



MODIFICATION TO A PREVIOUSLY APPROVED PLAN

FOR

DRIFTWOOD DIESEL

**1185 FM 1626
BUDA, HAYS COUNTY, TEXAS 78610**

Prepared For:

DRIFTWOOD DIESEL, LLC

**P.O. BOX 1023
BUDA, TX 78610**

Prepared By:

FLAKE ENGINEERING, PLLC

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TBPE NO. F-22188

**DECEMBER 2023
Project #: 033-001**





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I.

**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 [30 TAC 213](#).

Administrative Review

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

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

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

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

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

Technical Review

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

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: Driftwood Diesel LLC					2. Regulated Entity No.: RN109814004				
3. Customer Name: Driftwood Diesel LLC					4. Customer No.: CN605379189				
5. Project Type: (Please circle/check one)	New	<u>Modification</u>			Extension	Exception			
6. Plan Type: (Please circle/check one)	<u>WPAP</u>	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	<u>Non-residential</u>				8. Site (acres):		1.50	
9. Application Fee:	\$500	10. Permanent BMP(s):				Grassy Swale			
11. SCS (Linear Ft.):	n/a	12. AST/UST (No. Tanks):				n/a			
13. County:	Hays	14. Watershed:				Onion Creek			

Application Distribution

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

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

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

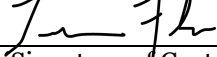
Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	✓	—	—
Region (1 req.)	✓	—	—
County(ies)	✓	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input checked="" type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity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

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

Travis Flake, Flake Engineering

Print Name of Customer/Authorized Agent



10/11/2023

Signature of Customer/Authorized Agent

Date

****FOR TCEQ INTERNAL USE ONLY****

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



II.

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.

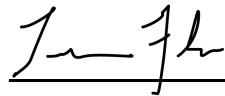
Signature

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: Travis Flake, Flake Engineering

Date: 12-11-23

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Driftwood Diesel LLC
2. County: HAYS
3. Stream Basin: Onion Creek
4. Groundwater Conservation District (If applicable): Barton Springs/Edwards Aquifer
5. Edwards Aquifer Zone:
☒ Recharge Zone
☐ Transition Zone
6. Plan Type:

<input type="checkbox"/> WPAP	<input type="checkbox"/> AST
<input type="checkbox"/> SCS	<input type="checkbox"/> UST
<input checked="" type="checkbox"/> Modification	<input type="checkbox"/> Exception Request

7. Customer (Applicant):

Contact Person: Chris Rickman

Entity: Driftwood Diesel, LLC

Mailing Address: 1185 FM 1626

City, State: Buda, TX

Zip: 78610

Telephone: 512-517-8846

FAX: n/a

Email Address: chris@driftwooddiesel.com

8. Agent/Representative (If any):

Contact Person: Travis Flake

Entity: Flake Engineering, PLLC

Mailing Address: 201 Grove Ln

City, State: Buda, TX

Zip: 78610

Telephone: 512-468-6248

FAX: n/a

Email Address: travis@flakeengineering.com

9. Project Location:

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

1185 FM 1626, Buda, Texas 78610

11. ☒ **Attachment A – Road Map.** A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.

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

- ☒ Project site boundaries.
- ☒ USGS Quadrangle Name(s).
- ☒ Boundaries of the Recharge Zone (and Transition Zone, if applicable).
- ☒ 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: July 2017

14. ☒ **Attachment C – Project Description.** Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:

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

15. Existing project site conditions are noted below:

- ☒ Existing commercial site
- ☐ Existing industrial site
- ☐ Existing residential site
- ☐ Existing paved and/or unpaved roads
- ☐ Undeveloped (Cleared)
- ☐ Undeveloped (Undisturbed/Uncleared)
- ☐ Other: _____

Prohibited Activities

16. ☒ I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
- (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
- (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
- (4) The use of sewage holding tanks as parts of organized collection systems; and
- (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
- (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. ☐ I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
- (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and

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

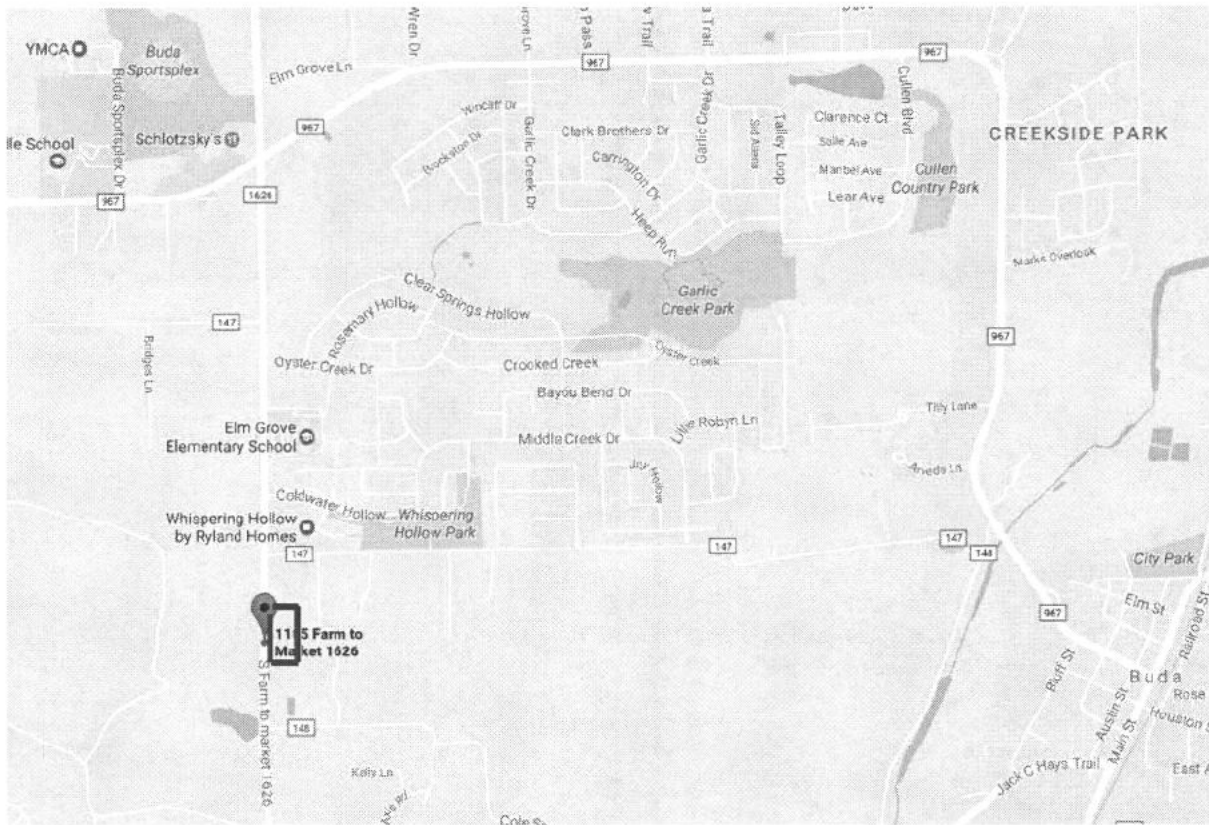
Administrative Information

18. The fee for the plan(s) is based on:

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

**GENERAL INFORMATION SECTION
ATTACHMENT A**

ROAD/LOCATION MAP



Road Map

*1185 FM 1626,
Buda, TX 78610*

**GENERAL INFORMATION SECTION
ATTACHMENT B**

USGS/EDWARDS RECHARGE ZONE MAP



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

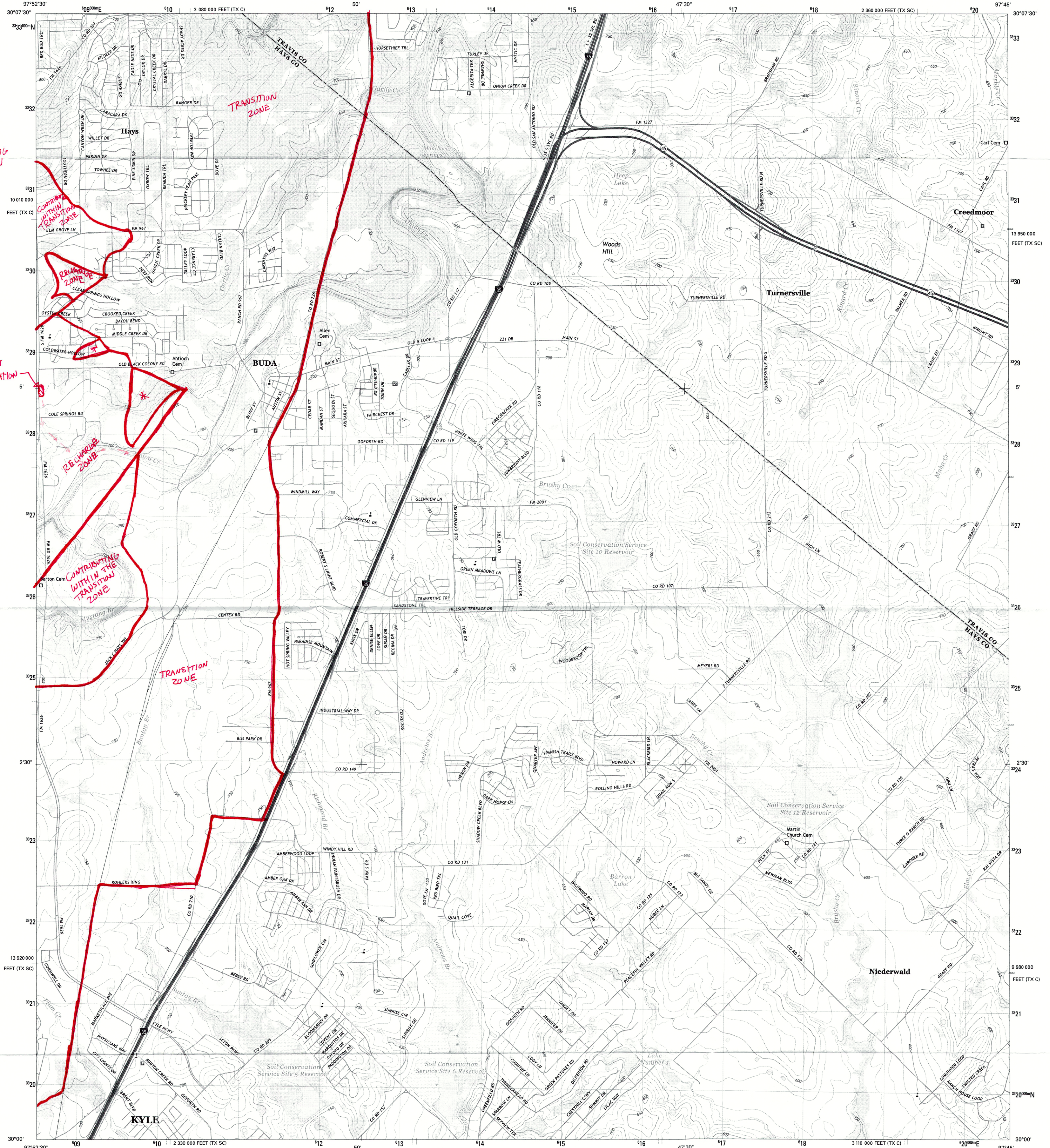


ATTACHMENT B
RECHARGE ZONE MAP

BUDA QUADRANGLE
TEXAS
7.5-MINUTE SERIES

* CONTRIBUTING
ZONE WITHIN
TRANSITION
ZONE

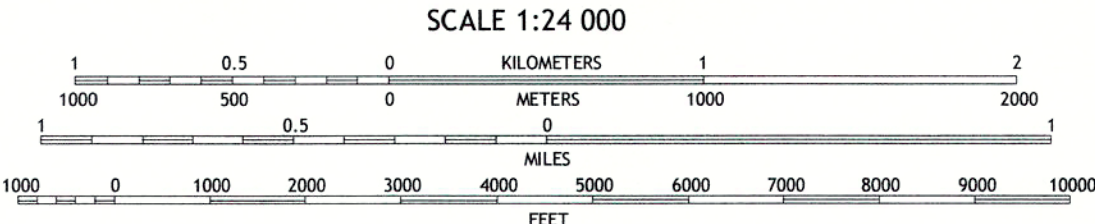
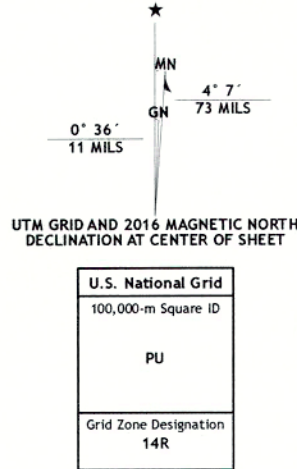
PROJECT
LOCATION



Produced by the United States Geological Survey
World Geodetic System of 1983 (WGS84). Projection and
1000-meter grid: Universal Transverse Mercator, Zone 14R.
10 000-foot ticks: Texas Coordinate System of 1983 (south
central and central zones).

This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery.....NAIP, August 2014
Roads.....U.S. Census Bureau, 2014 - 2015
Names.....GNIS, 2015
Hydrography.....National Hydrography Dataset, 2014
Contours.....National Elevation Dataset, 2002
Boundaries.....Multiple sources; see metadata file 1972 - 2015
Wetlands.....FWS National Wetlands Inventory 1977 - 2014



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19



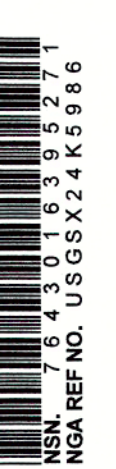
1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

BUDA, TX
2016



GENERAL INFORMATION SECTION
ATTACHMENT C
PROJECT DESCRIPTION

Driftwood Diesel is an existing commercial development on a 1.50 acre lot within the extra-territorial jurisdiction of Buda in Hays County. It is located at 1185 FM 1626 and currently operates as an auto repair facility. The property is located within the Onion Creek watershed and is within the Edwards Aquifer Recharge Zone as defined by the Texas Commission on Environmental Quality (TCEQ).

The proposed activity includes the demolition of existing structures (a single family residence and the foundation of a barn which has burned down) on-site north of the facility and the construction of an additional garage in their place. The existing site was constructed in 2017-2018 under Edwards Aquifer Protection Program ID No. 111000708. This included a Watershed Pollution Abatement Plan for the proposed 0.34 acres (22.7%) of impervious cover on-site with permanent treatment provided by a grassy swale.

The proposed improvements would not increase the proposed impervious cover from this 0.34 acres with the exception of the existing and proposed pervious paving. The existing permanent BMP is proposed to be restored to the original design. All proposed impervious cover will continue to be directed to and through this BMP as previously designed.



III.

WATER POLLUTION ABATEMENT PLAN (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: Travis Flake

Date: 2/12/24

Signature of Customer/Agent:



Regulated Entity Name: Driftwood Diesel

Regulated Entity Information

1. The type of project is:

- ☐ Residential: Number of Lots: _____
- ☐ Residential: Number of Living Unit Equivalents: _____
- ☒ Commercial
- ☐ Industrial
- ☐ Other: _____

2. Total site acreage (size of property): 1.50

3. Estimated projected population: 4

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

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	8,660	$\div 43,560 =$	0.20
Parking	650	$\div 43,560 =$	0.01
Other paved surfaces	5,400	$\div 43,560 =$	0.12
Total Impervious Cover	14,710	$\div 43,560 =$	0.34

Total Impervious Cover $0.34 \div$ Total Acreage $1.50 \times 100 = 22.5\%$ Impervious Cover

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

For Road Projects Only

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

7. Type of project:

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

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

- ☐ Concrete
☐ Asphaltic concrete pavement
☐ Other: _____

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

Width of R.O.W.: _____ feet.

$L \times W =$ _____ $\text{Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} =$ _____ acres.

10. Length of pavement area: _____ feet.

Width of pavement area: _____ feet.

$L \times W =$ _____ $\text{Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} =$ _____ acres.

Pavement area _____ acres \div R.O.W. area _____ acres $\times 100 =$ _____ % 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> </u> Gallons/day
<u> </u> % Industrial	<u> </u> Gallons/day
<u> </u> % Commingled	<u> </u> Gallons/day
TOTAL gallons/day <u>245</u>	

15. Wastewater will be disposed of by:

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

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

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

☐ Sewage Collection System (Sewer Lines):

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

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

☐ The SCS was previously submitted on .

☐ The SCS was submitted with this application.

☐ The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

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

☐ Existing.

☐ Proposed.

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

Site Plan Requirements

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

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

Site Plan Scale: 1" = 20'.

18. 100-year floodplain boundaries:

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

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

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA Map 48209C0280F dated September 2, 2005

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

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

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

☒ There are 1 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)

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

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

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

WATER POLLUTION ABATEMENT PLAN ATTACHMENT A

FACTORS AFFECTING SURFACE WATER QUALITY

The temporary activities that will adversely affect water quality are the construction activities related to the addition of the proposed building and parking areas and related grading changes. The use of temporary BMPs (silt fencing and rock berms) will reduce the impact of any situation from temporarily exposed soils.

Permanent factors that may adversely affect water quality are the concentration of flow due to impervious cover and pollutants generated by vehicle traffic. The use of a permanent BMP in the form of restoring the existing grassy swale which will remove pollutants by sedimentation and infiltration through soil. Calculations for the removal of TSS are included in the attached site plan.

**WATER POLLUTION ABATEMENT PLAN
ATTACHMENT B**

VOLUME AND CHARACTER OF STORMWATER

Detailed description of volume and character of the stormwater runoff which is expected to occur from the proposed project are included in the attached site plan.

Hays County Development Services

P.O. Box 1006 / 2171 Yarrington Road
San Marcos, TX 78667
(512) 393-2150

Authorization to Construct an On-site Sewage Facility Permit #: 2017-32515

Location: 1185 S FM 1626, BUDA, TX 78610

Section: Block: Lot:

Owner: DRIFTWOOD DIESEL, LLC - CHRISTOPHER ALLEN RICKMAN

Mailing Address: 7900 W FM 150, KYLE, TX 78640

AUTHORIZATION IS HEREBY GIVEN TO CONSTRUCT AN ON-SITE SEWAGE FACILITY ON THE ABOVE DESCRIBED PROPERTY.

Approval is hereby granted for the construction as shown on the submitted planning material.

ANY MODIFICATIONS TO SUBMITTED PLANS REQUIRE APPROVAL BY HAYS COUNTY DEVELOPMENT SERVICES PRIOR TO INSTALLATION.

CONTACT HAYS COUNTY DEVELOPMENT SERVICES FOR REQUIRED INSPECTIONS.

This Authorization to Construct is valid for twelve months from the date of issuance.

COMMENTS:

Emailed Agenda Request.

Note: The On-site Sewage Facility construction must meet all TCEQ Regulations and Hays County Rules for On-site Sewage Facilities. If unforeseen and/or adverse conditions are encountered (including, but not limited to excessive rock, seepage, or high water table) stop construction and contact HAYS COUNTY DEVELOPMENT SERVICES. Revised planning materials and Authorization to Construct may be required.



Agency Official

8/10/2017

Date



IV.

GEOLOGIC ASSESSMENT FORM (TCEQ-0585)

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: Kristin M. Miller

Telephone: 512-415-6986

Date: 1/22/2024

Fax: _____

Representing: Escarpment Environmental (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Kristin M. Miller

Regulated Entity Name: 1.5- acre property at 1185 South FM 1626, Buda, Hays County, Texas

Project Information

1. Date(s) Geologic Assessment was performed: 20 May 2017

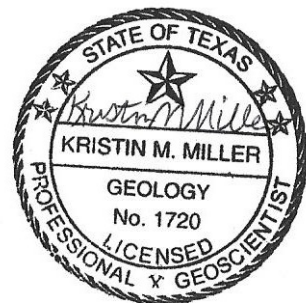
2. Type of Project:

- ☒ WPAP
☐ SCS

- ☐ AST
☐ UST

3. Location of Project:

- ☒ Recharge Zone
☐ Transition Zone
☐ Contributing Zone within the Transition Zone



4. ☒ **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.

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
Anhalt clay, 0 to 1 % slopes (AnB)	D	2.3
Krum clay, 3 to 5% slopes (KrC)	C	1.8
Rumple-Comfort Association – undulating (RUD)	C	1

Soil Name	Group*	Thickness(feet)

** 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" = n/a'
 Site Geologic Map Scale: 1" = 20'
 Site Soils Map Scale (if more than 1 soil type): 1" = 100'
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 1 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
- ☐ The wells are not in use and have been properly abandoned.
- ☐ The wells are not in use and will be properly abandoned.
- ☒ The wells are in use and comply with 16 TAC Chapter 76.
- ☐ There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

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

Appendix A

TCEQ Geologic Assessment Form

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: 1185 South FM 1626

JOB NUMBER: E150006

LOCATION			FEATURE CHARACTERISTICS											EVALUATION			PHYSICAL SETTING			
1A	1B	1C	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	NOT SENSITIVE	SENSITIVE	CATCHMENT AREAS (ACRES)		TOPOGRAPHY
	*DATUM: HDD/ WGS 84					X	Y	Z		10						<40	>40	<1.6	>1.6	
Well No. 1	30.082475°	-97.874451°	MB	30	Kdr	0.5	0.5	?					C	5	35	x		x		hilltop
*No potentially Sensitive Features were found on this site (as defined by TCEQ Instructions to Geologists, 1999).																				

*DATUM: Decimal Degrees/ WGS 84

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

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

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

8B RELATIVE INFILTRATION RATE	
HIGH	> 35
INTERMEDIATE	20 TO 34
LOW	5 TO 19



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. The seal appearing on this document was authorized by Kristin M. White, P.G. 1720 on: 22-Jan-2024

For Escarpment Environmental,

Kristin M. Miller

Signature

24-Jan-2024
Date

Appendix B

Geologic Stratigraphic Column

Geologic Stratigraphic Column

System	Hydrologic Subdivision	Group or Formation	Member	Thickness in feet	Symbol	Description
Cretaceous	Upper Confining Unit	Del Rio Clay		40 to 50	Kdr	Dark gray to olive brown clay, pyritic, gypsiferous, calcareous clay with abundant "ram's horns," and fossilized oyster <i>Ilymatogyra arietina</i> (formerly <i>Exogyra arietina</i>). No porosity or permeability. . Primary upper confining unit of Edwards Aquifer.
Cretaceous	Top of Aquifer	Georgetown Formation		40 to 60	Kgt	Reddish-brown, gray to light tan, interbedded, nodular-weathering, hard, fine-grained limestone, marly limestone, and marl, containing abundant fossil shells <i>Waconella wacoensis</i> . Low porosity and permeability. Forms solution cavities, but does not typically form caves. Considered top of the Edwards aquifer (TCEQ, 2008).

Appendix B

Geologic Description

1.5 acre property
1185 South FM 1626
Buda, Hays County, Texas
Escarpment Job 170006-GA

Geology

The subject site is mapped within the Edwards Aquifer Recharge Zones as shown on the TCEQ Recharge Zone Boundary Maps (TCEQ, 2005).

Field investigation and review of existing literature shows the site is underlain by the Del Rio Clay Formation. Del Rio Clay overlies the Georgetown Formation and forms the upper confining unit of the Edwards Aquifer (Garner and Young, 1976, Small et al., 1996). The Del Rio Formation is described as described as dark bluish-gray, calcareous, pyritic, bentonitic, and fossiliferous clay, with some thin, lenticular, calcareous, siltstone beds (shale) (Garner et al., 1976, Rose, 1972). It is about 40 to 50 feet thick in Hays County (Hanson and Small, 1995). The Del Rio is described as having no porosity, low permeability, and no cavern development (Garner and Young, 1976, Small et al., 1996). The primary marker fossils for Del Rio Clay are pecten-type fossil clams and an abundance of ram's horns also known as the fossilized oyster *Ilymatogyra arietina* (formerly *Exogyra arietina*) (Rose, 1972).

No evidence of sensitive recharge features or faults were found on site. One water well was present on the property. A review of the records of the TCEQ and the Texas Water Development Board (TWDB) revealed one water well record (5858125) in the vicinity of the site (TWDB, 2024), which is described as a 240-foot deep water well that withdraws water from the Edwards Aquifer.

References

- Garner, L. E., and K. P. Young, Environmental Geology of the Austin Area: An Aid to Urban Planning, *Report of Investigations* 86, The University of Texas at Austin, Bureau of Economic Geology, reprinted 1992, 1976.
- Hanson, John A. and Ted A. Small, *Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Hays County, Texas*, US Geological Survey (USGS) Water Resources Investigations Report 95-4265, 1995.
- Rodda, P.U.; L.E. Garner, and G.A. Dawe, 1970, *Geology of the Austin West quadrangle, Travis County, Texas, Geological Quadrangle Map 38*, Bureau of Economic Geology, University of Texas, Austin, Texas.

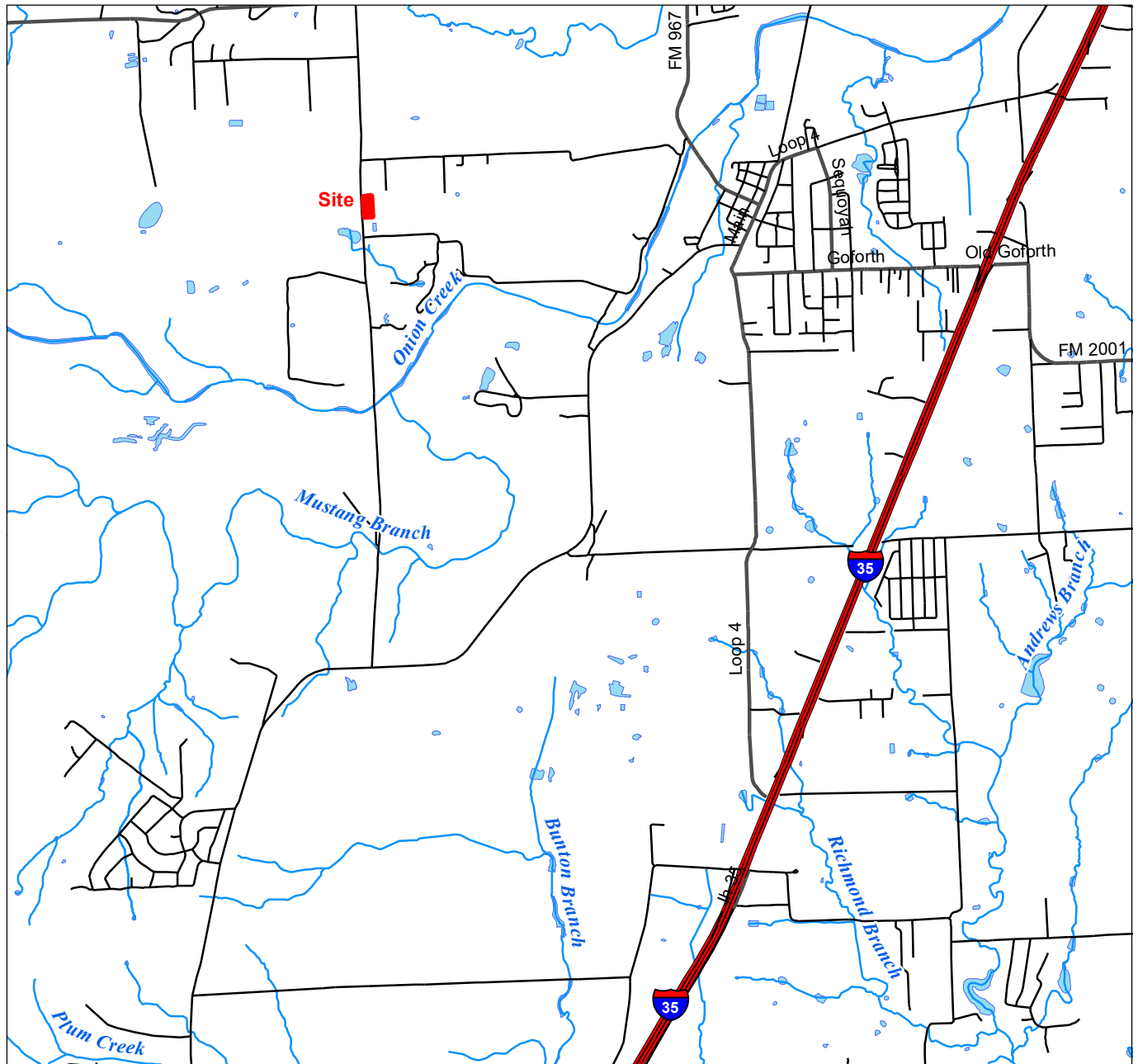
Rose, P.R, 1972, Edwards Group, surface and subsurface, central Texas: Austin, Texas, University of Texas, Bureau of Economic Geology, Report of Investigations 74.

