GPD GROUP
Professional Corporation

April 28, 2023
2022241.21

Plans Examiner
Environmental Investigator
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality

RE: Edwards Aquifer, Hays County
Tesla Supercharging Station located at Valero Corner Store 1318, 13810 Sawyer Ranch Road, Dripping Springs TX
Request for CZP-OEM Modification Application

Dear Plans Examiner,

GPD Group Professional Corporation (GPD) is submitting a CZP-OEM Modification application on behalf of Tesla, Inc. who is proposing to modify the previously approved Contributing Zone Plan associated to regulated entity no.: RN106684293. The subject property located at 13810 Sawyer Ranch Road, within the city limits of Dripping Springs, TX, is currently used as a fueling station for Valero Corner Store 1318. Tesla is proposing to install an electric vehicle charging station within the existing parking lot of the subject property.

The subject property is a 2.94-acre existing commercial property that lies in the Contribution Zone of the Edward's Aquifer within Hays County. Tesla proposed project is in the existing parking lot of this subject property along the southwest property line. Please refer to the area map located on the title page of the proposed Tesla construction drawings included with this submittal.

Tesla is proposing to install an eight (8) stall electric vehicle charging station within the existing parking lot by converting standard parking stall to be usable by electric vehicles. The land disturbance will only be for the concrete pads for the charging cabinets, switchgear, and utility transformer which are proposed to the south of the existing parking lot.

The construction activity of Tesla's project will include preparing the area for installation of the pre-cast concrete bases for the charging posts, concrete pads for the charging cabinets, switchgear, and utility transformer in addition to the trenching for the conduits to run from the equipment to the charging posts. The project will not cause a great disturbance to the change of the existing flow of the area.

Included with this letter the following documentation have been provided:

1. EDWARDS AQUIFER APPLICATION COVER PAGE (TCEQ -20705) (Page 3 of 97)
2. MODIFICATION OF PREVIOUSLY APPROVED CONTRIBUTION ZONE PLAN (TCEQ-10259) (page 7 of 97)
3. GEOLOGICAL ASSESSMENT (TCEQ-0585) (Page 20 of 97)
4. CONTRIBUTING ZONE PLAN APPLICATION (TCEQ-010257) (page 28 of 97)
5. TEMPORARY STORM SECTION (TCEQ-F-0602) (page 71 of 97)
6. APPLICATION FEE FORM (TCEQ-0574) (page 88 of 97)
7. TCEQ CORE DATA FORM (page 90 of 97)
8. OWNER AUTHORIZATION FORM (page 93 of 97)
9. APPICANT ACKNOWLEDGEMENT FORM (page 95 of 07)
10. AGENT AUTHORIZATION FORM (TCEQ-0599) (page 96 of 97)

If you have any questions or concerns, please contact me at (330)-572-3508 or by email at shoneycutt@gpdgroup.com. Thank you for your time and consideration.

Sincerely,

GPD Group

Sarah Honeycutt

Sarah Honeycutt
Planning Specialist

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: Valero Corner Store 1318						**2. Regulated Entity No.:** RN106684293			
3. Customer Name: Tesla Inc.						**4. Customer No.:** CN604905919			
5. Project Type: (Please circle/check one)	New		Modification			Extension		Exception	
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential		Non-residential			**8. Site (acres):**		2.9436	
9. Application Fee:	$3,000		**10. Permanent BMP(s):**			2 existing stormtroopers			
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						
13. County:	Hays		**14. Watershed:**			Onion Creek - Colorado River			

Application Distribution

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

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

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

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	___	___	___
Region (1 req.)	___	___	___
County(ies)	___	___	___
Groundwater Conservation District(s)	X Edwards Aquifer Authority ___Barton Springs/ Edwards Aquifer ___Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda X Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley ___Woodcreek	___Austin ___Bee Cave ___Pflugerville ___Rollingwood ___Round Rock ___Sunset Valley ___West Lake Hills	___Austin ___Cedar Park ___Florence ___Georgetown ___Jerrell ___Leander ___Liberty Hill ___Pflugerville ___Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	___	___	___	___	___
Region (1 req.)	___	___	___	___	___
County(ies)	___	___	___	___	___
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___Trinity-Glen Rose	___Edwards Aquifer Authority	___Kinney	___EAA ___Medina	___EAA ___Uvalde
City(ies) Jurisdiction	___Castle Hills ___Fair Oaks Ranch ___Helotes ___Hill Country Village ___Hollywood Park ___San Antonio (SAWS) ___Shavano Park	___Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.
Shayne Hastings - Tesla, Inc. Print Name of Customer/Authorized Agent
Shayne Hastings 11/30/2022 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):	

Modification of a Previously Approved Contributing Zone Plan

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: GPD Group Professional Corporation on behalf of Tesla, Inc.

Date: 05/02/2023

Signature of Customer/Agent:

Sarah Honeycutt GPD Group Professional Corporation agent for Tesla, Inc.

Project Information

1. Current Regulated Entity Name: Valero Corner Store 1318
   Original Regulated Entity Name: Valero Corner Store 1318
   Assigned Regulated Entity Number(s) (RN): RN106684293
   Edwards Aquifer Protection Program ID Number(s): 11-13042304
   ☐ The applicant has not changed and the Customer Number (CN) is: _____
   ☒ The applicant or Regulated Entity has changed. A new Core Data Form has been provided.

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

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

☐ Any physical or operational modification of any best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
☒ Any change in the nature or character of the regulated activity from that which was originally approved;
☐ A change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
☐ Any development of land previously identified in a contributing zone plan as undeveloped.

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

CZP Modification Summary	***Approved Project***	***Proposed Modification***
Acres	2.9436	No Change
Type of Development		Adding EV station
Number of Residential Lots	N/A	N/A
Impervious Cover (acres)		added 0.008 acres
Impervious Cover (%)		increased by 0.27%
Permanent BMPs		No Change
Other		

AST Modification Summary	***Approved Project***	***Proposed Modification***
Number of ASTs		No Change
Other		

UST Modification Summary	***Approved Project***	***Proposed Modification***
Number of USTs		No Change
Other		

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

including previous modifications, and how this proposed modification will change the approved plan.

6. [X] **Attachment C: Current Site Plan of the Approved Projec**t. 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.
   - [X] 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. [X] Acreage has not been added to or removed from the approved plan.
   [ ] Acreage has been added to or removed from the approved plan and is discussed in *Attachment B: Narrative of Proposed Modification*.

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

ATTACHMENT A:

ORIGINAL APPROVAL LETTER AND APPROVED MODIFICATION LETTERS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 8, 2013

Mr. Scott Lombard
Big Diamond LLC
c/o CST Brands
1 Valero Way, Building D2
San Antonio, Texas 78249

Re: Edwards Aquifer, Hays County
Valero Corner Store 1318, 13810 Sawyer Ranch Road, Dripping Springs, Texas
Request for Approval of a Contributing Zone Plan with Optional Enhanced Measures (CZP-OPT-OPT); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer
Edwards Aquifer Protection Program Id No. 11-13042304

Dear Mr. Lombard:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP-OPT application for the above-referenced project submitted to the Austin Regional Office by AusTex Development Limited I. Ltd. on behalf of Big Diamond, LLC on April 23, 2013. Final review of the CZP-OPT was completed after additional material was received on June 24, 2013. 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 and with the requirements of the TCEQ publication RG-348a, *Optional Enhanced Measures for the Protection of Water Quality in the Edwards Aquifer, an Appendix to RG-348*.. 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 commercial project will have an area of approximately 2.94 acres. It will include the construction of a convenience store and gas station. The impervious cover will be 1.92 acres (65.4 percent). According to a letter dated, August 14, 2012, signed by Mr. Tom Pope, with Hays County, the site in the development is acceptable for the use of on-site sewage facilities.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two Stormtrooper units designed using the TCEQ technical guidance document, *Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices*, will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 1,725 pounds of TSS generated from the 1.92 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project. They also meet the requirement to contain any spill of gasoline.

The individual treatment measures will consist of a Stormtrooper SWAQ Model 110 installed to treat the North drainage area and a Stormtrooper SWAQ Model 40 installed to treat the South drainage area. The units will be located below ground on the site adjacent to Sawyer Ranch Road.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP-OPT application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all

information necessary for its review and approval prior to initiating construction of the modifications.

6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and

construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

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

15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.

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

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 Ms. Heather L. Beatty, P.G. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512)339-2929.

Sincerely,

Carolyn. D. Runyon, Water Section Manager
Austin Regional Office
Texas Commission on Environmental Quality

CDR/hlb

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, TCEQ-10263

cc: Mr. David Price, P.E., AusTex Development Limited I. Ltd
Mr. Rick Broun, General Manager, Hays Trinity Groundwater Conservation District
Ms. Michelle Fischer, City Administrator, City of Dripping Springs
The Honorable Bert Cobb, M.D., County Judge, Hays County
Ms. Brooke Leftwich, Environmental Compliance Specialist, Hays County
TCEQ Central Records, Building F, MC212

ATTACHMENT B:

NARRATIVE OF PROPOSED MODIFICATION

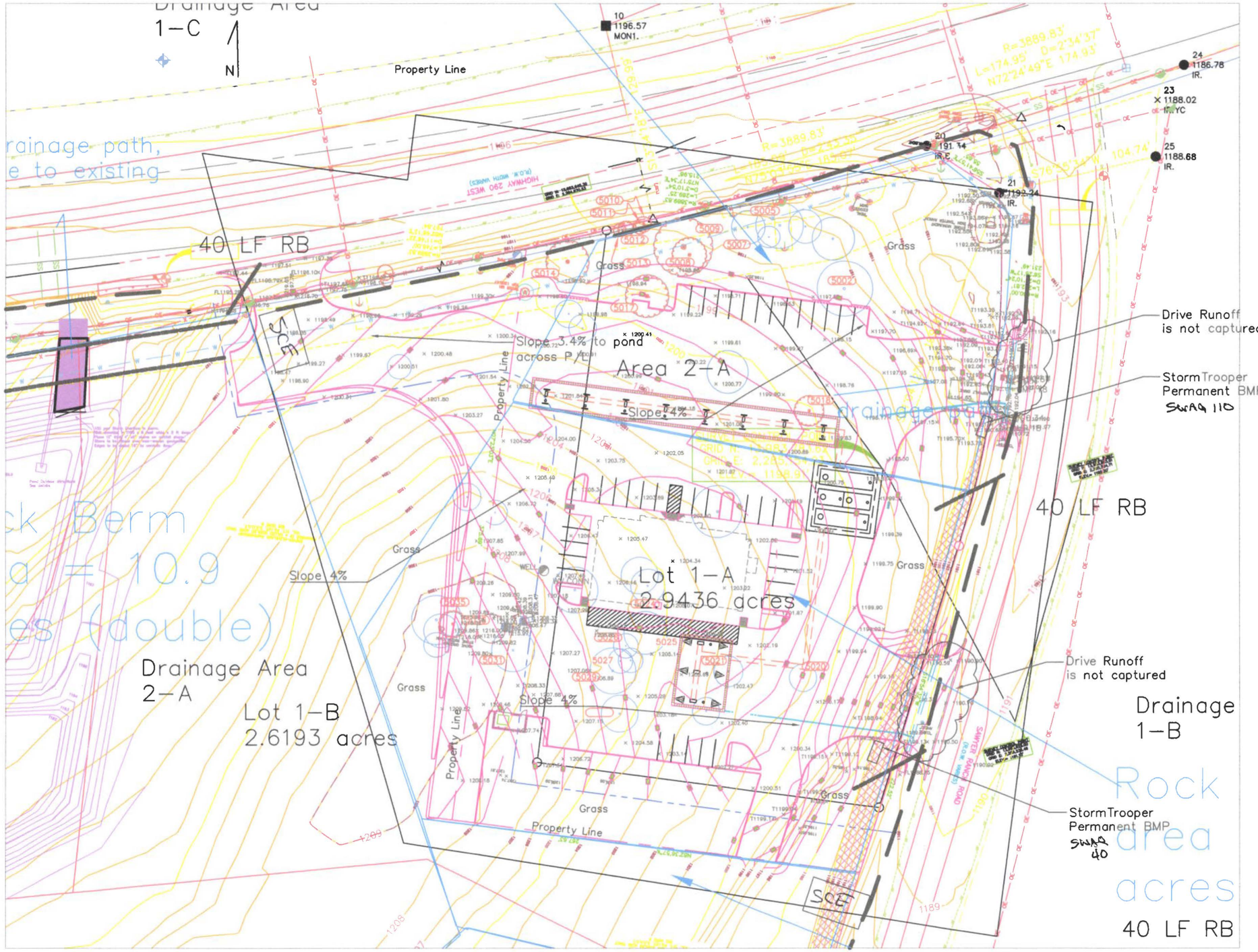
ATTACHMENT B

Project Narrative of Proposed Modification

The proposed modification of the existing site will impact the existing Contributing Area Zone Plan. However, the impact is limited to the construction of electrical equipment pads in the "South" basin. The modifications will preserve the design flow paths and total drainage basin areas. However, construction of the equipment pads in the "South" basin will convert approximately 0.005 acres of pervious area to impervious. Based on measurements from the survey by Clark Surveying, dated 7/1/2021, the proposed development will not exceed the design impervious area, the design total area, or the impervious to pervious ratio of the original design. See calculations in the construction plans and Attachment K of the Contributing Zone Plan Application.

ATTACHMENT C:

CURRENT SITE PLAN OF THE APPROVED PROJECT



General Notes

1. Grading for Lots 1 B and 1 D is not included in this submission.

2. Lot 1D will require fill, in order for pond to be constructed. A separate fill permit may be required.

All areas on Lot 1A will be disturbed. Areas not paved will receive grass and landscaping.

STATE OF TEXAS
DAVID ALAN PRICE
66362
REGISTERED
PROFESSIONAL ENGINEER
#66362

Tract One Grading
Enlarged view

No.	Revision/Issue	Date

Firm Name and Address
AusTex
AusTex Development I, Ltd.
PO Box 28523
Austin, TX 78755
TBPE Firm F-5636

Project Name and Address
Valero 1318
US 290 at Sawyer Ranch Rd
Dripping Springs, TX

Project	Sheet
2012-144	G2
Date: 09/28/12	
Scale: 1" = ~~30~~ 60 ft	

9/30/2012

N:\PROJECTFILES\VALERO\SAWYER\FINALGROUPINGS092512\AUSTEXMASTERVALEROSITE_FINAL111212_CZP020213.DWG

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

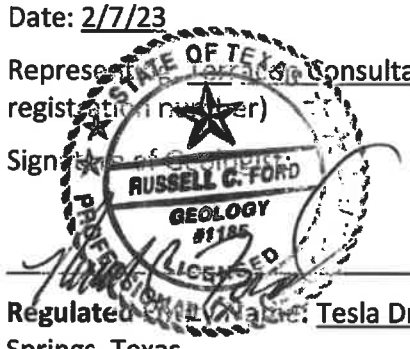
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Russell Ford, P.G Telephone: 512 442-1122

Date: 2/7/23 Fax: 512-442-1181

Representing: Terracon Consultants, Inc. / TBPG 50058 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: Tesla Dripping Springs Site, 13810 Sawyer Ranch Road, Dripping Springs, Texas

Project Information

1. Date(s) Geologic Assessment was performed: 2/3/23
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)
BtD	C	2

** 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" = _'
   Site Geologic Map Scale: 1" = 30'
   Site Soils Map Scale (if more than 1 soil type): 1" = _____'

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 _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
    - ☐ The wells are not in use and have been properly abandoned.
    - ☐ The wells are not in use and will be properly abandoned.
    - ☐ The wells are in use and comply with 16 TAC Chapter 76.

