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: WOODCREEK WWTP						**2. Regulated Entity No.: RN102956448**			
3. Customer Name: AQUA TEXAS INC						**4. Customer No.: CN604062463**			
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):**			23.57
9. Application Fee:	$6,500		**10. Permanent BMP(s):**					Vegetative filter strips and two sedimentation and filtration water quality ponds	
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						

13. County:	Hays	14. Watershed:	Lower Blanco River

Application Distribution

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

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

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

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	___	___	___
Region (1 req.)	___	___	___
County(ies)	___	___	___
Groundwater Conservation District(s)	___Edwards Aquifer Authority ___Barton Springs/ Edwards Aquifer _X_ Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda ___Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley _X_ 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	___Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___San Antonio ETJ (SAWS)	NA

	__San Antonio (SAWS) __Shavano Park				

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. Gautam Patwardhan
Print Name of Customer/Authorized Agent Patwardhan February 03, 2025
Signature of Customer/Authorized Agent Date

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

Modification of a Previously Approved Contributing Zone Plan

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Gautam Patwardhan, PhD, P.E.

Date: February 03, 2025

Signature of Customer/Agent:

Project Information

1. Current Regulated Entity Name: Woodcreek WWTP
   Original Regulated Entity Name: Woodcreek Wastewater Treatment Facility
   Assigned Regulated Entity Number(s) (RN): RN102956448
   Edwards Aquifer Protection Program ID Number(s): _____
   ☒ The applicant has not changed and the Customer Number (CN) is: CN604062463
   ☐ 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	19.14	23.57
Type of Development	WWTP	WWTP
Number of Residential Lots	0	0
Impervious Cover (acres)	0.79	2.97
Impervious Cover (%)	4.12	12.60
Permanent BMPs	Two grassy swales	VFS and two WQ ponds
Other	N/A	N/A

AST Modification Summary	***Approved Project***	***Proposed Modification***
Number of ASTs	N/A	N/A
Other	N/A	N/A

UST Modification Summary	***Approved Project***	***Proposed Modification***
Number of USTs	N/A	N/A
Other	N/A	N/A

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: Original Approval Letter and Original CZP Application

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

January 27, 2000

Mr. Craig Sherwood
Regional Manager of Operations
AquaSource Services and Technologies, Inc.
5008 Burleson Road
Austin, Texas 78744

Re: Edwards Aquifer, Hays County
NAME OF PROJECT: Woodcreek Utilities Wastewater Improvements and Effluent Holding Pond; South Side of RM 2325 at Jacobs Well Road; Hays County, Texas
TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
Edwards Aquifer Protection Program File No. 00011402

Dear Mr. Sherwood:

The Texas Natural Resource Conservation Commission (TNRCC) has completed its review of the CZP application for the referenced project submitted to the Austin Regional Office by CMA Engineering, Inc. on behalf of AquaSource Services and Technologies, Inc. on January 14, 2000. As presented to the TNRCC, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Contributing Zone Plan. A motion for reconsideration must be filed no later than 20 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% of the construction has commenced on the project or an extension of time has been requested.*

PROJECT DESCRIPTION

The proposed wastewater treatment plant will be located on 19.14 acres and will consist of a pump house, wastewater operations building, wastewater treatment facility, effluent holding pond, and an access road. The proposed impervious cover for the development is approximately 0.79 acres (4.12%of the total area of the site).

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent pollution of stormwater runoff originating on-site or up-gradient of the site and potentially flowing across and off the site after construction, two grassy swales will be constructed. The calculated loading removal rate (575 pounds) will exceed the required load removal (454 pounds).

STANDARD CONDITIONS

1. Pursuant to §26.136 of the Texas Water Code and the Texas Health and Safety Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

2. 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 until all regulated activities are completed.

3. Any modification to the activities described in the referenced Contributing Zone Plan 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.

4. The applicant must provide written notification of intent to commence construction of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

5. 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 TNRCC 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:

6. 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.

7. 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).

8. 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.

9. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

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

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

director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TNRCC-10263) is enclosed.

12. 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.

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

14. 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.

If you have any questions or require additional information, please contact Mr. James Bice, P.E. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,

for Elsworth H. Johnson

Jeffrey A. Saitas, P.E.
Executive Director
Texas Natural Resource Conservation Commission

JAS/jeb

Enclosure(s): Change in Responsibility for Maintenance on Permanent BMPs-Form TNRCC-10263

cc: Mr. Jeffrey Reed, Project Manager, CMA Engineering, Inc., Austin, Texas
The Honorable Jim Powers, County Judge, Hays County
Mr. Allan G. Walther, Director of Environmental Health, Hays County Health Dept.
Ms. Jeffie Barbee, TNRCC Field Operations, Austin, Texas

Contributing Zone Plan Checklist

X Contributing Zone Plan Application, *TNRCC-10257*

ATTACHMENT A - Road Map
ATTACHMENT B - USGS Quadrangle Map
ATTACHMENT C - Project Narrative
ATTACHMENT D - Factors Affecting Surface Water Quality
ATTACHMENT E - Volume and Character of Stormwater
ATTACHMENT F - Suitability Letter from Authorized Agent, if OSSF is proposed
ATTACHMENT G - Alternative Secondary Containment Methods, if AST is proposed and alternative method of secondary containment is proposed
ATTACHMENT H - AST Containment Structure Drawings, if AST is proposed
ATTACHMENT I - 20% or Less Impervious Cover Waiver, if project is multi-family residential, a school, or a small business and 20% or less impervious cover is proposed for the site
ATTACHMENT J - BMPs for Upgradient Stormwater
ATTACHMENT K - BMPs for On-site Stormwater
ATTACHMENT L - BMPs for Surface Streams
ATTACHMENT M - Construction Plans
ATTACHMENT N - Inspection, Maintenance, Repair and Retrofit Plan
ATTACHMENT O - Pilot-Scale Field Testing Plan, if guidance other than the Edwards Aquifer Protection Program Guidance Manual to design Permanent BMPs
ATTACHMENT P - Measures for Minimizing Surface Stream Contamination

X Storm Water Pollution Prevention Plan (SWPPP)

X Notice of Intent (NOI)

X Agent Authorization Form, *TNRCC-0599*, if submitted by agent

X Contributing Zone Fee Application Form, *TNRCC-10258*

X Check Payable to the Texas Natural Resource Conservation Commission

CONTRIBUTING ZONE PLAN APPLICATION
FOR REGULATED ACTIVITIES
ON THE CONTRIBUTING ZONE TO THE EDWARDS AQUIFER
AND RELATING TO 30 TAC §213.24(1), EFFECTIVE JUNE 1, 1999

Project Name: Woodcreek Utilities Wastewater Improvements and Effluent Holding Pond

County: Hays Stream Basin: Wilson Creek (Blanco River)

X Regulated activities on this site will disturb at least 5 acres.
_ Regulated activities on this site will disturb less than 5 acres and are part of a larger common plan of development or sale with the potential to disturb cumulatively five or more acres.

2. Applicant:

Contact Person: Craig Sherwood
Title: Regional Manager of Operations
Entity: AquaSource Services and Technologies, Inc.
Mailing Address: 5008 Burleson Road
City, State: Austin, Texas Zip: 78744
Telephone: (512) 326-2393 FAX: (512) 326-3589

3. Agent/Representative (If any):

Contact Person: Jeffrey Reed
Title: Project Manager
Entity: CMA Engineering, Inc.
Mailing Address: 14101 West Highway 290, Building 600
City, State: Austin, Texas Zip: 78737
Telephone: (512) 894-3230 FAX: (512) 894-3225

4. Site Address: N/A
Street:
City: Zip:

5. _ This project is inside the city limits of _____
_ This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____
X This project is not located within any city's limits or ETJ.

6. The location of the project site is described below. Sufficient detail and clarity has been provided so that the TNRCC's Regional staff can easily locate the project and site boundaries for a field investigation.
See Attached Road Map.

7. X **ATTACHMENT A - Road Map.** A road map showing directions to and the location of the project site is found as at the end of this form.

8. X **ATTACHMENT B - USGS Quadrangle Map.** A copy of the USGS Quadrangle Map (Scale: 1" = 2000') is found at the end of this form. The map(s) clearly shows:

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

9. X **ATTACHMENT C - Project Narrative.** A detailed narrative description of the proposed project is found at the end of this form.

