CLWSC CAMPUS

Contributing Zone Plan Modification Application

July 2024

PAPE-DAWSON ENGINEERS

Transportation | Water Resources | Land Development | Surveying | Environmental

PAPE-DAWSON ENGINEERS

July 10, 2024

Ms. Monica Reyes
Texas Commission on Environmental Quality (TCEQ)
Region 13
14250 Judson Road
San Antonio, Texas 78233-4480

Re: CLWSC Campus
Contributing Zone Plan Modification Application

Dear Ms. Reyes:

Please find included herein the CLWSC Campus Contributing Zone Plan Modification. This Contributing Zone Plan Modification has been prepared in accordance with the Texas Administrative Code (30 TAC 213) and current policies for development over the Edwards Aquifer Contributing Zone.

This Contributing Zone Plan Modification applies to an approximate 16.28-acre site as identified by the project limits. Please review the plan information for the items it is intended to address. If acceptable, please provide a written approval of the plan in order that construction may begin at the earliest opportunity.

Appropriate review fees ($6,500) and fee application are included. If you have questions or require additional information, please do not hesitate to contact me at your earliest convenience.

Sincerely,
Pape-Dawson Consulting Engineers, LLC

Jason T. Diamond

Jason T. Diamond, P.E.
Vice President

Attachment

P:\89\11\05\Word\Reports\CZP MOD\211213a1_Letter.docx

CLWSC CAMPUS

Contributing Zone Plan Modification Application

July 2024

7/10/2024

EDWARDS AQUIFER APPLICATION COVER PAGE (TCEQ-20705)

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.

3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.

4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

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

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.

6. If the geologic assessment was completed before October 1, 2004 and the site contains "possibly sensitive" features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

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

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.

4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: CLWSC Campus						**2. Regulated Entity No.:** 111386850			
3. Customer Name: SJWTX, Inc.						**4. Customer No.:** 602969396			
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):**			16.28
9. Application Fee:	$6,500		**10. Permanent BMP(s):**			batch detention basin			
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**			4			
13. County:	Comal		**14. Watershed:**						

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)	☐ Edwards Aquifer Authority ☐ Barton Springs/ Edwards Aquifer ☐ Hays Trinity ☐ Plum Creek	☐ Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	☐ Austin ☐ Buda ☐ Dripping Springs ☐ Kyle ☐ Mountain City ☐ San Marcos ☐ Wimberley ☐ Woodcreek	☐ Austin ☐ Bee Cave ☐ Pflugerville ☐ Rollingwood ☐ Round Rock ☐ Sunset Valley ☐ West Lake Hills	☐ Austin ☐ Cedar Park ☐ Florence ☐ Georgetown ☐ Jerrell ☐ Leander ☐ Liberty Hill ☐ Pflugerville ☐ Round Rock

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

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. Jason T. Diamond, P.E.
Print Name of Customer/Authorized Agent
Jason T. Diamond 07/10/2024 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 (TCEQ-10259)

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: Jason T. Diamond, P.E.

Date: 07/10/2024

Signature of Customer/Agent:

Jason T. Diamond

Project Information

1. Current Regulated Entity Name: CLWSC Campus
   Original Regulated Entity Name: CLWSC Campus
   Assigned Regulated Entity Number(s) (RN): 111386850
   Edwards Aquifer Protection Program ID Number(s): 13001459
   ☒ The applicant has not changed and the Customer Number (CN) is: 602969396
   ☐ 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	16.28	16.28
Type of Development	water distribution	water distribution
Number of Residential Lots	N/A	N/A
Impervious Cover (acres)	7.27	7.27
Impervious Cover (%)	44.8	44.8
Permanent BMPs	batch detention basin	batch detention basin
Other	_____	5 ASTs

AST Modification Summary	***Approved Project***	***Proposed Modification***
Number of ASTs	_____	_____
Other	_____	_____

UST Modification Summary	***Approved Project***	***Proposed Modification***
Number of USTs	_____	_____
Other	_____	_____

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

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

6. ☒ **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.
   - ☐ 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. ☒ 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. ☒ 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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 4, 2022

Mr. Heath Woods, P.E.
Canyon Lake Water Supply Company
1399 Sattler Road
New Braunfels, TX 78132

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: CLWSC Campus; Located approximately 0.4 miles southwest of FM3198 and Cranes Mill Road intersection; Startzville, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Regulated Entity No. RN:111386850; Additional ID No. 13001459

Dear Mr. Woods:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the San Antonio Regional Office by Pape-Dawson Engineers, Inc. on behalf of Canyon Lake Water Supply Company on December 16, 2021. Final review of the CZP was completed after additional material was received on February 11, 2022, and February 22, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

PROJECT DESCRIPTION

The proposed Commercial project will have an area of approximately 16.28-acres. It will include the construction of an elevated storage tank, warehouse and commercial office building with associated parking areas and drive, and road section. The impervious cover will be 7.27-acres (44.8 percent). According to a letter dated, December 14, 2021, signed by Robert Boyd, with Comal 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, one (1) Batch Detention Pond, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 6,526 pounds of TSS generated from the 7.27-acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

SPECIAL CONDITIONS

I. The permanent pollution abatement measure shall be operational prior to first occupancy of the facility.

II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

4. 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 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 San Antonio 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/San Antonio> Regional Office within 30 days of site completion.
15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. 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 San Antonio 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 San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

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 Drew Evans of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210)-403-4053.

Sincerely,

Lillian Butler

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

LIB/de

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

cc: Jason Diamond, P.E., Pape-Dawson Engineers, Inc.
Miranda Jenkins, EIT, Pape-Dawson Engineers, Inc.

ATTACHMENT B

Attachment B – Narrative of Proposed Modification

The CLWSC Campus Contributing Zone Plan (CZP) was approved by the Texas Commission on Environmental Quality (TCEQ) in a letter dated March 4, 2022 (EAPP Additional ID No. 13001459). The approval allowed the construction of a potable water elevated storage tank, a warehouse and commercial office building with associated parking, drive access, and internal roadways and one (1) water quality and detention basin to provide treatment of stormwater from the site. Approximately 7.27 acres of impervious cover, or 44.8% of the 16.28-acre project limits, were approved for construction in the original CZP.

This CZP MOD proposes a change to the originally approved site plan to remove 7,275 SF of impervious cover from the proposed parking lot on the east side of the site and add approximately 7,275 SF of impervious cover to expand the proposed parking lot on the north side of the proposed warehouse building. This modification does not propose any increase in the amount of impervious cover and the proposed impervious cover will remain at approximately 7.27 acres of impervious cover, or 44.8% of the 16.28-acre project limits. The previously approved batch detention basin designed in accordance with the TCEQ's Technical Guidance manual (TGM) RG-348 (2005) to remove 80% of the increase in Total Suspended Solids (TSS) from the site, will remain exactly as it was approved. Approximately 7.27 acres of impervious cover from the site including the existing ground storage tank, elevated storage tank, commercial office buildings and warehouse, and associated parking and drives will be treated by the basin.

This CZP MOD also includes the permitting of five (5) aboveground storage tanks associated with the operation of the warehouse facility. There will be an onsite emergency generator on the site with one (1) 1,000-gallon diesel belly tank and one (1) 500-gallon propane tank. There are also three (3) aboveground storage tanks for refueling vehicles that are associated with the maintenance and operations staff that will work out of the office and warehouse facility. These tanks consist of one (1) 15,000-gallon tank containing diesel fuel, one (1) 15,000-gallon tank containing off-road diesel, and one (1) 6,000-gallon tank containing unleaded gasoline.

These five (5) proposed double-walled steel tanks comply with the UL-2085 Standards. The primary tanks are wholly contained within a secondary tank, and the interstitial space is sealed with a lightweight thermal insulation, which allows liquid to migrate through it to the monitoring points. Said monitoring system includes sensors, probes, and advanced software to detect leaks within the primary tank. The tanks will be placed on a concrete pad as a containment structure. There is a 2-inch (2") solenoid to prevent leaking associated with the dispenser hoses.

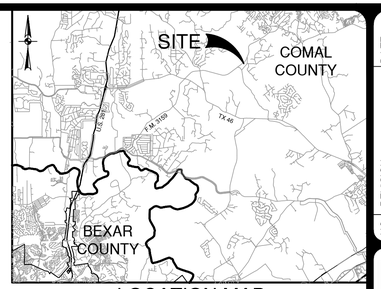
Potable water service is to be provided by the Canyon Lake Water Service Company (CLWSC). Wastewater will be disposed of by an onsite septic system.

ATTACHMENT C

CLWSC CAMPUS TREATMENT SUMMARY					
WATERSHED	WATERSHED AREA (AC)	PROPOSED IMPERVIOUS COVER (AC)	BMP TYPE	TSS REQUIRED ANNUAL REMOVAL (LBS)	TSS REMOVED ANNUALLY (LBS)
A	14.48	7.21	BATCH DETENTION BASIN "A"	6,472	6,521
B	0.69	0.03	OFFSITE	-	-
C	0.11	0.06	UNCAPTURED	49	
TOTAL				6,521	6,521

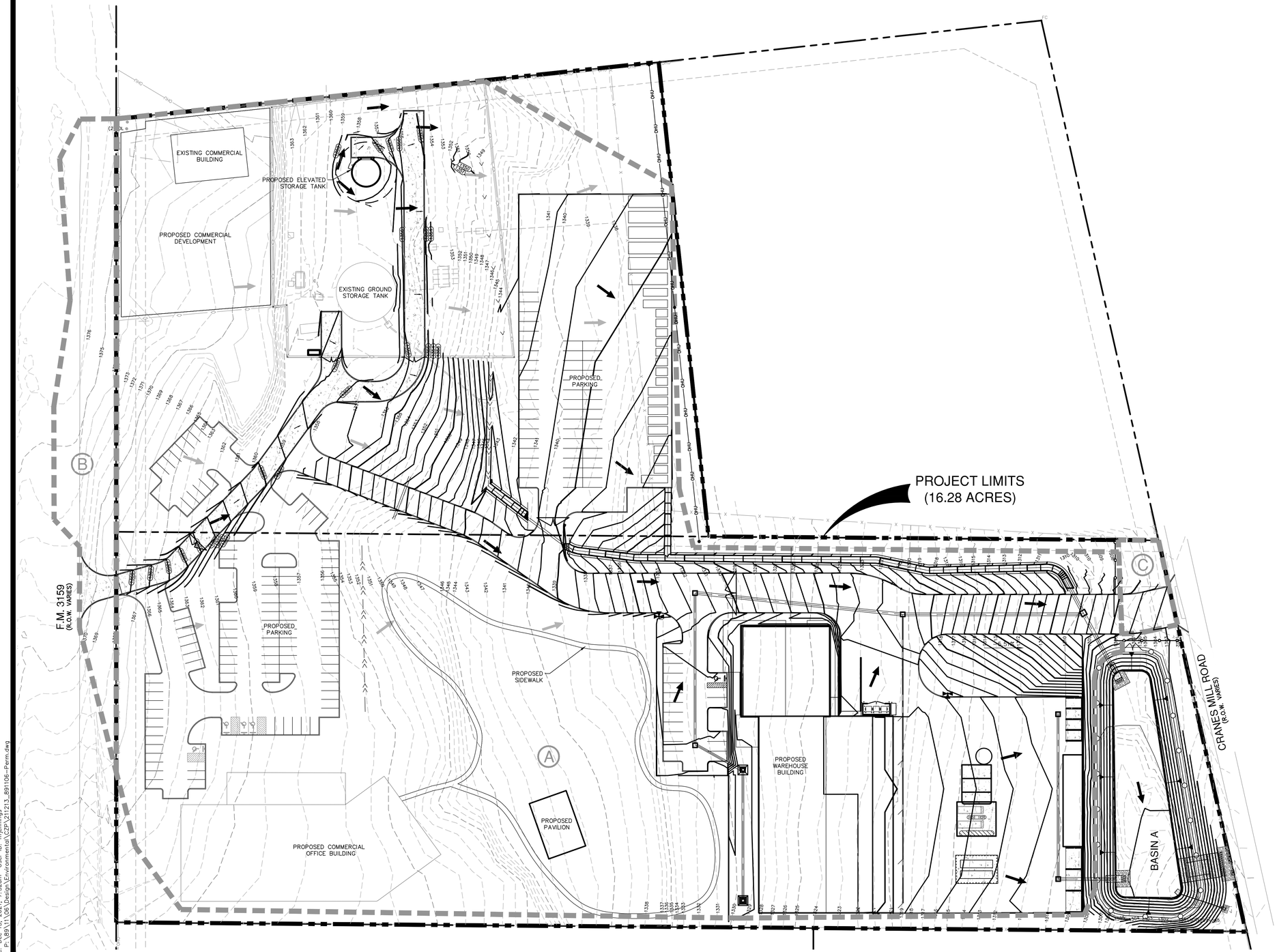
SCALE: 1"= 50'

0' 50' 100' 150'



LOCATION MAP

NOT-TO-SCALE



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR (1350)
- PROPOSED CONTOUR (1130)
- FLOW ARROW (EXISTING)
- FLOW ARROW (PROPOSED)
- LIMITS OF DISTURBED AREA
- WATERSHED BOUNDARY
- WATERSHED DESIGNATION (K)

SUMMARY OF PERMANENT POLLUTION ABATEMENT MEASURES:

1.) TEMPORARY BMP'S WILL BE MAINTAINED UNTIL THE SITE IMPROVEMENTS ARE COMPLETED AND THE SITE HAS BEEN STABILIZED, INCLUDING SUFFICIENT VEGETATION BEING ESTABLISHED.

2.) DURING CONSTRUCTION, TO THE EXTENT PRACTICAL, CONTRACTOR SHALL MINIMIZE THE AREA OF SOIL DISTURBANCE. AREAS OF DISTURBED SOIL SHALL BE REVEGETATED TO STABILIZE SOIL USING SOLID SOD IN A STAGGERED PATTERN. SEE DETAIL ON TEMPORARY POLLUTION ABATEMENT DETAIL SHEET AND REFER TO SECTION 1.3.11 IN TCEQ'S TECHNICAL GUIDANCE MANUAL RG-348 (2005). SOD SHOULD BE USED IN CHANNELS AND ON SLOPES > 15%. THE CONTRACTOR MAY SUBSTITUTE THE USE OF SOD WITH THE PLACEMENT OF TOP SOIL AND A FRIABLE SEED BED WITH A PROTECTIVE MATTING OR HYDRAULIC MULCH ALONG WITH WATERING UNTIL VEGETATION IS ESTABLISHED. APPLICATIONS AND PRODUCTS SHALL BE THOSE APPROVED BY TXDOT AS OF FEBRUARY 2001 AND IN COMPLIANCE WITH THE TGM RG-348 (2005). SEED MIXTURE AND/OR GRASS TYPE TO BE DETERMINED BY OWNER AND SHOULD BE IN COMPLIANCE WITH TGM RG-348 (2005) GUIDELINES. IRRIGATION MAY BE REQUIRED IN ORDER TO ESTABLISH SUFFICIENT VEGETATION.

3.) FOR DISTURBED AREAS WHERE INSUFFICIENT SOIL EXISTS TO ESTABLISH VEGETATION, CONTRACTOR SHALL PLACE A MINIMUM OF 6" OF TOPSOIL PRIOR TO REVEGETATION.

4.) PERMANENT BMP'S FOR THIS SITE INCLUDES A BATCH DETENTION BASIN. THIS PERMANENT BMP HAS BEEN DESIGNED TO REMOVE AT LEAST 80% OF THE INCREASED TOTAL SUSPENDED SOLIDS (TSS) FOR THE SITE IN ACCORDANCE WITH THE TCEQ'S TECHNICAL GUIDANCE MANUAL (TGM) RG-348 (2005).

5.) TYPICAL SLOPES ON THIS PROJECT RANGE FROM APPROXIMATELY 1% TO 8%.

PERMANENT POLLUTION ABATEMENT MEASURES:

1.) SILT FENCING AND ROCK BERMS, WHERE APPROPRIATE, WILL BE MAINTAINED UNTIL THE ROADWAY, UTILITY, DRAINAGE IMPROVEMENTS, AND BUILDING CONSTRUCTION ARE COMPLETED.

2.) A BATCH DETENTION BASIN WILL SERVE AS THE PERMANENT BEST MANAGEMENT PRACTICE (BMP) FOR THE SITE

3.) ENERGY DISSIPATORS (TO HELP REDUCE EROSION) WILL BE PROVIDED AT POINTS OF CONCENTRATED DISCHARGE WHERE EXCESSIVE VELOCITIES MAY BE ENCOUNTERED.

NOTES:

1.) CONTRACTOR SHALL INSTALL AND ESTABLISH VEGETATION FOR SOIL STABILIZATION PRIOR TO SITE CLOSEOUT.

2.) ALL PERMANENT BMP'S MUST BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER.

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES-STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SW3P ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

EXHIBIT 3

NO.	REVISION	DATE

STATE OF TEXAS
JASON T. DIAMOND
96532
LICENSED
PROFESSIONAL ENGINEER
Jason T. Diamond
12-14-21

PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CLWSC CAMPUS
COMAL COUNTY, TEXAS

CONTRIBUTING ZONE PLAN
PERMANENT WATER POLLUTION ABATEMENT PLAN

PLAT NO. ---
JOB NO. 8911-04
DATE OCTOBER 2021
DESIGNER AL
CHECKED RG DRAWN AL
SHEET 1 of 1

Date: Dec 15, 2021, 7:52pm User ID: mjennings
File: P:\89\11\06\Design\Environmental\CZP\211213_891106-Perm.dwg

XXXXXXXXXX

CONTRIBUTING ZONE PLAN APPLICATION (TCEQ-10257)

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.

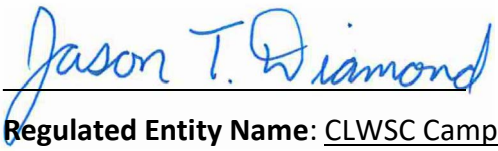
Signature

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: Jason T. Diamond, P.E.

Date: 07/10/2024

Signature of Customer/Agent:



Regulated Entity Name: CLWSC Campus

Project Information

1. County: Comal
2. Stream Basin: Dry Comal Creek
3. Groundwater Conservation District (if applicable): N/A
4. Customer (Applicant):

   Contact Person: Heath Woods, P.E.
   Entity: SJWTX, Inc.
   Mailing Address: 1399 Sattler Road
   City, State: New Braunfels, TX Zip: 78132
   Telephone: 830-312-4551 Fax: _____
   Email Address: heath.woods@txwaterco.com

5. Agent/Representative (If any):

Contact Person: Jason T. Diamond, P.E.
Entity: Pape-Dawson Engineers
Mailing Address: 2000 NW Loop 410
City, State: San Antonio, TX Zip: 78213
Telephone: 210-375-9000 Fax: 210-375-9010
Email Address: jdiamond@pape-dawson.com

6. Project Location:

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

From TCEQ's regional office travel north on Judson Road, approximately 2.5 miles to Loop 1604. Turn left on Loop 1604 and proceed west approximately 5 miles to exit onto US Hwy 281 N. Proceed approximately 13.6 miles north and exit right onto State Hwy 46. Proceed approximately 5.6 miles east and then turn left onto FM 3159. Continue straight for 3.5 miles and the site will be on your right.

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: _____

13. Total project area (size of site): 16.28 Acres

    Total disturbed area: 16.28 Acres

14. Estimated projected population: 0

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	104,981	÷ 43,560 =	2.41
Parking	31,363	÷ 43,560 =	0.72
Other paved surfaces	180,338	÷ 43,560 =	4.14
Total Impervious Cover	316,682	÷ 43,560 =	7.27

Total Impervious Cover 7.27 **÷ Total Acreage** 16.28 **X 100 =** 44.66**% 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	15,000	Diesel	double-walled steel
2	15,000	Off Road Diesel	double-walled steel
3	6,000	Unleaded	double-walled steel

AST Number	*Size (Gallons)*	*Substance to be Stored*	*Tank Material*
4	1,027	Diesel	double-walled steel
5	500	Propane	double-walled steel

Total x 1.5 = 56,290.5 **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*
45.25	39.83	.5	1,683.3	12,592

Total: 12,592 (not counting double-walled tank containment) **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: concrete.

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" = 50'.

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): _____.

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.

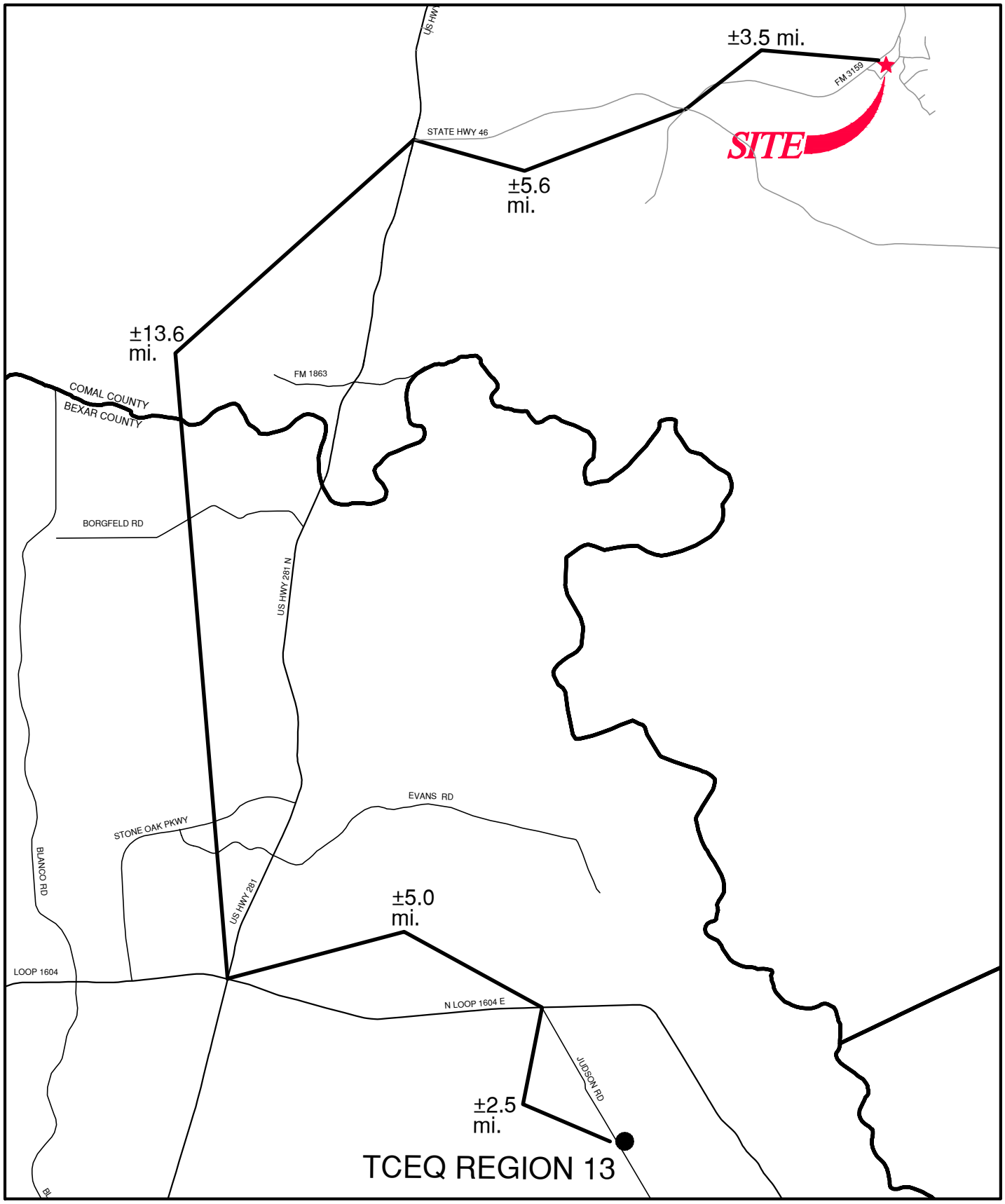
63. ☐ The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements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

CLWSC CAMPUS
Contributing Zone Plan

NOT TO SCALE



Pape-Dawson Engineers, Inc.

