTING IMPERVIOUS COVER TO POND (ORIGINAL SITE PLAN): 10.16 ACRES 19.14 ACRES 10.14 EXISTING IMPERVIOUS COVER TO POND 10.13 ACRES 10.14 EXISTING IMPERVIOUS COVER TO POND: 10.14 ACRES 10.14 EXISTING IMPERVIOUS COVER TO POND: 10.14 ACRES 10.14 EXISTING IMPERVIOUS COVER TO POND: 11.14 ACRES 10.14 EXISTING IMPERVIOUS COVER TO POND: 11.14 ACRES 10.14 EXISTING IMPERVIOUS COVER TO POND: 11.14 ACRES 10.14 EXISTING SAND FILTER BASIN, EXISTING ENGINEERED VEGETATIVE FILTER STRIPS OR ARE OF PROPOSED MODIFICATION 10.13 ACRES OF EXISTING IMPERVIOUS COVER TO POND: 11.13 ALSO SIZED 10.11 ACRES OF EXISTING IMPERVIOUS COVER TO POND: 11.13 ALSO SIZED 10.13 ACRES OF EXISTING IMPERVIOUS COVER TO POND ACREAS 11.465 ACRES OF EXISTING IMPERVIOUS COVER TO POND ACREAS 11.465 ACRES OF EXISTING IMPERVIOUS COVER TO POND ACR	TRACK SHOP & RENTAL FACILITY
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TABILIZED, INCLUDING SUFFICIENT VEGETATION BEING ESTABLISHED. URING CONSTRUCTION, TO THE EXTENT PRACTICAL, CONTRACTOR SHALL MINIMIZE THE AREA OF SOIL ISTURBANCE. AREAS OF DISTURBED SOIL SHALL BE REVEGETATED TO STABILIZE SOIL USING SOLID SOD IN A TAGGERED PATTERN - REFER TO SECTION 1.3.11 IN TCEQ'S TECHNICAL GUIDANCE MANUAL RG-348 (2005). SOD HOULD BE USED IN CHANNELS AND ON SLOPES >15%. THE CONTRACTOR MAY SUBSTITUTE THE USE OF SOD WITH HE PLACEMENT OF TOPSOIL AND A FRIABLE SEED BED WITH PROTECTIVE MATTING OR HYDRAULIC MULCH ALONG ITH WATERING UNTIL VEGETATION IS ESTABLISHED. APPLICATIONS AND PRODUCTS SHALL BE THOSE APPROVED Y TXDOT AS OF FEBRUARY 2001 AND IN COMPLIANCE WITH THE TGM RG-348 (2005). SEED MIXTURE AND/OR GRASS YPE TO BE DETERMINED BY OWNER AND SHOULD BE IN COMPLIANCE WITH TGM RG-348 (2005) GUIDELINES. IRIGATION MAY BE REQUIRED IN ORDER TO ESTABLISH SUFFICIENT VEGETATION. OR DISTURBED AREAS WHERE INSUFFICIENT SOIL EXISTS TO ESTABLISH VEGETATION, CONTRACTOR SHALL PLACE MINIMUM OF 6 INCHES OF TOPSOIL PRIOR TO REVEGETATION. XISTING PERMANENT BMP'S FOR THIS SITE INCLUDE ONE (1) SAND FILTER BASIN AND ENGINEERED VEGETATIVE LTER STRIPS. THIS EXISTING PERMANENT BMPS HAVE BEEN DESIGNED IN ACCORDANCE WITH TGM RG-348 (2005) O REMOVE 80% OF THE INCREASE IN TOTAL SUSPENDED SOLIDS (TSS) REQUIRED BY TCEQ AND 85% PER CITY OF EORGETOWN GUIDELINES. YPICAL SLOPES ON IMPERVIOUS COVER RANGE FROM 0.5% TO 3.0%. LANDSCAPED AND REVEGETATED AREAS AVE SLOPES UP TO 3:1. LT FENCING WHERE APPROPRIATE WILL BE MAINTAINED UNTIL UTILITY, PAVING AND BUILDING IMPROVEMENTS RE COMPLETED. NEEDED, ENERGY DISSIPATORS TO REDUCE EROSION WILL BE PROVIDED AT POINTS OF CONCENTRATED ISCHARGE WHERE EXCESSIVE VELOCITIES MAY BE ENCOUNTERED. ONTRACTOR SHALL INSTALL AND ESTABLISH VEGETATION FOR SOLIL STABLIZATION PRIOR TO SITE CLOSEOUT.	DRAWN BY: JG CHECKED BY: JG BEFCO JOB NO 19-7468 PLOT SCALE 1" = 100
ONTRACTOR SHALL INSTALL AND ESTABLISH VEGETATION FOR SOIL STABILIZATION PRIOR TO STIE CLOSEOUT. O NEW PERMANENT BMPS ARE PROPOSED.	SHEET TITLE WPAP SITE PLAN MODIFICATIO DATE ISSUED: 9/21/ SHEET
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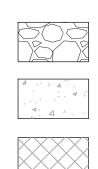




TEMPORARY IRRIGATION. REFERENCE LANDSCAPE PLANS FOR FINAL REVEGETATION REQUIREMENTS.

PROPOSED CONCRETE PAVEMENT

PROPOSED GRAVEL BASE MATERIAL



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EXISTING CONCRETE PAVEMENT

(EQUIPMENT STORAGE)

EXISTING ASPHALT PAVEMENT



LIMITS OF CONSTRUCTION (7.5 ACRES)

REVEGETATION NOTES:

SOIL RETENTION/EROSION CONTROL BLANKETS SHALL BE PROVIDED ON ALL SLOPES 10:1 OR STEEPER IF SOD IS NOT USED.

CONTRACTOR TO PROVIDE 6 INCHES OF TOPSOIL FOR ALL SEEDED AND SODDED AREAS.

CONTRACTOR SHALL PROVIDE TEMPORARY IRRIGATION FOR ALL SEEDED AND SODDED AREAS UNTIL **VEGETATION IS ESTABLISHED UNLESS PERMANENT IRRIGATION IS PROPOSED.**

REFERENCE GRADING PLANS FOR PROPOSED GRADING SLOPES AND DRAINAGE PATTERNS.

ALL CONSTRUCTION ACTIVITIES ARE TO BE LOCATED ON-SITE. OFF-SITE ACTIVITIES ARE NOT ANTICIPATED AT THIS TIME.

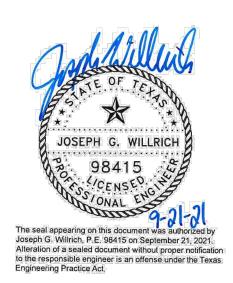
THERE ARE NO KNOWN WETLANDS OR SURFACE WATERS ON OR ADJACENT TO THE SITE. LIMITS OF CONSTRUCTION S LOCATED IN UNSHADED ZONE X.

CONTRACTOR NAME AND ADDRESS (PRIMARY OPERATOR): HOOKER CONTRACTING COMPANY, INC.

C/O SCOTT SHAHEEN 210-492-9411 SCOTTS@HOOKERCONTRACTING.COM 4949 N. LOOP 1604 W **BUILDING 2, SUITE 265** SAN ANTONIO, TEXAS 78249

OWNER NAME AND ADDRESS

(SECONDARY OPERATOR): HOLT TEXAS LTD. 5665 SE LOOP 410 P.O. BOX 207916 SAN ANTONIO, TEXAS 78222 PHONE: (210) 304-8548 CONTACT: NEAL CARMICHAEL



Texas Registered Engineering Firm F-2011



	INC.
-	BEFCO ENGINEERING, INC. P. O. Box 615 LaGrange, Texas 78945 (979) 968-6474 TBPE F-2011
	ENGINEE P. O. Box Grange, Texa 968–6474
	CO ENGI P. 0. LaGrange, 968-647
	BEFC (979)

24" X 36"

GRAPHIC SCALE

100

SCALE: 1"=100'

150

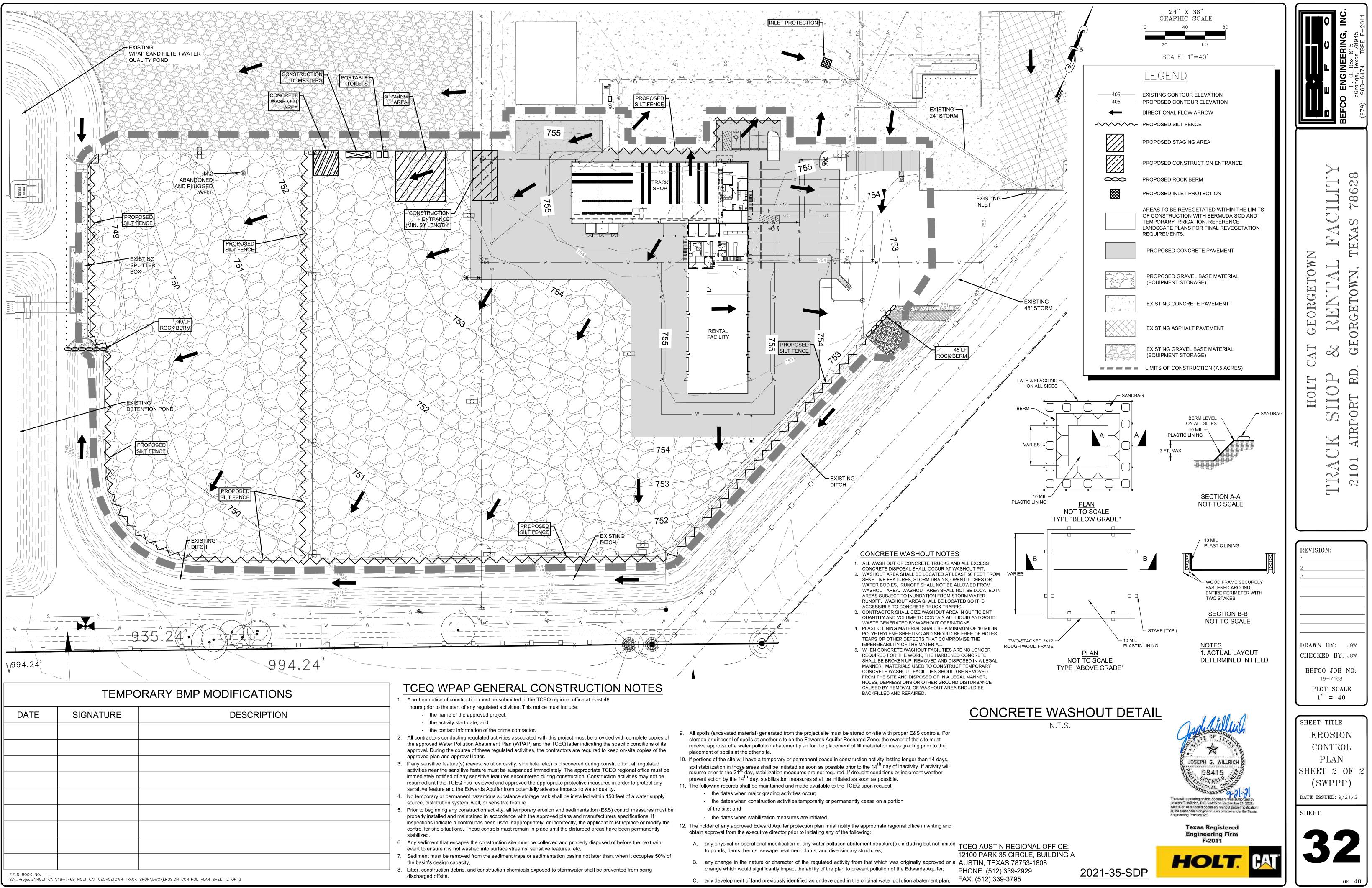
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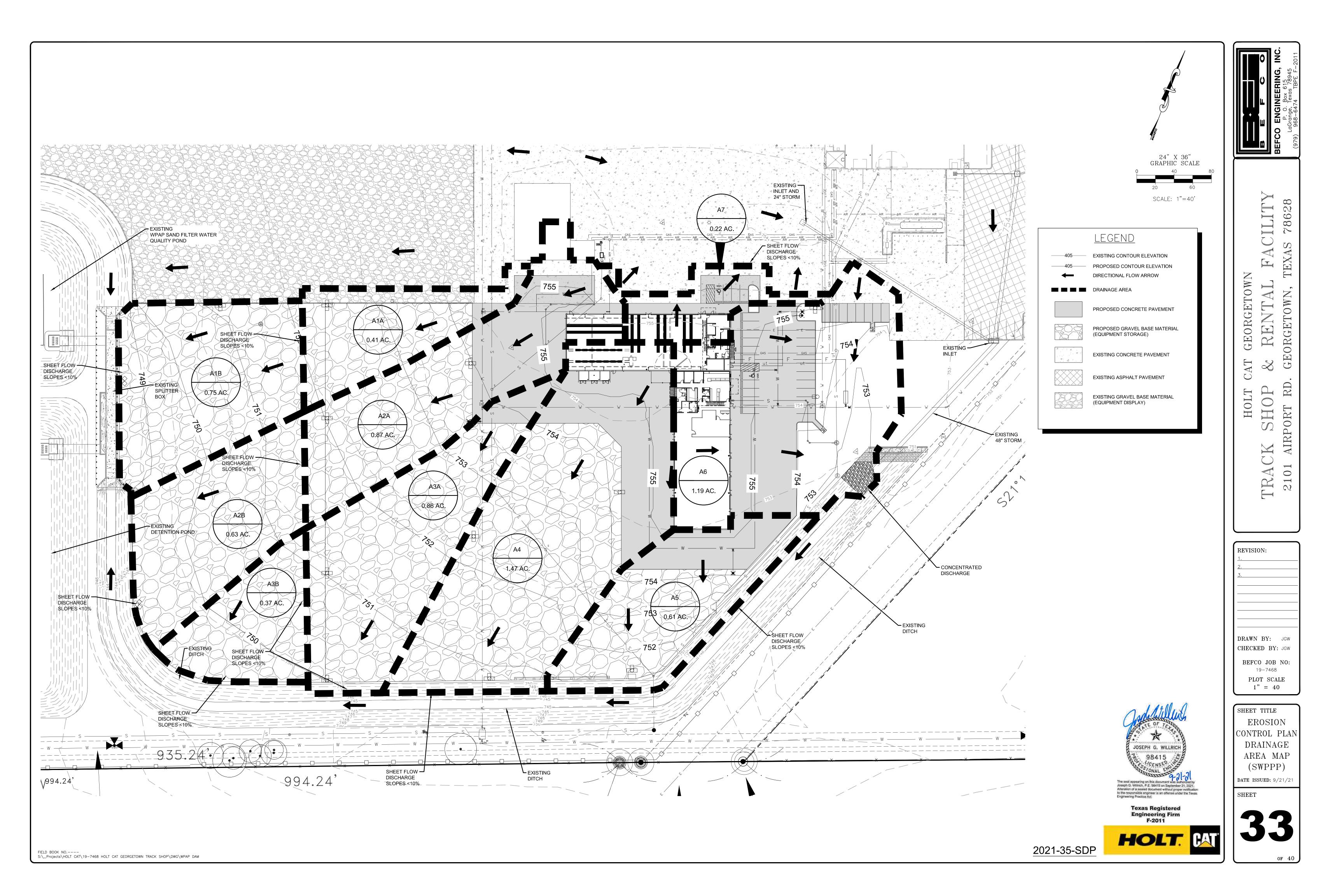
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REVISION:
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DRAWN BY: JGW
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BEFCO JOB NO:
19-7468
PLOT SCALE
1" = 100
SHEET TITLE
EROSION
CONTROL
PLAN
SHEET 1 OF 2
(SWPPP)
DATE ISSUED: 9/21/21
SHEET

2021-35-SDP

of 40





EROSION CONTROL & SEDIMENTATION NOTES (SWPPP)

. IF DISTURBING MORE THAN 5 ACRES, PRIMARY OPERATOR (CONTRACTOR) SHALL SUBMIT A NOTICE OF INTENT (NOI) TO TCEQ IMMEDIATELY PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES IF SUBMITTED ELECTRONICALLY OR TEN DAYS BEFORE IF SUBMITTING PAPER COPY PRIMARY OPERATOR IS RESPONSIBLE FOR RETAINING PROOF THAT THE NOI WAS SUBMITTED TO TCEQ (PROOF MUST CONSIST OF CERTIFIED MAIL WITH RETURN RECEIPT).

TCEO TEXAS POLI UTANT DISCHARGE FLIMINATION SYSTEM (TPDES) CONSTRUCTION GENERAL PERMIT TXR150000. LANDSCAPE PLANS. GEOTECHNICAI NVESTIGATION, AND CIVIL ENGINEERING PLANS AND SPECIFICATIONS ARE HEREBY NCORPORATED INTO THIS SWPPP. CONTRACTOR SHALL OBTAIN AND KEEP A CURRENT COPY OF THESE DOCUMENTS AT THE CONSTRUCTION SITE.

. ALL EROSION AND SEDIMENTATION CONTROLS MUST BE DESIGNED, INSTALLED AND MAINTAINED TO RETAIN SEDIMENT ON-SITE TO THE EXTENT PRACTICABLE.

ALL CONTROL MEASURES MUST BE SELECTED. INSTALLED, AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND GOOD ENGINEERING PRACTICES

OFF-SITE ACCUMULATIONS OF SEDIMENT ESCAPING PROJECT SITE MUST BE REMOVED AT A FREQUENCY NECESSARY TO MINIMIZE OFF-SITE IMPACTS FOR EXAMPLE, SEDIMENTATION WITHIN STREETS ADJACENT TO THE PROJECT SITE MUST BE REMOVED PRIOR TO RAINFALL EVENTS. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR. IN ANY EVENT SILT SHALL ALWAYS BE REMOVED SUCH THAT PONDING IN A STREET IS PREVENTED.

. CONTRACTOR MUST REMOVE SEDIMENT FROM ALL APPLICABLE CONTROLS WHEN DESIGN SILT STORAGE CAPACITY HAS BEEN REDUCED BY 50%.

. CONTRACTOR SHALL ENSURE THAT ALL LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS ARE PREVENTED FROM BECOMING POLLUTANT SOURCES

3. OFF-SITE MATERIAL STORAGE AREAS USED SOLELY FOR THIS PROJECT, INCLUDING DIRT STOCKPILES AND BORROW AREAS (AS APPLICABLE). MUST BE PREVENTED FROM BECOMING POLLUTANT SOURCES BY INSTALLATION OF BMP'S.

9. CONTRACTOR SHALL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABI F

0. DISTURBED PORTIONS OF SITE MUST BE STABILIZED. STABILIZATION PRACTICES MUST BE INITIATED WITHIN 14 DAYS IN PORTIONS OF THE SITE WHERE CONSTRUCTION HAS BEEN EITHER TEMPORARILY OR PERMANENTLY CEASED, UNLESS EXCEPTED WITHIN THE TPDES PERMIT.

I. CONTRACTOR MUST MAINTAIN RECORDS OF DATES IN THE SWPPP OF WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES EITHER TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED.

2. CONTRACTOR SHALL ENSURE THAT SWPPP IS CONSISTENT WITH SEDIMENT AND ROSION SITE PLANS, STORM WATER PERMITS, AND STORM WATER MANAGEMENT. PLANS APPROVED BY STATE, TRIBAL, OR LOCAL OFFICIALS. UPDATES TO SWPPP ARE REQUIRED UPON WRITTEN NOTICE TO PERMITTEE OF CHANGES APPLICABLE TO STORM WATER PERMITS, SEDIMENT AND EROSION CONTROL PLANS, OR STORM WATER MANAGEMENT PLANS BY SUCH OFFICIALS.

3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND ANY OTHER PROTECTIVE MEASURES IDENTIFIED IN THE SWPPP MUST BE MAINTAINED IN FFECTIVE OPERATING CONDITION. WHEN INSPECTIONS IDENTIFY CONTROLS OPERATING INEFFECTIVELY, THE CONTROLS SHALL BE MAINTAINED PRIOR TO THE NEXT RAINFALL EVENT OR AS NECESSARY TO MAINTAIN EFFECTIVENESS OF THE CONTROL, OR AS SOON AS PRACTICABLE.

4. CONTRACTOR SHALL INSPECT DISTURBED AREAS. MATERIAL STORAGE AREAS EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND VEHICLE ENTRY AND EXIT AREAS AT LEAST ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER OR EVERY SEVEN DAYS ON THE SAME DAY OF THE WEEK.

REVEGETATION REQUIREMENTS

The work of Hydraulic Seeding shall be governed by the provisions of Texas Department of Transportation Item 164 Seeding For Erosion Control, Item 166 Fertilizer and Item 168 Vegetative Watering) noted below. Block sodding shall be covered by TxDOT Item 162. Contractor to provide adequate topsoil prior to placement of seeding and sod to ensure establishment.

From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 3 pounds per 1000 square feet. From September 15 to March 1, seeding shall be a combination of 1 pound per 1000 square feet of unhulled Bermuda and 7 pounds per 1000 square feet of Winter Rve. Seed shall have a purity of 95% with 85% germination.

Fertilizer shall be a pelleted or granular slow release with an analysis of 15-15-15 to be applied once at planting and once during the period of establishment at a rate of 1.5 pounds per 1000 square feet.

Mulch type shall be hay, straw or mulch applied at a rate of 45 pounds per 1000 square feet, with self-tackifier at a rate of 1.4 pounds per 1000 square feet.

The seeded and sodded area shall be irrigated or sprinkled in a manner that will not erode the soil, but will sufficiently soak the soil to a depth of six inches. The irrigation or sprinkling shall occur at a minimum ten-day interval during the first two months. Rainfall occurrences of 1/2 inch or more shall postpone the watering schedule for one week. Contractor to provide all water\temporary irrigation.

Seeded restoration shall be acceptable when the grass has grown at least 1-1/2 inches high with 95% even coverage.

Revegetation shall be by sod unless directed otherwise by Owner.

15. CONTRACTOR SHALL INSPECT STABILIZED AREAS AND AREAS WHERE RUNOFF IS UNLIKELY DUE TO FROZEN OR ARID WEATHER CONDITIONS AT LEAST ONCE PER MONTH

DOWNSTREAM LOCATIONS IF DISCHARGE POINT IS NOT ACCESSIBLE) IN ORDER TO ASCERTAIN WHETHER OR NOT EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.

WITHIN FLOODPLAINS. 18 BASED ON INSPECTION RESULTS, REVISIONS TO SWPPP MUST BE MADE WITHIN 7 CALENDAR DAYS OF THE INSPECTION. NEW OR MODIFIED CONTROL MEASURES MUST

19. REPORTS SUMMARIZING THE SCOPE OF ALL INSPECTIONS, INCLUDING NAME AND QUALIFICATIONS OF INSPECTOR, DATE OF INSPECTION, AND MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWPPP (INCLUDING LOCATION OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS, LOCATION OF CONTROLS THAT NEED TO BE MAINTAINED, LOCATIONS WHERE CONTROLS ARE INADEQUATE OR ARE OPERATING IMPROPERLY, AND LOCATIONS WHERE ADDITIONAL CONTROLS ARE NEEDED) MUST BE SIGNED BY THE INSPECTOR PER 30 TEXAS ADMINISTRATIVE CODE (TAC) SECTION 305.128, AND RETAINED WITHIN THE SWPPP FOR AT LEAST 3 YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED. REPORTS THAT DO NOT IDENTIFY INCIDENTS OF NON-COMPLIANCE SHALL CONTAIN A CERTIFICATION STATING THAT THE SITE IS IN COMPLIANCE WITH THE SWPPP AND THE GENERAL PERMIT.