10. Existing project site conditions are noted below:

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

PROJECT INFORMATION

11. The type of project is:

- _ Residential: # of Lots: _____
- _ Residential: # of Living Unit Equivalents: _____
- _ Commercial
- _ Industrial
- X Other: Wastewater Treatment Facility

12. Total project area (size of site): 19.14 Acres
Total disturbed area: 19.14 Acres

13. Projected population: 0

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

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	8991	÷ 43,560 =	0.21
Parking	0	÷ 43,560 =	0
Other paved surfaces	25332	÷ 43,560 =	0.58
Total Impervious Cover	34323	÷ 43,560 =	0.79
		Total Impervious Cover ÷ Total Acreage x 100 =	4.12 %

15. X **ATTACHMENT D - Factors Affecting Surface Water Quality.** A description of factors that could affect surface water quality is found as at the end of this form. If applicable, this should include the location and description of any discharge associated with industrial activity other than construction.

16. X Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

FOR ROAD PROJECTS ONLY
Complete questions 17-22 if this application is exclusively for a road project.

17. 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.

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

__ Concrete
__ Asphaltic concrete pavement
__ Other: _____

19. Length of Right of Way (R.O.W.): _____ feet.
Width of R.O.W.: _____ feet.
L x W = _____ Ft² □ 43,560 Ft²/Acre = _____ acres.

20. Length of pavement area: _____ feet.
Width of pavement area: _____ feet.
L x W = _____ Ft² □ 43,560 Ft²/Acre = _____ acres.
Pavement area _____ acres □ R.O.W. area _____ acres x 100 = ___% impervious cover.

21. __ A rest stop will be included in this project.
__ A rest stop will **not** be included in this project.

22. __ Maintenance and repair of existing roadways that do not require approval from the TNRCC 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 TNRCC.

STORMWATER TO BE GENERATED BY THE PROPOSED PROJECT

23. X **ATTACHMENT E - Volume and Character of Stormwater.** A description of the volume and character (quality) of the stormwater runoff which is expected to occur from the proposed project is found at the end of this form. The estimates of stormwater runoff quality and quantity are based on area and type of impervious cover. The runoff coefficient of the site for both pre-construction and post-construction conditions is included.

WASTEWATER TO BE GENERATED BY THE PROPOSED PROJECT

24. 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 written approval is provided at the end of this form. 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, or it identifies those areas that are not suitable for the use of private sewage facilities. The system will be designed by a licensed professional engineer or a registered sanitarian and installed by a licensed installer in compliance with 30 TAC §285.

X Sewage Collection System (Sewer Lines):
Wastewater is to be disposed of by conveyance to the Woodcreek Utilities (name) treatment plant for treatment and disposal. The treatment facility is :
_ existing.
X proposed.

_ 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.

FOR PERMANENT ABOVEGROUND STORAGE TANKS (ASTs) > 500 GALLONS
Complete questions 25-31 if this project includes the installation of AST(s) with volume(s) greater than 500 gallons.

25. Tanks and substance stored:

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1			
2			
3			
4			
5			
Total		x 1.5 =	gallons

26. ___ 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 found at the end of this form.

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

Length (L) (Ft.)	Width (W) (Ft.)	Height (H) (Ft.)	L x W x H = (Ft^3) Gallons
Total			

28. ___ 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

29. ___ 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 _____ _____.

30. **ATTACHMENT H - AST Containment Structure Drawings.** A scaled drawing of the containment structure is found at the end of this form 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

31. 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

Items 32 through 43 must be included on the Site Plan.

32. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 100'.

33. 100-year floodplain boundaries

– Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
X 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):
FIRM Panel 48209C0093E Dated 2/18/98.

34. X 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.

35. X A drainage plan showing all paths of drainage from the site to surface streams.

36. X The drainage patterns and approximate slopes anticipated after major grading activities.

37. X Areas of soil disturbance and areas which will not be disturbed.

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

39. X Locations where soil stabilization practices are expected to occur.

40. X Surface waters (including wetlands).

41. _ Locations where stormwater discharges to surface water.
X There will be no discharges to surface water.

42. X Temporary aboveground storage tank facilities.
_ Temporary aboveground storage tank facilities will not be located on this site.

43. _ Permanent aboveground storage tank facilities.
X Permanent aboveground storage tank facilities will not be located on this site.

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

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

45. X 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.

X The TNRCC Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.
_ A technical guidance other than the TNRCC TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is provided below

_____

46. X 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.

47. X 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.

_ This site will be used for low density single-family residential development and has 20% or less impervious cover.
_ This site will be used for low density single-family residential development but has more than 20% impervious cover.
X This site will not be used for low density single-family residential development.

48. X 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.** This 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 found at the end of this form.
- – This site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
- X This site will not be used for multi-family residential developments, schools, or small business sites.

49. **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 provided as **ATTACHMENT J** at the end of this form.
- X If no surface water, groundwater or stormwater originates upgradient from the site and flows across the site, an explanation is provided as **ATTACHMENT J** at the end of this form.
- – If 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, an explanation is provided as **ATTACHMENT J** at the end of this form.

50. **ATTACHMENT K - BMPs for On-site Stormwater.**

- X 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 provided as **ATTACHMENT K** at the end of this form.
- – If 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, an explanation is provided as **ATTACHMENT K** at the end of this form.

51. X **ATTACHMENT L - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams is provided at the end of this form.

52. X **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. All construction plans and design information have been signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed permanent BMPs and measures are provided at the end of this form. Design Calculations, TNRCC Construction Notes, all proposed structural measures, and appropriate details must be shown on the construction plans.

53. X **ATTACHMENT N - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is provided at the end of this form. The plan has been prepared and certified by the engineer designing the permanent BMPs and measures. The plan has been signed by the owner or responsible party. The plan includes procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofits as well as a discussion of record keeping procedures.

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

_ Pilot-scale field testing (including water quality monitoring) may be required for BMPs that are not contained in technical guidance recognized by or prepared by the executive director. __ **ATTACHMENT O - Pilot-Scale Field Testing Plan.** A plan for pilot-scale field testing is provided at the end of this form.

55. X **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 provided at the end of this form. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity which increase erosion that results in water quality degradation.

Responsibility for maintenance of permanent BMPs and measures after construction is complete.