Date: Nov 05, 2021, 11:47am User ID: jkrier
File: P:\89\11\06\Design\Environmental\CZP\211025-Road Map.dwg

ATTACHMENT A
Road Map

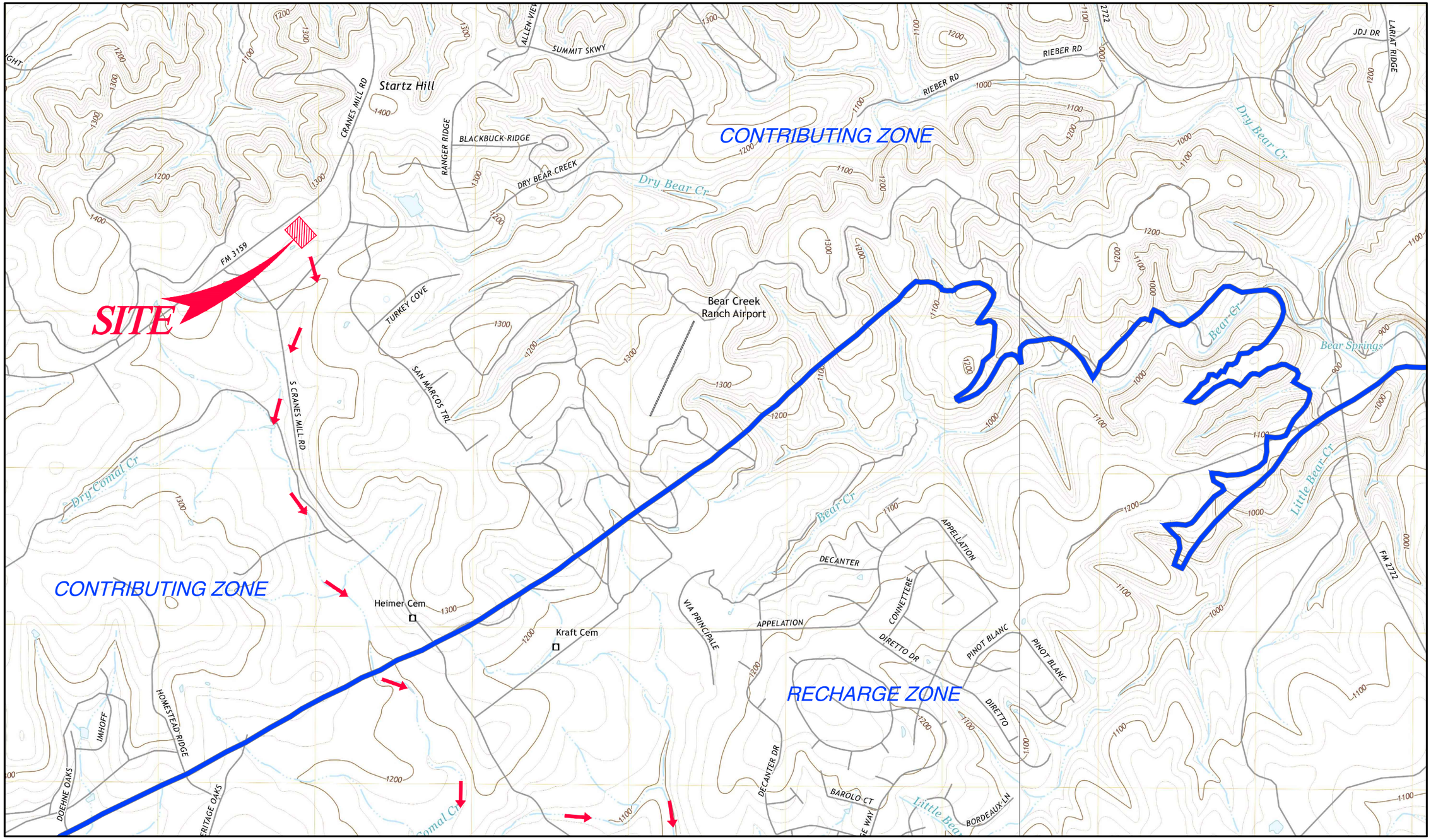
ATTACHMENT B

CLWSC CAMPUS
Canyon Lake, Texas

Contributing Zone Plan

N

SCALE: 1" = 2000'



Date: Nov 05, 2021, 11:51am User ID: jkrier
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GENERAL LOCATION MAP - SMITHSON VALLEY, SATTLER, BAT CAVE, NEW BRAUNFELS WEST, SCHERTZ & MARION, TX QUADS

DRAINAGE FLOW → →

Pape-Dawson Engineers, Inc.

MATCHLINE: SHEET 2 of 4

USGS/EDWARDS RECHARGE ZONE MAP
SHEET 1 of 4
ATTACHMENT B

ATTACHMENT C

CLWSC CAMPUS
Contributing Zone Plan Modification

Attachment C – Project Narrative

The CLWSC Campus Contributing Zone Plan (CZP) was approved by the Texas Commission on Environmental Quality (TCEQ) in a letter dated March 4, 2022 (EAPP Additional ID No. 13001459). The approval allowed the construction of a potable water elevated storage tank, a warehouse and commercial office building with associated parking, drive access, and internal roadways and one (1) water quality and detention basin to provide treatment of stormwater from the site. Approximately 7.27 acres of impervious cover, or 44.8% of the 16.28-acre project limits, were approved for construction in the original CZP.

This CZP MOD proposes a change to the originally approved site plan to remove 7,275 SF of impervious cover from the proposed parking lot on the east side of the site and add approximately 7,275 SF of impervious cover to expand the proposed parking lot on the north side of the proposed warehouse building. This modification does not propose any increase in the amount of impervious cover and the proposed impervious cover will remain at approximately 7.27 acres of impervious cover, or 44.8% of the 16.28-acre project limits. The previously approved batch detention basin designed in accordance with the TCEQ's Technical Guidance manual (TGM) RG-348 (2005) to remove 80% of the increase in Total Suspended Solids (TSS) from the site, will remain exactly as it was approved. Approximately 7.27 acres of impervious cover from the site including the existing ground storage tank, elevated storage tank, commercial office buildings and warehouse, and associated parking and drives will be treated by the basin.

This CZP MOD also includes the permitting of five (5) aboveground storage tanks associated with the operation of the warehouse facility. There will be an onsite emergency generator on the site with one (1) 1,000-gallon diesel belly tank and one (1) 500-gallon propane tank. There are also three (3) aboveground storage tanks for refueling vehicles that are associated with the maintenance and operations staff that will work out of the office and warehouse facility. These tanks consist of one (1) 15,000-gallon tank containing diesel fuel, one (1) 15,000-gallon tank containing off-road diesel, and one (1) 6,000-gallon tank containing unleaded gasoline.

These five (5) proposed double-walled steel tanks comply with the UL-2085 Standards. The primary tanks are wholly contained within a secondary tank, and the interstitial space is sealed with a lightweight thermal insulation, which allows liquid to migrate through it to the monitoring points. Said monitoring system includes sensors, probes, and advanced software to detect leaks within the primary tank. The tanks will be placed on a concrete pad as a containment structure. There is a 2-inch (2") solenoid to prevent leaking associated with the dispenser hoses.

Potable water service is to be provided by the Canyon Lake Water Service Company (CLWSC). Wastewater will be disposed of by an onsite septic system.

ATTACHMENT D

Attachment D – Factors Affecting Surface Water Quality

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

- Soil erosion due to the demolition and clearing of the site;
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings;
- Hydrocarbons from asphalt paving operations;
- Miscellaneous trash and litter from construction workers and material wrappings;
- Concrete truck washout.
- Potential overflow/spills from portable toilets

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

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

ATTACHMENT E

Attachment E – Volume and Character of Stormwater

Stormwater runoff will increase as a result of this development. For a 25-year storm event, the overall project will generate approximately 100.7 cfs. The runoff coefficient for the site changes from approximately 0.55 pre-development to 0.84 post-development. Values are based on the Rational Method.

ATTACHMENT J

Attachment J – BMPs for Upgradient Stormwater

A portion of the FM 3159 right-of-way, approximately 0.69-acres, will flow across the project limits. The onsite PBMP has been sized to account for the flows from these areas.

The Permanent Best Management Practices (PBMPs) for stormwater treatment is one previously approved (1) batch detention basin (ID 13001459), designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) to remove 80% of the increase in Total Suspended Solids (TSS) from the site.

ATTACHMENT K

Attachment K – BMPs for Onsite Stormwater

The Permanent Best Management Practices (PBMPs) for stormwater treatment is one previously approved (1) batch detention basin (ID 13001459), designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) to remove 80% of the increase in Total Suspended Solids (TSS) from the site.

ATTACHMENT L

Attachment L – BMPs for Surface Streams

No surface streams are located on or adjacent to the project site. The Permanent Best Management Practices (PBMPs) for stormwater treatment is one previously approved (1) batch detention basin (ID 13001459), designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) to remove 80% of the increase in Total Suspended Solids (TSS) from the site.

ATTACHMENT M

CLWSC CAMPUS
Contributing Zone Plan Modification

Attachment M – Construction Plans

Please refer to the Exhibits Section of this application for the Contributing Zone Plan Site Plans.

ATTACHMENT N

PERMANENT POLLUTION ABATEMENT MEASURES
MAINTENANCE SCHEDULE AND MAINTENANCE PROCEDURES

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

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

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

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

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

Thomas Hodge _____ 11/8/21 _____

Date

Thomas Hodge
President
SJWTX, Inc. dba Canyon Lake Water Service Company

INSPECTION AND MAINTENANCE SCHEDULE
FOR
PERMANENT POLLUTION ABATEMENT MEASURES

Recommended Frequency	Task to be Performed												
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
After Rainfall	√							√			√		√
Biannually*	√	√	√	√	√	√	√	√	√	√	√	√	√

At least one biannual inspection must occur during or immediately after a rainfall event.
√Indicates maintenance procedure that applies to this specific site.

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

A w*ritten record should be kept of inspection results and maintenance performed.*

Task No. & Description	***Included in this project***	
1. Mowing	**Yes**	~~**No**~~
2. Litter and Debris Removal	**Yes**	~~**No**~~
3. Erosion Control	**Yes**	~~**No**~~
4. Level Sensor	**Yes**	~~**No**~~
5. Nuisance Control	**Yes**	~~**No**~~
6. Structural Repairs and Replacement	**Yes**	~~**No**~~
7. Discharge Pipe	**Yes**	~~**No**~~
8. Detention and Drawdown Time	**Yes**	~~**No**~~
9. Sediment Removal	**Yes**	~~**No**~~
10. Logic Controller	**Yes**	~~**No**~~
11. Vegetated Filter Strips	**Yes**	~~**No**~~
12. Visually Inspect Security Fencing for Damage or Breach	**Yes**	~~**No**~~
13. Recordkeeping for Inspections, Maintenance, and Repairs	**Yes**	~~**No**~~

MAINTENANCE PROCEDURES FOR PERMANENT POLLUTION ABATEMENT MEASURES

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

Inspections. Inspections should take place a minimum of twice a year. One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. The remaining inspections should occur between storm events so that manual operation of the valve and controller can be verified. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. The outlet structure and the trash screen should be inspected for signs of clogging. Debris and sediment should be removed from the orifice and outlet(s) as described in previous sections. Debris obstructing the valve should be removed. During each inspection, erosion areas inside and downstream of this BMP should be identified and repaired/revegetated immediately. *A written record should be kept of inspection results and corrective measures taken*

1. Mowing. The basin, basin side-slopes, and embankment of the basin must be mowed to prevent woody growth and control weeds. A mulching mower should be used, or the grass clippings should be caught and removed. Mowing should take place at least twice a year, or more frequently if vegetation exceeds 18 inches in height. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas.

2. Litter and Debris Removal. Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the outlet structure. The outlet should be checked for possible clogging or obstructions and any debris removed.

3. Erosion control. The basin side slopes and embankment all may periodically suffer from slumping and erosion. To correct these problems, corrective action, such as regrading and revegetation, may be necessary. Correction of erosion control should take place whenever required based on the periodic inspections.

4. Level Sensor. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin.

5. Nuisance Control. Standing water or soggy conditions may occur in the basin. Some standing water may occur after a storm event since the valve may close with 2 to 3 inches of water in the basin. Some flow into the basin may also occur between storms due to spring flow and residential water use that enters the storm sewer system. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weeds, odors, algae, etc.).

6. Structural Repairs and Replacement. With each inspection, any damage to structural elements of the basin (pipes, concrete drainage structures, retaining walls, etc.) should be identified and repaired immediately. An example of this type of repair can include patching of cracked concrete, sealing of voids, removal of vegetation from cracks and joints. The various inlet/outlet structures in a basin will eventually deteriorate and must be replaced. *A written record should be kept of inspection results and corrective measures taken*

7. Discharge Pipe. The basin discharge pipe shall be checked for accumulation of silt, debris or other obstructions which could block flow. Soil accumulations, vegetative overgrowth and other blockages should be cleared from the pipe discharge point. Erosion at the point of discharge shall be monitored. If erosion occurs, the addition of rock rubble to disperse the flow should be accomplished. *A written record should be kept of inspection results and corrective measures taken*

8. Detention and Drawdown Time. One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. This characteristic can be a sign of the need for maintenance. The minimum drawdown time is 24 hours. If drawdown time is less than 24 hours, the actuator valve shall be checked and partially closed to limit the drawdown time. Extensive drawdown time greater than 48 hours may indicated blockage of the discharge pipe. Corrective actions should be performed and completed within 15 working days. *A written record of the inspection findings and corrective actions performed should be made.*

9. Sediment Removal. A properly designed batch detention basin will accumulate quantities of sediment over time. The accumulated sediment can detract from the appearance of the facility and reduce the pollutant removal performance of the facility. The sediment also tends to accumulate near the outlet structure and can interfere with the level sensor operation. Sediment shall be removed from the basin at least every 5 years, when sediment depth exceeds 6 inches, when the sediment interferes with the level sensor or when the basin does not drain within 48 hours. Care should be taken not to compromise the basin lining during maintenance.

10. Logic Controller. The Logic Controller should be inspected as part of the twice-yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. At the end of the inspection, the controller should be reset.

11. Vegetated Filter Strips. Vegetation height for native grasses shall be limited to no more than 18-inches. When vegetation exceeds that height, the filter strip shall be cut to a height of approximately 4 inches. Turf grass shall be limited to a height of 4-inches with regular maintenance that utilizes a mulching mower. Trash and debris shall be removed from filter

strip prior to cutting. Check filter strip for signs of concentrated flow and erosion. Areas of filter strip showing signs of erosion shall be repaired by scarifying the eroded area, reshaping, regrading, and placement of solid block sod over the affected area. *A written record of the inspection findings and corrective actions performed should be made*

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

13. Recordkeeping Procedures for Inspections, Maintenance, Repairs, and Retrofits.
    - Written records shall be kept by the party responsible for maintenance or a designated representative.
    - Written records shall be retained for a minimum of five years.

ATTACHMENT P

Attachment P – Measures for Minimizing Surface Stream Contamination

Any points where discharge from the site is concentrated and erosive velocities exist will include appropriately sized energy dissipators to reduce velocities to non-erosive levels.

TEMPORARY STORMWATER SECTION (TCEQ-0602)

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

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

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

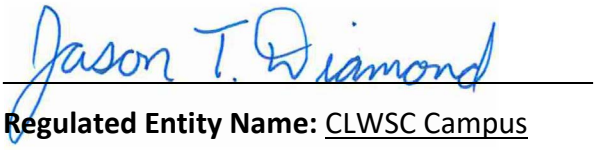
Signature

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

Print Name of Customer/Agent: Jason T. Diamond, P.E.

Date: 07/10/2024

Signature of Customer/Agent:



Regulated Entity Name: CLWSC Campus

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: Construction Staging Area

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

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

☐ 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: Dry Comal 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

Attachment A – Spill Response Actions

In the event of an accidental leak or spill:

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

In the event of an accidental significant or hazardous spill:

The contractor will be required to report significant or hazardous spills in reportable quantities to:

- Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site. https://www.tceq.texas.gov/response/spills/spill_rq.html
- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.

- Notification should first be made by telephone and followed up with a written report.

- The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.

- Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

- Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.

Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 1.4.16. Contractor shall review this section.

ATTACHMENT B

Attachment B – Potential Sources of Contamination

Other potential sources of contamination during construction include:

Potential Source	Preventative Measure
Asphalt products used on this project.	▪ After placement of asphalt, emulsion or coatings, the contractor will be responsible for immediate cleanup should an unexpected rain occur. For the duration of the asphalt product curing time, the contractor will maintain standby personnel and equipment to contain any asphalt wash-off should an unexpected rain occur. The contractor will be instructed not to place asphalt products on the ground within 48 hours of a forecasted rain.
,Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle dripping.	▪ Vehicle maintenance when possible, will be performed within the construction staging area. ▪ Construction vehicles and equipment shall be checked regularly for leaks and repaired immediately.
Accidental leaks or spills of oil, petroleum products and substances listed under 40 CFR parts 110, 117, and 302 used or stored temporarily on site.	▪ Contractor to incorporate into regular safety meetings, a discussion of spill prevention and appropriate disposal procedures. ▪ Contractor's superintendent or representative overseer shall enforce proper spill prevention and control measures. ▪ Hazardous materials and wastes shall be stored in covered containers and protected from vandalism. ▪ A stockpile of spill cleanup materials shall be stored on site where it will be readily accessible.
Miscellaneous trash and litter from construction workers and material wrappings.	▪ Trash containers will be placed throughout the site to encourage proper trash disposal.
Construction debris.	▪ Construction debris will be monitored daily by contractor. Debris will be collected weekly and placed in disposal bins. Situations requiring immediate attention will be addressed on a case-by-case basis.
Spills/Overflow of waste from portable toilets	▪ Portable toilets will be placed away from high-traffic vehicular areas and storm drain inlets. ▪ Portable toilets will be placed on a level ground surface. ▪ Portable toilets will be inspected regularly for leaks and will be serviced and sanitized at time intervals that will maintain sanitary conditions.

ATTACHMENT C

Attachment C – Sequence of Major Activities

The sequence of major activities which disturb soil during construction on this site will be divided into two stages. The first is site preparation that will include installation of TBMPS, clearing and grubbing of vegetation where applicable. This will disturb approximately 16.28 acres. The second is construction that will include construction of a proposed elevated storage tank, commercial office building and warehouse, aboveground storage tank pad construction and tank installation, sidewalks, parking/driveways, grading, drainage and utility infrastructure, the batch detention basin, construction of a new pavement area, landscaping and site cleanup. This will disturb approximately 16.28 acres.

ATTACHMENT D

Attachment D – Temporary Best Management Practices and Measures

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 small amount of upgradient water from approximately 0.69-acres of the FM 3159 right-of-way will cross the site. All TBMPs are adequate for the drainage areas they serve.

b. A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.

Site preparation, which is the initiation of all activity on the project, will disturb the largest amount of soil. Therefore, before any of this work can begin, the clearing and grading contractor will be responsible for the installation of all on-site control measures. The methodology for pollution prevention of on-site stormwater will include: (1) erection of silt fences along the downgradient boundary of construction activities for temporary erosion and sedimentation controls, (2) installation of stabilized construction entrance/exit(s) to reduce the dispersion of sediment from the site, and (3) installation of construction staging area(s).

Prior to the initiation of construction, all previously installed control measures will be repaired or reestablished for their designed or intended purpose. This work, which is the remainder of all activity on the project, may also disturb additional soil. The construction contractor will be responsible for the installation of all remaining on-site control measures that includes installation of the concrete truck washout pit(s), as construction phasing warrants.

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

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

As this site is entirely over the Edwards Aquifer Contributing Zone, a Geologic Assessment was not conducted and is not required; therefore, no sensitive features were identified. There are no surface streams on or immediately adjacent to the site.

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

d. 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.

Since the project is located entirely over the Edwards Contributing Zone, a Geologic Assessment was not conducted and is not required by 30 TAC 213 regulations. Therefore, no naturally-occurring sensitive features are known to exist on the site. 30 TAC 213(f)(2) only applies to projects over the Edwards Recharge Zone.

ATTACHMENT F

Attachment F – Structural Practices

The following structural measures will be installed prior to the initiation of site preparation activities:

- Erection of silt fences along the downgradient boundary of construction activities as located on Exhibit 1 and illustrated in Exhibit 2.
- Installation of stabilized construction entrance/exit(s) and construction staging area(s), as located on Exhibit 1, and illustrated on Exhibit 2.

The following structural measures will be installed at the initiation of construction activities or as appropriate based on the construction sequencing:

- Installation of concrete truck washout pit(s), as required and located on Exhibit 1 and illustrated on Exhibit 2.

ATTACHMENT G

Attachment G – Drainage Area Map

No more than ten (10) acres will be disturbed within a common drainage area at one time as construction of the elevated storage tank, aboveground storage tank pad, warehouse building, and commercial office building will be phased and will not be constructed simultaneously. Refer to included exhibits for additional details. All TBMPs utilized are adequate for the drainage areas served.

ATTACHMENT I

Attachment I – Inspections

Designated and qualified person(s) shall inspect Pollution Control Measures weekly and within 24 hours after a storm event. An inspection report that summarizes the scope of the inspection, names and qualifications of personnel conducting the inspection, date of the inspection, major observations, and actions taken as a result of the inspection shall be recorded and maintained as part of Storm Water TPDES data for a period of three years after the Notice of Termination (NOT) has been filed. A copy of the Inspection Report Form is provided in this Storm Water Pollution Prevention Plan.

As a minimum, the inspector shall observe: (1) significant disturbed areas for evidence of erosion, (2) storage areas for evidence of leakage from the exposed stored materials, (3) structural controls (rock berm outlets, silt fences, drainage swales, etc.) for evidence of failure or excess siltation (over 6 inches deep), (4) vehicle exit point for evidence of off-site sediment tracking, (5) vehicle storage areas for signs of leaking equipment or spills, (6) concrete truck rinse-out pit for signs of potential failure, (7) embankment, spillways, and outlet of sediment basin (where applicable) for erosion damage, and (8) sediment basins (where applicable) for evidence that basin has accumulated 50% of its volume in silt. Deficiencies noted during the inspection will be corrected and documented within seven calendar days following the inspection or before the next anticipated storm event if practicable.

Contractor shall review Sections 1.3 and 1.4 of TCEQ's Technical Guidance Manual for additional BMP inspection and maintenance requirements.

CLWSC CAMPUS
Contributing Zone Plan Modification

Pollution Prevention Measure	Inspected in Compliance	Corrective Action Required	
		Description (use additional sheet if necessary)	Date Completed
Best Management Practices			
Natural vegetation buffer strips			
Temporary vegetation			
Permanent vegetation			
Sediment control basin			
Silt fences			
Rock berms			
Gravel filter bags			
Drain inlet protection			
Other structural controls			
Vehicle exits (off-site tracking)			
Material storage areas (leakage)			
Equipment areas (leaks, spills)			
Concrete washout pit (leaks, failure)			
General site cleanliness			
Trash receptacles			
Evidence of Erosion			
Site preparation			
Roadway or parking lot construction			
Utility construction			
Drainage construction			
Building construction			
Major Observations			
Sediment discharges from site			
BMPs requiring maintenance			
BMPs requiring modification			
Additional BMPs required			

_____ A brief statement describing the qualifications of the inspector is included in this SWP3.

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

"I further certify I am an authorized signatory in accordance with the provisions of 30 TAC §305.128."

Inspector's Name _____ Inspector's Signature _____ Date _____

PROJECT MILESTONE DATES

Date when major site grading activities begin:

Construction Activity	Date
Installation of BMPs	

Dates when construction activities temporarily or permanently cease on all or a portion of the project:

Construction Activity	Date

Dates when stabilization measures are initiated:

Stabilization Activity	Date
Removal of BMPs	

ATTACHMENT J

Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

Interim on-site stabilization measures, which are continuous, will include minimizing soil disturbances by exposing the smallest practical area of land required for the shortest period of time and maximizing use of natural vegetation. As soon as practical, all disturbed soil will be stabilized as per project specifications in accordance with pages 1-35 to 1-60 of TCEQ's Technical Guidance Manual (TGM) RG-348 (2005). Mulching, netting, erosion blankets and seeding are acceptable.

Stabilization measures will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and except as provided below, will be initiated no more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable.

NOTICE OF INTENT
(TCEQ-20022)

TCEQ Office Use Only
Permit No:
CN:
RN:

Notice of Intent (NOI) for an Authorization for Stormwater Discharges Associated with Construction Activity under TPDES General Permit TXR150000

IMPORTANT INFORMATION

Please read and use the General Information and Instructions prior to filling out each question in the NOI form.

Use the NOI Checklist to ensure all required information is completed correctly. **Incomplete applications delay approval or result in automatic denial.**

Once processed your permit authorization can be viewed by entering the following link into your internet browser: http://www2.tceq.texas.gov/wq_dpa/index.cfm or you can contact TCEQ Stormwater Processing Center at 512–239–3700.

ePERMITS

Effective September 1, 2018, this paper form must be submitted to TCEQ with a completed electronic reporting waiver form (TCEQ–20754).

To submit an NOI electronically, enter the following web address into your internet browser and follow the instructions: https://www3.tceq.texas.gov/steers/index.cfm

APPLICATION FEE AND PAYMENT

The application fee for submitting a paper NOI is $325. The application fee for electronic submittal of a NOI through the TCEQ ePermits system (STEERS) is $225.

Payment of the application fee can be submitted by mail or through the TCEQ ePay system. The payment and the NOI must be mailed to separate addresses. To access the TCEQ ePay system enter the following web address into your internet browser: http://www.tceq.texas.gov/epay.

Provide your payment information for verification of payment:

- If payment was mailed to TCEQ, provide the following:
  - Check/Money Order Number: Click here to enter text
  - Name printed on Check: Click here to enter text
- If payment was made via ePay, provide the following:
  - Voucher Number: Click here to enter text
  - A copy of the payment voucher is attached to this paper NOI form.

RENEWAL (This portion of the NOI is not applicable after June 3, 2018)

Is this NOI for a renewal of an existing authorization? ☐ Yes ☐ No

If Yes, provide the authorization number here: TXR15 Click here to enter text.

NOTE: If an authorization number is not provided, a new number will be assigned.