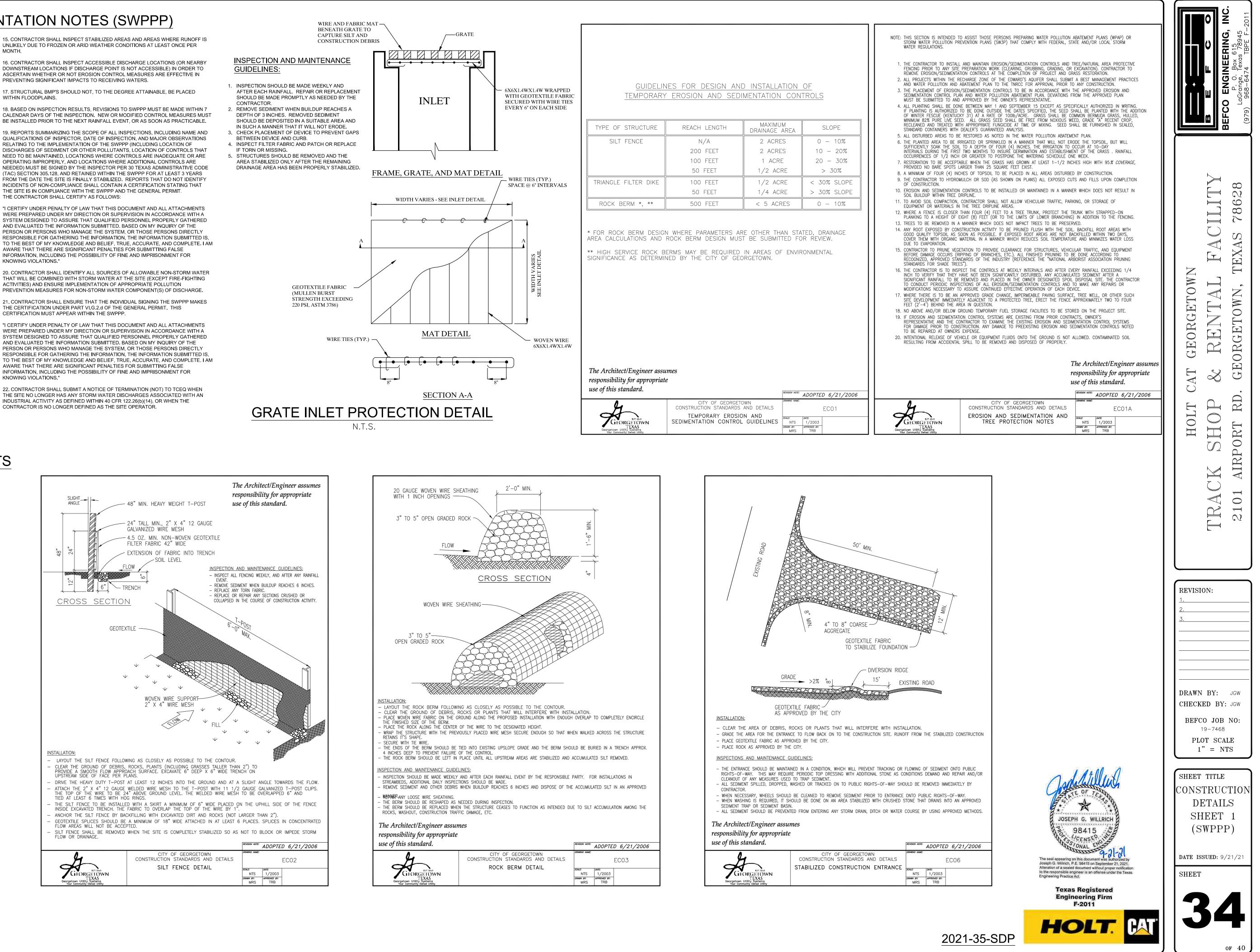
"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM. OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS. TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

20. CONTRACTOR SHALL IDENTIFY ALL SOURCES OF ALLOWABLE NON-STORM WATER THAT WILL BE COMBINED WITH STORM WATER AT THE SITE (EXCEPT FIRE-FIGHTING ACTIVITIES) AND ENSURE IMPLEMENTATION OF APPROPRIATE POLITION PREVENTION MEASURES FOR NON-STORM WATER COMPONENT(S) OF DISCHARGE

21. CONTRACTOR SHALL ENSURE THAT THE INDIVIDUAL SIGNING THE SWPPP MAKES THE CERTIFICATION UNDER PART VI.G.2.d OF THE GENERAL PERMIT. THIS CERTIFICATION MUST APPEAR WITHIN THE SWPPP

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS. TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE, I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

22. CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (NOT) TO TCEQ WHEN THE SITE NO LONGER HAS ANY STORM WATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY AS DEFINED WITHIN 40 CFR 122.26(b)(14), OR WHEN THE





WATER POLLUTION ABATEMENT PLAN APPLICATION (TCEQ-0584)

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: <u>Stephen Lin, P.E</u>

Date: 08/31/2023



Regulated Entity Name: Holt Cat Georgetown

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): 48.67
- 3. Estimated projected population:0
- 4. The amount and type of impervious cover expected after construction are shown below:



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

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	114,081	÷ 43,560 =	2.62
Parking	992,843	÷ 43,560 =	22.79
Other paved surfaces	43,502	÷ 43,560 =	1.00
Total Impervious Cover	1,150,426	÷ 43,560 =	26.41

Table 1 - Impervious Cover Table

Total Impervious Cover 26.41 ÷ Total Acreage 48.67 X 100 = 54.26% 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 x W = _____ $Ft^2 \div 43,560 Ft^2/Acre = _____ acres.$

10. Length of pavement area: _____ feet.

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

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

A rest stop will not be included in this project.

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

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

<u>100_</u> % Domestic	<u>5,000 </u> Gallons/day
% Industrial	Gallons/day
% Commingled	Gallons/day
TOTAL gallons/day	

15. Wastewater will be disposed of by:

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

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

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

Sewage Collection System (Sewer Lines):

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

The SCS was previously submitted on_____.

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

The sewage collection system will convey the wastewater to the <u>San Gabriel WWTP</u> (name) Treatment Plant. The treatment facility is:

\times	Existing.
	Proposed

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

Site Plan Requirements

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

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

Site Plan Scale: 1" = <u>100</u>'.

18. 100-year floodplain boundaries:

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

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

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): <u>FEMA FIRM 48491C0291F DATED 12/20/2019 shows all areas of the site to be in Unshaded zone X which are areas outside the 100-year foodplain</u>

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

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

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

\square] There are <u>2</u> (#) wells present on the project site and the locations are shown	and
	labeled. (Check all of the following that apply)	

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

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

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

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

21. Geologic or manmade features which are on the site:

All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.

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

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

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

🖂 N/A

27. Locations where stormwater discharges to surface water or sensitive features are to occur.

There will be no discharges to surface water or sensitive features.

28. 🛛 Legal boundaries of the site are shown.

Administrative Information

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



ATTACHMENT A: FACTORS AFFECTING SURFACE WATER QUALITY

Potential sources of pollution that may be expected to affect the quality of storm water discharges from the site during construction include:

- Erosion of soil due to grading activities
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings
- Hydrocarbons from asphalt paving operations (not applicable to this project)
- Trash and litter from construction activities
- Concrete truck washout
- Potential overflow/spills from portable toilets

Potential sources of pollution that may be expected to affect the quality of storm water discharges from the site after development include:

- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings
- Dirt and dust which may fall off vehicles and construction equipment
- Miscellaneous trash and litter



ATTACHMENT B: VOLUME AND CHARACTER OF STORMWATER

The additional parking spaces does not exceed the original impervious area coverage assumed in the original WPAP Application/Report. Per the original WPAP application, during the 25-year storm event, the overall project will generate approximately 163 CFS based on a Runoff Coefficient of 0.92. The Coefficient Values are from City of Georgetown's Unified Development Code, specifically, Table 3-1, for the Rational Method.



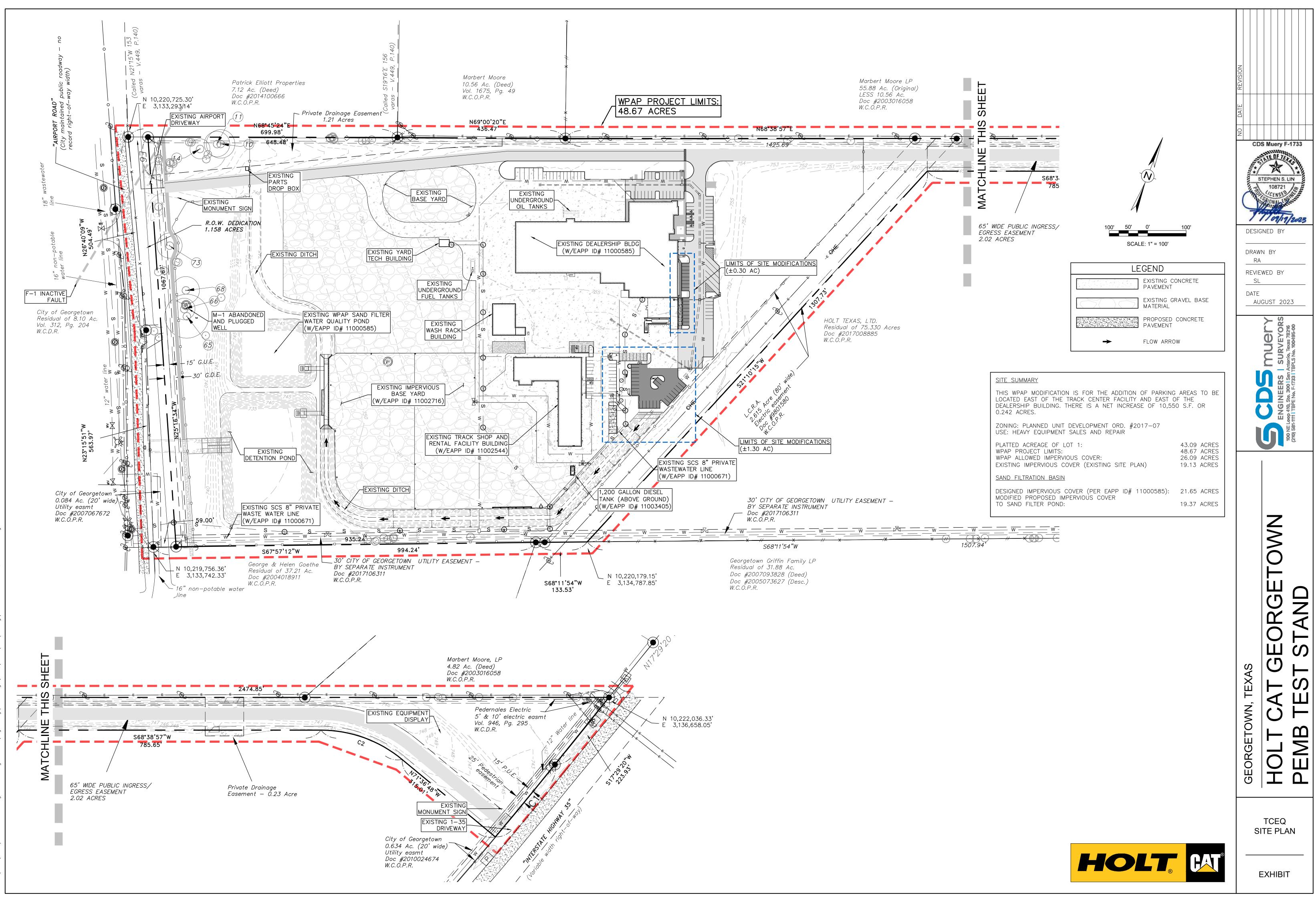
ATTACHMENT C: SUITABILITY LETTER FROM AUTHORIZED AGENT

(THIS SECTION IS NOT APPLICABLE)



ATTACHMENT D: EXCEPTION TO THE REQUIRED GEOLOGIC ASSESSMENT

(THIS SECTION IS NOT APPLICABLE)





TEMPORARY STORMWATER SECTION (TCEQ-0602)

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: Stephen Lin, P.E

Date: 08/31/2023



Regulated Entity Name: Holt Cat Georgetown

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: <u>Diesel</u>, gasoline for constructon equipment located in Construction Staging Area

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.

TCEQ-0602 (Rev. 02-11-15)

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

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

Sequence of Construction

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

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

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

Temporary Best Management Practices (TBMPs)

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

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

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

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

Soil Stabilization Practices

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

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

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

Administrative Information

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



ATTACHMENT A: SPILL RESPONSE ACTIONS



In the event of an accidental leak or spill:

- Spill must be contained and cleaned up immediately.
- Spills shall not be buried or washed with water.
- Contractor shall take action to contain spill. Contractor may use sand or other absorbent material stockpiled on site to absorb spill. Absorbent material to contain and absorb the spilled product.
- In the event of an uncontained discharge the contractor shall utilize onsite equipment to construct berms downgradient of the spill with sand or other absorbent material to contain and absorb the spilled product.
- Spill containment/absorbent materials along with impacted media must be collected and stored in such a way so as not to continue to affect additional media (soil/water). Once the spill has been contained, collected material should be placed on poly or plastic sheeting until removed from the site. The impacted media and cleanup materials should be covered with plastic sheeting and the edges weighed down with paving bricks or other similarly dense objects as the material is being accumulated. This will prevent the impacted media and cleanup materials from becoming airborne in windy conditions or impacting runoff during a rain event. The stockpiled materials should not be located within an area of concentrated runoff such as along a curb line or within a swale.
- Contaminated soils and cleanup materials will be sampled for waste characterization. When the analysis results
 are known the contaminated soils and cleanup materials will be removed from the site and disposed in a permitted
 landfill in accordance with applicable regulations.
- The contractor will be required to notify the owner, who will in turn contact TCEQ to notify them in the event of a
 significant hazardous/reportable quantity spill. Additional notifications as required by the type and amount of spill will
 be conducted by owner or owner's representative.

In the event of an accidental significant or hazardous spill, the contractor will be required to report significant or hazardous spills in reportable quantities to:

- TCEQ Regional Office (512) 339-2929 (if during business hours: 8 AM to 5 PM) Contractor shall reference TCEQ's guidelines on reportable quantities found here: <u>https://www.tceq.texas.gov/response/spills/spill_rq.html</u>
- Texas State Emergency Response Center (800) 832-8224 (if after hours)
- National Response Center at (800) 424-8802

Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations. Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 1.4.16. Contractor shall review this section.



ATTACHMENT B: POTENTIAL SOURCES OF CONTAMINATION

Potential sources of contamination for this project include:

- Drippings from vehicles, both construction and non-construction related Preventative Measure: Vehicle maintenance, when possible and if needed, shall be performed within the construction staging area.
- Leaks or spills of petroleum products, oil, and substances listed under 40 CFR parts 110, 117, and 302 that are used and/or stored temporarily on site within the project area.
 Preventative Measure: Contractor to oversee the enforcement of proposer spill prevention and control measures and ensure that hazardous materials and wastes shall be stored in covered and locked containers. Spills clean up materials shall be store on site where it can be accessible upon accidental spillage. Spill procedures shall be incorporated into regularly scheduled onsite safety meetings.
- Grading and excavation activities: Stormwater runoff has the potential to be contaminated during the construction process with related excavation and site grading.
 Preventative Measure: Use of TBMP measures such as, but not limited to, silt fencing, rock berms, or filter dams.
- Building materials: Materials include, but not limited to, concrete, wood, mortar, and paint among other materials.

Preventative measures: Construction debris shall be monitored daily by the site contractor, disposed of in proper trash receptacles, and collected weekly. Trash receptacles shall be placed throughout the construction site for proper trash disposal.

 Trash and debris: These may include household trash items such as paper bags, cups, plastic ware, and food items.

Preventative measures: Trash and debris shall be disposed of in proper trash receptacles and collected weekly. Trash receptacles shall be placed throughout the construction site for proper trash disposal.



ATTACHMENT C: SEQUENCE OF MAJOR ACTIVITIES

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

- 1. Install temporary erosion control measures. (±0.25 acres)
- 2. Site grading and excavation for new parking lot (\pm 0.15 acres)
- 3. Construction and striping of the 49 additional parking spaces.

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

Total disturbed area due to the proposed construction will be approximately 0.40 acres. The total impervious area will increase by 0.32-ac from 19.13-acres to 19.45-acres discharging to the existing sand filtration pond.



ATTACHMENT D: TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES



The following are descriptions of how the Temporary BMP measures will prevent pollution to surface waters, groundwater, or upgradient drainage:

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:

No upgradient water will flow across the site. The original project intercepted upgradient water through earthen channels and graded/routed such flows around the site. The proposed modification area is interior to the existing site and does not have upgradient water flowing across it.

b. 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:

Prior to site work beginning, the clearing and grading contractor will be responsible for the installation of all on-site control measures. The methodology for pollution prevention of on-site stormwater will include: (1) erection of silt fences along the downgradient boundary of construction activities for temporary erosion and sedimentation controls, (2) installation of rock berms with silt fencing downgradient from areas of concentrated stormwater flow for temporary erosion control (if needed), (3) installation of construction staging area(s), and (4) installation of a stabilized construction entrance/exit to reduce the sediment leaving the project area from vehicles.

The construction contractor will be responsible for the installation of all remaining on-site control measures that includes installation of the concrete truck washout pit(s), as construction phasing warrants. Temporary BMP measures are intended to provide a method of slowing the flow of runoff from the construction site in order to allow sediment and suspended solids to settle out of the runoff. By containing the sediment and solids within the site/project limits, they will not enter surface streams and/or sensitive features.

c. Description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer:

There are no naturally occurring sensitive features observed on the project limits, and no surface streams on, or adjacent to, the project limits. The Temporary BMPs utilized are adequate for the drainage areas served.

Temporary measures are intended to provide a method of slowing the flow of runoff from the construction site in order to allow sediment and suspended solids to settle out of the runoff. By containing the sediment and solids within the site, they will not enter surface streams and/or sensitive features.

d. 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:

There are no naturally occurring sensitive features observed on the site/project limits and no surface streams on, or adjacent to, the project limits. The Temporary BMPs utilized are adequate for the drainage areas served.



ATTACHMENT E: REQUEST TO TEMPOARILY SEAL A FEATURE

(THIS SECTION NOT APPLICABLE)



ATTACHMENT F: STRUCTURAL PRACTICES

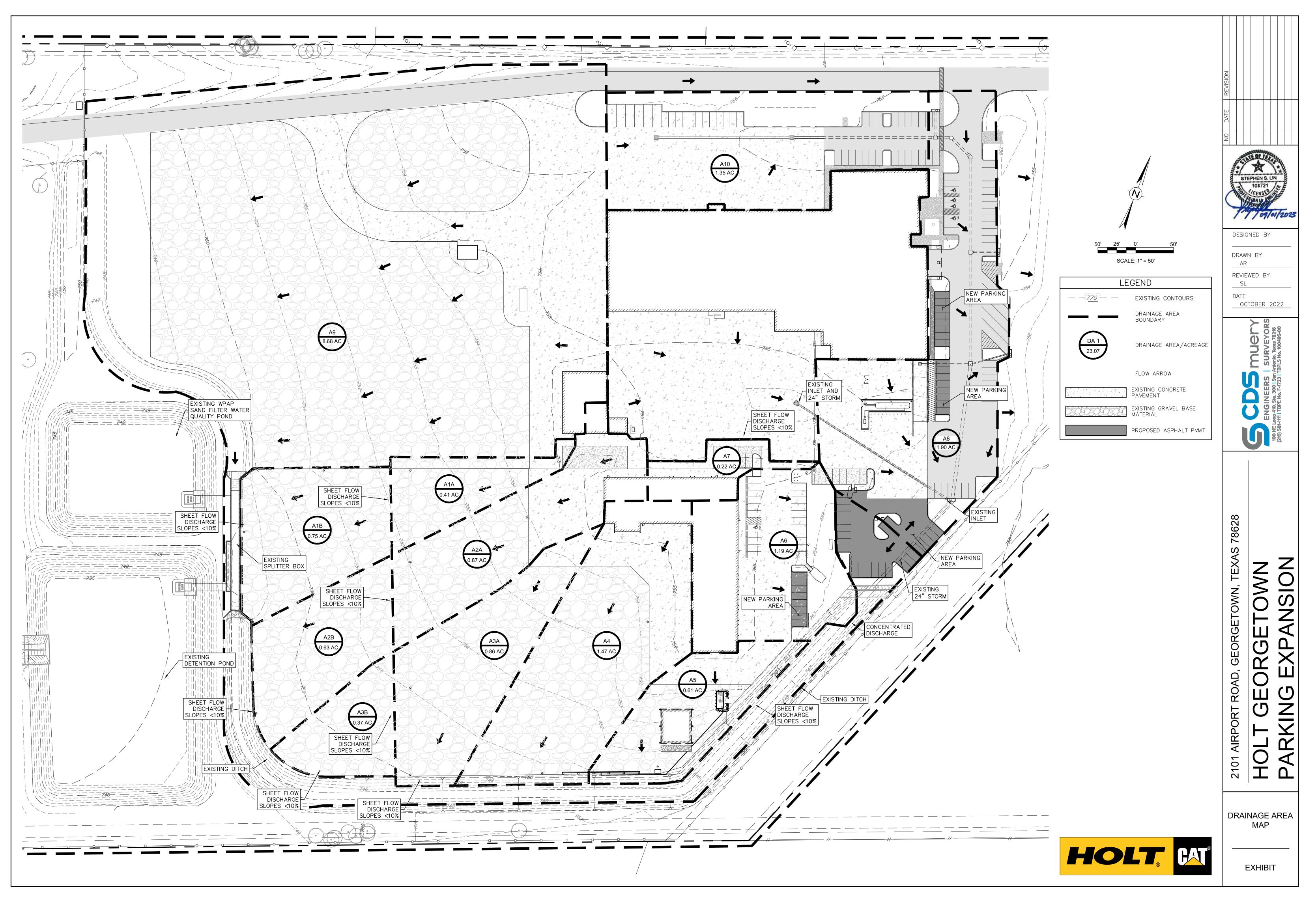
Temporary structural practices include:

- Silt Fencing: To be placed along the down gradient boundary of the limits of construction activities.
- Rock Berms: If needed, to serve as a secondary barrier to silt fencing and is to be placed in areas of concentrated flows, where indicated on construction plans, such as proposed channels and drainage swales.
- Construction Entrance/Exit: Will be placed to limit migration of sediment from the construction area as construction traffic enters and exits the limits of construction area and/or the site.
- Concrete Washout-Pits: To contain and control affected runoff from cement delivery trucks.

Please note that this site is not located within a studied floodplain and is not exposed to potential flooding that may occur during heavy rainfall periods. Therefore, site inundation is not expected to adversely impact proposed TBMP structures.



ATTACHMENT G: DRAINAGE AREA MAPS



Date: Sep 01, 2023, 11:18am User ID: royd:arenas File: P: \JOBS\2023\123175 HOLT Georgetown Parking Addition\Engineering\Site Design\TCEQ\WPAP\PDF\Working\DA-MAP.dwg



ATTACHMENT H: TEMPORARY SEDIMENT POND

(THIS SECTION NOT APPLICABLE)

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ATTACHMENT I: INSPECTIONS AND MAINTENANCE FOR BMP'S



Silt Fencing

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

Rock Berms

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

Temporary Construction Entrance/Exit

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

Concrete Washout Areas

- 1. To help reduce storm water pollution from concrete washes, ensure the following:
 - a. Incorporate requirements for concrete waste management into material supplier and subcontractor agreements.
 - b. Avoid mixing excess amounts of fresh concrete.
 - c. Perform washout of concrete trucks in designated areas only.
 - d. Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
 - e. Do not allow excess concrete to be dumped onsite, except in designated areas.
- 2. Materials used to construct concrete washout facilities should be removed from the site and disposed of.
- 3. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- 4. Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed of properly.
- 5. When temporary concrete washout facilities are no longer required for the work, the hardened concrete should be removed and disposed of.
- 6. Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities should be backfilled and repaired. If any sediment escapes the site during construction activities, off-site accumulations must be removed to minimize offsite impacts to water quality. An inspection form has been attached.



ATTACHMENT J: SCHEULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

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

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

Newly planted vegetation will be protected from construction traffic.

The project is scheduled for completion in the 2024 calendar year. During construction, Temporary BMPs will be implemented. All disturbed areas will be permanently stabilized as indicated on Site Plan by pavements, building foundations, or vegetative cover. Temporary BMPs may only be removed after all upgradient disturbed soils are permanently stabilized and all upgradient Permanent BMPs indicated in this WPAP are in working condition. (Note: for this modification, an existing sand filtration basin was constructed in the original WPAP and is in place and currently in operable condition).