Small, Ted A., John A. Hanson, and Nico M. Hauwert, 1996, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop (Barton Springs Segment), Northeastern Hays and Southwestern Travis Counties, Texas, *US Geological Survey (USGS) Water Resources Investigations Report* 96-4306.

Texas Water Development Board (TWDB), 2024, Water Well Drillers' Records, <https://www3.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer>


Appendix C

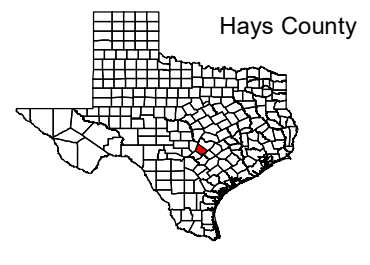
Site Maps



Legend

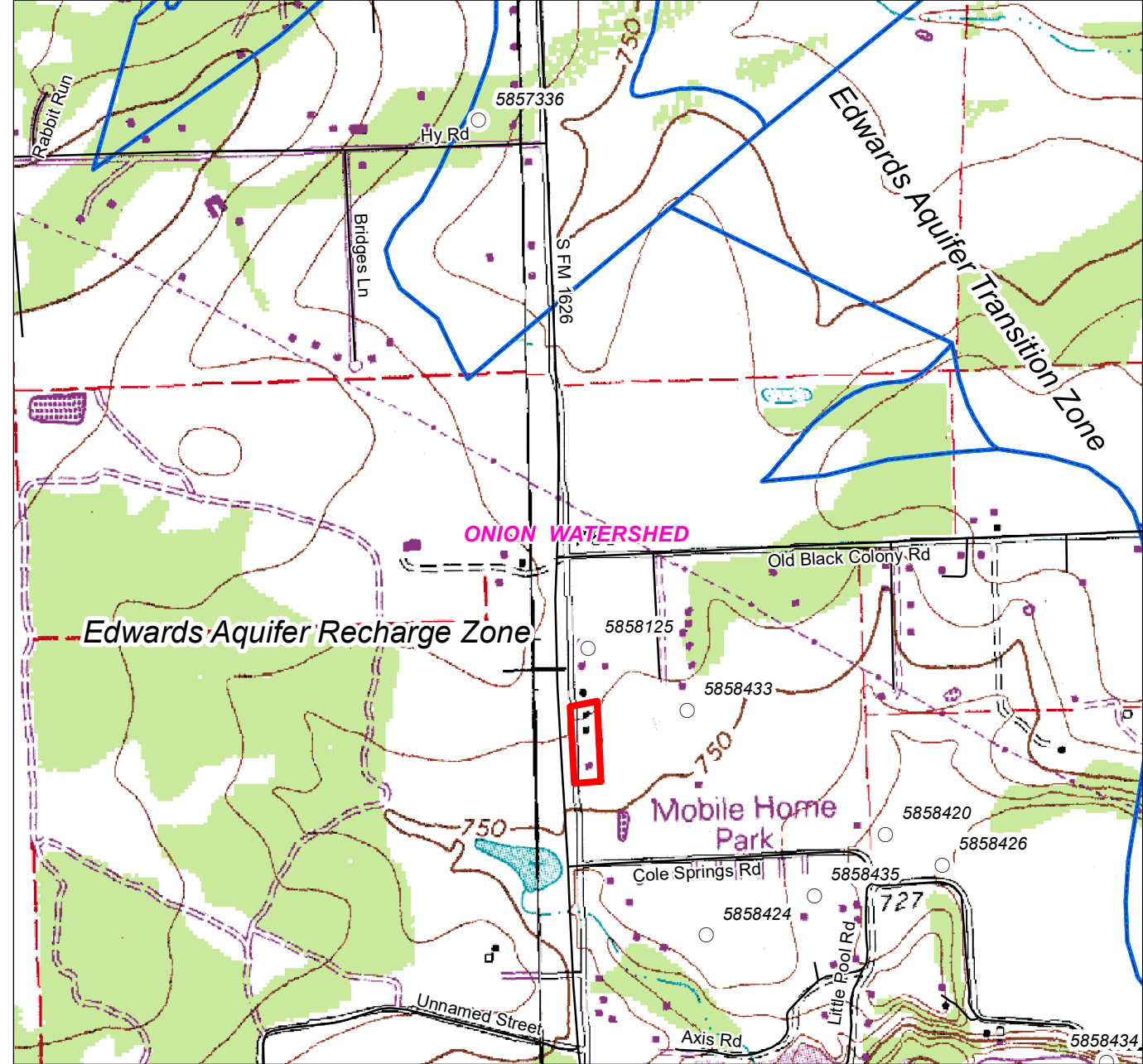
 Site Boundary

1 inch = 4,000 feet
0 2,000 4,000

Feet



ESCARPMENT ENVIRONMENTAL
Geologic Consulting and Environmental Permitting

Figure 1
Location Map
1.5-acre property
1185 S. FM 1626
Buda, Hays County, Texas



Basemap, USGS Mountain City and Buda, Texas, Quadrangle Maps, 1986.
Recharge Zone Boundary: TCEQ, 2006.
Water Wells: TWDB, 2023.

Legend

- Site Boundary
- Edwards Aquifer Contributing Zone
- Watershed (COA, 2007)
- Water Well (TWDB, 2023)

1 inch = 1,000 feet
0 500 1,000
Feet

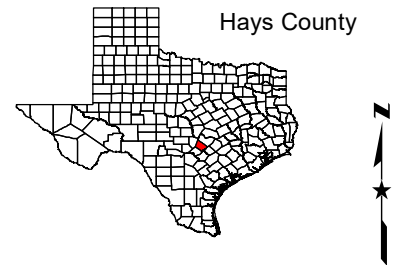
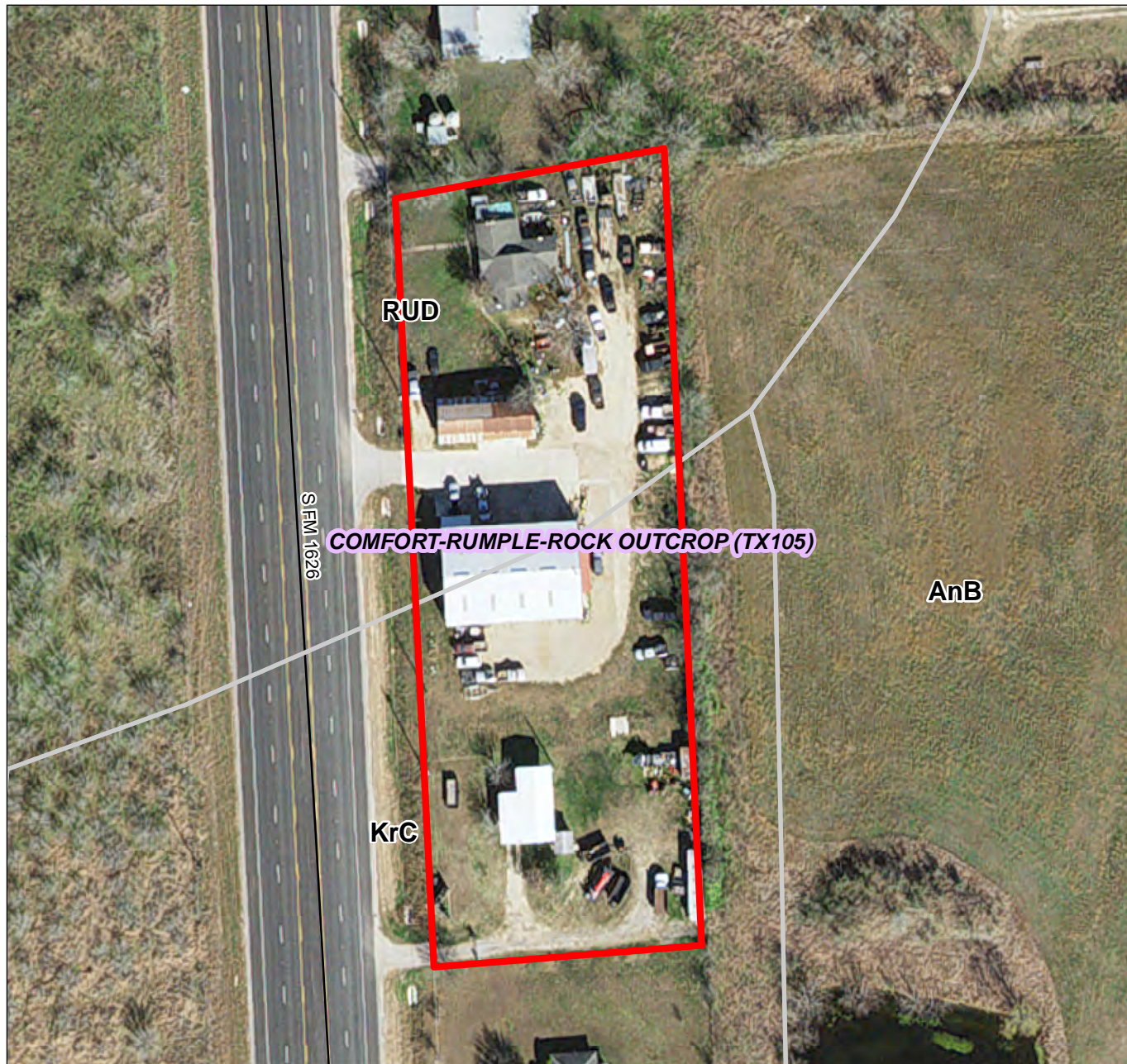


Figure 2
Boundary Map
1.5-acre property
1185 S. FM 1626
Buda, Hays County, Texas



Aerial Photograph: CAPCOG, Buda NW Quadrangle, 2023
 Soil: NRCS Soil Survey Staff, 2006

Legend

- Site Boundary
- Soil Association (NRCS, 1994)
- Soil Type (NRCS, 2006) Comal and Hays County

NRCS Soil Types:
 Anhalt clay, 0 to 1 % slopes (AnB)
 Krum clay, 3 to 5% slopes (KrC)
 Rumple-Comfort Association – undulating (RUD)

1 inch = 100 feet
 0 50 100
 Feet

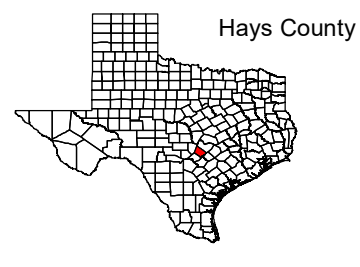


Figure 3
Soils Map
 1.5-acre property
 1185 S. FM 1626
 Buda, Hays County, Texas



2023 Aerial Photo


1.5 acre property
1185 South FM 1626
Buda, Hays County, Texas
Escarment Job 170006-GA


1626

1626

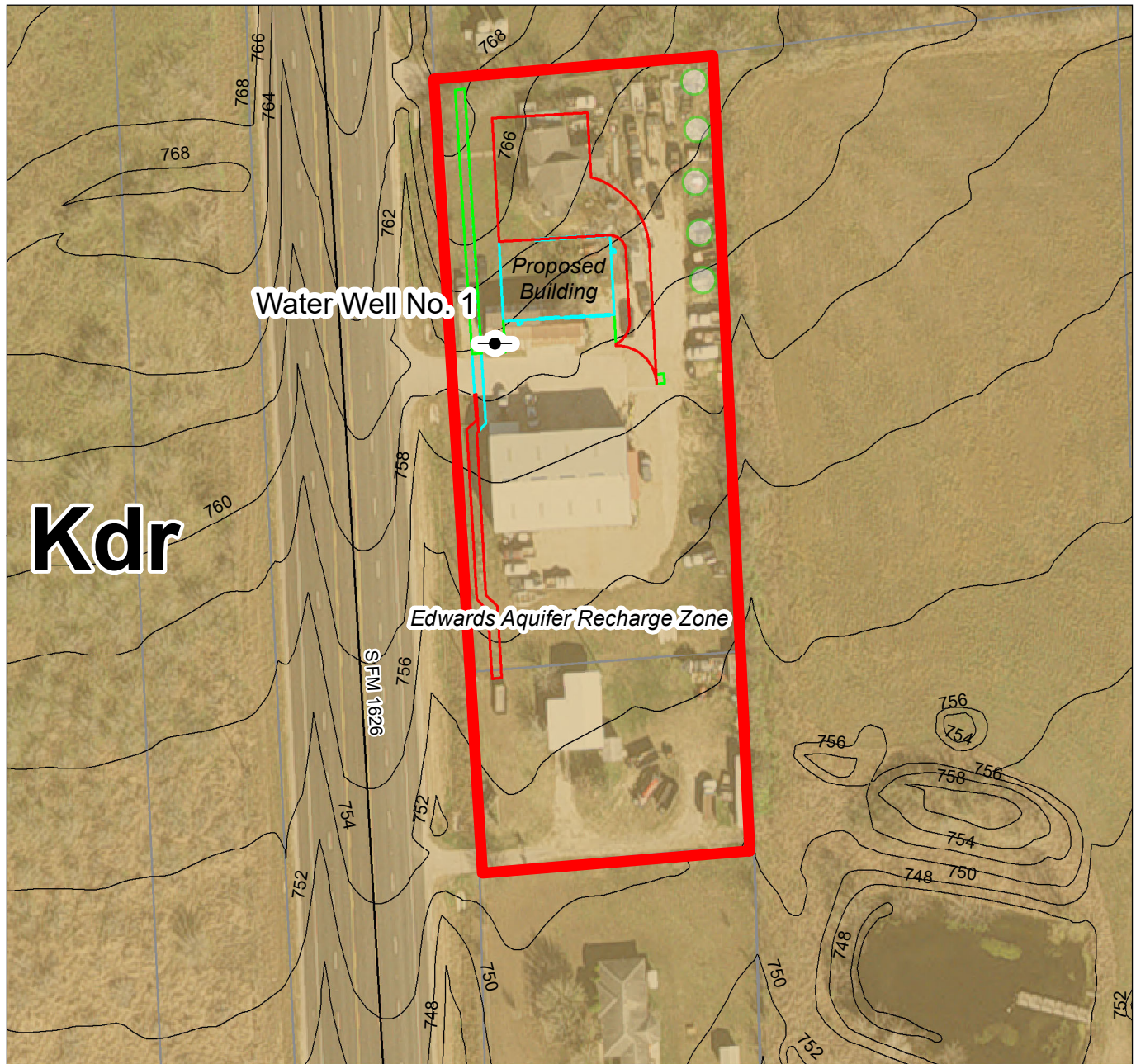
Legend

-  1185 Farm to Market 1626
-  Driftwood Diesel

 1185 Farm to Market 1626

 Driftwood Diesel



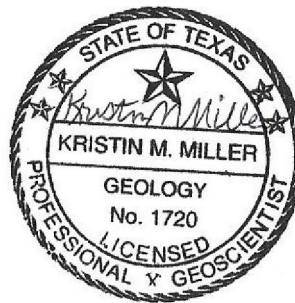


Aerial Photograph: CAPCOG, Buda NW Quadrangle, 2021
 Geology: Garner, L. E., and K. P. Young, Environmental Geology
 of the Austin Area: An Aid to Urban Planning, Report
 of Investigations 86, The University of Texas at Austin,
 Bureau of Economic Geology, reprinted 1992, 1976.

The seal appearing on this
 document was authorized
 by Kristin M. Miller, P.G. # 1720
 January 22, 2024.

Legend

- Project Boundary
- Kdr - Del Rio clay
- Topography (feet)
- Water Well No. 1



0 50 100
 Feet

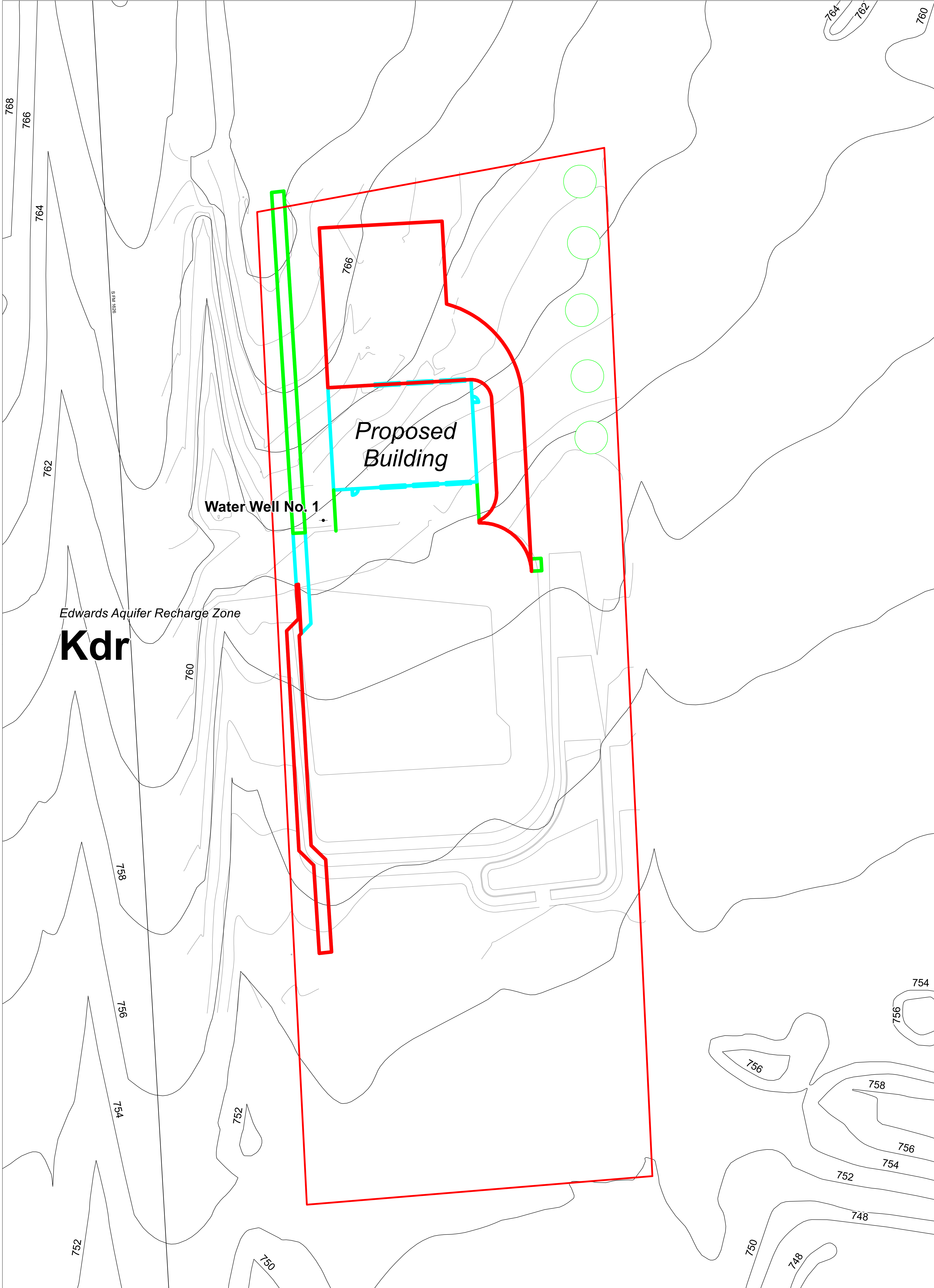
1 inch = 100 feet

ESCARPMENT ENVIRONMENTAL
 Geologic Consulting and Environmental Permitting

Figure 3
Geologic Map
 1.5-acre property
 1185 S. FM 1626
 Buda, Hays County, Texas

Appendix D

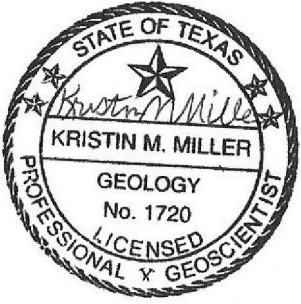
Site Geologic Map



Geology:
Garner, L. E., and K. P. Young, Environmental Geology of the Austin Area: An Aid to Urban Planning, Report of Investigations 86, The University of Texas at Austin, Bureau of Economic Geology, reprinted 1992, 1976.

Legend

- Project Boundary
- Kdr - Del Rio clay
- Edwards Aquifer Contributing Zone
- Topography (feet)
- Water Well No. 1



The seal appearing on this document was authorized by Kristin M. Miller, P.G. # 1720 22 January 2024.

1 inch = 20 feet
0 10 20
Feet



Site Geologic Map (24" x 36")
1.5-acre property
1185 S. FM 1626
Buda, Hays County, Texas



V.

**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: Travis Flake

Date: 12/11/2023

Signature of Customer/Agent:



Project Information

1. Current Regulated Entity Name: Driftwood Diesel
Original Regulated Entity Name: Driftwood Diesel
Regulated Entity Number(s) (RN): 109814004
Edwards Aquifer Protection Program ID Number(s): 111000708
☒ The applicant has not changed and the Customer Number (CN) is: 605379189
☐ The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
2. ☒ **Attachment A: Original Approval Letter and Approved Modification Letters.** A copy of the original approval letter and copies of any modification approval letters are attached.

3. A modification of a previously approved plan is requested for (check all that apply):
- ☒ Physical or operational modification of any water pollution abatement structure(s) including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;
 - ☐ Change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
 - ☒ Development of land previously identified as undeveloped in the original water pollution abatement plan;
 - ☐ Physical modification of the approved organized sewage collection system;
 - ☐ Physical modification of the approved underground storage tank system;
 - ☐ Physical modification of the approved aboveground storage tank system.
4. ☒ Summary of Proposed Modifications (select plan type being modified). If the approved plan has been modified more than once, copy the appropriate table below, as necessary, and complete the information for each additional modification.

<i>WPAP Modification</i>	<i>Approved Project</i>	<i>Proposed Modification</i>
<i>Summary</i>		
Acres	<u>1.50</u>	<u>1.50</u>
Type of Development	<u>Commercial</u>	<u>Commerical</u>
Number of Residential Lots	<u>0</u>	<u>0</u>
Impervious Cover (acres)	<u>0.46</u>	<u>0.61</u>
Impervious Cover (%)	<u>30.5</u>	<u>40.7</u>
Permanent BMPs	<u>Grassy swale</u>	<u>Grassy Swale</u>
Other	<u>Pervious Pavers</u>	<u>Pervious pavers</u>

<i>SCS Modification</i>	<i>Approved Project</i>	<i>Proposed Modification</i>
<i>Summary</i>		
Linear Feet	_____	_____
Pipe Diameter	_____	_____
Other	_____	_____

<i>AST Modification</i>	<i>Approved Project</i>	<i>Proposed Modification</i>
--------------------------------	--------------------------------	-------------------------------------

Summary

Number of ASTs	_____	_____
Volume of ASTs	_____	_____
Other	_____	_____

<i>UST Modification</i>	<i>Approved Project</i>	<i>Proposed Modification</i>
--------------------------------	--------------------------------	-------------------------------------

Summary

Number of USTs	_____	_____
Volume of USTs	_____	_____
Other	_____	_____

5. ☒ **Attachment B: Narrative of Proposed Modification.** A detailed narrative description of the nature of the proposed modification is attached. It discusses what was approved, including 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.

**MODIFICATION TO PREVIOUSLY APPROVED PLAN SECTION
ATTACHMENT A**

ORIGINAL APPROVAL LETTER AND APPROVED MODIFICAITON LETTERS

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 24, 2017

Mr. Chris Rickman
 Driftwood Diesel, LLC
 P.O. Box 1023
 Buda, Texas 78610

Re: Edwards Aquifer: Hays County
 NAME OF PROJECT: Driftwood Diesel; located at 1185 FM 1626, Buda, Texas
 TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP);
 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer
 Edwards Aquifer Protection Program ID No. 111000708; Regulated Entity No.
 RN109814004

Dear Mr. Rickman:

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 Southwest Engineers, Inc. on behalf of Driftwood Diesel, LLC on August 28, 2017. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

PROJECT DESCRIPTION

The proposed 1.5-acre project site lies within the Edwards Aquifer recharge zone. Construction of the proposed automotive repair shop will consist of one (1) building, an entrance and parking areas. An existing barn and fencing will be demolished. The total acreage of impervious cover (IC) for the project is 0.34 acres (22.7 %). Project wastewater will be disposed of by an onsite sewage facility. According to a letter dated, August 10, 2017, signed by Ms. April Rigley, with the Hays County Development Services, the site is acceptable for the use of on-site sewage facilities.

In addition to the described activities, temporary erosion and sedimentation controls will be installed prior to commencing site disturbance and maintained during construction.

Mr. Chris Rickman
 Page 2
 October 24, 2017

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 grassy swale will be constructed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) to treat stormwater runoff. The required TSS load removal is 202 lbs. The proposed grassy swale is designed to treat a drainage area of 1.09 acres with 0.12 acres of existing IC and 0.34 acres of proposed IC.

GEOLOGY

According to the Geologic Assessment (GA) included in the application the site is located in the Edwards Aquifer Recharge Zone. The Del Rio Formation overlies the Georgetown Limestone Formation and forms the upper confining unit of the Edwards Aquifer. The GA listed one (1) sensitive manmade feature, a water well, that was discovered onsite. A site assessment conducted by TCEQ on October 17, 2017 revealed that the site was accurately described the GA. No additional sensitive geologic features were discovered during the site assessment.

SPECIAL CONDITIONS

- I. Additional WPAP approvals or Modifications are required prior to commencing additional regulated activities.
- II. All sediment and/or media removed from the site 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.
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

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. One (1) well exists onsite. 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.

Mr. Chris Rickman
Page 4
October 24, 2017

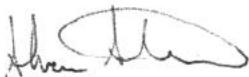
16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
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 the 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 Mr. Bryan Maynard, of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Shawn Stewart
Water Section Manager
Austin Region Office

CSS/bgm

• Mr. Chris Rickman
Page 5
October 24, 2017

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

cc: Mr. Travis Flake, P.E., Southwest Engineers, Inc., Buda
Mr. John Nett, City Engineer, City of Buda
Mr. John Dupnik, P.G., General Manager, Barton Springs/Edwards Aquifer
Conservation District
Mr. Tom Pope, Programs Manager, Hays County Environmental Health

MODIFICATION TO PREVIOUSLY APPROVED PLAN ATTACHMENT B

NATURE OF PROPOSED MODIFICATION

A modification is requested to the existing Watershed Pollution Abatement Plan for the regulated activity proposed within the Edwards Aquifer Recharge Zone on this project. This project is the second phase of the Driftwood Diesel project. The first phase was permitted under Edwards Aquifer Protection program ID No. 111000708 on October 24, 2017.