SECTION 1. OPERATOR (APPLICANT)

a) If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? CN Click here to enter text.

(Refer to Section 1.a) of the Instructions)

b) What is the Legal Name of the entity (applicant) applying for this permit? (The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.)

Click here to enter text.

c) What is the contact information for the Operator (Responsible Authority)?

Prefix (Mr. Ms. Miss): Click here to enter text.

First and Last Name: Click here to enter text. Suffix: Click here to enter text.

Title: Click here to enter text. Credentials: Click here to enter text.

Phone Number: Click here to enter text. Fax Number: Click here to enter text.

E–mail: Click here to enter text.

Mailing Address: Click here to enter text.

City, State, and Zip Code: Click here to enter text.

Mailing Information if outside USA:

Territory: Click here to enter text.

Country Code: Click here to enter text. Postal Code: Click here to enter text.

d) Indicate the type of customer:

☐ Individual
☐ Limited Partnership
☐ General Partnership
☐ Trust
☐ Sole Proprietorship (D.B.A.)
☐ Corporation
☐ Estate
☐ Federal Government
☐ County Government
☐ State Government
☐ City Government
☐ Other Government
☐ Other: Click here to enter text.

e) Is the applicant an independent operator? ☐ Yes ☐ No

(If a governmental entity, a subsidiary, or part of a larger corporation, check No.)

f) Number of Employees. Select the range applicable to your company.

☐ 0–20
☐ 21–100
☐ 101–250
☐ 251–500
☐ 501 or higher

g) Customer Business Tax and Filing Numbers: (**Required** for Corporations and Limited Partnerships. **Not Required** for Individuals, Government, or Sole Proprietors.)

State Franchise Tax ID Number: Click here to enter text.

Federal Tax ID: Click here to enter text.

Texas Secretary of State Charter (filing) Number: Click here to enter text.

DUNS Number (if known): Click here to enter text.

SECTION 2. APPLICATION CONTACT

Is the application contact the same as the applicant identified above?

☐ Yes, go to Section 3

☐ No, complete this section

Prefix (Mr. Ms. Miss): Click here to enter text.

First and Last Name: Click here to enter text. Suffix: Click here to enter text.

Title: Click here to enter text. Credential: Click here to enter text.

Organization Name: Click here to enter text.

Phone Number: Click here to enter text. Fax Number: Click here to enter text.

E–mail: Click here to enter text.

Mailing Address: Click here to enter text.

Internal Routing (Mail Code, Etc.): Click here to enter text.

City, State, and Zip Code: Click here to enter text.

Mailing information if outside USA:

Territory: Click here to enter text.

Country Code: Click here to enter text. Postal Code: Click here to enter text.

SECTION 3. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

a) If this is an existing permitted site, what is the Regulated Entity Number (RN) issued to this site? RN Click here to enter text.

(Refer to Section 3.a) of the Instructions)

b) Name of project or site (the name known by the community where it's located): CLWSC Campus

c) In your own words, briefly describe the type of construction occurring at the regulated site (residential, industrial, commercial, or other): commercial

d) County or Counties (if located in more than one): Comal

e) Latitude: 29.814892 N Longitude: -98.297692 W

f) Site Address/Location

If the site has a physical address such as 12100 Park 35 Circle, Austin, TX 78753, complete *Section A*.

If the site does not have a physical address, provide a location description in *Section B*. Example: located on the north side of FM 123, 2 miles west of the intersection of FM 123 and Highway 1.

Section A:

Street Number and Name: Click here to enter text

City, State, and Zip Code: Click here to enter text

Section B:

Location Description: 0.4 mi SW of FM 3159 & Cranes Mill Rd intersection

City (or city nearest to) where the site is located: Canyon Lake

Zip Code where the site is located: 78132

SECTION 4. GENERAL CHARACTERISTICS

a) Is the project or site located on Indian Country Lands?

☐ Yes, do not submit this form. You must obtain authorization through EPA Region 6.

☒ No

b) Is your construction activity associated with a facility that, when completed, would be associated with the exploration, development, or production of oil or gas or geothermal resources?

☐ Yes. Note: The construction stormwater runoff may be under jurisdiction of the Railroad Commission of Texas and may need to obtain authorization through EPA Region 6.

☒ No

c) What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site? 4941

d) What is the Secondary SIC Code(s), if applicable? Click here to enter text

e) What is the total number of acres to be disturbed? 16.28

f) Is the project part of a larger common plan of development or sale?

☐ Yes

☒ No. The total number of acres disturbed, provided in e) above, must be 5 or more. If the total number of acres disturbed is less than 5, do not submit this form. See the requirements in the general permit for small construction sites.

g) What is the estimated start date of the project? May 1, 2022 (ongoing)

h) What is the estimated end date of the project? May 1, 2025

i) Will concrete truck washout be performed at the site? ☒ Yes ☐ No

j) What is the name of the first water body(ies) to receive the stormwater runoff or potential runoff from the site? Dry Comal Creek

k) What is the segment number(s) of the classified water body(ies) that the discharge will eventually reach? 1811A_01

l) Is the discharge into a Municipal Separate Storm Sewer System (MS4)?

☐ Yes ☒ No

If Yes, provide the name of the MS4 operator: Click here to enter text

Note: The general permit requires you to send a copy of this NOI form to the MS4 operator.

m) Is the discharge or potential discharge from the site within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, as defined in 30 TAC Chapter 213?

☒ Yes, complete the certification below.

☐ No, go to Section 5

I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or referenced in the Stormwater Pollution Prevention Plan will be implemented. ☒ Yes

SECTION 5. NOI CERTIFICATION

a) I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000). ☐ Yes

b) I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas. ☐ Yes

c) I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed. ☐ Yes

d) I certify that a Stormwater Pollution Prevention Plan has been developed, will be implemented prior to construction and to the best of my knowledge and belief is compliant with any applicable local sediment and erosion control plans, as required in the Construction General Permit (TXR150000). ☐ Yes

Note: For multiple operators who prepare a shared SWP3, the confirmation of an operator may be limited to its obligations under the SWP3, provided all obligations are confirmed by at least one operator.

SECTION 6. APPLICANT CERTIFICATION SIGNATURE

Operator Signatory Name: Click here to enter text.

Operator Signatory Title: Click here to enter text.

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

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature (use blue ink): _____Date: _____

NOTICE OF INTENT CHECKLIST (TXR150000)

Did you complete everything? Use this checklist to be sure!

Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

Confirm each item (or applicable item) in this form is complete. This checklist is for use by the applicant to ensure a complete application is being submitted. **Missing information may result in denial of coverage under the general permit.** (See NOI process description in the General Information and Instructions.)

APPLICATION FEE

If paying by check:

☐ Check was mailed **separately** to the TCEQs Cashier's Office. (See Instructions for Cashier's address and Application address.)

☐ Check number and name on check is provided in this application.

If using ePay:

☐ The voucher number is provided in this application and a copy of the voucher is attached.

RENEWAL

☐ If this application is for renewal of an existing authorization, the authorization number is provided.

OPERATOR INFORMATION

☐ Customer Number (CN) issued by TCEQ Central Registry

☐ Legal name as filed to do business in Texas. (Call TX SOS 512–463–5555 to verify.)

☐ Name and title of responsible authority signing the application.

☐ Phone number and e–mail address

☐ Mailing address is complete & verifiable with USPS. www.usps.com

☐ Type of operator (entity type). Is applicant an independent operator?

☐ Number of employees.

☐ For corporations or limited partnerships – Tax ID and SOS filing numbers.

☐ Application contact and address is complete & verifiable with USPS. http://www.usps.com

REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

☐ Regulated Entity Number (RN) (if site is already regulated by TCEQ)

☐ Site/project name and construction activity description

☐ County

☐ Latitude and longitude http://www.tceq.texas.gov/gis/sqmaview.html

☐ Site Address/Location. Do not use a rural route or post office box.

GENERAL CHARACTERISTICS

☐ Indian Country Lands –the facility is not on Indian Country Lands.

☐ Construction activity related to facility associated to oil, gas, or geothermal resources

☐ Primary SIC Code that best describes the construction activity being conducted at the site. www.osha.gov/oshstats/sicser.html

☐ Estimated starting and ending dates of the project.

☐ Confirmation of concrete truck washout.

☐ Acres disturbed is provided and qualifies for coverage through a NOI.

☐ Common plan of development or sale.

☐ Receiving water body or water bodies.

☐ Segment number or numbers.

☐ MS4 operator.

☐ Edwards Aquifer rule.

CERTIFICATION

☐ Certification statements have been checked indicating Yes.

☐ Signature meets 30 Texas Administrative Code (TAC) §305.44 and is original.

Instructions for Notice of Intent (NOI) for Stormwater Discharges Associated with Construction Activity under TPDES General Permit (TXR150000)

GENERAL INFORMATION

Where to Send the Notice of Intent (NOI):

By Regular Mail:
TCEQ
Stormwater Processing Center (MC228)
P.O. Box 13087
Austin, Texas 78711–3087

By Overnight or Express Mail:
TCEQ
Stormwater Processing Center (MC228)
12100 Park 35 Circle
Austin, TX

Application Fee:

The application fee of $325 is required to be paid at the time the NOI is submitted. Failure to submit payment at the time the application is filed will cause delays in acknowledgment or denial of coverage under the general permit. Payment of the fee may be made by check or money order, payable to TCEQ, or through EPAY (electronic payment through the web).

Mailed Payments:

Use the attached General Permit Payment Submittal Form. The application fee is submitted to a different address than the NOI. Read the General Permit Payment Submittal Form for further instructions, including the address to send the payment.

ePAY Electronic Payment: http://www.tceq.texas.gov/epay

When making the payment you must select Water Quality, and then select the fee category "General Permit Construction Storm Water Discharge NOI Application". You must include a copy of the payment voucher with your NOI. Your NOI will not be considered complete without the payment voucher.

TCEQ Contact List:

Application – status and form questions:	512–239–3700,
swpermit@tceq.texas.gov Technical questions:	512–239–4671, swgp@tceq.texas.gov
Environmental Law Division:	512–239–0600
Records Management – obtain copies of forms:	512–239–0900
Reports from databases (as available):	512–239–DATA (3282)
Cashier's office:	512–239–0357 or 512–239–0187

Notice of Intent Process:

When your NOI is received by the program, the form will be processed as follows:

- **Administrative Review**: Each item on the form will be reviewed for a complete response. In addition, the operator's legal name must be verified with Texas Secretary of State as valid and active (if applicable). The address(es) on the form must be verified with the US Postal service as receiving regular mail delivery. Do not give an overnight/express mailing address.

- **Notice of Deficiency:** If an item is incomplete or not verifiable as indicated above, a notice of deficiency (NOD) will be mailed to the operator. The operator will have 30 days to respond to the NOD. The response will be reviewed for completeness.
- **Acknowledgment of Coverage:** An Acknowledgment Certificate will be mailed to the operator. This certificate acknowledges coverage under the general permit.

  or

  Denial of Coverage: If the operator fails to respond to the NOD or the response is inadequate, coverage under the general permit may be denied. If coverage is denied, the operator will be notified.

General Permit (Your Permit)

For NOIs submitted **electronically** through ePermits, provisional coverage under the general permit begins immediately following confirmation of receipt of the NOI form by the TCEQ.

For **paper** NOIs, provisional coverage under the general permit begins **7 days after a completed NOI is postmarked for delivery** to the TCEQ.

You should have a copy of your general permit when submitting your application. You may view and print your permit for which you are seeking coverage, on the TCEQ web site http://www.tceq.texas.gov. Search using keyword TXR150000.

Change in Operator

An authorization under the general permit is not transferable. If the operator of the regulated project or site changes, the present permittee must submit a Notice of Termination and the new operator must submit a Notice of Intent. The NOT and NOI must be submitted no later than 10 days prior to the change in Operator status.

TCEQ Central Registry Core Data Form

The Core Data Form has been incorporated into this form. Do not send a Core Data Form to TCEQ. After final acknowledgment of coverage under the general permit, the program will assign a Customer Number and Regulated Entity Number, if one has not already been assigned to this customer or site.

For existing customers and sites, you can find the Customer Number and Regulated Entity Number by entering the following web address into your internet browser: http://www15.tceq.texas.gov/crpub/ or you can contact the TCEQ Stormwater Processing Center at 512–239–3700 for assistance. On the website, you can search by your permit number, the Regulated Entity (RN) number, or the Customer Number (CN). If you do not know these numbers, you can select “Advanced Search” to search by permittee name, site address, etc.

The Customer (Permittee) is responsible for providing consistent information to the TCEQ, and for updating all CN and RN data for all authorizations as changes occur. For this permit, a Notice of Change form must be submitted to the program area.

INSTRUCTIONS FOR FILLING OUT THE NOI FORM

Renewal of General Permit. Dischargers holding active authorizations under the expired General Permit are required to submit a NOI to continue coverage. The existing permit number is required. If the permit number is not provided or has been terminated, expired, or denied, a new permit number will be issued.

Section 1. OPERATOR (APPLICANT)

a) Customer Number (CN)

TCEQ's Central Registry will assign each customer a number that begins with CN, followed by nine digits. **This is not a permit number, registration number, or license number**.

If the applicant is an existing TCEQ customer, the Customer Number is available at the following website: http://www15.tceq.texas.gov/crpub/. If the applicant is not an existing TCEQ customer, leave the space for CN blank.

b) Legal Name of Applicant

Provide the current legal name of the applicant. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or on other legal documents forming the entity, as filed in the county. You may contact the SOS at 512–463–5555, for more information related to filing in Texas. If filed in the county, provide a copy of the legal documents showing the legal name.

c) Contact Information for the Applicant (Responsible Authority)

Provide information for the person signing the application in the Certification section. This person is also referred to as the Responsible Authority.

Provide a complete mailing address for receiving mail from the TCEQ. The mailing address must be recognized by the US Postal Service. You may verify the address on the following website: https://tools.usps.com/go/ZipLookupAction!input.action.

The phone number should provide contact to the applicant.

The fax number and e–mail address are optional and should correspond to the applicant.

d) Type of Customer (Entity Type)

Check only one box that identifies the type of entity. Use the descriptions below to identify the appropriate entity type. Note that the selected entity type also indicates the name that must be provided as an applicant for an authorization.

Individual

An individual is a customer who has not established a business, but conducts an activity that needs to be regulated by the TCEQ.

Partnership

A customer that is established as a partnership as defined by the Texas Secretary of State Office (TX SOS). If the customer is a 'General Partnership' or 'Joint Venture' filed in the county (not filed with TX SOS), the legal name of each partner forming the 'General Partnership' or 'Joint Venture' must be provided. Each 'legal entity' must apply as a co–applicant.

Trust or Estate

A trust and an estate are fiduciary relationships governing the trustee/executor with respect to the trust/estate property.

Sole Proprietorship (DBA)

A sole proprietorship is a customer that is owned by only one person and has not been incorporated. This business may:

1. be under the person's name
2. have its own name (doing business as or DBA)
3. have any number of employees.

If the customer is a Sole Proprietorship or DBA, the 'legal name' of the individual business 'owner' must be provided. The DBA name is not recognized as the 'legal name' of the entity. The DBA name may be used for the site name (regulated entity).

Corporation

A customer that meets all of these conditions:

1. is a legally incorporated entity under the laws of any state or country
2. is recognized as a corporation by the Texas Secretary of State
3. has proper operating authority to operate in Texas

The corporation's 'legal name' as filed with the Texas Secretary of State must be provided as applicant. An 'assumed' name of a corporation is not recognized as the 'legal name' of the entity.

Government

Federal, state, county, or city government (as appropriate)

The customer is either an agency of one of these levels of government or the governmental body itself. The government agency's 'legal name' must be provided as the applicant. A department name or other description of the organization is not recognized as the 'legal name'.

Other

This may include a utility district, water district, tribal government, college district, council of governments, or river authority. Provide the specific type of government.

e) Independent Entity

Check No if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check Yes.

f) Number of Employees

Check one box to show the number of employees for this customer's entire company, at all locations. This is not necessarily the number of employees at the site named in the application.

g) Customer Business Tax and Filing Numbers

These are required for Corporations and Limited Partnerships. These are not required for Individuals, Government, and Sole Proprietors.

State Franchise Tax ID Number

Corporations and limited liability companies that operate in Texas are issued a franchise tax identification number. If this customer is a corporation or limited liability company, enter the Tax ID number.

Federal Tax ID

All businesses, except for some small sole proprietors, individuals, or general partnerships should have a federal taxpayer identification number (TIN). Enter this number here. Use no prefixes, dashes, or hyphens. Sole proprietors, individuals, or general partnerships do not need to provide a federal tax ID.

TX SOS Charter (filing) Number

Corporations and Limited Partnerships required to register with the Texas Secretary of State are issued a charter or filing number. You may obtain further information by calling SOS at 512–463–5555.

DUNS Number

Most businesses have a DUNS (Data Universal Numbering System) number issued by Dun and Bradstreet Corp. If this customer has one, enter it here.

Section 2. APPLICATION CONTACT

Provide the name and contact information for the person that TCEQ can contact for additional information regarding this application.

Section 3. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

a) Regulated Entity Number (RN)

The RN is issued by TCEQ's Central Registry to sites where an activity is regulated by TCEQ. This is not a permit number, registration number, or license number. Search TCEQ's Central Registry to see if the site has an assigned RN at http://www15.tceq.texas.gov/crpub/. If this regulated entity has not been assigned an RN, leave this space blank.

If the site of your business is part of a larger business site, an RN may already be assigned for the larger site. Use the RN assigned for the larger site.

If the site is found, provide the assigned RN and provide the information for the site to be authorized through this application. The site information for this authorization may vary from the larger site information.

An example is a chemical plant where a unit is owned or operated by a separate corporation that is accessible by the same physical address of your unit or facility. Other examples include industrial parks identified by one common address but different corporations have control of defined areas within the site. In both cases, an RN would be assigned for the physical address location and the permitted sites would be identified separately under the same RN.

b) Name of the Project or Site

Provide the name of the site or project as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity name.

c) Description of Activity Regulated

In your own words, briefly describe the primary business that you are doing that requires this authorization. Do not repeat the SIC Code description.

d) County

Provide the name of the county where the site or project is located. If the site or project is located in more than one county, provide the county names as secondary.

e) Latitude and Longitude

Enter the latitude and longitude of the site in degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to: http://www.tceq.texas.gov/gis/sqmaview.html.

f) Site Address/Location

If a site has an address that includes a street number and street name, enter the complete address for the site in *Section A*. If the physical address is not recognized as a USPS delivery address, you may need to validate the address with your local police (911 service) or through an online map site used to locate a site. Please confirm this to be a complete and valid address. Do not use a rural route or post office box for a site location.

If a site does not have an address that includes a street number and street name, provide a complete written location description in *Section B.* For example: "The site is located on the north side of FM 123, 2 miles west of the intersection of FM 123 and Highway 1."

Provide the city (or nearest city) and zip code of the site location.

Section 4. GENERAL CHARACTERISTICS

a) Indian Country Lands

If your site is located on Indian Country Lands, the TCEQ does not have authority to process your application. You must obtain authorization through EPA Region 6, Dallas. Do not submit this form to TCEQ.

b) Construction activity associated with facility associated with exploration, development, or production of oil, gas, or geothermal resources

If your activity is associated with oil and gas exploration, development, or production, you may be under jurisdiction of the Railroad Commission of Texas (RRC) and may need to obtain authorization from EPA Region 6.

Construction activities associated with a facility related to oil, gas or geothermal resources may include the construction of a well site; treatment or storage facility; underground hydrocarbon or natural gas storage facility; reclamation plant; gas processing facility; compressor station; terminal facility where crude oil is stored prior to refining and at which refined products are stored solely for use at the facility; a

carbon dioxide geologic storage facility; and a gathering, transmission, or distribution pipeline that will transport crude oil or natural gas, including natural gas liquids, prior to refining of such oil or the use of the natural gas in any manufacturing process or as a residential or industrial fuel.

Where required by federal law, discharges of stormwater associated with construction activities under the RRC's jurisdiction must be authorized by the EPA and the RRC, as applicable. Activities under RRC jurisdiction include construction of a facility that, when completed, would be associated with the exploration, development, or production of oil or gas or geothermal resources, such as a well site; treatment or storage facility; underground hydrocarbon or natural gas storage facility; reclamation plant; gas processing facility; compressor station; terminal facility where crude oil is stored prior to refining and at which refined products are stored solely for use at the facility; a carbon dioxide geologic storage facility under the jurisdiction of the RRC; and a gathering, transmission, or distribution pipeline that will transport crude oil or natural gas, including natural gas liquids, prior to refining of such oil or the use of the natural gas in any manufacturing process or as a residential or industrial fuel. The RRC also has jurisdiction over stormwater from land disturbance associated with a site survey that is conducted prior to construction of a facility that would be regulated by the RRC. Under 33 U.S.C. §1342(l)(2) and §1362(24), EPA cannot require a permit for discharges of stormwater from field activities or operations associated with {oil and gas} exploration, production, processing, or treatment operations, or transmission facilities, including activities necessary to prepare a site for drilling and for the movement and placement of drilling equipment, whether or not such field activities or operations may be considered to be construction activities unless the discharge is contaminated by contact with any overburden, raw material, intermediate product, finished product, byproduct, or waste product located on the site of the facility. Under §3.8 of this title (relating to Water Protection), the RRC prohibits operators from causing or allowing pollution of surface or subsurface water. Operators are encouraged to implement and maintain best management practices (BMPs) to minimize discharges of pollutants, including sediment, in stormwater during construction activities to help ensure protection of surface water quality during storm events.

For more information about the jurisdictions of the RRC and the TCEQ, read the Memorandum of Understanding (MOU) between the RRC and TCEQ at 16 Texas Administrative Code, Part 1, Chapter 3, Rule 3.30, by entering the following link into an internet browser: http://texreg.sos.state.tx.us/public/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=30 or contact the TCEQ Stormwater Team at 512–239–4671 for additional information.

c) Primary Standard Industrial Classification (SIC) Code

Provide the SIC Code that best describes the construction activity being conducted at this site.

Common SIC Codes related to construction activities include:

- 1521 – Construction of Single Family Homes
- 1522 – Construction of Residential Buildings Other than Single Family Homes
- 1541 – Construction of Industrial Buildings and Warehouses

- 1542 – Construction of Non–residential Buildings, other than Industrial Buildings and Warehouses
- 1611 – Highway and Street Construction, except Highway Construction
- 1622 – Bridge, Tunnel, and Elevated Highway Construction
- 1623 – Water, Sewer, Pipeline and Communications, and Power Line Construction

For help with SIC Codes, enter the following link into your internet browser: http://www.osha.gov/pls/imis/sicsearch.html or you can contact the TCEQ Small Business and Local Government Assistance Section at 800–447–2827 for assistance.

d) Secondary SIC Code

Secondary SIC Code(s) may be provided. Leave this blank if not applicable. For help with SIC Codes, enter the following link into your internet browser: http://www.osha.gov/pls/imis/sicsearch.html or you can contact the TCEQ Small Business and Environmental Assistance Section at 800–447–2827 for assistance.

e) Total Number of Acres Disturbed

Provide the approximate number of acres that the construction site will disturb. Construction activities that disturb less than one acre, unless they are part of a larger common plan that disturbs more than one acre, do not require permit coverage. Construction activities that disturb between one and five acres, unless they are part of a common plan that disturbs more than five acres, do not require submission of an NOI. Therefore, the estimated area of land disturbed should not be less than five, unless the project is part of a larger common plan that disturbs five or more acres. Disturbed means any clearing, grading, excavating, or other similar activities.

If you have any questions about this item, please contact the stormwater technical staff by phone at 512–239–4671 or by email at swgp@tceq.texas.gov.

f) Common Plan of Development

Construction activities that disturb less than five acres do not require submission of an NOI unless they are part of a common plan of development or for sale where the area disturbed is five or more acres. Therefore, the estimated area of land disturbed should not be less than five, unless the project is part of a larger common plan that disturbs five or more acres. Disturbed means any clearing, grading, excavating, or other similar activities.

For more information on what a common plan of development is, refer to the definition of "Common Plan of Development" in the Definitions section of the general permit or enter the following link into your internet browser: www.tceq.texas.gov/permitting/stormwater/common_plan_of_development_steps.html

For further information, go to the TCEQ stormwater construction webpage enter the following link into your internet browser: www.tceq.texas.gov/goto/construction and search for "Additional Guidance and Quick Links". If you have any further questions about the Common Plan of Development you can contact the TCEQ Stormwater Team at 512–239–4671 or the TCEQ Small Business and Environmental Assistance at 800–447–2827.

g) Estimated Start Date of the Project

This is the date that any construction activity or construction support activity is initiated at the site. If renewing the permit provide the original start date of when construction activity for this project began.

h) Estimated End Date of the Project

This is the date that any construction activity or construction support activity will end and final stabilization will be achieved at the site.

i) Will concrete truck washout be performed at the site?

Indicate if you expect that operators of concrete trucks will washout concrete trucks at the construction site.

j) Identify the water body(s) receiving stormwater runoff

The stormwater may be discharged directly to a receiving stream or through a MS4 from your site. It eventually reaches a receiving water body such as a local stream or lake, possibly via a drainage ditch. You must provide the name of the water body that receives the discharge from the site (a local stream or lake).