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

Administrative Information

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

ATTACHMENT A

NO FEATURES

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: Tesla Dripping Springs Site. 13810 Sawyer Ranch Road, Dripping Springs, Texas

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	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z		10						<40	>40	<1.6	>1.6	

* DATUM NAD27

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	30
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

TOPOGRAPHY
Cave, Sinkhole, Hillside, Drainage, Floodplain, Streambed

I have read and understood the rules and followed the Texas Natural Resource Conservation Commission's Instructions to Geologists. The information presented in this assessment and is a true representation of the conditions observed in the field.

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

STATE OF TEXAS
RUSSELL C. FORD
GEOLOGY
#1186
LICENSED
PROFESSIONAL GEOLOGIST

Date _____

TNRCC-0585-Table (Rev. 5-1-02)

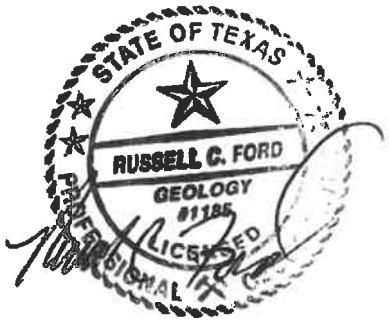
Sheet _____ of _____

2/7/2023

Attachment B
Stratigraphic Column
Tesla Dripping Springs Site
13810 Sawyer Ranch Road
Dripping Springs, Texas

HYDROGEOLOGIC SUBDIVISION	FORMATION	THICKNESS (feet)	LITHOLOGY
Lower confining unit	Glen Rose Limestone	380	Dolomitic limestone interbedded with marl in alternating resistant and recessive beds

Source: Geologic Atlas of Texas, Llano Sheet



2/7/2023

Terracon

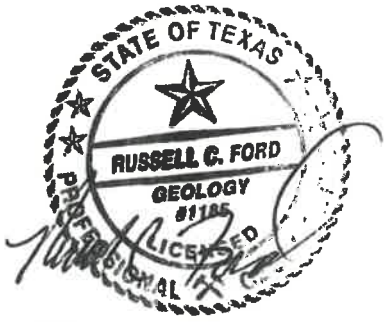
ATTACHMENT C
SITE-SPECIFIC GEOLOGY

The Geologic Assessment (GA) of the Tesla Dripping Springs Site was performed by Mr. Russell C. Ford, P.G., of Terracon on February 3, 2023. The site consists of a developed tract of land (currently occupied by a gas station/convenience store) located at 13810 Sawyer Ranch Road in Dripping Springs, Texas. Exhibit 1 (attached) is a site location map depicting the site in relation to the surrounding area. The site is mostly developed and contains landscaped areas surrounding an active gasoline service station/convenience store and associated parking lot. The areas immediately surrounding the site are a combination of undeveloped and commercial properties. The site is characterized as gently sloping to the north-northeast with site elevation ranging from about 1208 feet above mean sea level (msl) to about 1194 feet msl.

The Geologic Site Map is provided as Exhibit 2. The site is located outside of the recharge zone of the Edwards aquifer. The surficial geologic unit present at the site has been identified as the Glen Rose Formation. The Glen Rose Formation forms the lower confining unit to the Edwards aquifer and consists of a yellowish-tan, thinly bedded limestone and marl. The upper member of the Glen Rose consists of shale and marl alternating with thin beds of limestone and dolomite. This alternating bedding of limestone and marl forms the typical stair-step topography observed in outcrops in the area and on the site. Thicknesses of about 350 to 400 feet are present in the area. Table 1 (attached) is a stratigraphic column prepared for the site. The upper 100 feet is typically heavily weathered and contains abundant porous, soft dolomite and burrowed limestone resulting in gentle slopes and many springs. The dolomitic portions of the upper member contain water and make up part of the upper Trinity aquifer. The completed Geologic Assessment form is attached.

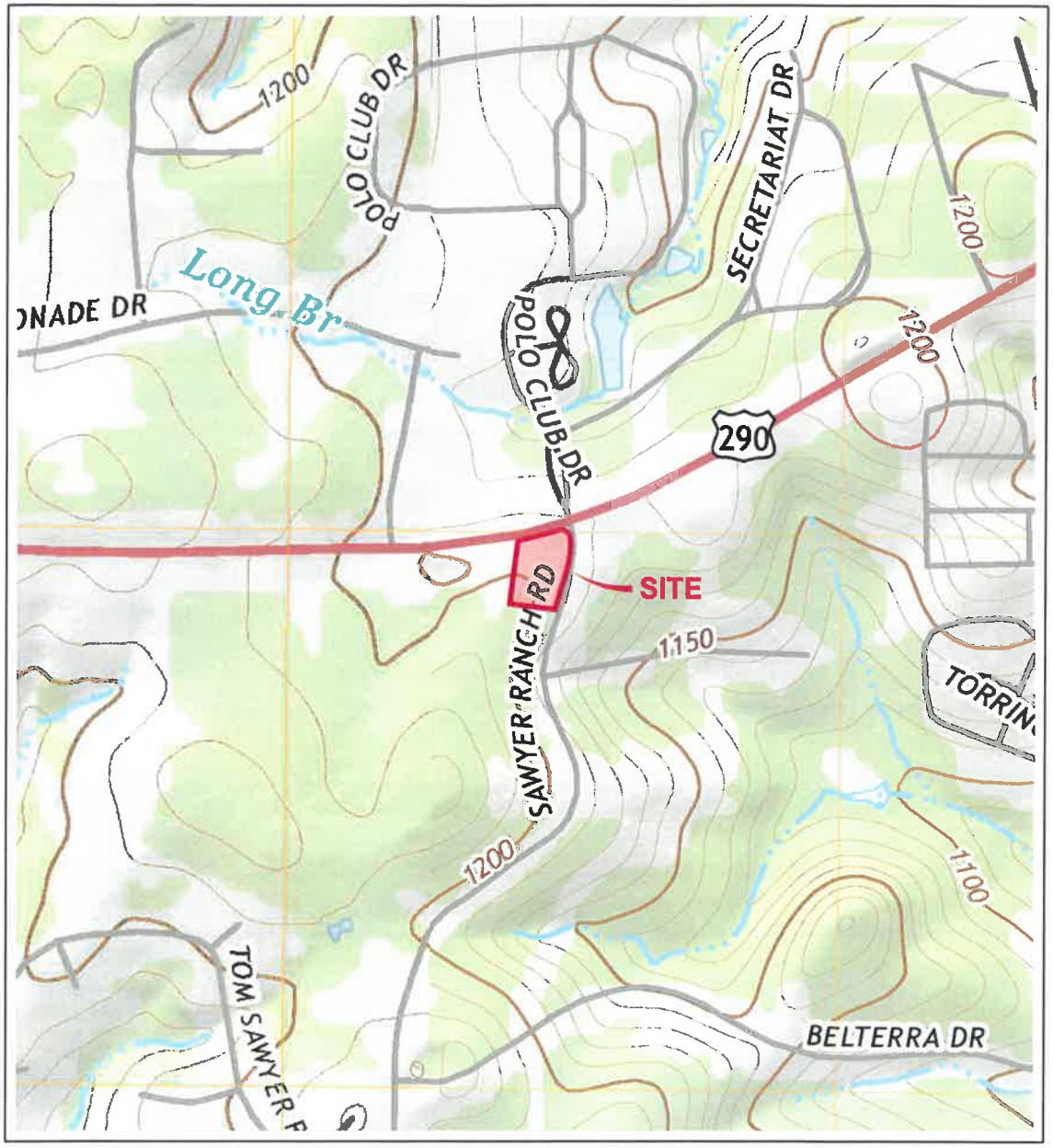
Surface exposure onsite of the Glen Rose is obscured by the existing site development and grass cover. No active seeps or springs were observed onsite. No caves, sinkholes, or significant solution cavities were observed on the site. No evidence of any faulting was observed on the site and none is shown on any of the available published geologic maps of the area. Additionally, a review of aerial photographs did not reveal any lineations, which typically indicate the presence of faulting. The closest mapped fault is located approximately 9 miles southwest of the site. The fault trends toward the northeast and is associated with the Balcones fault zone, which is comprised of en echelon, normal, high-angle faults, that are generally down thrown to the southeast and represents the dominant structural trend of the area.

No sensitive geologic features, as defined in the TCEQ's instructions to geologists, were observed on the site. Since the site is not located within the recharge zone of the Edwards Aquifer, there is no potential for any recharge to the Edwards Aquifer beneath the site.



2/7/2023

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:12,000

.5 .25 0 KILOMETERS .5 1

500 0 METERS 500 1000

.5 .25 0 .5

MILES

500 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000

CONTOUR INTERVAL 10 FEET

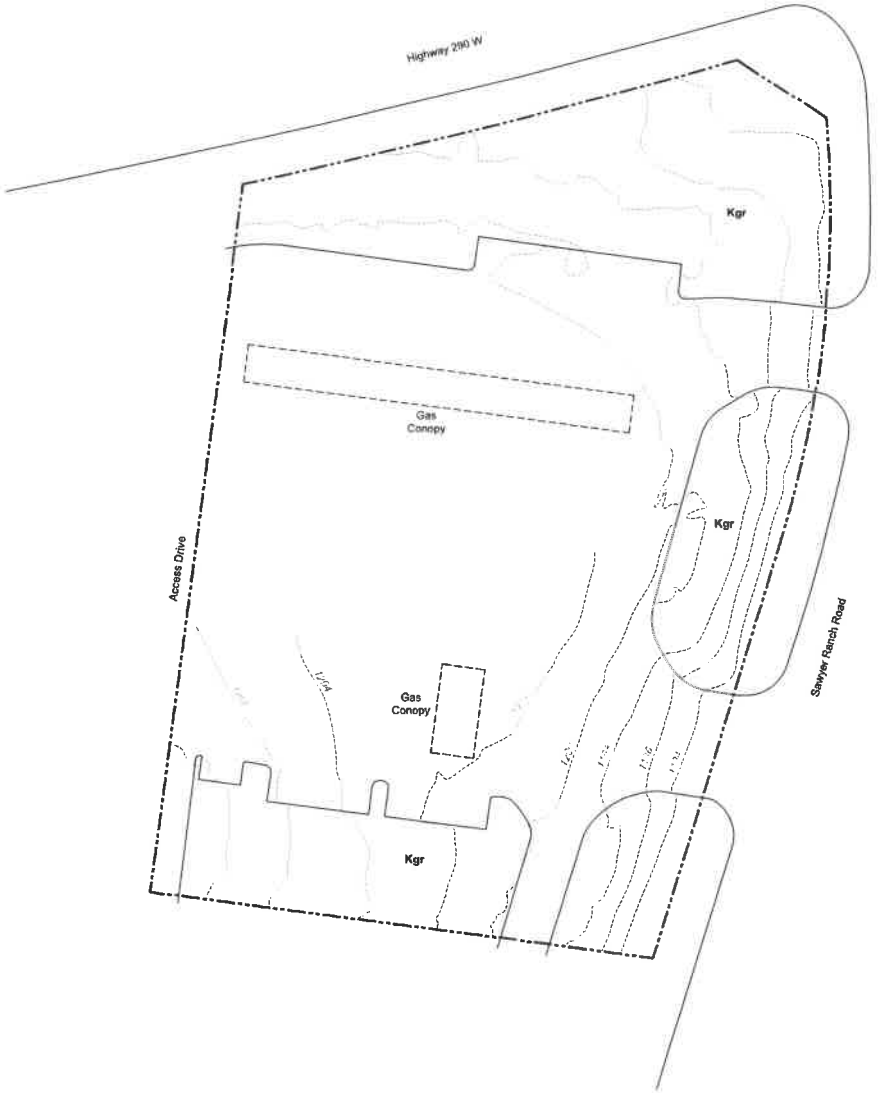
NATIONAL GEODETIC VERTICAL DATUM OF 1988

Signal Hill, Texas

2019

7.5 MINUTE SERIES (TOPOGRAPHIC)

Project Mngr: RF	Project No. 96237056	Terracon Consulting Engineers and Scientists	TOPOGRAPHIC MAP	EXHIBIT
Drawn By: ATX Drafting	Scale: AS SHOWN	5307 INDUSTRIAL OAKS BLVD. - #160 AUSTIN, TX 78735	Tesla - Dripping Springs Site	1
Checked By: RF	File No. 96237056	PH. (512) 442-1122 FAX (512) 442-1181	13810 Sawyer Ranch Road	
Approved By: RF	Date: Feb 06, 2023		Dripping Springs, Hays County, Texas	



N

30 0 15 30

APPROXIMATE SCALE IN FEET

LEGEND

Site Boundary

1200 Topographic Contours

Kgr Glen Rose Limestone

Project Mgr: RF	Project No: 96237056	Terracon Consulting Engineers and Scientists	SITE GEOLOGIC MAP	EXHIBIT
Drawn By: ATX Drafting	Scale: AS SHOWN	5710 INDUSTRIAL OAKS BLVD., #160 AUSTIN, TX 78735 PH (512) 465-7100 FAX (512) 465-7101	Tesla - Dripping Springs Site	2
Checked By: RF	File No. 96237056		13810 Sawyer Ranch Road Dripping Springs, Hays County, Texas	
Approved By: RF	Date: Feb 06, 2023			

Contributing Zone Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), Effective June 1, 1999

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

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

Signature

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

Print Name of Customer/Agent: Agent: GPD Group Professional Corporation - Attn: Sarah Honeycutt

Date: 05/02/2023

Signature of Customer/Agent:

Sarah Honeycutt

Regulated Entity Name: Valero Corner Store 1318 - Circle K Stores, Inc.

Project Information

1. County: Hays
2. Stream Basin: Onion Creek - Colorado River
3. Groundwater Conservation District (if applicable): _____
4. Customer (Applicant):

   Contact Person: Shayne Hastings
   Entity: Tesla, Inc.
   Mailing Address: 3500 Deer Creek Road
   City, State: Palo Alto, CA Zip: 94304
   Telephone: 512-539-7722 Fax: _____
   Email Address: shastings@tesla.com

5. Agent/Representative (If any):

Contact Person: Sarah Honeycutt
Entity: GPD Group Professional Corporation
Mailing Address: 520 S. Main Street, Suite 2531
City, State: Akron, OH Zip: 44311
Telephone: 330-572-3508 Fax: _____
Email Address: shoneycutt@gpdgroup.com

6. Project Location:

☒ The project site is located inside the city limits of Dripping Springs
☐ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
☐ The project site is not located within any city's limits or ETJ.

7. ☒ The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

13810 Sawyer Ranch Road, Dripping Springs, TX 78620

8. ☒ **Attachment A - Road Map**. A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.