That development proposed total impervious cover on-site of 0.34 acres and proposed permanent treatment with a grassy swale. In addition, it included 5,115 sf of pervious pavers. That construction including the grassy swale was completed.

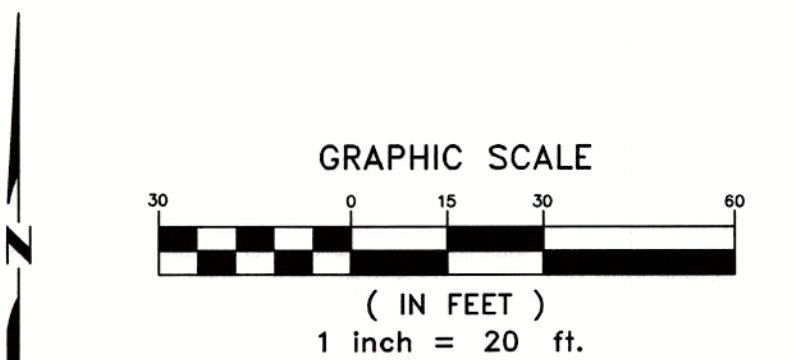
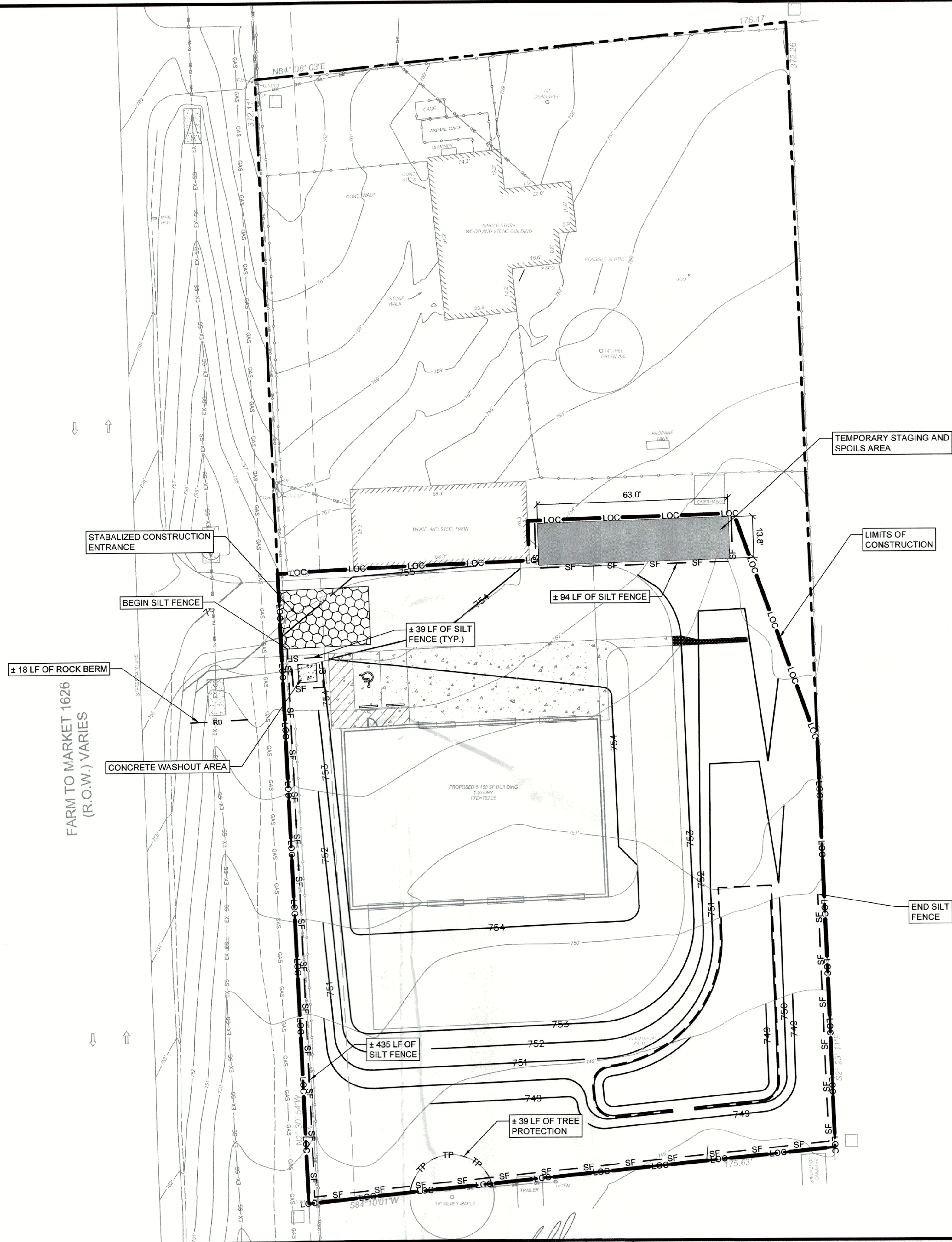
The proposed improvements do not increase this total impervious cover and does not disrupt the existing drainage patterns. This is accomplished by the demolition of existing barn foundation and a single-family home in order to create space for the new garage. Additional paving is constructed of pervious material, TrueGrid or approved equal. The total proposed impervious cover is 0.337 acres.

The existing grassy swale and other areas on-site have been utilized for vehicle parking. As part of this project, those areas will be restored to an uncompacted state and revegetated.

**MODIFICATION TO PREVIOUSLY APPROVED PLAN SECTION
ATTACHMENT C**

CURRENT SITE PLAN OF THE APPROVED LAYOUT

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LEGEND	
	PROPERTY LINE
	PROPERTY LINE (ADJACENT)
	EXISTING EASEMENT
	EXISTING ELECTRICAL
	EXISTING UNDERGROUND ELEC.
	EXISTING OVERHEAD ELEC.
	EXISTING GAS
	EXISTING CONTOURS
	PROPOSED CONTOURS
	EXISTING TREE (TO REMAIN)
	EXISTING TREE (REMOVAL)
	PROPOSED CURB & GUTTER (UNLESS OTHERWISE NOTED ON SITE OR GRADING PLAN)
	PROPOSED SIDEWALK
	L.O.C. (LIMITS OF CONSTRUCTION)
EXISTING UTILITIES:	
	WATER
	WASTEWATER
	STORM SEWER
	FIRE HYDRANTS
	WATER VALVE
	MANHOLE (STORM)
	MANHOLE (WW)
	INLET
	SILT FENCE
	TP - TREE PROTECTION
	TFD - TRIANGULAR FILTER DIKE
	IP - INLET PROTECTION
	RB - ROCK BERM
	S.C.E. (STABILIZED CONSTRUCTION ENTRANCE)
	S.C.S. (TEMPORARY SPOILS AND CONSTRUCTION STAGING)

- NOTES:
- 1) ALL PUBLIC STREETS SHALL BE CLEARED OF SEDIMENT AND MUD ON A DAILY BASIS. EXISTING DRIVEWAYS MAY TO BE USED AS STABILIZED CONSTRUCTION ENTRANCE IN ADDITION TO THE TO THE PROPOSED CONSTRUCTION ENTRANCE SHOWN ON THE PLAN.
 - 2) CONCRETE WASHOUT PITS MUST BE CLEANED OUT ONCE FILLED TO GROUND LEVEL (FOR BELOW GRADE PITS) OR ONCE FILLED TO THE TOP OF THE ABOVE GRADE FRAME (FOR AT-ABOVE GRADE PITS).

LIMITS OF CONSTRUCTION:
±35,987 SF = ±0.83 AC



TEXAS ONE CALL SYSTEM
1-800-245-4545

UNDER PENALTY OF LAW, THE CONTRACTOR IS REQUIRED TO CONTACT THE TEXAS ONE CALL SYSTEM AT LEAST 48 HOURS BEFORE STARTING EXCAVATION.

NOTE: ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARES THEM. IN APPROVING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

CAUTION - ELECTRICITY PRESENT

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS THAT ENTER OR WORK ON THIS PROJECT ARE RESPONSIBLE FOR LOCATING, USING ONE-CALL OR THE ELECTRIC UTILITIES THEMSELVES, ALL OVERHEAD AND UNDERGROUND ELECTRICAL OF ANY NATURE AND FOR SAFEGUARDING ALL PERSONNEL ON THIS PROJECT, INCLUDING ANY OFF-SITE WORK AREAS SHOWN ON THE PLAN, FROM ANY INTERFERENCE WITH THE ELECTRIC LINES OR FROM DAMAGING, DIGGING UP OR UNCOVERING THE ELECTRIC LINES, GETTING A LADDER IN HARMS WAY OR ANY OTHER ACTIVITY OF ANY NATURE THAT COULD HARM ANY INDIVIDUAL IN ANY MANNER. THIS RESPONSIBILITY HEREBY REMOVES THE ENGINEER AND THE OWNER FROM ANY LIABILITY OF ANY NATURE.

NO.	REVISION	DATE

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TRAVIS FLAKE, P.E. #109871 ON THE DATE INDICATED. ANY ALTERATIONS OF THIS SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.



SOUTHWEST ENGINEERS

Civil | Environmental | Land Development

GONZALES
307 St. Lawrence St.
Gonzales, TX 78629
P: 830.672.7546
F: 830.672.2034

BUDA
142 Cimarron Park Loop
Suite A
Buda, TX 78610
P: 512.312.4336

TBPE NO. F-1909
WWW.SWENGINEERS.COM
SWE@SWENGINEERS.COM

WARNING

IF THIS BAR DOES NOT MEASURE 1",
THE DRAWING IS NOT TO SCALE

DRAWN BY: LG DATE: 01/18/17

CHECKED BY: TF DATE: 01/18/17

EROSION AND SEDIMENTATION SHEET

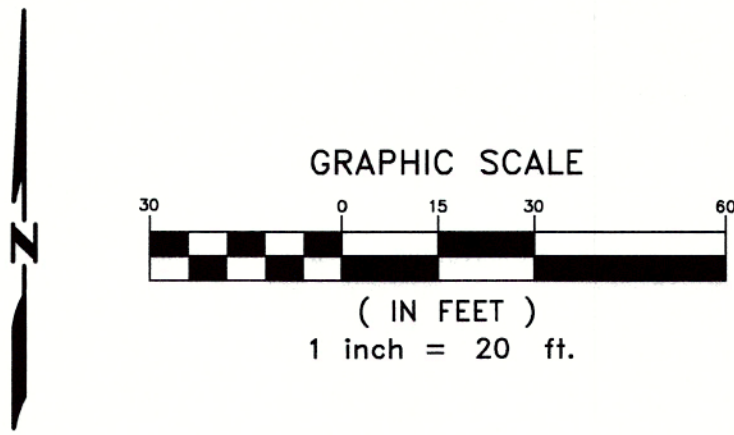
DRIFTWOOD DIESEL
1185 FM 1626, BUDA TEXAS 78610

PROJECT NO. 700-001-17

DRAWING NO. _____

SHEET 5 OF 12

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LEGEND	
	PROPERTY LINE
	PROPERTY LINE (ADJACENT)
	EXISTING EASEMENT
	EXISTING ELECTRICAL
	EXISTING UNDERGROUND ELEC.
	EXISTING OVERHEAD ELEC.
	EXISTING GAS
	EXISTING CONTOURS
	EXISTING TREE (TO REMAIN)
	EXISTING TREE (REMOVAL)
	EXISTING SPOT GRADES
	DRAINAGE BOUNDARY LINE
	TIME OF CONCENTRATION LINE
	DRAINAGE FLOW ARROW
	DRAINAGE LABEL
	INLET LABEL

Drainage Area No.	Area (ac.)	Estimated Impervious Cover (ac.)	Impervious Cover (%)	T _c (min.)	Pervious Cover Condition
EA	1.499 ac	0.120 ac	8.0%	9.1 min.	Undev - Pasture/Range - Average, 2-7%
OA	0.006 ac	0.006 ac	100.0%	5.0 min.	Undev - Pasture/Range - Average, 2-7%

Peak Flow				
	2-yr	10-yr	25-yr	100-yr
Pre	2.3	5.54	7.43	10.58

NO.	REVISION	DATE

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WARNING
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DRAWN BY: LG DATE: 01/18/17

CHECKED BY: TF DATE: 01/18/17

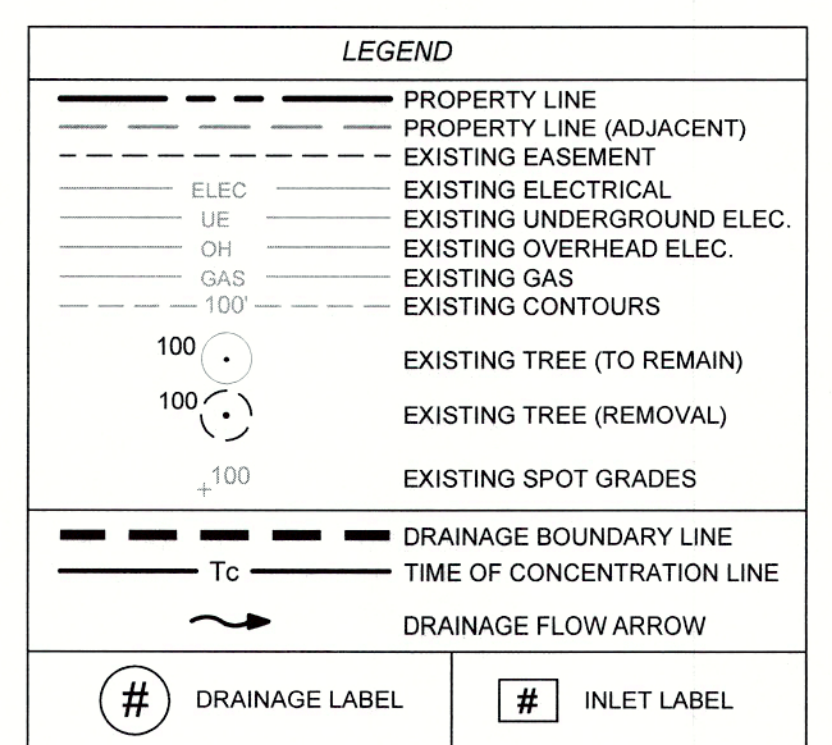
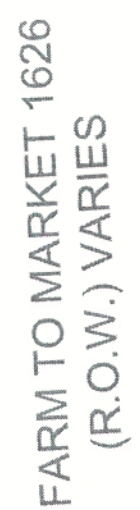
EXISTING DRAINAGE AREA MAP

DRIFTWOOD DIESEL
1185 FM 1626, BUDA TEXAS 78610




PROJECT NO. 700-001-17

DRAWING NO.

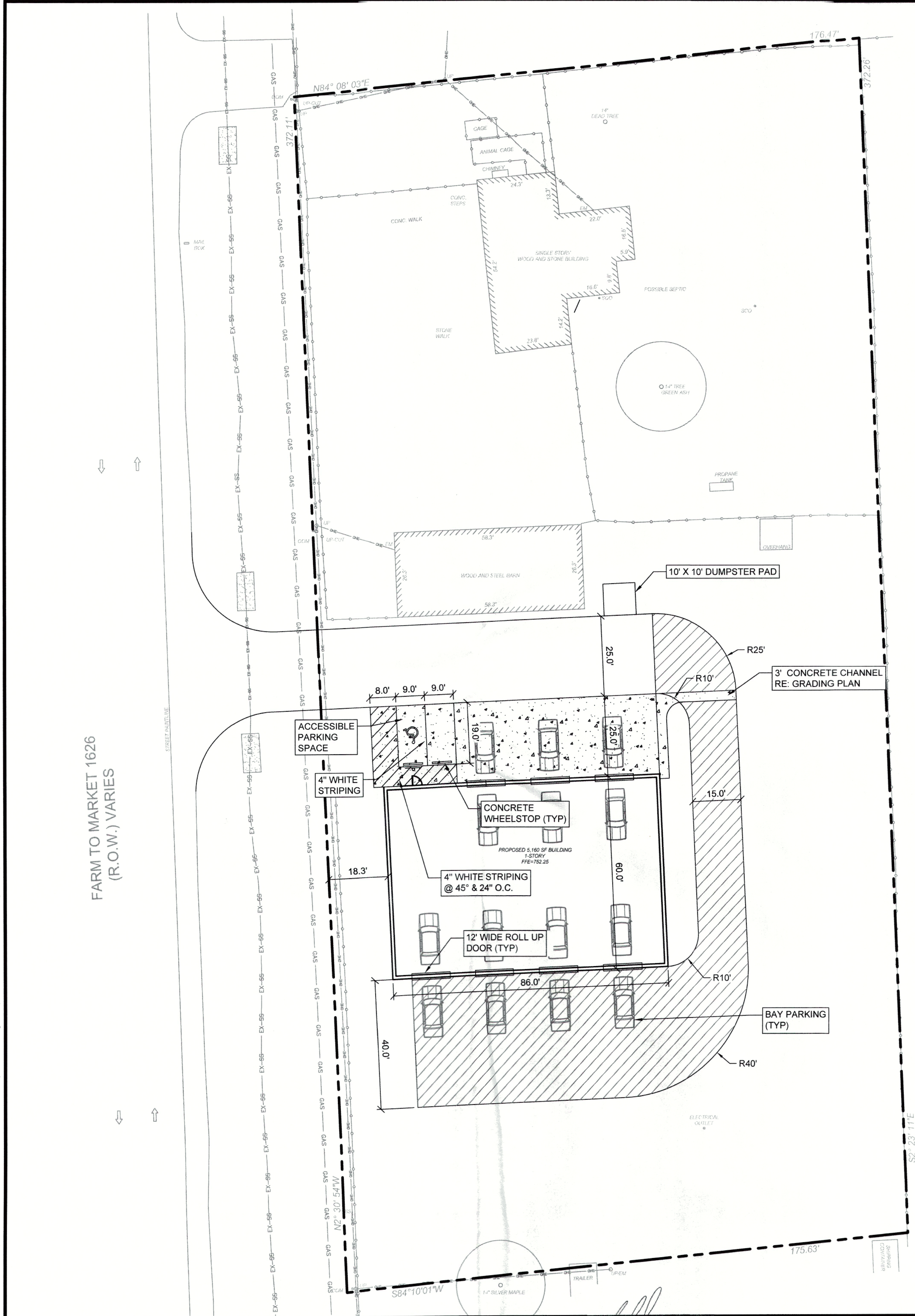
SHEET 6 OF 12



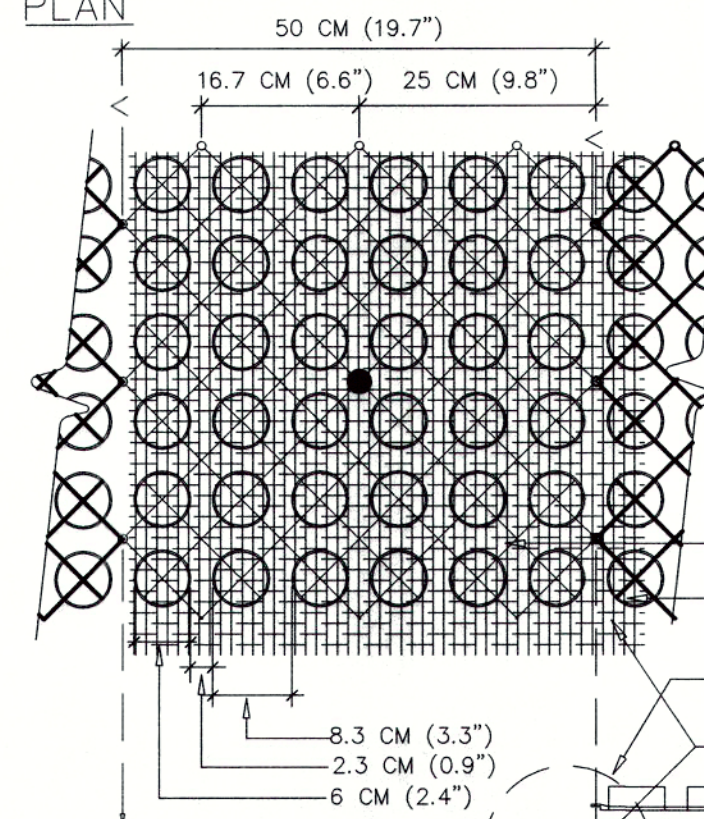
Peak Flow				
	2-yr	10-yr	25-yr	100-yr
Pre	2.3	5.54	7.43	10.58
Post	2.18	5.52	7.42	10.49
Det. El.	749.11	749.54	749.70	749.96

NO.		REVISION		DATE		THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TRAVIS FLAKE, P.E. #108871 ON THE DATE INDICATED. ANY ALTERATIONS OF THIS SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.				 SOUTHWEST ENGINEERS Civil Environmental Land Development GONZALES 307 St. Lawrence St. Gonzales, TX 78629 P: 830.672.7546 F: 830.672.2034 BUDA 142 Cimarron Park Loop Suite A Buda, TX 78610 P: 512.312.4336 T8PE NO. F-1909 WWW.SWENGINEERS.COM SWE@SWENGINEERS.COM		WARNING  IF THIS BAR DOES NOT MEASURE 1", THE DRAWING IS NOT TO SCALE		PROPOSED DRAINAGE AREA MAP		PROJECT NO. 700-001-17	
												DRAWN BY: LG DATE: 01/18/17		DRIFTWOOD DIESEL 1185 FM 1626, BUDA TEXAS 78610		DRAWING NO.	
												CHECKED BY: TF DATE: 01/18/17				SHEET 7 OF 12	

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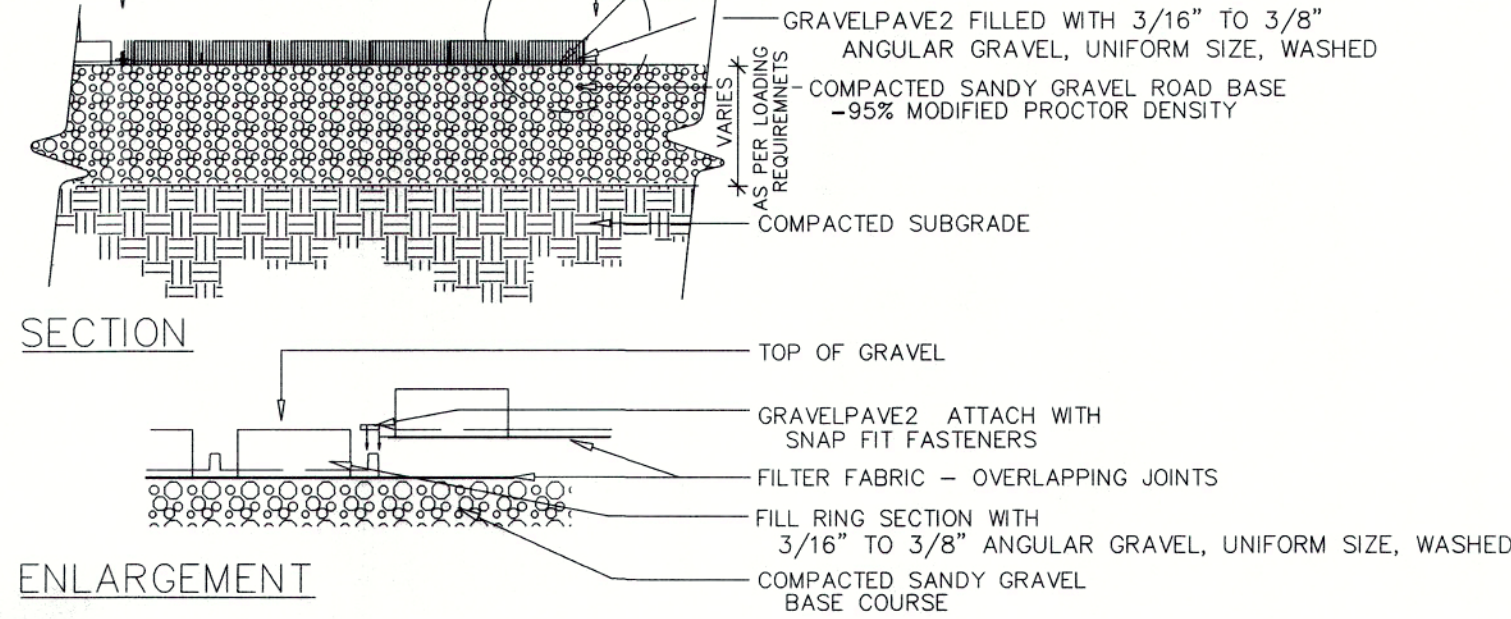
PLAN



SPECIFICATIONS

UNITS
UNIT SIZE - 50 CM X 50 CM X 2.5 CM
(20" X 20" X 1")
AVAILABLE IN 9 STANDARD ROLL SIZES
UNIT WEIGHT - 538 GRAMS (19 OZ.)
OR 2.2 KG (4.8 POUNDS)
STRENGTH - 402 KG/CM (5720 PSI)
COLOR - BLACK (STANDARD)
RESIN - 100% POST-CONSUMER
RECYCLED HDPE/LDPE
FABRIC
WEIGHT - 3.5 OZ/SY (120 GM/M)
TENSILE - 120 LB/FT (585 KG/M)
FLOW - 275 GAL/MIN/SF (11,200 L/MIN/M)
OPTIONS - CUSTOM FABRIC TO 6 OZ.
AVAILABLE

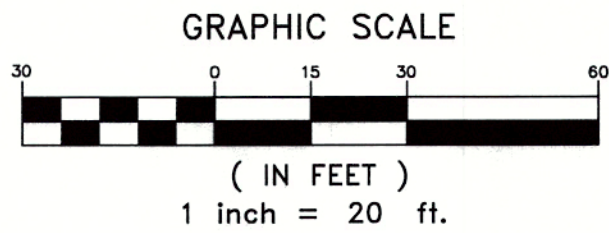
SECTION



ENLARGEMENT

TYPICAL GRAVELPAVE2 DETAIL

NOT TO SCALE
CHOOSE THIS PRODUCT FOR REINFORCING GRAVEL WEARING SURFACES
Invisible Structures, Inc.
Gvdet.dwg
1600 Jackson Street, SUITE 310
GOLDEN, COLORADO 80401
800-225-1510 OR 303-235-8383
FAX: 303-235-8382
Version: 02/10



LEGEND	
---	PROPERTY LINE (ADJACENT)
---	EXISTING EASEMENT
---	EXISTING ELECTRICAL
---	EXISTING UNDERGROUND ELEC.
---	EXISTING OVERHEAD ELEC.
---	EXISTING GAS
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
---	EXISTING TREE (TO REMAIN)
---	EXISTING TREE (REMOVAL)
---	PROPOSED CURB & GUTTER (UNLESS OTHERWISE NOTED ON SITE OR GRADING PLAN)
---	PROPOSED FIRE LANE (PAINTED FIRE LANE NO PARKING AND STRIPING ON CURB AND/OR GUTTER AS SPECIFIED & SHOWN)
---	PROPOSED SIDEWALK

- NOTES:
- 1) ALL DIMENSIONS ARE TO THE FACE OF CURB.
 - 2) ALL RADII ARE 3' UNLESS OTHERWISE NOTED.

PAVEMENT LEGEND

- RIGID PAVEMENT
 - PERVIOUS PAVEMENT (GRAVELPAVE2 DETAIL)
 - COMPACTED ROAD BASE PAVEMENT
- PERVIOUS AND GRAVEL PAVEMENTS TO BE DUST FREE.

SITE AND ZONING TABLE			
Use	acre	Area sf	Zoning
Automotive Repair	1.499	65,303	ETJ
			Total Bldg. (sf.)
			5,160

Note: Maximum Impervious Cover is calculated as existing Impervious Cover plus additional 15% over Edwards Aquifer.