If your site has more than one outfall you need to include the name of the first water body for each outfall, if they are different.

k) Identify the segment number(s) of the classified water body(s)

Identify the classified segment number(s) receiving a discharge directly or indirectly. Enter the following link into your internet browser to find the segment number of the classified water body where stormwater will flow from the site: www.tceq.texas.gov/waterquality/monitoring/viewer.html or by contacting the TCEQ Water Quality Division at (512) 239–4671 for assistance.

You may also find the segment number in TCEQ publication GI–316 by entering the following link into your internet browser: www.tceq.texas.gov/publications/gi/gi–316 or by contacting the TCEQ Water Quality Division at (512) 239–4671 for assistance.

If the discharge is into an unclassified receiving water and then crosses state lines prior to entering a classified segment, select the appropriate watershed:

- 0100 (Canadian River Basin)
- 0200 (Red River Basin)
- 0300 (Sulfur River Basin)
- 0400 (Cypress Creek Basin)
- 0500 (Sabine River Basin)

Call the Water Quality Assessments section at 512–239–4671 for further assistance.

l) Discharge into MS4 – Identify the MS4 Operator

The discharge may initially be into a municipal separate storm sewer system (MS4). If the stormwater discharge is into an MS4, provide the name of the entity that operates the MS4 where the stormwater discharges. An MS4 operator is often a city, town, county, or utility district, but possibly can be another form of government. Please note that the Construction General Permit requires the Operator to supply the MS4 with a

copy of the NOI submitted to TCEQ. For assistance, you may call the technical staff at 512–239–4671.

m) Discharges to the Edwards Aquifer Recharge Zone and Certification

The general permit requires the approved Contributing Zone Plan or Water Pollution Abatement Plan to be included or referenced as a part of the Stormwater Pollution Prevention Plan.

See maps on the TCEQ website to determine if the site is located within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer by entering the following link into an internet browser: www.tceq.texas.gov/field/eapp/viewer.html or by contacting the TCEQ Water Quality Division at 512–239–4671 for assistance.

If the discharge or potential discharge is within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, a site–specific authorization approved by the Executive Director under the Edwards Aquifer Protection Program (30 TAC Chapter 213) is required before construction can begin.

For questions regarding the Edwards Aquifer Protection Program, contact the appropriate TCEQ Regional Office. For projects in Hays, Travis and Williamson Counties: Austin Regional Office, 12100 Park 35 Circle, Austin, TX 78753, 512–339–2929. For Projects in Bexar, Comal, Kinney, Medina and Uvalde Counties: TCEQ San Antonio Regional Office, 14250 Judson Rd., San Antonio, TX 78233–4480, 210–490–3096.

Section 5. NOI CERTIFICATION

Note: Failure to indicate Yes to all of the certification items may result in denial of coverage under the general permit.

a) Certification of Understanding the Terms and Conditions of Construction General Permit (TXR150000)

Provisional coverage under the Construction General Permit (TXR150000) begins 7 days after the completed paper NOI is postmarked for delivery to the TCEQ. Electronic applications submitted through ePermits have immediate provisional coverage. You must obtain a copy and read the Construction General Permit before submitting your application. You may view and print the Construction General Permit for which you are seeking coverage at the TCEQ web site by entering the following link into an internet browser: www.tceq.texas.gov/goto/construction or you may contact the TCEQ Stormwater processing Center at 512–239–3700 for assistance.

b) Certification of Legal Name

The full legal name of the applicant as authorized to do business in Texas is required. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or on other legal documents forming the entity, that is filed in the county where doing business. You may contact the SOS at 512–463 5555, for more information related to filing in Texas.

c) Understanding of Notice of Termination

A permittee shall terminate coverage under the Construction General Permit through the submittal of a NOT when the operator of the facility changes, final stabilization has

been reached, the discharge becomes authorized under an individual permit, or the construction activity never began at this site.

d) Certification of Stormwater Pollution Prevention Plan

The SWP3 identifies the areas and activities that could produce contaminated runoff at your site and then tells how you will ensure that this contamination is mitigated. For example, in describing your mitigation measures, your site's plan might identify the devices that collect and filter stormwater, tell how those devices are to be maintained, and tell how frequently that maintenance is to be carried out. You must develop this plan in accordance with the TCEQ general permit requirements. This plan must be developed and implemented before you complete this NOI. The SWP3 must be available for a TCEQ investigator to review on request.

Section 6. APPLICANT CERTIFICATION SIGNATURE

The certification must bear an original signature of a person meeting the signatory requirements specified under 30 Texas Administrative Code (TAC) §305.44.

If you are a corporation:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(1) (see below). According to this code provision, any corporate representative may sign an NOI or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the NOI or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

If you are a municipality or other government entity:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(3) (see below). According to this code provision, only a ranking elected official or principal executive officer may sign an NOI or similar form. Persons such as the City Mayor or County Commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statute(s) under which your government entity was formed. An NOI or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to §305.44(a)(3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the NOI or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.

If you have any questions or need additional information concerning the signatory requirements discussed above, please contact the TCEQ's Environmental Law Division at 512–239–0600.

30 Texas Administrative Code

§305.44. Signatories to Applications

(a) All applications shall be signed as follows.

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice–president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision–making functions for the

corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second–quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post–closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

(2) For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

(3) For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

Texas Commission on Environmental Quality
General Permit Payment Submittal Form

Use this form to submit your Application Fee only if you are mailing your payment.

Instructions:

- Complete items 1 through 5 below:
- Staple your check in the space provided at the bottom of this document.
- *Do not mail this form with your NOI form.*
- *Do not mail this form to the same address as your NOI.*

Mail this form and your check to either of the following:

By Regular U.S. Mail
Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC–214
P.O. Box 13088
Austin, TX 78711–3088

By Overnight or Express Mail
Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC–214
12100 Park 35 Circle
Austin, TX 78753

Fee Code: GPA General Permit: TXR150000

1. Check or Money Order No: Click here to enter text
2. Amount of Check/Money Order: Click here to enter text
3. Date of Check or Money Order: Click here to enter text
4. Name on Check or Money Order: Click here to enter text
5. NOI Information:

   If the check is for more than one NOI, list each Project or Site (RE) Name and Physical Address exactly as provided on the NOI. **Do not submit a copy of the NOI with this form, as it could cause duplicate permit application entries!**

   If there is not enough space on the form to list all of the projects or sites the authorization will cover, then attach a list of the additional sites.

   Project/Site (RE) Name: Click here to enter text

   Project/Site (RE) Physical Address: Click here to enter text

Staple the check or money order to this form in this space.

AGENT AUTHORIZATION FORM (TCEQ-0599)

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

I Thomas Hodge,
Print Name

President,
Title - Owner/President/Other

of SJWTX, Inc. dba Canyon Lake Water Service Company,
Corporation/Partnership/Entity Name

have authorized **Pape-Dawson Consulting Engineers, LLC**
Print Name of Agent/Engineer

of **Pape-Dawson Consulting Engineers, LLC**
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

11/4/21
Date

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Thomas Hodge 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 4th day of November, 2021.

NOTARY PUBLIC

MICHELLE MARIE CLIFTON
Notary Public, State of Texas
Comm. Expires 02-20-2025
Notary ID 125993905

Michelle Clifton
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 2/20/2025

APPLICATION FEE FORM (TCEQ-0574)

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: CLWSC Campus

Regulated Entity Location: Approx. 0.45 miles southwest of the F.M. 3159 and Cranes Mill Rd intersection

Name of Customer: SJWTX, Inc.

Contact Person: Heath Woods, P.E. Phone: 830-312-4551

Customer Reference Number (if issued):CN 602969396

Regulated Entity Reference Number (if issued):RN 111386850

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	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	16.28 Acres	$ 6,500
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: Jason T. Diamond Date: 2/28/24

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

CORE DATA FORM
(TCEQ-10400)

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 602969396		RN 111386850

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*) *If new Customer, enter previous Customer below:*

SJWTX, 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*)
N/A	10240132529	20-4013252	N/A

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ 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 ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address:							
	Canyon Lake Water Service Company						
	1399 Sattler Road						
	City	New Braunfels	State	TX	ZIP	78132	ZIP + 4

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

18. Telephone Number	19. Extension or Code	20. Fax Number (*if applicable*)
(830) 312-4551		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (*If 'New Regulated Entity" is selected below this form should be accompanied by a permit application*)

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

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

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

CLWSC Campus

23. Street Address of the Regulated Entity: *(No PO Boxes)*							
	City		**State**		**ZIP**		**ZIP + 4**
24. County	Comal						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	Approx. 0.4 miles southwest of F.M. 3159 and Cranes Mill Road intersection

26. Nearest City	**State**	**Nearest ZIP Code**
Canyon Lake	TX	78132

27. Latitude (N) In Decimal:	29.814892		**28. Longitude (W) In Decimal:**	-98.297692	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	48	53.61	98	17	51.69

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)
4941		221310	

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

Potable Water Distribution

34. Mailing Address:	**Canyon Lake Water Service Company**						
	1399 Sattler Road						
	City	**New Braunfels**	**State**	**TX**	**ZIP**	**78132**	**ZIP + 4**

35. E-Mail Address:	

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(830) 312-4551		**( ) -**

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	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Jason T. Diamond, P.E.	**41. Title:**	Vice President

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(210) 375-9000		(210) 375-9010	jdiamond@pape-dawson.com

SECTION V: Authorized Signature

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

Company:	Pape-Dawson Consulting Engineers, LLC	**Job Title:**	Vice President
Name *(In Print):*	Jason T. Diamond, P.E.	**Phone:**	(210) 375- **9000**
Signature:	Jason T. Diamond	**Date:**	07/10/2024

POLLUTANT LOAD AND REMOVAL CALCULATIONS

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **CLWSC Campus**
Date Prepared: **12/14/2021**

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadshe

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

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

where:

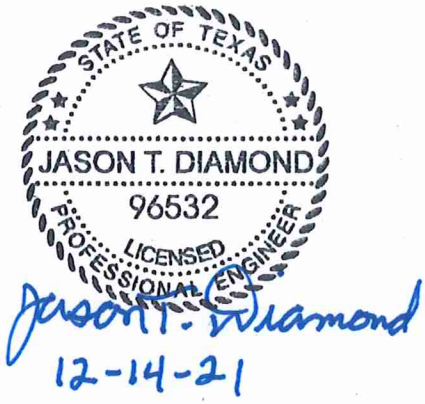
$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

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

County =	Comal	
Total project area included in plan * =	16.28	acres
Predevelopment impervious area within the limits of the plan * =	0.00	acres
Total post-development impervious area within the limits of the plan* =	7.27	acres
Total post-development impervious cover fraction * =	0.45	
P =	33	inches
$L_{M\ TOTAL\ PROJECT}$ =	6526	lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = 1



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

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	14.48	acres
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres
Post-development impervious area within drainage basin/outfall area =	7.21	acres
Post-development impervious fraction within drainage basin/outfall area =	0.50	
$L_{M\ THIS\ BASIN}$ =	6472	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Extended Detention**
Removal efficiency = 91 percent

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

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

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

where:

A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	14.48	acres
A_I =	7.21	acres
A_P =	7.27	acres
L_R =	7609	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = 6521 lbs.

F = 0.86

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth =	1.38	inches
Post Development Runoff Coefficient =	0.36	
On-site Water Quality Volume =	25849	cubic feet

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

Off-site area draining to BMP =	0.69	acres
Off-site Impervious cover draining to BMP =	0.03	acres
Impervious fraction of off-site area =	0.04	
Off-site Runoff Coefficient =	0.07	
Off-site Water Quality Volume =	242	cubic feet
Storage for Sediment =	5218	
Total Capture Volume (required water quality volume(s) x 1.20) =	31309	cubic feet

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

Jason T. Diamond
12-14-21

EXHIBITS

SEQUENCE OF OPERATION

1. UPON ACTIVATION OF FLOAT SWITCH, DDC CONTROLLER TO START DETENTION TIMER #1.
2. DETENTION TIMER #1 TO BE MANUALLY SET TO 12 HOURS AND TO BE USER ADJUSTABLE VALUE.
3. WHEN DETENTION TIMER #1 HAS ELAPSED, A 6" BUTTERFLY VALVE IS TO OPEN AND RELEASE DETAINED WATER BASIN.
4. UPON DEACTIVATION OF FLOAT SWITCH, DDC CONTROLLER TO START DETENTION TIMER #2.
5. DETENTION TIMER #2 TO BE MANUALLY SET TO 20 HOURS AND TO BE USER ADJUSTABLE.
6. WHEN DETENTION TIMER #2 HAS ELAPSED, THE 6" BUTTERFLY VALVE IS TO CLOSE.
7. VALVE TO BE ACTUATED PERIODICALLY TO SHOW ACTIVE REGARDLESS OF FLOAT SWITCH OPERATION.

NOTES

1. CONTRACTOR SHALL ENGAGE A TEXAS LICENSED STRUCTURAL ENGINEER TO PROVIDE A SIGNED AND SEALED SET OF STRUCTURAL PLANS, DETAILS AND SPECIFICATION FOR THE STRUCTURAL COMPONENTS OF THE POLLUTION ABATEMENT BASIN INCLUDING INLET DISCHARGE AND BYPASS COMPONENTS. CONTRACTOR SHALL ALSO PROVIDE FOR STRUCTURAL ENGINEER'S INSPECTION DURING BASIN CONSTRUCTION AND STRUCTURAL ENGINEER'S CONSTRUCTION CERTIFICATION UPON COMPLETION OF BASIN.

2. UPON COMPLETION OF CONSTRUCTION, AND IN ACCORDANCE WITH TCEQ REGULATIONS, ALL PERMANENT BMP'S MUST BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER.

3. ALL AREAS DISTURBED AS PART OF CONSTRUCTION OF BASIN SHALL BE REVEGETATED PRIOR TO COMPLETION.

4. BASIN HAS BEEN DESIGNED USING TSS REMOVAL AND BMP SIZING CALCULATIONS AS PER THE TCEQ TOM RG-348 (2005).

5. BASIN PLAN DEPICTS MINIMUM INTERIOR DIMENSIONS (LENGTH, WIDTH & HEIGHT FOR TCEQ REVIEW & APPROVAL. ACTUAL STRUCTURAL PLANS FOR CONSTRUCTION TO BE DESIGNED BY STRUCTURAL ENGINEER AT A LATER DATE.

6. BASIN DRAWDOWN IS CONTROLLED BY THE 6" PVC PIPE. BASIN DRAWDOWN WILL OCCUR IN APPROXIMATELY 18.5 HOURS.

7. CONTRACTOR TO SET THE VALVE POSITION TO FULLY OPEN.

NOTES TO CONTRACTOR
(EACH PHASE OF BASIN CONSTRUCTION)

1. CONTRACTOR IS ADVISED THAT TCEQ DOES NOT ALLOW CHANGES TO PERMANENT POLLUTION ABATEMENT MEASURES WITHOUT THEIR PRIOR APPROVAL.

2. CONTRACTOR SHALL NOTIFY CERTIFYING ENGINEER WHEN BASIN CONSTRUCTION HAS PROGRESSED TO THE FOLLOWING MILESTONES:

a.) REINFORCING STEEL FOR BASIN OVERFLOW WALL OR RIPRAP PILOT CHANNEL HAS BEEN SET, CONCRETE HAS NOT BEEN PLACED AND DRAIN PIPE AND RISER PIPE IS IN PLACE. CONTRACTOR SHALL PROVIDE ENGINEER WITH SURVEY DATA WHICH DEMONSTRATES THE RISER PIPE HAS BEEN SET AT PROPER ELEVATION AND GRADE.

b.) BASIN HAS BEEN COMPLETELY FINISHED INCLUDING SOD OR SEED PLACEMENT ON SIDE SLOPES (WHERE APPLICABLE).

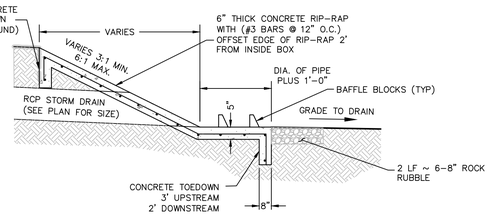
3. WORK SHALL NOT CONTINUE ON THE BASIN UNTIL THE ENGINEER HAS HAD AN OPPORTUNITY TO OBSERVE THE STATUS OF CONSTRUCTION AT EACH STAGE. CONTRACTOR SHALL PROVIDE ENGINEER A MINIMUM OF 24 HOURS ADVANCE NOTICE PRIOR TO TIME THE BASIN WILL BE AT THE REQUIRED STAGE.

4. UPON SUBSTANTIAL COMPLETION, OR AS REQUESTED BY ENGINEER, CONTRACTOR TO PROVIDE CERTIFYING ENGINEER WITH FIELD SHOTS VERIFYING ELEVATIONS OF THE FOLLOWING:

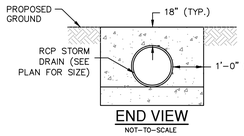
– TOP OF BANK/WALL AT EACH CORNER OF BASIN
– TOE OF SLOPE AT EACH CORNER OF BASIN (INSIDE BASIN TOE)
– SPLASH PAD/INLET PIPES
– OVERFLOW WEIRS

5. BEFORE FINAL ACCEPTANCE OF CONSTRUCTION BY THE OWNER, THE CONTRACTOR WILL REMOVE ALL TRASH, DEBRIS, AND ACCUMULATED SILT FROM THE BASINS AND REESTABLISH THEM TO THE PROPER OPERATING CONDITION.

6. THE MAXIMUM DRAIN TIME FOR A FULL BASIN IS 48 HOURS. CONTRACTOR TO SET BUTTERFLY VALVE TO FULLY OPEN TO BE CONTROLLED DDC CONTROLLER.



SIDE VIEW
NOT-TO-SCALE



END VIEW
NOT-TO-SCALE

DRAINAGE CONCRETE RIP RAP DETAIL
NOT-TO-SCALE

BASIN DESIGN DATA

BASIN WATERSHED	= 14.48 AC. (630,749 SF)
RUN OFF DEPTH	= 1.44 IN.
REQUIRED CAPTURE VOLUME	= 31,309 CF
WQ BASIN WATER STORAGE DEPTH	= 2.5 FT
WQ BASIN CAPTURE VOLUME	= 31,418 CF
OVERFLOW WEIR	= 15 FT. x 1 FT

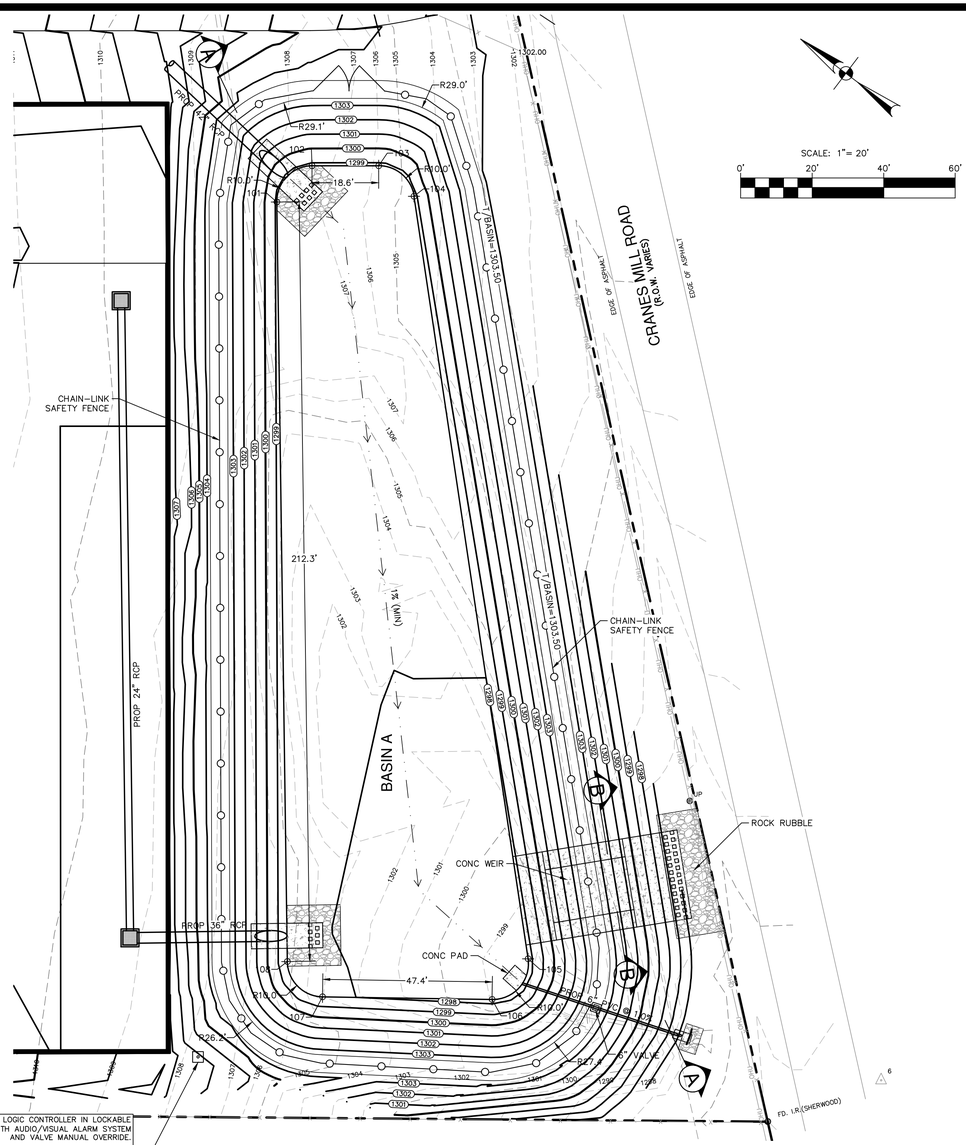
BASIN DRAWDOWN IS CONTROLLED BY THE 6" OUTLET PIPE @ 1.0% SLOPE. BASIN DRAWDOWN WILL OCCUR IN APPROXIMATELY 18.5 HOURS.

CLAY LINER SPECIFICATIONS

PROPERTY	TEST METHOD	SPECIFICATION
PERMEABILITY (CM/SEC)	ASTM D 2434	1×10^{-6}
PLASTICITY INDEX OF CLAY (%)	ASTM D 423/D 424	NOT LESS THAN 15
LIQUID LIMIT OF CLAY (%)	ASTM D 2216	NOT LESS THAN 30
CLAY PARTICLES PASSING (%)	ASTM D 422	NOT LESS THAN 30
CLAY COMPACTION (%)	ASTM D 2216	95% OF STANDARD PROCTOR DENSITY

NOTES:
1. THE CLAY LINER SHALL HAVE A MINIMUM THICKNESS OF TWELVE (12) INCHES.

POINTS		
POINT #	NORTHING	EASTING
101	13845864.06	2191595.05
102	13845862.33	2191609.08
103	13845847.48	2191620.32
104	13845834.46	2191619.50
105	13845680.31	2191468.87
106	13845681.47	2191453.74
107	13845719.67	2191425.72
108	13845733.47	2191427.63
109	13845884.65	2191604.72
110	13845873.70	2191624.11
111	13845858.85	2191635.34
112	13845840.78	2191641.35
113	13845824.41	2191629.78
114	13845667.91	2191481.56
115	13845670.99	2191439.45
116	13845710.09	2191412.66
117	13845746.13	2191417.76
118	13845875.03	2191586.50



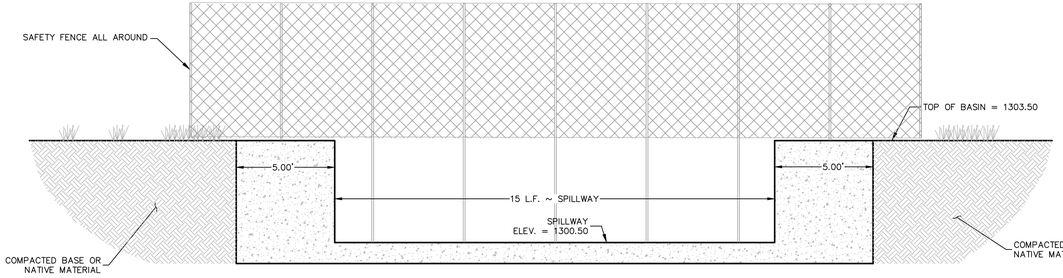
BATCH DETENTION BASIN "A"

120V DDC LOGIC CONTROLLER IN LOCKABLE ENCLOSURE WITH AUDIO/VISUAL ALARM SYSTEM AND VALVE MANUAL OVERRIDE.