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

☐ Project site boundaries.
☐ USGS Quadrangle Name(s).

10. ☒ **Attachment C - Project Narrative**. A detailed narrative description of the proposed project is attached. The project description is consistent throughout the application and contains, at a minimum, the following details:

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

11. Existing project site conditions are noted below:

☒ Existing commercial site
☐ Existing industrial site
☐ Existing residential site

☒ Existing paved and/or unpaved roads
☐ Undeveloped (Cleared)
☐ Undeveloped (Undisturbed/Not cleared)
☐ Other: _____

12. The type of project is:

☐ Residential: # of Lots: _____
☐ Residential: # of Living Unit Equivalents: _____
☐ Commercial
☐ Industrial
☒ Other: electric vehicle charging station

13. Total project area (size of site): 2.94 Acres

Total disturbed area: 0.03 Acres

14. Estimated projected population: _____

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

Table 1 - Impervious Cover

Impervious Cover of Proposed Project	*Sq. Ft.*	*Sq. Ft./Acre*	*Acres*
Structures/Rooftops	2,904	÷ 43,560 =	0.067
Parking	28,703	÷ 43,560 =	0.659
Other paved surfaces	N/A	÷ 43,560 =	N/A
Total Impervious Cover	230	÷ 43,560 =	0.731

Total Impervious Cover 0.731 **÷ Total Acreage** 2.94 **X 100 =** 24.9 **% Impervious Cover**

16. ☐ **Attachment D - Factors Affecting Surface Water Quality**. A detailed description of all factors that could affect surface water quality is attached. If applicable, this includes the location and description of any discharge associated with industrial activity other than construction.

17. ☒ Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

For Road Projects Only

Complete questions 18 - 23 if this application is exclusively for a road project.

☐ N/A

18. 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.

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

- ☐ Concrete
- ☐ Asphaltic concrete pavement
- ☐ Other: _____

20. Right of Way (R.O.W.):

Length of R.O.W.: _____ feet.
Width of R.O.W.: _____ feet.
L x W = _____Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

21. Pavement Area:

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

22. ☐ A rest stop will be included in this project.

☐ A rest stop will not be included in this project.

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

25. ☐ Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.

☒ N/A

26. Wastewater will be disposed of by:

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

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

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

☐ Sewage Collection System (Sewer Lines):

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

☐ Existing.
☐ Proposed.

☒ N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

Complete questions 27 - 33 if this project includes the installation of AST(s) with volume(s) greater than or equal to 500 gallons.

☒ N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

AST Number	*Size (Gallons)*	*Substance to be Stored*	*Tank Material*
1			
2			
3			
4			
5			

Total x 1.5 = _____ Gallons

28. ☐ The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than

one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

☐ **Attachment G - Alternative Secondary Containment Methods**. Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are attached.

29. Inside dimensions and capacity of containment structure(s):

Table 3 - Secondary Containment

Length (L)(Ft.)	*Width(W)(Ft.)*	*Height (H)(Ft.)*	*L x W x H = (Ft3)*	*Gallons*

Total: _____ Gallons

30. Piping:

☐ All piping, hoses, and dispensers will be located inside the containment structure.
☐ Some of the piping to dispensers or equipment will extend outside the containment structure.
☐ The piping will be aboveground
☐ The piping will be underground

31. ☐ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of: _____.

32. ☐ **Attachment H - AST Containment Structure Drawings**. A scaled drawing of the containment structure is attached that shows the following:

☐ Interior dimensions (length, width, depth and wall and floor thickness).
☐ Internal drainage to a point convenient for the collection of any spillage.
☐ Tanks clearly labeled
☐ Piping clearly labeled
☐ Dispenser clearly labeled

33. ☐ Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.

☐ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.

☐ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

Site Plan Requirements

Items 34 - 46 must be included on the Site Plan.

34. ☑ The Site Plan must have a minimum scale of 1" = 400'.

    Site Plan Scale: 1" = 30 '.

35. 100-year floodplain boundaries:

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

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

    The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA FLOOD PANEL 48209C0128F, DATED 9/2/2005

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

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

37. ☑ A drainage plan showing all paths of drainage from the site to surface streams.

38. ☑ The drainage patterns and approximate slopes anticipated after major grading activities.

39. ☑ Areas of soil disturbance and areas which will not be disturbed.

40. ☑ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

41. ☑ Locations where soil stabilization practices are expected to occur.

42. ☐ Surface waters (including wetlands).

    ☑ N/A

43. ☐ Locations where stormwater discharges to surface water.

    ☑ There will be no discharges to surface water.

44. ☐ Temporary aboveground storage tank facilities.

    ☑ Temporary aboveground storage tank facilities will not be located on this site.

45. ☐ Permanent aboveground storage tank facilities.

☑ Permanent aboveground storage tank facilities will not be located on this site.

46. ☑ Legal boundaries of the site are shown.

Permanent Best Management Practices (BMPs)

Practices and measures that will be used during and after construction is completed.

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

☐ N/A

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

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

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

☐ N/A

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

☐ N/A

50. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.

☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.

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

51. The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

    ☐ **Attachment I - 20% or Less Impervious Cover Waiver**. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.
    ☐ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
    ☑ The site will not be used for multi-family residential developments, schools, or small business sites.

52. ☑ **Attachment J - BMPs for Upgradient Stormwater**.

    ☐ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.
    ☐ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.
    ☑ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

53. ☑ **Attachment K - BMPs for On-site Stormwater**.

    ☑ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.
    ☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.

54. ☐ **Attachment L - BMPs for Surface Streams**. A description of the BMPs and measures that prevent pollutants from entering surface streams is attached.

    ☑ N/A

55. ☑ **Attachment M - Construction Plans**. Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are

attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

☐ N/A

56. ☑ **Attachment N - Inspection, Maintenance, Repair and Retrofit Plan**. A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:

    ☑ Prepared and certified by the engineer designing the permanent BMPs and measures
    ☐ Signed by the owner or responsible party
    ☐ Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.
    ☐ Contains a discussion of record keeping procedures

    ☐ N/A

57. ☐ **Attachment O - Pilot-Scale Field Testing Plan**. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.

    ☑ N/A

58. ☐ **Attachment P - Measures for Minimizing Surface Stream Contamination**. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that result in water quality degradation.

    ☑ N/A

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

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

60. ☑ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development,

or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

Administrative Information

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

62. ☑ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.

63. ☑ The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.

☑ The Temporary Stormwater Section (TCEQ-0602) is included with the application.

ATTACHMENT C

Project Narrative

The site is an existing convenience store and gas station on 2.94 acres± that appears to have been in operation for over 20 years. More recently the site appears to have been redeveloped and includes permanent water quality BMPs receiving runoff from 2 sub-basins.

The project proposes to retain the existing improvements from CZP-OEM (11-13042304) and add Electric Vehicle chargers and charging equipment. All chargers and equipment will be anchored to concrete foundations. Land disturbance will be limited to the installation of equipment and charging post concrete foundations. Demolition will be limited to the areas that require trenching to install electrical conduit. The trenches will be backfilled and returned to the existing condition to the maximum extent possible.

The "North" 1.74-acre basin will remain unchanged from the existing condition. The proposed development will be in the "South" 1.20-acre basin and convert approximately 0.005 acres of pervious open area to impervious concrete foundations. The runoff from the "South" basin is currently treated by a USAPark Stormtrooper AQ permanent water quality BMP. This device was designed under the more recent redevelopment. The additional pervious areas do not exceed the treatment area allowed in the original design. See sheet C-502 of the civil construction drawings for the original calculations and details of the existing permanent BMP. See Attachment K of the CZP Modification Application for calculations demonstrating compliance with the original design.

No changes to offsite flows onto or from the site are proposed as part of this development.

ATTACHMENT E

VOLUME AND CHARACTER STORMWATER

Attachment D – Surface Water Quality Impacts

AusTex Development I, Ltd. F-5636 Land Development + Engineering + Construction

P.O. Box 26523 Austin, TX 78755 (512)-698-7676

ENGINEER'S REPORT

SAWYER RANCH 33, Tract 1

LOT 1A

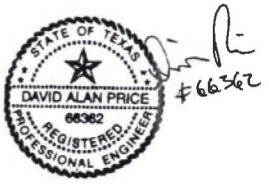
For Big Diamond, Inc./Valero

Surface Water Quality Impacts

October 1, 2012
TCEQ additions 03/15/13

Prepared by:

David Price, P.E.
Registered Professional Engineer
State of Texas No. 66362
DPrice@austexltd.com



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Factors that affect surface water quality include items during construction, and after construction, after which the site has been fully stabilized.

Potential Onsite Pollutant Sources, During Construction

See Part II, Section A, of General Permit for general categories of discharges allowed, and disallowed under Edward's Aquifer Protection Program.

The following items are expected to be discharged, during construction activities, into appropriated BMPs:

Concrete Wash Water – Will be disposed of into designated area (see Part V of General Permit for requirements).

Concrete Curing Compound – Used only during concrete placement. All excess removed from site.

Excavation Pump-out Water – This water shall be run into ditch that contains a series of silt fence and rock berm to capture silt, which will be cleaned regularly. Where possible, this will be pumped onto grass/vegetation at the site. The potential for TSS is high during these activities, and erosion control measures are included to capture these items.

Fertilizers – Prohibited by plan. If hydromulch is used for grass areas, the initial application does contain some fertilizer, which should not be applied if rain is expected within 24 hours of application.

Petroleum based products (Fuel, Oil, Grease) – These shall only be hauled to site for construction equipment on an as-needed basis. None of these products will be stored onsite in temporary containers.

Silt from onsite operations – this will be trapped by temporary erosion controls, and the potential is high during periods of rainfall, and proper inspection and maintenance of BMPs is important, per the SW3P. Disturbed areas will be restored promptly, and any area undisturbed for more than 2 weeks, without activity, will be temporarily seeded for erosion control, per SW3P. Water will be used to control dust on the site, to minimize silt runoff.

Onsite Trash – This will be collected daily, and placed in temporary dumpsters for this purpose, that are serviced regularly.

Pesticides – are not allowed on the site, and not allowed, per IPM plan.

Lead based paints – use is not likely.

Stains/Paints – These items will be used in the building construction. All containers will be kept properly stored, and no cleaning runoff is allowed at the site.

Solvents – Use is unlikely. There will be some used in paint brush cleaning, but these will be properly disposed of offsite.

Chloro-flourocarbons – Use is not likely at the site.

Pipe/Joint lubricants – Will be used minimally onsite, in fitting up of piping systems for building. These lubricants will be properly contained, and absorbents will be used for drips, with proper disposal of same.

Revegetated areas will require the application of fertilizer, to initially establish growth. If used, application immediately preceding a rain event will be avoided as practicable. Long term use is not allowed.

Related Activity, of site, utility, OSSF, and building construction are covered under this permit, as long as they are directly related to this site. Such activity must not be done beyond the Notice of Termination date.

Related activity expected offsite includes:

- Offsite disposal area (on Sawyer Ranch 33 detention facility site, located 400 feet away from west site boundary).
- Offsite equipment staging area, located immediately adjacent to the site.
- Joint access easement, located immediately west of the site, and adjoining US 290.
- Temporary Stabilized construction entrances, located immediately west of the site on US 290, and immediately south of the site, off of Sawyer Ranch Road.

There are no industrial discharges from the site.

Post-Construction Potential Impacts

Care should be exercised by the manager of the facility, as there is some potential for impacting surface water quality if the site is not properly maintained.

The discharge of the storm water from the Permanent BMPs must be monitored, to ensure that no stream scouring is occurring. Corrective action must be immediately taken should such scouring be noticed.

The sale of **petroleum products** is probably one of the more important things to monitor. All spills must be immediately cleaned, with absorbent used, with the soiled product properly disposed of off-site.

The TSS and related pollutants are treated in the central detention/filtration facility (for a small portion of the site, i.e. the west approach drive), as well as site-specific proprietary products (e.g. StormTrooper units). Should these items not be properly maintained, there could be an issue with bypass flows through/over the products. However, with proper maintenance and inspections, potential impacts can be mitigated. The Storm Trooper Units have a Maintenance Agreement in force for proper and timely maintenance.

Other potential items are the improper maintenance of the proposed OSSF. The system is designed with aerobic treatment, and there is continuous electronic monitoring, so this issue should be of low potential.

The site has an Integrated Pest Management (IPM) plan in place, to reduce the possibility of pesticides entering the storm runoff from the site. Similarly, chemical fertilizers, such as those used on lawns, are not to be used on the site.

The above issues should be mitigated by periodic inspections by the service provider to the ponds/products. Additionally, the City of Dripping Springs has some legal means to enforce proper management of such facilities.

Attachment E – Volume and Character of Stormwater

AusTex Development I, Ltd. F-5636 Land Development + Engineering + Construction

P.O. Box 26523 Austin, TX 78755 (512)-698-7676

ENGINEER'S REPORT

SAWYER RANCH 33

TRACTS 1, Lot 1A
13810 Sawyer Ranch Rd.,
Dripping Springs, TX 78620

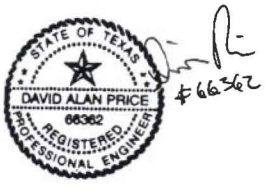
Stormwater Quantity/Quality

For Big Diamond, Inc./Valero Retail Holdings

October 1, 2012
TCEQ additions 12/31/12

Prepared by:

David Price, P.E.
Registered Professional Engineer
State of Texas No. 66362
DPrice@austexltd.com



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The existing site is an old ranch site. The existing ground has very poor vegetation, has many bare areas of rock showing, but is well drained. The soils are shallow to non-existent.

The site generally has two existing drainage areas; approximately 2/3 of the site drains northward down an existing swale, and underneath US 290. The other portion of the site drains eastward to a bar-ditch on Sawyer Ranch Road.

There exists 58 acres of existing offsite flows draining through the site. These flows originate from large tract residential lots, and they are fully developed. These flows do not come through the Big Diamond, Inc./Valero Site.

The plans for the site are impervious cover up to 65.4% on the Valero/Big Diamond, Inc. site., as allowed by the City of Dripping Springs. The detention and filtration facility was sized for ultimate 60% build-out, with an as yet unknown character of development. Currently, only one tract has been sold, and that tract will be a convenience store (Valero).

Due to site drainage, the most NE tract (Valero) could not make their site drain toward the pond. Separate drainage calculations were done for this site (enclosed). The City of Dripping Springs approved a "net runoff" approach, whereby the total drainage leaving the site after development, with 2 outfalls, does not exceed pre-development conditions. Similarly, the City of Dripping Springs approved a net pollutant load under the same scenario, allowing the filtration basis to be sized for the entire site.

Upon preliminary review, TCEQ wanted the Valero site to have a separate method to treat the TSS, etc. loads, so the Valero site was also analyzed as a "stand alone" site, done with supplemental calculations (attached). The overall site, however, was left alone, in terms of drainage and pond sizing, allowing a potential for future owners to exceed the 60% impervious cover, as there exists excess treatment capacity in the pond, with a larger than required sand bed.

The Valero site will use a StormTrooper system, approved by TCEQ. The calculations for this system are attached.