56. X 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.

57. X 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

58. X One (1) original and one (1) copy of the complete application has been provided.

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

60. X 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.

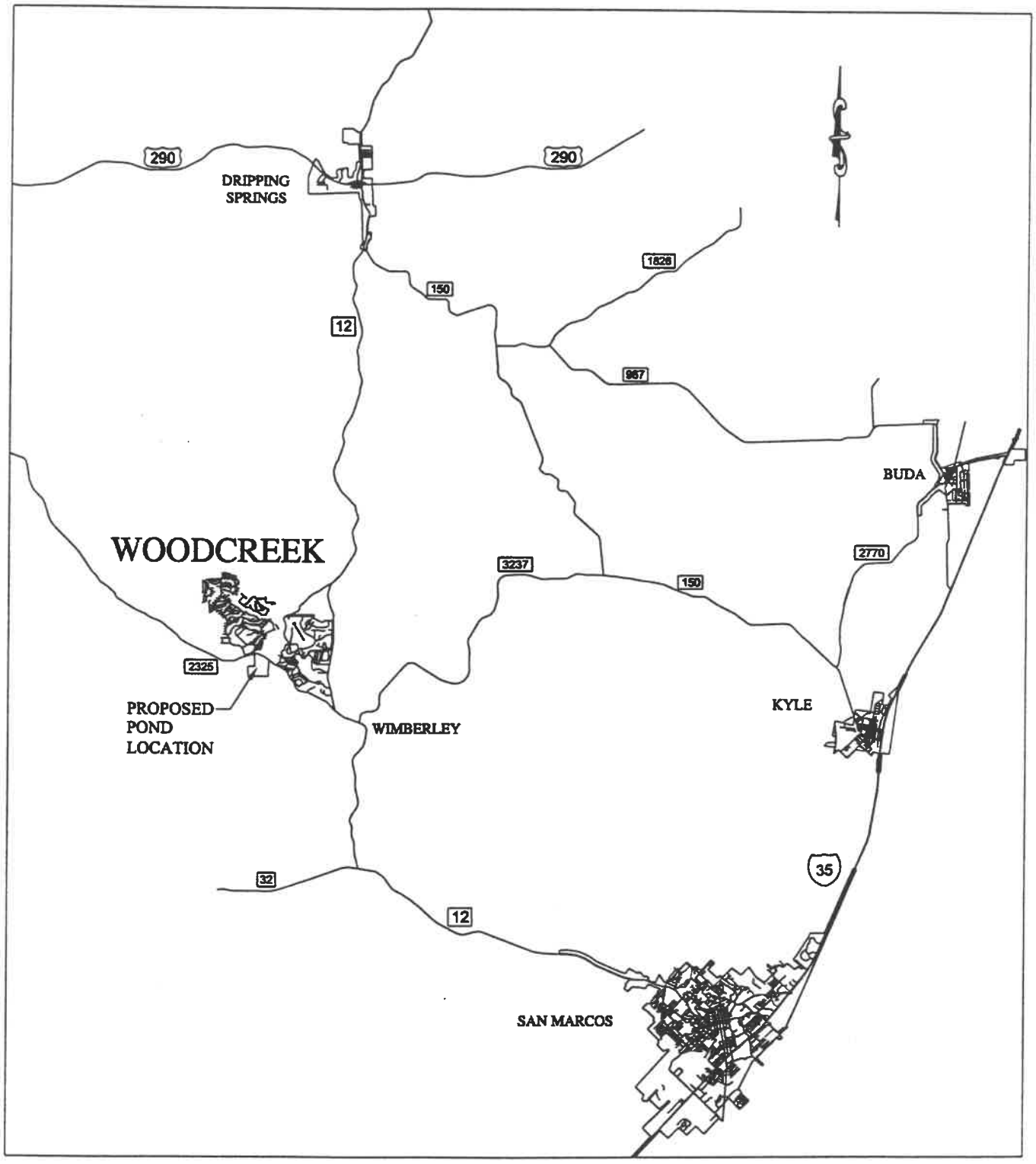
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **CONTRIBUTING ZONE PLAN APPLICATION** is hereby submitted for TNRCC review and Executive Director approval.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

Felix J. Manka, P.E.
Print Name of Applicant/Owner/Agent

Felix J. Manka
Signature of Applicant/Owner/Agent

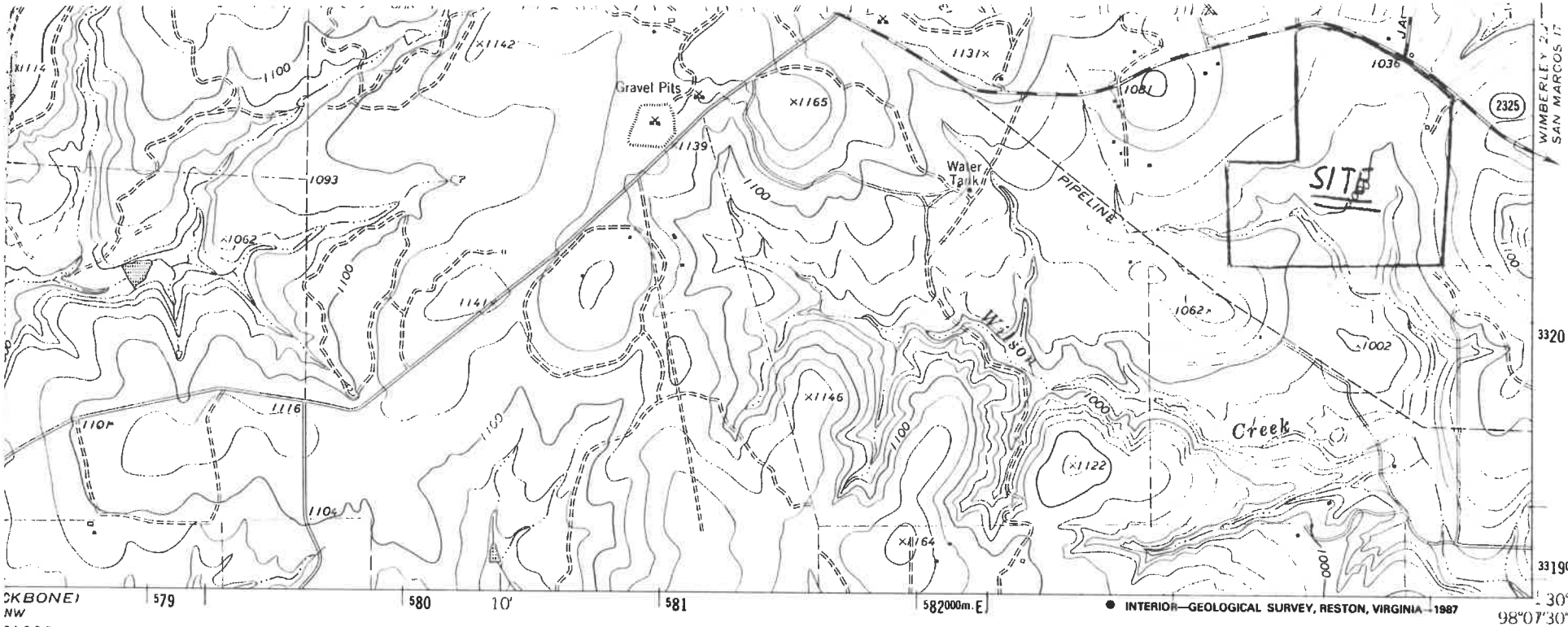
1.13.00
Date

ATTACHMENT A



VICINITY MAP

SCALE: N.T.S.



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1987

24000

1 MILE

4000 5000 6000 7000 FEET

1 KILOMETER

VAL 20 FEET

ICAL DATUM OF 1929

ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt =======

State Route

TEXAS

QUADRANGLE LOCATION

IL MAP ACCURACY STANDARDS

COLORADO 80225, OR RESTON, VIRGINIA 22092

ND SYMBOLS IS AVAILABLE ON REQUEST

3098-112

MILLER BLUEPRINT CO.

P.O. BOX 2065 78768
AUSTIN, TEXAS
1-800-252-3469

501 W. 6TH 78701
PH. #512-478-8793
FAX #512-474-7099

ROUGH HOLLOW, TEX.

30098-A2-TF-024

1963
PHOTOREVISED 1986
DMA 6344 II SW—SERIES V882

ATTACHMENT C – PROJECT NARRATIVE

This project consists of the construction of a Wastewater Treatment Plant and Effluent Holding Pond on approximately 19.14 acres in Hays County along RM 2325, west of Wimberly, Texas. Future phases may consist of expansions to collection, disposal, and/or the treatment facility. Construction of this project is needed to bring the system into compliance with TNRCC Chapter 317 regulations.

Improvements to the site consist of a wastewater effluent pond (approximately 6.3 acres), a 12' wide limestone-base access road (approximately 25,000 sq-ft), pump house (approximately 1,750 sq-ft), wastewater operations building (approximately 450 sq-ft), and wastewater treatment facility (approximately 6,800 sq-ft). Detailed design of the pump house and treatment facility will be done in the near future, however this Contributing Zone Application includes all Best Management Practices (BMPs) for the entire project, including the pump house and treatment facilities. Conservative estimations were made of the amount of impervious cover required by the facilities that have not yet been designed, for design of the BMPs.

The site is located on an approximately 138 acre tract. The attached Erosion Control Sheets show a site area (Limits of Construction) of approximately 19.14 acres, much smaller than the overall tract. The area outside of the Limits of Construction was not considered in performing calculations for Impervious Cover or Stormwater Treatment because areas outside of the Limits of Construction may be developed in the future, independent of this permit.

Impervious Cover was conservatively calculated based on the area of the proposed road, the pump house, and the treatment facilities. Because the pump house and wastewater treatment plant are not yet designed, conservative assumptions of maximum likely sizes for this phase of construction were assumed. The area of the pond was not included in impervious cover calculations, because adequate freeboard exists to prevent the pond from overflowing during a 25 year rainfall event.