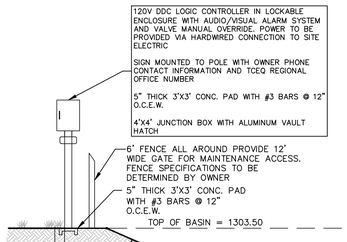
SIGN MOUNTED TO POLE WITH OWNER PHONE CONTACT INFORMATION AND TCEQ REGIONAL OFFICE NUMBER

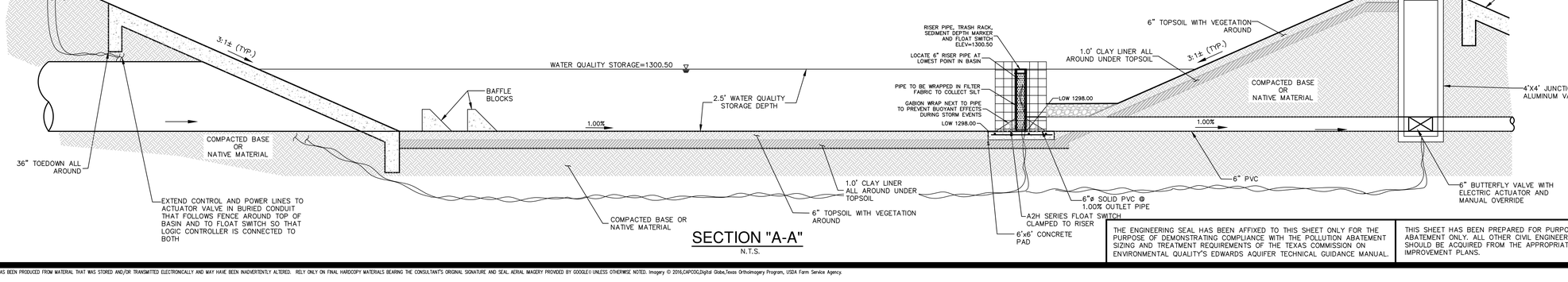
5" THICK 3'X3' CONC. PAD WITH #3 BARS @ 12" O.C.E.W.

4'X4' JUNCTION BOX WITH ALUMINUM VAULT HATCH



SECTION "B-B"
N.T.S.





SECTION "A-A"
N.T.S.

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE POLLUTION ABATEMENT SIZING AND TREATMENT REQUIREMENTS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY'S EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF POLLUTION ABATEMENT ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

EXHIBIT 4

NO.	REVISION	DATE

STATE OF TEXAS
JASON T. DIAMOND
96532
LICENSED PROFESSIONAL ENGINEER
Jason T. Diamond
2-10-22

PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CLWSC CAMPUS SITE PLAN
COMAL COUNTY, TEXAS

CONTRIBUTING ZONE PLAN
BATCH DETENTION BASIN A

PLAT NO. ---
JOB NO. 8911-04
DATE OCTOBER 2021
DESIGNER AL
CHECKED RC DRAWN AL
SHEET 1 of 2

Date: Feb 11, 2022, 6:38am User ID: dloughlin
File: \\pape-dawson.com\ust-pst\891\106\Design\Environmental\CZP\220210_891106-Basin Plan.dwg

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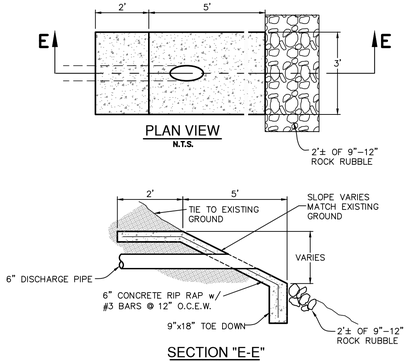
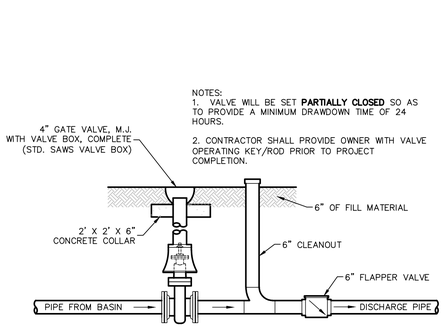


PLAN VIEW
N.T.S.

SECTION "E-E"
N.T.S.

DISCHARGE HEADWALL

NOT–TO–SCALE

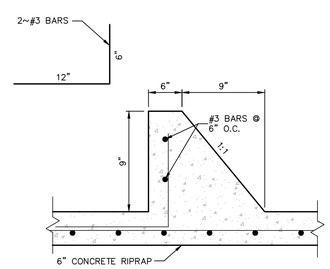


NOTES:
1. VALVE WILL BE SET **PARTIALLY CLOSED** SO AS TO PROVIDE A MINIMUM DRAWDOWN TIME OF 24 HOURS.

2. CONTRACTOR SHALL PROVIDE OWNER WITH VALVE OPERATING KEY/ROD PRIOR TO PROJECT COMPLETION.

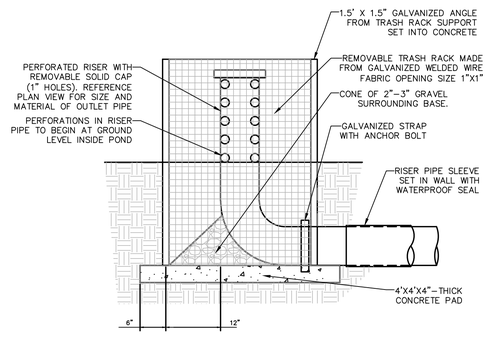
6" GATE & FLAPPER VALVE DETAIL

NOT–TO–SCALE



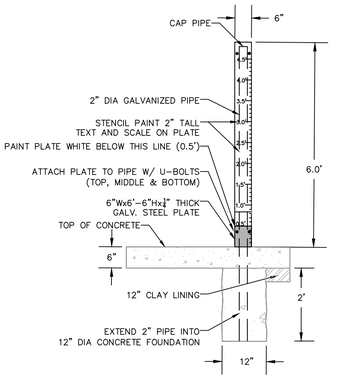
BAFFLE BLOCK DETAIL

NOT TO SCALE



TRASH RACK/RISER PIPE DETAIL

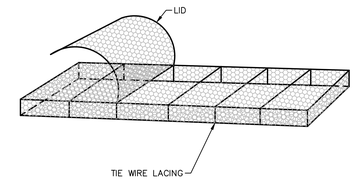
N.T.S.



SEDIMENT DEPTH MARKER

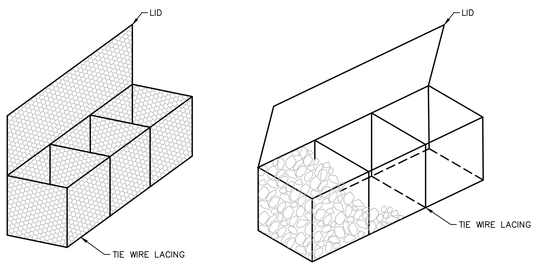
NOT TO SCALE

NOTE: ONCE SEDIMENT IS ABOVE THE 6" DESIGNATION, THE BASIN MUST BE CLEANED OUT TO DESIGN ELEVATIONS AND VOLUMES PER PLAN. SEDIMENT MARKER TO BE LOCATED WITHIN 10' OF THE RISER PIPE.



TYPICAL ASSEMBLED GABION MATTRESS DETAIL

NOT–TO–SCALE

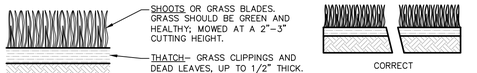


TYPICAL ASSEMBLED GABION BASKET DETAIL

NOT–TO–SCALE

LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

BUTTING – ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.



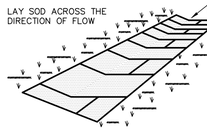
APPEARANCE OF GOOD SOD

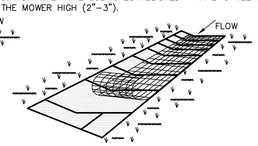
NOTES:
1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.

2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

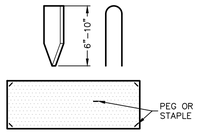
3. MOW WHEN THE SOD IS ESTABLISHED – IN 2–3 WEEKS. SET THE MOWER HIGH (2"–3").

SOD INSTALLATION





IN CRITICAL AREAS, SECURE SOD WITH NETTING. USE STAPLES.



USE PEGS OR STAPLES TO FASTEN SOD FIRMLY – AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3–4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.

MATERIALS

1. SOD SHOULD BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4" INCH (± 1/4" INCH) AT THE TIME OF CUTTING. THIS THICKNESS SHOULD EXCLUDE SHOOT GROWTH AND THATCH.

2. PIECES OF SOD SHOULD BE CUT TO THE SUPPLIER'S STANDARD WIDTH AND LENGTH, WITH A MAXIMUM ALLOWABLE DEVIATION IN ANY DIMENSION OF 5%. TORN OR UNEVEN PADS SHOULD NOT BE ACCEPTABLE.

3. STANDARD SIZE SECTIONS OF SOD SHOULD BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED FROM A FIRM GRASP ON ONE END OF THE SECTION.

4. SOD SHOULD BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS.

SITE PREPARATION

1. PRIOR TO SOIL PREPARATION, AREAS TO BE SODDED SHOULD BE BROUGHT TO FINAL GRADE IN ACCORDANCE WITH THE APPROVED PLAN.

2. THE SURFACE SHOULD BE CLEARED OF ALL TRASH, DEBRIS AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.

3. FERTILIZE ACCORDING TO SOIL TESTS. FERTILIZER NEEDS CAN BE DETERMINED BY A SOIL TESTING LABORATORY OR REGIONAL RECOMMENDATIONS CAN BE MADE BY COUNTY AGRICULTURAL EXTENSION AGENTS. FERTILIZER SHOULD BE WORKED INTO THE SOIL TO A DEPTH OF 3 INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. ON SLOPING LAND, THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE CONTOUR.

INSTALLATION IN CHANNELS

1. SOD STRIPS IN WATERWAYS SHOULD BE LAID PERPENDICULAR TO THE DIRECTION OF FLOW. CARE SHOULD BE TAKEN TO BUTT ENDS OF STRIPS TIGHTLY (SEE FIGURE ABOVE).

2. AFTER ROLLING OR TAMPING, SOD SHOULD BE PEGGED OR STAPLED TO RESIST WASHOUT DURING THE ESTABLISHMENT PERIOD. MESH OR OTHER NETTING MAY BE PEGGED OVER THE SOD FOR EXTRA PROTECTION IN CRITICAL AREAS.

GENERAL INSTALLATION (VA. DEPT. OF CONSERVATION, 1992)

1. SOD SHOULD NOT BE CUT OR LAID IN EXCESSIVELY WET OR DRY WEATHER. SOD ALSO SHOULD NOT BE LAID ON SOIL SURFACES THAT ARE FROZEN.

2. DURING PERIODS OF HIGH TEMPERATURE, THE SOIL SHOULD BE LIGHTLY IRRIGATED IMMEDIATELY PRIOR TO LAYING THE SOD, TO COOL THE SOIL AND REDUCE ROOT BURNING AND DIEBACK.

3. THE FIRST ROW OF SOD SHOULD BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH OTHER. LATERAL JOINTS SHOULD BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. CARE SHOULD BE EXERCISED TO ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS (SEE FIGURE ABOVE).

4. ON SLOPES 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM, SOD SHOULD BE LAID WITH STAGGERED JOINTS AND SECURED BY STAPLING OR OTHER APPROVED METHODS. SOD SHOULD BE INSTALLED WITH THE LENGTH PERPENDICULAR TO THE SLOPE (ON CONTOUR).

5. AS SODDING OF CLEARLY DEFINED AREAS IS COMPLETED, SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL.

6. AFTER ROLLING, SOD SHOULD BE IRRIGATED TO A DEPTH SUFFICIENT THAT THE UNDERSIDE OF THE SOD PAD AND THE SOIL 4 INCHES BELOW THE SOD IS THOROUGHLY WET.

7. UNTIL SUCH TIME A GOOD ROOT SYSTEM BECOMES DEVELOPED, IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHOULD BE PERFORMED AS OFTEN AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF AT LEAST 4 INCHES.

8. THE FIRST MOWING SHOULD NOT BE ATTEMPTED UNTIL THE SOD IS FIRMLY ROOTED, USUALLY 2–3 WEEKS. NOT MORE THAN ONE THIRD OF THE GRASS LEAF SHOULD BE REMOVED AT ANY ONE CUTTING.

INSPECTION AND MAINTENANCE GUIDELINES

1. SOD SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAIN EVENT TO LOCATE AND REPAIR ANY DAMAGE.

2. DAMAGE FROM STORMS OR NORMAL CONSTRUCTION ACTIVITIES SUCH AS TIRE RUTS OR DISTURBANCE OF SWALE STABILIZATION SHOULD BE REPAIRED AS SOON AS PRACTICAL.

SOD INSTALLATION DETAIL

NOT–TO–SCALE

NOTES TO CONTRACTOR
(EACH PHASE OF BASIN CONSTRUCTION)

1. CONTRACTOR IS ADVISED THAT TCEQ DOES NOT ALLOW CHANGES TO PERMANENT POLLUTION ABATEMENT MEASURES WITHOUT THEIR PRIOR APPROVAL.

2. CONTRACTOR SHALL NOTIFY CERTIFYING ENGINEER WHEN BASIN CONSTRUCTION HAS PROGRESSED TO THE FOLLOWING MILESTONES:

a.) REINFORCING STEEL FOR BASIN OVERFLOW WALL OR RIPRAP PILOT CHANNEL HAS BEEN SET, CONCRETE HAS NOT BEEN PLACED AND DRAIN PIPE AND RISER PIPE IS IN PLACE. CONTRACTOR SHALL PROVIDE ENGINEER WITH SURVEY DATA WHICH DEMONSTRATES THE RISER PIPE HAS BEEN SET AT PROPER ELEVATION AND GRADE.

b.) BASIN HAS BEEN COMPLETELY FINISHED INCLUDING SOD OR SEED PLACEMENT ON SIDE SLOPES (WHERE APPLICABLE).

3. WORK SHALL NOT CONTINUE ON THE BASIN UNTIL THE ENGINEER HAS HAD AN OPPORTUNITY TO OBSERVE THE STATUS OF CONSTRUCTION AT EACH STAGE. CONTRACTOR SHALL PROVIDE ENGINEER A MINIMUM OF 24 HOURS ADVANCE NOTICE PRIOR TO TIME THE BASIN WILL BE AT THE REQUIRED STAGE.

4. UPON SUBSTANTIAL COMPLETION, OR AS REQUESTED BY ENGINEER, CONTRACTOR TO PROVIDE CERTIFYING ENGINEER WITH FIELD SHOTS VERIFYING ELEVATIONS OF THE FOLLOWING:

– TOP OF BANK/WALL AT EACH CORNER OF BASIN
– TOE OF SLOPE AT EACH CORNER OF BASIN (INSIDE BASIN TOE)
– SPLASH PAD/INLET PIPES
– OVERFLOW WEIRS

5. BEFORE FINAL ACCEPTANCE OF CONSTRUCTION BY THE OWNER, THE CONTRACTOR WILL REMOVE ALL TRASH, DEBRIS, AND ACCUMULATED SILT FROM THE BASINS AND REESTABLISH THEM TO THE PROPER OPERATING CONDITION.

6. THE MINIMUM DRAIN TIME FOR A FULL BASIN IS 24.1 HOURS. CONTRACTOR TO SET BUTTERFLY VALVE TO FULLY OPEN TO BE CONTROLLED DDC CONTROLLER.

CLAY LINER SPECIFICATIONS

PROPERTY	TEST METHOD	SPECIFICATION
PERMEABILITY (CM/SEC)	ASTM D 2434	1×10^{-6}
PLASTICITY INDEX OF CLAY (%)	ASTM D 423/D 424	NOT LESS THAN 15
LIQUID LIMIT OF CLAY (%)	ASTM D 2216	NOT LESS THAN 30
CLAY PARTICLES PASSING (%)	ASTM D 422	NOT LESS THAN 30
CLAY COMPACTION (%)	ASTM D 2216	95% OF STANDARD PROCTOR DENSITY

NOTES:
1. THE CLAY LINER SHALL HAVE A MINIMUM THICKNESS OF TWELVE (12) INCHES.

NOTES:

1. CONTRACTOR SHALL INSTALL AND ESTABLISH VEGETATION IN BASINS PER BASIN DETAIL SHEET PRIOR TO SITE CLOSEOUT.

2. UPON COMPLETION OF CONSTRUCTION, AND IN ACCORDANCE WITH TCEQ REGULATIONS, ALL PERMANENT BMP'S (FILTERSTRIPS AND BASINS) MUST BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER.

3. ALL AREAS DISTURBED AS PART OF CONSTRUCTION OF BASINS SHALL BE REVEGATATED PRIOR TO COMPLETION.

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE POLLUTION ABATEMENT SIZING AND TREATMENT REQUIREMENTS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY'S EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF POLLUTION ABATEMENT ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

EXHIBIT 5

DATE | NO. | REVISION

STATE OF TEXAS
JASON T. DIAMOND
96532
LICENSED
PROFESSIONAL ENGINEER
12-14-21

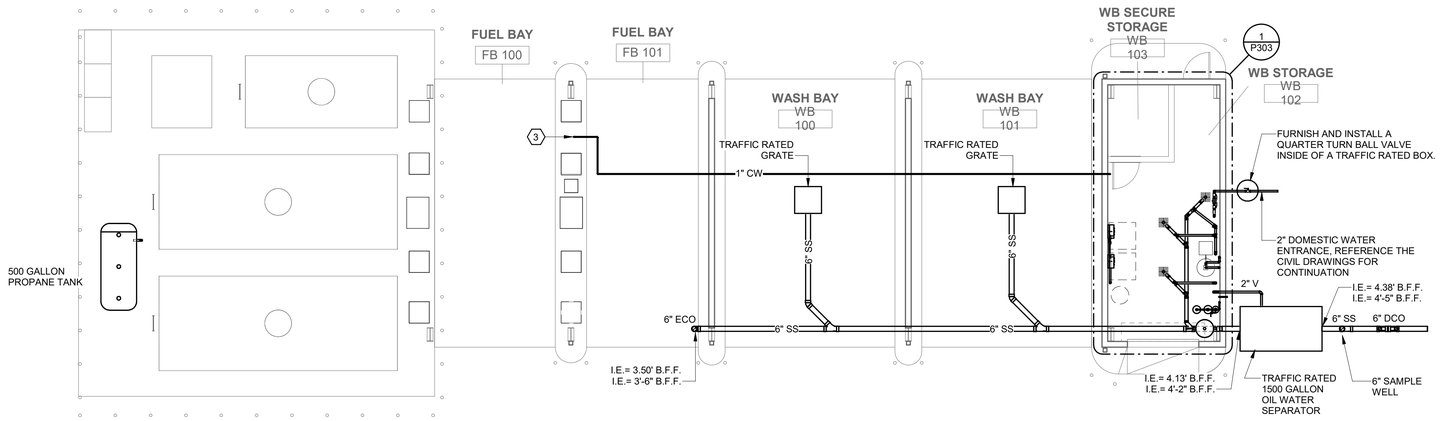
PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CLWSC CAMPUS SITE PLAN
COMAL COUNTY, TEXAS

CONTRIBUTING ZONE PLAN
BATCH DETENTION BASIN DETAILS

PLAT NO. ---
JOB NO. 8911-04
DATE OCTOBER 2021
DESIGNER AL
CHECKED RG DRAWN AL
SHEET 2 of 2

XXXXXXXXXX



GENERAL NOTES

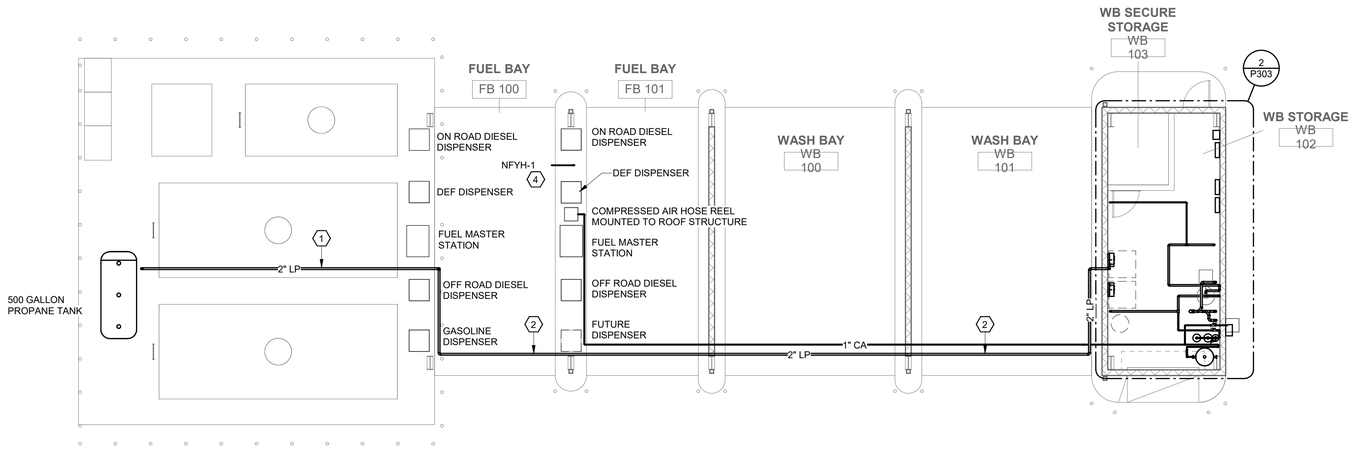
1. REFERENCE SHEET P100 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND FURTHER GENERAL NOTES.
2. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE INSTALLATION OF PLUMBING FIXTURES, PIPING, AND EQUIPMENT.

KEYED NOTES (#)

1. THE CONTRACTOR SHALL MOUNT THE PIPING ON A PIPING RACK OVER THE FUEL TANKS.
2. THE CONTRACTOR SHALL ROUTE THE PIPING TIGHT TO THE ROOF STRUCTURE IN TRUCK WASH AND FUEL BAY AREAS.
3. ROUTE THE COLD WATER PIPING UP TO THE NON-FREEZE YARD HYDRANT AND CONNECT.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL A NON-FREEZE YARD HYDRANT. THE CONTRACTOR SHALL CONNECT THE PLUMBING FIXTURE TO THE COLD WATER PIPING BELOW GRADE.

1 PLUMBING BELOW FLOOR PLAN - TRUCK WASH

SCALE: 1/8" = 1'-0"



2 PLUMBING ABOVE FLOOR PLAN - TRUCK WASH

SCALE: 1/8" = 1'-0"

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Project No. 2521CLWS0.003

Date 28 APR 2022

THURL D. SIMS III
120327
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS

04/28/2022

M&S ENGINEERING
ELECTRICAL | CIVIL | MEP
TXENG FIRM # F-1394 | TBPELS FIRM #10169800
WWW.MSENGR.COM | (830) 228-5446

Canyon Lake Water Service Company
CLWSC Warehouse
New Braunfels, Texas

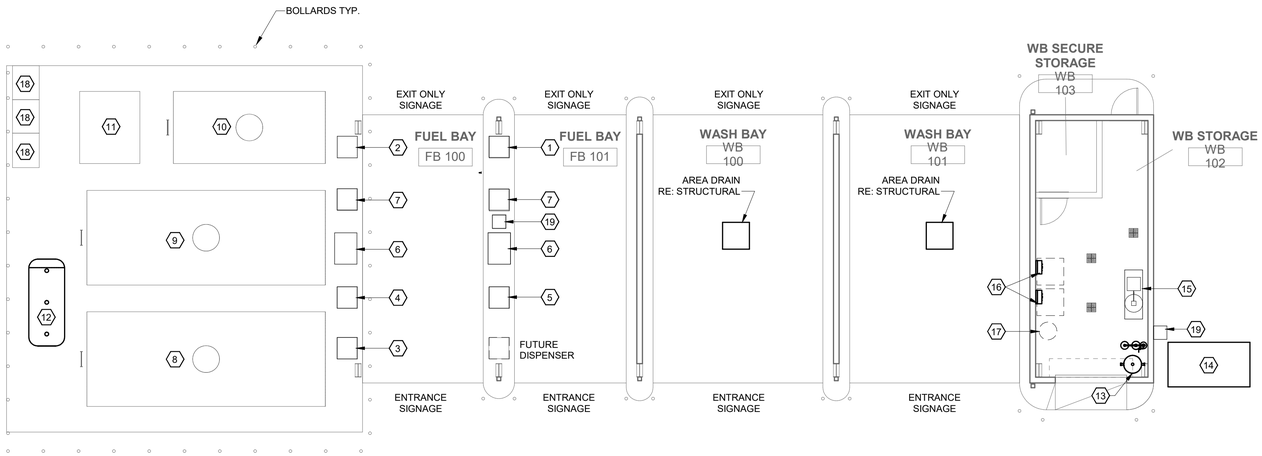
revision date

RVK ARCHITECTURE
2002 n. saint mary's st.
san antonio texas 78212
telephone: 210.733.3535
web: www.rvk-architects.com

Construction Documents

P206

PLUMBING FLOOR PLANS - TRUCK WASH



1 FUEL AND TRUCK WASH EQUIPMENT PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. REFERENCE SHEET P100 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND FURTHER GENERAL NOTES.
2. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE INSTALLATION OF PLUMBING FIXTURES, PIPING, AND EQUIPMENT.