Overall, the site filtration basin and the StormTrooper system will achieve the pollutant load removals required by TCEQ. Spreadsheets of each setup are attached.

In terms of quality, the USDA WinTR-55 and TR20 programs were used to analyze flow conditions on the site.

For pollutant loads, the TCEQ RG348, and supplement, were used to calculate pollutant load calculations, along with data from the City of Austin Drainage Criteria Manual.

The pond will have a maintenance agreement, as specified to the Owner (Sawyer-Cleveland Partnership), along with use of an Integrated Pest Management Plan, and Fertilizer Plan for the entire site. Similarly, this specific site has an IPM, Fertilizer Plan, as well as scheduled maintenance and operation of the StormTrooper devices.

WinTR-55 Current Data Description

--- Identification Data ---

User: DP
Project: Valero Existing Site
SubTitle: Valero Tract Only
State: Texas
County: Hays
Filename: N:\ProjectFiles\Valero\Sawyer\ExistFlow_ValeroOnly.w55

Date: 4/5/2013
Units: English
Areal Units: Acres

--- Sub-Area Data ---

Name	Description	Reach	Area(ac)	RCN	Tc
Tract 1	Existing	Outlet	2.94	86	.141

Total area: 2.94 (ac)

--- Storm Data --

Rainfall Depth by Rainfall Return Period

2-Yr (in)	5-Yr (in)	10-Yr (in)	25-Yr (in)	50-Yr (in)	100-Yr (in)	1-Yr (in)
4.0	5.5	6.6	7.8	8.8	10.0	3.15

Storm Data Source: User-provided custom storm data
Rainfall Distribution Type: Type II
Dimensionless Unit Hydrograph: <standard>

DP

Valero Existing Site
Valero Tract Only
Hays County, Texas

Storm Data

Rainfall Depth by Rainfall Return Period

2-Yr (in)	5-Yr (in)	10-Yr (in)	25-Yr (in)	50-Yr (in)	100-Yr (in)	1-Yr (in)
4.0	5.5	6.6	7.8	8.8	10.0	3.15

Storm Data Source: User-provided custom storm data
Rainfall Distribution Type: Type II
Dimensionless Unit Hydrograph: <standard>

DP

Valero Existing Site
Valero Tract Only
Hays County, Texas

Watershed Peak Table

Sub-Area or Reach Identifier	2-Yr ANALYSIS: (cfs)	Peak Flow by Rainfall Return Period 5-Yr (cfs)	10-Yr (cfs)	25-Yr (cfs)	100-Yr (cfs)	1-Yr (cfs)
SUBAREAS						
Tract 1	10.67	16.25	20.34	24.80	32.91	7.56
REACHES						
OUTLET	10.67	16.25	20.34	24.80	32.91	7.56

DP

Valero Existing Site
Valero Tract Only
Hays County, Texas

24R

Hydrograph Peak/Peak Time Table

Sub-Area or Reach Identifier	Peak Flow and Peak Time (hr) by Rainfall Return Period ANALYSIS:	5-Yr	10-Yr	25-Yr	100-Yr	1-Yr
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
	(hr)	(hr)	(hr)	(hr)	(hr)	(hr)
SUBAREAS						
Tract 1	10.67	16.25	20.34	24.80	32.91	7.56
	11.95	11.95	11.96	11.95	11.95	11.96
REACHES						
OUTLET	10.67	16.25	20.34	24.80	32.91	7.56

DP

Valero Existing Site
Valero Tract Only
Hays County, Texas

Sub-Area Summary Table

Sub-Area Identifier	Drainage Area (ac)	Time of Concentration (hr)	Curve Number	Receiving Reach	Sub-Area Description
Tract 1	2.94	0.141	86	Outlet	Existing

Total Area: 2.94 (ac)

DP

Valero Existing Site
Valero Tract Only
Hays County, Texas

Sub-Area Time of Concentration Details

Sub-Area Identifier/	Flow Length (ft)	Slope (ft/ft)	Mannings's n	End Area (sq ft)	Wetted Perimeter (ft)	Velocity (ft/sec)	Travel Time (hr)
Tract 1							
SHEET	100	0.0380	0.150				0.113
SHALLOW	313	0.0380	0.050				0.028
						Time of Concentration	.141

DP

Valero Existing Site
Valero Tract Only
Hays County, Texas

Sub-Area Land Use and Curve Number Details

Sub-Area Identifier	Land Use	Hydrologic Soil Group	Sub-Area Area (ac)	Curve Number
Tract 1	Pasture, grassland or range (poor)	C	2.94	86
	Total Area / Weighted Curve Number		2.94	86

DP

Valero Developed Site
Valero Tract Only
Hays County, Texas

Watershed Peak Table

Sub-Area or Reach Identifier	24R ANALYSIS: (cfs)	Peak Flow by Rainfall Return Period 5-Yr (cfs)	10-Yr (cfs)	25-Yr (cfs)	100-Yr (cfs)	1-Yr (cfs)
SUBAREAS						
Tract 1	12.01	17.58	21.62	26.03	34.00	8.84
REACHES						
OUTLET	12.01	17.58	21.62	26.03	34.00	8.84

Texas Commission on Environmental Quality
TSS Required Load Reduction Calculations

Project Name: Valero Corner Store 1318
Project Location: Dripping Springs, TX
Date Prepared: 12/14/2012
Prepared By: Kyle L. Worrell, P.E.

Lm = 27.2(AN x P)
where: Lm = Required TSS removal
An = Net increase in impervious area for site
P = Average annual precipitation, inches

Site Data:

County =	Hays	
Stormwater Quality Structure =	Wet Vault	
Total site area =	2.94	acres
Predevelopment impervious area =	0.00	acres
Post-development impervious area =	1.92	acres
Postdevelopment impervious fraction	65%	
P =	33	inches

STORMTROOPER			
Model	S.A.	By-Pass	E.A. @ 80%
5	100	420	< 0.13
10	149	600	0.14 - 0.20
20	248	1000	0.21 - 0.33
25	369	1440	0.34 - 0.50
40	588	2250	0.51 - 0.79
70	730	2720	0.80 - 0.98
110	913	4000	0.99 - 1.23

Lm = **1725** lbs. Total Project Required Removal

Drainage Basin	Area	Total Area	Impervious Cover	Impervious Area	Runoff Coef. (C)	Pervious Area	Runoff Coef. (C)	Composite Runoff Coef. (C)	Effective Area	Intensity (I)	Calculated Flow (Q)	Required Pollutant Removal	StormTrooper Model	Unit Surface Area	By-Pass Flowrate	Intensity Treated	Fraction of Flow Treated (F)	F/0.9	Overflow Rate (ft/s)	Removal Effeciency	Actual Effeciency	Load Reduction (L_R)
	[ID]	[ac]	[%]	[ac]		[ac]			[ac]	[in/hr]	[cfs]	L_m in [lbs]	#	(sf)	(cfs)	[in/hr]	[Figure 3-11]		[Figure 3-10]			(lbs)
North	1	1.74	65.4%	1.14	0.9	0.60	0.03	0.60	1.04	1.1	1.15	1021	110	913	8.91	1.10	0.90	1.00	1.26E-03	80%	80%	1048
South	2	1.20	65.4%	0.78	0.9	0.42	0.03	0.60	0.72	1.1	0.79	704	40	588	5.01	1.10	0.90	1.00	1.35E-03	80%	80%	723
		2.94																				

Total TSS Removed by BMP's Annually = 1771
L_m (Required TSS Removal in lbs) = 1725
Surplus / Deficit L_m = 46
Sufficient Removal = Yes

Texas Commission on Environmental Quality
TSS Removal Calculations

AREA 1	DRAINAGE BASIN North

TOTAL SITE DETAILS

Project Name: Valero Corner Store 1318
Project Location: Dripping Springs, TX
Date Prepared: 12/14/2012
Prepared By: Kyle L. Worrell, P.E.
Total Project Area to be Treated = 2.94
Pre-Development Impervious Area = 0.00
Post-Development Impervious Area = 1.92
Composite Run-Off Coefficient = 0.65
Required TSS Removal L_m = 1725
County = Hays

STEP ONE: Required TSS Removal

EQUATION 3.3

$L_m = 27.2(A_n \times P)$

L_m = Required TSS Removal (pounds)

A_n = Net Increase in Impervius Area (acres)

P = Average Annual Precipitation (inches)

Drainage Basin =	1.74	Acres
A_n =	1.14	Acres
A_p =	0.60	Acres
P =	33	Inches
L_m =	1021	Lbs

STEP TWO: Select an Appropriate BMP

STORMTROOPER	
Model	**E.A. @ 80%**
5	< 0.13
10	0.14 - 0.20
20	0.21 - 0.33
25	0.34 - 0.50
40	0.51 - 0.79
70	0.80 - 0.98
110	0.99 - 1.23

Effective Area =	1.04	EA = (Ai x 0.9) + (Ap x 0.03)
StormTrooper SWAQ_	110	
Unit Surface Area =	913	Sq. Ft.

EQUATION 3.4

Q = CiA, where:

C =	0.60	Composite Run-Off Coefficient
i =	1.10	Stormwater Quality Intensity
A =	1.74	Drainage Basin Acreage
Q =	1.15	Required Treatment Flow

EQUATION 3.5

V_{OR} = Q/A, where:

Q =	1.15	Required Treatment Flow
A =	913	Unit Surface Area
V_{OR} =	1.26E-03	Overflow Rate
BMP Effeciency =	80%	

STEP THREE: Calculate Fraction of Annual Runoff to be Treated

Unit By-Pass Flowrate =	8.91	cfs
Treated Intensity =	1.10	in/hr
Annual Volume Treated =	90%	Volume of Run-Off Entering Unit
Treatment Reduction =	1.00	BMP Effeciency Reduction Factor
Actual BMP Effeciency =	80%	

STEP FOUR: Calculate TSS Load Removed by BMPs

EQUATION 3.8

$L_r = (\text{BMP Efficiency}) \times P \times (A_i \times 34.6 + A_p \times 0.54)$

L_r = Load Removed by BMP

BMP Efficiency = TSS Removal Efficiency

A_i = Impervious Tributary Area to the BMP (ac)

A_p = Pervious Tributary Area to the BMP (ac)

A_i = 1.14

A_p = 0.60

L_r = 1048 lbs

Texas Commission on Environmental Quality
TSS Removal Calculations

AREA 2	DRAINAGE BASIN South

TOTAL SITE DETAILS

Project Name: Valero Corner Store 1318
Project Location: Dripping Springs, TX
Date Prepared: 12/14/2012
Prepared By: Kyle L. Worrell, P.E.
Total Project Area to be Treated = 2.94
Pre-Development Impervious Area = 0.00
Post-Development Impervious Area = 1.92
Composite Run-Off Coefficient = 0.65
Required TSS Removal L_m = 1725
County = Hays

STEP ONE: Required TSS Removal

EQUATION 3.3
$L_m = 27.2(A_n \times P)$
L_m = Required TSS Removal (pounds)
A_n = Net Increase in Impervius Area (acres)
P = Average Annual Precipitation (inches)

Drainage Basin =	1.20	Acres
A_n =	0.78	Acres
A_p =	0.42	Acres
P =	33	Inches
L_m =	704	Lbs

STEP TWO: Select an Appropriate BMP

Effective Area =	0.72	EA = (Ai x 0.9) + (Ap x 0.03
StormTrooper SWAQ_	40	
Unit Surface Area =	588	Sq. Ft.

STORMTROOPER	
Model	**E.A. @ 80%**
5	< 0.13
10	0.14 - 0.20
20	0.21 - 0.33
25	0.34 - 0.50
40	0.51 - 0.79
70	0.80 - 0.98
110	0.99 - 1.23

EQUATION 3.4
Q = CiA, where:

C =	0.60	Composite Run-Off Coefficient
i =	1.10	Stormwater Quality Intensity
A =	1.20	Drainage Basin Acreage
Q =	0.79	Required Treatment Flow

EQUATION 3.5
V_{OR} = Q/A, where:

Q =	0.79	Required Treatment Flow
A =	588	Unit Surface Area
V_{OR} =	1.35E-03	Overflow Rate
BMP Effeciency =	80%	

STEP THREE: Calculate Fraction of Annual Runoff to be Treated

Unit By-Pass Flowrate =	5.01	cfs
Treated Intensity =	1.10	in/hr
Annual Volume Treated =	90%	Volume of Run-Off Entering Unit
Treatment Reduction =	1.00	BMP Effeciency Reduction Factor
Actual BMP Effeciency =	80%	

STEP FOUR: Calculate TSS Load Removed by BMPs

EQUATION 3.8
$L_r = (\text{BMP Efficiency}) \times P \times (A_I \times 34.6 + A_p \times 0.54)$
L_r = Load Removed by BMP
BMP Efficiency = TSS Removal Efficiency
A_I = Impervious Tributary Area to the BMP (ac
A_p = Pervious Tributary Area to the BMP (ac

A_I = 0.78
A_p = 0.42

L_r = 723 lbs

ATTACHMENT J

BMPs for Upgradient Stormwater

The site generally slopes from west to east. The tract west of the “South” basin drains to bio-retention area that effectively eliminates the upgradient flow onto this property.

ATTACHMENT K

BMPs for On-site Stormwater

Two permanent BMP devices were proposed as a part of the overall development, CZP-OEM (11-13042304). The "South" basin which contains the proposed construction is served by a Stormtrooper AQ water quality device by ParkUSA. See construction plans for details and calculations.

The post development condition will maintain drainage of the proposed development to the "South" Basin Stormtrooper.

The original design proposed 1.20 acres in this basin, of which 0.78 acres was to be impervious.