Based on the area within the Limits of Construction and the proposed amount of Impervious Cover, Impervious Cover will total approximately 4.12% of the area within the Limits of Construction. Proposed temporary BMPs include rock berms and silt fence, shown on the attached Erosion Control Sheets. Proposed permanent BMPs include drainage swales.

ATTACHMENT D – FACTORS AFFECTING SURFACE WATER QUALITY

Surface water quality can be affected in two ways, during construction, and after construction. Each is considered separately.

During Construction: Normal factors for construction affect surface water quality. They include:

1 Erosion of Disturbed Areas: Soil from areas where vegetation is removed during construction tends to wash away during rainfall. Silt fences will be installed and maintained in this contract to minimize erosion.

2 Spill of hydrocarbons: Fuel and oil leaks from construction equipment can affect surface water quality. All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. All spills will be cleaned immediately upon discovery. Additional spill control practices are listed in the attached SWPPP.

3 Should temporary above ground storage tanks be used during construction, either berms will be constructed to prevent hydrocarbons from leaving the site, or double walled tanks will be used.

After Construction: Factors affecting surface water quality after construction is completed include:

1 Spill of hydrocarbons: During regular maintenance and site checks, the site will have parked vehicles, which can leak. All vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Runoff from the parking areas will drain across grass before reaching a creek or stream.

2 Wastewater effluent leakage: The wastewater lines, pumps, and holding pond have been designed in accordance with TNRCC criteria to help prevent leakage. In addition, inspection of the facility will be performed by operations personnel and any leaks found during the inspections will be repaired.

ATTACHMENT E – VOLUME AND CHARACTER OF STORMWATER

Stormwater Volume: Stormwater volume was calculated using the Rational Method, as described in the City of Austin Drainage Criteria Manual (see attached spreadsheets). Based on these calculations, flows are summarized below.

	C(25)	Q25 (cfs)	C(100)	Q100 (cfs)
Predeveloped	0.42	42.3	0.49	61.2
Postdeveloped	0.45	31.7	0.52	45.4

In performing these calculations, it should be noted that the area of the Effluent Holding Pond was not considered to contribute to the flows in the developed condition, because sufficient freeboard exists to prevent overflow during a 25 year rainfall event. It should also be noted that, since portions of the treatment facility have not yet been designed, maximum likely estimates of impervious cover for those treatment facilities were made, resulting in a conservative estimate of "C".

Stormwater Character: The predeveloped condition is undeveloped land, with pollutants normally associated with range/pastureland. Cattle have not been run on the site in recent years.

For the purpose of this permit application, it is assumed that the postdeveloped land will produce pollutants similar in nature to a residential lot. However, vehicles will be present only for occasional maintenance and inspections, therefore leakage normally associated with vehicles will be less than that associated with residential lots. The drive will be crushed limestone base, and may contribute to the postdeveloped stormwater character.

ATTACHMENT J – BMPs FOR UPGRADIENT STORMWATER

Upgradient stormwater from the tract to the west of the site will be diverted by means of a proposed Roadside Swale and Diversion Berm. Upgradient stormwater from RM 2325 to the north of the tract is diverted by an existing roadside swale, and does not cross the site. Therefore no BMPs for upgradient stormwater are proposed.

ATTACHMENT K – BMPs FOR ONSITE STORMWATER

Onsite stormwater will flow through drainage swales alongside the proposed roadway, and upgradient of the proposed Effluent Holding Pond for treatment. Details of the roadside swale are shown on the road cross section on sheet 10 of the construction plans. Details of the swale upgradient of the proposed Effluent Holding Pond are shown on sheet 4 of the construction plans.

The holding pond will contain a 40 mil plastic liner to prevent leakage to groundwater.

Design of the swales was done using the TNRCC Technical Guidance Manual. Table 1 calculates the increase in TSS load at 568 pounds. An 80% reduction in the increase means that 454 pounds must be removed by the proposed swales.

Table 2 calculates the velocity and depth for the proposed swales. It shows that the water depth in Swale A during a 1" per hour storm will 4.1 inches, with a velocity of 0.38 feet per second. It shows that the water depth in Swale B during a 1" per hour storm will 4.2 inches, with a velocity of 0.48 feet per second. It also shows that the 25 year storm will be conveyed by the proposed swales.

Table 3 calculates the removal rates for the proposed swales. Because the swales are much longer than required for a 9 minute residence time, the swales were considered to work in series. This table shows that 399 pounds of pollutants will be removed by Swale A, and that 176 pounds of pollutants will be removed by Swale B, totaling 575 pounds removed. Since 454 pounds are required to be removed, the proposed swales are more than adequate.

ATTACHMENT L – BMPs FOR SURFACE STREAMS

Based on the TNRCC Technical Guidance Manual, the proposed BMPs for Onsite Stormwater will adequately remove pollutants prior to stormwater leaving the site and reaching surface streams.

ATTACHMENT N

INSPECTION AND MAINTENANCE PLAN
PERMANENT BEST MANAGEMENT PRACTICES

Project Name: Woodcreek Utilities Wastewater Improvements and Effluent Holding Pond

Project Location: Wimberley, Texas

Type of Best Management Practice: Grassy Swales

Proposed Inspection Schedule and Maintenance Requirements (Developed based on Technical Guidance Manual, June 1999):

- Seasonal Mowing and Lawn Care. Lawn mowing will be performed routinely, as needed, throughout the growing season. Grass height will be maintained at approximately 2 inches above the design water depth. Regular mowing will also include weed control practices. Herbicides and pesticides use will be kept to a minimum.

- Swales will be inspected at least twice annually for erosion or damage to vegetation; however, additional inspection after periods of heavy runoff will be performed. The swales will be checked for uniformity of grass cover, debris and litter, and areas of sediment accumulation. Bare spots and areas of erosion identified during semiannual inspections will be replanted and restored to meet original conditions.

- Swales will be kept free of obstructions to reduce floatables being flushed downstream.

- Sediment accumulating will be removed when it builds up to 3 inches at any spot, or covers vegetation. Excess sediment will be removed either by hand, or with a flat-bottomed shovel. If areas are eroded, they will be filled, compacted, and reseeded so that the final grade is level with the bottom of the swale. Sediment removal will be performed periodically, as determined through inspection.

- A healthy dense grass will be maintained in the channel and side slopes. Grass damaged during the sediment removal process will be replaced using the same seed mix used during swale establishment.

ATTACHMENT P – MEASURES FOR MINIMZING SURFACE STREAM CONTAMINATION

The proposed BMPs for Onsite Stormwater are designed to adequately remove pollutants prior to stormwater leaving the site and reaching surface streams, based on the TNRCC Technical Guidance Manual, June, 1999. There is no proposed change to how stormwater will enter surface streams.

The responsible party understands that following any amendment(s) to the previously described inspection schedule and maintenance plan, a signed copy of the revised document will be submitted to the appropriate regional office of Texas Natural Resource Conservation Commission within thirty (30) days for review and approval. Also, if there are any changes in the following information, a revised copy of this document will be submitted to appropriate regional office within 30 days.

Responsible Party: Craig Sherwood, AquaSource Services and Technologies, Inc.

Mailing Address: 5008 Burleson Road

City, State: Austin, Texas 78744

Telephone Number: (512) 326-2393 Fax Number: (512) 326-3589

Craig N. Sherwood
Signature of Responsible Party

1-13-00
Date

Stormwater Pollution Prevention Plan
for

Woodcreek Utilities
Wastewater Treatment Plant
and
Effluent Holding Pond

Prepared for:

AquaSource Services and Technologies, Inc.
5008 Burleson Road
Austin, Texas 78744

Prepared by:

CMA Engineering, Inc.
14101 West Highway 290
Building 600
Austin, Texas 78737
(512) 894-3230

CMA No. 1024-008

January, 2000

Stormwater Pollution Prevention Plan
for

Woodcreek Utilities
Wastewater Treatment Plant
and
Effluent Holding Pond

Prepared for:

AquaSource Services and Technologies, Inc.
5008 Burleson Road
Austin, Texas 78744

CMA No. 1024-008

January, 2000

Woodcreek Effluent Holding Pond
Stormwater Pollution Prevention Plan

1. Site Description

A. Activity Description:	This project consists of the construction of an effluent holding pond, wastewater treatment plant, roadway, and related appurtenances.
B. Major Activities:	Construction will consist of clearing and grubbing, excavation of the effluent pond, excavation and construction of an access road, and construction of a pump house and wastewater treatment plant.
C. Site Area:	Limits of construction encompass approximately 19.14 acres.
D. Runoff Coefficient:	Predeveloped C25 = 0.42, C100 = 0.49 Postdeveloped C25 = 0.45, C100 = 0.52.
E. Location Map:	A vicinity map and site plan are provided in the construction plans, and attached as Attachment A.
F. Additional Discharges:	There are no discharges associated with industrial activity planned.
G. Receiving Waters:	Runoff from the site discharges to Wilson Creek.
H. Permit Requirements:	Required forms are provided at the end of this plan.
I. Endangered Species:	There is no known endangered species habitat affected by this construction. Attached is a copy of a letter from Texas Parks and Wildlife, and a report from Associated Environmental Consultants, Inc. (AEC).
J. Historic Registration:	Proposed discharges should not affect property that may be listed or eligible for listing on the National Register of Historic Places affected by this construction.