KEYED NOTES ⬡#

1. GASBOY MODEL NO. 9853KXTW1, SINGLE HOSE SINGLE PRODUCT DISPENSER FOR ON ROAD DIESEL.
2. GASBOY MODEL NO. 9853KX, SINGLE HOSE SINGLE PRODUCT DISPENSER FOR ON ROAD DIESEL.
3. GASBOY MODEL NO. 9853KX, SINGLE HOSE SINGLE PRODUCT DISPENSER FOR UNLEADED.
4. GASBOY MODEL NO. 9853KX, SINGLE HOSE SINGLE PRODUCT DISPENSER FOR OFF ROAD DIESEL.
5. GASBOY MODEL NO. 9853KX, SINGLE HOSE SINGLE PRODUCT DISPENSER FOR OFF ROAD DIESEL.
6. FUELMASTER MODEL NO. 4725-4F FMU PEDESTALS, LIVE FLEET MANAGEMENT SYSTEM.
7. GASBOY MODEL NO. 9862K, DEF DISPENSER.
8. DW UL2085 15,000 GALLON ABOVE GROUND TANK FOR DIESEL.
9. DW UL2085 15,000 GALLON ABOVE GROUND TANK FOR OFF ROAD DIESEL.
10. DW UL2085 6,000 GALLON ABOVE GROUND TANK FOR UNLEADED.
11. (2) 525 GALLON DEF TANK ABOVE GROUND.
12. 500 GALLON PROPANE TANK ABOVE GROUND.
13. INGERSOLL RAND 60 GALLON AIR COMPRESSOR, MODEL NO. 2340L5, 480/3PH.
14. TRAFFIC RATED OIL/WATER SEPARATOR WITH A PARK H20 LID, PARK MODEL NO. SOCMP-1500.
15. HEAT AND TREAT WATER SOFTENER MODEL NO. HT41-120-15.
16. HOTSY PRESSURE WASHER MODEL NO. 1455P.
17. PRESSURE WASHER SOAP DISPENSER, 55 GALLONS.
18. FUEL REFILLING TERMINAL.
19. SPEEDAIRE 75'-0" SPRING RETURN COMPRESSED AIR HOSE REEL, MODEL NO. 2VDF2.

Project No. 2521CLWS0.003

Date 28 APR 2022

STATE OF TEXAS
THURL D. SIMS III
120327
LICENSED
PROFESSIONAL ENGINEER
04/28/2022

M&S ENGINEERING
ELECTRICAL | CIVIL | MEP
TXENG FIRM # F-1394 | TBPELS FIRM #10169800
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Canyon Lake Water Service Company

CLWSC Warehouse

New Braunfels, Texas

revision date

RVK ARCHITECTURE
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Construction Documents

P207

FUEL AND TRUCK WASH EQUIPMENT PLAN

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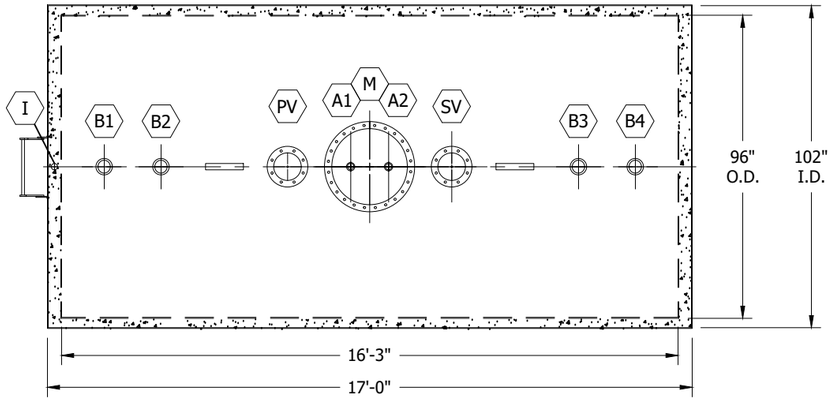
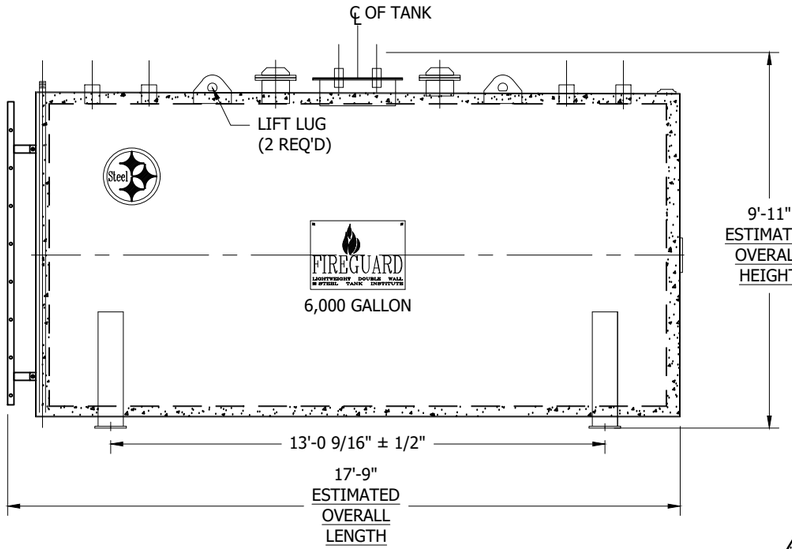
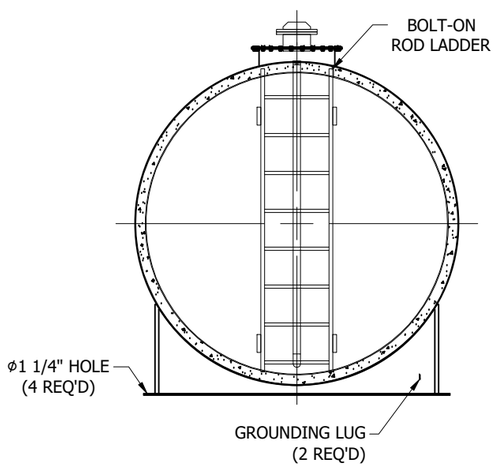
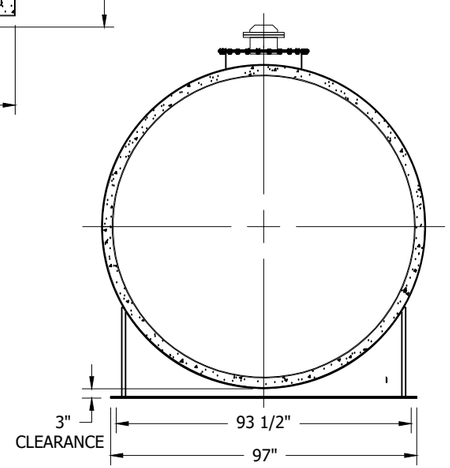








BILL OF MATERIALS

MARK	QTY	DESCRIPTION	CONTAINMENT
A	2	2" FEMALE THREADED OPENING	PRIMARY
B	4	4" FEMALE THREADED OPENING	PRIMARY
B	1	2" INTERSTICE OPENING	SECONDARY
M	1	24" MANWAY	PRIMARY
V1	1	8" EMERGENCY VENT	PRIMARY
V2	1	8" EMERGENCY VENT	SECONDARY

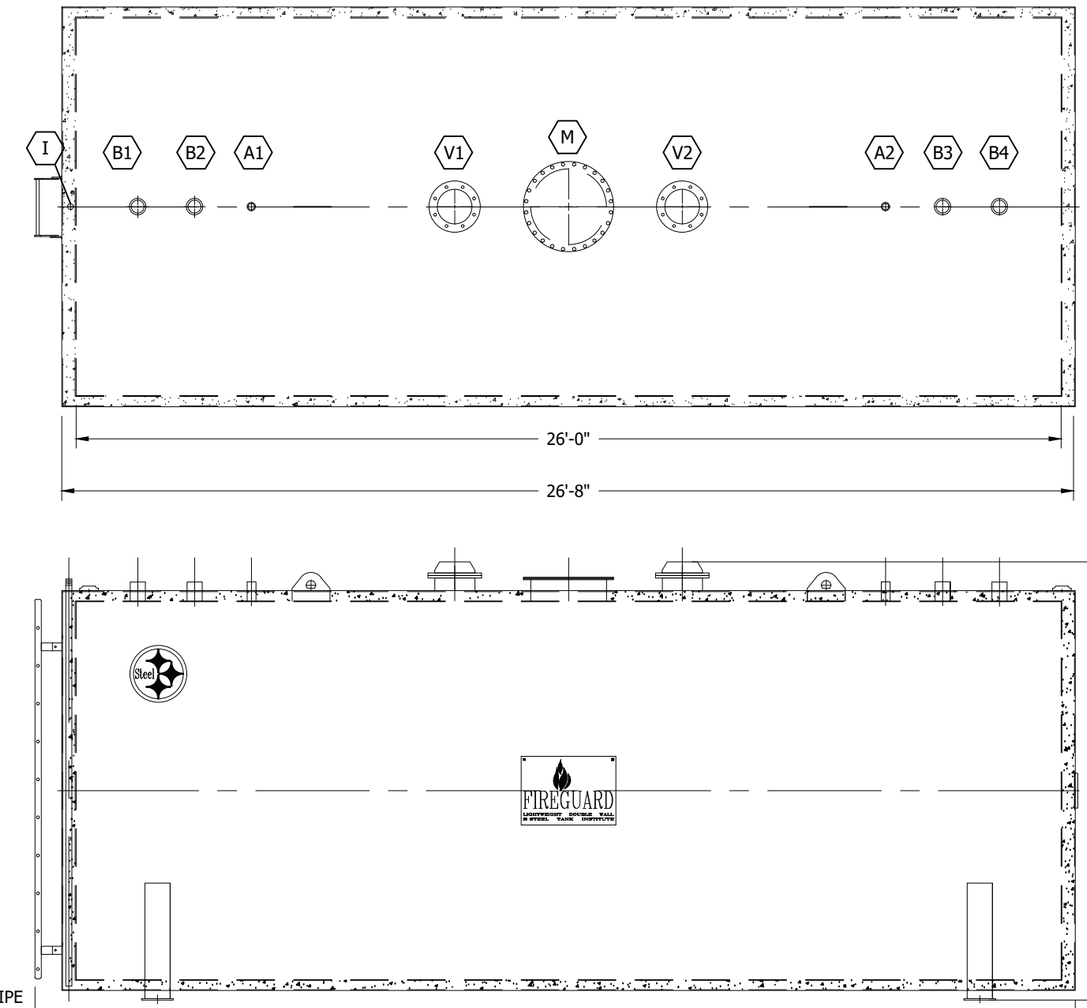
6,000 GALLON
STI FIREGUARD - UL 2085
96" X 16'-3"

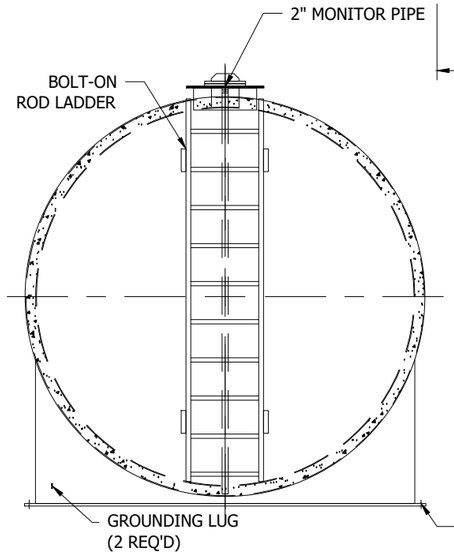
CUST.:
LOC.:
DWG NO: STD-6-FGCY-96

REV.	DATE	DWG BY	APP'D	DESCRIPTION
0				
1				
2				
3				
4				
5				
6				
7				
8				

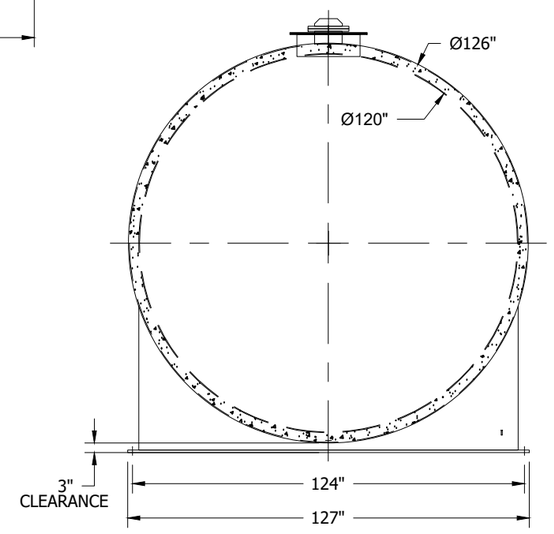
NOTES:
EXTERNAL: BLAST; PRIME & WHITE
INTERNAL: BARE METAL
TEST: 5 PSIG SOAP & WATER
ESTIMATED WEIGHT: 21,000 LBS (+/- 5%)

WATCO TANKS INC. Est. 1984





BILL OF MATERIALS			
A	2	2" FEMALE THREADED FITTING	PRIMARY
B	4	4" FEMALE THREADED FITTING	PRIMARY
I	1	2" INTERSTICE OPENING	SECONDARY
V1	1	10" FLANGED EMERGENCY VENT	PRIMARY
V2	1	10" FLANGED EMERGENCY VENT	SECONDARY
M	1	24" MANWAY	PRIMARY



15,000 GALLON FIREGUARD

STI FIREGUARD - UL-2085
120" X 26'

DWG NO: STD-15-FGCY-120

REV.	DATE	DWG BY	APP'D	DESCRIPTION
0	10/14/20	ZO	WH	
1				
2				
3				
4				
5				
6				
7				
8				

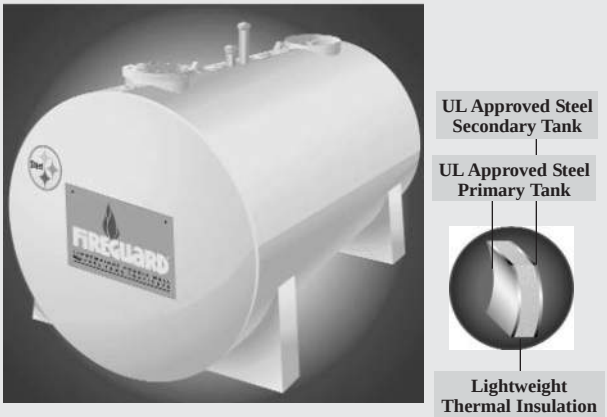
NOTES:
EXTERNAL: BLAST, PRIME & WHITE
INTERNAL: BARE METAL
TEST INNER: 5 PSIG SOAP & WATER
ESTIMATED WEIGHT: 39,000 LBS (+/- 5%)

WATCO TANKS INC. Est. 1984

THE FIREGUARD® DOUBLE-WALL FIRE-PROTECTED ABOVEGROUND STORAGE TANK FEATURES AN INNER STEEL TANK WITH A UNIQUE LIGHTWEIGHT THERMAL INSULATION MATERIAL THAT ALLOWED FIREGUARD TO EXCEED THE UL 2-HOUR FIRE TEST. AN EXTERIOR STEEL WALL PROVIDES SUPERIOR WEATHERABILITY AND LOW-COST MAINTENANCE.

- UL 2085 Listed as both a "Protected" and "Fire-Resistant" tank
- Insulates product in tank from ambient temperature variations and thus reduces emissions
- Insulating material is 75% lighter than concrete, reducing shipping, installation and relocations costs
- Primary and secondary tank can be tightness tested on site with standard testing procedures
- Steel outer wall provides low cost maintenance and protection from weathering
- Interstitial space can be monitored for leak detection
- Support designs available for all seismic zones

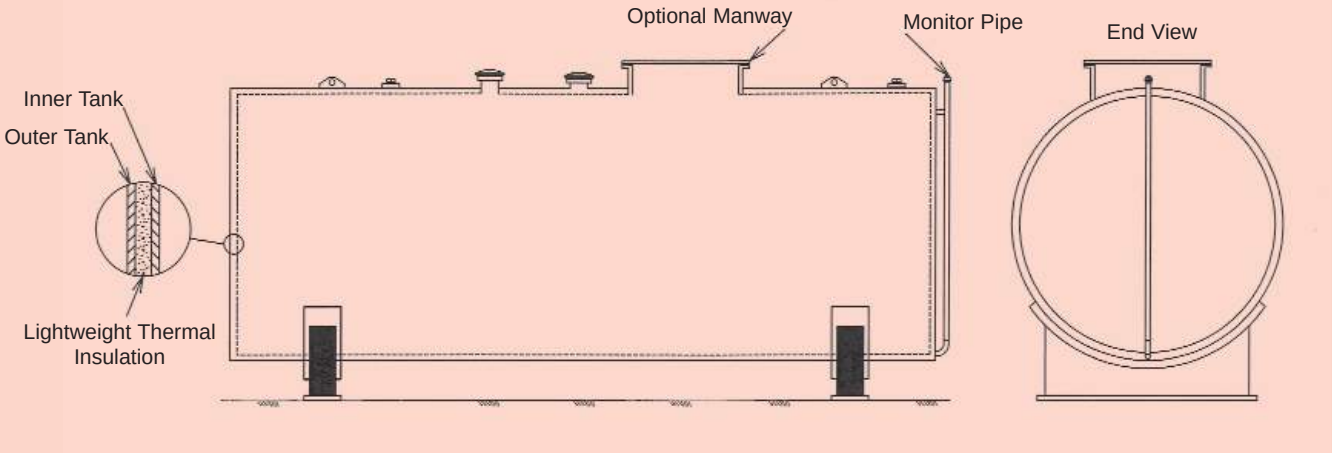
Double-Wall Steel Design Provides Structural Strength And Protection Against Weathering



- Horizontal, vertical and rectangular designs available
- Steel is the green choice - it is capable of being recycled after tank closure
- Low cost compartments and customization
- Capacities range up to 50,000 gallons
- Built to nationally-recognized STI standards with strict third-party quality control inspection program
- Available from a large network of STI licensed manufacturers

The Fireguard® is available from an extensive group of STI fabricators who participate in the Steel Tank Institute's Quality Assurance Program. Under the program, independent quality control inspectors make unannounced visits to STI members, ensuring fabrication to the highest possible standards.

Fireguard® Double-Wall Fire-Protected Aboveground Steel Storage Tanks



- **Steel Tank Institute Fireguard® and UL Labeled**
- **Lightweight thermal insulation for fire protection**
- **Variety of UL approved supports available**
- **Compatible with a wide range of fuels and chemicals**
- **Capacities range up to 50,000 gallons**
- **Easily relocated**

Fireguard® Guideline Specification

A) General

1. Provide Fireguard® double-wall Fire-Protected lightweight steel aboveground storage tanks.

B) Labeling

1. Tanks shall bear the Steel Tank Institute Fireguard® identification label.
2. Tanks shall bear Underwriters Laboratories UL 2085 label for Protected Tanks.

C) Product Description

1. Tanks shall be manufactured in accordance with Steel Tank Institute, Standard for Fireguard® Thermally Insulated Aboveground Storage Tanks.
2. Tanks shall meet the requirements for "protected" tank as defined by the IFC and NFPA 30.
3. Tanks shall consist of an inner steel wall and an outer steel wall separated by at least 3 inches of insulation.
4. A lightweight monolithic thermal insulation material shall be placed in the tank's interstitial space by the manufacturer. The thermal insulating material shall allow liquid to migrate through the interstice to the monitoring point, shall not be exposed to weathering and shall be protected by the steel secondary containment outer wall.
5. Integral secondary containment shall be testable and provide access for interstitial leak detection monitoring.
6. UL listed supports shall be used for all horizontal, rectangular and vertical tank(s).
7. Primary tank to have vent and emergency vent. Secondary tank to have emergency vent.

D) Manufacturer

1. Manufacturer shall be a licensed member company of the Steel Tank Institute and subject to Steel Tank Institute's Quality Assurance program.

Use the STI Technology Guide online for your next Fireguard® specification!

All you need in tanks!

A division of STI / SPFA
570 Oakwood Road Lake Zurich, IL 60047 Ph 847.438.8265 Fx 847.438.8766 Web www.steeltank.com

6/06-5M-Item #130-50-0001

MASTER YOUR FUEL MANAGEMENT

AUTOMATE YOUR FUELING PROCESS

FMU-2500 & 3505 SERIES

- *Built to military specifications*
- *Modular design and backward capability*
- *Ease of maintenance*
- *World class support*

FUELMASTER
ENGINEERED BY syntech

MADE IN THE USA

FMU-2500 & 3505 SERIES

CUSTOMIZE YOUR FUEL MANAGEMENT NEEDS

The FMU-2500Plus and FMU-3505Plus are the industry leaders in commercial fleet and retail fueling automation. The passive fueling automation of the 3505 Series compliments the interactive automation of the 2500 Series using our state of the art patented RFID 2.4 technology.

Note: All FMU-2500Plus units can be easily upgraded to include passive automated features found in the 3505 Series at the fuel island.

FEATURES & BENEFITS

- Handles up to 8 hoses
- Communicates with up to 8 satellite FMU, each handling 8 hoses, for a total of 72 hoses per master FMU
- Fueling process initiated by keypad; PROKEE®; smartcard; proximity card; or AIM module
- FMU can be equipped to read fleet, aviation, and standard credit cards. Contact us for a current list of available networks
- Works with mechanical and electronic dispensers, both retail and commercial
- Windows based software and operates on a SQL platform
- Transactional data can be exported to most fleet maintenance or accounting programs
- Communicates with a Tank Monitor Unit/Tank Gauge interface from a variety of manufacturers
- Supports Automatic/Manual Operation
- 24/7 Live customer support call center
- Customer Training provided at no cost
- All product research and development completed within our on-site Engineering Department

NJPA AWARDED CONTRACT | PCI Security Standards Council™

FUELMASTER
ENGINEERED BY Syntech

CONTACT US TO LEARN MORE

800.888.9136 850.878.2558

www.MyFuelMaster.com Marketing@MyFuelMaster.com

Syntech Systems, Inc. 100 Four Points Way, Tallahassee, FL 32305

VEEDER-ROOT

TLS4 & TLS4B Automatic Tank Gauges

Proven Wet Stock Management

The Veeder-Root TLS4 and TLS4B Automatic Tank Gauges (ATGs) help keep your sites running profitably. These ATGs combine precision performance with scalability, sophistication, customization and ease of use to deliver proven results.

The TLS4 and TLS4B ATGs provide real time access and automated alerts to critical site information, anywhere in the world. Ensure your site is running at peak performance with a TLS4 Series ATG.

PERFORMANCE PROTECTION PROFITABILITY PARTNERSHIP

PERFORMANCE

The TLS4 and TLS4B Automatic Tank Gauges are the premier wet stock management solution. They deliver accurate, crucial information, including:

Centralized Device Management (CDM)

A server-based ATG software package supporting remote upgrades, backups, and snapshot captures for the TLS4 Series consoles.

AccuChart ™

Advanced technology that provides best-in-class tank chart calibration, delivering the most precise picture of your inventory all day, every day. AccuChart reconciles tank tilt, dents and out-of-round tank conditions.

Business Inventory Reconciliation (BIR)

Improve business decisions by combining meter transaction sales with AccuChart to better understand site variance.

Continuous Statistical Leak Detection (CSLD)

Robust 0.76 lph monthly tank leak detection that avoids site shut down to run compliance tests. Static Leak Detection (SLD) – 0.38 lph.

Data Logger

The built-in data logging capability in the TLS4 and TLS4B enables advanced wet stock management and enhances feature performance by providing improved data transfer capabilities.

Temperature Compensated Volume

Sophisticated algorithms compensate for the impact of temperature on product volume delivering a precise inventory picture.

TLS4 and TLS4B Web-Enabled Pictorial Offers Instant Access of Variance Improvement Delivered by AccuChart

TLS4 and TLS4B GUI Offers Tank Variance Diagnostics in a User-Friendly Graphical Plot

PROTECTION

The Veeder-Root TLS4 and TLS4B monitoring systems use sensors, probes and advanced software solutions to deliver accurate wet stock and forecourt information. They protect your fuel assets whether you are on-site or off-site.

Web-Enabled Remote Connectivity

The TLS4 Series ATGs offer anytime, anywhere access via web-enabled devices to monitor site performance, providing peace-of-mind by delivering real-time alerts, compliance reports and variance analysis.

Partitioned Networks

Two built-in Ethernet switch networks protects point-of-sale data from the public internet domain.

Data Protection

Up to 3 years data storage that is protected in the event of a power outage, battery replacement or software upgrade.

Reduced Risks

The TLS4 and TLS4B eliminate manual tank dipping, reducing exposure to harmful fumes and minimizing forecourt access.

Customized User Access

A user-configurable login enables deployment of company specific security controls and procedures. Advanced Sensor Technology compatible with existing Veeder-Root sensors and probes.

Timed Sudden Loss Detection

Monitor changes in inventory due to theft during quiet periods via programmable scheduling.

PROFITABILITY

The compact and powerful TLS4 and TLS4B monitoring systems are extremely easy to use. View, configure, and control these ATGs using the GUI, or using web-enabled to manage multiple locations remotely, to improve efficiency and save money. High-end features include:

Color Touch Screen

Easy, clear navigation provides real time access to critical site information.

Faster Problem Resolution

Context sensitive help allows remote troubleshooting and diagnosis preventing unnecessary dispatch and more efficient service calls.

Customized Home Screen & Favorites

Ease of use saves operator response time.