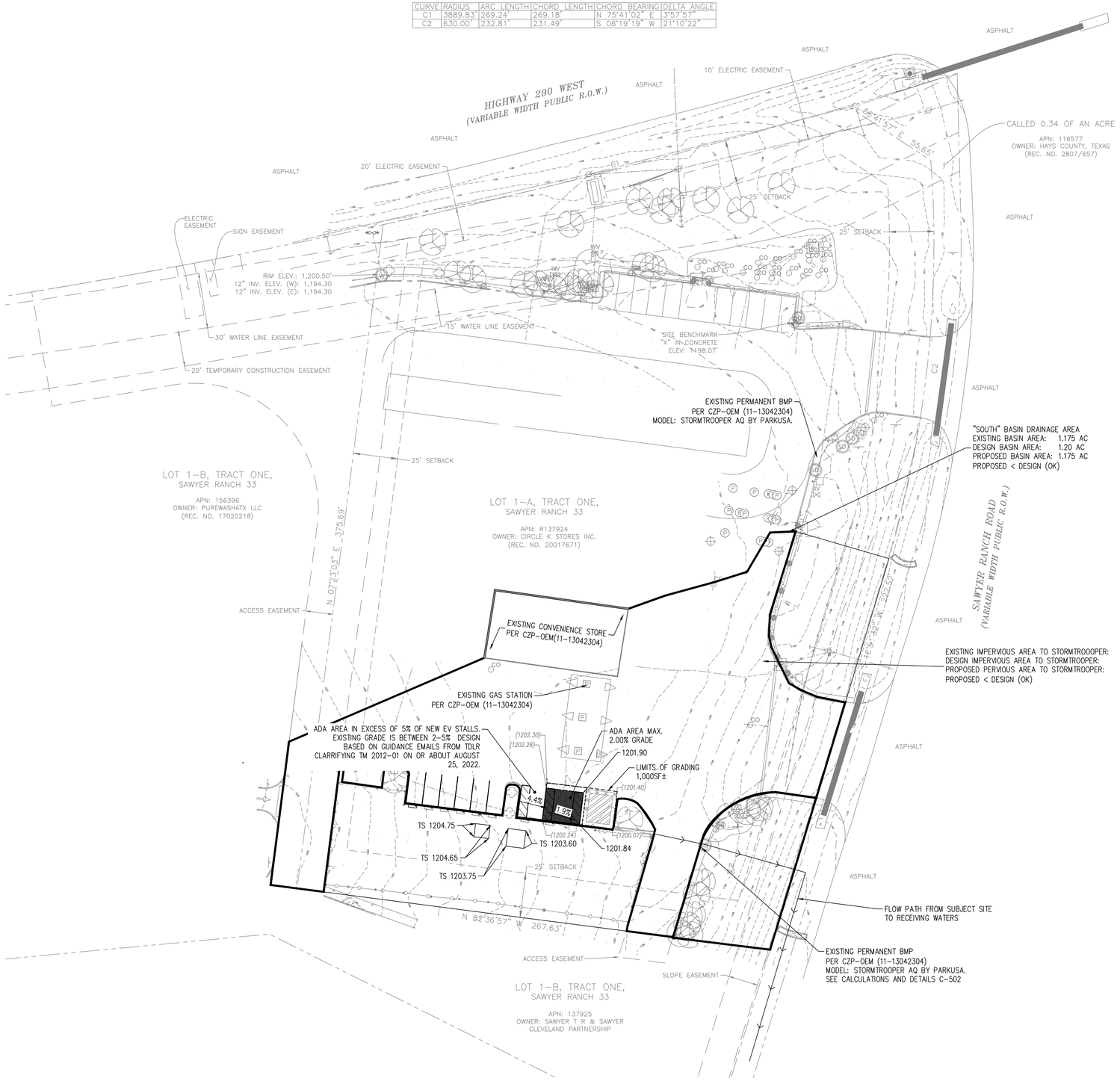
The existing conditions from the survey show approximately 1.175 acres within the "South" basin, of which 0.726 ac is impervious.

The proposed construction would not alter the basin areas but would convert 0.005 AC of pervious area to impervious. This will result in a proposed condition of a 1.175 acre basin, of which 0.731 acres area impervious.

Since the total allowable area, the total impervious area, and the ratio of impervious to pervious are all less than the design values, it appears the proposed development would remain in compliance with the original design.

ATTACHMENT M

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	3889.83'	269.24'	269.18'	N 75°41'02" E	3°57'57"
C2	630.00'	232.81'	231.49'	S 06°19'19" W	21°10'22"



LEGEND

EXISTING	TEXT STYLE	PROPOSED
×(99)	SPOT ELEVATION AT GRADE	×100
85	CONTOUR MAJOR	60
84	CONTOUR MINOR	59
	PROPERTY LINE	
	FENCELINE	
	TREELINE	
	EDGE OF WATER	
	EDGE OF ROADWAY	
	ROADWAY HATCH	
	UNDERGROUND WATERLINE	
	ELECTRICAL CONDUIT	
	ELECTRICAL EQUIPMENT	
	LIMIT OF DISTURBANCE	LOD
	18" SILT FENCE	SF
	COMPOST FILTER SOCK	

DEFINITION

AC	ACRE
BC	BOTTOM OF CURB
BW	BOTTOM OF WALL
CF	CUBIC FEET
CO	CLEAN OUT
CY	CUBIC YARD
E	EASTING
EX	EXISTING
ES	EROSION AND SEDIMENT CONTROL
FNE	FIELD NETWORK ENCLOSURE
INV	INVERT
KV	KILOVOLT
LF	LINEAR FOOT
LP	LIGHT POLE
MAX	MAXIMUM
MIN	MINIMUM
O.C.	ON CENTER
N	NORTHING
R/W	RIGHT OF WAY
TC	TOP OF CURB
TS	TOP OF SLAB
TW	TOP OF WALL
TYP	TYPICAL

FLOOD ZONE INFORMATION

NO PART OF THE PROJECT SITE IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN.
THE ENTIRETY OF THE SITE LIES WITHIN ZONE "X", AREA OF MINIMAL FLOOD HAZARD.
100-YEAR FLOODPLAIN BOUNDARIES ARE BASED ON FEMA FLOOD PANEL 48209C0128F, DATED 9/2/2005

NOTES TO CONTRACTOR:

BARE SOILS SHOULD BE SEEDED OR OTHERWISE STABILIZED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE THAN 21 DAYS.

GRID NORTH

0 30' 60'

DIGALERT
800-227-2600
Call 2 Full Working Days In Advance

TESLA

3500 DEER CREEK RD.
PALO ALTO, CA 94304
(650) 681-5000

ORIGINAL SIZE 24"X36"
SHEET SIZE ARCH "D"

0 1/2" 1"

TESLA INC. - TBPE #F 15337

REGISTERED PROFESSIONAL ENGINEER
MICHAEL P. HENDERSON
C 93101
CIVIL
STATE OF CALIFORNIA

04/25/2023

TESLA SUPERCHARGER_DRIPPING SPRINGS
8 SUPERCHARGERS
13810 SAWYER RANCH RD, DRIPPING SPRINGS
TX 78620, USA

NO.	REVISION	DATE
A	SURVEY UPDATE	03/06/23

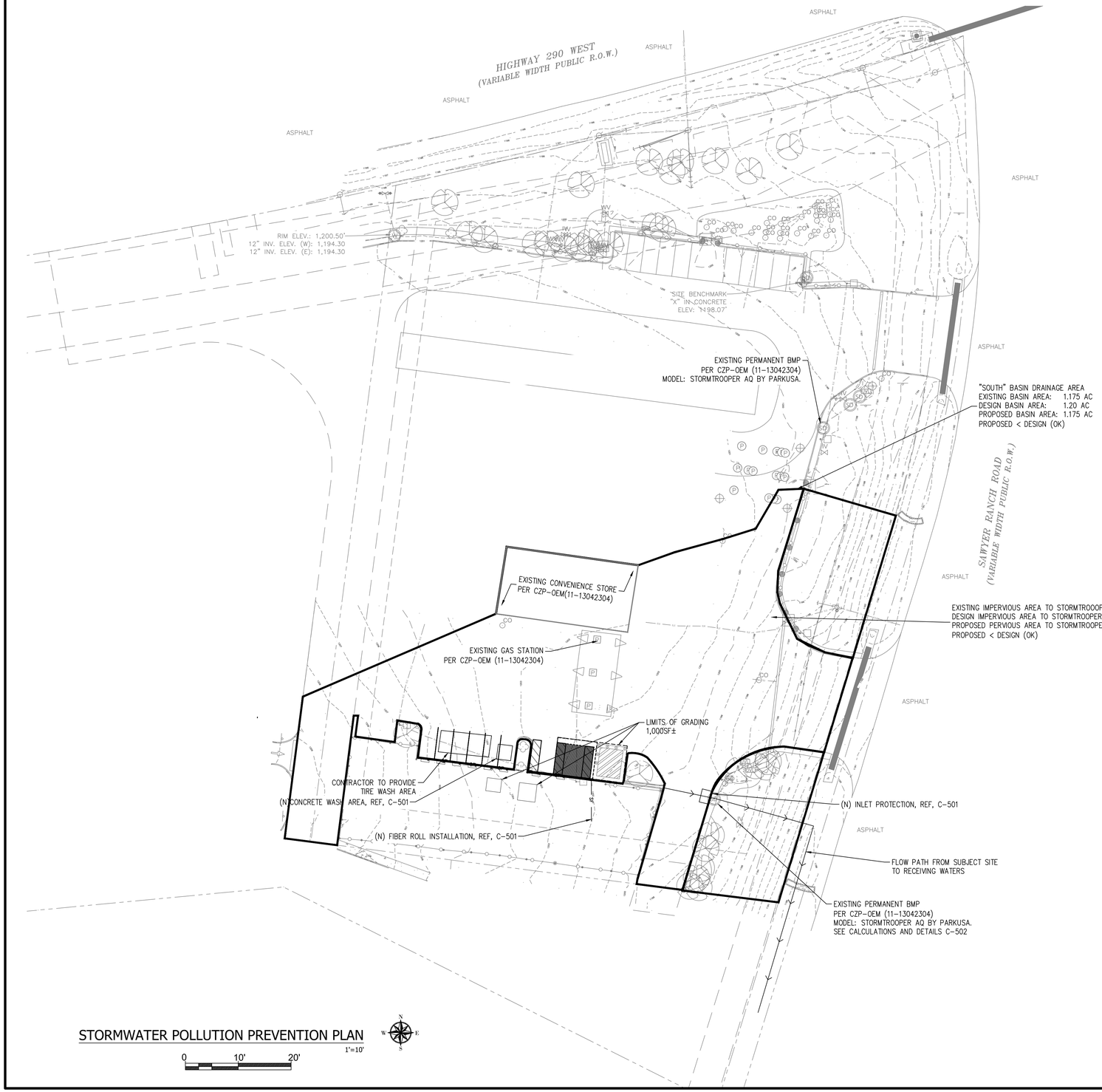
SITE AND GRADING PLAN

C-101

JB-7863741-00

REV: A | IFP

PLOT DATE: 4/25/2023 3:09 PM MIHENDERSON



STORMWATER POLLUTION PREVENTION PLAN

1"=10'

0 10' 20'

LEGEND

- FLOW OF WATER
- SF — SILT FENCE
- FLOW OF WATER
- SF — SE-5 GRAVEL CORE FIBER ROLLS

STORMWATER POLLUTION CONTROL MEASURES

NS-3	PAVING AND GRINDING OPERATIONS
SE-5	GRAVEL CORE FIBER ROLLS
SE-7	STREET SWEEPING AND VACUUMING
TC-1	STABILIZED CONSTRUCTION ENTRANCE & EXIT
WM-1	MATERIAL LAY-DOWN AREA, PROTECTED BY POLYETHYLENE SHEETING
WM-3	SOIL SOTCK-PILE AREA, PROTECTED BY POLYETHYLENE SHEETING AND FIBER ROLLS

NOTES:

1. BARE SOILS SHOULD BE SEEDED OR OTHERWISE STABILIZED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE THAN 21 DAYS.

REPORTABLE QUANTITIES FOR SPILLS:

- HAZARDOUS SUBSTANCES - SPILLED ONTO LAND - SEE "FINAL RQ" IN TABLE 302.4 TITLE 40 CFR
- PETROLEUM PRODUCT, USED OIL - SPILLED ONTO LAND BY NON-EXEMPT PST FACILITY - 25 GALLONS
- FROM PETROLEUM STORAGE TANKS, UNDERGROUND OR ABOVEGROUND - INTO WATER - ENOUGH TO CREATE A SHEEN.

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0 ½" 1"

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STATE OF CALIFORNIA

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TX 78620, USA

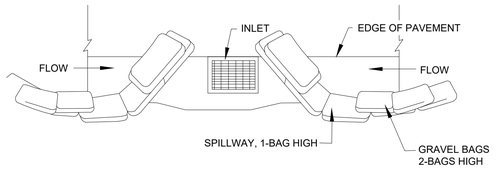
NO.	REVISION	DATE
A	SURVEY UPDATE	03/06/23

SWPPP

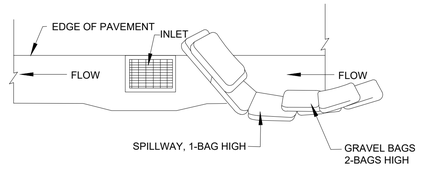
C-102

JB-7863741-00

REV: A | IFP



TYPICAL PROTECTION FOR INLET ON SUMP

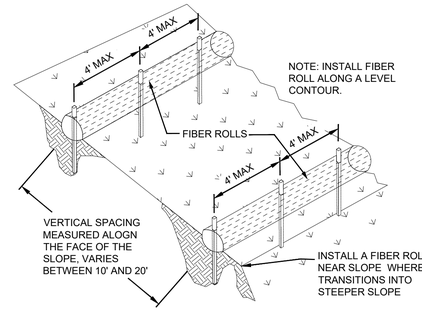


TYPICAL PROTECTION FOR INLET ON GRADE

NOTES:
1. INTENDED FOR SHORT-TERM USE.
2. USED TO INHIBIT NON-STORM WATER FLOW.
3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED
5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.
6. PROTECTION CAN BE EFFECTIVE EVEN IF IT IS NOT IMMEDIATELY ADJACENT TO THE INLET PROVIDED THAT THE INLET IS PROTECTED FROM POTENTIAL SOURCES OF POLLUTION.

DRAIN INLET PROTECTION DETAIL

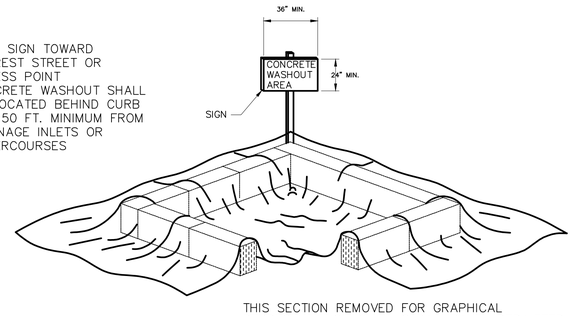
N.T.S



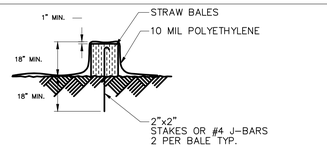
TYPICAL FIBER ROLL INSTALATION

N.T.S

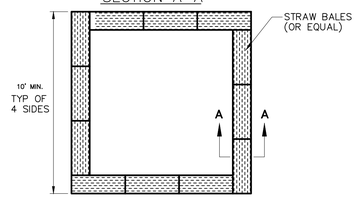
NOTES:
1. FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT
2. CONCRETE WASHOUT SHALL BE LOCATED BEHIND CURB AND 50 FT. MINIMUM FROM DRAINAGE INLETS OR WATERCOURSES



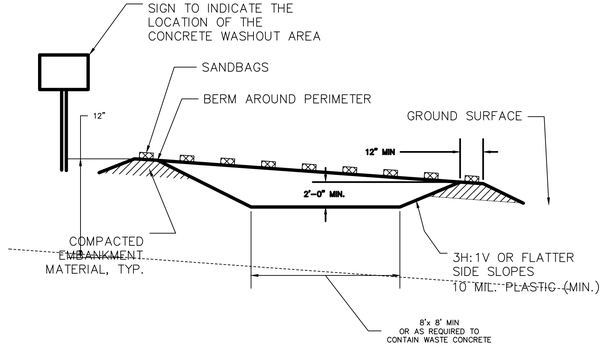
THIS SECTION REMOVED FOR GRAPHICAL REPRESENTATION ONLY. STRAW BALE PERIMETER SHALL BE CONTINUOUS.