2. Options for Controlling Pollutants

A. E & S Control: Both silt fences and rock berms will be installed to prevent offsite sediment movement and to remove sediments before runoff is discharged from the site.

B. Stormwater Management: Pollutants will be removed from stormwater through the use of vegetative swales.

C. Other Controls: Good Housekeeping Measures will ensure the prevention of construction site pollution.
Waste Disposal: All waste materials will be collected in dumpsters meeting state and local waste management requirements. When full, the dumpsters will be emptied and the trash hauled to an approved off-site location. No construction waste will be buried onsite.
Sanitary Waste: Portable units will be placed onsite during construction and waste will be collected and disposed of in accordance with state and local regulations.

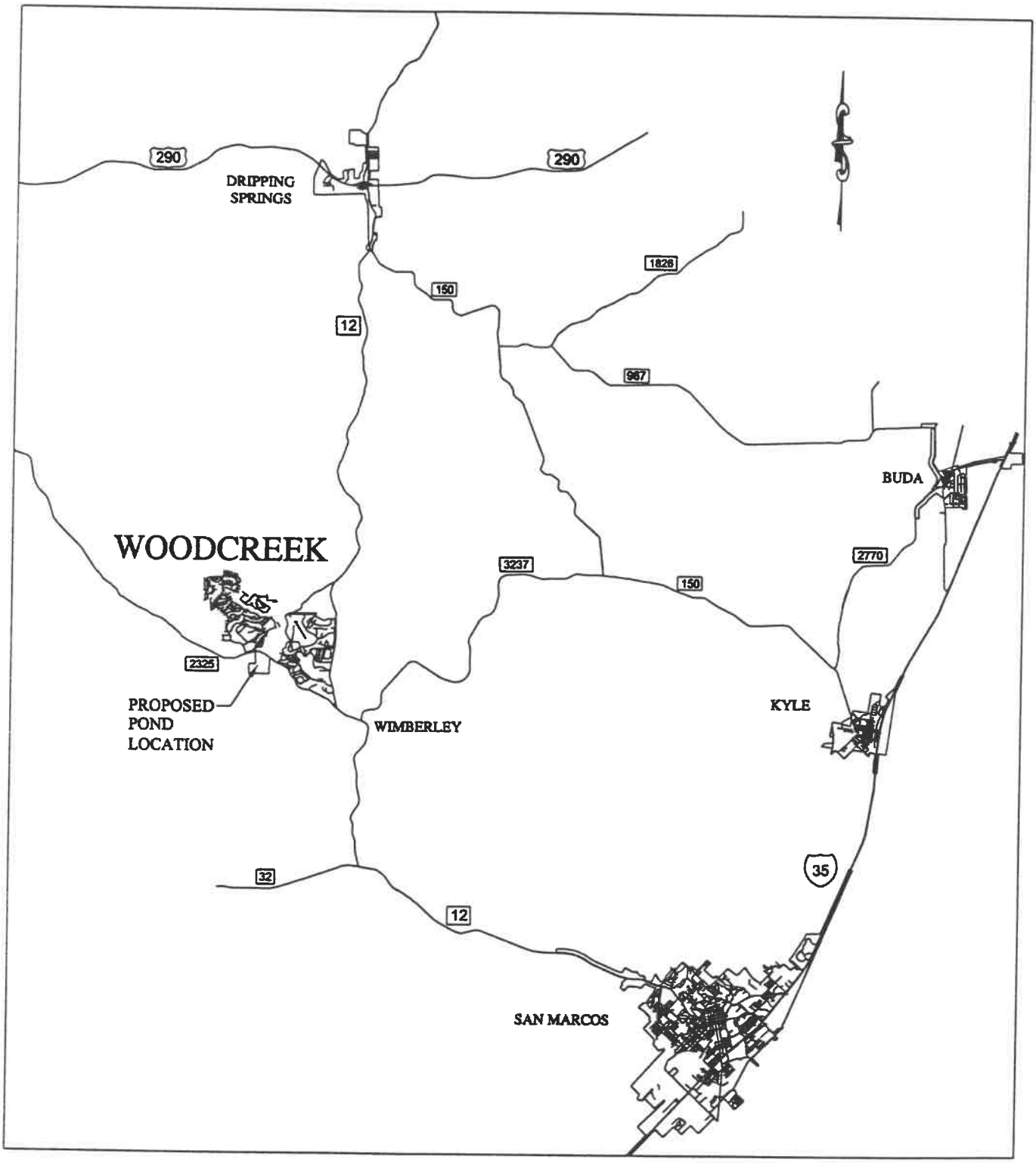
3. Maintenance and Inspections

The contractor will inspect the control measures weekly and within 24 hours after rainfall events of ½ inch or more. Repairs will be made to damaged areas as soon as practicable after damage is discovered, but no later than seven (7) days after the inspections.

4. Non-Stormwater Discharges

Any non-stormwater discharges, such as water from line flushing and uncontaminated groundwater (from dewatering of excavation), will be discharged through temporary erosion control measures. Hazardous waste, if any, will be disposed of in accordance with state and local regulations.

ATTACHMENT A



VICINITY MAP

SCALE: N.T.S.

ATTACHMENT B – NOI FORM

THIS FORM REPLACES PREVIOUS FORM 3510-6 (8-98)
See Reverse for Instructions

Form Approved. OMB No. 2040-0188

NPDES FORM

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notice of Intent (NOI) for Storm Water Discharges Associated with CONSTRUCTION ACTIVITY Under a NPDES General Permit

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form intends to be authorized by a NPDES permit issued for storm water discharges associated with construction activity in the State/Indian Country Land identified in Section II of this form. Submission of this Notice of Intent also constitutes notice that the party identified in Section I of this form meets the eligibility requirements in Part I.B. of the general permit (including those related to protection of endangered species determined through the procedures in Addendum A of the general permit), understands that continued authorization to discharge is contingent on maintaining permit eligibility, and that implementation of the Storm Water Pollution Prevention Plan required under Part IV of the general permit will begin at the time the permittee commences work on the construction project identified in Section II below. IN ORDER TO OBTAIN AUTHORIZATION, ALL INFORMATION REQUESTED MUST BE INCLUDED ON THIS FORM. SEE INSTRUCTIONS ON BACK OF FORM.