PERMANENT STORMWATER SECTION (TCEQ-0600),

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: Stephen Lin, P.E



Permanent Best Management Practices (BMPs)

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

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



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

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

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

N/A

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

_____N/A

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

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

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

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

N/A

Responsibility for Maintenance of Permanent BMP(s)

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

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

N/A

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

N/A



ATTACHMENT A: 20% OR LESS IMPERVIOUS COVER WAIVER

(THIS SECTION IS NOT APPLICABLE)



ATTACHMENT B: BMPS FOR UPGRADIENT STORMWATER

The proposed modification is located within the interior of the existing site. <u>No upgradient water will cross the</u> <u>proposed modification area</u>. The original project intercepted upgradient water through earthen channels and was routed around the site to the "low" at the west side of the property.

The original WPAP designed and constructed one (1) Sand Filter Basin "A" and two (2) fifteen-foot (15') engineered vegetative filter strips (VFS) as the Permanent Best Management Practices (PBMPs) for this site. All PBMPs were designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) to remove 80% of the increase in TSS required by TCEQ and 85% per City of Georgetown guidelines. No changes are proposed to these existing permanent BMPs. This modification will produce a 0.32-acres increase in impervious cover and will continue to use the Sand Filtration Basin as its Permanent BMP measure. As the existing sand filter system was designed to treat 21.65 acres of impervious cover and this modification will bring the total impervious cover treated by the pond to 19.45-acres.



ATTACHMENT C: BMPS FOR ON-SITE STORMWATER

The original WPAP designed and constructed one (1) Sand Filter Basin "A" and two (2) fifteen-foot {15') engineered vegetative filter strips (VFS) as the Permanent Best Management Practices (PBMPs) for this site. All PBMPs were designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) to remove 80% of the increase in TSS required by TCEQ and 85% per City of Georgetown' guidelines. No changes are proposed to these existing permanent BMPs.

Based on the original WPAP approval (EAPP ID# 11000585), the existing Sand Filter Basin was designed for a watershed area of 22.88-acres with 21.65-acres of impervious cover (Watershed "C"). The first phase of the development included 12.72-acres of impervious cover within Watershed "C" that was built with the original construction project. When the Track Shop was constructed, an additional 4.47-acres of impervious cover was added with the first modification (EAPP ID# 11002544). The second modification was 1.94-acres of additional gravel base and was approved with (EAPP ID# 11002716). In the last and third approved modification (EAPP ID# 11003404) did not increase impervious cover with the construction of a PEMB building and the addition of a 1,200-gallon diesel fuel tank on a concrete pad. The total existing impervious cover to the sand filter basin is 19.13-acres which is below the 21.65-acres the sand filter basin was designed and approved for originally. The new modification will be for the construction of new 49 parking spaces and will add 0.32-acres of impervious of cover to the site, increasing the total area of impervious cover to the Water Quality Basin to 19.45-acres.



ATTACHMENT D: BMPS FOR SURFACE STREAMS

There are no surface streams or sensitive features within the modification project limits. The original WPAP resulted in the construction of one (1) Sand Filtration Basin "A" and two (2) fifteen-foot (15') engineered vegetative filter strips (VFS) as the Permanent Best Management Practices (PBMPs) for this site. All PBMPs were designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) to remove 80% of the increase in TSS required by TCEQ and 85% per City of Georgetown guidelines. No changes are proposed to these existing permanent BMPs.



ATTACHMENT E: REQUEST TO SEAL FEATURES

(THIS SECTION IS NOT APPLICABLE)

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ATTACHMENT F: CONSTRUCTION PLANS

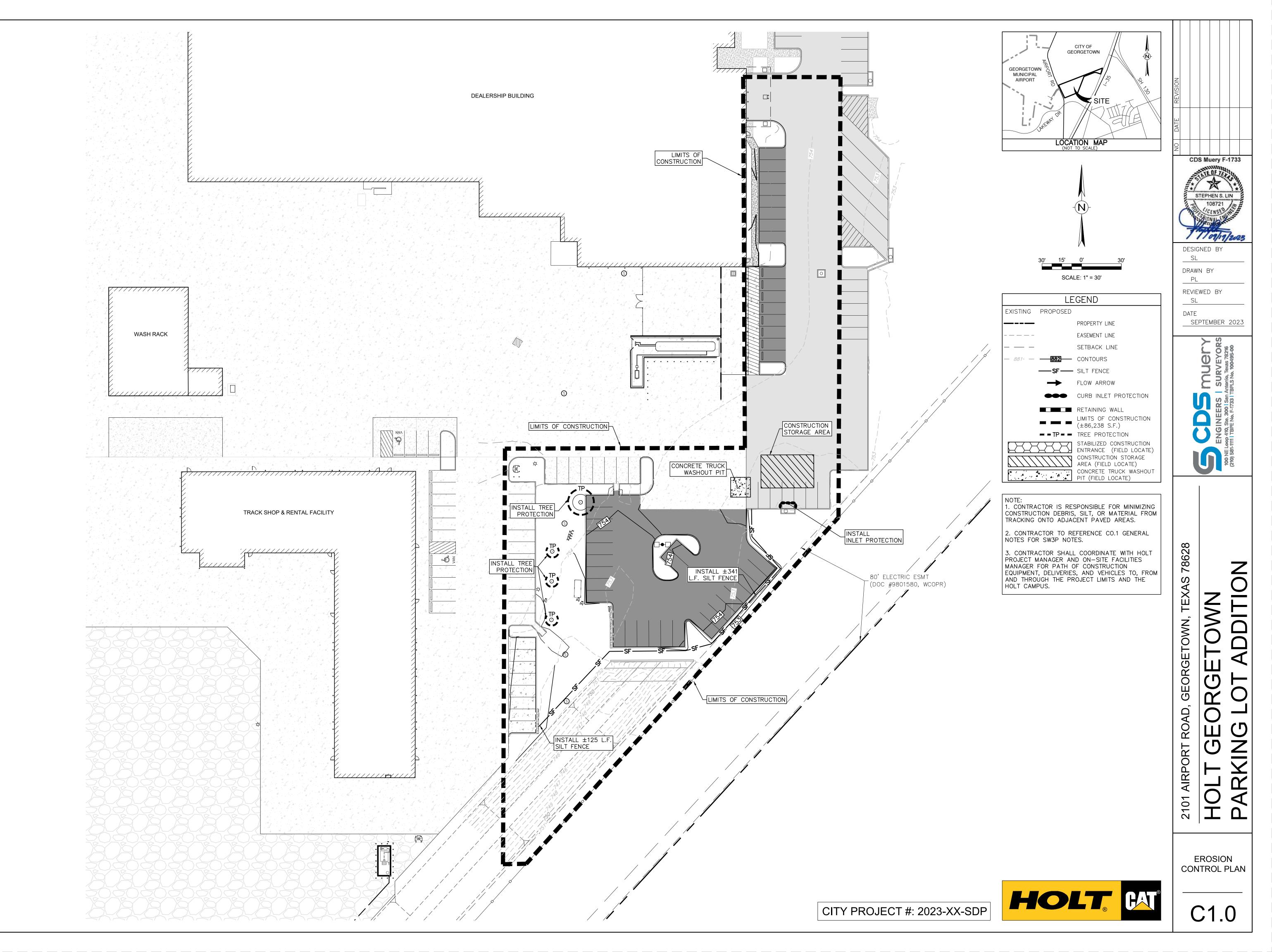
The original WPAP designed and constructed one (1) Sand Filtration Basin "A" and two (2) fifteen-foot (15') engineered vegetative filter strips (VFS) as the Permanent Best Management Practices (PBMPs) for this site. All PBMPs were designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) to remove 80% of the increase in TSS required by TCEQ and 85% per City of Georgetown guidelines. No changes are proposed to these existing permanent BMPs.

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Since improvements or modifications to the existing sand filter basin is not required, the following documents are included in Attachment F:

- TCEQ Site Plan (shows proposed modification improvement within Watershed "C").
- Erosion and Sedimentation Control Plan and Details and TCEQ Construction Notes (proposed modification improvements within Watershed "C").
- Design Calculation (TSS removal spreadsheet calculation) from the original WPAP application (EAPP ID# 11000585).
- Erosion Control Plan, Details and TCEQ construction Notes from the original WPAP application.
- Permanent WPAP Plan Details from the original WPAP application.





20 GAUGE WOVEN WIRE SHEATHING WITH 1 INCH OPENINGS 3" TO 5" OPEN GRADED ROCK
CROSS SECTION WOVEN WIRE SHEATHING 3" TO 5" OPEN GRADED ROCK 3" TO 5" OPEN GRADED ROCK USUAL THE GROUND OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION. 1. LAYOUT THE ROCK BERM FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR. 2. LAYOUT THE GROUND OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION. PLACE WOVEN WIRE FABRIC ON THE GROUND ALONG THE PROPOSED INSTALLATION WITH ENOUGH OVERLAP TO COMPLETELY ENGINCLE PLACE THE GROCK ALONG THE CENTER OF THE WIRE TO THE DESIGNATED HEIGHT.
WRAP THE STRUCTURE WITH THE PREVIOUSLY PLACED WIRE MESH SECURE ENOUGH SO THAT WHEN WALKED ACROSS THE STRUCTURE RETAINS IT'S SHAPE. SECURE WITH THE WIRE. THE ENDS OF THE BERM SHOULD BE TED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROX. 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL. THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED. <u>INSPECTION AND MAINTENANCE GUIDELINES:</u> INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL EVENT BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STRAMEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED MENNERANY LOOSE WIRE SHEATHING. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION. THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC. THE ARCHITECTURE ASSUMES responsibility for appropriate use of this standard. OUTY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS ROCK BERM DETAIL OUTY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS ROCK BERM DETAIL OUTY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS ROCK BERM DETAIL
NOT TO SCALE

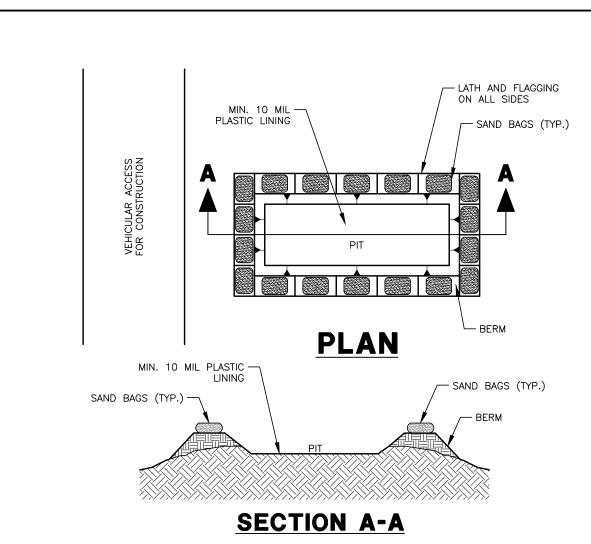
CONCRETE TRUCK WASHOUT PIT NOT TO SCALE

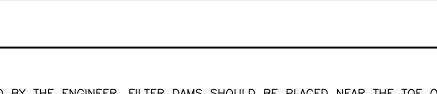
- 3. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.
- 2. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF.
- <u>MAINTENANCE</u> 1. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHOULD BE REMOVED AND DISPOSED OF.

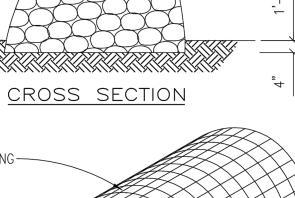
<u>MATERIALS</u> PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.

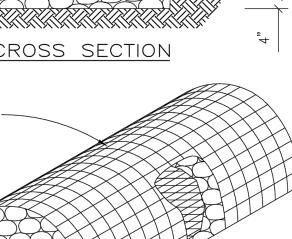
- 5. TEMPORARY CONCRETE WASHOUT FACILITY SHOULD BE CONSTRUCTED WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
- 4. LOCATE WASHOUT AREA AT LEAST 50 FEET FROM SENSITIVE FEATURES, STORM DRAINS, OPEN DITCHES OR WATER BODIES.
- 2. WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC. 3. WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF.
- 1. DETAIL ABOVE ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE INCREASED IN SIZE DEPENDING ON EXPECTED FREQUENCY OF USE.

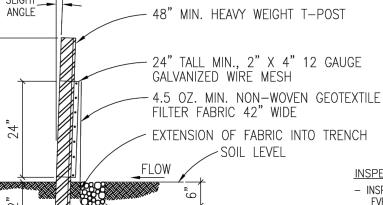
GENERAL NOTES











– TRENCH

GEOTEXTILE -----

CROSS SECTION

FLOW AREAS WILL NOT BE ACCEPTED.

FLOW OR DRAINAGE.

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I EXAS

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 INSIDE EXCAVATED TRENCH. THE FABRIC TO OVERLAP THE TOP OF THE WIRE BY 1".

DRIVE THE HEAVY DUTY T-POST AT LEAST 12 INCHES INTO THE GROUND AND AT A SLIGHT ANGLE TOWARDS THE FLOW.

SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM

CITY OF GEORGETOWN

CONSTRUCTION STANDARDS AND DETAILS

SILT FENCE DETAIL

LAYOUT THE SILT FENCE FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR. CLEAR THE GROUND OF DEBRIS, ROCKS, PLANTS (INCLUDING GRASSES TALLER THAN 2") TO PROVIDE A SMOOTH FLOW APPROACH SURFACE. EXCAVATE 6" DEEP X 6" WIDE TRENCH ON UPSTREAM SIDE OF FACE PER PLANS.

ANCHOR THE SILT FENCE BY BACKFILLING WITH EXCAVATED DIRT AND ROCKS (NOT LARGER THAN 2").

- INSTALLATION:

WOVEN WIRE SUPPORT 2" X 4" WIRE MESH

INSPECTION AND MAINTENANCE GUIDELINES: - INSPECT ALL FENCING WEEKLY, AND AFTER ANY RAINFALL **FVFN** - REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES. - REPLACE ANY TORN FABRIC. - REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY.

responsibility for appropriate

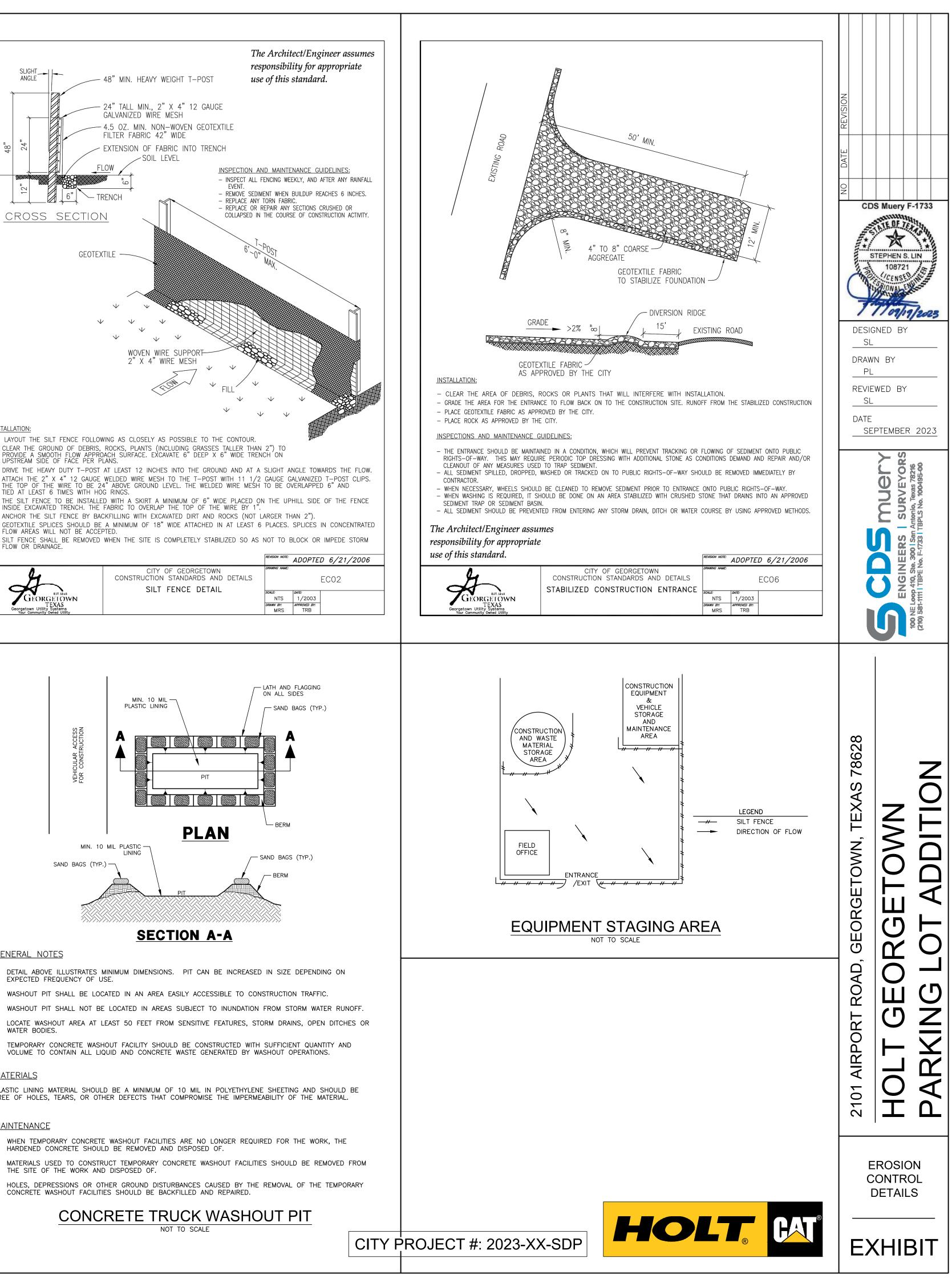
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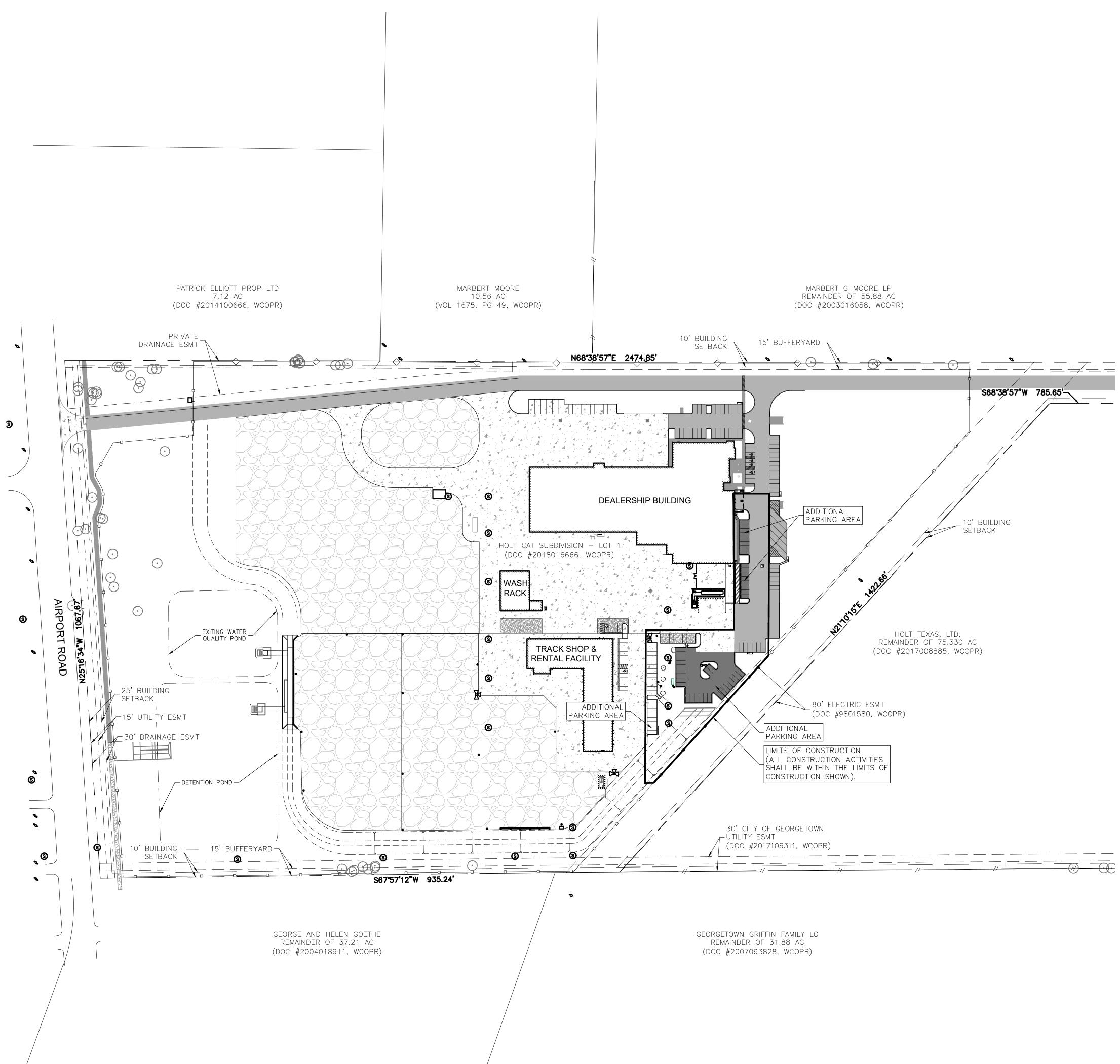
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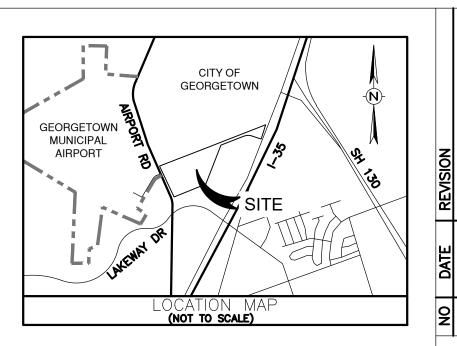
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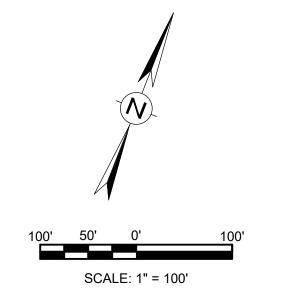
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use of this standard.