Customized Alarms

Preprogrammed alarm alerts provide scenario-specific information to predetermined individuals to increase efficiency and improve site operations.

Future Proof

Purchase the TLS4B today with basic application software and enjoy the option to add additional features later as your business grows or as regulations change. Expand the TLS4 by adding a TLS-XB box to add more sensors or the ability to use 10-Amp Relay, LVDIM and MDIM.

PARTNERSHIP

Founded over a century ago, Veeder-Root is the global leader of automatic tank gauges, backed by an unmatched service network. Around the globe more than half a million petroleum marketers and commercial fueling businesses enjoy increased profits and protection of their fuel assets with Veeder-Root solutions.

Our proven company history, combined with the highest precision levels in our wet stock management tools, delivers results that matter. The performance, prevention, and protection you need. The partner you deserve.

125 Powder Forest Drive • PO Box 2003 • Simsbury, CT 06070 • ©2021 Veeder-Root • P/N 576047-202 Rev. D

+1.814.695.4476 | veeder.com

VEEDER-ROOT

GASBOY

FLEET & COMMERCIAL

FUELING

GASBOY

CONTENTS

ATLAS SERIES

FUELING EQUIPMENT

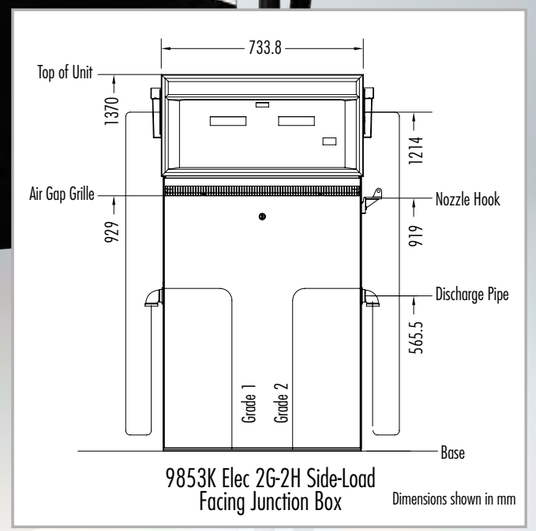
Gasboy has been producing refueling equipment since the 1920's. The Atlas Series is the latest generation in a long line of fleet-fueling equipment and is the workhorse for the tough Fleet and Commercial environment. It's compatible with the Gasboy PLUS Fuel Management System or a wide range of third-party controllers.

The Atlas Platform Offers:

- A wide range of models and flow rates
- Sophisticated electronics or simple mechanical registers which cover all requirements
- Use in Underground Tanks (UST) or Aboveground Tanks (AST) applications

Common Features in the Atlas Platform Include:

- Rugged and welded G90 galvanized-steel frame
- Structural foam bezel with a clear polycarbonate window, and a backscreen polycarbonate dialface
- Field-wiring junction box for easy installation
- Replaceable sheathing – painted or optional 304 embossed stainless steel
- Standard hydraulics – compatible with traditional motor fuels such as Biodiesel (up to B20) and Ethanol (up to E15); custom models are available for E85, B100 or DEF
- Safety listed and with NTEP CoC for W&M sealing for fuel resale application
- Optional High Retrievers and Catlow's hanging hardware to complete your fleet fueling equipment



9853K Elec 2G-2H Side-Load Facing Junction Box

Dimensions shown in mm

9853K

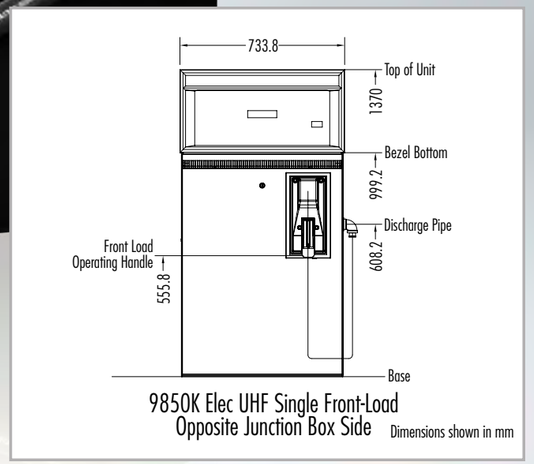
ATLAS 9853K

ELECTRONIC HIGH FLOW

Basic High Flow

The 9853K Series Basic High Flow Atlas has electronic displays. Available in a complete range of pump or dispenser style models. Versatile for most high-flow fleet fueling applications.

EASY USE	Large 1" LCD display with LED backlight and capacitor back up. LED lighting to identify fuel grade and illuminate the front panel.
FAST	High-flow rated at 22 gpm with side load or optional front load nozzle positions.
INTEGRATED	RS485 or Pulse Output interface for connectivity to Gasboy PLUS or other third-party site controllers.
DURABLE	Four-piston CFT meter with flow-through center chamber for harsh fuels. Large 1" internal piping for high flow rates in a variety of site conditions. Steel internal tubing on most models. 10-vane suction pump with 1-HP motor.
OPTIONS	Satellite piping option can turn your Atlas into a master / satellite fueling position.



9850K Elec UHF Single Front-Load
Opposite Junction Box Side

Dimensions shown in mm

9850K

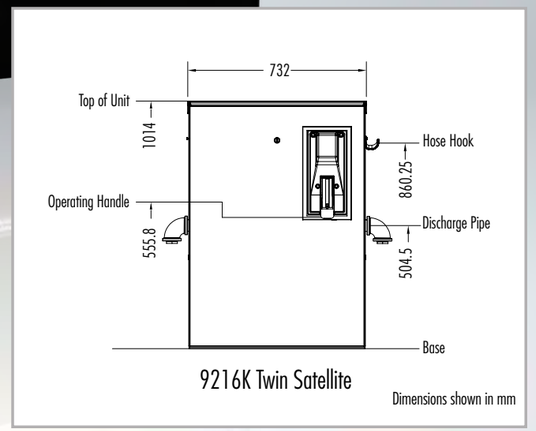
ATLAS 9850K

ELECTRONIC ULTRA-HI

Ultra-Hi Flow

The 9850K Series Ultra-Hi Atlas has electronic displays. Available in pump or dispenser style models. Heavy-duty, ultra-hi flow equipment is designed for the fleet market. Lane-oriented nozzles offer easy, saddle-tank fueling or side-load fueling for conventional islands.

EASY USE	Large 1" LCD display with LED backlight and capacitor back up. LED brand lighting.
ULTRA FAST	Rated at 50 gpm for the 9850 and 40 gpm for the 9840. LC meter in 9850, 2 CFT meters in the 9840.
DURABLE	Large 1-½" internal piping will give ultra-hi flow rates.
OPTIONS	Satellite piping option can turn your Atlas in to a master / satellite fueling position.



9216K Twin Satellite

Dimensions shown in mm

9216K

ATLAS 9216K

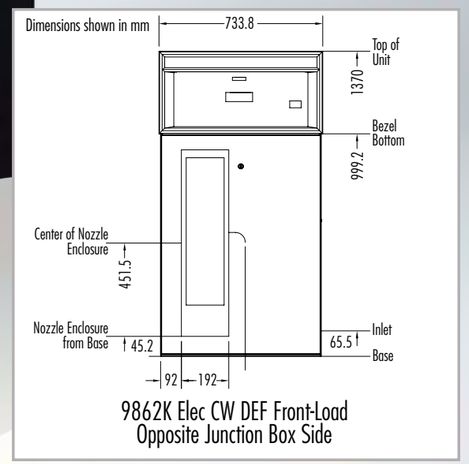
GENERAL PURPOSE SATELLITE

Satellite Dispenser

The 9216K Series general purpose satellite dispenser for use with Atlas or other master dispensers has front-load, lane-oriented nozzle boots. The 9216K is convenient for toll-gate island layout with fuel from both sides of the fueling lane, with a single or twin hose.

A perfect companion to the Atlas masters for either saddle-tank refueling, Encore® masters, or other third-party master dispensers.

DURABLE	Rugged Atlas welded frame with 13 gauge G90 galvanized steel.
FAST	Ultra-hi flow hydraulics standard with large 1-½" valve and piping to maximize flow rate / throughput.
COMPATIBLE	Wire to operate simultaneously with the master dispenser or independently. Image companion for Atlas, matches the frame size and footprint.
EASE OF USE	Large and open hydraulic cabinet for easy installation and service.
OPTIONS	Stainless-steel sides, top and door panels (replaceable). Embossed finish available. High-flow external filters and external high retrievers are available.



9862K Elec CW DEF Front-Load
Opposite Junction Box Side

9862K

ATLAS 9862K DEF

ELECTRONIC DEF

Gasboy Atlas DEF

Integrate Diesel Exhaust Fluid (DEF) into your site with the Gasboy 9862 DEF dispenser, available in a heated or unheated cabinet. The 9862K offers the same rugged Atlas welded frame and a familiar interface for users. The Coriolis Mass Flow meter has no moving parts and protects from crystallization. The optional electronic interface works with the Gasboy PLUS or other third-party controller.

VERSATILE

Cold weather (-40°C) and warm weather (-11°C) models are available. The cold weather (CW) model incorporates an improved heat-insulated cabinet with internal hose reel and enclosed nozzle area to protect from freezing and crystallization. Front-load nozzle position.

Warm weather (WW) model is for use in climates or applications where freeze protection is not required. Models are vailable in a front or side-load styles.

DEPENDABLE

Atlas electronics with electronic calibration.

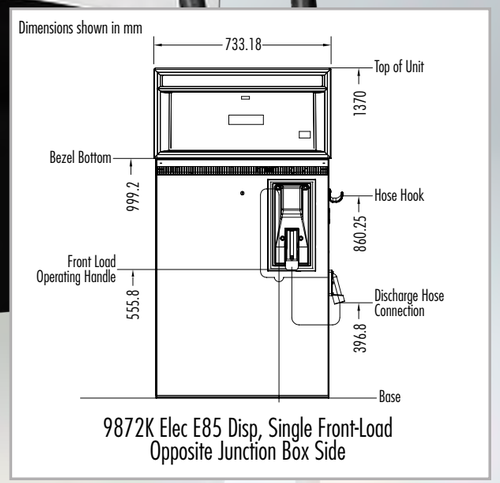
ACCURATE

Same reliable Coriolis meter used in both CW or WW models

CORIOLIS MASS FLOW METER

Both Atlas DEF dispenser models are equipped with a Coriolis Mass Flow Meter for exceptional accuracy.

- Mass flow technology delivers industry leading accuracy – even as the product characteristics change
- No moving parts that wear or stick, delivering reliable operation
- Measures mass directly and independently from viscosity and density changes, allowing the meter to be unaffected by temperature, conductivity and solid content
- Weights & Measures approved for transfer sales
- Electronic calibration for accuracy



9872K Elec E85 Disp, Single Front-Load
Opposite Junction Box Side

9872K

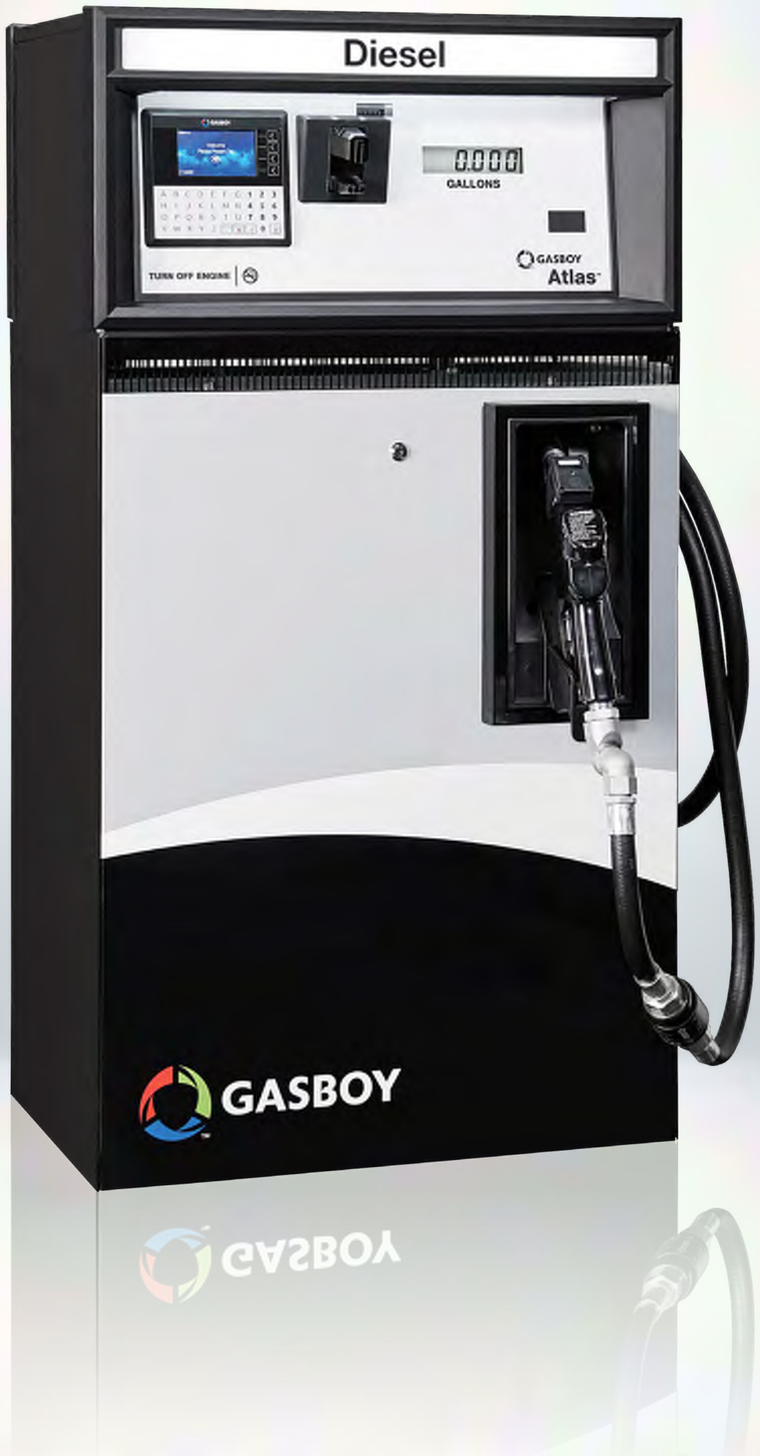
ATLAS 9872K E85

ELECTRONIC E85

Atlas E85 Dispenser

The 9872K Series is specifically designed and UL listed for use with E85 fuels. Works with the same site controllers as other Atlas electronic models.

DURABLE	Rugged Atlas welded G90 galvanized-steel frame.
EASY USE	Large 1" LCD display with LED backlight and capacitor back up.
ACCURATE	Electronic calibration. Rated at 15 gpm.
DEPENDABLE	Proven hydraulics from the Encore E85 series.
FLEXIBLE	Use with alternative fuels up to E85 or B100 along with conventional motor fuels.



PRIME

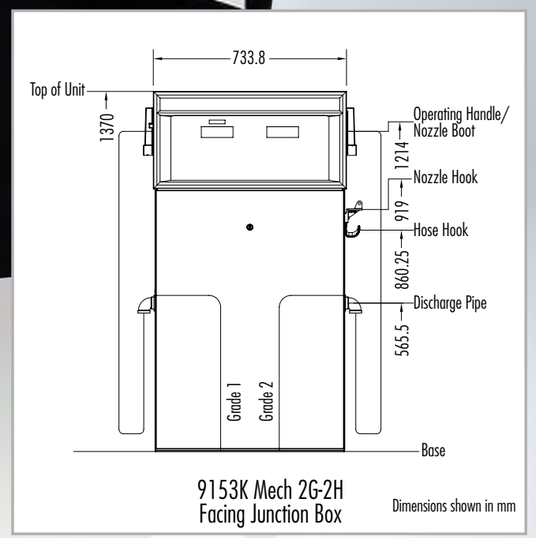
ATLAS PRIME

GASBOY FUEL MANAGEMENT

Gasboy Atlas PRIME

The newest Gasboy development integrates the Gasboy PRIME fuel-authorization terminal into the Atlas electronic platform. This provides full fuel management from the pump. The PRIME can operate as a stand alone or remote terminal.

EASY USE	Large, user-friendly, 40-key, and full alpha-numeric keypad with 4.3" high-brightness, LCD color screen and four soft-function keys.
ADVANCED TECHNOLOGY	MIFARE contactless reader with insert magnetic card reader. Optional HID reader. Web connection to Home Base FHO. Use in combination with an external printer.
FLEXIBLE	Optional FuelPoint PLUS controller.



9153K Mech 2G-2H
Facing Junction Box

Dimensions shown in mm

9153K

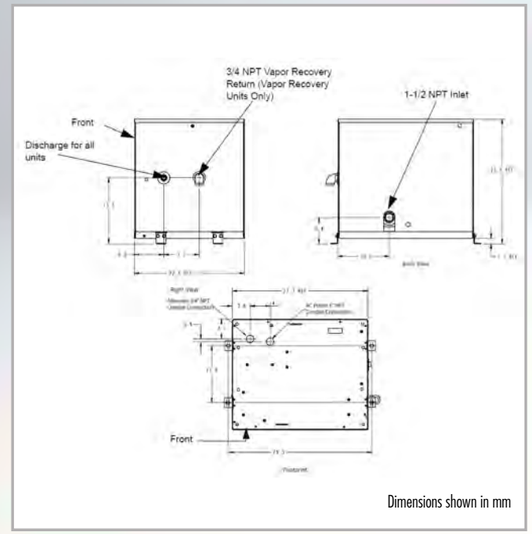
ATLAS 9153K

MECHANICAL HIGH FLOW

High Flow with Mechanical Register

The 9153K Series High Flow Atlas uses a mechanical register in the pump and dispenser models. Traditional refueling platform without electronics – simple to service.

DEPENDABLE	Same hydraulics as 9853 series with reliable VR10 mechanical register.
FAST	High-flow rated at 22 gpm.
DURABLE	10-vane suction pump with 1 HP motor. Power-operated reset mechanism.
FLEXIBLE	Pulser options for interface to site controllers. Keytrol option still available.



Dimensions shown in mm

Dimensions shown in mm

9823K

ATLAS 9823K

ELECTRONIC AST

Tank-Mounted Pump

The Atlas 9823K ASTRA is a split-remote, AST-mounted pump with an electronic display and a nozzle hang-up at grade. It has easy access and viewing at just the right user height.

EASY USE	W&M sealable Fleet pumps for above ground storage tanks (AST). Large 1" LCD display with LED backlight and capacitor backup.
DEPENDABLE	UL, cUL listed. NCWM approved. MC approved.
FLEXIBLE	Mount pump on top, side of tank or at grade.
FAST	Rated at 21 gpm.
VERSATILE	Use with Gasboy PLUS or competitive, fuel-management controllers for complete fuel management.

ATLAS MODELS

GASBOY MODELS

Model Number	Description	Type	Hoses	Products	Register	Flow Rating
9153K						
9153K	Hi-flow Single Pump	Pump	1	1	Mech	22 gpm
9152KTW1	Std-flow Twin 1 Pump	Pump	2	1	Mech	15 gpm
9153KTW1M	Hi-flow Twin 1 Pump	Pump	2	1	Mech	22 gpm
9153KTW2	Hi-flow Twin 2 Pump	Pump	2	2	Mech	22 gpm
9153KX	Hi-flow Single Dispenser	Dispenser	1	1	Mech	22 gpm
9153KXTW1	Hi-flow Twin 1 Dispenser	Dispenser	2	1	Mech	22 gpm
9153KXTW2	Hi-flow Twin 2 Dispenser	Dispenser	2	2	Mech	22 gpm
9853K						
9853K	Hi-flow Single Pump	Pump	1	1	Elec	22 gpm
9852KTW1	Std-flow Twin 1 Pump	Pump	2	1	Elec	15 gpm
9853KTW1M	Hi-flow Twin 1 Pump	Pump	2	1	Elec	22 gpm
9853KTW2	Hi-flow Twin 2 Pump	Pump	2	2	Elec	22 gpm
9853KX	Hi-flow Single Dispenser	Dispenser	1	1	Elec	22 gpm
9853KXTW1	Hi-flow Twin 1 Dispenser	Dispenser	2	1	Elec	22 gpm
9853KXTW2	Hi-flow Twin 2 Dispenser	Dispenser	2	2	Elec	22 gpm
9840K						
9840K	Super-hi Single Pump	Pump	1	1	Elec	40 gpm
9840KX	Super-hi Single Dispenser	Dispenser	1	1	Elec	40 gpm

Model Number	Description	Type	Hoses	Products	Register	Flow Rating
9850K						
9850K	Ultra-hi Flow Single Pump	Pump	1	1	Elec	50 gpm
9850KTW3	Ultra-hi Flow Combo Pump	Pump Combo	2	1	Elec	50 gpm
9850KX	Ultra-hi Flow Single Disp	Dispenser	1	1	Elec	50 gpm
9850KXTW1	Ultra-hi Flow Twin 1 Disp	Dispenser	2	1	Elec	50 gpm
9850KXTW2	Ultra-hi Flow Twin 2 Disp	Dispenser	2	2	Elec	50 gpm
9850KXTW3	Ultra-hi Flow Combo Disp	Disp Combo	2	1	Elec	50 gpm
9862K						
9862KX–Z	DEF – Cold Weather	Dispenser	1	1	Elec	
9862KX–WW	DEF – Warm Weather	Dispenser	1	1	Elec	
9862KX–ZWW	DEF – Warm Weather	Dispenser	1	1	Elec	
9872K						
9872KX	E85 – Single	Dispenser	1	1	Elec	15 gpm
9872KXTW1	E85 – Twin 1	Dispenser	2	1	Elec	15 gpm
9823K						
9823K	ASTRA Split AST Pump	Pump	1	1	Elec	21 gpm
9216K						
9216K	Satellite	Satellite	1	1	None	
9216KTW	Satellite	Satellite	2	1	None	

ATLAS FEATURES

GASBOY MODELS

Feature	Short Description	9853	9840	9850	9823	9872	9862 CW	9862 WW	9153	9216
Approvals	Safety: UL and cUL Listed	S	S	S	S	S	MET	MET	S	S
	W&M: NCWM, Measurement Canada (MC)	S	S	S	S	S	S	S	S	S
Working Pressure	50 psi maximum	S	S	S	S	S	S	S	S	S
Operating Temp	-30°C to +55°C	S	S	S	S	S	S	-11°C	S	S
Unit of Measure	Gallons (liters optional)	S	S	S	S	S	S	S	S	—
Meter	Gilbarco 4 piston PD CFT Meter	S	S	—	S	S	—	—	S	—
	Liquid controls 6 step rotary PD Meter	—	—	S	—	—	—	—	—	—
	Coriolis Mass Flow Meter	—	—	—	—	—	S	S	—	—
Motors/Voltages	1 HP CD – 115V/60Hz (230V/50Hz optional)	S	S	—	S	—	—	—	S	—
	1½ HP CD – 115V/60Hz (230V/50Hz optional)	—	—	S	—	—	—	—	—	—
	3/4 HP CD 380V/50Hz/3-phase	0	0	—	0	—	—	—	0	—
Pump Models	10 vane rotary w/air separator	S	S	—	S	—	—	—	S	—
	High speed rotary vane w/air separator	—	—	S	—	—	—	—	—	—
Solenoid Valve	2-stage valve for Preset Operation (PP)	1"	1½"	1½"	1"	1"	¾"	¾"	1"	1½"
Filters	Internal spin-on style (F)	S	S	Strainer	S	S	Strainer	Strainer	S	—
	External Canister Type	0	0	0	0	—	—	—	0	0
Piping	Internal Fuel Piping	1"	1½"	1½"	1"	1"	¾"	¾"	1"	1½"
Discharge	Hose Connection – NPT	1"	1¼"	1¼"	1"	¾"	1" BSPP	1" BSPP	1"	1¼"
Satellite Piping	Satellite piping connection (S) – disp only	0	0	0	—	—	—	—	0	—
Inlet	Island Connection – NPT	1½"	2"	2"	1½"	1½"	1" BSPP	1" BSPP	1½"	1½"
Junction Box	Field Wiring Junction Box	S	S	S	S	S	S	S	S	S
Housing	G90 Galvanized Steel	13 GA	13 GA	13 GA	11 GA	13 GA	13 GA	13 GA	13 GA	13 GA
Panels	Lockable removable – Painted Galvanized Steel (std) – gauge	20	20	20	16	20	20	20	20	20
	Lockable removable – Kooline Stainless Steel – 22 gauge	0	0	0	—	0	—	0	0	0
Sheathing	Replaceable – Painted G60 Galvanized Steel (std) – gauge	20	20	20	16	20	20	20	20	20
	Replaceable – Kooline Stainless Steel – 22 gauge	0	0	0	—	0	0	0	0	0

Feature	Short Description	9853	9840	9850	9823	9872	9862 CW	9862 WW	9153	9216
Computer/Register	Electronic Register – Volume only display	S	S	S	S	S	S	S	—	—
	Mechanical Register – VR10 volume only	—	—	—	—	—	—	—	S	—
Electronic Display	1" LCD w/LED Backlight & Capacitor Backup	S	S	S	S	S	S	S	—	—
Interface Options	Pulser – 10:1 or 100:1 volume (CC or CX)	—	—	—	—	—	—	—	0	—
	RS-485 – Gasboy CFN, Islander, or TopKat	0	0	0	0	0	0	0	—	—
	Pulse Output I/F	0	0	0	0	0	0	0	—	—
	DC conduit and junction box (D)	S	S	S	—	S	S	S	—	—
	Keytrol (EK)	—	—	—	—	—	—	—	0	—
TopKAT PLUS	TopKAT PLUS with Ethernet conduit (factory install)	0	0	0	—	0	0	0	—	—
Brand Panel Lighting	LED Lighted brand panel (L)	0	0	0	—	0	0	0	0	—
Totalizers	Electronic	S	S	S	S	S	S	S	—	—
	Non-resettable Electro-mechanical	0	0	—	—	0	0	0	—	—
	Non-resettable mechanical	—	—	0	0	—	—	—	S	—
Nozzle Position	Side load	S	S	S	—	S	—	S	S	—
	Front load (Z)	0	0	0	S	0	S	0	—	S
Hose Retractors	Internal hose retractor (I)	0	0	—	—	—	—	—	0	—
	Internal hose reel	—	—	—	—	—	S	—	—	—
	High hose retractor – external post mounted	0	0	0	0	0	—	0	0	0
AST Applications	Pressure Regulating Valve Model 52A – suction pumps only	0	—	—	0	—	—	—	0	—
	9850 Above Ground Tank Kit – suction pumps only	—	—	0	—	—	—	—	—	—
Warranty	12 month – Parts and labor	S	S	S	S	S	S	S	S	S
	Extended – 2, 3, 4 or 5 years	0	0	0	0	0	—	—	0	0
Miscellaneous	ATC (Canada only)	0	0	0	—	—	—	—	—	—
	Hand crank (K)	—	—	—	—	—	—	—	0	—
	Power reset	—	—	—	—	—	—	—	S	—
	Display power fail backup	S	S	S	S	S	S	S	—	—
	Internal cabinet heater (DEF only)	—	—	—	—	—	S	—	—	—
	Balanced vapor recovery	0	—	—	0	—	—	—	0	—
	Healy Universal Kit compatible	0	—	—	—	—	—	—	0	—
	Hose, nozzle, swivel, breakaway	0	0	0	0	0	0	0	0	0

S = Standard; O = Optional; – = not available

www.gasboy.com

P-7080 | 022217 | Gilbarco Veeder-Root | 7300 W. Friendly Ave., Greensboro, NC 27410

SpawGlass Contractors, Inc.
9331 Corporate Drive
Selma, Texas 78154
(210) / 651-9000, FAX (210) / 651-4450

PROJECT MANAGEMENT Transmittal

No 0061

PROJECT: The Texas Water Company New Warehouse

DATE: 04/03/2024

To: M&S Engineering
376 Landa St
New Braunfels TX 78130

RE: Propane Tank

ATTN: Kristina Denham

JOB: 3022068

WE ARE SENDING:		SUBMITTED FOR:		ACTION TAKEN:	
	Shop Drawings	✓	Approval		Approved as Submitted
	Letter		Your Use		Approved as Noted
	Prints		As Requested		Returned After Loan
	Change Order		Review and Comment		Resubmit
	Plans				Submit
	Samples	SENT VIA:			Returned
	Specifications		Attached ☐ Separate Cover		Returned for Corrections
	Other: Product Data			✓	Due Date: 04/26/2024
	Submittal:				Other:

Line	Item	Package	Code	Rev.	QTY	Date	Description	Status
1	Submittal		23 11 23	1		04/03/2024	Propane Tank	

REMARKS: Please see attached Submittal# 23 11 23- Propane Tank, for review and approval in regards to the Texas Water Warehouse project.