I. Owner/Operator (Applicant) Information

Name: AQUA SOURCE SERVICES AND TECH Phone: 512 326 2393

Address: 5008 BURLESON RD Status of Owner/Operator: P

City: AUSTIN State: TX Zip Code: 78744-

II. Project/Site Information

Is the facility located on Indian Country Lands? Yes ☐ No ☑

Project Name: WOODCREEK UTILITIES WASTEWATER

Project Address/Location: RM 2325

City: WIMBERLEY State: TX Zip Code: 78676-

Latitude: 30 01 52 Longitude: 98 06 44 County: HAYS

Has the Storm Water Pollution Prevention Plan (SWPPP) been prepared? Yes ☑ No ☐

Optional: Address of location of SWPPP for viewing ☑ Address in Section I above ☐ Address in Section II above ☐ Other address (if known) below:

SWPPP Address: Phone:

City: State: Zip Code:

Name of Receiving Water: WILLSON CREEK/BLANCO RIVER

Estimated Construction Start Date (Month Day Year) Estimated Completion Date (Month Day Year)

Estimate of area to be disturbed (to nearest acre): 19

Estimate of Likelihood of Discharge (choose only one):

1. ☐ Unlikely
2. ☑ Once per month
3. ☐ Once per week
4. ☐ Once per day
5. ☐ Continual

Based on instruction provided in Addendum A of the permit, are there any listed endangered or threatened species, or designated critical habitat in the project area? Yes ☐ No ☑

I have satisfied permit eligibility with regard to protection of endangered species through the indicated section of Part I.B.3.a.(2) of the permit (check one or more boxes): (a) ☐ (b) ☐ (c) ☐ (d) ☑

III. Certification

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 this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name: Date:

Signature: _____

EPA Form 3510-9 replaced 3510-6 (8-98)

EPA

Instructions – EPA Form 3510-9

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity to be Covered Under a NPDES Permit

Form Approved. OMB No. 2040-0188

Who Must File a Notice of Intent Form

Under the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et.seq.; the Act), except as provided by Part I.B.3 the permit, Federal law prohibits discharges of pollutants in storm water from construction activities without a National Pollutant Discharge Elimination System Permit. Operator(s) of construction sites where 5 or more acres are disturbed, smaller sites that are part of a larger common plan of development or sale where there is a cumulative disturbance of at least 5 acres, or any site designated by the Director, must submit an NOI to obtain coverage under an NPDES Storm Water Construction General Permit. If you have questions about whether you need a permit under the NPDES Storm Water program, or if you need information as to whether a particular program is administered by EPA or a State agency, write to or telephone the Notice of Intent Processing Center at (703) 931-3230.

Where to File NOI Form

NOIs must be sent to the following address:

Storm Water Notice of Intent (4203)
USEPA
401 M. Street, SW
Washington, D.C. 20460

Do not send Storm Water Pollution Prevention Plans (SWPPPs) to the above address. For overnight/express delivery of NOIs, please include the room number 2104 Northeast Mall and phone number (202) 260-9541 in the address.

When to File

This form must be filed at least 48 hours before construction begins.

Completing the Form

OBTAIN AND READ A COPY OF THE APPROPRIATE EPA STORM WATER CONSTRUCTION GENERAL PERMIT FOR YOUR AREA. To complete this form, type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions on this form, call the Notice of Intent Processing Center at (703) 931-3230.

Section I. Facility Owner/Operator (Applicant) Information

Provide the legal name, mailing address, and telephone number of the person, firm, public organization, or any other entity that meet either of the following two criteria: (1) they have operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or (2) they have the day-to-day operational control of those activities at the project necessary to ensure compliance with SWPPP requirements or other permit conditions. Each person that meets either of these criteria must file this form. Do not use a colloquial name. Correspondence for the permit will be sent to this address.

Enter the appropriate letter to indicate the legal status of the owner/operator of the project: F = Federal; S = State; M = Public (other than federal or state); P = Private.

Section II. Project/Site Information

Enter the official or legal name and complete street address, including city, county, state, zip code, and phone number of the project or site. If it lacks a street address, indicate with a general statement the location of the site (e.g., Intersection of State Highways 61 and 34). Complete site information must be provided for permit coverage to be granted.

The applicant must also provide the latitude and longitude of the facility in degrees, minutes, and seconds to the nearest 15 seconds. The latitude and longitude of your facility can be located on USGS quadrangle maps. Quadrangle maps can be obtained by calling 1-800 USA MAPS. Longitude and latitude may also be obtained at the Census Bureau Internet site: http://www.census.gov/cgi-bin/gazetteer.

Latitude and longitude for a facility in decimal form must be converted to degrees, minutes and seconds for proper entry on the NOI form. To convert decimal latitude or longitude to degrees, minutes, and seconds, follow the steps in the following example.

Convert decimal latitude 45.1234567 to degrees, minutes, and seconds.

1) The numbers to the left of the decimal point are degrees.
2) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006. 1234 x .006 = 7.404.
3) The numbers to the left of the decimal point in the result obtained in step 2 are the minutes: 7'.
4) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result in step 2 by 0.06: 404 x 0.06 = 24.24. Since the numbers to the right of the decimal point are not used, the result is 24".
5) The conversion for 45.1234 = 45° 7' 24".

Indicate whether the project is on Indian Country Lands.

Indicate if the Storm Water Pollution Prevention Plan (SWPPP) has been developed. Refer to Part IV of the general permit for information on SWPPPs. To be eligible for coverage, a SWPPP must have been prepared.

Optional: Provide the address and phone number where the SWPPP can be viewed if different from addressee previously given. Check appropriate box.

Enter the name of the closest water body which receives the project's construction storm water discharge.

Enter the estimated construction start and completion dates using four digits for the year (i.e. 05/27/1998).

Enter the estimated area to be disturbed including but not limited to: grubbing, excavation, grading, and utilities and infrastructure installation. Indicate to the nearest acre; if less than 1 acre, enter "1." Note: 1 acre = 43,560 sq. ft.

Indicate your best estimate of the likelihood of storm water discharges from the project. EPA recognizes that actual discharges may differ from this estimate due to unforeseen or chance circumstances.

Indicate if there are any listed endangered or threatened species, or designated critical habitat in the project area.

Indicate which Part of the permit that the applicant is eligible with regard to protection of endangered or threatened species, or designated critical habitat.

Section III. Certification

Federal Statutes provide for severe penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) 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, or (ii) 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;

For a partnership or sole proprietorship: by a general partner of the proprietor, or

For a municipality, state, federal, or other public facility: by either a principal executive or ranking elected official. An unsigned or undated NOI form will not be granted permit coverage.

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 3.7 hours. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, OPPE Regulatory Information Division (2137), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460. Include the OMB control number on any correspondence. Do not send the completed form to this address.

ATTACHMENT C – LETTER FROM TEXAS PARKS AND WILDLIFE

TEXAS
PARKS &
WILDLIFE

COMMISSIONERS

LEE M. BASS
CHAIRMAN, FT. WORTH

RICHARD (DICK) HEATH
VICE-CHAIRMAN, DALLAS

ERNEST ANGELO, JR.
MIDLAND

JOHN AVILA, JR.
FT. WORTH

MICKEY BURLESON
TEMPLE

RAY CLYMER
WICHITA FALLS

CAROL E. DINKINS
HOUSTON

SUSAN HOWARD-CHRANE
BOERNE

NOLAN RYAN
ALVIN

PERRY R. BASS
CHAIRMAN-EMERITUS
FT. WORTH

ANDREW SANSOM
EXECUTIVE DIRECTOR

July 22, 1998

Robert P. Callegari, P.E.
CMA Engineering, Inc.
3998-B Highway 290 East
Dripping Springs, TX 78620

Mr. Callegari:

This letter is in regard to my site visit on July 2, 1998 of your proposed waste water treatment plant on 2325 and Jacobs Well Rd.. During my one day survey of the 140acres I did not find any Golden-cheeked warbler, *Dendroica chrysoparia*, or Black-capped vireo, *Vireo atricapillus*, habitat.

My one day survey was not intended to be a presence absence survey but due to the lack of habitat I due not feel one is necessary. Due to the close procimity to potential Golden-cheeked warbler, *Dendroica chrysoparia*, habitat I would like to suggest that construction be conducted out of the breeding season. The breeding season starts in early March and is over by August 1. This is particularly important regarding the pipeline that runs along the neighboring property.

Thank you for the invitation to review your project. If I may be of further assistance please feel free to call me at (512) 912-7042.

Sincerely,

David Hernandez
Conservation Scientist
Texas Parks and Wildlife

To manage and conserve the natural and cultural resources of Texas for the use and enjoyment of present and future generations.

4200 SMITH SCHOOL ROAD
AUSTIN, TEXAS 78744-3291
512-389-4800
www.tpwd.state.tx.us

CELEBRATING THE 75TH ANNIVERSARY OF TEXAS STATE PARKS IN 1998

ATTACHMENT D – REPORT FROM ASSOCIATED ENVIRONMENTAL CONSULTANTS, INC.