SECTION A–A



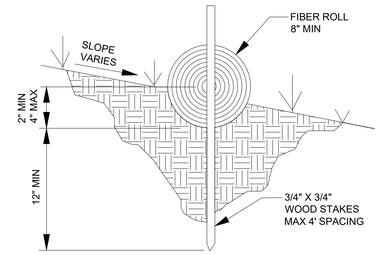
BALE CONFIGURATION



NOTES:
1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. VEHICLE TRACKING CONTROL (DETAIL SW–14) IS REQUIRED IF ACCESS TO CONCRETE WASHOUT AREA IS OFF PAVEMENT.
3. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
4. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
5. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE.
6. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER ACCEPTED BY THE CITY
7. CONTRACTOR MAY PROVIDE SUBMITTAL FOR WASHOUT DEVICE.

CONCRETE WASH OUT AREA

N.T.S.



ENTRENCHMENT DETAIL

N.T.S

TESLA
3500 DEER CREEK RD.
PALO ALTO, CA 94304
(650) 681-5000

ORIGINAL SIZE 24"X36"
SHEET SIZE ARCH "D"

0 1/2" 1"

TESLA INC. - TBPE #F 15337

TESLA SUPERCHARGER_DRIPPING SPRINGS
8 SUPERCHARGERS
13810 SAWYER RANCH RD, DRIPPING SPRINGS
TX 78620, USA

NO.	REVISION	DATE
A	SURVEY UPDATE	03/06/23

CIVIL DETAILS

C-501

JB-7863741-00

REV: A | IFP

Recommended Maintenance Plan

Edwards Aquifer Region

1.0 Inspection Schedule

- A preventative maintenance cleanout schedule is the most valuable tool for maintaining the proper operation of Park StormTrooper™. Interceptor maintenance costs will be greatly reduced if a good housekeeping plan for the property is developed i.e., trash pickup, lawn maintenance, dumpster control, etc.
- Park StormTrooper™ interceptors have no moving parts. The manufacturer recommends ongoing quarterly inspections for accumulated pollutants. Pollutant accumulation may vary from year to year. Quarterly inspections ensure that the system is serviced at appropriate times. **Owner must observe site conditions and determine whether or not pollutant loads require a more frequent inspection schedule.** Table 1 lists recommended maximum capacities of oil and sediment. Professional vacuum services should be considered when capacities meet or exceed these recommended levels.

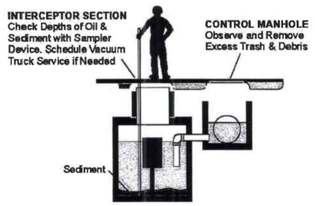
Table 1. StormTrooper™ Maintenance Levels

Model Number	Oil Depth	Sediment Depth
SWAQ-05	12"	12"
SWAQ-10	12"	12"
SWAQ-20	12"	12"
SWAQ-25	12"	12"
SWAQ-40	12"	12"
SWAQ-70	12"	12"
SWAQ-110	12"	12"

It is very important to keep a record of each inspection; therefore, an inspection and maintenance form has been attached for your use.

2.0 Inspection Procedures

- Easiest observation and maintenance is best accomplished during non-flow (dry weather) conditions, 5-7 days after the most recent rain.
- Remove interceptor covers or open hatchway to observe conditions. Remove hatchway safety net ("EnterNet"), if installed. Observe for trash and debris and remove if necessary. This is the most important maintenance requirement.
- Coalescing plates are self-cleaning and seldom require maintenance unless damaged. Do not walk on or stand on plate packs. Call ParkUSA (888-611-PARK) for replacement parts.
- Check of the depth (level) of oil and sediment with a tank sampler device designed for this purpose. The tank sampler requires a dipstick tube equipped with a ball valve (typically a Sludge Judge® or Core Pro®).
- Make sure the dipstick tube goes completely to the bottom. Lift the dipstick tube out of the unit and keep it in a vertical position and read the level of sediment and oils from the gauge on the dipstick. Record pollutant levels on your StormTrooper™ Monitoring / Maintenance Report. If either pollutant(s) in the dipstick tube (sediments or oils) exceed the levels indicated on Table 1, maintenance of the StormTrooper™ is required. Upon completing the recording of pollutant levels, the dipstick tube is then drained back into the inlet side of the StormTrooper™. This ensures that the pollutants in the dipstick tube do not leave the unit.

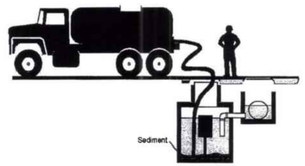


3.0 Maintenance Procedures

- Park Environmental Equipment, manufacturers of StormTrooper™, recommends that a professional pumping contractor licensed to remove and dispose waste from underground utilities be used to pump out the interceptor.
- Pull all manhole covers. Be sure all sections of the interceptor are cleaned. **If a control/bypass manhole is part of the system, it should be inspected and serviced with the interceptor.**
- If the coalescing media option is utilized, visually inspected the plates for any heavy build-up of oil, grease or sludge. Typically, the plates are self-cleaning and require little maintenance. If buildup of material is evident, either remove the media from the frame or clean the plate pack in place. Removing media is accomplished by attaching a lifting device in the lifting lug provided (top center of the frame), and then pull straight up. Media plates may be cleaned in place with special steam cleaning nozzle attachment that provides a flat spray.
- **Facet's MPak® plates are designed to be cleaned in place using a special cleaning wand and city water pressure.** The wand has a connection just like an ordinary garden hose and is equipped with a small conical strainer in the connection so that solids in the inlet water will not clog the cleaning holes.

For cleaning in place, connect a pressure water hose (at least 60 psig) to the special cleaning wand. Provide a vacuum truck (or other means of disposing of the sludge and dirt) in the vessel. Turn on the water to produce a spray from the wand and insert the tip of the wand slowly into each hole of the plate pack, starting at the upstream end. As the water flushes the dirt out of the plate packs, it should be removed by the vacuum hose or directed to an oil water sewer if one is available. For cleaning outside of the vessel, remove the plate packs and other internals (except bolted-in internals). Flush with hose and cleaning wand to oil water drain.

(NOTE: The cleaning wand produces a vigorous spray. Operators should wear waterproof clothing and goggles or face mask.)

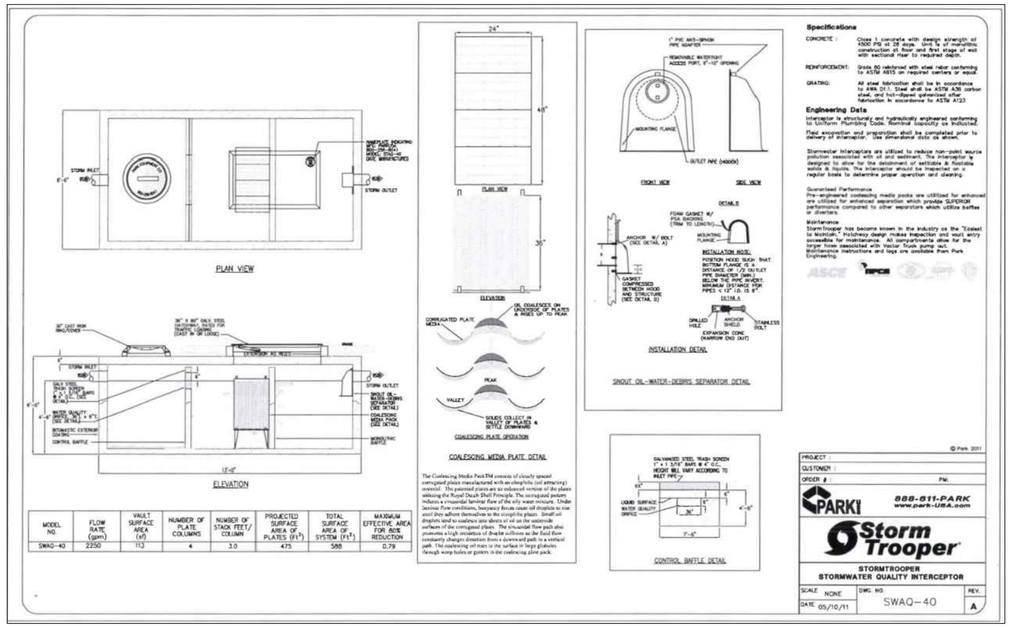


- Typically, the vacuum truck will skim off the oil and other floatables. In most geographic areas the sediment can be disposed of in a sanitary landfill once dewatered. Pollutants are not allowed to be discharged back into the sanitary or storm sewer systems.
- After cleaning via vacuum truck, pumping contractor can refill the StormTrooper™ with water previously drawn out of unit, or haul water to disposal facility and let natural rainfall recharge the unit during future rain events. Replace manhole covers.
- After cleanout is accomplished, obtain a copy of the service truck manifest. Update the StormTrooper™ Monitoring/Maintenance Report and attach a copy of the manifest to the report.

4.0 Safety and Environmental Considerations

- All normal safety precautions should be taken with this equipment to prevent accidents and fires. Normal fire prevention measures must be taken to prevent fire danger from the separated oil.
- Care should be taken to keep the area around the interceptor clean to prevent accidents.
- Dispose of the separated oil properly, preferably by recycling.
- The atmosphere inside the Park Environmental Equipment StormTrooper™ is a confined space and may be hazardous. Entry is not recommended without proper equipment. Follow OSHA confined space entry requirements.
- SAFETY AND ENVIRONMENTAL PROTECTION ARE THE RESPONSIBILITY OF THE USER. PARK EQUIPMENT CO. ASSUMES NO LIABILITY FOR MISUSE OF THIS SEPARATOR OR FOR USE OUTSIDE THE PARAMETERS FOR WHICH IT IS DESIGNED.

EXISTING PERMANENT BMP SERVING THE SOUTH BASIN MAINTENANCE DETAILS



MODEL NO.	FLOW RATE (cpm)	VAULT SURFACE AREA (sf)	NUMBER OF PLATE COLUMNS	NUMBER OF STACK FEET/ COLUMN	PROJECTED SURFACE AREA OF PLATES (Ft²)	TOTAL SURFACE AREA OF SYSTEM (Ft²)	MAXIMUM EFFECTIVE AREA FOR SIZE REDUCTION
SWAQ-40	2250	113	4	3.0	475	588	0.79

EXISTING PERMANENT BMP SERVING THE SOUTH BASIN DETAILS

Texas Commission on Environmental Quality
TSS Removal Calculations

AREA 2 | DRAINAGE BASIN South

TOTAL SITE DETAILS
Project Name: Valero Corner Store 1318
Project Location: Dripping Springs, TX
Date Prepared: 12/14/2012
Prepared By: Kyle L. Worrell, P.E.
Total Project Area to be Treated = 2.94
Pre-Development Impervious Area = 0.00
Post-Development Impervious Area = 1.92
Composite Run-Off Coefficient = 0.65
Required TSS Removal L_M = 1725
County = Hays

STEP ONE: Required TSS Removal

EQUATION 3.3
$L_M = 27.2(A_N \times P)$
L_M = Required TSS Removal (pounds)
A_N = Net Increase in Impervius Area (acres)
P = Average Annual Precipitation (inches)

Drainage Basin = 1.20 Acres
A_C = 0.78 Acres
A_P = 0.42 Acres
P = 33 Inches
L_M = 704 Lbs

STORMTROOPER

Model	E.A. @ 80%
5	< 0.13
10	0.14 - 0.20
20	0.21 - 0.33
25	0.34 - 0.50
40	0.51 - 0.79
70	0.80 - 0.98
110	0.99 - 1.23

STEP TWO: Select an Appropriate BMP

Effective Area = 0.72
StormTrooper SWAQ- 40
Unit Surface Area = 588 Sq. Ft.
EA = (Ai x 0.9) + (Ap x 0.0

EQUATION 3.4
Q = CiA, where:

C = 0.60 Composite Run-Off Coefficient
i = 1.10 Stormwater Quality Intensity
A = 1.20 Drainage Basin Acreage
Q = 0.79 Required Treatment Flow

EQUATION 3.5
V_{WQ} = Q/A, where:

Q = 0.79 Required Treatment Flow
A = 588 Unit Surface Area
V_{WQ} = 1.35E-03 Overflow Rate
BMP Effeciency = 80%

STEP THREE: Calculate Fraction of Annual Runoff to be Treated

Unit By-Pass Flowrate = 5.01 cfs
Treated Intensity = 1.10 in/hr
Annual Volume Treated = 90% Volume of Run-Off Entering Unit
Treatment Reduction = 1.00 BMP Effeciency Reduction Factor
Actual BMP Effeciency = 80%

STEP FOUR: Calculate TSS Load Removed by BMPs

EQUATION 3.8
L_R = (BMP Efficiency) x P x (A x 34.6 + A_P x 0.54)
L_R = Load Removed by BMP
BMP Efficiency = TSS Removal Efficiency
A_I = Impervious Tributary Area to the BMP (ac
A_P = Pervious Tributary Area to the BMP (ac

A_I = 0.78
A_P = 0.42
L_R = 723 lbs

EXISTING PERMANENT BMP SERVING THE SOUTH BASIN CALCULATIONS

TESLA

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SHEET SIZE ARCH "D"

0 1/2" 1"

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04/25/2023

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NO.	REVISION	DATE
A	SURVEY UPDATE	03/06/23

CIVIL DETAILS

C-502

JB-7863741-00

REV: A | IFP

Attachment "N" - Inspection/Maint, etc.

Permanent Stormwater System Maintenance and Responsibility Agreement

BIG DIAMOND, INC.

Under the City of Dripping Springs ordinances, ~~Valero Retail Holdings~~, the Owner of the WQ facility on the Sawyer Ranch Road/US 290 Site (Valero Corner Store, described as Lot 1-A, Tract 1, Sawyer Ranch 33 Sudivision, Hays County, TX), its successors and assigns, including any homeowners association, shall adequately maintain the stormwater management/Best Management Practices (BMP) facilities located on their own lot for the StormTrooper BMP units. This includes all pipes and channels built to convey stormwater to the facility, as well as all structures, improvements, and vegetation provided to control the quantity and quality of the stormwater. Adequate maintenance is herein defined as good working condition so that these facilities are performing their design functions, as required under Manufacturer's guidelines (Park USA), attached hereto.

The Engineer of Record recommends that The Landowner, its successors and assigns, shall inspect the stormwater management/BMP facility regularly (at least every month), or after storm events totaling more than 1 inch in a 24 hour period. The purpose of the inspection is to assure safe and proper functioning of the facilities. The inspection shall cover the StormTrooper unit, and any lot outfall.

The Landowner, its successors and assigns, hereby grant permission to the City of Dripping Springs, or TCEQ, its authorized agents and employees, to enter upon the Property and to inspect the stormwater management/BMP facilities whenever City/TCEQ deems necessary. The purpose of inspection is to follow-up on reported deficiencies and/or to respond to citizen complaints. The City/TCEQ shall provide the Landowner, its successors and assigns, copies of the inspection findings and a directive to commence with the repairs if necessary.

The Landowner, its successors and assigns, will perform the work necessary to keep these facilities in good working order as appropriate. In the event a maintenance schedule for the stormwater management/BMP facilities (including sediment removal) is required by manufacturer, it shall be adhered to.