CDS Muery F-1733

STEPHEN S. LIN 108721

17/09/19/2023

DESIGNED BY

DRAWN BY

REVIEWED BY

SEPTEMBER 2023

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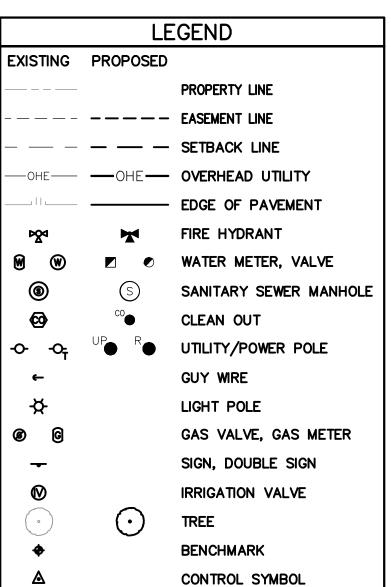
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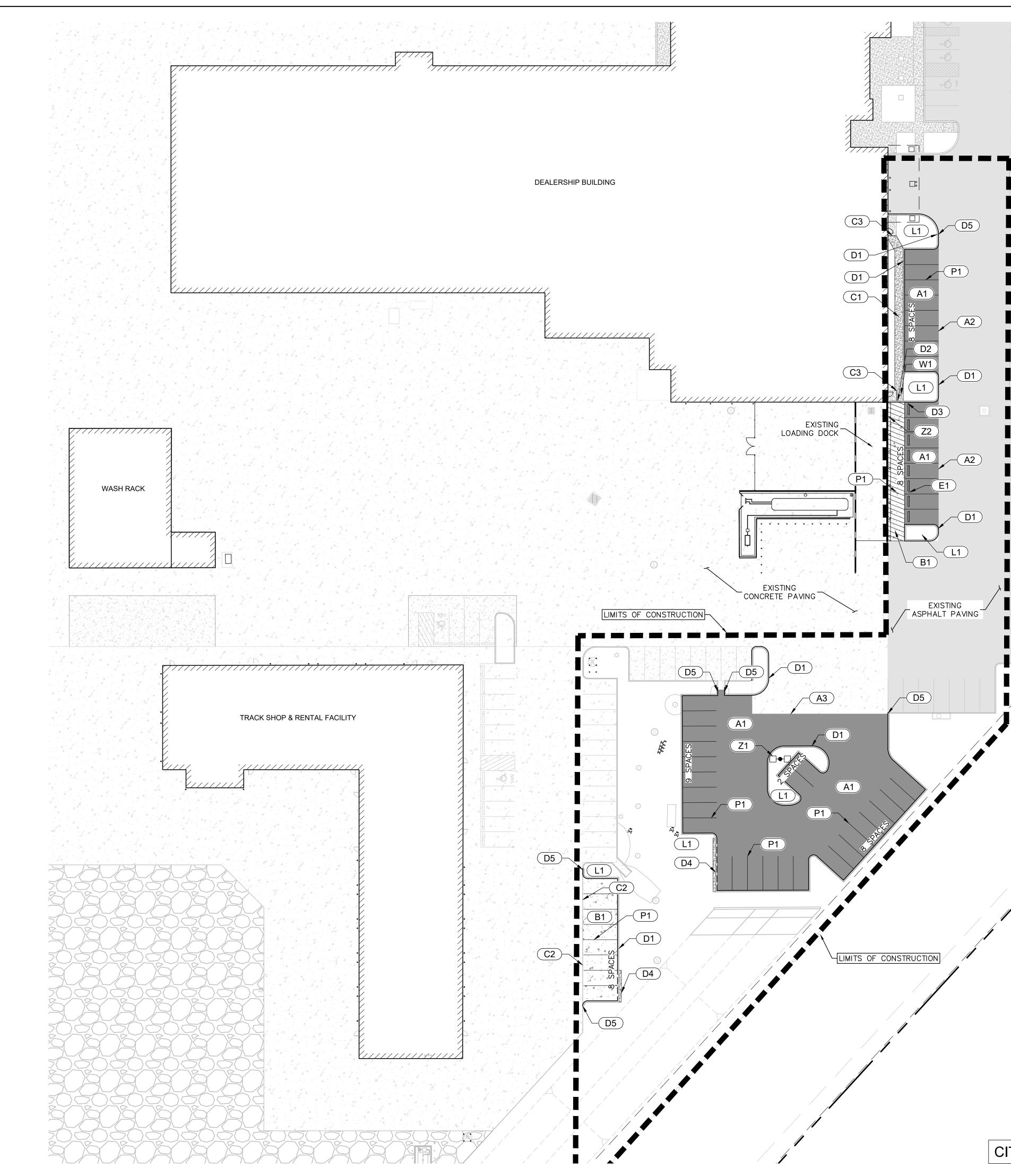


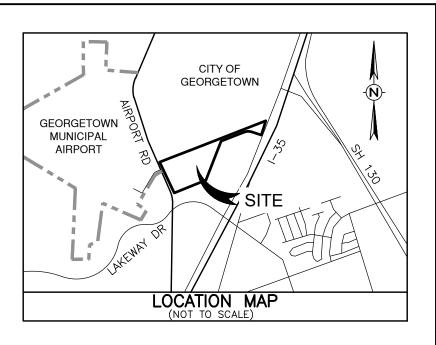
CITY PROJECT #: 2023-XX-SDP

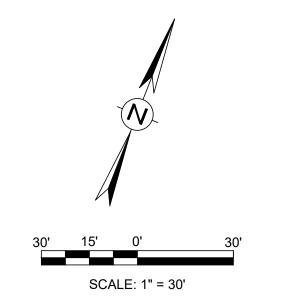
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OVERALL SITE PLAN









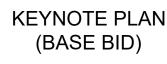
KEYNOTES
A1 ASPHALT PVMT: MEDIUM DUTY (SEE SHT. –) ASPHALT/ASPHALT PAVEMENT JUNCTURE (SEE SHT. –)
A3 ASPHALT/CONCRETE PAVEMENT JUNCTURE (SEE SHT. –)

(B1)	CONCRETE PVMT: LIGHT DUTY (SEE SHT. C3.6)
(B2)	CONCRETE PVMT: MEDIUM DUTY (SEE SHT. C3.6)
C1)	CONCRETE SIDEWALK/CURB COMBINATION (SEE SHT. C3.6)
C2	CONCRETE/CONCRETE PAVEMENT JUNCTURE (SEE SHT. C3.4)
C3	SIDEWALK TO EXISTING SIDEWALK JUNCTURE (SEE SHT. C3.6)
D1)	CURB: STANDARD STAND–UP CURB (6" HIGH) (SEE SHT. C3.4)
(D2)	CURB: STANDARD FLUSH CURB (SEE SHT. C3.4)
D 3	CURB: TRANSITION CURB (SEE SHT. C3.6)
D 4	SAWTOOTH CURBING WITH 18" RIPRAP (SEE SHEET C3.4)
D5	TIE TO EXISTING CONCRETE CURBING (SEE SHEET C3.4)
E1	PRECAST CONCRETE WHEEL STOP (TYP.) (SEE SHT. C3.6)
(L1)	LANDSCAPE AREA (SEE LANDSCAPE SHEET)
(P1)	PVMT MRKG: 4" WIDE PAINTED WHITE STRIPE

- P1 (SEE SHT. CC3.6)
- W1 WHEELCHAIR RAMP (SEE SHT. C3.7)
- Z1LIGHT POLE (SEE MEP SHEETS)Z2INSTALL METAL BEAM GUARD FENCE WITH I-BEAM
STEEL POST (SEE SHEET C3.5)

LEGEND		
EXISTING	PROPOSED	
		PROPERTY LINE
		EASEMENT LINE
		SETBACK LINE
——ОНЕ——	OHE	OVERHEAD UTILITY
II		EDGE OF PAVEMENT
	M	FIRE HYDRANT
\boxtimes \boxtimes		WATER METER, VALVE
(3)	S	SANITARY SEWER MANHOLE
-X-		LIGHT POLE
		SIGN
•	\odot	TREE
		CONCRETE WALK/FLATWORK
₹		CONCRETE PVMT
		ASPHALT PVMT



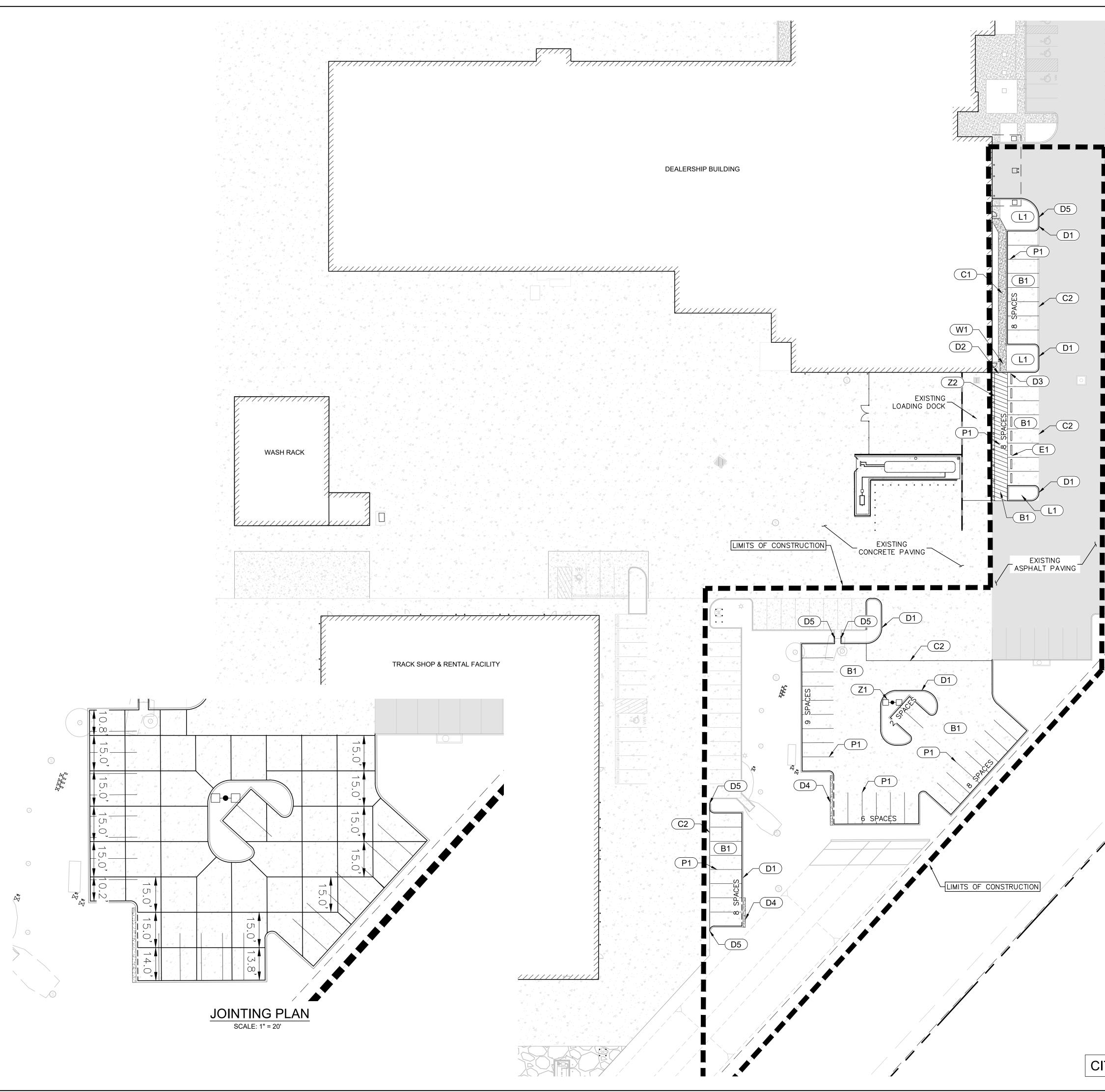


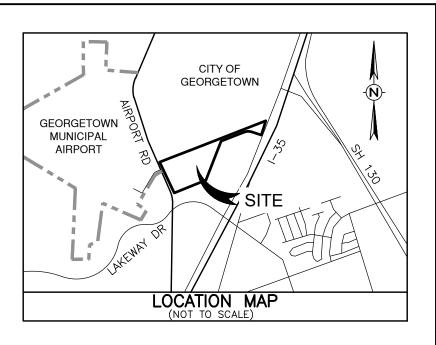
C3.1

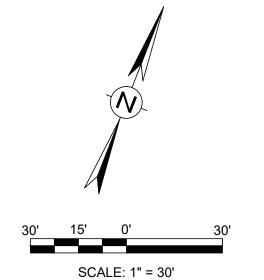


CITY PROJECT #: 2023-XX-SDP









KEYNOTES
A1) ASPHALT PVMT: MEDIUM DUTY (SEE SHT. –)
A2 ASPHALT/ASPHALT PAVEMENT JUNCTURE (SEE SHT. –)
ASPHALT/CONCRETE PAVEMENT JUNCTURE (SEE SHT. –)
B1 CONCRETE PVMT: LIGHT DUTY (SEE SHT. C3.6)
B2 CONCRETE PVMT: MEDIUM DUTY (SEE SHT. C3.6)
C1 CONCRETE SIDEWALK/CURB COMBINATION (SEE SHT. C3.6)
C2 CONCRETE/CONCRETE PAVEMENT JUNCTURE (SEE SHT. C3.4)
C3 SIDEWALK TO EXISTING SIDEWALK JUNCTURE (SEE SHT. C3.6)
D1 CURB: STANDARD STAND-UP CURB (6" HIGH) (SEE SHT. C3.4)
D2 CURB: STANDARD FLUSH CURB (SEE SHT. C3.4)
D3 CURB: TRANSITION CURB (SEE SHT. C3.6)
D4 SAWTOOTH CURBING WITH 18" RIPRAP (SEE SHEET C3.4)
D5 TIE TO EXISTING CONCRETE CURBING (SEE SHEET C3.4)
E1 PRECAST CONCRETE WHEEL STOP (TYP.) (SEE SHT. C3.6)
L1 LANDSCAPE AREA (SEE LANDSCAPE SHEET)
PVMT MRKG: 4" WIDE PAINTED WHITE STRIPE (SEE SHT. CC3.6)
W1 WHEELCHAIR RAMP (SEE SHT. C3.7)
Z1 LIGHT POLE (SEE MEP SHEETS)
Z2 INSTALL METAL BEAM GUARD FENCE WITH I-BEAM STEEL POST (SEE SHEET C3.5)

LEGEND		
EXISTING PROPOSED		
	PROPERTY LINE	
	EASEMENT LINE	
	SETBACK LINE	
	OVERHEAD UTILITY	
11	EDGE OF PAVEMENT	
× ×	FIRE HYDRANT	
	WATER METER, VALVE	
© (S)	SANITARY SEWER MANHOLE	
-À-	LIGHT POLE	
- 0 -	SIGN	
\odot \odot	TREE	
	PROPOSED CONCRETE WALK/FLATWORK	
₹	PROPOSED CONCRETE PVMT	
DEJ	DOWELED EXPANSION JOINT	
DCJ	DOWELED CONSTRUCTION JOINT	
IJ	ISOLATION JOINT	
EJ	EXPANSION JOINT	
CJ	CONTRACTION JOINT	





CITY PROJECT #: 2023-XX-SDP

C3.2



TCEQ POLLUTANT LOAD AND REMOVAL CALCULATIONS / SPREADSHEET

CDS MUERY HAS REVIEWED THE ORIGINAL WPAP PULLUTANT LOAD AND REMOVAL CALCULATIONS PREPARED BY PAPE DAWSON ENGINEERS AS PART OF EAPP ID# 11000585 AND THE CALCUATIONS ARE IN SUBSTANTIAL CONFORMACE TO THE TCEQ AND CITY OF GEORGETOWN REQUIREMENTS. THE ORIGINAL CALCULATIONS ARE ATTACHED.





POLLUTANT LOAD AND REMOVAL CALCULATIONS

HOLTCAT GEORGETOWN

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Watershied	Total Watershed Area (ac.)	Existing Proposed Impervious Cover Impervious Cover (ac.)	Proposed Impervious Cover (acc)	dWBd	Required TSS Removal Annually (fbs)	TSS Removed Annually (Ibs) TCEO	Amnually (Ibs) Georgehown
Uncaptured A	0.14	1	0.14	Overtreatment Water Quality Basin "A"	122		
8	0.32		0.32	15' Engineered VFS	279	279	279
U	22.88	0.21	21.65	Water Quality Basin "A"	18,661	18,888	20,068
0	3.78		2.63	15' Engineered VFS	2,289	2,289	2,289
Uncaptured E	0.12		0.12	Overtreatment Water Quality Basin "A"	104		
a state of the second			a state of the second s				
TOTAL	27.24	0.21	24.86		21,455	21,455	22,636
Besic her heen deriv	* Desir has hear desired to treat 060/ of TCC concreted nor	ij sou potosou jj	the officerstation of the second s	رتف مغ المستعلمات عن الماليات المالية (100% / 10%) + TCEO TCC Branning كالمستعلمات	Cites baucase 231 O	[7]	

Basin has been designed to treat 85% of 155 generated per Lity of Georgetown guidelines (1277/80%) 7 1 LEQ 155 Removed Aminuelly 1

Water Quality Basin Summary for TCEQ

Designed Capture	Required Voluitie	Excess Volume	Designed Sand Area	Required Send Area	Excess Sand Area
Volume (cf)	(of)	Capacity (cf)	(sf)	(sf)	(sf)
199,274	115,490	83,784	18,005	9,624	

Design for 85% removal required by City of Georgetown

Volutime (cf)	Required Volume (of)	Excess Volume Gapacity (cf)	Designed Sand Area (sf)	Designed Sand Area Required Sand Area Excess Sand Area (sf) (sf) (sf)	Excess Sand Area (sf)
199,274	184,784	14,490	18,005	15,399	2,606

t	LM TOTAL PROJECT = 22526 lbs. * The values entered in these fields should be for the total project area.	Site Data: Determine Required Load Removal Based on the Entire Project County = Williamson Total project area included in plan = 48.67 acres Predevelopment impervious area within the limits of the plan = 0.21 acres Total post-development impervious cover fraction $t = 26.09$ acres Total post-development impervious cover fraction $t = -26.09$ acres P = -32 inches	A_{N} = Net increase in impervious area for the project P = Average annual precipitation, inches	Page 3-29 Equation 3.3: $L_{M} = 27.2(A_{N} \times P)$	1. The Required Load Reduction for the total project: Calculations from RG-348	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 spri	TSS Removal Calculations 04-20-2009 Date Prepared: 3/1/2017	Texas Commission on Environmental Quality	
Site Data: Determine Required Load Removal Based on the Entire Pr Cou Total project area included in plar Predevelopment impervious area within the limits of the pla Total post-development impervious cover fractio Total post-development impervious cover fractio The values entered in these fields should be for the total project area	Aw = Net increase in impervious area for the projectP = Average annual precipitation, inchesSite Data: Determine Required Load Removal Based on the Entire ProjectCounty = ValuationTotal project area included in plan *= 48.67AcresTotal post-development impervious area within the limits of the plan *= 0.21AcresTotal post-development impervious cover fraction * = 0.21P = 32Inches	A_{N} = Net increase in impervious area for the project P = Average annual precipitation, inches			Page 3-29 Equation 3.3: Lu = 27.2(Au x P)	Calculations from RG-348		riangle in the upper right corner. Plachnical Guidance Manual - RG-348. Changes to these fields will remov Calculations from RG-348 33: Lu = 27.2(Aux P)	r iangle in the upper right corner. Pl echnical Guidance Manual - RG-348. Changes to these fields will remov Changes to these fields will remov Calculations from RG-348
exas Commission on Environmental Quality SS Removal Calculations of -20-2009 SS Removal Calculation is provided for cells with a red triangle in the upper right corner. Pli ext shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. tharacters shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. tharacters shown in blue indicate location for a eater and triangle in the upper right corner. Pli tharacters shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. tharacters shown in blue (Rold) are calculated fields. Changes to these fields will remov The Required Load Reduction for the total project: The Required Load Removal Based on the Entire Project Mere: L _{WTOTAL PROJECT} Calculation from RG-348 Site Data: Determine Required Load Removal Based on the Entire Project County = Milliamson Total post-development impervious area within the limits of the plan = 0.21 acres Total post-development impervious cover fraction : = 0.24 acres The values entered in these fields should be for the total project area. The values entered in these fields should be for the total project area.	riangle in the upper right corner. Place chnical Guidance Manual - RG-348. Changes to these fields will remov Changes to these fields will remov Changes to these fields will remov Changes to these fields will remov and recontage annual precipitation, inche $A_N = Net increase in impervious area forA_N = Net increase in impervious area forA_N = Net increase in impervious area forprotect = Average annual precipitation, incheA_N = Net increase in impervious area forA_N = Net increase in impervious area forplan * = 0.21county = 0.54plan * = 0.54inchesplan * = 0.54inches$	Iangle in the upper right corner. Plicechnical Guidance Manual - RG-348. Changes to these fields will remov Calculations from RG-348 3.3: L _M = 27.2(A _N × P) Broutect = Required TSS removal resulting from A _N = Net increase in impervious area for PROJECT = Required TSS removal resulting from A _N = Net increase in impervious area for PROJECT = Required TSS removal resulting from A _N = Net increase in impervious area for PROJECT = Required TSS removal resulting from A _N = Net increase in impervious area for PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, incheding to the PROJECT = Required TSS removal precipitation, the PROJECT = Required TSS removal precipitation precipitation precipitation precipitation precipitation precipitaticon precipitation precipitation precipitation precipitation precip	r iangle in the upper right corner. Pli echnical Guidance Manual - RG-348. Changes to these fields will remov Changes to these fields will remov 3.3: L _M = 27.2(A _N × P) 3.3: L _M = 27.2(A _N × P)	iangle in the upper right corner. Pli echnical Guidance Manual - RG-348. Changes to these fields will remov Calculations from RG-348	riangle in the upper right corner. Pla echnical Guidance Manual - RG-348. Changes to these fields will remov		Texas Commission on Environmental Quality		

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

Drainage Basin/Outfall Area No. =	Basin A	
Total drainage basin/outfall area =	22.88	acres
Predevelopment impervious area within drainage basin/outfall area =	0.21	acres
Post-development impervious area within drainage basin/outfall area =	21.65	acres
Post-development impervious fraction within drainage basin/outfall area =	0.95	
L-M THIS BASIN =	18661	lbs.
3. Indicate the proposed BMP Code for this basin.		
Proposed BMP = Sand Filter	sand Filter	

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

percent

68

Removal efficiency =

4. Calculate Maximum TSS Load Removed (L_s) 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)

where:

 A_{c} = Total On-Site drainage area in the BMP catchment area

A₁ = 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

			Calculations from RG-348 Pages 3-:			Pages 3-36 to 3-37	ž			۵.	G-348 Pages 3-42 to 3-46	
	lbs.		ea.	inches	cubic feet	Calculations from RG-348	acres acres	cubic feet		cubic feet selected BM	Designed as Required in RG-348	cubic feet
ş	18888	0.88	<u>n / outfall a</u>	1.50	96241	alculations fi	0.00 0.00	0.0	19248	115490 e(s) for the	esigned as F	AN
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area	Desired Lm THIS BASIN =	H L	<u>6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.</u>	Rainfall Depth =	Post Development Humon Coenticient = On-site Water Quality Volume =		Off-site area draining to BMP = Off-site Impervious cover draining to BMP = Impervious fraction of off-site area =	Off-site Runoff Coefficient = Off-site Water Quality Volume =	Storage for Sediment =	The following sections are used to calculate the required water quality volume(s) x 1.20) = 115490 cubic feet The following sections are used to calculate the required water quality volume(s) for the selected BMP	The values for DMP Types not selected in Cell C45 Will Show INA.	Required Water Quality Volume for retention basin =

acres acres acres Ibs

22.88 21.65 **1.23** 21353

Irrigation Area Calculations:		92 94	
Soil infiltration/permeability rate = Irrigation area =	0.1 NA	in/hr Enter determined permeability rate or assul square feet acres	rate or assur
8. Extended Detention Basin System	Designed as	Designed as Required in RG-348 Pages 3-46 to 3-51	6 to 3-51
Required Water Quality Volume for extended detention basin =	NA	cubic feet	
9. Filter area for Sand Filters	Designed as I	Designed as Required in RG-348 Pages 3-58 to 3-63	8 to 3-63
9A. Full Sedimentation and Filtration System			
Water Quality Volume for sedimentation basin =	115490	cubic feet	
Minimum filter basin area =	5347	square feet	
Maximum sedimentation basin area = Minimum sedimentation basin area =	48121 12030	square feet For minimum water depth of 2 feet square feet For maximum water depth of 8 feet	feet i feet
9B. Partial Sedimentation and Filtration System	2 7		
Water Quality Volume for combined basins =	115490	cubic feet	
Minimum filter basin area =	9624	square feet	
Maximum sedimentation basin area = Minimum sedimentation basin area =	38497 2406	square feet For minimum water depth of 2 feet square feet For maximum water depth of 8 feet	feet
10. Bioretention System	Designed as I	Designed as Required in RG-348 Pages 3-63 to 3-65	3 to 3-65

Required Water Quality Volume for Bioretention Basin =

cubic feet AN

|--|

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

Drainage Basin/Outfall Area No. = Basin A-85%

lbs.	18661	LM THIS BASIN =
	0.95	Post-development impervious fraction within drainage basin/outfall area =
acres	21.65	Post-development impervious area within drainage basin/outfall area =
acres	0.21	Predevelopment impervious area within drainage basin/outfall area =
acres	22.88	Total drainage basin/outfall area =

n ſ

3. Indicate the proposed BMP Code for this basin.

percent Proposed BMP = Sand Filter 80 Removal efficiency =

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

4. Calculate Maximum TSS Load Removed (La) 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)

where:

 A_{c} = Total On-Site drainage area in the BMP catchment area

A₁ = Impervious area proposed in the BMP catchment area

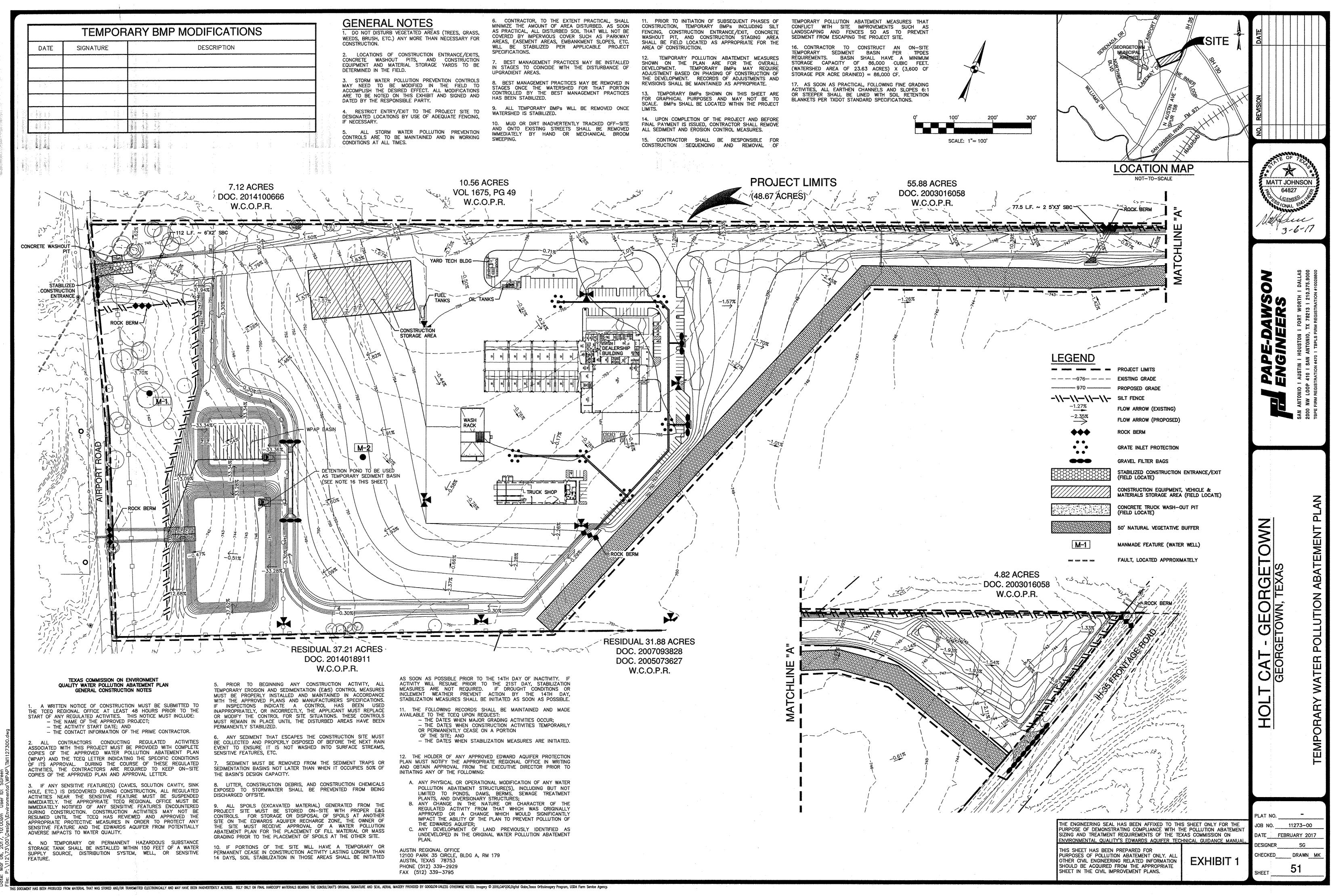
 A_{P} = Pervious area remaining in the BMP catchment area

 L_{R} = TSS Load removed from this catchment area by the proposed BMP

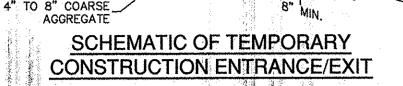
					20 20				Calculations from RG-348 Pages 3-(a		Pages 3-36 to 3-37					-348 Pages 3-42 to 3-46	,	
acres	artac		acres	lbs			lbs.		еа.	inches	cubic feet	Calculations from RG-348	acres acres	cubic feet	ruhir faat	selected BMP	Designed as Required in RG-348	cubic feet	
22.88	31 66	10.12	1.23	21353		0)	20068	0.94	<u>i / outfall ar</u>	2.40	153986	alculations fi	0.00	0.0	30797 184784	s(s) for the	signed as F	NA	
Ac	A. =		Ap =	La		5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area	Desired LM THIS BASIN =		<u>6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.</u>	Rainfall Depth =			Off-site area draining to BMP = Off-site Impervious cover draining to BMP =	Impervious traction of ott-site area = Off-site Runoff Coefficient = Off-site Water Quality Volume =	Storage for Sediment = Total Canture Volume (required water guality volume(s) × 1 20)	The following sections are used to calculate the required water quality volume(s) for the selected BMP.	The values for BMP Types not selected in cell C45 will show NA. 7. Retention/Irrigation System	Required Water Quality Volume for retention basin =	

Soil infiltration/permeability rate = Irrigation area =	0.1 NA	in/hr square feet acres	Enter determined permeability rate or assu	
8. Extended Detention Basin System	Designed as I	Designed as Required in RG-348	1-348 Pages 3-46 to 3-51	
Required Water Quality Volume for extended detention basin =	NA	cubic feet		
<u>9. Filter area for Sand Filters</u>	Designed as f	Designed as Required in RG-348	i-348 Pages 3-58 to 3-63	
9A. Full Sedimentation and Filtration System				
Water Quality Volume for sedimentation basin =	184784	cubic feet		
Minimum filter basin area =	8555	square feet		
Maximum sedimentation basin area = Minimum sedimentation basin area =	76993 19248	square feet square feet	For minimum water depth of 2 feet For maximum water depth of 8 feet	
<u>9B. Partial Sedimentation and Filtration System</u>	<u>.</u> 9		6)	
Water Quality Volume for combined basins =	184784	cubic feet		
Minimum filter basin area =	15399	square feet		
Maximum sedimentation basin area = Minimum sedimentation basin area =	61595 3850	square feet square feet	For minimum water depth of 2 feet For maximum water depth of 8 feet	
· · · ·				
10. Bioretention System	Jesigned as F	Designed as Hequired in HG-348	-348 -348	
Required Water Quality Volume for Bioretention Basin =	NA	cubic feet		

Irrigation Area Calculations:



DIVERSION RIDGE-GEOTEXTILE FABRIC T STABILIZE FOUNDATION



MATERIALS 1. THE AGGREGATE SHOULD CONSIST OF 4-INCH TO 8-INCH WASHED STONE OVER A-STABLE FOUNDATION AS SPECIFIED IN THE PLAN.

THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8-INCHES.

3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIFICALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROXIMATE WEIGHT OF 6 OZ/YD2. A MULLEN BURST RATING OF 140 LB/IN2, AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.

4. IF A WASHING FACILITY IS REQUIRED, A LEVEL AREA WITH A MINIMUM OF 4-INCH DIAMETER WASHED STONE OR COMMERCIAL ROCK SHOULD BE INCLUDED IN THE PLANS, DIVERT WASTEWATER TO A SEDIMENT TRAP OR

INSTALLATION

1. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.

2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER. 3. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.

4. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE, 6-INCHES TO 8-INCHES HIGH WITH 3:1 (H:V) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.

5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.

6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.

7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

SECTION "A-A" OF A CONSTRUCTION ENTRANCE/EXIT

GEOTEXTILE FABRIC TO

STABILIZE FOUNDATION

COMMON TROUBLE POINTS 1. INADEQUATE RUNOFF CONTROL-SEDIMENT WASHES ONTO PUBLIC ROAD.

PUBLIC ROAD

, STONE TOO SMALL OR GEOTEXTILE FABRIC ABSENT, RESULTS IN MUDDY CONDITION AS STONE IS PRESSED INTO SOIL. 3. PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC-EXTEND PAD BEYOND

THE MINIMUM 50-FOOT LENGTH AS NECESSARY. 4. PAD NOT FLARED SUFFICIENTLY AT ROAD SURFACE, RESULTS IN MUD BEING TRACKED ON TO ROAD AND POSSIBLE DAMAGE TO ROAD.

5. UNSTABLE FOUNDATION - USE GEOTEXTILE FABRIC UNDER PAD AND/OR IMPROVE FOUNDATION DRAINAGE.

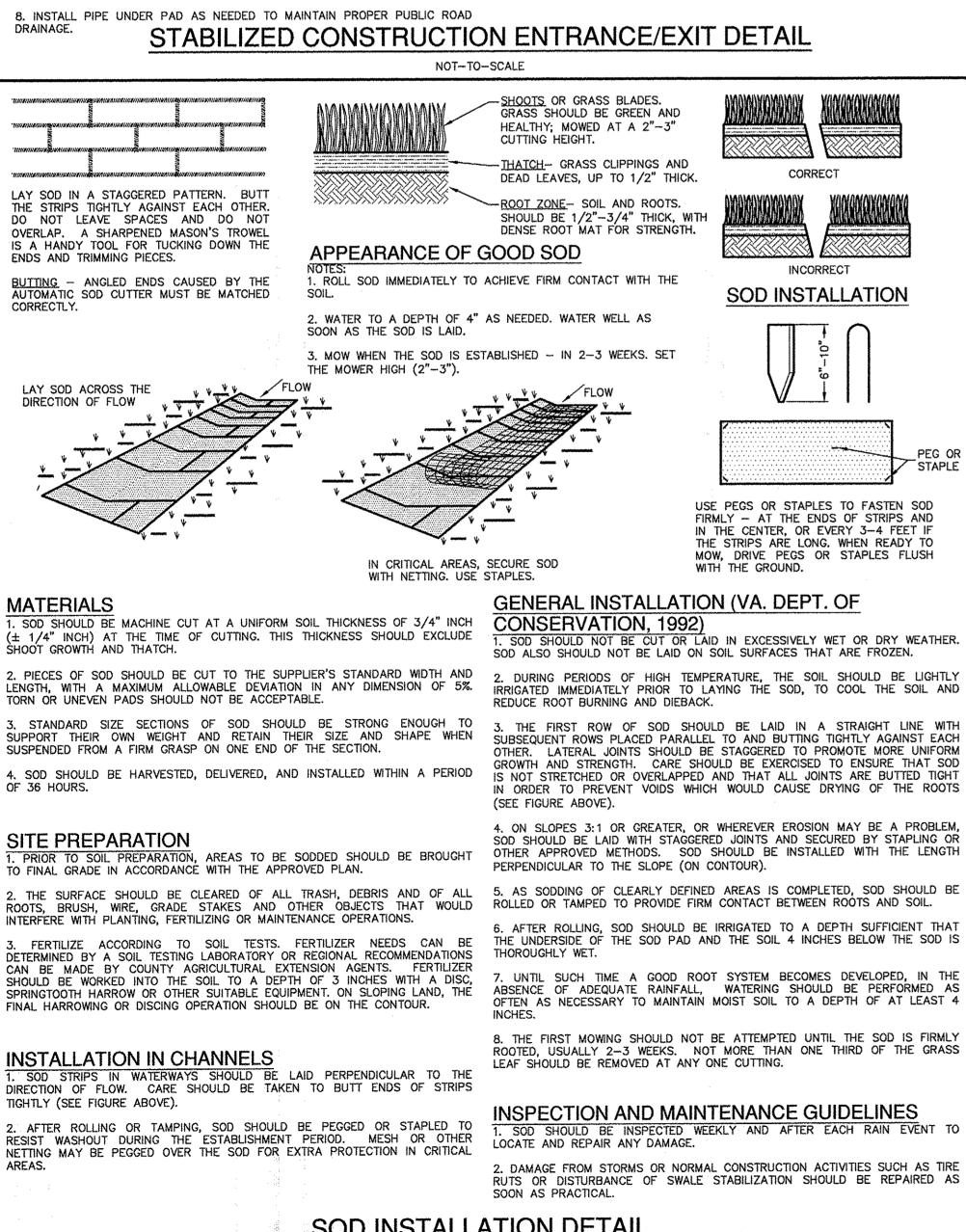
INSPECTION AND MAINTENANCE GUIDELINES THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL

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.

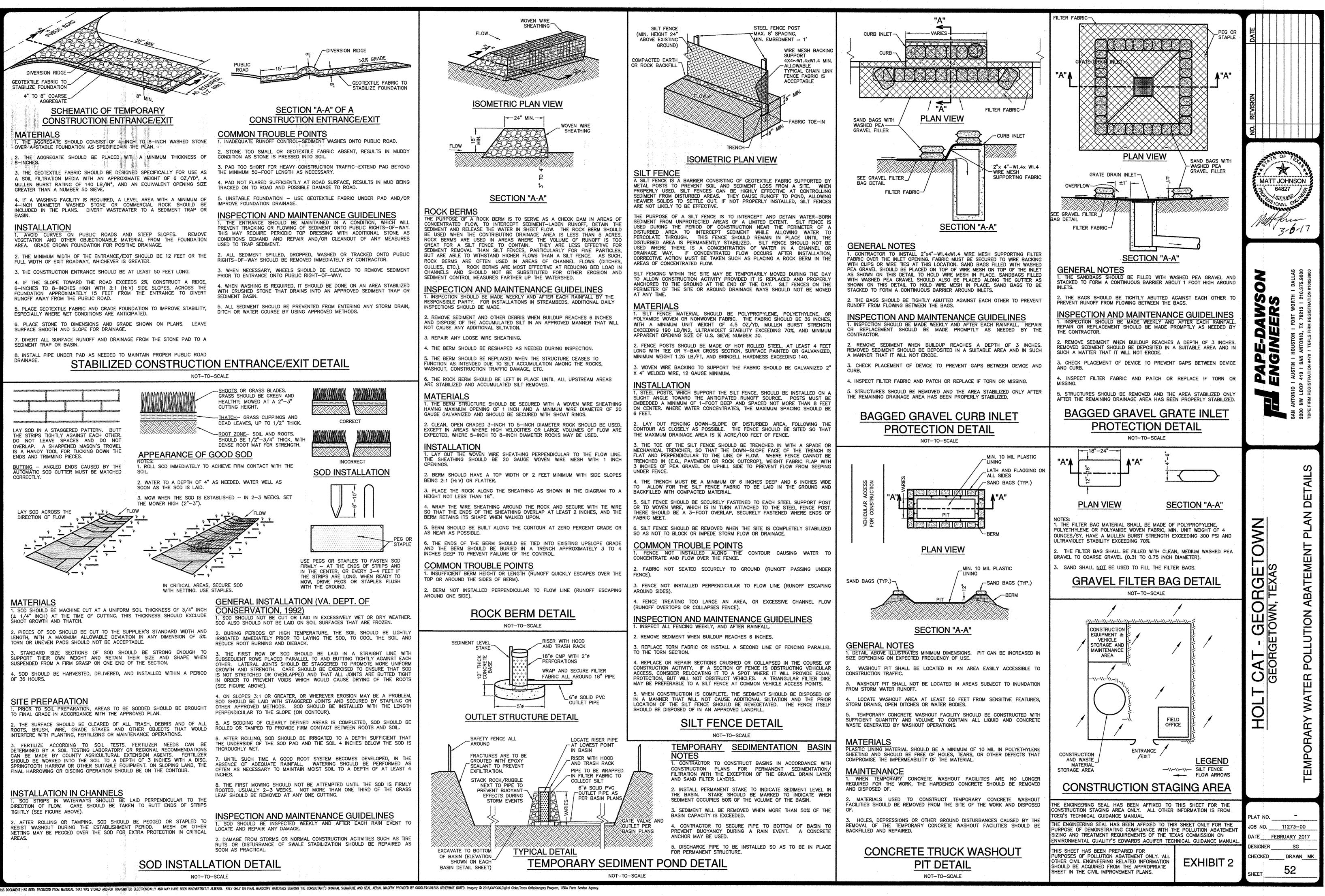
2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR. 3. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

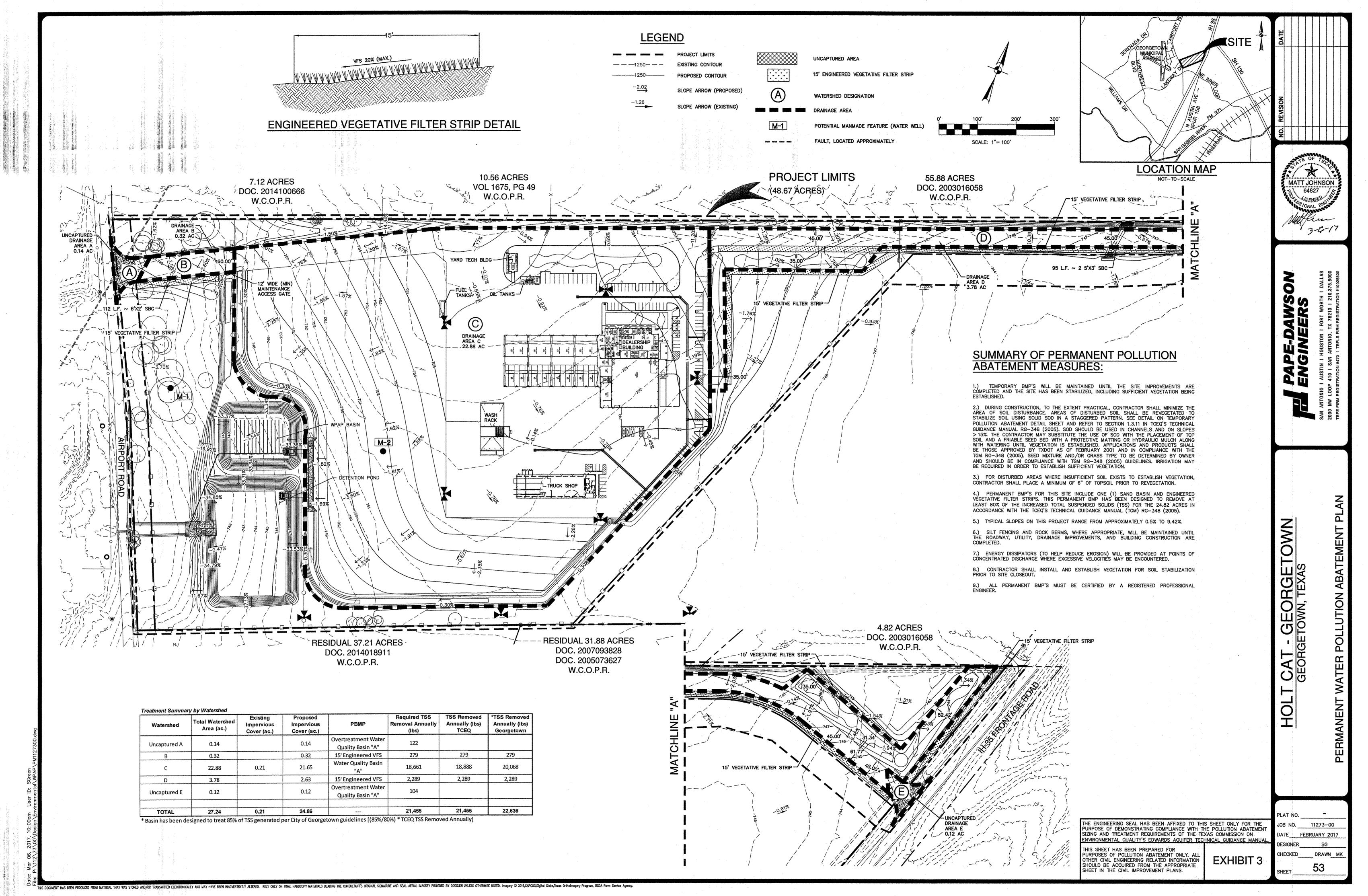
H. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN

5. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USING APPROVED METHODS.