NOTICE OF INTENT FOR STORM WATER DISCHARGES
for Woodcreek Utilities
Contributing Zone Permit Application
(CMA No. 1026-008)

In attempting to comply with the Storm Water Region 6 NPDES General Permit for Storm Water Discharge from Construction Activity, AEC has relied on addressing each of the items listed as part of the permitting process. The tract designated to be under construction is over 5 acres and consists of approximately 140 acres. This rule applies for all sites, whether they fall within or outside a designated Aquifer and Contributing Zone.

The question on the NOI form asks that various boxes be checked off. The first of the listed questions within the box asks if the area has any listed endangered or threatened species, or is it a designated critical habitat in the project area. The second asks if the applicant can satisfy the permits eligibility with regard to protection of endangered species through the indicated sections of Part 1.B.3.e.(2).

- Based on the letter provided by the Texas Parks & Wildlife, it does state that no habitat is present. Therefore, the box should be checked as "No".

- Since the letter from the Texas Park and Wildlife service states that there are no critical habitats, and that a letter has addressed the concerns within another operators request for discharge activities, then box D should also be checked.

The permitting process is asking that a six-step process be covered by the applicants to ensure that a proper certificate can be received. The following answers the six steps to be covered.

- **Step 1. Determine if the Construction Site is found within Designated Critical Habitat for Listed Species.** *The NEPA screen survey that follows this section shows that no species are designated for the area. In addition, the letter from the Park and Wildlife service has stated no species were noted for the date of the survey and the area was not considered part of the critical habitat.*

- **Step 2. Determine if Listed Species are located in the Counties where the Construction Activity will occur.** *According to the Texas Park & Wildlife representative, Mr. David Hernandez, the only listed species or critical habitat with the potential to exist in the general area is the Golden-cheeked warbler (Dendroica Chrysoparia) or the Black-capped vireo (Vireo atricapillus) which were not identified on-site.*

- **Step 3. Determine if any federally Listed Endangered and Threatened Species may be present in the project area.** *There are none listed based on the NEPA Database Survey.*

- **Step 4. Determine if Listed Species or Critical Habitat are likely to be adversely affected by the Construction Activity's Storm Water Discharges or Storm Water Discharge-related Activities.** *A survey completed by the Texas Parks & Wildlife Services had already examined the area for presence of critical habitat. None were listed. The construction will attempt to avoid potential impacts by controlling storm water issues as they occur.*

- **Step 5. Determine if measures can be implemented to avoid any adverse effects.** *Construction activities will be scheduled in an effort to avoid the breeding season of the Golden-cheeked warbler as suggested by the Texas Parks & Wildlife. Additional measures will be implemented to avoid the disturbance of any potential critical habitat in the event that construction activity continues during the breeding season.*

- **Step 6. If a determination has been made that construction activity will affect endangered species, then the applicant must receive clearance from Fish and Wildlife Services and/or the National Marine Fisheries Service to obtain permit coverage.** *This does not apply to the area of concern.*

In addition to the Physical Site Inspection of the subject 140 acre site, AEC conducted a National Environmental Protection Act survey and according to the results, none of the elements were identified.

Special resources under the National Environmental Protection Act consist of a number of features that are to be considered for protection if present on or in the vicinity of the subject site. The following table presents special resources information as it applies to the subject site.

SPECIAL RESOURCES UNDER NEPA

SPECIAL RESOURCE	COMMENTS
National Park Service Lands	None Identified On-site
National Forest Service Lands	None Identified On-site
National Parkways & Scenic Rivers	None Identified On-site
Bureau of Land Mgmt. Wilderness Lands	None Identified On-site
Texas State Parks and Forests	None Identified On-site
U.S. Fish & Wildlife Refuges	None Identified On-site
National Register of Historic Places	None Identified On-site
National Historic Landmarks	None Identified On-site
100 & 500 Year Floodplain Areas	None Identified On-site
National Wetland Inventory Areas	None Identified On-site

Whenever construction exceeds five (5) acres in size, and this can include staged construction when the site will be expanded of added to in the immediate future, that permits be applied for such as the NOI and SWPPP. Currently, this type of construction work still files under a general permit. A detailed and scaled map of the area is needed to show the site, areas to be disturbed and the probable run off pathways and where the nearest natural drainages are located. This could change as the surface topography gets reworked. Updated maps would help should runoff directions change with time. Utilizing the general SWPPP for the site will still entail following the steps outlined for placement of barriers and site controls.

There appears to be no elements present that should impede the progress of the construction other than monitoring work activities and providing the proper documentation to the TNRCC and EPA.

APPENDIX

NEPA Screen Report

vistainfo

NEPA Screen℠

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref#: 991208.316-N2005 Woodcreek FM 2325 @ Jacobs Well Road Hays County, TX 30.018047, -98.130131	Trey Wilson AEC 10767 Corporate Drive, Suite 102 Stafford, TX 77477

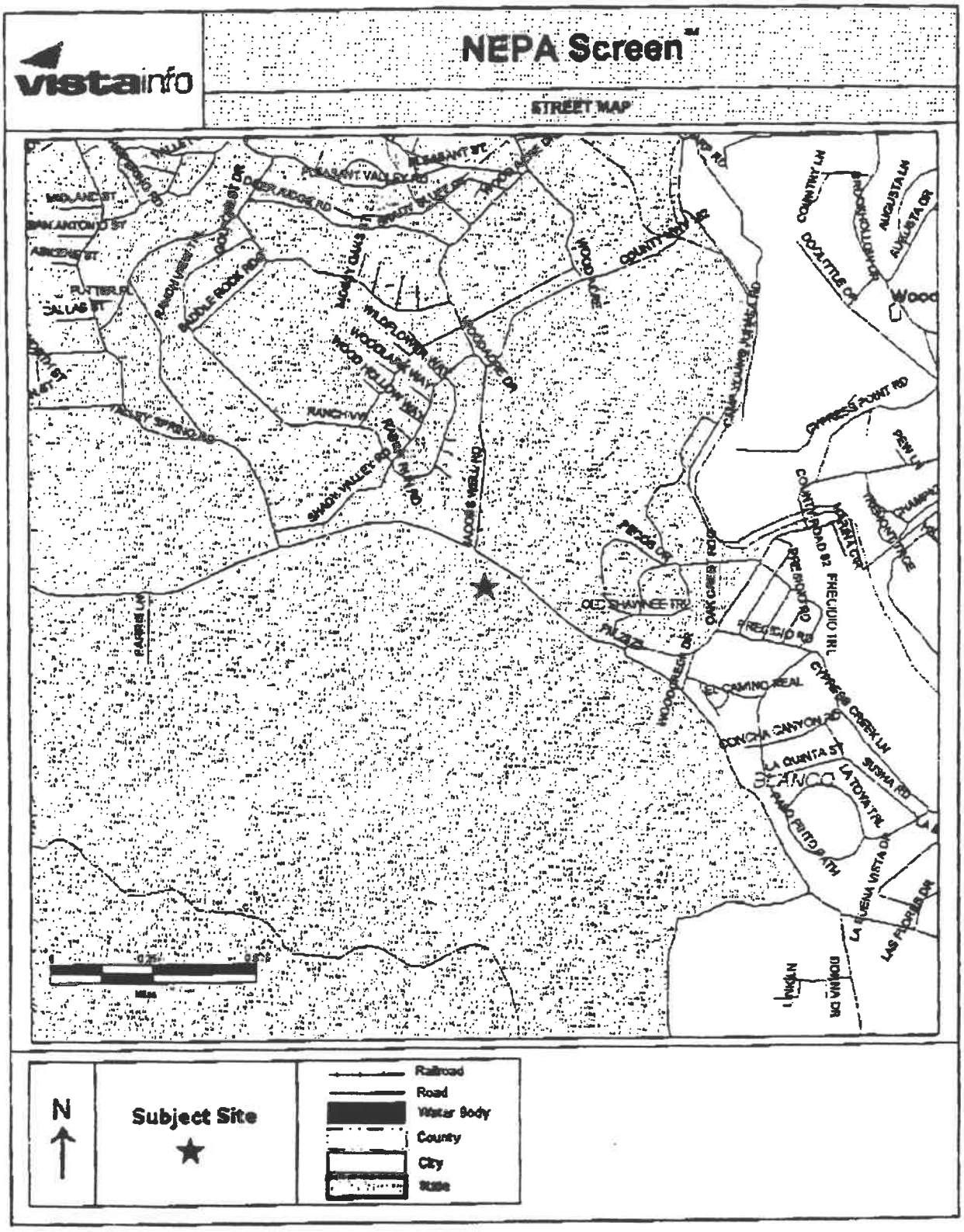
Element Occurrence Summary			Occurrences	
	Layers Selected	Search Radius	Radius	Site
WA	National Park Service Lands	1.00 mile(s)	-	-
WA	National Forest Service Lands	1.00 mile(s)	-	-
WA	National Parkways and Scenic Rivers	1.00 mile(s)	-	-
WA	Bureau of Land Management Wilderness Areas	1.00 mile(s)	-	-
WA	State Parks and Forests	1.00 mile(s)	-	-
WR	US Fish and Wildlife Service National Wildlife Refuges	1.00 mile(s)	-	-
HP	National Register of Historic Places	0.50 mile(s)	-	-
NA	Areas of Native American Significance	1.00 mile(s)	-	-
FP	Floodplain Areas - *Digital data not available, hardcopy maps included*	None	ND	ND
WI	National Wetland Inventory Areas - *Digital data not available, hardcopy maps included*	None	ND	ND