This Agreement imposes no liability of any kind whatsoever on City/TCEQ and the Landowner agrees to hold the City/TCEQ harmless from any liability in the event the stormwater management/BMP facilities fail to operate properly.

I accept responsibility for ownership and proper maintenance of the stormwater system (pond, swales, etc.) on the __site per the approved maintenance plan. I will complete any necessary repairs and/or preventive maintenance procedures in a timely manner to ensure proper functioning as a stormwater management device(s).

It is my understanding that the maintenance plan may be amended/revised at any time by TCEQ and/or the City of Dripping Springs, and I will abide by any prescribed changes.

I will continue to own and maintain the site BMP (StormTrooper) until City of Dripping Springs/TCEQ is notified in writing of a transfer in ownership and maintenance responsibility. The notification will include a date for the transfer of responsibility and a letter of acceptance from the new owner.

I understand that failure to adhere to the signed maintenance agreement may result in fines of up to $_10,000.00__ per day, per violation and /or the institution of a court action.

BIG DIAMOND, INC.

By: _____ Douglas M. Miller, V.P. 02-14-2013

Signature of Owner/Agent | **Printed Name of Owner/Agent** | **Date**

One Valero Way | San Antonio, TX 78249 | 210-345-4346

Mailing Address | **City/State/Zip** | **Phone Number**

VALERO ENERGY CORPORATION
ATTN: REAL ESTATE DEPT
P O BOX 696000
SAN ANTONIO, TX 78269-6000

_____ 02-14-2013

Notary Stamp/Signature/Date

DEBBIE S. AVERY
Notary Public
STATE OF TEXAS
My Comm. Exp. 07-14-2015

Maintenance Procedures:

1. Inspect facility after reach rainfall event of more than 1 inch in 24 hour period.
2. Inspect Unit, per manufacturer's guidelines. Removal any sediment accumulations per guidelines, and legally dispose of in an approved landfill, or appropriate class. File appropriate forms (currently TCEQ Form 0152, Request for Authorization for Disposal of Special Waste).
3. Remove all trash from unit.
4. Ensure outlets are not plugged.
5. Check for proper operation and scouring.
6. Provide written inspection report to City/TCEQ, at least every two months.
7. On a yearly basis, or after any flood event, check outflow areas for scouring. Repair as necessary.
8. Notify all parties if the unit(s) do not appear to be functioning.

Agreed to this 14 day of Feb, 2013.

Owner: BIG DIAMOND, INC. Dhrm Nath

Maintenance Provider Name: Clean Earth Solutions

Contact Info for Maint. Provider: Address 1385 Wald Rd

New Braunfels, Tx 78132

Phone: 830-626-1422

E-mail: _____

Maintenance Provider Qualifications must be attached to this agreement.

Attachments that are part of this Agreement: StormTrooper Maintenance Instructions.

Recommended Maintenance Plan

Edwards Aquifer Region

1.0 Inspection Schedule

- A preventative maintenance cleanout schedule is the most valuable tool for maintaining the proper operation of Park StormTrooper™. Interceptor maintenance costs will be greatly reduced if a good housekeeping plan for the property is developed i.e., trash pickup, lawn maintenance, dumpster control, etc.

- Park StormTrooper™ interceptors have no moving parts. The manufacturer recommends ongoing quarterly inspections for accumulated pollutants. Pollutant accumulation may vary from year to year. Quarterly inspections ensure that the system is serviced at appropriate times. **Owner must observe site conditions and determine whether or not pollutant loads require a more frequent inspection schedule.** Table 1 lists recommended maximum capacities of oil and sediment. Professional vacuum services should be considered when capacities meet or exceed these recommended levels.

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SWAQ-25	12"	12"
SWAQ-40	12"	12"
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It is very important to keep a record of each inspection; therefore, an inspection and maintenance form has been attached for your use.

2.0 Inspection Procedures

- Easiest observation and maintenance is best accomplished during non-flow (dry weather) conditions, 5-7 days after the most recent rain.

- Remove interceptor covers or open hatchway to observe conditions. Remove hatchway safety net ("EnterNet"), if installed. Observe for trash and debris and remove if necessary. This is the most important maintenance requirement.

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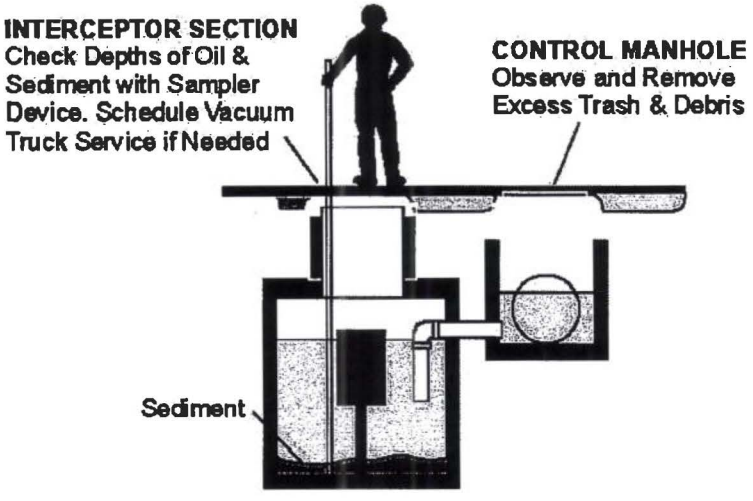
- Make sure the dipstick tube goes completely to the bottom. Lift the dipstick tube out of the unit and keep it in a vertical position and read the level of sediment and oils from the gauge on the dipstick. Record pollutant levels on your StormTrooper™ Monitoring / Maintenance Report. If either pollutant(s) in the dipstick tube (sediments or oils) exceed the levels indicated on Table 1, maintenance of the StormTrooper™ is required. Upon completing the recording of pollutant levels, the dipstick tube is then drained back into the inlet side of the StormTrooper™. This ensures that the pollutants in the dipstick tube do not leave the unit.



3.0 Maintenance Procedures

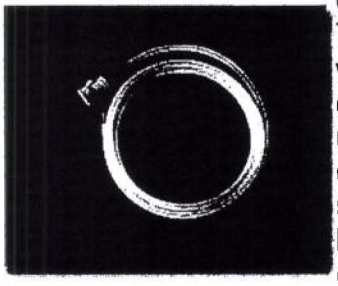
- Park Environmental Equipment, manufacturers of StormTrooper™, recommends that a professional pumping contractor licensed to remove and dispose waste from underground utilities be used to pump out the interceptor.

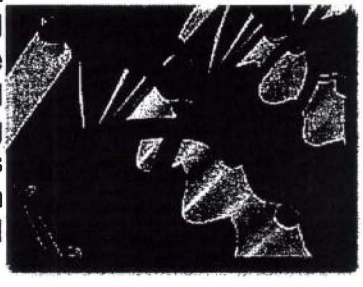
- Pull all manhole covers. Be sure all sections of the interceptor are cleaned. **If a control/bypass manhole is part of the system, it should be inspected and serviced with the interceptor.**

- If the coalescing media option is utilized, visually inspected the plates for any heavy build-up of oil, grease or sludge. Typically, the plates are self-cleaning and require little maintenance. If buildup of material is evident, either remove the media from the frame or clean the plate pack in place. Removing media is accomplished by attaching a lifting device in the lifting lug provided (top center of the frame), and then pull straight up. Media plates may be cleaned in place with special steam cleaning nozzle attachment that provides a flat spray.

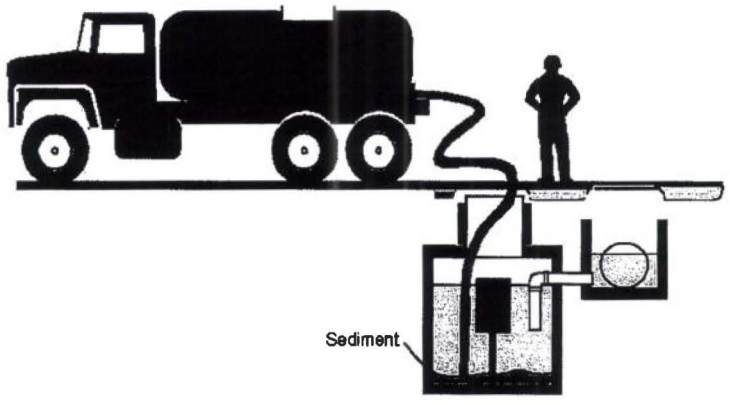
- **Facet's MPak® plates are designed to be cleaned in place using a special cleaning wand and city water pressure.** The wand has a connection just like an ordinary garden hose and is equipped with a small conical strainer in the connection so that solids in the inlet water will not clog the cleaning holes.

  For cleaning in place, connect a pressure water hose (at least 60 psig) to the special cleaning wand. Provide a vacuum truck (or other means of disposing of the sludge and dirt) in the vessel. Turn on the water to produce a spray from the wand and insert the tip of the wand slowly into each hole of the plate pack, starting at the upstream end. As the water flushes the dirt out of the plate packs, it should be removed by the vacuum hose or directed to an oil water sewer if one is available. For cleaning outside of the vessel, remove the plate packs and other internals (except bolted-in internals). Flush with hose and cleaning wand to oil water drain.





  (**NOTE:** The cleaning wand produces a vigorous spray. Operators should wear waterproof clothing and goggles or face mask.)



- Typically, the vacuum truck will skim off the oil and other floatables. In most geographic areas the sediment can be disposed of in a sanitary landfill once dewatered. Pollutants are not allowed to be discharged back into the sanitary or storm sewer systems.

- After cleaning via vacuum truck, pumping contractor can refill the StormTrooper™ with water previously drawn out of unit, or haul water to disposal facility and let natural rainfall recharge the unit during future rain events. Replace manhole covers.

- After cleanout is accomplished, obtain a copy of the service truck manifest. Update the StormTrooper™ Monitoring/Maintenance Report and attach a copy of the manifest to the report.

4.0 Safety and Environmental Considerations

- All normal safety precautions should be taken with this equipment to prevent accidents and fires. Normal fire prevention measures must be taken to prevent fire danger from the separated oil.

- Care should be taken to keep the area around the interceptor clean to prevent accidents.

- Dispose of the separated oil properly, preferably by recycling.

- The atmosphere inside the Park Environmental Equipment StormTrooper™ is a confined space and may be hazardous. Entry is not recommended without proper equipment. Follow OSHA confined space entry requirements.

- SAFETY AND ENVIRONMENTAL PROTECTION ARE THE RESPONSIBILITY OF THE USER. PARK EQUIPMENT CO. ASSUMES NO LIABILITY FOR MISUSE OF THIS SEPARATOR OR FOR USE OUTSIDE THE PARAMETERS FOR WHICH IT IS DESIGNED.

(Optional) StormTrooper® Interceptor Monitoring / Maintenance Report

Year:	
Company Name:	
Address:	
City/State/Zip:	
Contact Phone:	
Contact Name:	
StormTrooper® Model	
GPM	

Quarterly Record Keeping

Maintenance Activity	Mar	June	Sept	Dec
Non-Structural Controls				
Manhole Debris Cleaned				
Interceptor Debris Cleaned				
Hose Off Inside Walls				
Debris Screens Cleaned				
Mowing of Stormtrooper				
Structural Controls				
Oil Depth				
Solids Depth				
Pumped Out				
Inspections				
Quarterly				
Annually				

"X" identifies the months in which the activity will be performed (at a minimum).

*Provided to residents at move-in and available at community locations.

**Sediment removed from basin per chart on Table 4 or at least one year from move-in of location

I certify that I supervised or performed StormTrooper® monitoring per local codes and manufacturer's recommended monitoring and maintenance procedures on the dates listed above.

Signed: _____
Owner Or Owner Representative

Print Name: _____

Date Submitted: _____

Per the *"Permanent Stormwater Section" for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(C), (D)(Ii), (E), and (5), Effective June 1, 1999 a plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is provided herein.*

This plan has been prepared and certified by the engineer designing the permanent BMPs and measures. This plan has been signed by the owner or responsible party. The plan includes procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofits as well as a discussion of record keeping procedures.

I, DAVID PRICE, P.E., a Professional Engineer duly licensed to practice in the State of Texas do hereby certify that the information presented in this document was prepared under my direction and supervision and complies with the proper inspection and maintenance requirements determined by the manufacturer.

Signature: _____ Date: 3/15/13

License Number: 66362
Address: PO Box 26523
AUSTIN TX 78755
Phone Number: (512)-698-7676

STATE OF TEXAS
DAVID ALAN PRICE
66362
REGISTERED
PROFESSIONAL ENGINEER

Engineers Seal and Signature

I, _____ (Name), acting as _____ (Officer Position) for _____ (Permittee's Name), have read the Recommended StormTrooper Maintenance Plan, as well as the associated drawings, and agree to implement the requirements described herein.

Signature: _____ Date: _____

Address:

Phone Number:

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

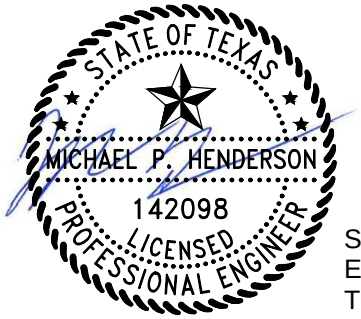
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The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

Print Name of Customer/Agent: GPD Group Professional Corporation/ Attn: Sarah Honeycutt

Date: 4/25/2023

Signature of Customer/Agent:

Sarah Honeycutt



Stamping Engineer for Tesla, Inc.

04/25/2023

Regulated Entity Name: Circle K Store

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: BEAR 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.

ATTACHMENT A

SPILL RESPONSE ACTION

Spill Preparedness and Practices

Materials necessary for possible spill cleanup (e.g. absorbent pads, personal protective equipment/devices, gloves, brooms, bags, etc) shall be kept in the material storage area, and their use and intention shall be clearly marked.

Personnel at the site shall be trained in the use and procedures regarding spill containment.

Spills shall be immediately addressed. In the event of a large spill, contact the local fire department for assistance.

Areas of hazardous spill shall be contained, and isolated from public/worker access.

Any hazardous spill shall be appropriately reported to local, state, and Federal officials, as required.

Any spills shall be the responsibility of the site superintendent or project manager, including daily inspections. Other back-up personnel shall be appointed and shall have full authority to implement or modify any response to prevent future spills.

The spill containment plan, and responsible parties, with contact information, shall be posted at the site.

The Reportable Quantities depends on the substance released and where released. See site specific spill responses below.

In Texas, upon determining that a reportable discharge or spill has occurred, the responsible person must notify the state. The threshold quantity that triggers the requirement to report a spill is called the **reportable quantity (RQ).** The reportable quantity depends on the type of substance released and where released (e.g. into water vs. on land); different kinds of spills are subject to different provisions of state and federal rules.

1. Hazardous Substances – Spilled onto Land – See "Final RQ" in Table 302.4 Title 40 CFR
2. Petroleum product, used oil – Spilled onto Land by non-exempt PST facility - 25 Gallons
3. From petroleum storage tanks, underground or aboveground – into water – enough to create a sheen.