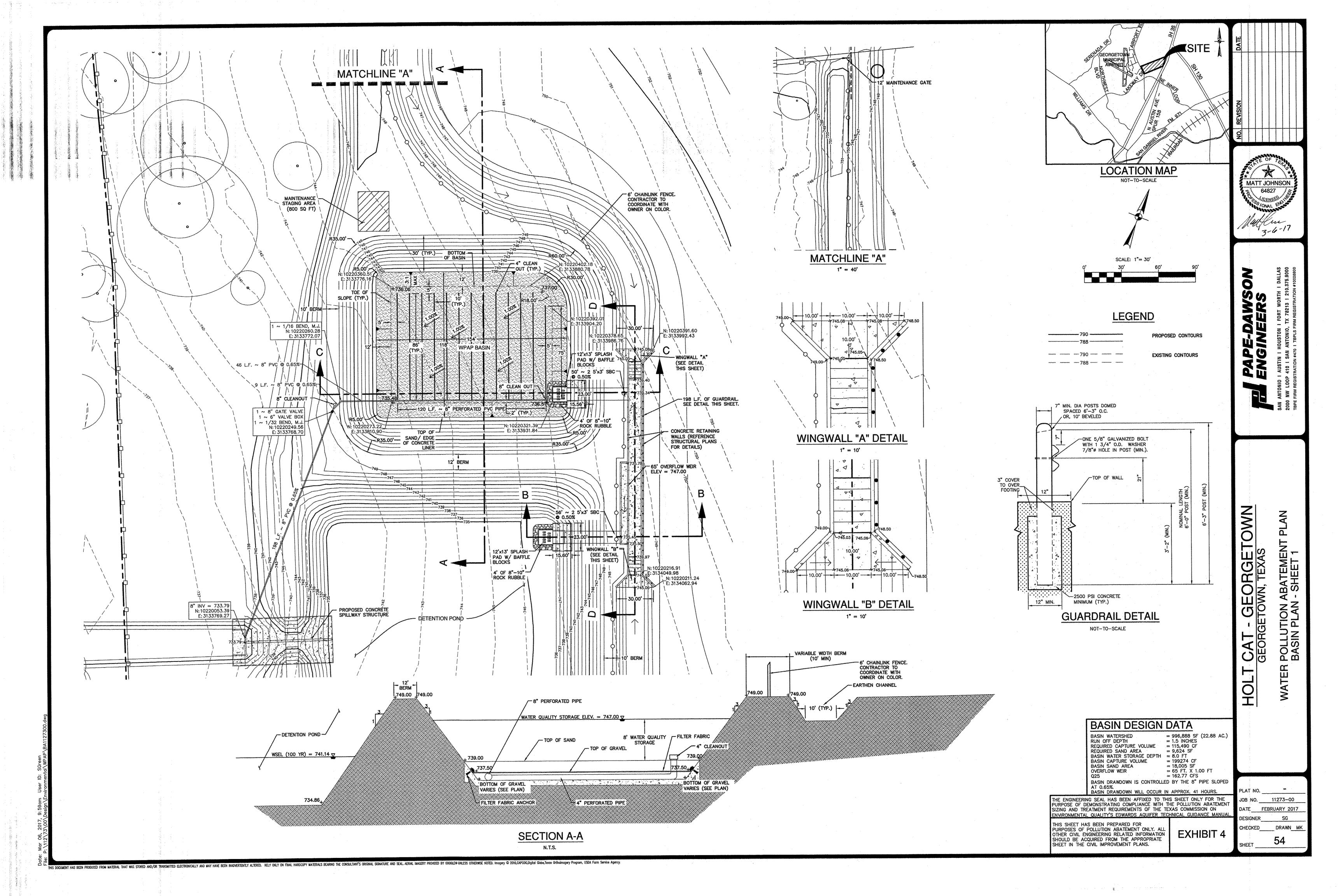


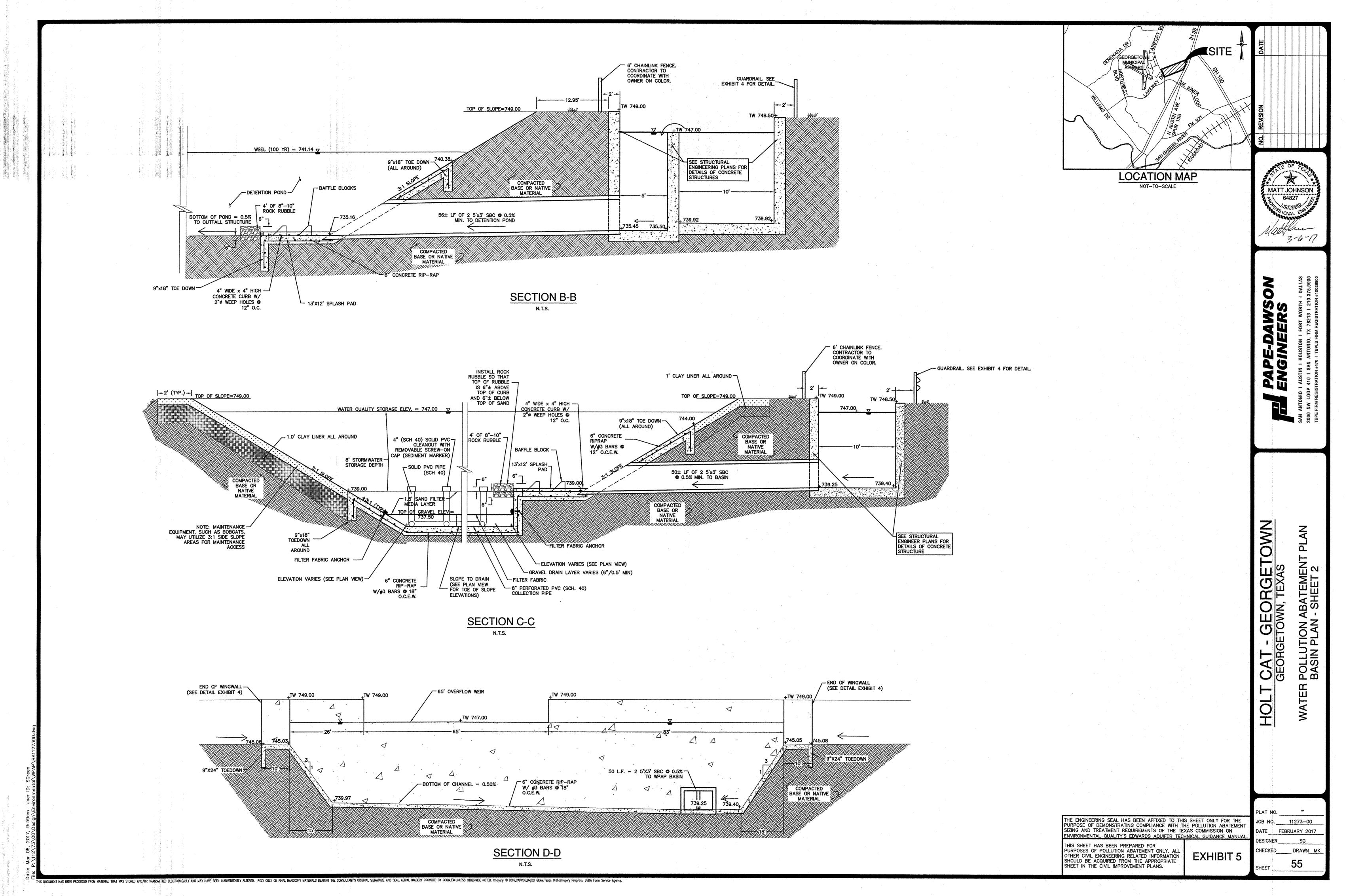
SOD INSTALLATION DETAIL NOT-TO-SCALE

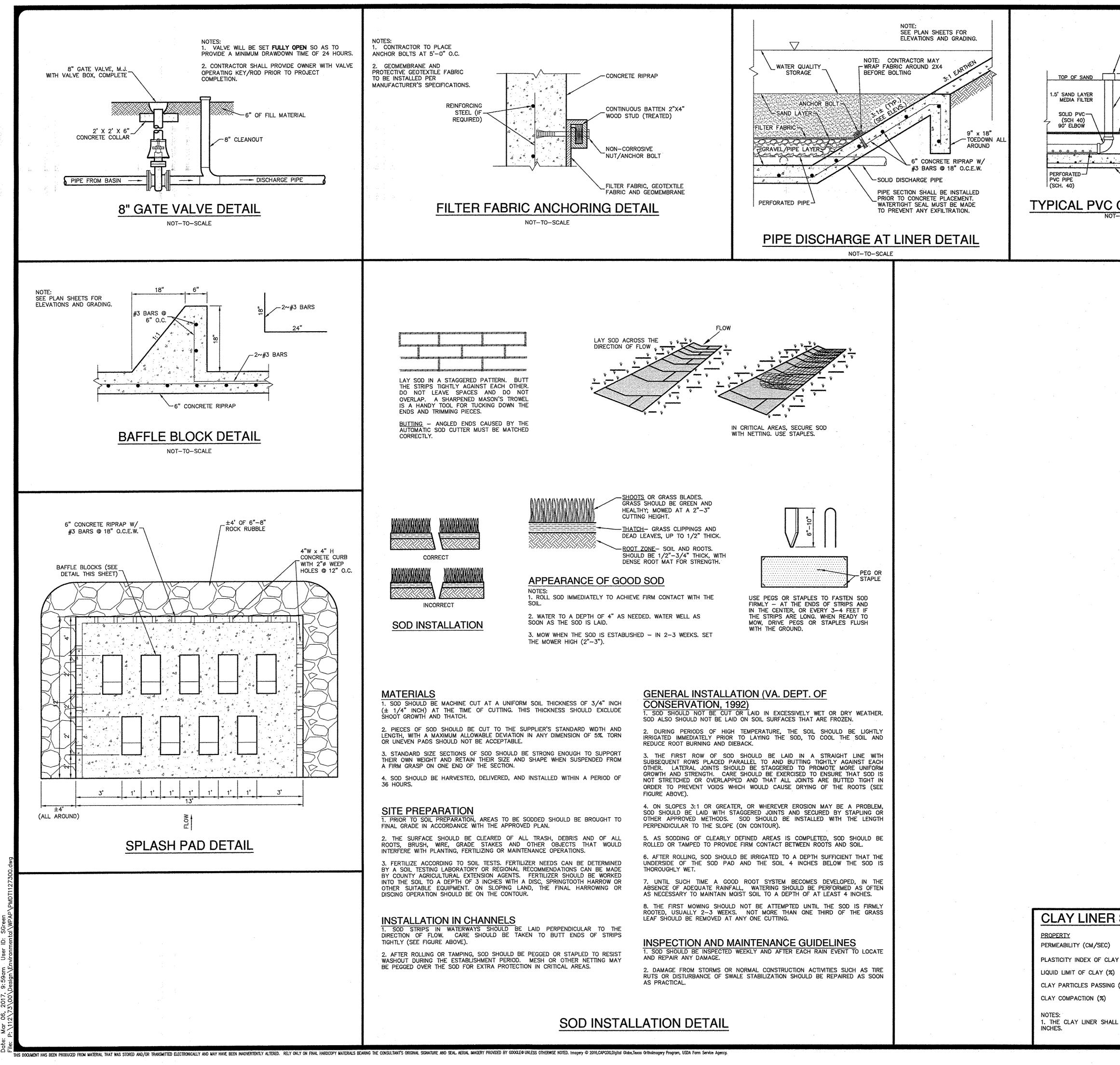




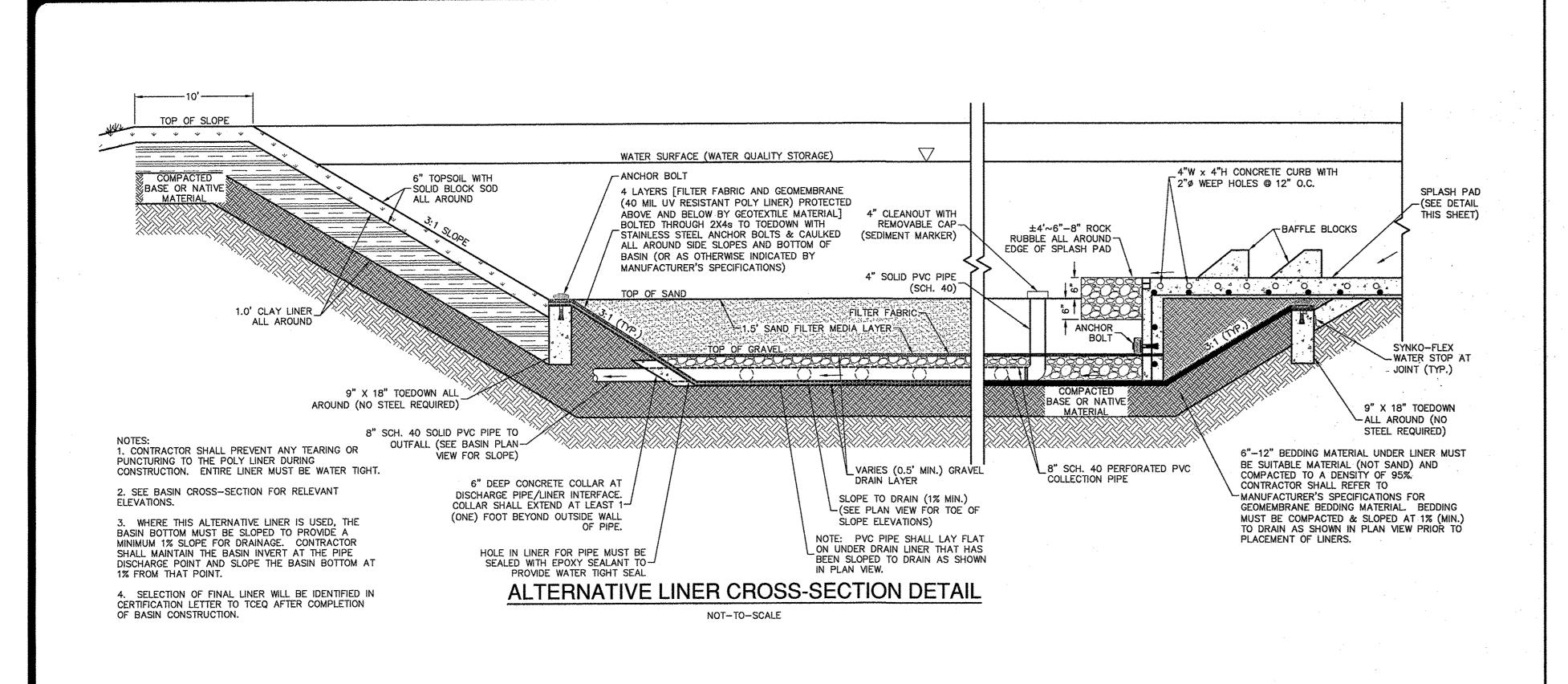
Watershed	shed Total Watershed Existing Proposed Area (ac.) Cover (ac.) Cover (ac.)		PBMP	Required TSS Removal Annually (lbs)	TSS Remove Annually (ibs TCEQ	
Uncaptured A	0.14		0.14	Overtreatment Water Quality Basin "A"	122	
B	0.32		0.32	15' Engineered VFS	279	279
Ç	22.88	0.21	21.65	Water Quality Basin "A"	18,661	18,888
D	3.78		2.63	15' Engineered VFS	2,289	2,289
Uncaptured E	0.12		0.12	Overtreatment Water Quality Basin "A"	104	
TOTAL	27.24	0.21	24.86		21,455	21,455







SOLID PVC (SCH 40) WITH REMOVABLE SCREW ON CAP (TYP) SEDIMENT MARKER SOLID PVC PIPE (SCH. 40) FILTER FABRIC GER BASIN DETAIL FABRIC GRAVEL LAYER CONCRETE LINER MITE: CONTRACTOR TO SEAL FILTER FABRIC PENETRATION WITH ADDITIONAL PATCH OF FILTER FABRIC AROUND PIPE	<image/> <section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></section-header></section-header></section-header>	NON BATE OF TEAS MATT JOHNSON BARES MATT JOHNSON G4827 BARES CENSER COMMANDE COMMANDDE COMMANDE COMMANDE COMMANDE COMMANDE COMMANDE COMMANDE COMMANDE COMMANDE COMMANDDE COMMANDE COMMA
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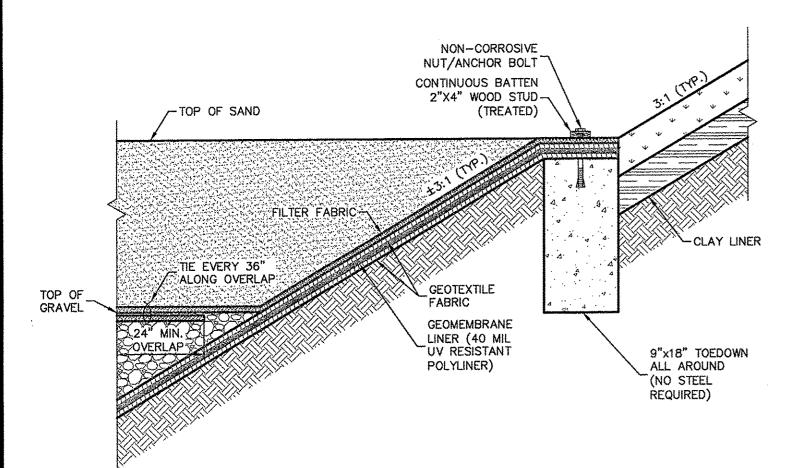


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4. INSTALLATION METHODS FOR GEOMEMBRANE LINERS VARY ACCORDING TO THE SITE REQUIREMENTS. SEE DETAIL FOR TYPICAL INSTALLATION METHOD.



GEOTEXTILE FABRIC SPECIFICATIONS (COA, 2004)

PROPERTY	TEST METHOD	UNIT	SPECIFICATION (MIN.)
UNIT WEIGHT	ASTM D-5261	oz/yd2	8
FILTRATION RATE	ASTM D-4491	cm/sec	0.20
PUNCTURE STRENGTH	ASTM D-4833	lb.	125
MULLEN BURST STRENGTH	ASTM D-3786	psi	400
TENSILE STRENGTH	ASTM D-4632	lb.	200
EQUIV. OPENING SIZE	US STANDARD SIEVE	No.	80

*MODIFIED

ALTERNATIVE FILTER FABRIC, LINER OVERLAP & ANCHORING DETAIL

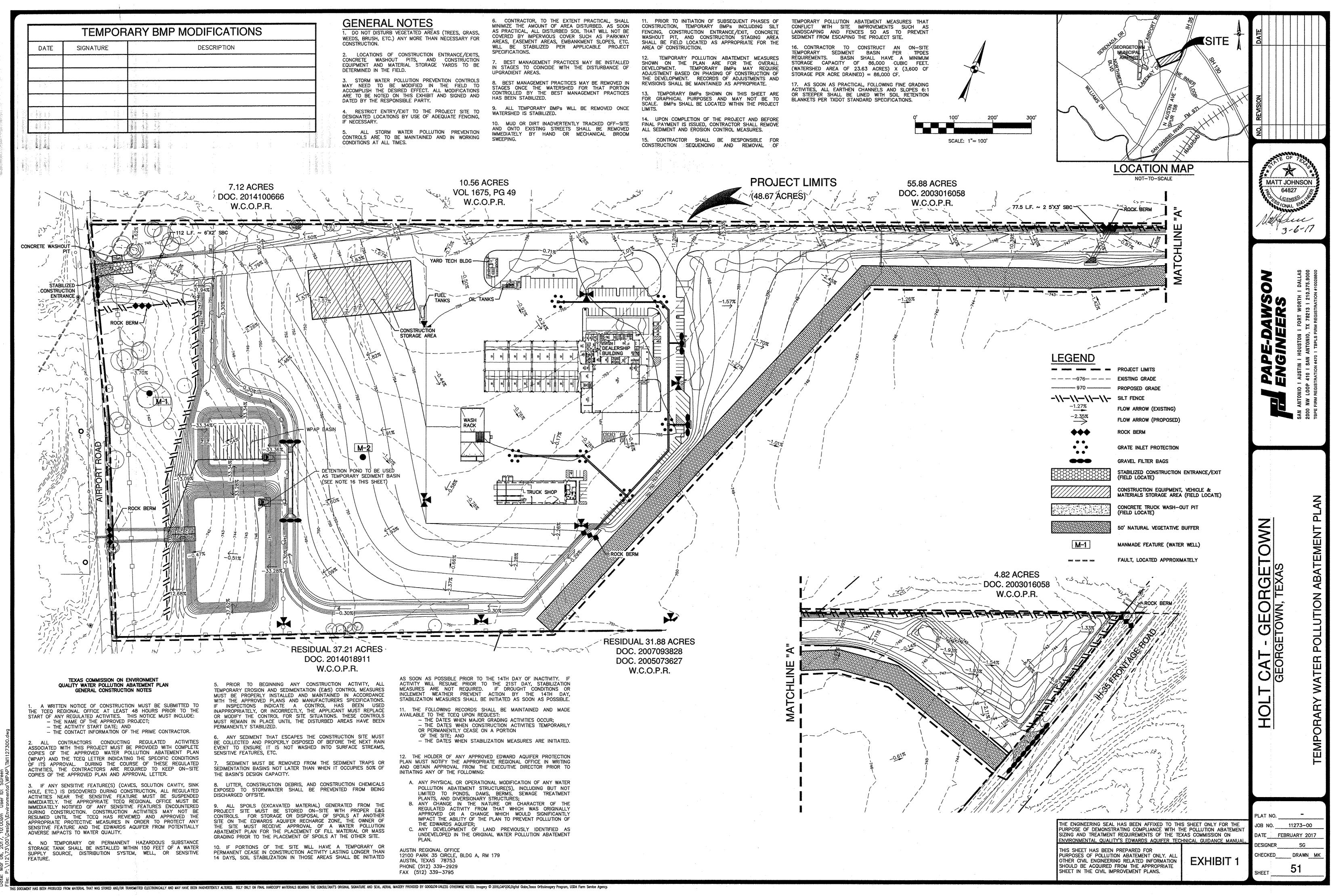


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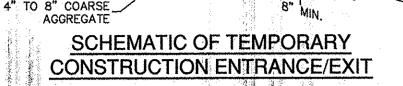
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ORIGINAL WPAP APPLICATION'S EROSION CONTROL PLAN, DETAILS, TCEQ CONSTRUCTION NOTES, AND PERMANENT PLAN / DETAILS OF THE SAND FILTRATION POND



DIVERSION RIDGE-GEOTEXTILE FABRIC T STABILIZE FOUNDATION



MATERIALS 1. THE AGGREGATE SHOULD CONSIST OF 4-INCH TO 8-INCH WASHED STONE OVER A-STABLE FOUNDATION AS SPECIFIED IN THE PLAN.

THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8-INCHES.

3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIFICALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROXIMATE WEIGHT OF 6 OZ/YD2. A MULLEN BURST RATING OF 140 LB/IN2, AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.

4. IF A WASHING FACILITY IS REQUIRED, A LEVEL AREA WITH A MINIMUM OF 4-INCH DIAMETER WASHED STONE OR COMMERCIAL ROCK SHOULD BE INCLUDED IN THE PLANS, DIVERT WASTEWATER TO A SEDIMENT TRAP OR

INSTALLATION

1. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.

2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER. 3. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.

4. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE, 6-INCHES TO 8-INCHES HIGH WITH 3:1 (H:V) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.

5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.

6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.

7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

SECTION "A-A" OF A CONSTRUCTION ENTRANCE/EXIT

GEOTEXTILE FABRIC TO

STABILIZE FOUNDATION

COMMON TROUBLE POINTS 1. INADEQUATE RUNOFF CONTROL-SEDIMENT WASHES ONTO PUBLIC ROAD.

PUBLIC ROAD

, STONE TOO SMALL OR GEOTEXTILE FABRIC ABSENT, RESULTS IN MUDDY CONDITION AS STONE IS PRESSED INTO SOIL. 3. PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC-EXTEND PAD BEYOND

THE MINIMUM 50-FOOT LENGTH AS NECESSARY. 4. PAD NOT FLARED SUFFICIENTLY AT ROAD SURFACE, RESULTS IN MUD BEING TRACKED ON TO ROAD AND POSSIBLE DAMAGE TO ROAD.

5. UNSTABLE FOUNDATION - USE GEOTEXTILE FABRIC UNDER PAD AND/OR IMPROVE FOUNDATION DRAINAGE.

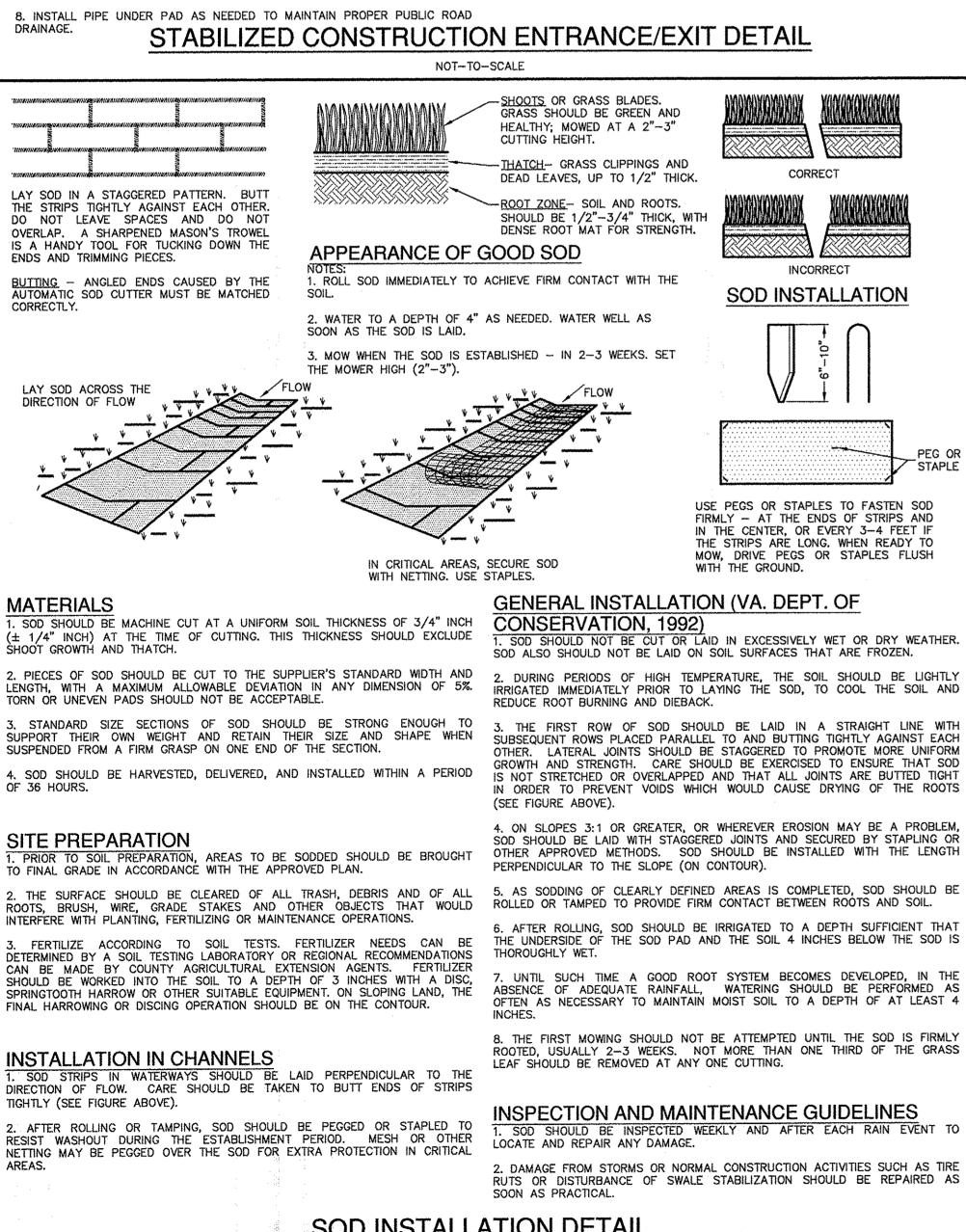
INSPECTION AND MAINTENANCE GUIDELINES THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL

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.