IMPERVIOUS COVER SUMMARY			
EXISTING TO REMAIN	3,363 SF	(5.2%)	
EXISTING TO BE REMOVED	1,030 SF	(1.6%)	
PROPOSED BUILDING	5,160 SF	(7.9%)	
PROPOSED DRIVES & PARKING	5,081 SF	(7.8%)	
PERVIOUS PAVEMENT @ 0% IC			
TOTAL PROPOSED	10,241 SF	(15.7%)	
TOTAL	13,604 SF	(20.8%)	

PARKING SUMMARY	
CODE:	2/BAY + 2
BAYS:	7
REQUIRED:	16
PROVIDED:	16
REGULAR:	15
ACCESSIBLE:	1



TEXAS ONE CALL SYSTEM
1-800-245-4545

UNDER PENALTY OF LAW, THE CONTRACTOR IS
REQUIRED TO CONTACT THE TEXAS ONE CALL SYSTEM
AT LEAST 48 HOURS BEFORE STARTING EXCAVATION.

NOTE: ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS
WITH THE ENGINEER WHO PREPARES THEM. IN APPROVING THESE PLANS, THE
CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE
DESIGN ENGINEER.

CAUTION - ELECTRICITY PRESENT

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS THAT ENTER OR
WORK ON THIS PROJECT ARE RESPONSIBLE FOR LOCATING, USING
ONE-CALL OR THE ELECTRIC UTILITIES THEMSELVES. ALL OVERHEAD AND
UNDERGROUND ELECTRICAL OF ANY NATURE AND FOR SAFEGUARDING
ALL PERSONNEL ON THIS PROJECT, INCLUDING ANY OFF-SITE WORK
AREAS SHOWN ON THE PLAN, FROM ANY INTERFERENCE WITH THE
ELECTRIC LINES OR FROM DAMAGING, DIGGING UP OR UNCOVERING THE
ELECTRIC LINES, GETTING A LADDER IN HARM'S WAY OR ANY OTHER
ACTIVITY OF ANY NATURE THAT COULD HARM ANY INDIVIDUAL IN ANY
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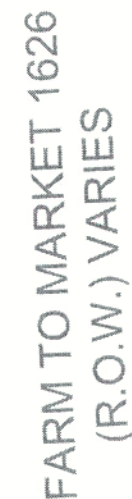
SITE AND DIMENSION CONTROL PLAN

DRIFTWOOD DIESEL
1185 FM 1626, BUDA TEXAS 78610

PROJECT NO. 700-001-17

DRAWING NO. _____

SHEET 8 OF 12



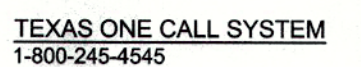
NOTES:

2) TOPSOIL THAT HAS BEEN STRIPPED FROM THE SITE AND STOCKPILED MAY BE USED. REMOVE ALL BRUSH, TRASH, STUMPS, WOOD, CONCRETE AND OTHER DEBRIS OVER 1-1/2 IN SIZE PRIOR TO SPREADING.

3) IF SUFFICIENT QUANTITIES ARE NOT AVAILABLE, PROVIDE IMPORTED TOPSOIL CHARACTERISTIC OF THE AREA. PROVIDE IMPORTED LOAM TOPSOIL CONTAINING A MINIMUM ORGANIC MATTER CONTENT BY WEIGHT OF 5%. TOPSOIL SHALL NOT HAVE A MIXTURE SUBSOIL AND SHALL CONTAIN NO STONES, LUMPS OF SOIL, STICKS, ROOTS, TRASH OR OTHER EXTRANEOUS MATERIALS LARGER THAN 1-1/2 INCHES IN DIAMETER OR LENGTH.

4) ALL SIDEWALK SLOPES SHALL NOT EXCEED THE FOLLOWING A.D.A. REQUIREMENTS:
1:20 LONGITUDINAL (ALONG THE WALK) MAX.
1:50 TRANSVERSE (ACROSS THE WALK) MAX.
ALL HANDICAP LOADING AND UNLOADING AREAS SHALL NOT EXCEED 1:50 IN ANY DIRECTION.

5) ADJUST ALL EXISTING CASTINGS, MANHOLES, AND STRUCTURES TO PROPOSED GRADES.



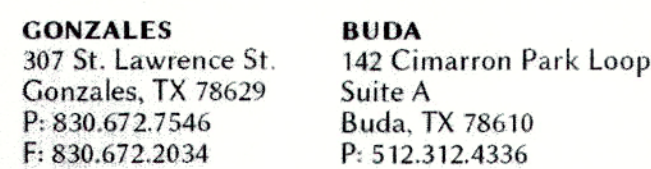
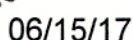
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GRADING & WATER QUALITY PLAN

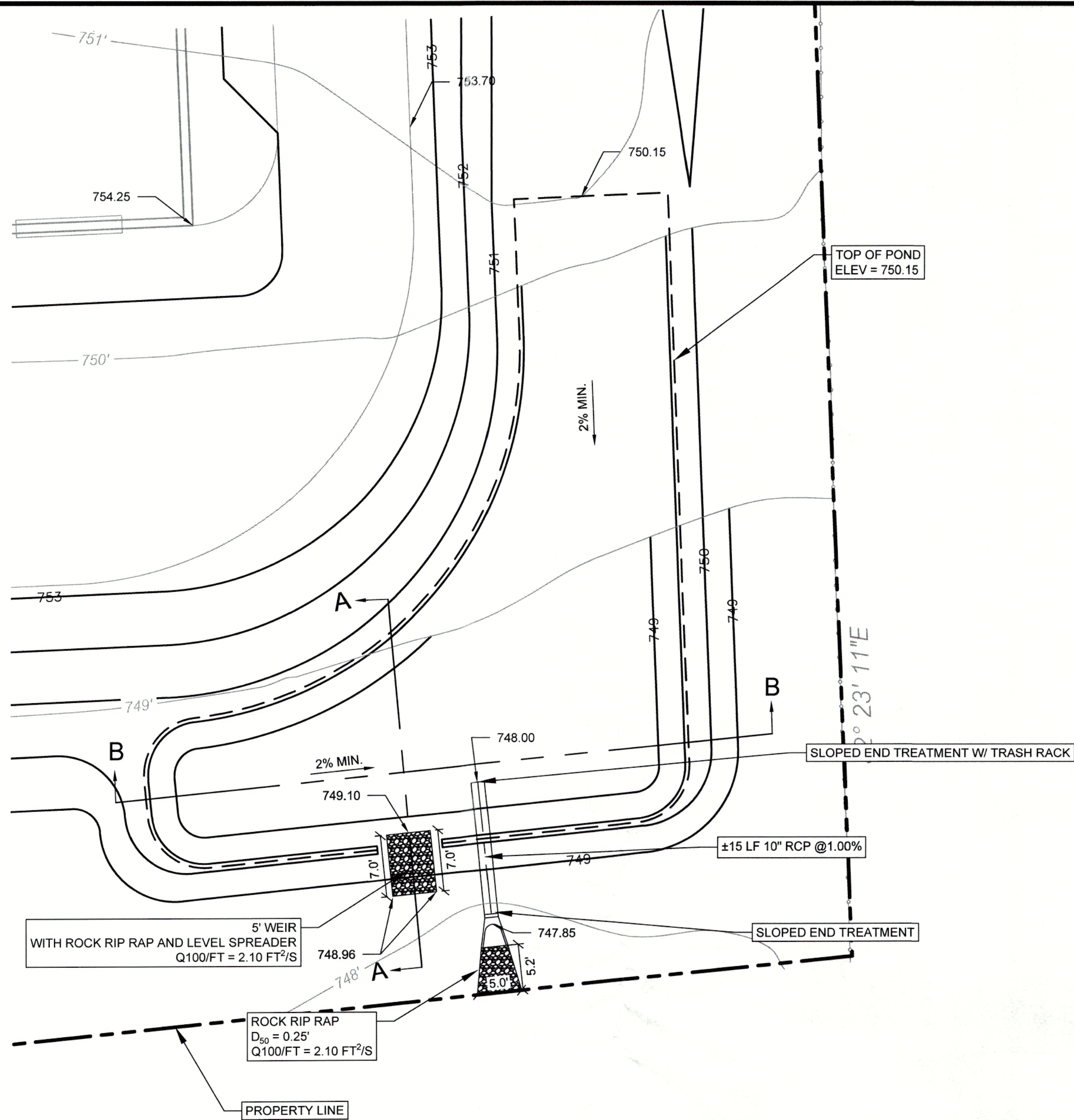
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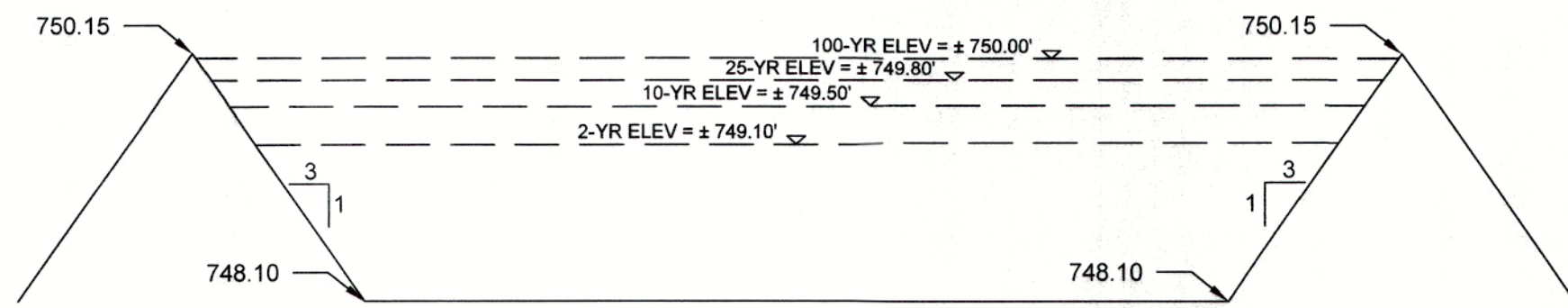
SHEET 9 OF 12

O:\CompanyData\Clients\0700 - Driftwood Diesel\0700-001-17 Driftwood Diesel Site Plan\Work in Progress\0700-001-17 Driftwood Diesel Pond.dwg ~ Thu, Aug 17, 2017, 1:20pm, By: C1038_Morohi

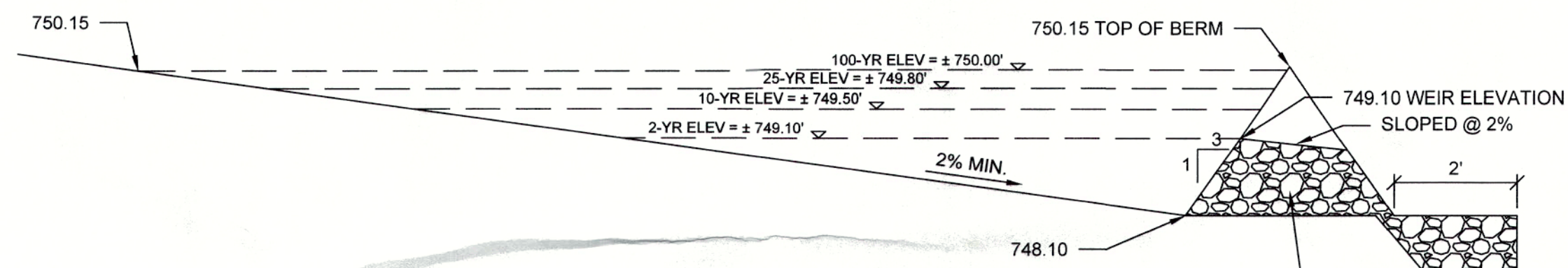


Peak Flow Table				
	2-yr	10-yr	25-yr	100-yr
Pre	2.3	5.54	7.43	10.58
Post	2.18	5.52	7.42	10.49
Det. El.	749.11	749.54	749.70	749.96

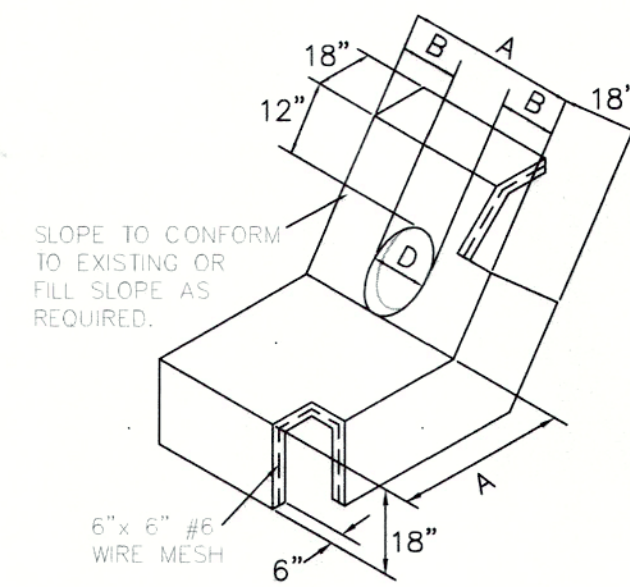
Elevation-Area	
748.00	0.000 acres
749.00	0.023 acres
750.00	0.048 acres
750.15	0.053 acres



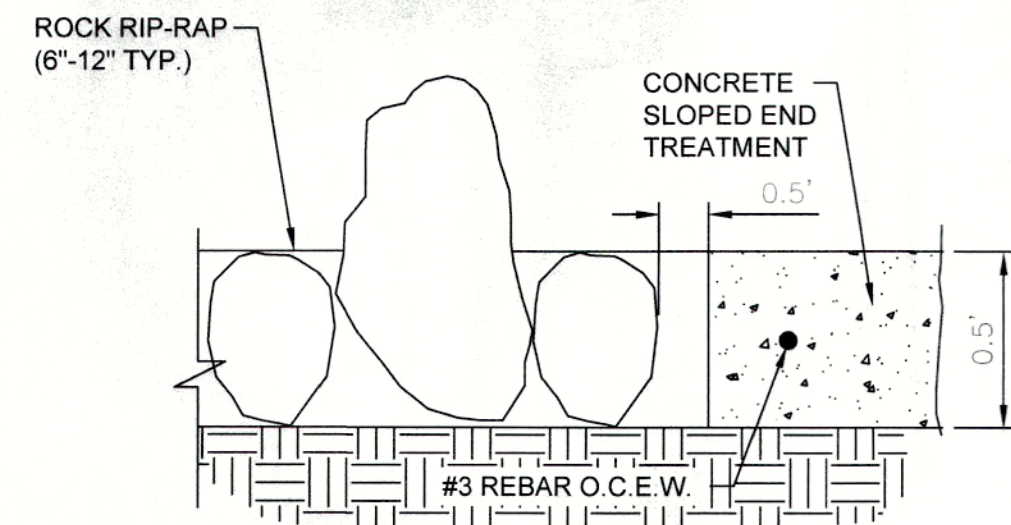
SECTION B-B
HORZ: 1=1
VERT: 1=10



SECTION A-A
HORZ: 1=1
VERT: 1=10



TYPICAL SLOPED END
TREATMENT AT PIPE
N.T.S.



ROCK RIP-RAP DETAIL
SCALE: N.T.S.



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1-800-245-4545

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DETENTION POND DETAILS

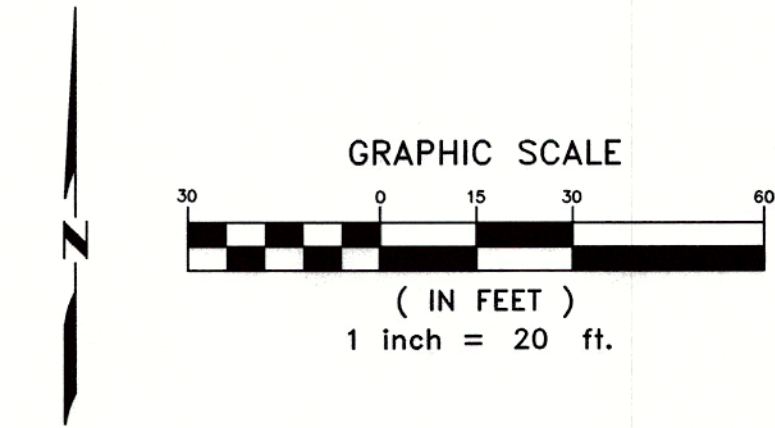
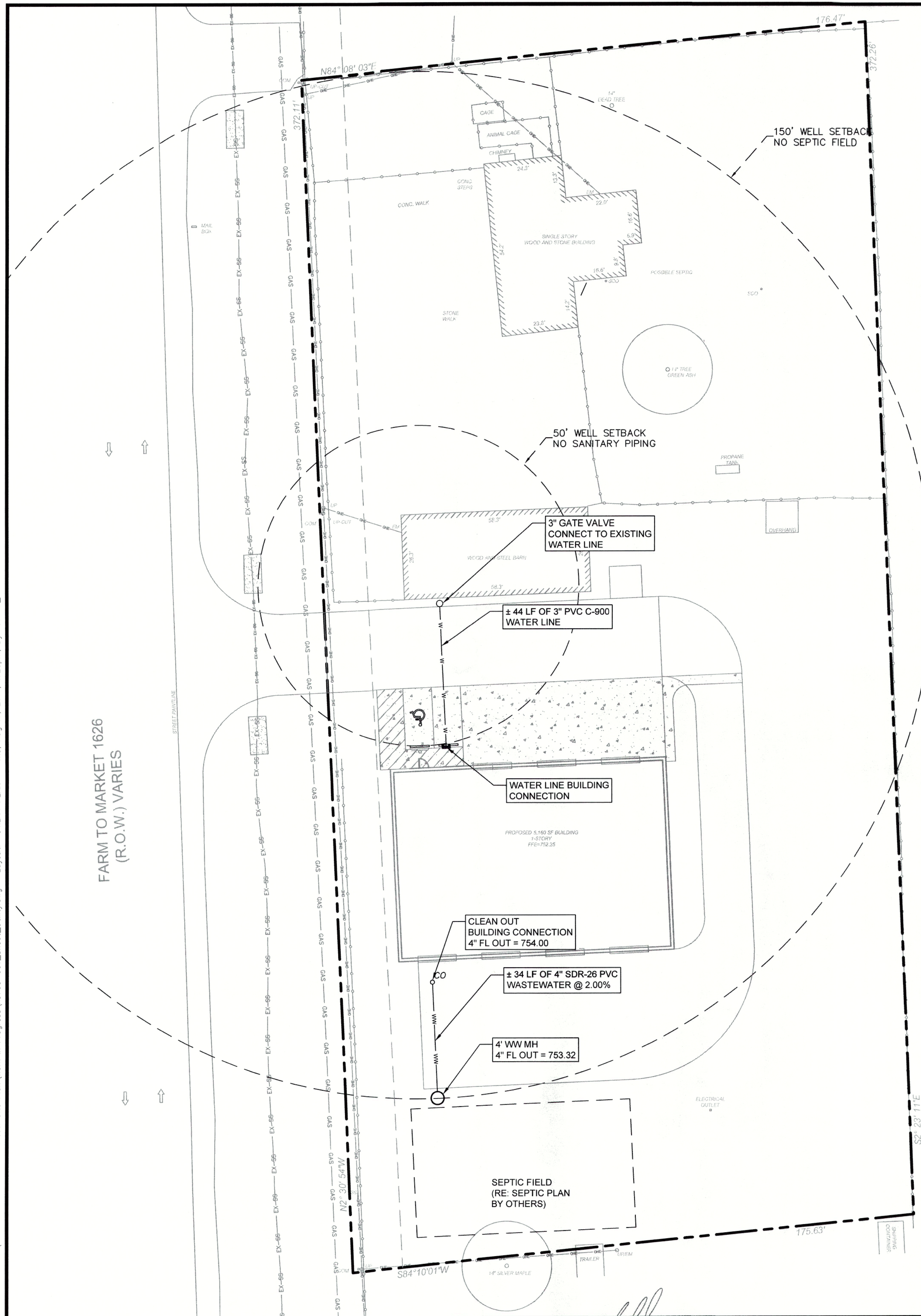
DRIFTWOOD DIESEL
1185 FM 1626, BUDA TEXAS 78610

PROJECT NO. 700-001-17

DRAWING NO.

SHEET 10 OF 12

C:\CompanyData\Clients\0700 - Driftwood Diesel\0700-001-17 Driftwood Diesel Site Plan Work in Progress\0700-001-17_Sheet_Utility.dwg ~ Layout: "UTILITY PLAN" ~ Thu, Aug 17, 2017, 1:20pm, By: C1038, Morahl



LEGEND	
	PROPERTY LINE
	PROPERTY LINE (ADJACENT)
	EXISTING EASEMENT
	EXISTING ELECTRICAL
	EXISTING UNDERGROUND ELEC.
	EXISTING OVERHEAD ELEC.
	EXISTING GAS
	EXISTING CONTOURS
	PROPOSED CONTOURS
	EXISTING TREE (TO REMAIN)
	EXISTING TREE (REMOVAL)
	PROPOSED CURB & GUTTER (UNLESS OTHERWISE NOTED ON SITE OR GRADING PLAN)
	PROPOSED SIDEWALK
PROPOSED UTILITIES:	
	FIRE HYDRANTS
	WATER VALVE
	MANHOLE (STORM)
	MANHOLE (WW)
	INLET
	WATER
	WASTEWATER
	STORM SEWER
EXISTING UTILITIES:	
	FIRE HYDRANTS
	WATER VALVE
	MANHOLE (STORM)
	MANHOLE (WW)
	INLET
	WATER
	WASTEWATER
	STORM SEWER

GENERAL NOTES:

- CONTRACTOR TO REFER TO ARCHITECTURAL/MEP FOR CONNECTION OF WATER AND WASTEWATER SERVICE LINES TO BUILDING DETAILS AND SPECIFICATIONS.
- CONTRACTOR TO FIELD VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITY LINES PRIOR TO CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER IF DISCREPANCIES ARISE BETWEEN RECORD INFORMATION AND IN THE FIELD.
- ALL WATER AND WASTEWATER SERVICE LINES ARE DESIGNED UP TO 5' (FEET) FROM PROPOSED BUILDING.
- CONTRACTOR TO CENTER ONE JOINT OF PIPE AT ALL WATER AND WASTEWATER CROSSINGS.

WASTEWATER NOTES:

- WASTEWATER SERVICE LINES TO BE SDR-26 PVC UNLESS OTHERWISE NOTED.

WATER NOTES:

- WATER SERVICE LINES TO BE C-900 DR-14 PVC UNLESS OTHERWISE NOTED.



TEXAS ONE CALL SYSTEM
1-800-245-4545

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UTILITY PLAN

DRIFTWOOD DIESEL
1185 FM 1626, BUDA TEXAS 78610

PROJECT NO. 700-001-17
DRAWING NO. _____
SHEET 11 OF 12



VI.

**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: Travis Flake, Flake Engineering

Date: 10-11-23

Signature of Customer/Agent:



Regulated Entity Name: Driftwood Diesel

Project Information

Potential Sources of Contamination

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

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

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

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

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

- ☐ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.
- ☐ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- ☒ Fuels and hazardous substances will not be stored on the site.
- 2. ☒ **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. ☒ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. ☒ **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

- 5. ☒ **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - ☒ For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - ☒ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. ☒ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Onion Creek

Temporary Best Management Practices (TBMPs)

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

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

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

- ☒ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
- ☒ N/A
12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15. ☒ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

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

Administrative Information

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

TEMPORARY STORMWATER SECTION ATTACHMENT A

SPILL RESPONSE ACTIONS

Responsibility for adequate cleanup of any chemical spills during construction will be placed on the contractor. All cleanups will be to standards of TCEQ RG-348, dated July 2005. The contractor will notify TCEQ of any chemical spills as required and outlined in the Technical Guidance on Best Management Practices at 512-339-2929 for the Austin Regional Office during normal business hours, and 1-800-832-8224 for the Spill Reporting Hotline. The TCEQ guidance can be found at <https://www.tceq.texas.gov/publications/rg/rg-348>.

Reportable quantities as defined by 30 TAC Chapter 327 are as follows:

(a) Hazardous substances. The reportable quantities for hazardous substances shall be:

(1) for spills or discharges onto land--the quantity designated as the Final Reportable Quantity (RQ) in Table 302.4 in 40 CFR §302.4; or

(2) for spills or discharges into waters in the state--the quantity designated as the Final RQ in Table 302.4 in 40 CFR §302.4, except where the Final RQ is greater than 100 pounds in which case the RQ shall be 100 pounds.

(b) Oil, petroleum product, and used oil.

(1) The RQ for crude oil and oil other than that defined as petroleum product or used oil shall be:

(A) for spills or discharges onto land--210 gallons (five barrels); or

(B) for spills or discharges directly into water in the state--quantity sufficient to create a sheen.

(2) The RQ for petroleum product and used oil shall be:

(A) except as noted in subparagraph (B) of this paragraph, for spills or discharges onto land--25 gallons;

(B) for spills or discharges to land from PST exempted facilities--210 gallons (five barrels); or

(C) for spills or discharges directly into water in the state--quantity sufficient to create a sheen.

(c) Industrial solid waste or other substances. The RQ for spills or discharges into water in the state shall be 100 pounds.

TEMPORARY STORMWATER SECTION ATTACHMENT B

POTENTIAL SOURCES OF CONTAMINATION

Some potential sources of contamination are as follows:

- fuel storage and use,
- chemical storage and use,
- use of asphaltic products,
- construction vehicles tracking onto public roads,
- existing solid waste,
- and other vehicular contaminants (i.e., fuel, oil, lubricants, etc.).

Refer to Attachment A for Spill Response Actions.

TEMPORARY STORMWATER SECTION ATTACHMENT C

SEQUENCE OF MAJOR ACTIVITIES

1. Construct temporary erosion control measures, including all silt fences, rock berms, diversion berms, and tree protection fencing per approved plan. (1.50 acres)
2. Conduct pre-construction conference with any inspector, water and wastewater utility representative, owner's representative, architect, engineer and contractor.
3. Perform clearing, demolition and rough grading. (0.64 acres)
4. Install utilities. Conduct water and wastewater utility construction and testing for city acceptance. Coordinate underground electric, telephone, cable tv, and telecommunications construction. Install inlet protection (0.05 acres).
5. Construct all weather access drives including asphalt and base. (0.16 acres).
6. Construct buildings. (0.08 acres)
7. Install all sidewalks. (0.05 acres)
8. Prior to city final acceptance, the contractor shall have vegetative cover in place in conformance with the general construction notes. All adjacent areas disturbed by the work will be repaired and revegetated by the general contractor to preexisting or better conditions. Permanent controls will be cleaned out and filter media will be installed prior to/concurrently with revegetation of site. (0 acres)
9. Schedule site final inspection with city environmental technician.
10. Remove any trapped sediment at erosion control devices and upon approval of city inspector. Remove all temporary erosion controls and tree protection. (0 acres)

TEMPORARY STORMWATER SECTION ATTACHMENT D

TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

At the beginning of the project, Temporary Best Management Practices (BMPs) will be installed according to the Erosion and Sedimentation Notes and Details sheet and placed as shown on the Erosion and Sedimentation Control Plan sheet. Silt fences will be installed and the proposed detention pond will be rough cut before construction begins. When full, the proposed detention pond overflow will concentrate downstream and pass-through silt fence and a rock berm. During construction, the silt fencing and detention pond are to be inspected weekly, and after any rainfall. There is no upgradient water from the undeveloped site upstream of the proposed development.