ATTACHMENT B

POTENTIAL SOURCES OF CONTAMINATION

Though construction will be limited to the construction of electrical equipment pads and resurfacing a section of parking, the site itself will likely receive additional visitors which could lead to an increase in trash at the location. Particulate matter from increased automobile traffic is a potential source for increased contamination of the ground water. However, in general there the development is not expected to expand the potential sources of contamination at the site.

ATTACHMENT C

SEQUENCE OF MAJOR ACTIVITIES

1. INSTALL EROSION CONTROL MEASURES (BMPS) PER APPROVED PLANS.
   [0.01 AC+/- DISTURBED]
2. EXCAVATE, GRADE, AND COMPACT SUB-BASE.
   [0.05 AC+/- DISTURBED]
3. INSTALL ELECTRICAL CONDUIT.
   [0.02 AC+/- DISTURBED]
4. INSTALL/PLACE CONCRETE FOUNDATIONS
   [0.05 AC+/- DISTURBED]
5. INSTALL CONDUCTORS
   [0.00 AC+/- DISTURBED]
6. REMOVE BMPS
   [0.00 AC+/- DISTURBED]
7. REVEGETATE ANY VEGETATED AREAS DISTURBED FROM CONSTRUCTION.
   [0.00 AC+/- DISTURBED]

ATTACHMENT D

TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

1. STABILIZED CONSTRUCTION EXIT
    - A CONSTRUCTION EXIT WILL BE INSTALLED TO PROVIDE A SUITABLE LOCATION TO REMOVE SEDIMENT ADHEARING TO CONSTRUCTION EQUIPMENT, THAT COULD BE TRACKED ONTO ROADWAYS AND WASHED INTO AN MS4.
    - THE CONSTRUCTION EXIT SHALL BE INSTALLED SUCH THAT THE EXISTING DRAINAGEWAYS ARE MAINTAINED.
2. FIBER ROLLS
    - FIBER ROLLS SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM AND ALONG A CONSTANT ELEVATION TO FILTER SEDIMENT FROM THE RUNOFF OF THE DISTURBED AREAS.
    - ADDITIONAL FIBER ROLLS SHALL BE PLACED ALONG THE DOWNSTREAM SHALLOW CONCENTRATED FLOW PATH TO FURTHER FILTER ANY SEDIMENT FROM THE RUNOFF.
    - FIBER ROLLS SHALL BE PLACED SUCH THAT THEY ARE AT A CONSTANT ELEVATION AND ARE PERPENDICULAR TO THE SHEET FLOW AND SHALLOW CONCENTRATED FLOW. FIBER ROLLS SHALL NOT REDIRECT RUNOFF, BUT INSTEAD ALLOW RUNOFF TO FOLLOW EXISTING DRAINAGE PATTERNS.
3. INLET PROTECTION
    - INLET PROTECTION SHALL BE INSTALLED AT ALL DRAINAGE INLETS THAT MAY RECEIVE RUNOFF FROM THE DISTURBED AREAS.
    - INLET PROTECTION SHALL BE INSTALLED SO AS TO MAINTAIN 3” OF FREEBOARD FROM THE TOP BMP TO THE TOP OF THE DRAINAGE STRUCTURE/CURB.
    - INLET PROTECTION SHALL NOT IMPOUND MORE THAN 6” OF RUNOFF AND SHALL MAINTAIN EXISTING DRAINAGE PATTERNS.

ATTACHMENT E

REQUEST TO TEMPORARILY SEAL A FEATURE

1. NOT APPLICABLE - NO TEMPORARY SEALING OF NATURALLY-OCCURING SENSITIVE FEATURES ON THE SITE ARE PROPOSED

ATTACHMENT F

STRUCTURAL PRACTICES

1. Fiber rolls will be placed along areas receiving sheet flow discharge from the disturbed areas.
2. Inlet protection will be placed at the receiving inlet.

ATTACHMENT G
DRAINAGE AREA MAP

EXISTING	TEXT STYLE	PROPOSED	
×(99)	SPOT ELEVATION AT GRADE	×100	
85	CONTOUR MAJOR	60	
84	CONTOUR MINOR	59	
	PROPERTY LINE		
	FENCELINE		
	TREELINE		
	EDGE OF WATER		
	EDGE OF ROADWAY		
	ROADWAY HATCH		
	UNDERGROUND WATERLINE		
	ELECTRICAL CONDUIT		
	ELECTRICAL EQUIPMENT		
	LIMIT OF DISTURBANCE	LOD	
	18" SILT FENCE	SF	
	COMPOST FILTER SOCK		

DEFINITION	
AC	ACRE
BC	BOTTOM OF CURB
BW	BOTTOM OF WALL
CF	CUBIC FEET
CO	CLEAN OUT
CY	CUBIC YARD
E	EASTING
EX	EXISTING
ES	EROSION AND SEDIMENT CONTROL
FNE	FIELD NETWORK ENCLOSURE
INV	INVERT
KV	KILOVOLT
LF	LINEAR FOOT
LP	LIGHT POLE
MAX	MAXIMUM
MIN	MINIMUM
O.C.	ON CENTER
N	NORTHING
R/W	RIGHT OF WAY
TC	TOP OF CURB
TS	TOP OF SLAB
TW	TOP OF WALL
TYP	TYPICAL

ATTACHMENT H

TEMPORARY SEDIMENT POND(S) PLANS AND CALCULATIONS

1. NOT APPLICABLE - NO TEMPORARY SEDIMENT PONDS ARE PROPOSED.

ATTACHMENT I

INSPECTION AND MAINTENANCE FOR BMPS

GENERAL FOR ALL BMPS.

- 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.
- 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).
- 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.
- 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).

SITE SPECIFIC BMPS.

1. STABILIZED CONSTRUCTION EXIT
    - INSPECT CONSTRUCTION EXIT DAILY AND IMMEDIATELY AFTER PRECIPITATION UNTIL SITE IS FULLY STABILIZED.
    - REMOVE AND DISPOSE OF DEBRIS, SEDIMENT, AND ACCUMULATED WATER.
    - INSPECT AGGREGATE LAYER AND REHABILITATE AS REQUIRED.
    - MAINTAIN AND SECURE A DAILY INSPECTION LOG ONSITE AT ALL TIMES.
    - INSPECTIONS SHALL BE PERFORMED BY PERSONNEL THAT UNDERSTANDS FUNCTION AND OPERATION OF BMPS. PERSONNEL SHALL BE COMPETENT AT IDENTIFYING AND REPAIRING AREAS OF CONCERN.
2. FIBER ROLLS
    - INSPCT FIBER ROLLS DAILY AND IMMEDIATELY AFTER PRECIPITATION UNTIL SITE IS FULLY STABILIZED.
    - REMOVE AND DISPOSE OF DEBRIS AND ACCUMULATED SEDIMENT.
    - REPLACE/REINSTALL ANY WORN, DAMAGED, DISTURBED ROLLS.
    - MAINTAIN AND SECURE A DAILY INSPECTION LOG ONSITE AT ALL TIMES.
    - INSPECTIONS SHALL BE PERFORMED BY PERSONNEL THAT UNDERSTANDS FUNCTION AND OPERATION OF BMPS. PERSONNEL SHALL BE COMPETENT AT IDENTIFYING AND REPAIRING AREAS OF CONCERN.

3. INLET PROTECTION
    - INSPCT INLET PROTECTION DAILY AND IMMEDIATELY AFTER PRECIPITATION UNTIL SITE IS FULLY STABILIZED.
    - REMOVE AND DISPOSE OF DEBRIS AND ACCUMULATED SEDIMENT.
    - REPLACE/REINSTALL ANY WORN, DAMAGED, INLET PROTECTION.
    - MAINTAIN AND SECURE A DAILY INSPECTION LOG ONSITE AT ALL TIMES.
    - INSPECTIONS SHALL BE PERFORMED BY PERSONNEL THAT UNDERSTANDS FUNCTION AND OPERATION OF BMPS. PERSONNEL SHALL BE COMPETENT AT IDENTIFYING AND REPAIRING AREAS OF CONCERN.

ATTACHMENT J

SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

GENERAL FOR ALL BMPS.

- 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.
- STABILIZATION PRACTICES MUST BE INITIATED AS SOON AS PRACTICABLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

SITE SPECIFIC BMPS.

1. TEMPORARY VEGETATION
    - ALL DISTURBED AREAS LEFT EXPOSED SHALL BE COVERED IN TEMPORARY VEGETATION OR MULCH.
    - TEMPORARY SEEDING SHALL CONFORM TO LOCAL GERMINATION CONDITIONS.
2. PERMANENT VEGETATION
    - ALL DISTURBED AREAS SHALL BE FULLY STABILIZED WITH LOCAL CLIMATIC APPROPRIATE VEGETATION OR LANDSCAPING.
    - ALL PERMANENT VEGETATION SHALL BE GUARANTEED FOR A MINIMUM OF 2 YEARS OR REPLACED AT NO CHARGE BY THE CONTRACTOR.

***** Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days.**

ATTACHMENT K

ADMINISTRATIVE INFORMATION

- ALL STRUCTURAL CONTROLS WILL BE INSPECTED AND MAINTAINED ACCORDING TO THE SUBMITTED AND APPROVED OPERATION AND MAINTENANCE PLAN FOR THE PROJECT.
- 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.
- 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.

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Valero Corner Store 1318 - Tesla

Regulated Entity Location: 13810 Sawyer Ranch Road, Dripping Springs, TX 78620

Name of Customer: Tesla, Inc.

Contact Person: Shayne Hastings Phone: 512-539-7722

Customer Reference Number (if issued):CN 604905919

Regulated Entity Reference Number (if issued):RN 106684293 (For the Valero Corner Store)

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

☒ Mailed to: TCEQ - Cashier

Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office

☐ Overnight Delivery to: TCEQ - Cashier

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	+2 Acres	$ 3,000
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	$
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: *Shayne Hastings* Date: 3/10/2023

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)*

☒ Other **Adding electric vehicle charging station**

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)*
CN604905919		**RN 106684293**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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: eg: Doe, John)*

Tesla, Inc.

If new Customer, enter previous Customer below:

Circle K Stores Inc.

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0801471675	19121977292	91-2197729	

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher

13. Independently Owned and Operated?
☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☒ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	3500 Deer Creek Road						
	City	Palo Alto	**State**	CA	**ZIP**	94304	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	shastings@tesla.com

18. Telephone Number	**19. Extension or Code**	**20. Fax Number** *(if applicable)*
512-539-7722		

( ) -		( ) -

SECTION III: Regulated Entity Information

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

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Valero Corner Store 1318

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	13810 Sawyer Ranch Road							
	City	Dripping Springs	**State**	TX	**ZIP**	78620	**ZIP + 4**	
24. County	Hays							

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

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)
		335999	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

ELECTRIC VEHICLE CHARGING STATION

34. Mailing Address:	3500 Deer Creek Road							
	City	Palo Alto	**State**	CA	**ZIP**	94304	**ZIP + 4**	
35. E-Mail Address:	shastings@tesla.com							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
512-539-7722		( ) -

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

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

SECTION IV: Preparer Information

40. Name:	Sarah Honeycutt - GPD Group on behalf of Tesla, Inc.	**41. Title:**	Planning Specialist

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(330 **)** 572-3508		**( ) -**	

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:	GPD Group Professional Corporation on behalf of Tesla, Inc	**Job Title:**	Planning Specialist
Name *(In Print):*	Sarah Honeycutt	**Phone:**	**(** 330 **)** 572- **3508**
Signature:	Sarah Honeycutt	**Date:**	05/02/23

Owner Authorization Form

Texas Commission on Environmental Quality
for Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

Land Owner Authorization

I, Francis Lapointe of Circle K Stores Inc.
Land Owner Signatory Name — Land Owner Name (Legal Entity or Individual)

am the owner of the property located at
13810 Sawyer Ranch Road, Dripping Springs, TX 78620
Legal description of the property referenced in the application

and am duly authorized in accordance with §213.4(c)(2) and §213.4(d)(1) or §213.23(c)(2) and §213.23(d) relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize Tesla, Inc.
Applicant Name (Legal Entity or Individual)

to conduct install electric vehicle charging station
Description of the proposed regulated activities

at 13810 Sawyer Ranch Road, Dripping Springs, TX 78620.
Precise location of the authorized regulated activities

Land Owner Acknowledgement

I understand that Circle K Stores, Inc.
Land Owner Name (Legal Entity or Individual)

Is ultimately responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation even if the responsibility for compliance and the right to possess and control the property referenced in the application has been contractually assumed by another legal entity. I further understand that any failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

SIGNATURE PAGE:

Applicant's Signature

03-31-23
Date

THE STATE OF Texas §

County of Bexar §

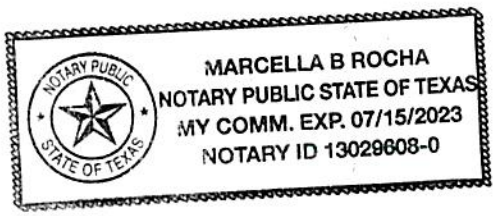
BEFORE ME, the undersigned authority, on this day personally appeared Francis Lapoint known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 31st day of March, ____.

Marcella Rocha
NOTARY PUBLIC

Marcella Rocha
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 07/15/2023



Applicant Acknowledgement

I, Shayne Hastings of Tesla, Inc.
Applicant Signatory Name — Applicant Name (Legal Entity or Individual)

acknowledge that Circle K Stores Inc.
Land Owner Name (Legal Entity or Individual)

has provided Tesla, Inc.
Applicant Name (Legal Entity or Individual)

with the right to possess and control the property referenced in the Edwards Aquifer protection plan.

I understand that Tesla, Inc.
Applicant Name (Legal Entity or Individual)

is contractually responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation. I further understand that failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Applicant Signature

Applicant Signature — Date: 4-27-23

THE STATE OF § Texas

County of § Travis

BEFORE ME, the undersigned authority, on this day personally appeared Shayne Hastings 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 27 day of April 2023

NOTARY PUBLIC

Monica Hernandez
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 05-26-2024

MONICA HERNANDEZ ★ NOTARY PUBLIC ★ STATE OF TEXAS ★ NOTARY ID 12882233-6 ★ MY COMM. EXP. 05-26-2024 ★

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

I Shayne Hastings,
Print Name

Design Lead,
Title - Owner/President/Other

of Tesla, Inc.,
Corporation/Partnership/Entity Name

have authorized Sarah Honeycutt
Print Name of Agent/Engineer

of GPD Group Professional Corporation
Print Name of Firm

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

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to $10,000 per day per violation.

2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.

4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.

5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Applicant's Signature

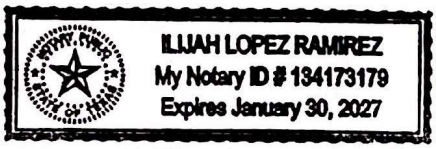
5-1-2023
Date

THE STATE OF Texas §

County of Travis §

BEFORE ME, the undersigned authority, on this day personally appeared Shaylene Hastings 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 1st day of May, 2023.



NOTARY PUBLIC

Ilijah Lopez Ramirez
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: January 30th 2027