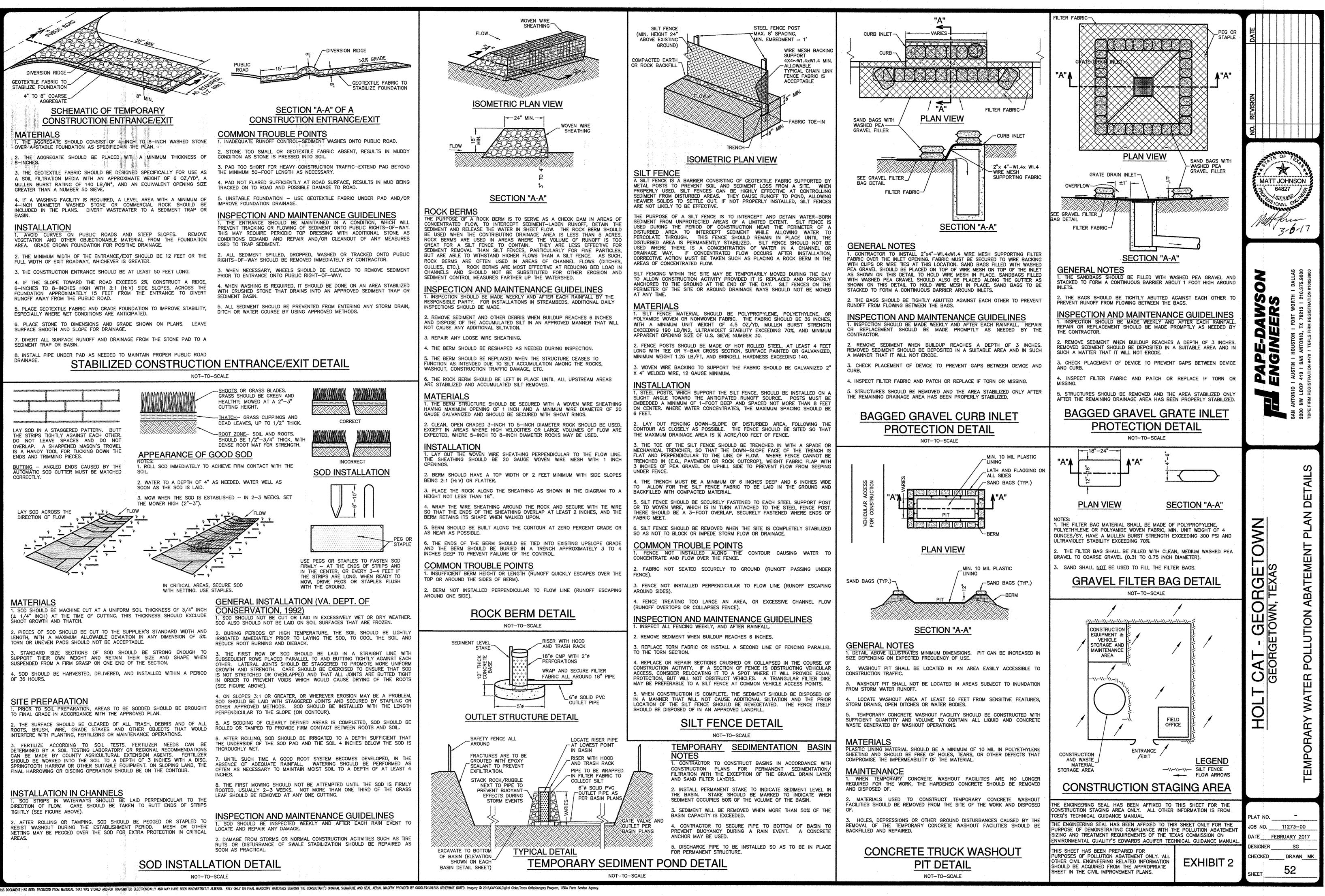
2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR. 3. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

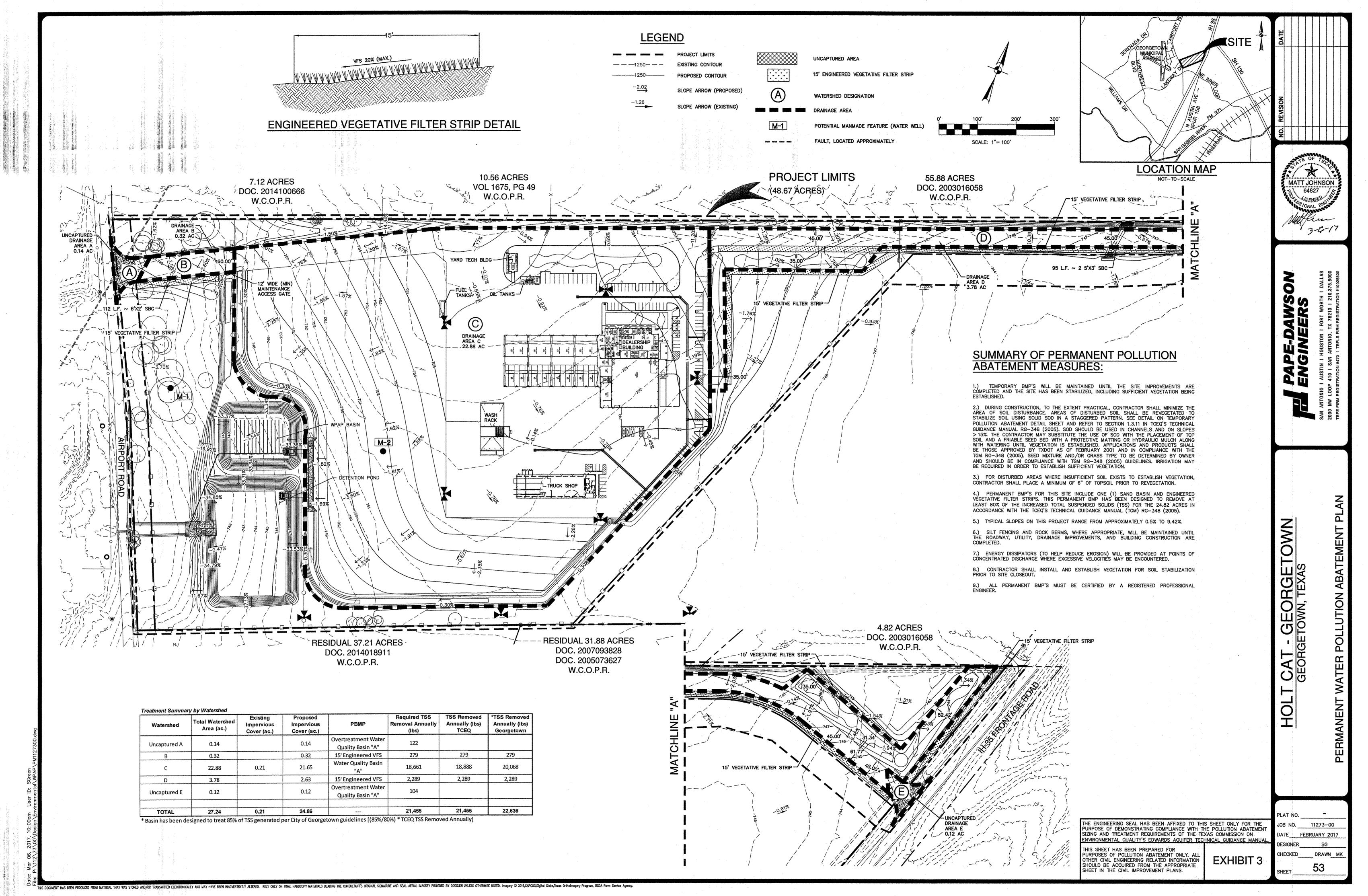
H. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN

5. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USING APPROVED METHODS.

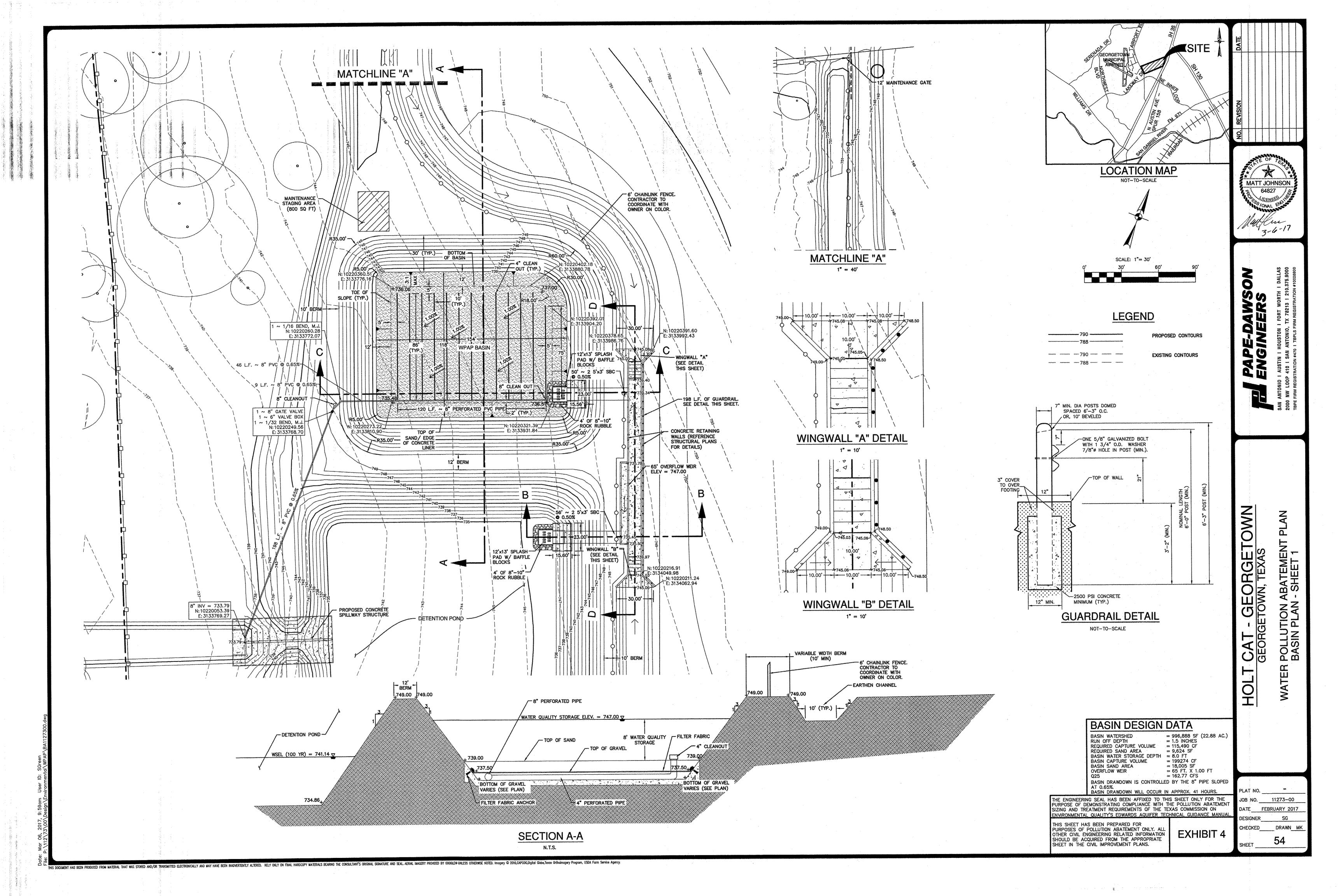


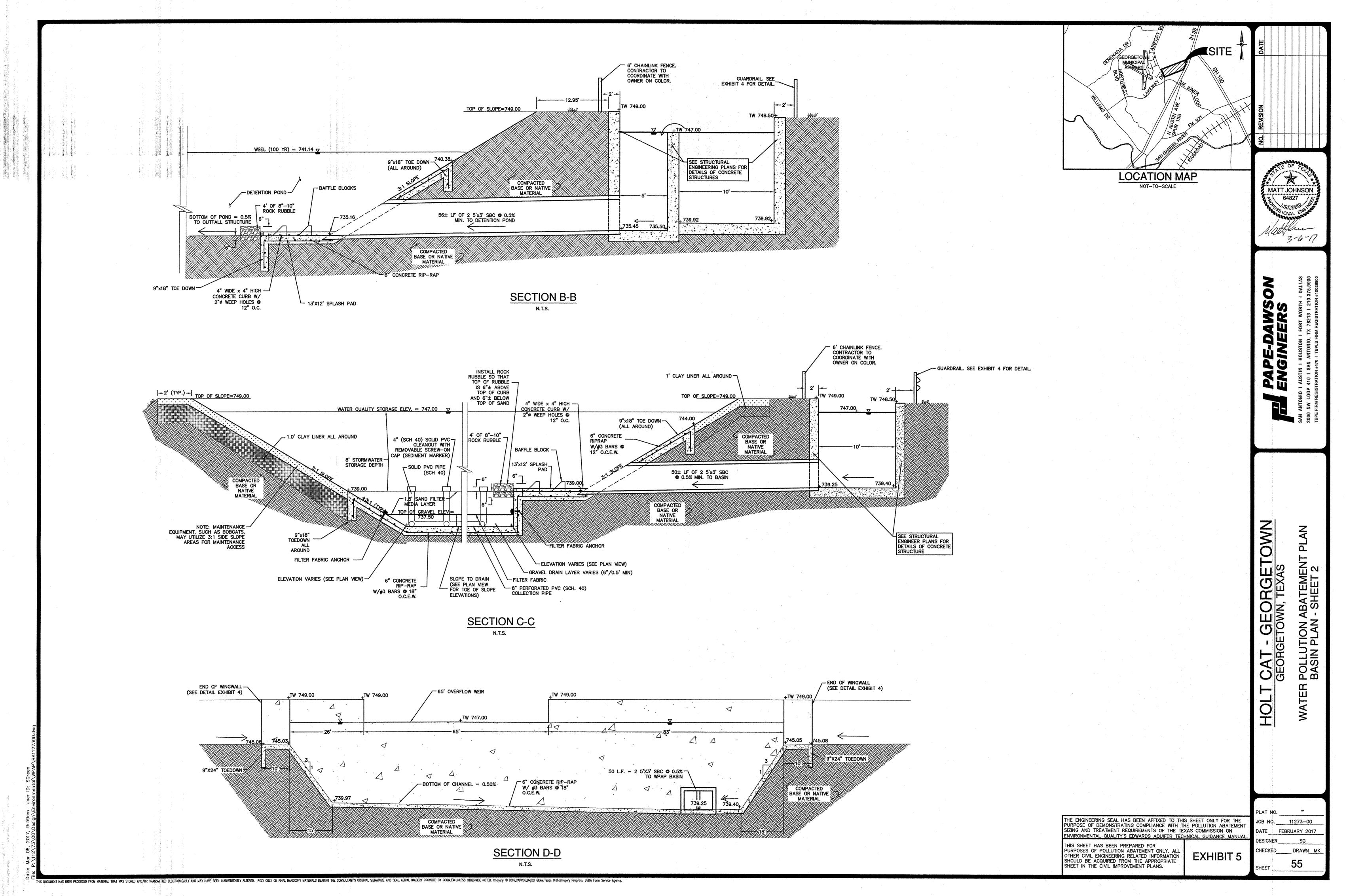
SOD INSTALLATION DETAIL NOT-TO-SCALE

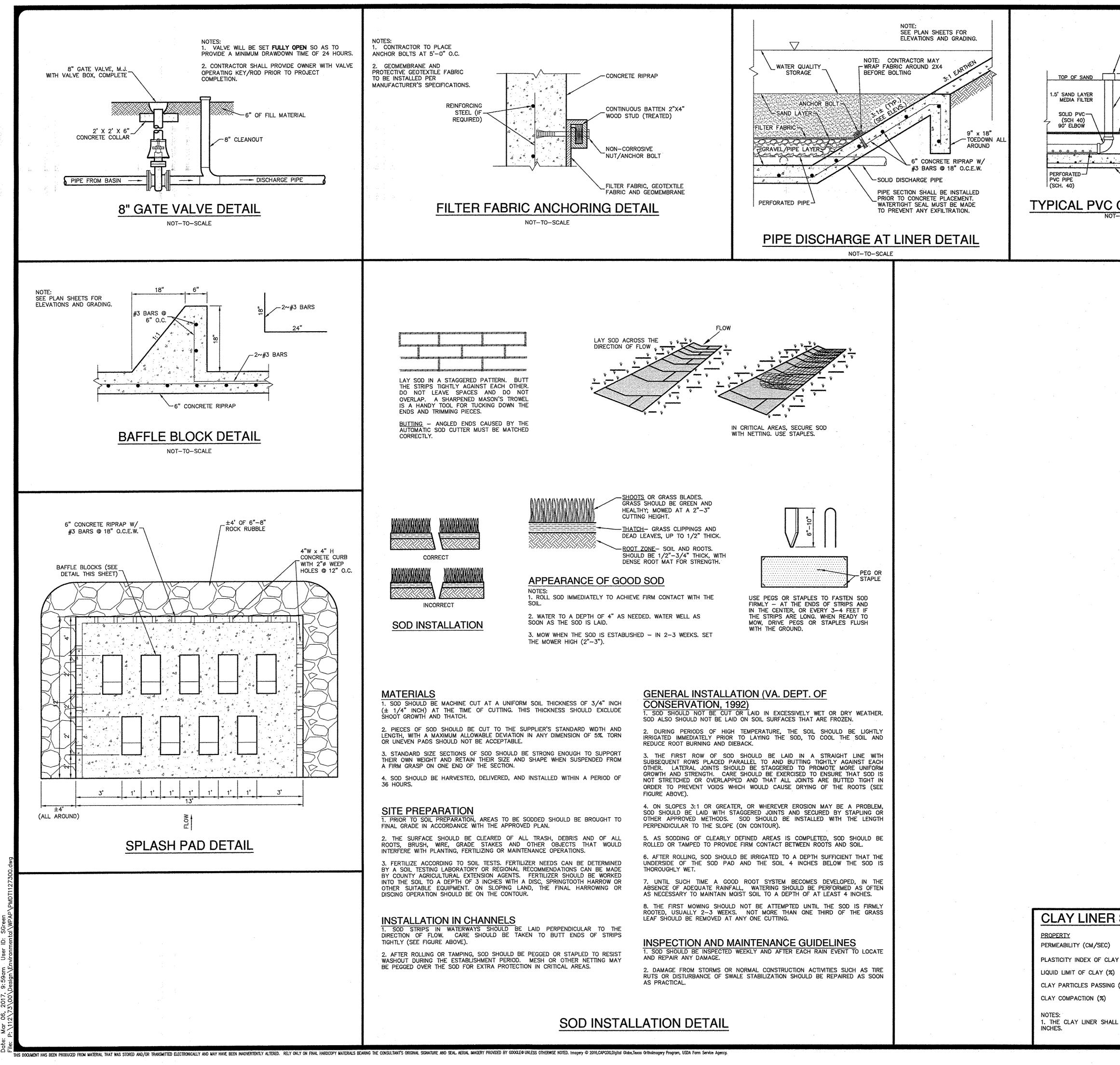




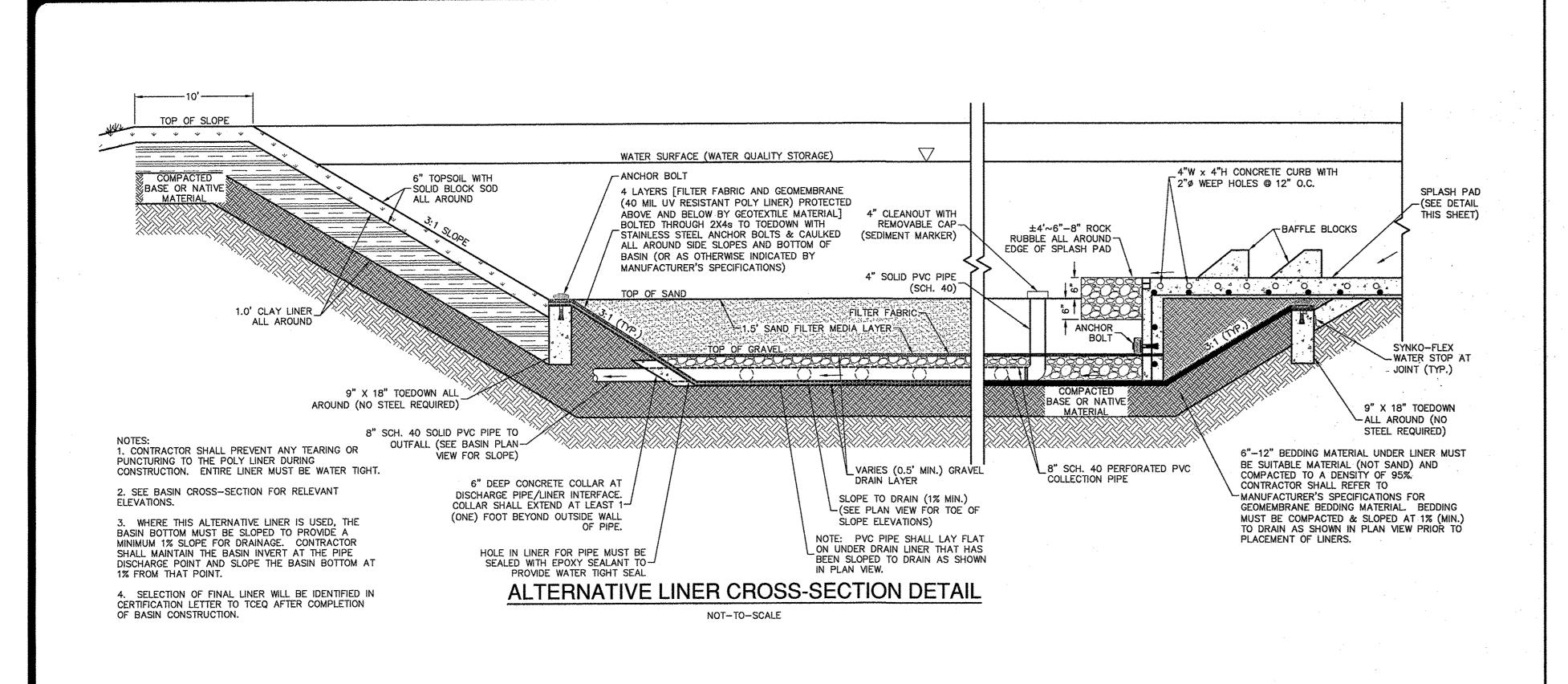
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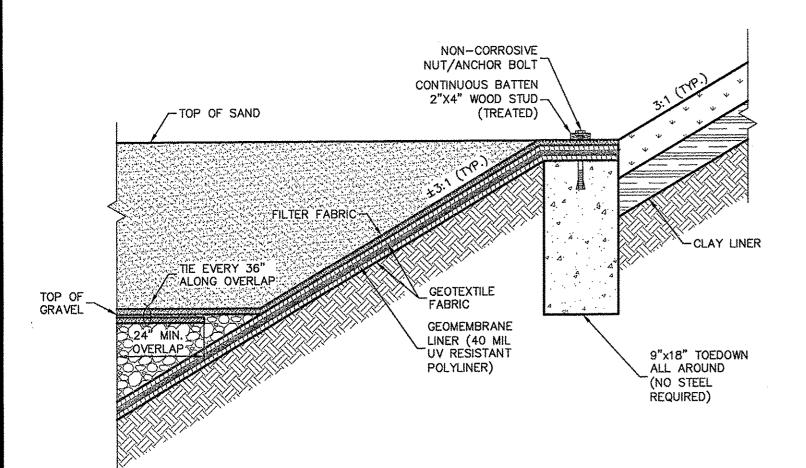