On-site Water

Silt fencing will be placed downwards along the boundary line of the tracts. These Temporary BMPs will be installed along the down-gradient boundary of the property to filter all runoff that originates on site. The temporary construction entrance will be installed to prevent tracking materials offsite. Additionally, a concrete truck washout area will be placed onsite and be accessible to all existing traffic leaving the site. By this, the Temporary BMPs will prevent pollution of surface water that originates on-site due to the construction of the project.

The following sections were taken from the TNCC Manual, "Complying with Edward Aquifer Rules: Technical Guidance on Best Management Practices."

- Construction Exit should be used at all designated access points.
 - Silt Fence (interior) Areas of minor sheet flow. < ¼ acre/100 feet of fence < 20% slopes.
 - Silt Fence (exterior) Down slope borders of site; up slope border is necessary to divert offsite drainage. For larger areas use diversion swale or berm. < ¼ acre/100 feet of fence < 20% slopes.
 - Rock Berm Drainage swales and ditches with and below site. < 5 acres < 30% slopes.
 - Inlet Protection Prevent sediment from entering storm drain system. < 1 acre.
 - Spill Prevention Used on all sites to reduce spills.
 - Concrete Washout Use on all concrete pouring operations.
- A. A description of how BMPs and measures will prevent pollution of surface water, groundwater or storm water that originates upgradient from the site and flows across the site.

1. The upgradient storm water will be directed to the previously mentioned temporary BMPs.
- B. 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 storm water runoff from the site.
1. Silt fence and stabilized construction entrances shall be used to prevent pollution of surface water, groundwater or storm water that originates on-site or flows off-site by locating the TBMPs downstream of the flows leaving the site. The TBMPs will reduce the amount of contaminated runoff leaving the site by acting as a filter for sediment before the flows are released into the existing storm sewer system. Also included is a stabilized construction entrance to reduce the amount of mud tracked onto surrounding streets by construction vehicles. Inspection and maintenance of the on-site controls shall be performed during the site clearing and rough grading process.
- All TBMPs will be maintained by the Contractor as will be described in the Contractor's Storm water Pollution Prevention Plan (SWPPP). The initial installation of Erosion and Sedimentation Controls, will act as a sediment trap, and help to prevent pollution of surface waters from runoff originating on-site to the greatest extent practicable.
- C. A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
1. By locating the TBMPs downstream of the flows leaving the site, the TBMPs will reduce the amount of contaminated runoff leaving the site by acting as a filter for sediment before the flows are released. Also included is a stabilized construction entrance to reduce the amount of mud tracked onto surrounding streets by construction vehicles. Inspection and maintenance of the on-site controls shall be performed during the site clearing and rough grading process. All TBMPs will be maintained by the Contractor as will be described in the Contractor's SWPPP. The initial installation of Erosion and Sedimentation Controls, will act as a sediment trap, and help to prevent pollution of surface waters from runoff originating onsite to the greatest extent practicable.
- D. 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.

Please refer to plan sheets **5**.

**TEMPORARY STORMWATER SECTION
ATTACHMENT E**

REQUEST TO TEMPORARILY SEAL A FEATURE

Not Applicable (N/A). There will be no temporary sealing of naturally-occurring sensitive features on the site.

TEMPORARY STORMWATER SECTION ATTACHMENT F

STRUCTURAL PRACTICES

Structural practices will be used to limit runoff discharge of pollutants from exposed areas of the site. Silt fencing, triangular sediment filter dikes, inlet protection devices, and stabilized construction entrances will be incorporated as temporary erosion control devices and will be removed after the permanent stabilization is established.

Silt fencing shall be incorporated throughout the construction process. The placement of the silt fencing shall be perpendicular to runoff flow. Refer to project construction documents for quantity and actual locations of these erosion control devices. In areas where silt fencing is to be situated but is non-installable, triangular filter dikes shall be incorporated.

Stabilized construction entrances will be employed during the construction of this site to help minimize vehicle tracking of sediments. Paved streets adjacent to these site entrances shall be cleaned and/or swept regularly to remove any excess mud, dirt or rock tracked from the site. Refer to the project construction documents for actual locations of these erosion control devices. Staging areas will be utilized in locations as decided by the project general contractor and validated by the civil engineer. If the contractor determines the need for additional stabilized construction entrances, construction staging areas or pits, their locations shall be agreed upon by the contractor and the engineer and annotated in the Storm Water Pollution Prevention Plan (SWPPP) posted on the site during construction.

**TEMPORARY STORMWATER SECTION
ATTACHMENT G**

DRAINAGE AREA MAPS

Please refer to Existing and Proposed Drainage Area Maps sheets in the construction plans.

**TEMPORARY STORMWATER SECTION
ATTACHMENT H**

TEMPORARY SEDIMENT POND(S) PLANS AND CALCULATIONS

This section is not applicable for this project.

TEMPORARY STORMWATER SECTION ATTACHMENT I

INSPECTION AND MAINTENANCE FOR BMPS

INSPECTIONS

Each contractor will designate a qualified person (or persons) to perform the following inspections:

1. Disturbed areas and areas used for storage of materials that are exposed to precipitation will be inspected for evidence of, or the potential for, pollutants entering the drainage system.
2. Erosion and sediment control measures identified in the plan will be observed to ensure that they are operating correctly.
3. Where discharge locations or points are accessible, they will be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.
4. Locations where vehicles enter or exit the site will be inspected for evidence of offsite sediment tracking.

The inspection shall be conducted by the responsible person at least once every seven (7) calendar days and within 24 hours after a storm providing 1/2 inches of rainfall or greater. If one or more of the following conditions apply, the frequency of inspections shall be conducted at least once every month:

1. The site has been temporarily stabilized.
2. Where runoff is unlikely due to winter conditions (i.e. site is covered with snow, ice, or where frozen ground exists).
3. During seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semi-arid areas (areas with an average annual rainfall of 10 to 20 inches).

The information required within an inspection and maintenance report are as follows:

1. Summary of the scope of the inspection.
2. Name(s) and qualifications of personnel making the inspection.
3. The date(s) of the inspection.

4. Major observations relating to the implementation of the storm water pollution prevention plan.
5. Changes required to correct damages or deficiencies in the control measures.

In addition to the required routine inspections, the following record of information will also be maintained:

1. The dates when selective clearing activities occur.
2. The dates when selective clearing activities permanently cease on a portion of the site.

Inspection and maintenance reports, as well as all records required by a Storm Water Pollution Prevention Plan (SWPPP), shall be included in the onsite SWPPP as part of the Texas Pollution Discharge Elimination System (TPDES) Report. Copies of example forms to be used for the inspection and maintenance reports along with their related records, will be included in the onsite SWPPP and are provided for reference.

MAINTENANCE

Based on the results of the inspection, any changes required to correct damages or deficiencies in the control measures shall be made within seven (7) calendar days after the inspection. If existing erosion controls need modification or additional erosion controls are necessary, implementation shall be achieved prior to the next anticipated storm event. If, however, the execution of this requirement becomes impractical, then the implementation will occur as soon as possible, with the incident duly noted with an explanation of the impracticality, in the inspection report.

Sediment accumulation at each control will be removed and properly disposed when the depth of accumulation equals or exceeds six (6) inches. If sediment accumulation is found to be contaminated, its disposal shall be off-site in a manner which conforms to the appropriate applicable regulations.

Inspection Report

Prevention Measure	Pollution	Inspected in Compliance	Corrective Action Required	
			Description (use additional sheet if necessary)	Date Completed
				(Y/N)
BEST MANAGEMENT PRACTICES				
Silt fences				
Rock berms				
Drain inlet protection				
Gravel filter bags				
Vehicle exits (offsite tracking)				
Concrete washout pit (leaks, failure)				
Temporary vegetation				
Permanent vegetation				
Sediment control basin				
Other structural controls				
Material storage areas (leakage)				
Equipment areas (leaks, spills)				
Construction debris				
General site cleanliness				
Trash receptacles				
Natural vegetation buffer strips				
EVIDENCE OF EROSION				
Site preparation				
Roadway or Parking Lot Construction				
Utility Construction				
Drainage Construction				
Building Construction				
MAJOR OBSERVATIONS				
Sediment discharges from site				
BMPs requiring maintenance				
BMPs requiring modification				
Additional BMPs required				

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Inspector's Name (Superintendent)

Inspector's Signature

Date

Name of Owner/Operator (Firm)

Authorized Signature

Date

Note: If there is a "NO" answer in the second column, the right columns will need to be completed and action is required within 7 days. Use additional sheets if necessary.

Responsible Party Form and Schedule

Prevention Measure	Pollution	Responsible Party Company Name									
		Start Date	Estimated Duration (Days)								
BEST MANAGEMENT PRACTICES											
Silt fences											
Rock berms											
Drain inlet protection											
Gravel filter bags											
Vehicle exits (offsite tracking)											
Concrete washout pit (leaks, failure)											
Temporary vegetation											
Permanent vegetation											
Sediment control basin											
Other structural controls											
Material storage areas (leakage)											
Equipment areas (leaks, spills)											
Construction debris											
General site cleanliness											
Trash receptacles											
Natural vegetation buffer strips											
Inspections											
SWP3 Modification & Records											
POTENTIAL EROSION SOURCES											
Clearing											
Grading											
Excavation											
Drainage Construction											
Utility Construction											
Roadway or Parking Lot Construction											
Foundation Construction											
Building Construction											
Landscaping Activities											
Identify responsible parties and indicate responsible party for each pollution prevention item listed above by marking an X under the Responsible Party Name.											

TEMPORARY STORMWATER SECTION ATTACHMENT J

SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

During Construction:

The methodology for handling pollution of on-site or up-gradient storm water during construction will include the following:

1. Silt fencing and rock berms will be used as a temporary erosion and sedimentation controls.
2. Stabilized construction entrances/exits will be put into place to reduce the dispersion of sediment from the site, and to aid in accessibility to the site.
3. A construction staging area will also be put into place for material stockpiles, machinery storage, and machinery maintenance.
4. Concrete truck washout pits will be put into place to prevent contamination of storm water runoff and to aid in the removal of sediments from the site.
5. As required by the TCEQ General Permit, disturbed areas on which construction activity has ceased (temporarily or permanently) and which will be exposed for more than 21 days shall be stabilized within 14 days. Areas receiving less than 20 inches of annual rainfall should be stabilized as soon as practicable and only to pre-project conditions.
6. If construction stops for more than 14 days, hydro-seeding, sod or other TCEQ approved method will be applied to re-stabilize vegetation.

After Construction:

This site will provide the following permanent pollution abatement measures to prevent the pollution of storm water originating on-site or upgradient from the project site:

1. Storm water will be directed to grate inlets via curbing and grading and discharged into the sedimentation/filtration basins. The sedimentation/filtration basins have been designed to capture and filter the required runoff from the individual watersheds. The basin has been designed in accordance with the TCEQ Technical Guidance Manual. Each basin will be constructed as that particular phase is built.

2. Native grasses will be used on-site to help reduce the use of fertilizers and this will in turn reduce the levels of phosphates present in the storm water runoff.
3. Where possible drainage will be directed across vegetated areas to provide some pretreatment prior to discharge into the filtration basin.

Permanent Erosion Control:

1. All disturbed areas shall be restored as noted below:
 - A minimum of 4" of topsoil shall be placed in all drainage channels (except rock) and between the curb and R.O.W. property lines.
2. Broadcast Seeding:
 - From September 15 to March 1, seeding shall be with a combination of 2 pounds per 1,000 SF of unhulled Bermuda and 7 pounds per 1000 SF of Winter Rye with a purity of 95% with 90% germination.
 - From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 2 pounds per 1000 SF with a purity of 95% with 85% germination.
3. 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 pound per 1,000 SF.

Seeding:

- 1) The seeding for permanent erosion control shall be applied over areas disturbed by construction as follows:
 - a) From September 15 to March 1, seeding shall be with a combination of 2 pounds per 1,000 square feet of unhulled Bermuda and 7 pounds per 1,000 square feet of Winter rye with a purity of 95% with 90% germination.
 - b) From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 3 pounds per 1,000 square feet with a purity of 95% with 85% germination.
- 2) Fertilizer shall be slow release granular or pelleted type and shall have an analysis of 15-15-15 and shall be applied at the rate of 23 pounds per acre, once at the time of planting and again once during the time of establishment.
- 3) The planted area shall be irrigated or sprinkled in a manner that will not erode the topsoil but will sufficiently soak the soil to a depth of six inches. The irrigation shall

occur at ten-day intervals during the first two months. Rainfall occurrences of an inch or more shall postpone the watering schedule for one week.

- 4) Mulch type used shall be Prairie hay, applied at a rate of 4,000 pounds per acre.
- 5) Restoration shall be acceptable when the grass has grown at least one inch high with 70% coverage, provided no bare spots larger than 18 square feet exist.



VII.

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)(li), (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: Travis Flake, Flake Engineering

Date: 10-11-23

Signature of Customer/Agent

A handwritten signature in black ink, appearing to read 'Travis Flake', is written over a horizontal line.

Regulated Entity Name: Driftwood Diesel

Permanent Best Management Practices (BMPs)

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

1. ☒ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
☐ N/A
2. ☒ These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
☒ 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 multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

☐ **Attachment A - 20% or Less Impervious Cover Waiver.** The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.

☒ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.

☐ The site will not be used for multi-family residential developments, schools, or small business sites.

6. ☒ **Attachment B - BMPs for Upgradient Stormwater.**

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

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

Responsibility for Maintenance of Permanent BMP(s)

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

14. ☒ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
- ☐ N/A
15. ☒ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.
- ☐ N/A

**PERMANENT STORMWATER SECTION
ATTACHMENT A**

20% OR LESS IMPERVIOUS COVER WAIVER

This project is not a small business with less than 20% impervious cover and is not requesting this waiver.

**PERMANENT STORMWATER SECTION
ATTACHMENT B**

BMPS FOR UPGRADIENT STORMWATER

Permanent BMPs are not required to prevention pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site as the properties upgradient of the site consist of only one low density single family house immediately north of the site.

PERMANENT STORMWATER SECTION ATTACHMENT C

BMPS FOR ON-SITE STORMWATER

One permanent BMP, a grassy swale, exists on-site to prevent pollution of surface water, groundwater, or storm water that originates onsite or flows off the site. Calculations and details from the construction of this BMP can be found in the attached construction plans.

An additional measure is proposed with the inclusion of permeable pavers, TrueGrid. This includes the required impermeable liner and underdrain system. 89% TSS removal was utilized for this section. As the site in total without the permeable pavers is treated to the required level with the grassy swale; the 89% for the permeable paving keeps the site in compliance.

**PERMANENT STORMWATER SECTION
ATTACHMENT D**

BMPS FOR SURFACE STREAMS

No surface streams exist in the project vicinity.

**PERMANENT STORMWATER SECTION
ATTACHMENT E**

REQUEST TO SEAL FEATURES

This section is Not Applicable (N/A) for this project.

**PERMANENT STORMWATER SECTION
ATTACHMENT F**

CONSTRUCTIONS PLANS

The set of construction plans are attached including the design of the permanent BMP from the previous plans for reference.

DRIFTWOOD DIESEL BUDA EXPANSION
SITE DEVELOPMENT PLAN

1185 FM 1626, BUDA, HAYS COUNTY
MARCH 2023

PROJECT #033-001

Table with 2 columns: Sheet Number, Sheet Title. Rows include COVER, FINAL PLAT, GENERAL NOTES, EXISTING CONDITIONS & DEMOLITION PLAN, EROSION & SEDIMENTATION CONTROL & TREE PROTECTION PLAN, SITE PLAN, GRADING, DRAINAGE, & WATER QUALITY PLAN, EXISTING DRAINAGE AREA MAP, PROPOSED DRAINAGE AREA MAP, REFERENCE WATER QUALITY PLAN, REFERENCE DETENTION POND DETAILS, REFERENCE DETENTION POND PLAN, REFERENCE UTILITY PLAN, DETAILS.

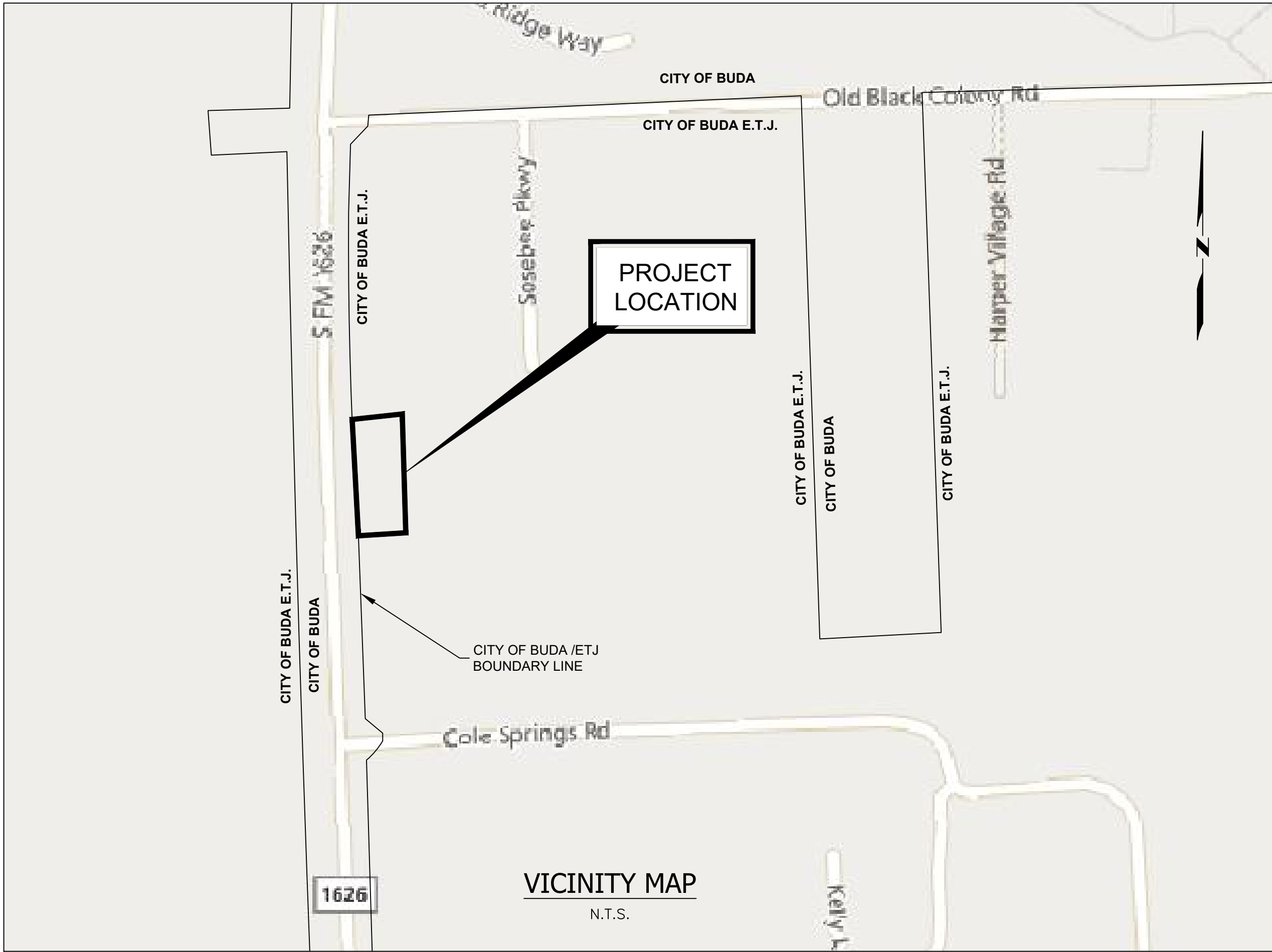
PROJECT DESCRIPTION:

THE PROJECT PROPOSES TO REMOVE TWO EXISTING STRUCTURES AND ADD AN ADDITIONAL METAL BUILDING TO THE EXISTING SITE.

GENERAL NOTES:

- 1. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAS BEEN BASED UPON RECORD INFORMATION ONLY AND MAY NOT MATCH LOCATIONS AS CONSTRUCTED. THE CONTRACTOR SHALL CONTACT THE TEXAS AREA "ONE CALL" SYSTEM @ 811 OR 1-800-545-6005, OR THE OWNER OF EACH INDIVIDUAL UTILITY, FOR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF UTILITY CROSSING PRIOR TO BEGINNING CONSTRUCTION.
- 2. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. (OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA.
- 3. CONTRACTOR SHALL RESTORE ALL SIGNS AND PAVEMENT MARKINGS TO EXISTING CONDITIONS FOLLOWING THE COMPLETION OF EACH PHASE OF CONSTRUCTION. CONTRACTORS SHALL REFER TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) FOR SIGN AND MARKING DIMENSIONS AND COLORS.
- 4. ALL CONSTRUCTION HEREIN SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF BUDA STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED. NO SEPARATE SPECIFICATIONS WILL BE PROVIDED.
- 5. CONTRACTOR IS FULLY RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES, PRIVATE AND PUBLIC, WITHIN WORK AREA. NEITHER OWNER NOR ENGINEER HAS AS-BUILT INFORMATION FOR UNDERGROUND UTILITIES AND MAKES NO GUARANTEE AS TO THEIR LOCATION. CONTRACTOR WILL EMPLOY CONSTRUCTION METHODS NECESSARY TO ENSURE UNDERGROUND UTILITIES ARE NOT DAMAGED (IE. HAND DIGGING ETC.)

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES, PRIVATE OR PUBLIC, AND SHALL REPAIR ANY UTILITIES DAMAGED TO THE OWNER'S SPECIFICATIONS AT NO COST TO THE OWNER.



CIVIL ENGINEER INFORMATION
TRAVIS FLAKE, PE (FLAKE ENGINEERING, PLLC)
201 GROVE LANE
BUDA, TX 78610
PHONE: (512) 468-6248
EMAIL: TRAVIS@FLAKEENGINEERING.COM

OWNER/DEVELOPER INFORMATION
DRIFTWOOD DIESEL, LLC
CHRIS RICKMAN
1185 FM 1626
BUDA, TX 78610

UTILITY PROVIDERS
ELECTRIC - PEDERNALES ELECTRIC COOPERATIVE
WATER - PRIVATE WELL
WASTEWATER - PRIVATE ON SITE SEPTIC

ZONING CATEGORY
N/A, ETJ

EDWARDS AQUIFER
THIS TRACT IS LOCATED WITHIN THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) EDWARDS AQUIFER RECHARGE ZONE.

FLOODPLAIN STATUS
NO PORTION OF THIS TRACT IS WITHIN THE 100 YEAR FLOODPLAIN PER THE FEDERAL FLOOD INSURANCE ADMINISTRATION FIRM MAP NO. 48209C0280F FOR HAYS COUNTY-TEXAS, DATED SEPTEMBER 2, 2005.

LEGAL DESCRIPTION
LOT 1, DRIFTWOOD DIESEL SUBDIVISION, AS RECORDED IN DOC. 17044256 IN THE OFFICIAL PUBLIC RECORDS OF HAYS COUNTY, TEXAS.

CORRECTION / REVISION

Table with 9 columns: NO., DESCRIPTION, REVISE (R) ADD (A) VOID (V) SHEET NO.'S, TOTAL SHEETS IN PLAN SET, NET CHANGE IMP. COVER, SITE IMP. COVER, % SITE IMP. COVER, APPROVED DATE, IMAGED DATE.

SUBMITTED BY: TRAVIS FLAKE, PE

APPROVED BY:

FIRE MARSHAL, BUDA FIRE DEPARTMENT DATE

APPROVED BY:

CITY ENGINEER, CITY OF BUDA DATE

SITE PLAN APPROVAL SHEET 01 OF 13
FILE NUMBER 2023-228 APPLICATION DATE 3/13/23
APPROVED BY COMMISSION ON N/A UNDER THE CITY OF BUDA
UNIFIED DEVELOPMENT CODE.
EXPIRATION DATE CASE MANAGER T. FROST

CITY ENGINEER, CITY OF BUDA
RELEASED FOR GENERAL COMPLIANCE: ZONING N/A
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3

Final plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.



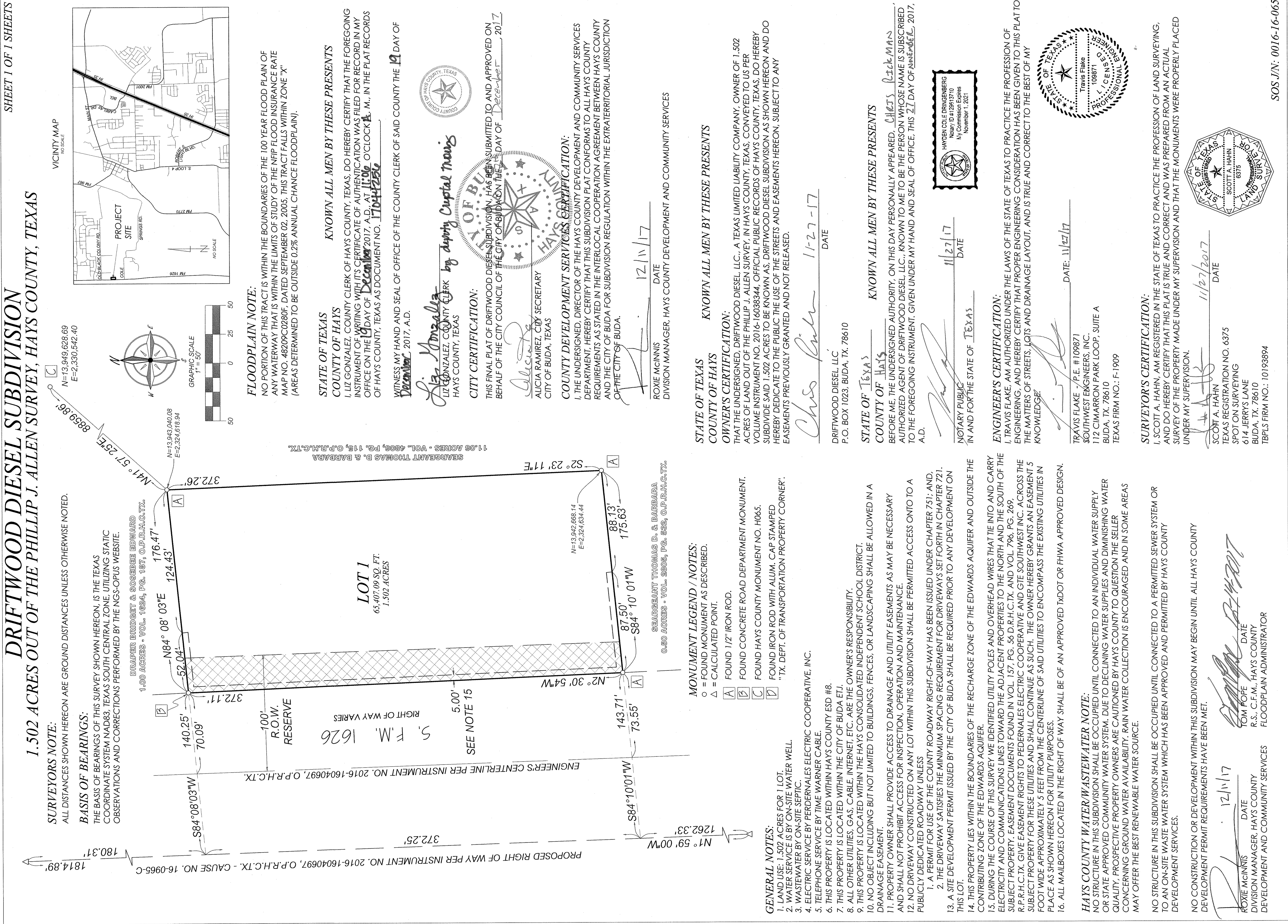
COVER
DRIFTWOOD DIESEL BUDA EXPANSION
1185 FM 1626 DR, BUDA, TEXAS



PRO. NO. 033-001

SHEET 01 OF 14

Instrument # 1704256 Number: 1 of 1 Filed and Recorded: 12/19/2017 11:06 AM
Liz Q. Gonzalez, Hays County Clerk, Texas Rec \$71.00 Deputy Clerk: CMORRIS
Instrument # 1704256 Number: 1 of 1 Filed and Recorded: 12/19/2017 11:06 AM
Liz Q. Gonzalez, Hays County Clerk, Texas Rec \$71.00 Deputy Clerk: CMORRIS



SITE PLAN APPROVAL		SHEET 02 OF 13	
FILE NUMBER	2023-228	APPLICATION DATE	3/13/23
APPROVED BY COMMISSION ON <u>N/A</u>		UNDER THE CITY OF BUDA	
UNIFIED DEVELOPMENT CODE:			
EXPIRATION DATE		CASE MANAGER	T. FROST
CITY ENGINEER, CITY OF BUDA			
RELEASED FOR GENERAL COMPLIANCE: _____ ZONING <u>N/A</u>			
Rev. 1		Correction 1	
Rev. 2		Correction 2	
Rev. 3		Correction 3	
Final plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.			