CC:

Signed: LIAM COREY

SpawGlass Contractors, Inc.

REVIEWED FOR COMPLIANCE ☑
COMMENTS NOTED ☐
REVISE AND RESUBMIT ☐
OTHER:_____ ☐

DATE: 04.03.2024

REVIEWED BY: Liam Corey

APPROVAL DOES NOT RELIEVE THE SUBCONTRACTOR OR SUPPLIER OF RESPONSIBILITY FOR ACCURACY, COMPLETENESS, QUANTITIES, DIMENSIONS, AND COMPLIANCE WITH CONTRACT DOCUMENTS

256770
Shop Order Number

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by **Svifflug, S. de R.L. de C.V., Monclova Plant, Avenida Prolongacion Francisco I Madero S/N, Zona Industrial, Frontera, Coahuila, C.P. 25650, Mexico**
(Name and address of Manufacturer)

2. Manufactured for **TRIARCTANK, 500 N. Akard ST Suite 400, Dallas, Texas, 75201, USA**
(Name and address of Purchaser)

3. Location of Installation **Not known**
(Name and address)

4. Type	(Manufacturer's serial number)	(CRN)	(Drawing number)	(National Board number)	(Year built)
Horizontal (Horizontal or vertical, tank)	**M2320238**	**Y4462.2C**	**0074001200002 SHT 1/2 Rev Q**	**M2320238**	**2023**

5. ASME Code, Section VIII, Division 1	[Edition and Addenda, if applicable (date)]	(Code Case numbers)	[Special service per UG-120(d)]
	2021/ N/A	**N/A**	**N/A**

6. Shell:	(Material spec. number, grade)	(Nominal thickness)	(Corr. allow.)	(Inner diameter)	[Length (overall)]
	SA-455	**0.273"**	**0"**	**3' 10.224" (ID)**	**21' 5.75"**

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams:	[Long. (welded, dbl., sngl., lap, butt)]	[R.T.(spot or full)]	(Eff.,%)	(H.T. temp)	(Time, hr)	[Girth. (welded, dbl., sngl., lap, butt)]	[R.T. (spot or full)]	(Eff., %)	(No. of courses)
	TYPE 1 *	**Full**	**100%**	**N/A**	**N/A**	**TYPE 2**	**Spot**	**65%**	**3**

8. Heads: (a) **SA-455** (Material spec. number, grade or type) (H.T. - time and temp.)
(b) **N/A** (Material spec. number, grade or type) (H.T. - time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	**ENDS**	**0.272**	**0"**	**N/A**	**N/A**	**2:1**	**N/A**	**N/A**	**N/A**		**X**	**N/A**	**N/A**	**N/A**

Body Flanges on Heads

	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

9. MAWP **250 psi** (Internal) **N/A** (External) at max. temp. **125 °F** (Internal) **N/A** (External)

Min. design metal temp. **-20 °F** at **250 psi** . Hydro, pneu., or comb. test pressure **HYDRO. at 395 psi** .

Proof test **N/A** .

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
MULTIVALVE	**1**	**0.75" NPS**	**FLG CPLG**	**SA105**	**N/A**	**0.413"**	**N/A**	**N/A**	**UW16.2(c)**	**N/A**	**N/A**
FLOAT GAUGE	**1**	**1" NPS**	**FLG CPLG**	**SA105**	**N/A**	**0.405"**	**N/A**	**N/A**	**UW16.2(c)**	**N/A**	**N/A**
FILL	**1**	**1.25" NPS**	**FLG CPLG**	**SA105**	**N/A**	**0.357"**	**N/A**	**N/A**	**UW16.2(c)**	**N/A**	**N/A**
RELIEF VALVE	**2**	**1.25" NPS**	**FLG CPLG**	**SA105**	**N/A**	**0.357"**	**N/A**	**N/A**	**UW16.2(c)**	**N/A**	**N/A**
LIQUID PLUGGED	**1**	**1.25" NPS**	**FLG CPLG**	**SA105**	**N/A**	**0.357"**	**N/A**	**N/A**	**UW16.2(c)**	**N/A**	**N/A**
LIQUID OUT	**1**	**1.25" NPS**	**FLG CPLG**	**SA105**	**N/A**	**0.357"**	**N/A**	**N/A**	**UW16.2(c)**	**N/A**	**N/A**

11. Supports: Skirt **N/A** (Yes or no) Lugs **2** (Number) Legs **4** (Number) Other **N/A** (Describe) Attached **LEGS & LUG PAD WELDED TO SHELL** (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

N/A
(Name of part, item number, Manufacturer's name and identifying stamp)

2000 NOM. W.G. AGPT LPG DOMESTIC TANK TO BE USED IN A NON-CORROSIVE SERVICE.
CONSTRUCTED UNDER THE PROVISIONS OF UG-90(c)(1).IMPACT TESTING EXEMPTED PER UG-20(f).*REAL TIME RADIOSCOPIC EXAM. LONG SEAM. SPOT X-RAY PER UW-11(a)(5)(b)(RT 2).OVERPRESSURE PROTECTION PER UG-125.
0074001200002 SHT 2/2 Rev M.
*Shell and heads thickness reported are the minimum required by ASME Code.

Manufactured by	**Svifflug, S. de R.L. de C.V., Monclova Plant, Avenida Prolongacion Francisco I Madero S/N, Zona Industrial, Frontera, Coahuila, C.P. 25650, Mexico**
Manufacturer's Serial No.	**M2320238** CRN **Y4462.2C** National Board No. **M2320238**

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number **23678**

expires **July 18, 2024**

Date **06/05/2023** Co. name **Svifflug, S. de R.L. de C.V., Monclova Plant** (Manufacturer) Signed _____ (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

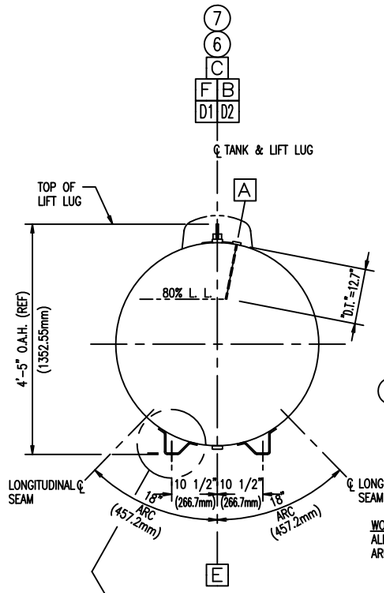
Vessel constructed by **Svifflug, S. de R.L. de C.V., Monclova Plant** at **Avenida Prolongacion Francisco I Madero S/N, Zona Industrial, Frontera, Coahuila, C.P. 25650, Mexico**

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by

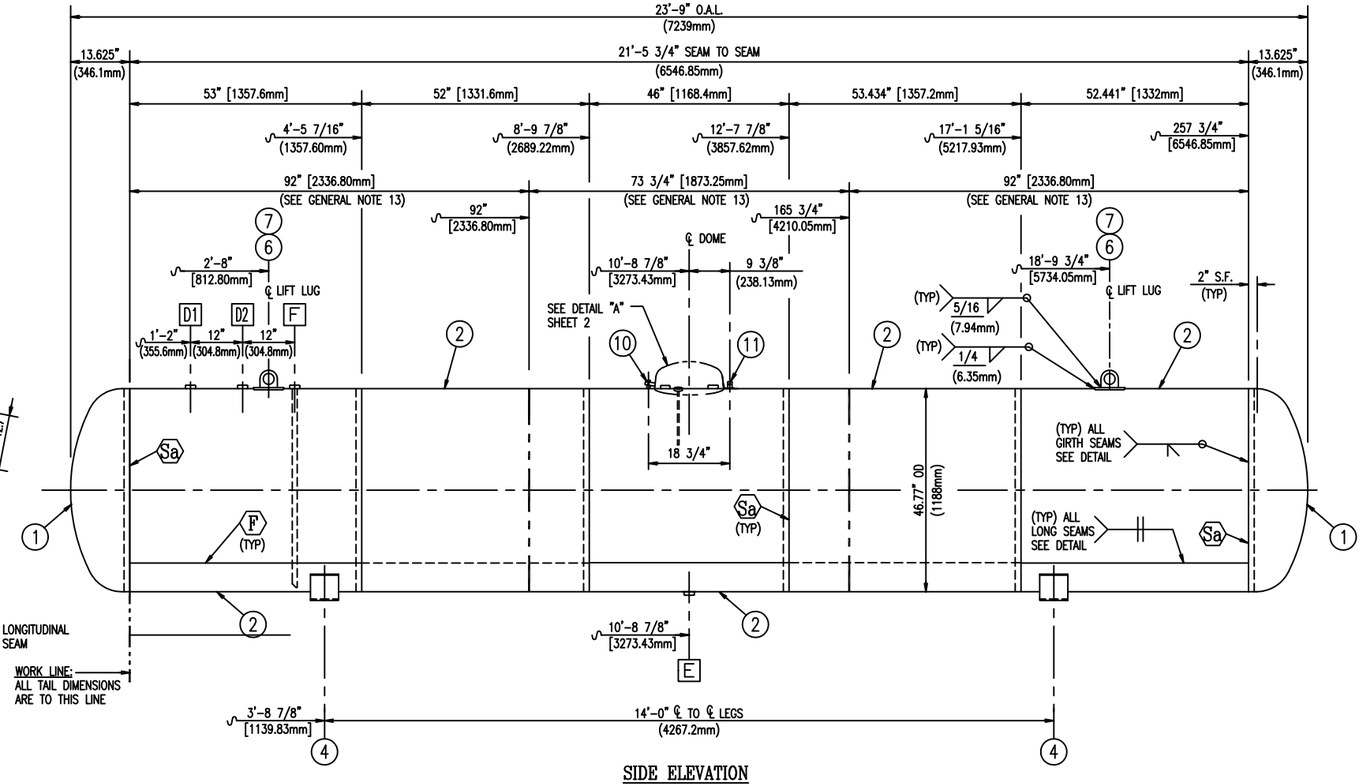
Bureau Veritas Inspection and Insurance Company, of Lynn, MA

have inspected the component described in this Manufacturer's Data Report on June 5, 2023, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

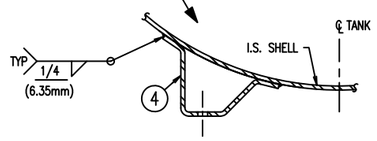
Date 06/12/2023 Signed _____ (Authorized Inspector) Commissions 12771 (National Board Authorized Inspector Commission number)



END VIEW

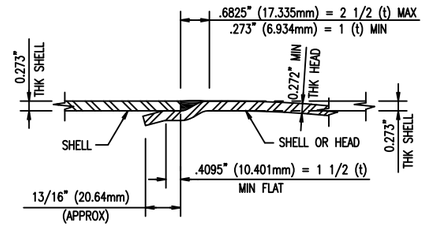


SIDE ELEVATION



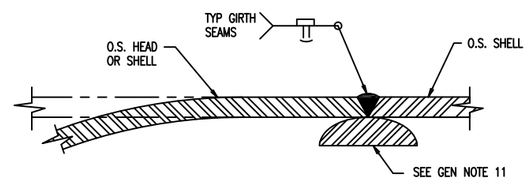
SHOP NOTE:
SHELL RING WIDTHS MAY VARY, ADJUST IF BACK-UP BAR IS USED, HOLD LENGTH SEAM TO SEAM.

USE RUN OFF TABS ON EACH END OF SHELL RING WHEN WELDING LONG. SEAM.



DETAIL OF HEAD TO SHELL SEAM

OFFSET JOINT CONFORMS TO ASME CODE SECTION VIII DIVISION 1, FIGURE UW-13.1(f) IF OFFSET IN SHELL, LIQUID DYE PENETRANT, WET OR DRY FLUORESCENT MAGNETIC PARTICLE METHOD AT THE LONGITUDINAL SEAM INSIDE AND OUTSIDE PER APPROVED PROCEDURE DE MEXICO S AND DE RL DE CV PROCEDURE



OPTIONAL
DETAIL OF HEAD TO SHELL
AND INTERMEDIATE GIRTH SEAMS

CONSTRUCTION NOTES

1. TANK CONFORMS TO THE 2017 EDITION OF THE ASME CODE FOR PRESSURE VESSELS, SECTION VIII DIVISION 1, NFPA 58.
2. POSTWELD HEAT TREAT: NOT REQUIRED
3. RADIOGRAPH: X-RAY REQUIRED PER ASME CODE. (SEE LEGEND)
4. JOINT EFFICIENCY: SHELL LONG SEAM ---------- 100%
   GIRTH SEAMS: ---------- 65%
   HEADS: (ONE PIECE) ---------- 100%
5. CORROSION ALLOWANCE: HEADS ---------- 0, SHELL ---------- 0
6. MAXIMUM ALLOWABLE WORKING PRESSURE: 250 PSI (1.72 Mpa) AT 125°F (51.7°C): EXTERNAL: 0
7. MAXIMUM PRESSURE NEW: 250 PSI (1.72 Mpa) AT 125°F (51.7°C) LIMITED BY HEADS AND SHELL. MDMT: -20°F (-28.8°C) AT 250 PSIG (1.72 Mpa).
8. HYDROSTATIC TEST PRESSURE: 325 PSI (2.24 Mpa) MIN.
   395 PSI (2.72 Mpa) MAX.
9. MAXIMUM ALLOWABLE STRESS AT 125°F (51.7°C): HEADS ---- 21,400 PSI,
10. WELDING AND WELDING MATERIALS SHALL BE ACCORDING TO APPROVED PROCEDURES: WM-DT320 (MONCLOVA PLANT)
11. DIMENSIONS GIVEN ON A CURVED SURFACE ARE ALONG OUTSIDE CURVATURE.
12. MAXIMUM WELD REINFORCEMENT INSIDE AND OUTSIDE IS AS LISTED:
    -LONG AND GIRTH SEAM (CAT-A) 3/32"
    -GIRTH SEAM (CAT-B) 5/32"
13. VESSEL SHALL BE CLEANED INSIDE AND OUTSIDE, FREE OF DIRT, GREASE, DEBRIS, LOOSE MILL SCALE, WELD SPATTER, ETC.
14. THIS VESSEL WILL HAVE THE FITTINGS INSTALLED AND AIR TESTED IN ACCORDANCE WITH APPROVED STANDARD QS-LP-8.
15. DIMENSION TOLERANCES PER STANDARD DRAWING S-51182.
16. VESSEL FINISH:
    16.1 APPLY POWDER COATING PER CS-4005 & CA-4002.
17. THIS VESSEL IS TO BE VACUUM PURGED IN ACCORDANCE WITH APPROVED PROCEDURES.
18. ESTIMATED WEIGHT: 3,676 LBS. (1667.49 kg)
19. PERMISSIBLE OUT-OF-ROUNDNESS CONFORM UG-80 (1.0% D) = 0.467"
20. TOLERANCES FOR FORMED HEADS PER UG-81 OUTSIDE 1-1/4% D = 0.584"
21. ALIGNMENT TOLERANCE PER UW-33 (1/4t) = 0.068" MAX.
22. ANGULAR TOLERANCES ± 1°
23. NOT INDICATED TOLERANCES ± 1/8
24. TOTAL VOLUME TOLERANCE: ± 2%
25. SIZE OF FILLET WELDS SHALL BE THE INDICATE -0" / + 1/16"
26. MAXIMUM GAP PERMISSIBLE: 0 UP TO 1/16"
27. IMPACT TESTING EXEMPTION PER UG-20 (f)

MATERIAL SPECIFICATIONS

HEADS:	SA455
SHELL:	SA455
STRUCTURAL:	P-1, SA36 OR EQUAL
COUPLINGS:	SA105 OR EQUAL
INTERNAL PIPE:	A120, P-1 OR EQUAL
LEGS & PADS:	SA36 OR EQUAL

GENERAL NOTES

1. OPENING "F": PROVIDE WITH WITHDRAWAL TUBE ASSEMBLED PER 1711220009.
2. OPENINGS "A, B, C, D1, D2, E AND F" ARE SET FLUSH.
3. VALVE KIT (ITEM 20) SHALL BE SHIPPED INSTALLED ON TANK.
4. INSTALL FLOAT GAUGE WITH ARM SET 45° OFF AXIS OF TANK AS INDICATED IN FITTING LAYOUT.
5. OUTSIDE SURFACE AREA IS 305 SQ. FT. (28.35 SQ. M.), MINIMUM RELIEF REQUIRED FOR LPG IS 5,842 SCFM.
6. TAG KIT (ITEM 14) MUST BE WIRED TO MULTIVALVE PRIOR TO SHIPMENT. SERIAL NUMBER TAG (ONLY) TO BE REMOVED BEFORE SHIPPING.
7. VALVE MANUFACTURER INSTRUCTIONS ARE TO BE SENT WITH TANK TO CUSTOMER.
8. NAMEPLATES:
   - 1711290304 WHEN FABRICATED IN MEXICO FOR USE IN USA.
9. SEAL WELD HINGE (ITEM 10) AND KEEPER (ITEM 11) TO VESSEL.
10. OPENING "E": HEX HEAD PLUG MUST BE INSTALLED IN ACCORDANCE WITH QUALITY ASSURANCE STANDARD QS-LP-8.
11. THE SHELL RINGS ARE SIZED FOR CRIMPED SEAMS. IF BUTT WELD W/BACK-UP BAR IS USED, THE CENTER SECTION OF THE TANK WILL BE MODIFIED TO MAINTAIN OVERALL LENGTH OF TANK. BACK-UP BAR WILL BE S-83406-03.
12. NOZZLE INSIDE EDGES TO BE ROUNDED PER UG-76 (c)
13. **FOR TANKS BUILT IN MEXICO:**
    THE SHOP HAS THE OPTION TO USE (3) SHELL RINGS. THE SHOP WILL USE PART NUMBERS 1711050014-01, IN PLACE OF ITEM 2. LONGITUDINAL ARE SEAMS TO BE ALTERNATED, QUANTITY OF 3.

REFERENCE DRAWING LIST					
0074001200002-FP3	SHELL LAYOUT-SHEET 3				
0074001200002-FP3	SHELL LAYOUT-SHEET 2	F	1	7591U	66.0017
0074001200002-FP3	SHELL LAYOUT-SHEET 1	E	1	PLUG	
1711220009	LIQUID WITHDRAWAL	D2	1	8685GT	66.1130
1711190004	BRACKET, REGULATOR	D1	1	8685GT	66.1130
1711190003	KEEPER, TANK	C	1	7579T	66.1232
1711190001	HINGE, TANK	B	1	ROCHESTER DIAL 5-1749 W/ 1" CLPG. B8981-01246	
1711180004	LEG, SUPPORT				
1711150004	LIFTING LUG	A	1	7556RT	67.0720
1711070002	PAD	MARK	QTY	REGO	CAVAGNA
1711020022	HEAD, ELLIP			LPG	
0908001	L.P. GAS DECAL				

FITTINGS PARTS LIST
SHIP INSTALLED ON VESSEL

SCHEDULE OF OPENINGS

MARK	QTY	SIZE	DESCRIPTION	SERVICE	ITEM	PROJ	WELD	ATTACH. FIG.	GEN. NOTES
F	1	1 1/4"	COUPLING, FLANGED	LIQUID OUT	19	TO SUIT	3/8	16.2 (c)	1
E	1	1 1/4"	COUPLING, FLANGED	PLUGGED LIQUID	8, 18	TO SUIT	3/8	16.2 (c)	2, 10
D2	1	1 1/4"	COUPLING, FLANGED	RELIEF VALVE	18	TO SUIT	3/8	16.2 (c)	2, 5
D1	1	1 1/4"	COUPLING, FLANGED	RELIEF VALVE	18	TO SUIT	3/8	16.2 (c)	2, 5
C	1	1 1/4"	COUPLING, FLANGED	FILL	18	TO SUIT	3/8	16.2 (c)	2
B	1	1"	COUPLING, FLANGED	FLOAT GAUGE	17	TO SUIT	3/8	16.2 (c)	2
A	1	3/4"	COUPLING, FLANGED	MULTIVALVE	16	TO SUIT	3/8	16.2 (c)	2

X-RAY LEGEND

- (F) FULL OR RADIOSCOPIC PER WRITTEN PROCEDURES
- (Sa) SPOT REQUIRED PER UW-11(a)(5)(b)
- (Sb) SPOT PER UW-11(b)

S/O NO. SEE PRODUCTION PLAN
CUSTOMER: --
P/O NO. -- QTY. --

REV	BY	CHK	DATE	DESCRIPTION
M	CT	VAN	10-23-19	ADDED GEN NOTE 13
L	NNK	VS	10-31-18	TRINITY TO ARCOSA NAME CHANGE
K	JV	-	02-02-18	GENERAL REVISION
J	CT	-	7-11-17	ADD MIN/MAX DIMS. TO DETAIL OF HEAD TO SHELL SEAM
H	GK	-	5-30-17	REMOVE BLACK COATING. ADD HYDRO MAX
G	CT	-	8-29-16	ADDED CONST NOTE 27 & GEN NOTE 12.
F	CT	-	7-5-16	ADDED CONST NOTE 19-26. REV GEN NOTE 8.
E	GK		5-26-16	ADDED BODY SEAL COATING.

ARCOSA TANK, LLC

TANK, HORIZONTAL STORAGE
46.77" OD (1188mm), 2000 NOM WG
(7570 l), 250 PSI (1.72 Mpa)
ARCOSA TANK, LLC STANDARD A/G PROPANE

DRAWN	BBN	1-17-02	DRAWING NO.	SHEET	REV.
CHKD	JR	1-17-02	0074001200002	1	M