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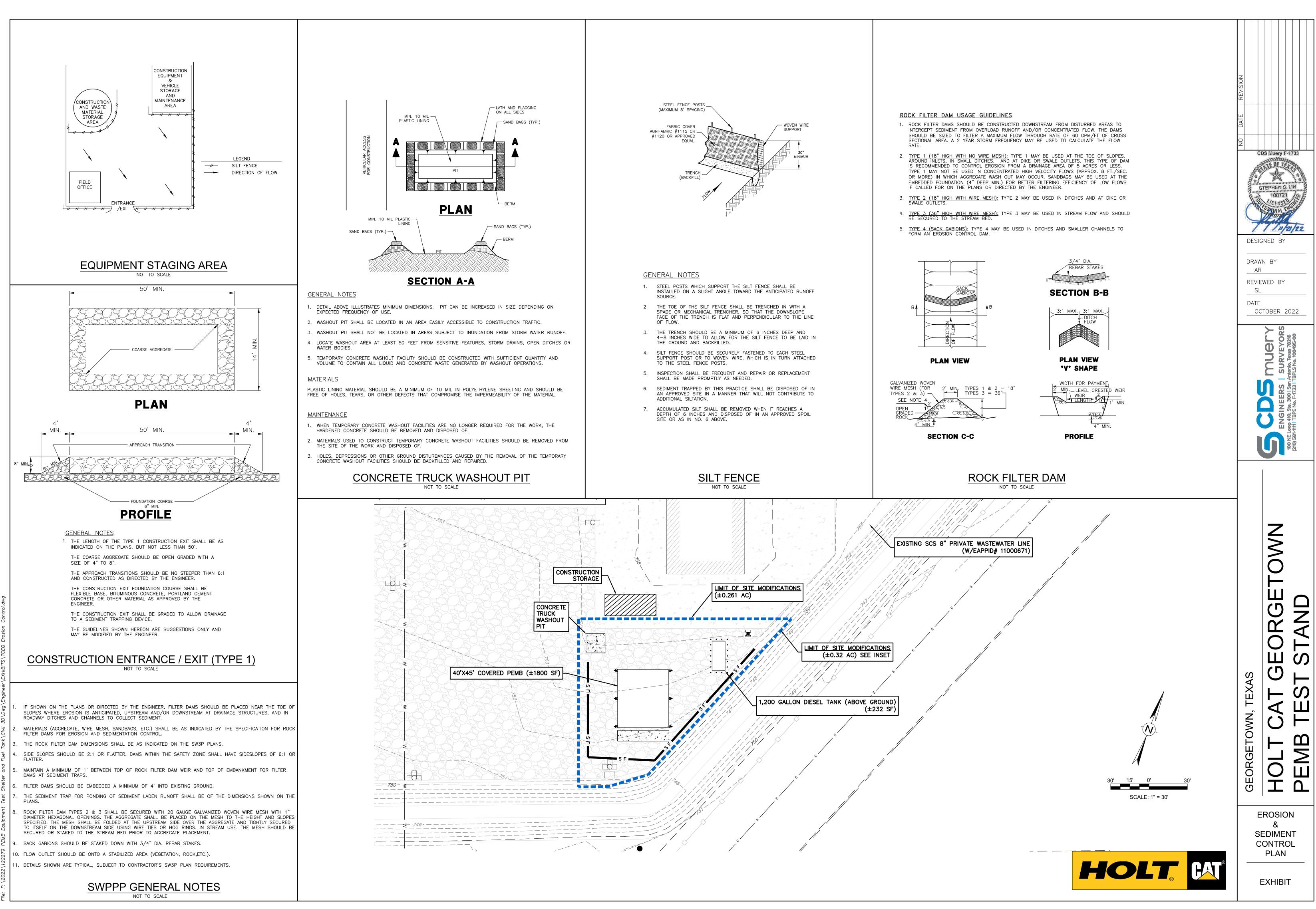
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ALTERNATIVE FILTER FABRIC, LINER OVERLAP & ANCHORING DETAIL



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-FILTER FABRIC GEOTEXTILE FABRIC GEOTEXTILE FABRIC GEOMEMBRANE (40 MIL EPDM LINER OR EQUIVALENT) NOTES: 1. LINER AND PROTECTIVE GEOTEXTILE FABRIC, IF REQUIRED, ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. × 2. GEOMEMBRANE LINER SHALL HAVE A MINIMUM THICKNESS OF THIRTY (30) MILS, FORTY (40) MILS RECOMMENDED. MATT JOHNSON 3. SELECTION OF FINAL LINER WILL BE IDENTIFIED IN CERTIFICATION LETTER TO TCEQ AFTER COMPLETION OF BASIN CONSTRUCTION. 64827 CENSED **ALTERNATIVE LINER DETAIL** /ONAL NOT-TO-SCALE au 3-6-17 S. 0 PAPE-DAWS(ENGINEERS 2 SHEE GEORGETOWN Ω MEN. Ш Ω Ō C AT O Ш **J D H** THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE POLLUTION ABATEMENT 11273-00 JOB NO. SIZING AND TREATMENT REQUIREMENTS OF THE TEXAS COMMISSION ON NVIRONMENTAL QUALITY'S EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL DATE FEBRUARY 2017 DESIGNER HIS SHEET HAS BEEN PREPARED FOR PURPOSES CHECKED DRAWN MK OF POLLUTION ABATEMENT ONLY. ALL OTHER EXHIBIT 7 CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS. 57 SHEET





ATTACHMENT G:

INSPECTION, MAINTENANCE, REPAIR, AND RETROFIT PLAN

The original WPAP designed and constructed one (1) Sand Filtration Basin "A" and two (2) fifteen feet engineered vegetative filter strips (VFS) as the Permanent Best Management Practices (PBMPs) for this site. All PBMPs were designed in accordance with the TCEQ's Technical Guidance Manual RG-348 (2005) "Complying with the Edwards Aquifer Rules" to remove 80% of the increase in TSS loading required by TCEQ and 85% per the City of Georgetown guidelines. No chances are currently proposed to these existing PBMPs for this modification.

Since the PBMPs are existing and operable, new documents are not being prepared. Documents from the original WPAP Application (by Pape Dawson Engineers) are provided and includes:

- Permanent pollution Abatement Measures Maintenance Schedule and Maintenance Procedures (signed)
- Inspection and Maintenance Schedule
- Maintenance Procedures for Permanent Pollution Abatement Measures

PERMANENT POLLUTION ABATEMENT MEASURES MAINTENANCE SCHEDULE AND MAINTENANCE PROCEDURES

This document has been prepared to provide a description and schedule for the performance of maintenance on permanent pollution abatement measures. Maintenance measures to be performed will be dependent on what permanent pollution abatement measures are incorporated into the project. The project specific water pollution abatement plan should be reviewed to determine what permanent pollution abatement measures are incorporated in to a project.

It should also be noted that the timing and procedures presented herein are general guidelines, adjustment to the timing and procedures may have to be made depending on project specific characteristics as well as weather related conditions but may not be altered without TCEQ approval.

Where a project is occupied by the owner, the owner may provide for maintenance with his own skilled forces or contract for recommended maintenance of Permanent Best Management Practices. Where a project is occupied or leased by a tenant, the owner shall require tenants to contract for such maintenance services either through a lease agreement, property owners association covenants, or other binding document.

I understand that I am responsible for maintenance of the Permanent Pollution Abatement Measures included in this project until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property or ownership is transferred.

I, the owner, have read and understand the requirements of the attached Maintenance Plan and Schedule.

Charles, C. Strickland, EVP-CFO Holt Texas Ltd. DBA Holt CAT

2.24.2017 Date



INSPECTION AND MAINTENANCE SCHEDULE FOR PERMANENT POLLUTION ABATEMENT MEASURES

Recommended Frequency						Task	to be	Perfo	ormed				all altrea	
	-1	2	3	4	5	6	7	8	9	10	11	12	13	14
After Rainfall	1							1	1	1	1		1	
Biannually*	1	1	1	1	1	1	1	V	V	V	1	1	1	1

*At least one biannual inspection must occur during or immediately after a rainfall event. $\sqrt{Indicates}$ maintenance procedure that applies to this specific site.

See description of maintenance task to be performed on the following pages. Frequency of maintenance tasks may vary depending on amount of rainfall and other weather related conditions but may not be altered without TCEQ approval.

A written record should be kept of inspection results and maintenance performed.

Task No. & Description	Included in t	<u>his project</u>
1. Check Depth of Vegetation	Yes	No
2. Check Depth of Silt Deposit in Basin	Yes	Ne
3. Removal of Debris and Trash	Yes	No
4. Cut-off Valve	Yes	No
5. Inlet Splash Pad	Yes	Ne
6. Underdrain System	Yes	Ne
7. Structural Integrity	Yes	Ne
8. Discharge Pipe	Yes	No
9. Drawdown Time	Yes	No
10. Vegetated Filter Strips	Yes	Ne
11. For Pump Stations	Yes	No
12. For Pump Stations	Yes	No
13. For Pump Stations	¥es	No
14. Visually Inspect Security Fencing for Damage or Breach	Yes	Ne



MAINTENANCE PROCEDURES FOR PERMANENT POLLUTION ABATEMENT MEASURES

Note: Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 3.5.

- 1. <u>Check Depth of Vegetation</u>. Vegetation in the basin shall not exceed 18-inches in depth. When vegetation needs to be cut, it shall be cut to an approximately 4-inch height. A written record should be kept of inspection results and maintenance performed.
- 2. <u>Check Depth of Silt Deposit in Basin</u>. Top of cleanouts shall be set 4-inches above sand layer. When silt has accumulated to top of cleanouts, the silt shall be removed. The top two (2) inches of the sand media shall also be removed and replaced with clean, silica-based washed sand meeting ASTM C33 specifications [0.0165 inch (#40 sieve) to 0.0469 inch (#16 sieve)]. Silt/sediment shall be cleared from the inlet structure at least every year and from the basin at least every five (5) years. Any sand discolored as a result of apparent impact by petroleum hydrocarbon or hazardous materials should also be removed and replaced. *Written record should be kept of inspection results and maintenance performed*.
- 3. <u>Removal of Debris and Trash</u>. The basin and inlet structure shall be checked for the accumulation of debris and trash such as brush, limbs, leaves, paper cups, aluminum cans, plastic bottles etc. Accumulated trash and debris shall be raked or collected from the basin and inlet structure and disposed of properly. *Written record should be kept of inspection results and maintenance performed.*
- 4. <u>Cut-off Valve</u>. The cut-off valve shall be turned to confirm full opening and full closure. Prior to operating the valve, the valve setting shall be checked to determine the position to which the valve is to be returned (which should limit drawdown time of the basin between 24-hours and 48-hours). Count should be kept of number of turns to open and close the valve

so that the value can be reset to the starting position. Defects in the operation of the cut-off value shall be corrected within 7 working days. A written record should be kept of inspection results and maintenance performed.

- 5. <u>Inlet Splash Pad</u>. The filter area around the inlet splash pad shall be checked for erosion and for the condition of the rock rubble. Erosion or disturbance of the rock rubble should be corrected by removing the rock rubble, restoring missing sand media to appropriate depth and replacement of the rock rubble. If the condition persists in subsequent inspections, the size of the rock rubble should be increased. Rubble should be placed to a density that minimizes the amount of exposed sand between the rock rubble. Deficiencies should be corrected within seven working days. A written record should be kept of inspection results and maintenance performed.
- 6. <u>Underdrain System</u>. The underdrain system shall be visually inspected for the accumulation of silt in the pipe system. The pipe clean-outs shall have the caps removed and visually inspected for accumulation of silt deposits. If silt deposits appear to have accumulated so as to significantly reduce the drain capacity of the pipes then maintenance shall be performed. When silt deposits have accumulated to the stage described above, the clean-outs and drainpipes can be flushed with a high-pressure water flushing process. Clean-out caps must be replaced onto the clean-outs after maintenance so as to avoid the possibility of short circuiting the filtering process. Sediment accumulation at outlet pipe or in wet well due to flushing shall be removed and disposed of properly. *A written record should be kept of inspection results and the maintenance performed*.
- 7. <u>Structural Integrity</u>. In addition to Items 1 through 6 the following are measures which should be reviewed during a check of structural integrity:
 - Observe the height of the confining berm for visible signs of erosion or potential breach. Signs of erosion should be identified and repaired immediately. Corrective measures

APE-DAWSON

include but are not limited to addition of topsoil or appropriate soil material so as to restore the original berm height of the sand filter basin. Restored areas shall be protected through placement of solid block sod.

- Bypass of filter process. This condition can manifest itself in several ways. One way is by visually inspecting the clean-outs for accumulation of silt as described in Item 6. Significant accumulations of silt could be a sign of a torn filter fabric. Observations should be made over several inspection cycles to determine whether the condition persists. A second non-intrusive way of making observations for structural condition would be to visually look for collapsed or depressed areas along the edge of the filter media interface with basin side slope. If condition exists, corrective action should be performed within 15 working days. Removal of sand and replacement of filter fabric and/or pipe and gravel may be necessary. A written record should be kept of inspection results and corrective measures taken.
- 8. <u>Discharge Pipe</u>. The basin discharge pipe shall be checked for accumulation of silt, debris or other obstructions which could block flow. Soil accumulations, vegetative overgrowth and other blockages should be cleared from the pipe discharge point. Erosion at the point of discharge shall be monitored. If erosion occurs, the addition of rock rubble to disperse the flow should be accomplished. A written record should be kept of inspection results and corrective measures taken
- 9. Drawdown Time. This characteristic can be a sign of the need for maintenance. The minimum drawdown time is 24 hours. If drawdown time is less than 24 hours, the gate valve shall be checked and partially closed to limit the drawdown time. Extensive drawdown time greater than 48 hours may indicated blockage of the sand media, the underdrain system and/or the discharge pipe. Corrective actions should be performed and completed within 15 working days. A written record of the inspection findings and corrective actions performed should be made.

- 10. <u>Vegetated Filter Strips</u>. Vegetation height for native grasses shall be limited to no more than 18-inches. When vegetation exceeds that height, the filter strip shall be cut to a height of approximately 4 inches. Turf grass shall be limited to a height of 4-inches with regular maintenance that utilizes a mulching mower. Trash and debris shall be removed from filter strip prior to cutting. Check filter strip for signs of concentrated flow and erosion. Areas of filter strip showing signs of erosion shall be repaired by scarifying the eroded area, reshaping, regrading and placement of solid block sod over the affected area. *A written record of the inspection findings and corrective actions performed should be made*
- 11. For Pump Stations. Check wet well discharge pipe to confirm flow through the pump system. If flow is not present, allow sufficient time for pump to cycle on and off. If flow does not occur, the wet well should be checked for the level of water. The wet well should be opened and the on/off float switches should be moved up and down to activate the pump. If the pump does not start, a repair technician shall be called in to repair the malfunction within 5 working days. A written record of the inspection findings and corrective actions performed should be made
- 12. For Pump Stations. Check the wet well for accumulation for trash, debris and silt. Trash and debris shall be removed and disposed of properly. Silt depth can be checked by probing the bottom of the wet well with a stick or PVC pipe. Silt accumulations should be removed when silt collects to a depth of three (3) inches over the entire wet well bottom. Silt can be removed by vacuum pump method. If silt buildup continues, underdrain system shall be inspected. A written record should be kept of inspection results and maintenance performed.
- 13. For Pump Stations. Visually check aboveground pump wiring and connections for damage. Damaged or loose connections should be repaired within 5 working days. A written record should be kept of inspection results and the maintenance performed.



14. <u>Visually Inspect Security Fencing for Damage or Breach</u>. Check maintenance access gates for proper operation. Damage to fencing or gates shall be repaired within 5 working days. *A written record should be kept of inspection results and maintenance performed*.



ATTACHMENT H: PILOT-SCAPE FIELD TESTING PLAN

(THIS SECTION IS NOT APPLICABLE)

210-581-1111 | 100 NE Loop 410, Ste. 300 | San Antonio, TX 78216 | TBPE No. F-1733 | TBPLS No. 100495-00 www.cdsmuery.com



ATTACHMENT I: MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

Any points where discharge from site is concentrated and erosive velocities exist will include appropriately sized energy dissipators to reduce velocities to non-erosive levels. The proposed modification area for the 49 additional parking spaces discharges in a sheet flow condition to an existing on-site drainage ditch which drains to the existing splitter box at the existing detention and water quality ponds. Erosive conditions associated with the modification area is not expected based on the sheet flow discharge.



AGENT AUTHORIZATION FORM (TCEQ-0599)

	Agent Authorization Form For Required Signature Edwards Aquifer Protection Program Relating to 30 TAC Chapter 213 Effective June 1, 1999	
1	Micheal Puryear	
	Print Name	,
	General Counsel - Secretary	
	Title - Owner/President/Other	
of	Holt Texas Ltd	,
	Corporation/Partnership/Entity Name	
have authorized	Stephen Lin, P.E	
	Print Name of Agent/Engineer	
of	CDS Muery	
	Print Name of Firm	

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

I also understand that:

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

SIGNATURE PAGE:

Applicant's Signature

-21-23

Date

THE STATE OF County of Best §

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

GIVEN under my hand and seal of office on this 21 day of AUGUST , 2023.



RY PUBLIC

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 5 - 8 - 26



APPLICATION FEE FORM (TCEQ-0574)

Application Fee Form

	ntal Quality						
Name of Proposed Regulated Entity: <u>Holt Cat Georgetown</u>							
Regulated Entity Location: 2101 A	irport Road, Georgetow	<u>n TX 78628</u>					
Name of Customer: Holt Texas Lto	<u>I.</u>						
Contact Person: Micheal Puryear	Phone	e: <u>210-648-8928</u>					
Customer Reference Number (if is	sued):CN <u>601186745</u>						
Regulated Entity Reference Numb	er (if issued):RN						
Austin Regional Office (3373)							
Hays	Travis	🖂 wil	liamson				
San Antonio Regional Office (336							
			-1.1				
Bexar	Medina		alde				
Comal	Kinney						
Application fees must be paid by o	check, certified check, o	r money order, payabl	e to the Texas				
Commission on Environmental Que	uality. Your canceled ch	neck will serve as your	receipt. This				
form must be submitted with you	ir fee payment . This pa	yment is being submit	ted to:				
🔀 Austin Regional Office	Sa	n Antonio Regional Of	fice				
Mailed to: TCEQ - Cashier		vernight Delivery to: T	CEQ - Cashier				
Revenues Section	12	100 Park 35 Circle					
Mail Code 214	Bu	uilding A, 3rd Floor					
P.O. Box 13088		ustin, TX 78753					
Austin, TX 78711-3088		12)239-0357					
Site Location (Check All That App							
	·,,,·						
🔀 Recharge Zone	Contributing Zone	🗌 Transit	ion Zone				
	Contributing Zone						
Type of Pla	Contributing Zone	Transit	ion Zone Fee Due				
Type of Plo Water Pollution Abatement Plan,	Contributing Zone	Size	Fee Due				
Type of Plo Water Pollution Abatement Plan, Plan: One Single Family Resident	Contributing Zone						
Type of Plo Water Pollution Abatement Plan, Plan: One Single Family Resident Water Pollution Abatement Plan,	Contributing Zone Contributing Zone Contributing Zone Contributing Zone	Size Acres	Fee Due				
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Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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



CORE DATA FORM (TCEQ-10400)



TCEQ Core Data Form

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

SECTION I: General Information

			iuuiuii										
1. Reason fo	r Submiss	sion (If other is c	hecked pleas	e descr	ribe in a	space	provid	ed.)					
🛛 New Per	mit, Regis	tration or Authori	zation (Core I	Data Fo	orm she	ould be	subr	nitted w	vith the	program applicatio	n.)		
Renewal (Core Data Form should be submitted with the renewal form) Other													
2. Customer Reference Number (if issued) Follow this link to search							3. Re	gulate	d Entity Reference	e Number <i>(i</i>	f issued)		
CN 6011	86745					numbe egistry*		RN					
SECTION	II: Cu	stomer Info	ormation										
4. General Cu	istomer Ir	ofrmation	5. Effective	e Date f	or Cu	stome	r Infor	matio	n Upda	tes (mm/dd/yyyy)			
New Custo		ne (Verifiable wit		Update Secretar					tion Change in Regulated Entity Ownership comptroller of Public Accounts)				
	-	•			•					,		active with the	
Texas Seci	retary of	State (SOS)	or Texas C	Compt	roller	r of Pi	ublic	Acco	ounts	(CPA).			
6. Customer	Legal Nan	ne (If an individua	l, print last nam	e first: e	eg: Doe,	, John)		<u>li</u>	f new C	ustomer, enter prev	ious Custome	er below:	
Holt Texas	s Ltd.												
7. TX SOS/CF	PA Filing I	Number	8. TX State	Tax ID) (11 digi	its)		9	9. Federal Tax ID (9 digits) 10. DUNS Number (if applicable)				
10419010			3203629	9769				741389993 8134959			59		
11. Type of C	ustomer:	Corporat	ion			Individ	lual		Partnership: General Limited				
Government:	🗆 City 🗌 C	County 🗌 Federal [] State 🗌 Othe	r		Sole F	Proprie	torship] Other:			
12. Number o					504	a al la la la		13. Independently Owned and Operated?					
0-20] 21-100	101-250	251-500			nd high				□ No			
	' Role (Pro			the Reg	-				orm. Plea	ase check one of the	following		
□Owner □Occupatior	nal License	e 🗌 Opera	tor onsible Party			wner 8 oluntar			pplicant	Other:			
	P.O.Bo	ox 207916											
15. Mailing Address:													
		San Antoni	nio		State TX			ZIP 7		20	ZIP + 4	7916	
16. Country M	lailing Inf	ormation (if outsi	ide USA)				17. E	E-Mail	Addres	S (if applicable)		•	
michael.puryear@holtcat.com													
18. Telephon	e Number	i i		19. E	xtensi	on or (- •	20. Fax Numbe		ole)	
(210)64	8-8921									()	-		

SECTION III: Regulated Entity Information

21. General Regulated Ent	ity Information (If 'New Regulated Entity'	is selected below this form should be accompanied by a permit application)
New Regulated Entity	Update to Regulated Entity Name	Update to Regulated Entity Information

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

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

Holt Cat Georgetown

23. Street Address of	2101 Airport Road											
the Regulated Entity:												
(No PO Boxes)	City	Georgetow	n State	TX	ZIP	780	528	ZIP + 4				
24. County	William	Williamson										
Enter Physical Location Description if no street address is provided.												
25. Description to Physical Location:	ysical Location:											
26. Nearest City	26. Nearest City State Nearest ZIP Code											
Gorgetown						TX		78	628			
27. Latitude (N) In Decin	nal:	30.679512		28	. Longitud	e (W) In I	Decimal:	-97.6658	96			
Degrees	Minutes		Seconds	De	grees		Minutes		Seconds			
30	4	40	46.679512		97		1	39	57.2256			
29. Primary SIC Code (4	29. Primary SIC Code (4 digits) 30. Secondary SIC Code (4 digits) 31. Primary NAICS Code (5 or 6 digits) 32. Secondary NAICS Code (5 or 6 digits) (5 or 6 digits)							ICS Code				
5082	423810											
33. What is the Primary	Business o	f this entity?	Do not repeat the SIC	or NAICS o	lescription.)							
24 Mailing	P.O BOX 207916											
34. Mailing Address:												
Add10001	City San Antonio		State	ΤХ	ZIP	ZIP 782		ZIP + 4	7916			
35. E-Mail Address:				michae	l.puryear@	holtcat.	com					
36. Telepho	one Number		37. Extensio	on or Coc	le	38. Fax Number (if applicable)						
()	• 0		No. 65				() -				
39. TCEQ Programs and ID form. See the Core Data Form in	Numbers Constructions for	Check all Programs r additional guidan	and write in the perce.	rmits/regis	tration numb	ers that wi	II be affected	by the updates	s submitted on this			
Dam Safety	District	Districts Edwards Aquifer				Emissions Inventory Air Industrial Ha			I Hazardous Waste			
Municipal Solid Waste	New So	ource Review Air			Petroleum Storage Tar		rage Tank	D PWS				
Sludge	Storm V	Ivater	Title V Air					Used Oi				
Voluntary Cleanup	Waste	Naste Water Distervater Agric			ture Water Rights			Other:				

SECTION IV: Preparer Information

40. Name:	Stephen Lin	n, P.E.		41. Title:	Senior Project Manager		
42. Telephone Number 43. Ext./Code 44. Fax Number				45. E-Mail Address			
(210)	581-1111		() -	stephen.	lin@cdsmuery.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:	CDS MUERY	Job Title:	Senior P	roject Manage	r
Name (In Print):	Stephen Lin, F.E.			Phone:	(210) 581- 1111
Signature:	Horizon			Date:	08/31/2023
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