DRIFTWOOD DIESEL BUDA EXPANSION
1185 FM 1626 DR, BUDA, TEXAS

FINAL PLAT



TRAVIS@FLAKEENGINEERING.COM
201 GROVE LANE, BUDA, TX 78602 | 488-6248

NO.	REVISION	DATE

D:\Projects\0313 Driftwood Diesel\001_Buda Expansion\CAD\Sheets\0313-001_NOTES.dwg ~ Mon, Dec 11, 2023, 3:32pm, By: TravisFlake

CITY OF BUDA GENERAL CONSTRUCTION NOTES:

1. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF BUDA MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
2. THESE PLANS, PREPARED BY THE CITY OF BUDA DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE REGISTERED ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOR OR HEREAFTER BE INCORPORATED INTO THESE PLANS.
3. CONTRACTOR SHALL CONTACT THE CITY OF BUDA'S ENGINEER (512-312-0084) A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF BLOCKING TRAFFIC LANES AND A MINIMUM OF SIX WORKING DAYS IN ADVANCE OF SCHEDULED DETOURING OF TRAFFIC LANES.
4. CONTRACTOR TO GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR TO ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK. REQUIRED PERMITS THAT CAN BE ISSUED TO CONTRACTOR TO BE OBTAINED AT HIS EXPENSE.
5. CONTRACTOR TO COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
6. CONTRACTOR TO LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS, AND PROJECT ENGINEERING REFERENCE POINT. REESTABLISH DISTURBED OR DESTROYED ITEMS BY REGISTERED PUBLIC LAND SURVEYOR IN THE STATE OF TEXAS, AT NO ADDITIONAL COST TO OWNER.
7. CONTRACTOR TO CONTROL DUST CAUSED BY THE WORK AND COMPLY WITH POLLUTION CONTROL REGULATIONS OF GOVERNING AUTHORITIES. DUST CONTROL SHALL BE ACHIEVED BY THE APPLICATION OF WATER BY AN APPROVED SPRINKLER IN AMOUNTS SUFFICIENT TO CONTROL THE DUST TO THE SATISFACTION OF THE ENGINEER (NO SEPARATE PAY).
8. BURNING IS NOT ALLOWED ON THIS PROJECT.
9. DEMOLITION PERMITS (IF NEEDED) ARE TO BE OBTAINED BY THE CONTRACTOR.
10. ACQUISITION OF RIGHT OF WAY AND/OR EASEMENT IS THE RESPONSIBILITY OF THE CITY OF BUDA.
11. THE CONTRACTOR IS TO OBTAIN PERMIT PRIOR TO PERFORMING ANY WORK IN THE PUBLIC RIGHT-OF-WAY.
12. CONTRACTOR SHALL REPAIR ALL STREET CROSSINGS, DRIVEWAYS AND DITCHES TO THEIR ORIGINAL CONDITION OR BETTER. STREET CROSSINGS SHALL BE REPAIRED WITHIN 10 WORKING DAYS AFTER CROSSING IS MADE, UNLESS PRIOR APPROVAL IS OBTAINED TO THE CONTRARY.
13. ALL DAMAGE CAUSED DIRECTLY OR INDIRECTLY TO THE STREET SURFACE OR SUBSURFACE OUTSIDE OF THE PAVEMENT CUT AREA SHALL BE REGARDED AS PART OF THE STREET CUT REPAIR. THIS INCLUDES ANY SCRAPES, GOUGES, CUTS, CRACKING, DEPRESSIONS AND/OR ANY OTHER DAMAGE CAUSED BY THE CONTRACTOR DURING THE EXECUTION OF THE WORK. THESE AREAS WILL BE INCLUDED IN THE TOTAL AREA OF REPAIR. THE AREAS OF REPAIR SHALL BE SAW CUT IN STRAIGHT, NEAT LINES PARALLEL TO THE UTILITY TRENCH. ALL REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL MEET ALL CITY TESTING REQUIREMENTS AND SPECIFICATIONS.
14. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATION OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. (OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENTS PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 EAST 6TH STREET, ASUTIN, TX.)
15. ALL SITE WORK MUST ALSO COMPLY WITH ENVIRONMENTAL REQUIREMENTS.
16. THROUGHOUT THE CONSTRUCTION, AND AT THE COMPLETION OF THE CONSTRUCTION, THE CONTRACTOR IS TO ENSURE THAT DRAINAGE OF STORM WATER RUNOFF IS NOT BLOCKED.
17. ALL EXCESS EXCAVATED MATERIAL AND SOIL IS TO BECOME PROPERTY OF CONTRACTOR AND TO BE REMOVED FROM SITE. (NO SEPARATE PAY.)
18. ALL CULVERTS REMOVED FROM CONSTRUCTION SHALL BE REPLACED TO ORIGINAL GRADE; ROAD DITCH SHALL BE GRADED TO PROVIDE FOR AN EVEN GRADE AND SECTION BETWEEN EXISTING CULVERTS. ALL CULVERTS SHALL BE CLEAN AND FREE OF DEBRIS DURING AND AFTER CONSTRUCTION.
19. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE CITY OF BUDA AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS AND TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO PRIVATE PROPERTY, WHICH OCCURRED AS A RESULT OF ANY PORTION OF THIS PROJECT. ANY DAMAGE TO PRIVATE PROPERTY SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION. THE CONTRACTOR SHALL COORDINATE ALL REPAIRS TO PRIVATE PROPERTY WITH THE PROPERTY OWNER. CONTRACTOR SHALL PAY AND/OR SETTLE WITH PRIVATE PROPERTY OWNER FOR ALL COSTS RELATED TO ANY DAMAGE. THE CITY OF BUDA WILL NOT PROVIDE SEPARATE PAY FOR REPAIR OF ANY DAMAGES, REIMBURSEMENTS OR SETTLEMENTS.

GRADING AND DRAINAGE NOTES

1. ALL TESTING SHALL BE DONE BY AN INDEPENDENT LABORATORY. ANY RETESTING SHALL BE PAID FOR BY THE CONTRACTOR.
2. BACKFILL BEHIND THE CURB SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY TO WITHIN 4" OF TOP OF CURB. MATERIAL USED SHALL HAVE NO ROCKS LARGER THAN 4" IN THE GREATEST DIMENSION. THE REMAINING 4" SHALL BE SUITABLE TO CLEAN TOPSOIL FREE FROM ALL CLOUDS, ROCK AND ROOTS NO LARGER THAN 1/2" AND SUITABLE TO SUSTAINING PLANT LIFE.

TRENCH SAFETY NOTES

1. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, ALL TRENCHES OVER 5 FEET IN DEPTH IN EITHER HARD AND COMPACT OR SOFT AND UNSTABLE SOIL SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED.
2. IN ACCORDANCE WITH U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, WHEN PERSONS ARE IN TRENCHES 4 FEET DEEP OR MORE, ADEQUATE MEANS OF EXIT, SUCH AS LADDER OR STEPS, MUST BE PROVIDED AND LOCATED SO AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.

SEQUENCE OF CONSTRUCTION

1. TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN OR SUBDIVISION CONSTRUCTION PLAN AND IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ES&C) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION, INITIATE TREE MITIGATION MEASURES AND CONDUCT "PRE - CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE).
2. THE ENVIRONMENTAL PROJECT MANAGER, AND/OR SITE SUPERVISOR, AND/OR DESIGNATED RESPONSIBLE PARTY, AND THE GENERAL CONTRACTOR WILL FOLLOW THE EROSION SEDIMENTATION CONTROL PLAN (ES&C) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE REVISED, IF NEEDED, TO COMPLY WITH CITY INSPECTOR'S DIRECTIVES, AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER QUALITY PLAN REQUIREMENTS AND THE EROSION PLAN.
3. ROUGH GRADE THE POND(S) AT 100% PROPOSED CAPACITY. EITHER THE PERMANENT OUTLET STRUCTURE OR A TEMPORARY OUTLET MUST BE CONSTRUCTED PRIOR TO DEVELOPMENT OF EMBANKMENT OR EXCAVATION THAT LEADS TO PONDING CONDITIONS. THE OUTLET SYSTEM MUST CONSIST OF A SUMP PIT OUTLET AND AN EMERGENCY SPILLWAY MEETING THE REQUIREMENTS OF THE DRAINAGE CRITERIA MANUAL AND/OR THE ENVIRONMENTAL CRITERIA MANUAL, AS REQUIRED. THE OUTLET SYSTEM SHALL BE PROTECTED FROM EROSION AND SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION UNTIL INSTALLATION OF THE PERMANENT WATER QUALITY POND(S).
4. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ES&C) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.
5. BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
6. PERMANENT WATER QUALITY PONDS OR CONTROLS WILL BE CLEANED OUT AND FILTER MEDIA WILL BE INSTALLED PRIOR TO CONCURRENTLY WITH REVEGETATION OF SITE.
7. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.
8. UPON COMPLETION OF THE SITE CONSTRUCTION AND REVEGETATION OF A PROJECT SITE, THE DESIGN ENGINEER SHALL SUBMIT AN ENGINEER'S LETTER OF CONCURRENCE BEARING THE ENGINEER'S SEAL, SIGNATURE, AND DATE TO THE DEVELOPMENT SERVICES DEPARTMENT INDICATING THAT CONSTRUCTION, INCLUDING REVEGETATION, IS COMPLETE AND IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE APPROPRIATE CITY INSPECTOR.
9. UPON COMPLETION OF LANDSCAPE INSTALLATION OF A PROJECT SITE, THE LANDSCAPE ARCHITECT SHALL SUBMIT A LETTER OF CONCURRENCE TO THE DEVELOPMENT SERVICES DEPARTMENT INDICATING THAT THE REQUIRED LANDSCAPING IS COMPLETE AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE APPROPRIATE CITY INSPECTOR.
10. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE CITY INSPECTOR, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND COMPLETE ANY NECESSARY FINAL REVEGETATION RESULTING FROM REMOVAL OF THE CONTROLS. CONDUCT ANY MAINTENANCE AND REHABILITATION OF THE WATER QUALITY PONDS OR CONTROLS.

CITY OF BUDA EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN'S ENVIRONMENTAL CRITERIA MANUAL AS ADOPTED BY THE CITY OF BUDA.
3. TREES DO NOT EXIST WITHIN THE PROJECT LIMITS, AND TREE PROTECTION WILL NOT BE REQUIRED.
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE CONTRACTOR SHALL NOTIFY THE CITY OF BUDA ENGINEERING DEPARTMENT, 312-0084, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE.
5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE PLAN MAY BE REQUIRED BY THE INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
6. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR THE MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHED SIX (6) INCHES.

PERMANENT EROSION CONTROL:

ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE PLACED IN ALL DRAINAGE CHANNELS (EXCEPT ROCK) AND BETWEEN THE CURB AND RIGHT-OF-WAY LINE.

THE SEEDING FOR PERMANENT EROSION CONTROL SHALL BE AS SPECIFIED IN THE CITY OF AUSTIN STANDARD SPECIFICATION 6045, AS ADOPTED BY THE CITY OF BUDA.

DUST CONTROL:

DUST CONTROL METHODS ARE REQUIRED AS PER CITY OF AUSTIN'S ENVIRONMENTAL CRITERIA MANUAL SECTION 1.4.5.D AS ADOPTED BY THE CITY OF BUDA.

TRAFFIC CONTROL AND MARKING NOTES:

1. ANY METHODS, STREET MARKINGS AND SIGNAGE NECESSARY FOR WARNING MOTORISTS, WARNING PEDESTRIANS OR DIVERTING TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION.
2. ALL PAVEMENT MARKINGS, MARKERS, PAINT, TRAFFIC BUTTONS, TRAFFIC CONTROLS AND SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES AND, THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
3. FURNISH AND INSTALL PAVEMENT MARKINGS OF THE TYPE AND SIZE SHOWN ON THE PLANS AND AS REQUIRED FOR COMPLIANCE WITH GOVERNING CODES. IF NO GOVERNING CODES APPLY, THEN USE TXDOT STANDARDS.
- EXECUTION:
- A. CONTRACTOR SHALL CLEAN PAVEMENT OF GREASE, DIRT, OIL, SAND, GRAVEL, AND OTHER FOREIGN MATERIALS PRIOR TO APPLYING MARKINGS AS RECOMMENDED BY PAINT MANUFACTUR. PAVEMENT SHALL BE DRY BEFORE ANY APPLICATIONS.
- B. PAVEMENT MARKINGS SHALL BE APPLIED BY MACHINE AT A RATE OF ONE (1) GALLON/100 SF.
- C. PAVEMENT MARKINGS SHALL NOT BE APPLIED DURING PERIODS OF EXCESS HUMIDITY, RAIN, OR PAVEMENT TEMPERATURES BELOW 50° F.
- D. MINIMUM LINE WIDTH IS FOUR (4) INCHES. PAVEMENT MARKINGS MUST COMPLY WITH LOCAL FIRE STANDARDS AND CURRENT ACCESSIBILITY CODE.
- E. A MINIMUM OF TWO COATS SHALL BE REQUIRED. ALSO, REPAINT ANY EXISTING STRIPES DISTURBED OR ALTERED.
- F. CLOSE AREAS TO TRAFFIC FOR DURATION OF DRYING TIME, WHICH SHALL BE NO LESS THAN THE MINIMUM RECOMMENDED BY THE PAINT MANUFACTURER.
- G. TRAFFIC PAINT SHALL BE SHERWIN WILLIAMS PRO-MAR TRAFFIC PAINT OR APPROVED EQUAL COLOR AS SPECIFIED ON PLANS. WHITE ASPHALT PAVEMENT AND YELLOW ON CONCRETE PAVEMENT. USE REFLECTIVE PAINT ON DRIVEWAYS AND CROSSWALKS AND WHERE REQUIRED BY CITY OF BUDA.

GENERAL PROVISION FOR FIRE SAFETY:

1. THE BUDA FIRE DEPARTMENT REQUIRES ASPHALT OR CONCRETE PAVEMENT PRIOR TO CONSTRUCTION AS AN "ALL-WEATHER DRIVING SURFACE".
2. HYDRANTS MUST BE INSTALLED WITH THE CENTER OF THE FOUR-INCH OPENING AT LEAST 18 INCHES ABOVE FINISHED GRADE. THE FOUR-INCH OPENING MUST FACE THE DRIVEWAY OR STREET WITH THREE- TO SIX-FOOT SETBACKS FROM THE CURB LINE(S). NO OBSTRUCTION IS ALLOWED WITHIN THREE FEET OF ANY HYDRANT AND THE FOUR-INCH OPENING MUST BE TOTALLY UNOBSTRUCTED FROM THE STREET.
3. TIMING OF INSTALLATION: WHEN FIRE PROTECTION FACILITIES ARE INSTALLED BY THE DEVELOPER, SUCH FACILITIES SHALL INCLUDE ALL SURFACE ACCESS ROADS WHICH SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION, WHERE ALTERNATIVE METHODS OF PROTECTION, AS APPROVED BY THE FIRE CHIEF, ARE PROVIDED, THE ABOVE MAY BE MODIFIED OR WAIVED.
4. ALL PVIOUS/DECORATIVE PAVING SHALL BE ENGINEERED AND INSTALLED FOR 75,000 LB. LIVE-VEHICLE LOADS. ANY PVIOUS/DECORATIVE PAVING WITHIN 100 FEET OF ANY BUILDING MUST BE APPROVED BY THE FIRE DEPARTMENT.
5. COMMERCIAL DUMPSTERS AND CONTAINERS WITH AN INDIVIDUAL CAPACITY OF 1.5 CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN TEN FEET OF OPENINGS, COMBUSTIBLE WALLS, OR COMBUSTIBLE EAVE LINES.
6. FIRE LANES DESIGNATED ON SITE PLAN SHALL BE REGISTERED WITH CITY OF BUDA FIRE MARSHAL'S OFFICE AND INSPECTED FOR FINAL APPROVAL.
7. VERTICAL CLEARANCE REQUIRED FOR FIRE APPARATUS IS 14 FEET, 0 INCHES FOR FULL WIDTH OF ACCESS DRIVE.

SITE PLAN APPROVAL

SHEET 03 OF 13

FILE NUMBER 2023-228

APPROVED BY COMMISSION ON N/A UNDER THE CITY OF BUDA

UNIFIED DEVELOPMENT CODE.

EXPIRATION DATE CASE MANAGER T. FROST

CITY ENGINEER, CITY OF BUDA

RELEASED FOR

GENERAL COMPLIANCE: ZONING N/A

Rev. 1 Correction 1

Rev. 2 Correction 2

Rev. 3 Correction 3

Final plat must be recorded by the Project Expiration Date, if applicable.

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GENERAL NOTES

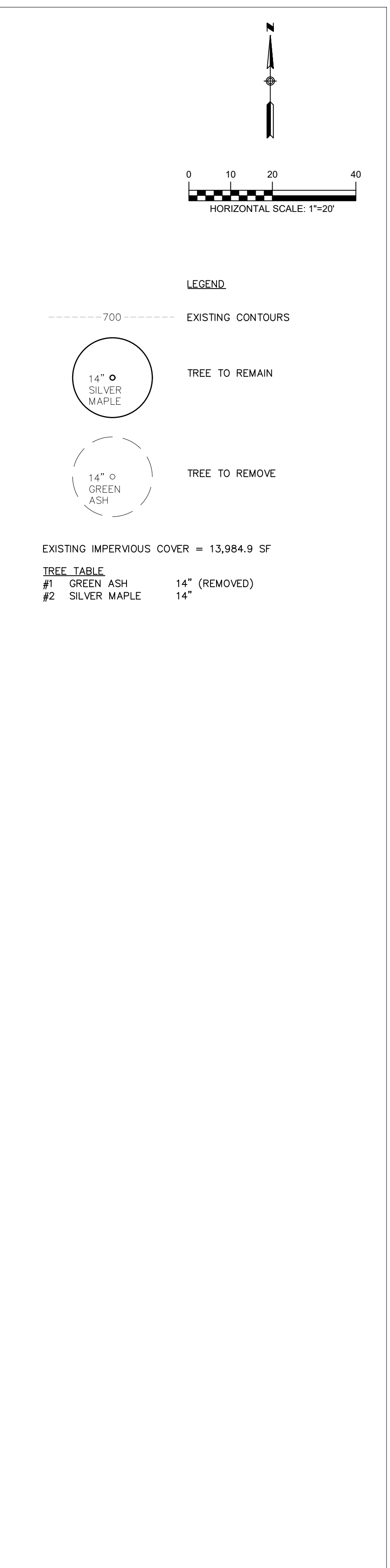
DRIFTWOOD DIESEL BUDA EXPANSION



1185 FM 1626 DR, BUDA, TEXAS

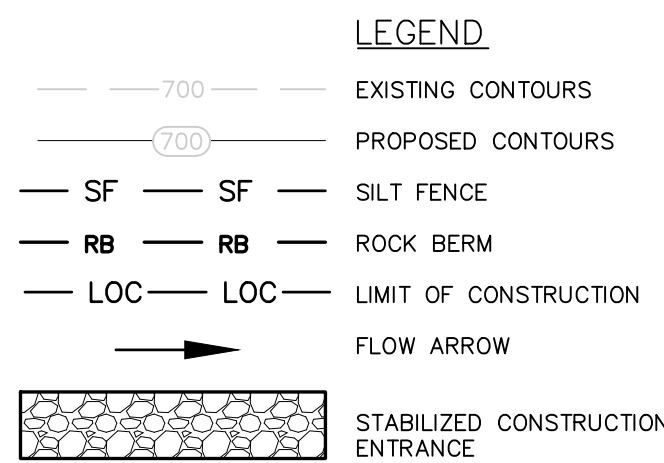


PRO. NO. 033-001

SHEET 03 OF 14



<div><p>12/11/23</p></div> <div>PRO. NO. 033-001</div> <div>SHEET 04 OF 14</div>		EXISTING CONDITIONS & DEMOLITION PLAN		<div>DRIFTWOOD DIESEL BUDA EXPANSION</div> <div>1185 FM 1626 DR, BUDA, TEXAS</div>		<div> TRAVIS FLAKE TRANSPORTATION ENGINEERING, INC. 201 GROVE LANE, BUDA, TX 78602, 468-4248</div>		NO.	REVISION	DATE



Tree Mitigation Table			
Trees Removed:	Pro.	Sig.	Her.
Total Number of Trees:	1	0	0
Caliper Inches:	14	0	0
Mitigation Required:	14	0	0
Mitigation Trees:			
Proposed 3" Trees:	5		
Caliper Inches:	15		

PROPOSED TREE TABLE			
SPECIES	SIZE	QTY	TOTAL INCHES
PROPOSED LIVE OAK (QUERCUS VIRGIANA, 6' HEIGHT)	3" CAL	5	20

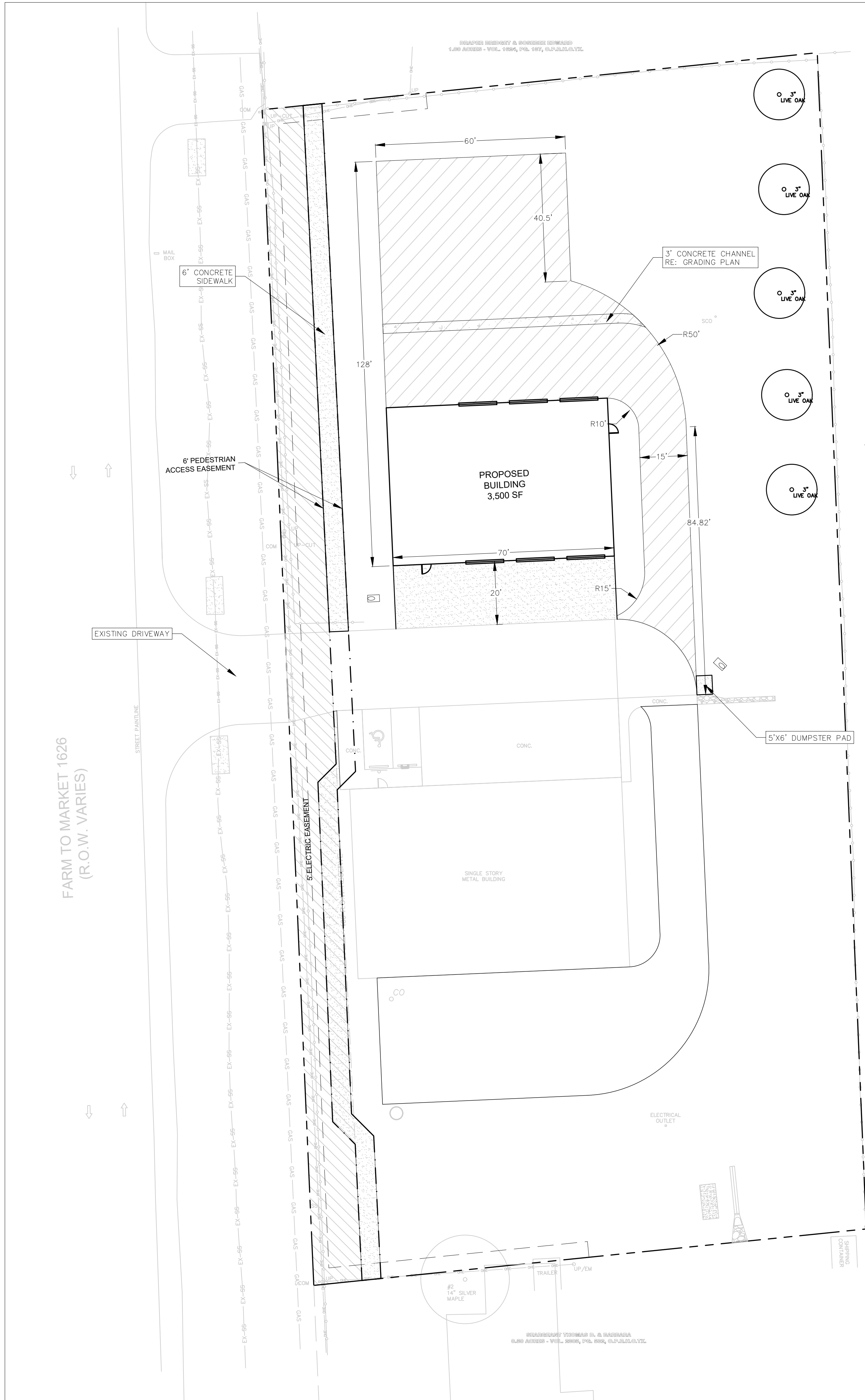
DRIFTWOOD DIESEL BUDA EXPANSION

1185 FM 1626 DR, BUDA, TEXAS



TRAVIS@FLAKEENGINEERING.COM
468-6248

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IMPERVIOUS COVER SUMMARY		
EXISTING TO REMAIN	9,779 SF	15%
EXISTING TO BE REMOVED	4,206 SF	6%
PROPOSED BUILDING	3,500 SF	5%
PROPOSED DRIVES & PARKING	1,431 SF	2%
PERVIOUS PAVEMENT @ 0%	6,784 SF	0%
TOTAL PROPOSED	4,931 SF	8%
TOTAL	14,710 SF	22.5%

*Site is permitted 22.7% impervious cover (IC) by Impervious Cover Waiver ###

SITE TABLE					
	Lot Area (sf)	Lot Area (ac.)	Zoning	Existing Bldg Area (sf.)	Proposed Bldg Area (sf.)
Automotive Repair	65,303	1.499	ETJ	5,160	3,500
					8,660

SITE PLAN APPROVAL SHEET 06 OF 13
FILE NUMBER 2023-228 APPLICATION DATE 3/13/23
APPROVED BY COMMISSION ON N/A UNDER THE CITY OF BUDA
UNIFIED DEVELOPMENT CODE.
EXPIRATION DATE CASE MANAGER T. FROST

CITY ENGINEER, CITY OF BUDA
RELEASED FOR GENERAL COMPLIANCE: ZONING N/A
Rev. 1 Correction 1
Rev. 2 Correction 2
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DATE

REVISION

NO.

FLAKE ENGINEERING

TRAVIS@FLAKEENGINEERING.COM

201 GROVE LANE, BUDA, TX 78602 | 408-6248

SITE PLAN

DRIFTWOOD DIESEL BUDA EXPANSION

1185 FM 1626 DR, BUDA, TEXAS

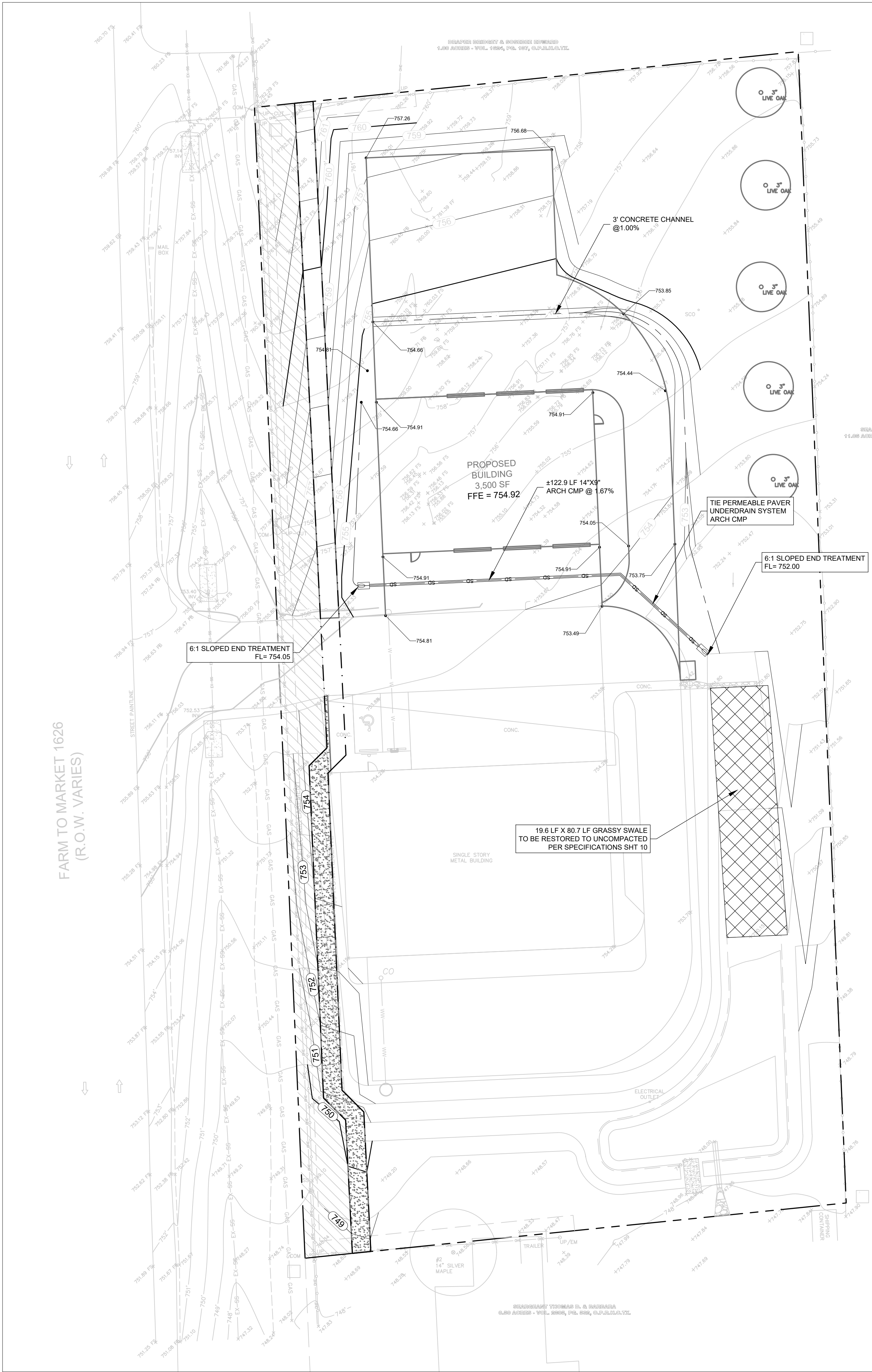
PRO. NO. 033-001

SHEET 06 OF 14

12/11/23

2023-228

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1. The Required Load Reduction for the total project: Calculations from RG-348

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$	
where:	L_M TOTAL PROJECT = Required TSS removal result
	A_N = Net increase in impervious area
	P = Average annual precipitation
Site Data: Determine Required Load Removal Based on the Entire Project	
County =	Hays
Total project area included in plan =	1.50 acres
Predevelopment impervious area within the limits of the plan =	0.12 acres
Total post-development impervious area within the limits of the plan =	0.34 acres
Total post-development impervious cover fraction =	0.23
P =	33 inches
L_M TOTAL PROJECT =	253 lbs.
* The values entered in these fields should be for the total project area.	
Number of drainage basins / outfalls areas leaving the plan area =	1

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

Drainage Basin/Outfall Area No. =	1
Total drainage basin/outfall area =	1.50 acres
Predevelopment impervious area within drainage basin/outfall area =	0.12 acres
Post-development impervious area within drainage basin/outfall area =	0.34 acres
Post-development impervious fraction within drainage basin/outfall area =	0.23
L_M THIS BASIN =	253 lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP =	Grassy Swale
Removal efficiency =	70 percent

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

RG-348 Page 3-33 Equation 3.7: $L_R = (BMP \text{ efficiency}) \times P \times (A_i \times A_C)$	
where:	A_C = Total On-Site drainage area
	A_i = Impervious area proposed in plan
	A_P = Pervious area remaining in plan
	L_R = TSS Load removed from this basin
A_C =	1.50 acres
A_i =	0.34 acres
A_P =	1.16 acres
L_R =	286 lbs.

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

Desired L_M THIS BASIN =	253 lbs.
F =	0.88

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

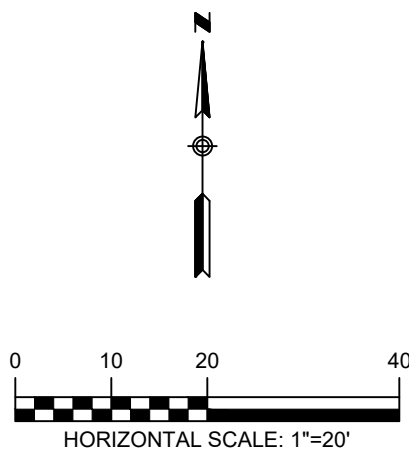
Rainfall Depth =	1.50 inches
Post Development Runoff Coefficient =	0.22
On-site Water Quality Volume =	1778 cubic feet
Calculations from RG-348	
Off-site area draining to BMP =	0.00 acres
Off-site impervious cover draining to BMP =	0.00 acres
Impervious fraction of off-site area =	0
Off-site Runoff Coefficient =	0.00
Off-site Water Quality Volume =	0 cubic feet
Storage for Sediment =	356 cubic feet
Total Capture Volume (required water quality volume(s) x 1.20) =	2133 cubic feet

15. Grassy Swales Designed as Required in RG-348 Pages 3-51 to 3-54

Design parameters for the swale:	
Drainage Area to be Treated by the Swale = A =	1.50 acres
Impervious Cover in Drainage Area =	0.34 acres
Rainfall intensity = i =	1.1 in/hr
Swale Slope = S =	0.02 ft/ft
Side Slope (z) =	3
Design Water Depth = y =	0.13 ft
Weighted Runoff Coefficient = C =	0.42
A_{CS} = cross-sectional area of flow in Swale =	2.59 sf
P_W = Wetted Perimeter =	20.38 feet
R_H = hydraulic radius of flow cross-section = A_{CS}/P_W =	0.13 feet
n = Manning's roughness coefficient =	0.2

15A. Using the Method Described in the RG-348

Manning's Equation: $Q = \frac{1.49 A_{CS} R_H^{2/3} S^{0.5}}{n}$	
$b = \frac{0.134 \times Q}{y^{1.67} S^{0.5}} - zy$	19.56 feet
$Q = CIA$	0.70 cfs
To calculate the flow velocity in the swale:	
V (Velocity of Flow in the swale) = Q/A_{CS}	0.27 ft/sec
To calculate the resulting swale length:	
L = Minimum Swale Length = V (ft/sec) * 300 (sec)	80.70 feet



LEGEND

700	EXISTING CONTOURS
700	PROPOSED CONTOURS
700.00' o	PROPOSED SPOT ELEVATION

ACCESSIBILITY NOTES:

- ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50. [ANSI 403.3]
- ACCESSIBLE PARKING SPACES MUST BE LOCATED ON A SURFACE WITH A SLOPE NOT EXCEEDING 1:50. [ANSI 502.5]
- SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP. [403.3]
- THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 IN. THE MAXIMUM HORIZONTAL PROJECTION IS 30 FEET FOR A RAMP WITH A SLOPE BETWEEN 1:12 AND 1:15, AND 40 FEET FOR A RAMP WITH A SLOPE BETWEEN 1:16 AND 1:20. [ANSI 405.2 - 405.6]

DETENTION NOTE:

CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY OF ALL DETENTION BASIN AND WATER QUALITY FACILITIES AT THE COMPLETION OF FINAL GRADE. SURVEY SHALL BE CONDUCTED BY A LICENSED SURVEYOR AND INCLUDE REPRESENTATIVE SURVEY POINTS WITH ELEVATIONS TAKEN AT TOP OF WALL, BOTTOM OF WALL, CENTER OF BASIN, INLETS, OUTFALLS, OVERFLOW STRUCTURES, AND SIDE SLOPES. ADDITIONAL SURVEY POINTS MAY BE REQUESTED AT THE DISCRETION OF THE CITY INSPECTOR TO ENSURE BASIN INTEGRITY.

WATER QUALITY NOTE:

IMPROVEMENTS PROPOSED ARE AN EXPANSION TO THE WATER QUALITY IMPROVEMENTS PERMITTED WITH 2017 SITE PLAN. AS SUCH, CALCULATIONS UTILIZE EXISTING CONDITIONS PRIOR TO THOSE IMPROVEMENTS AND PROVIDE 100% TSS REMOVAL FOR INCREASE FROM THAT POINT.

SITE COMPACTION NOTE:

PORTIONS OF THE SITE, INCLUDING THE GRASSY SWALE HAVE BEEN UTILIZED FOR VEHICLE PARKING. THIS SWALE, AND ANY OTHER AREA WITHIN THE LIMITS OF CONSTRUCTION, THAT ARE FOUND TO BE COMPACTED THAT ARE NOT SHOWN ON THIS PLAN AS PAVED, SHALL BE RESTORED TO AN UNCOMPACTED STATE AND REVEGETATED.

SITE PLAN APPROVAL	SHEET 07 OF 13
FILE NUMBER 2023-228	APPLICATION DATE 3/13/23
APPROVED BY COMMISSION ON N/A	UNDER THE CITY OF BUDA
UNIFIED DEVELOPMENT CODE.	
EXPIRATION DATE	CASE MANAGER T. FROST

CITY ENGINEER, CITY OF BUDA	
RELEASED FOR GENERAL COMPLIANCE:	
Rev. 1	Correction 1
Rev. 2	Correction 2
Rev. 3	Correction 3

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GRADING, DRAINAGE, & WATER QUALITY PLAN

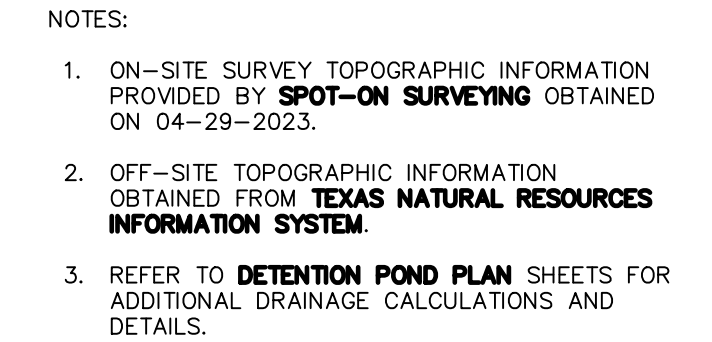
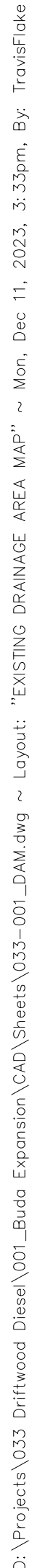
DRIFTWOOD DIESEL BUDA EXPANSION
1185 FM 1626 DR, BUDA, TEXAS



PRO. NO. 033-001

SHEET 07 OF 14

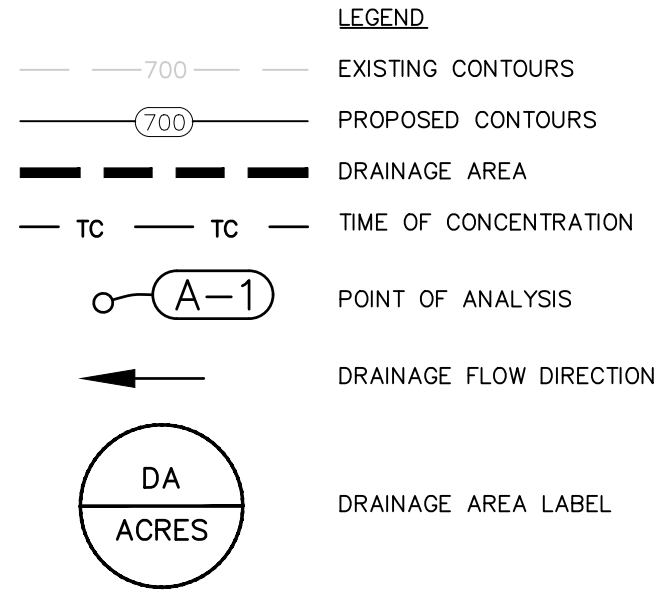
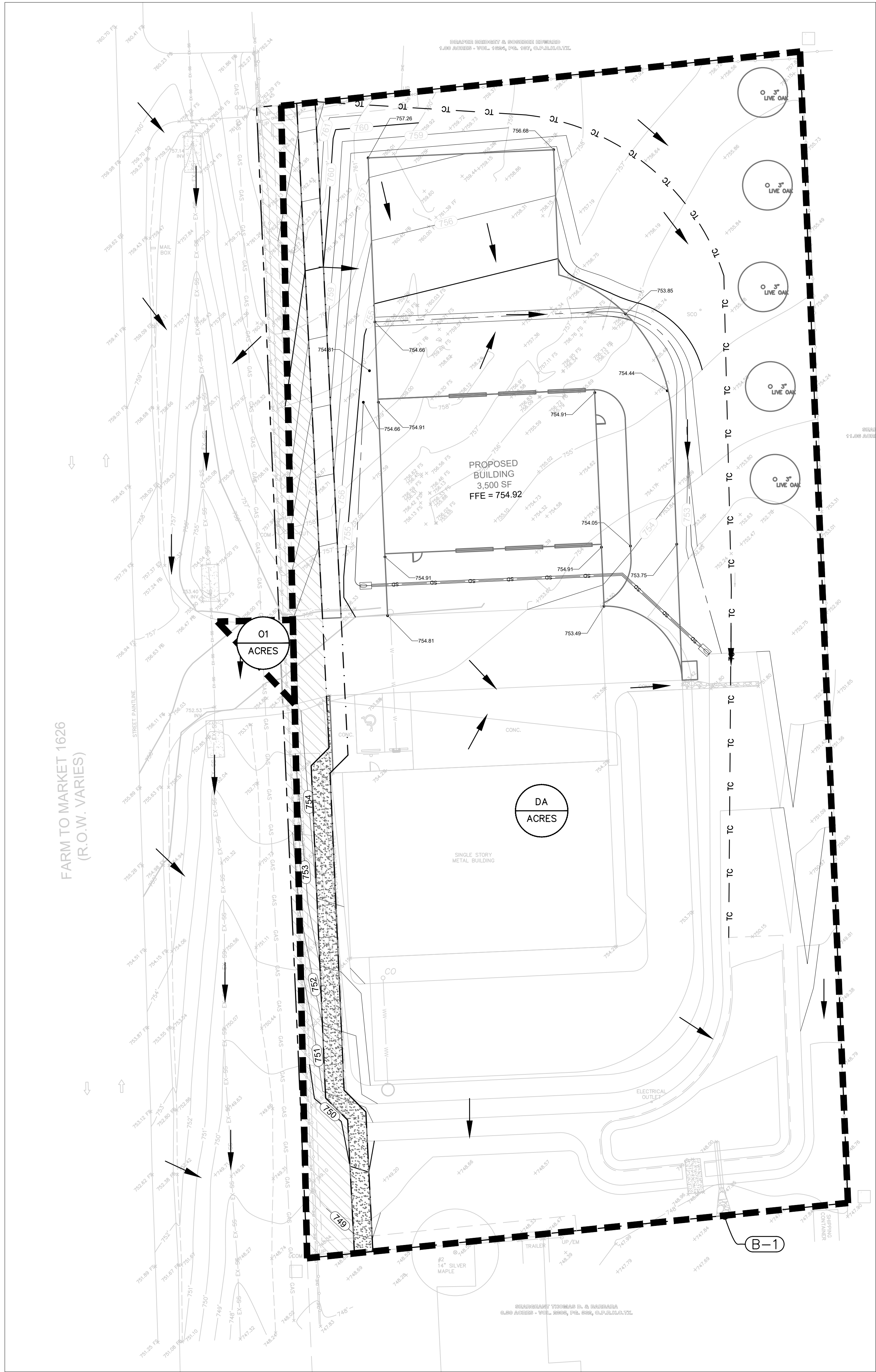
2023-228



EXISTING DRAINAGE AREA MAP

DRIFTWOOD DIESEL BUDA EXPANSION
1185 FM 1626 DR, BUDA, TEXAS

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- NOTES:
- ON-SITE SURVEY TOPOGRAPHIC INFORMATION PROVIDED BY **SPOT-ON SURVEYING** OBTAINED ON 04-29-2023.
 - OFF-SITE TOPOGRAPHIC INFORMATION OBTAINED FROM **TEXAS NATURAL RESOURCES INFORMATION SYSTEM**.
 - REFER TO **DETENTION POND PLAN** SHEETS FOR ADDITIONAL DRAINAGE CALCULATIONS AND DETAILS.

SITE PLAN APPROVAL SHEET 09 OF 13

FILE NUMBER 2023-228 APPLICATION DATE 3/13/23

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CITY ENGINEER, CITY OF BUDA

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Rev. 1 _____ Correction 1 _____

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DATE

NO.

REVISION

PROPOSED DRAINAGE AREA MAP

DRIFTWOOD DIESEL BUDA EXPANSION

1185 FM 1626 DR, BUDA, TEXAS

FLAKE ENGINEERING

TRAVIS@FLAKEENGINEERING.COM

201 GROVE LANE, BUDA, TX 78602, 468-6248

PROFESSIONAL ENGINEER

109871

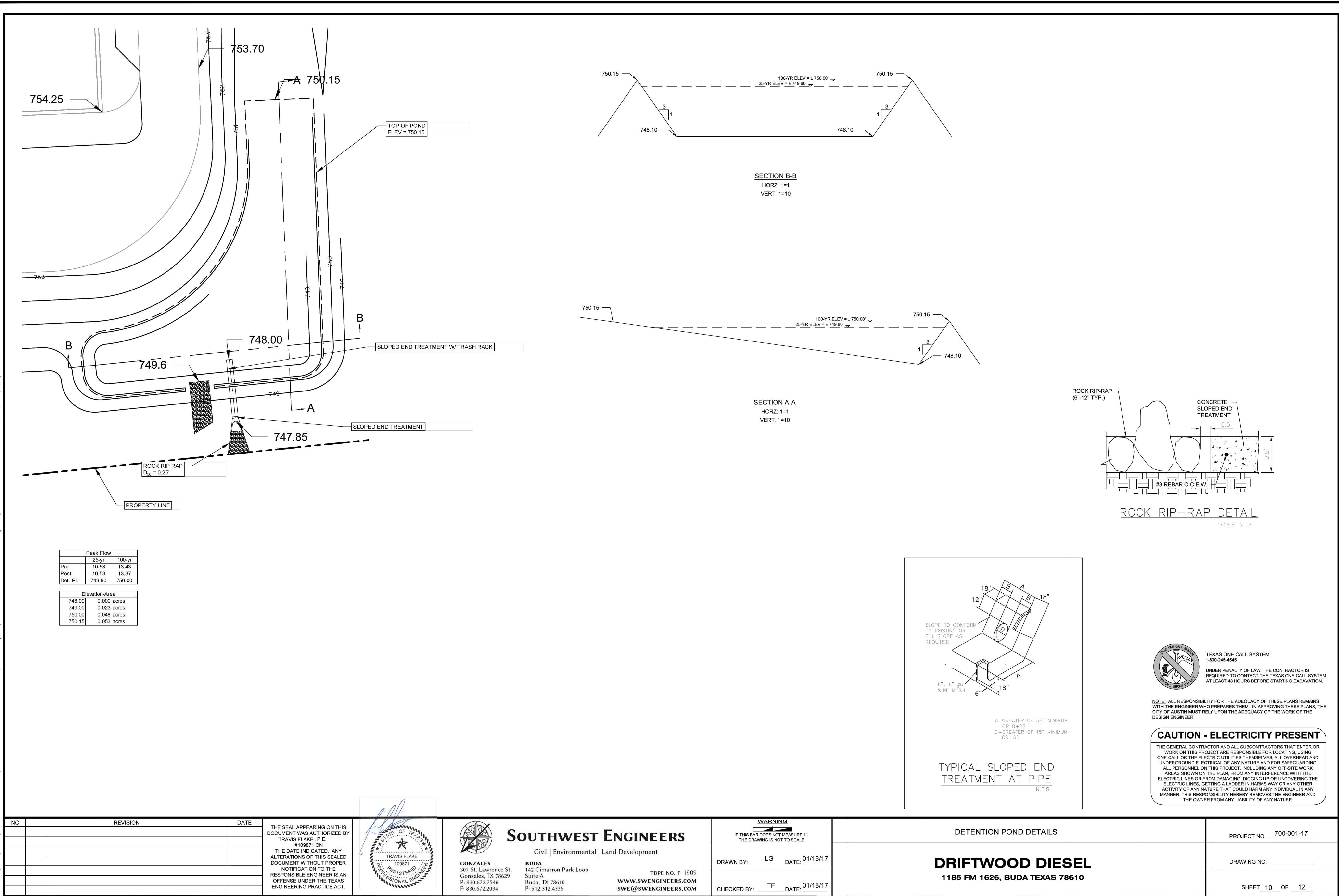
12/11/23

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SHEET 09 OF 14

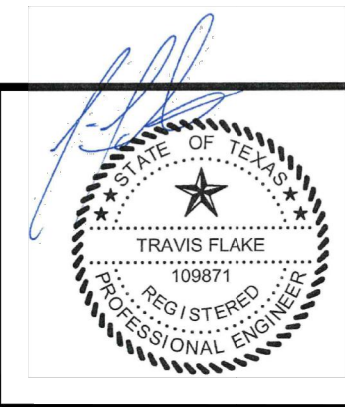
2023-228

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Civil | Environmental | Land Development

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DETENTION POND DETAILS

DRIFTWOOD DIESEL
1185 FM 1626, BUDA TEXAS 78610

PROJECT NO. 700-001-17

DRAWING NO.

SHEET 10 OF 12

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SITE PLAN APPROVAL SHEET 11 OF 13

FILE NUMBER 2023-228 APPLICATION DATE 3/13/23

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UNIFIED DEVELOPMENT CODE:

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CITY ENGINEER, CITY OF BUDA

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Rev. 1 Correction 1

Rev. 2 Correction 2

Rev. 3 Correction 3

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REFERENCE DETENTION POND DETAILS

DRIFTWOOD DIESEL BUDA EXPANSION
1185 FM 1626 DR, BUDA, TEXAS

NO.

REVISION

DATE

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SHEET 11 OF 14

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WATER QUALITY AND DETENTION POND

DRIFTWOOD DIESEL

1185 FM 1626, BUDA TEXAS 78610

	PROJECT NO. <u>700-001-17</u>
	DRAWING NO. _____
	SHEET <u>11</u> OF <u>12</u>



TEXAS ONE CALL SYSTEM
1-800-245-4545

UNDER PENALTY OF LAW, THE CONTRACTOR IS
REQUIRED TO CONTACT THE TEXAS ONE CALL SYSTEM
AT LEAST 48 HOURS BEFORE STARTING EXCAVATION.

NOTE: ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARES THEM. IN APPROVING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

CAUTION - ELECTRICITY PRESENT

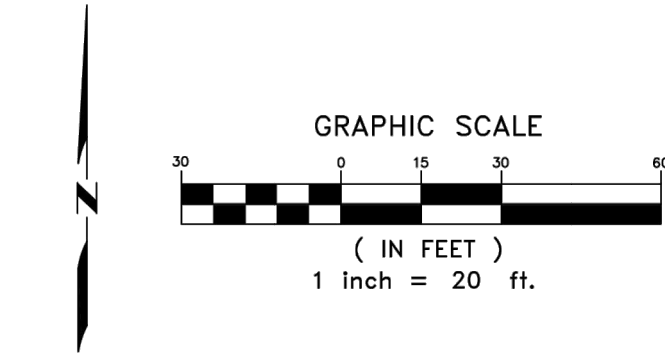
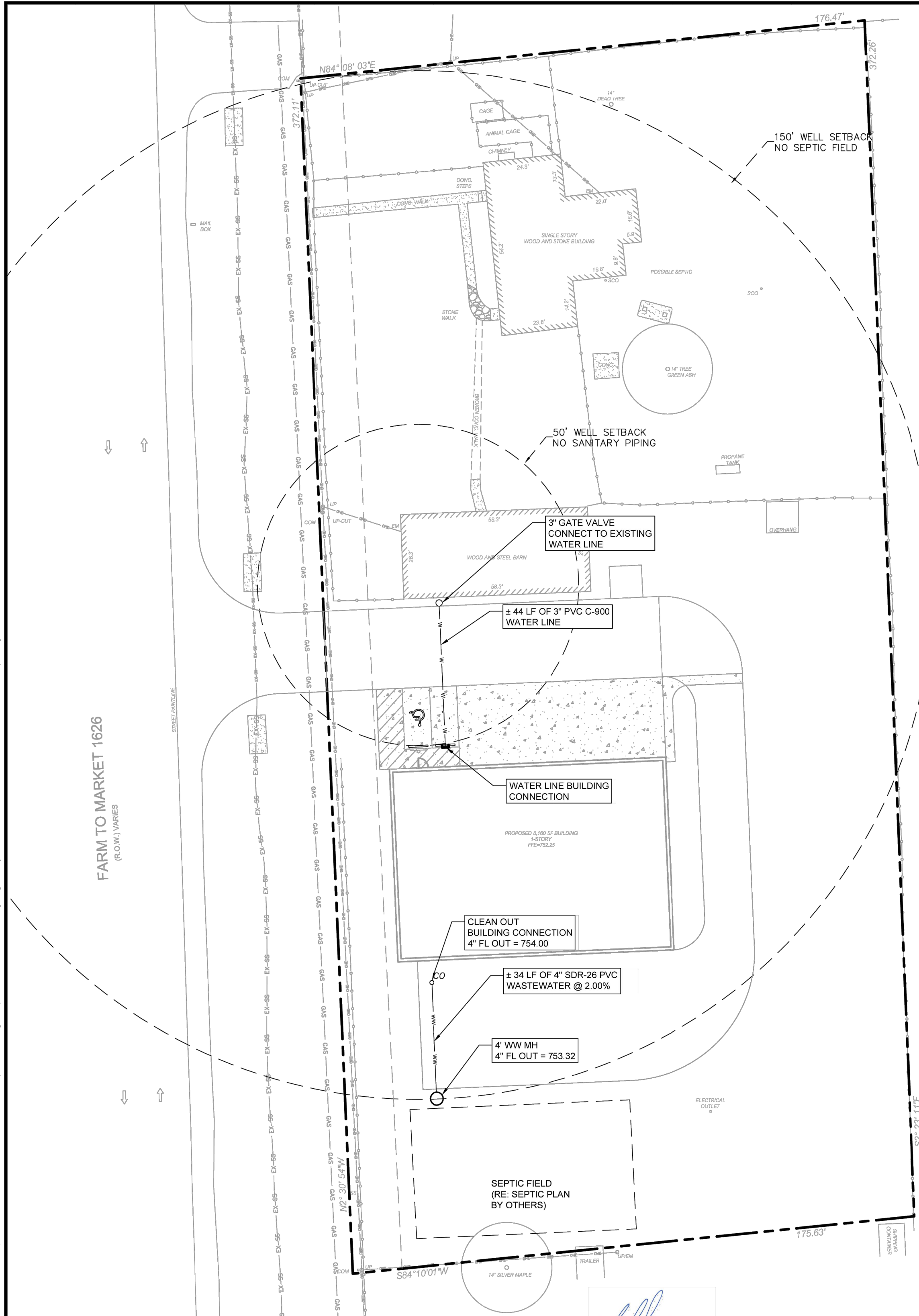
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SHEET 12 OF 14

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LEGEND	
	PROPERTY LINE
	PROPERTY LINE (ADJACENT)
	EXISTING EASEMENT
	EXISTING ELECTRICAL
	EXISTING UNDERGROUND ELEC.
	EXISTING OVERHEAD ELEC.
	EXISTING GAS
	EXISTING CONTOURS
	PROPOSED CONTOURS
	EXISTING TREE (TO REMAIN)
	EXISTING TREE (REMOVAL)
	PROPOSED CURB & GUTTER (UNLESS OTHERWISE NOTED ON SITE OR GRADING PLAN)
	PROPOSED SIDEWALK

PROPOSED UTILITIES:	
	FIRE HYDRANTS
	WATER VALVE
	MANHOLE (STORM)
	MANHOLE (WW)
	INLET
	WATER
	WASTEWATER
	STORM SEWER

EXISTING UTILITIES:	
	FIRE HYDRANTS
	WATER VALVE
	MANHOLE (STORM)
	MANHOLE (WW)
	INLET
	WATER
	WASTEWATER
	STORM SEWER

- GENERAL NOTES:**
- CONTRACTOR TO REFER TO ARCHITECTURAL/MEP FOR CONNECTION OF WATER AND WASTEWATER SERVICE LINES TO BUILDING DETAILS AND SPECIFICATIONS.
 - CONTRACTOR TO FIELD VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITY LINES PRIOR TO CONSTRUCTION OF PROPOSED IMPROVEMENTS.
 - THE CONTRACTOR SHALL CONTACT THE ENGINEER IF DISCREPANCIES ARISE BETWEEN RECORD INFORMATION AND IN THE FIELD.
 - ALL WATER AND WASTEWATER SERVICE LINES ARE DESIGNED UP TO 5' (FEET) FROM PROPOSED BUILDING.
 - CONTRACTOR TO CENTER ONE JOINT OF PIPE AT ALL WATER AND WASTEWATER CROSSINGS.

- WASTEWATER NOTES:**
- WASTEWATER SERVICE LINES TO BE SDR-26 PVC UNLESS OTHERWISE NOTED.
- WATER NOTES:**
- WATER SERVICE LINES TO BE C-900 DR-14 PVC UNLESS OTHERWISE NOTED.

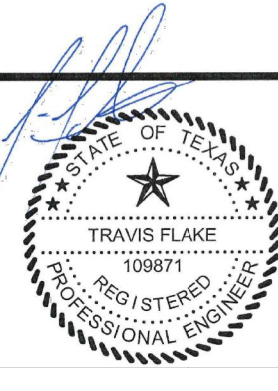


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									DRAWN BY: LG DATE: 01/18/17		DRAWING NO.	
									CHECKED BY: TF DATE: 01/18/17		SHEET 11 OF 12	



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SITE PLAN APPROVAL SHEET 13 OF 13

FILE NUMBER 2023-228 APPLICATION DATE 3/13/23

APPROVED BY COMMISSION ON N/A UNDER THE CITY OF BUDA

UNIFIED DEVELOPMENT CODE: EXPIRATION DATE CASE MANAGER T. FROST

CITY ENGINEER, CITY OF BUDA

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Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3

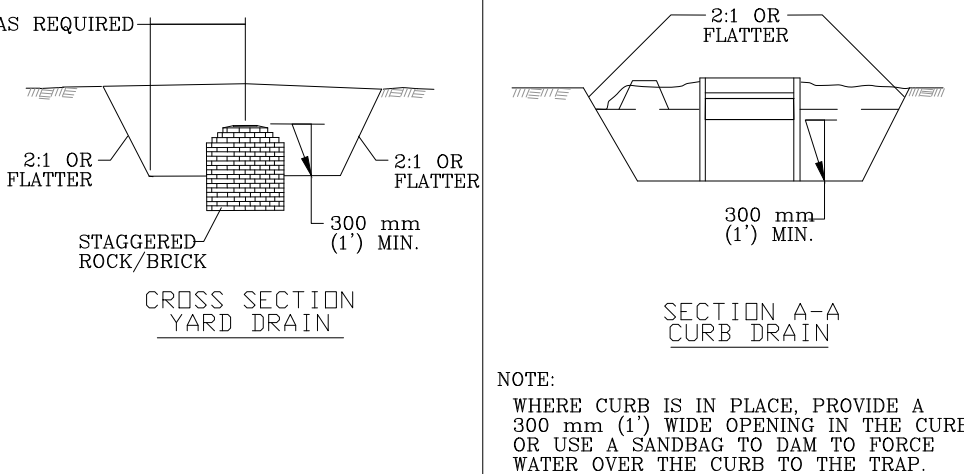
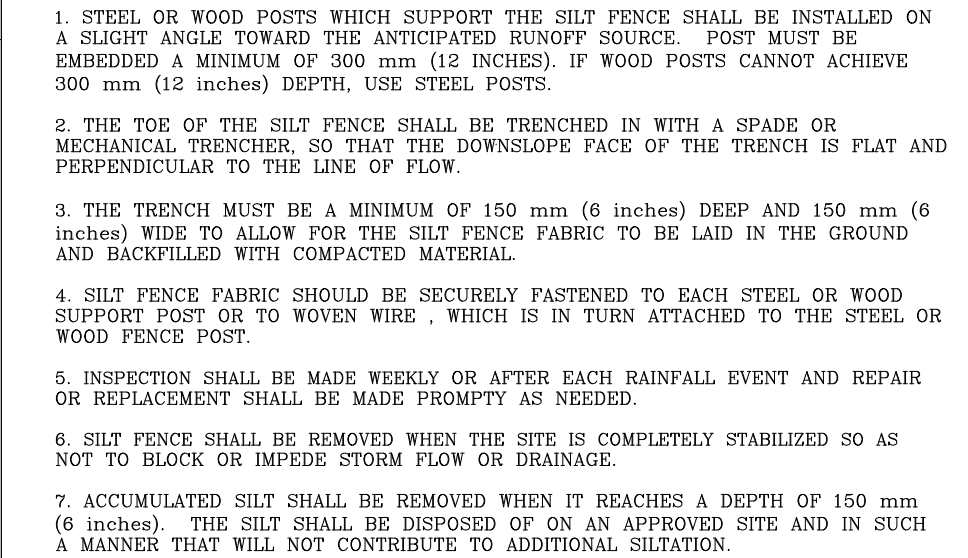
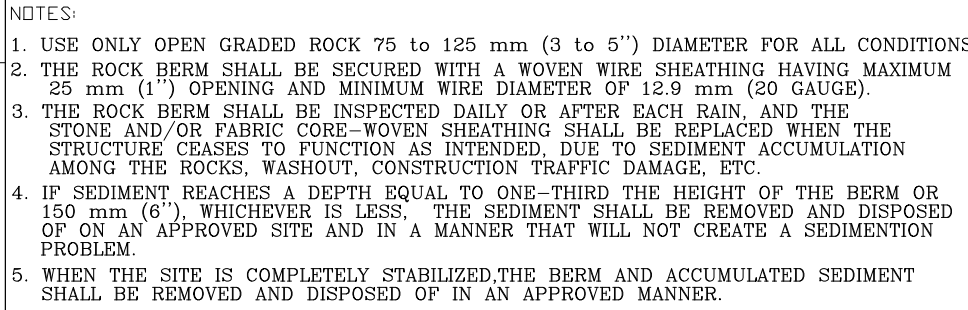
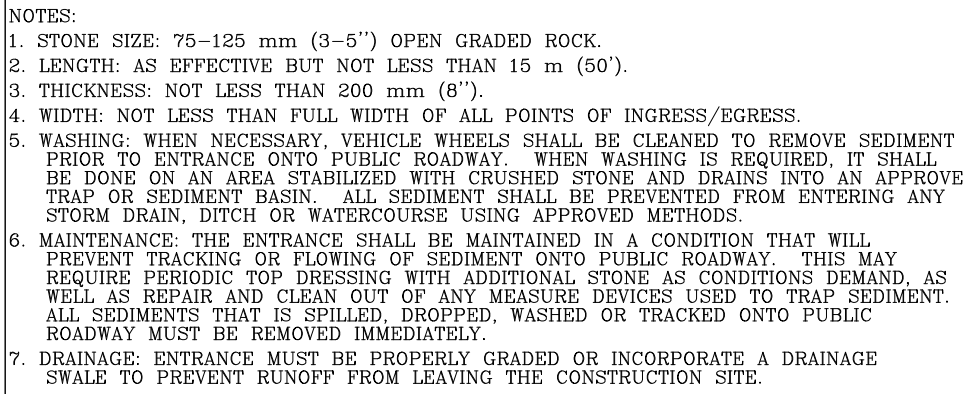
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REFERENCE UTILITY PLAN

DRIFTWOOD DIESEL BUDA EXPANSION
1185 FM 1626 DR, BUDA, TEXAS

PRO. NO. 033-001
SHEET 13 OF 14



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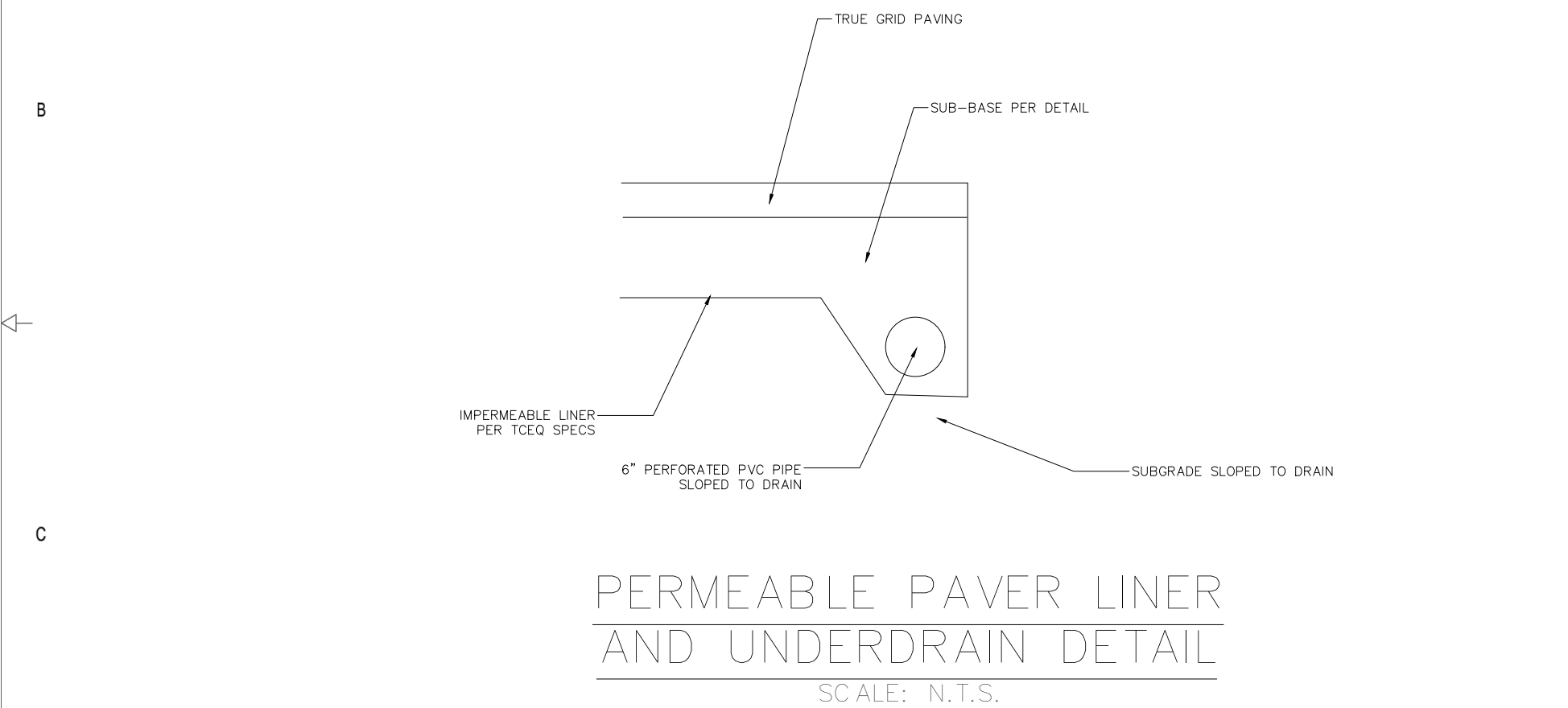
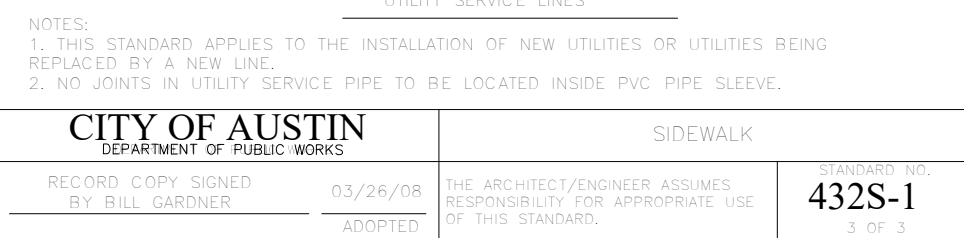
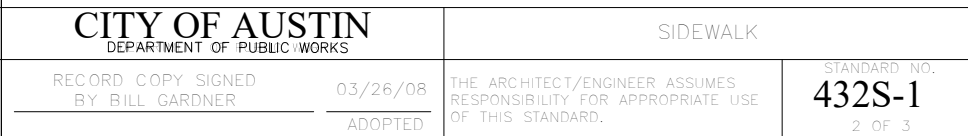
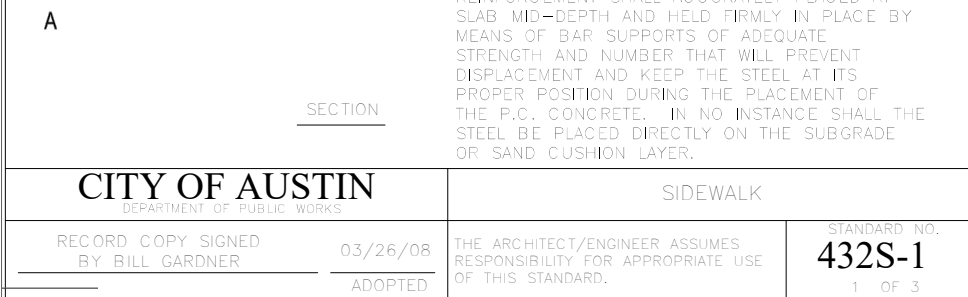
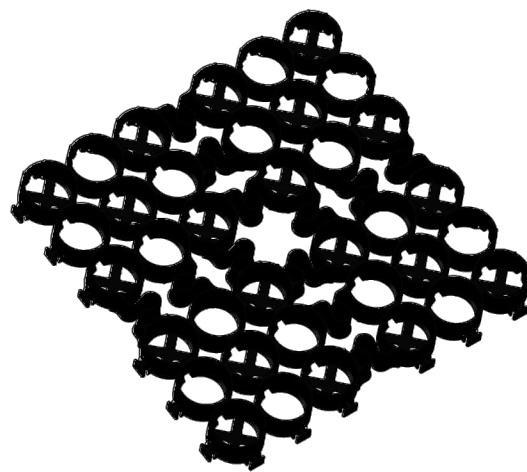
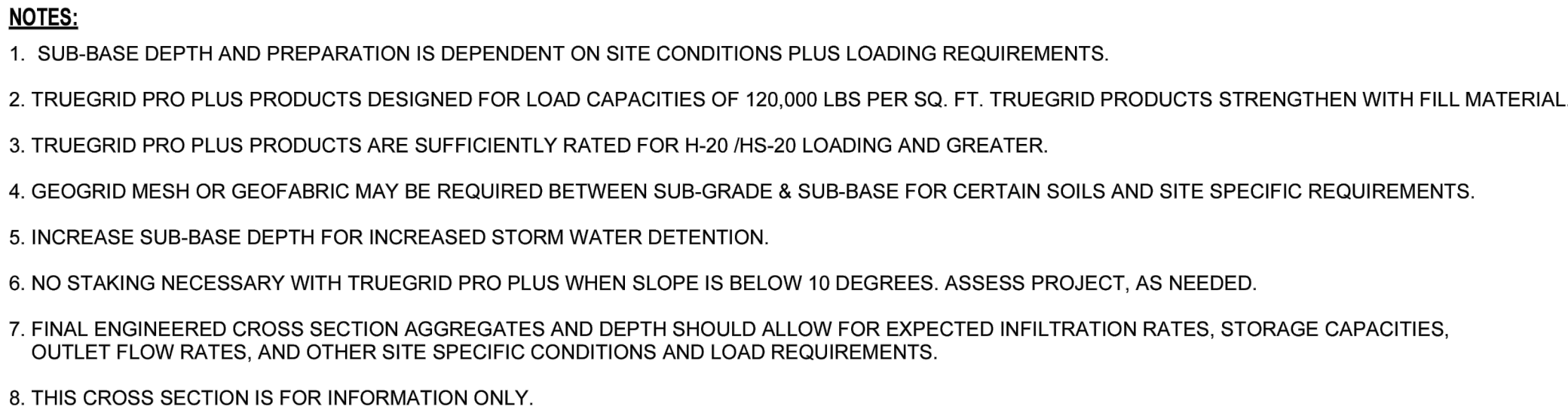
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DETAILS

DRIFTWOOD DIESEL BUDA
1185 FM 1626 DR, BUDA, TEXAS

PRO. NO. 033-001
SHEET 14 OF 14

2023-228



SITE PLAN APPROVAL	SHEET <u>14</u> of <u>13</u>
FILE NUMBER 2023-228	APPLICATION DATE 3/13/23
APPROVED BY COMMISSION ON <u>N/A</u>	UNDER THE CITY OF BUDA
UNIFIED DEVELOPMENT CODE:	
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PERMANENT STORMWATER SECTION ATTACHMENT G

INSPECTION, MAINTENANCE, REPAIR AND RETROFIT PLAN

PROJECT NAME: Driftwood Diesel
ADDRESS: 1185 FM 1626
CITY, STATE ZIP: Buda, TX 78610

MAINTENANCE GUIDELINES FOR GRASSY SWALES:

Grassy swales require minimal maintenance largely aimed at keeping grass cover dense and vigorous.

Pest Management:

An Integrated Pest Management (IPM) Plan should be developed for vegetated areas. This plan should specify how problem insects and weeds will be controlled with minimal or no use of insecticides or herbicides.

Seasonal Mowing and Lawn Care:

Lawn mowing should be performed routinely, as needed, throughout the growing season. Grass height should not exceed 18 inches. Grass cuttings should be collected and disposed of offsite, or a mulching mower can be used. Regular mowing should also include weed control practices; however, herbicide use should be kept to a minimum.

Inspection

Inspect swales at least twice annually for erosion or damage to vegetation; however, additional inspection after periods of heavy runoff is most desirable. The swale should be checked for uniformity of grass cover, debris and litter, and areas of sediment accumulation. More frequent inspections of the grass cover during the first few years after establishment will help to determine if any problems are developing, and to plan for long-term restorative maintenance needs. Bare spots and areas of erosion identified during semi-annual inspections should be replanted and restored to meet specifications. Construction of a level spreader device may be necessary to reestablish shallow overland flow.

Debris and Litter Removal

Trash tends to accumulate in swale areas. Any swale structures should be kept free of obstructions to reduce floatables being flushed downstream, and for aesthetic reasons. The need for this practice is determined through periodic inspection, but should be performed no less than two times per year.

Sediment Removal

Sediment accumulating in channels needs to be removed when they build up to 3 inches at any spot, or cover vegetation. Excess sediment should be removed by hand or with flat-bottomed shovels. If areas are eroded, they should be filled, compacted, and reseeded so that the final grade is level with the bottom of the swale. Sediment removal should be performed periodically, as determined through inspection.

Grass Reseeding and Mulching

A healthy dense grass should be maintained in the channel and side slopes. Grass damaged during the sediment removal process should be promptly replaced using the same seed mix used during swale establishment. If possible, flow should be diverted from the damaged areas until the grass is firmly established.

MAINTENANCE GUIDELINES FOR GRASSY SWALES:

The primary threat to the performance of permeable paver systems is clogging. The largest clogging threats to the system occur during construction and from landscaping.

During Construction:

Contractors may use pavement areas to store materials such as sand, gravel, soil, or landscape materials containing fines. The owner or supervising contractor must require all contractors to protect the pavement using heavy visqueen or plywood under these materials. The same materials are to be covered in order to prevent blowing and or washing away of such materials during wind and or rain events. It is recommended that protection of the permeable paver system be discussed at the project pre-construction meeting and be reinforced during interim construction.

During Construction and Post Construction:

It is suggested that signs be posted in landscape areas and at entrances to the property as reminders of an ecologically sensitive pavement structure and that certain guidelines be adhered to including: Dirt, sand, gravel, or landscape material must not be piled without first covering the pavement with a durable cover to protect the integrity of the pervious surface; all landscape cover must be graded to prevent washing and/or floating of such materials onto or through the pervious surface; and all chemical spills (including petrochemicals, hydrocarbons, pesticides, and herbicides) should be reported to the owner so the owner can prevent uncontrolled migration. Chemical migration control may require flushing, or the introduction of microbiological organisms to neutralize any impacts to the soil or water.

Post Construction:

Unclog the pavers of trash and debris by removing twigs, trash, leaves, and other debris.

At least three times a year after heavy rain, inspect the pavers looking for pooling water and visible dirt material in the gaps between the pavers.

When a serious clog is identified which can not be fixed with a broom or other basic tools, or at least twice a year, power wash the gravel to clear out any dirt clumps.

Permeability testing of the pavement system should occur at least every three years to determine whether the pavement has become clogged. The test should be conducted with a double ring infiltrometer in one representative location for each 2000 ft² of pavement. A minimum infiltration rate of five inches/hour is required. All waste, including the removed materials, must be disposed of in accordance with local, state, and federal laws and regulations.

Documenting Inspections: Inspection, maintenance, repairs, and retrofits performed per the above requirements must be documented and records thereof maintained with the WPAP.

The following format may be used to document the required maintenance:

Facility Name: Driftwood Diesel

Date of Inspection: _____

Reason of Inspection/Action: _____
(Monthly, Quarterly, Yearly, Rainfall, Other)

Batch Detention Pond Conditions: _____

Grassy Swale Conditions: _____

Detailed Description of Actions Taken: _____

Owner/Responsible Party: Christopher Rickman
(Name Typed)

Entity: Driftwood Diesel, LLC
Mailing Address: 1185 FM 1626
City, State: Buda, TX Zip: 78710
Telephone: _____
Fax: _____

I, Chris Rickman, for Driftwood Diesel, agree to maintain the BMP's according the above recommended maintenance plan, until such time the ownership transfers.



Signature of Owner or Responsible Party

10-13-23
Date

**PERMANENT STORMWATER SECTION
ATTACHMENT H**

PILO-SCALE FIELD TESTING PLAN

This section is Not Applicable (N/A) for this project.

**PERMANENT STORMWATER SECTION
ATTACHMENT I**

MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

Proposed improvements are not expected to change the way in which water enters the stream or affects stream flashing, in-stream velocities, and other in-stream effects.



VIII.

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

I _____ Chris Rickman _____
Print Name

Owner _____
Title - Owner/President/Other _____
of _____ Driftwood Diesel _____
Corporation/Partnership/Entity Name
have authorized _____ Travis Flake _____
Print Name of Agent/Engineer
of _____ Flake Engineering, PLLC _____
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:

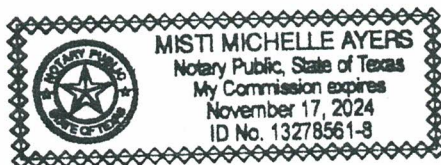
Chris Rickman
Applicant's Signature

10-12-23
Date

THE STATE OF Texas §
County of Hays §

BEFORE ME, the undersigned authority, on this day personally appeared Chris Rickman 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 12 day of October.



Misti Michelle Ayers
NOTARY PUBLIC
Misti Michelle Ayers
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: November 17th 2024



IX.

**APPLICATION FEE FORM
(TCEQ-0574)**

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Driftwood Diesel

Regulated Entity Location: 1185 FM 1626, Buda, Texas 78610

Name of Customer: Chris Rickman

Contact Person: Travis Flake

Phone: 512 468 6248

Customer Reference Number (if issued): CN 605379189

Regulated Entity Reference Number (if issued): RN 109814004

Austin Regional Office (3373)

☒ Hays

☐ Travis

☐ Williamson

San Antonio Regional Office (3362)

☐ Bexar

☐ Medina

☐ Uvalde

☐ Comal

☐ Kinney

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

☒ Austin Regional Office

☐ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

☒ Recharge Zone

☐ Contributing Zone

☐ Transition Zone

Type of Plan	Size	Fee Due
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	1.5 Acres	\$ 4,000
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: 

Date: 12-12-23

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

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150



X.

CHECK PAYABLE TO TCEQ



XI.

**CORE DATA FORM
(TCEQ-10400)**



TCEQ Core Data Form

TCEQ Use Only

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 605379189		RN 109814004

SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	11/2/2023	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership			
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: e.g.: Doe, John)		If new Customer, enter previous Customer below:	
Driftwood Diesel LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
	32048831211	46-090552	
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) - as it relates to the Regulated Entity listed on this form. Please check one of the following:			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	PO Box 1023		
City	Buda	State	TX
ZIP	78610	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(512) 295 - 7400		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> 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.)	
Driftwood Diesel LLC	

23. Street Address of the Regulated Entity: (No PO Boxes)	1185 FM 1626							
	City	Buda	State	TX	ZIP	78610	ZIP + 4	
24. County	Hays							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:								
26. Nearest City					State		Nearest ZIP Code	
27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:					
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
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)		
7538				811111				
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Automotive repair and maintenance for diesel vehicles								
34. Mailing Address:								
		City		State		ZIP		ZIP + 4
35. E-Mail Address:								
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
() -						() -		

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

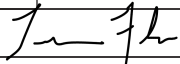
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name: Travis Flake		41. Title: Principal	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 468 - 6248		() -	travis@flakeengineering.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:	Flake Engineering	Job Title:	Principal
Name (In Print):	Travis Flake	Phone:	(512) 468 - 6248
Signature:		Date:	11/2/2023