A radius occurrence is where the given subject element is found within the Search Radius of the specified site. A positive site occurrence is where the given subject element is found within 1/8 mile of the specified site.

WA = Wilderness Area; WR = Wildlife Refuge; ES = Threatened and Endangered Species; HP = Historic Place; FP = Floodplain Area; WI = Wetland Inventory Area; NA = Native American Area

ND = Not Digital: Determination of radius and site element occurrences subject to client review of provided hardcopy map(s).

LIMITATION OF LIABILITY
This Checklist provides publicly available data that is compiled to comply in part with NEPA standards. Depending on the project, review of additional state and local resources may be required to fully comply with some NEPA standards. Customer proceeds at its own risk in choosing to rely on VISTA services, in whole or in part, prior to proceeding with any transaction. VISTA cannot be an insurer of the accuracy of the information, errors occurring in conversion of data, or for customer's use of data. VISTA and its affiliated companies, officers, agents, employees and independent contractors cannot be held liable for accuracy, storage, delivery, loss or expense suffered by customer resulting directly or indirectly from any information provided by VISTA.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NEPA Screen™
STREET MAP
Subject Site
N
Railroad
Road
Water Body
County
City
State

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NEPA Screen™

NATIONAL REGISTER OF HISTORIC PLACES - UNMAPPABLE OR RESTRICTED SITES

SITES THAT ARE NOT MAPPED DUE TO RESTRICTED OR INCOMPLETE ADDRESSES
(List is for all counties within search radius)

Reference #	Name	Address	City, State	County
7731	Archeological Site 41HY92			Hays
5777	Archeological Site 41HY75			Hays
5778	Archeological Site 41HY86			Hays

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NEPA Screen™

FLOODPLAIN AREAS - PANEL REFERENCE

Element Information:	Panel Number: No digital FEMA Floodplain data available.
Panel Reference	
County Name:	Hays
FIPS:	48209

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NEPA Screen

NATIONAL WETLAND INVENTORY AREAS - QUAD REFERENCE

Element Information:	Quad Name: Rough Hollow
Quad Reference	
Map Reference Code:	30098-A2
Photo Date:	1/1/83
Status:	FINAL
Scale:	1:24K

Element Information:	Quad Name: Driftwood
Quad Reference	
Map Reference Code:	30098-A1
Photo Date:	2/1/83
Status:	FINAL
Scale:	1:24K

NEPA Screen™

OTHER RELEVANT ITEMS

FEDERAL		
1	Native American Religious Site Information	May be requested from: Dan Deer in Water Anadarko Area Office Bureau of Indian Affairs W.C.D. Office Complex, P.O. Box 368 Anadarko, OK 73005 Phone: (405) 247-6677 Fax: (405) 247-5611
2	Endangered Species Information	May be requested from: Field Supervisor U.S. Fish and Wildlife Service, Ecological Services 10711 Burnet Road Suite 200 Austin, TX 78758-4460 Phone: (512) 490-0057 Fax: (512) 490-0974
STATE		
3	State Historic Preservation Office	May be requested from: State Historic Preservation Officer Texas Historical Commission P.O. Box 12276, Capitol Station Austin, Texas 78711 Phone: (512) 463-6100 E-mail:

NEPA Screen

DESCRIPTION OF ELEMENTS REVIEWED

National Park Service Lands

Source: United States Geological Survey Federal Lands, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4529

This data portrays lands Federally Administered by the National Park Service. This data includes National Historic Landmarks and National Parks. Data was obtained from the USGS and further enhanced by VistaInfo.

National Forest Service Lands

Source: United States Geological Survey Federal Lands, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4528

This data portrays lands Federally Administered by the National Forest Service. Data was obtained from the USGS and further enhanced by VistaInfo.

National Parkways and Scenic Rivers

Source: United States Geological Survey, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4528

This map layer portrays the locations of federally administered parkways and wild and scenic rivers. Data was obtained from the USGS and further enhanced by VistaInfo.

Bureau of Land Management Wilderness Areas

Source: United States Geological Survey, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4528

This map layer portrays the locations of federally administered Bureau of Land Management Wilderness Areas. Data was obtained from the USGS and further enhanced by VistaInfo.

National Wildlife Refuges

Source: United States Fish and Wildlife Service
Division of Realty
1340 C St. NW
Washington, DC 20240-0001
(703) 358-2414

This map layer portrays the locations of National Wildlife Refuges as administered by the United States Fish and Wildlife Service. This database was obtained from the USF&WS and each site was mapped using existing government GIS data and external map resources.

State Wilderness Areas

Source: VistaInfo, Inc.
GIS Research Center
67 North Main Street
Essex, CT 06426
(860) 767-7515

This map layer is a representation of state level data that has been incorporated into a nationwide GIS database for the purpose of research and assessment. The data includes, but is not limited to, the locations of known Parks, Forests, Conservation Areas, Gamelands, Wildlife Preserves, Protected Lands, Recreation Areas, Trust Lands, and Wilderness Areas. The specific source for each occurrence is reported within each identified occurrences attribute data. No federal wilderness areas are represented within this database.

Areas of Native American Significance

Source: VistaInfo, Inc.
GIS Research Center
67 North Main Street
Essex, CT 06426
(860) 767 3515

This map layer is a representation of the various Native American Owned Lands, Reservations and other areas of significance known to Vista. The specific source for each occurrence is reported within each identified occurrences attribute data. This data layer is not meant to comply with NEPA regulations - it is meant to serve as a preliminary screening tool only. Official State and Federal Native American Offices should always be consulted.

National Register of Historic Places

Source: National Park Service, National Register Information System (NRIS)
P.O. Box 37127
Washington, DC 20013-7127
(202) 343-9543

The National Register of Historic Places is the official list of districts, sites, buildings, structures, and objects significant in American History, architecture, archeology, engineering, and culture. National Register properties have significance in the prehistory or history of their community, state, or nation. The NRIS is a database of over 68,000 historic sites listed on, removed from, or pending listing in the National Register. VistaInfo has thoroughly researched and plotted the historic sites listed within the National Register, including sites with restricted locations.

Floodplain Areas

Source: Federal Emergency Management Agency, National Flood Insurance Program FIRM and Q3 Flood Data
Federal Emergency Management Agency
500 C Street, S W.
Washington, DC 20472
(800) 358-9616

Floodplain data, as defined by the Federal Emergency Management Agency, have been obtained as both paper maps (FIRMs) and Q3 (digital data) maps showing 100 and 500 year floodplains. There have been over 80,000 FIRM maps published by FEMA with over 800 counties currently represented as Q3 digital data.

National Wetland Inventory Areas

Source: United States Fish and Wildlife Service - National Wetland Inventory
USGS/EROS National Headquarters
507 National Center
Reston, VA 22092
(800) 872-6277

National Wetland Inventory (NWI) 1:24k and 1:25k quadrangle maps and digital data represent wetland locations and classification as defined by the US Fish and Wildlife Service.

AGENT AUTHORIZATION FORM
FOR REQUIRED SIGNATURE
EDWARDS AQUIFER PROTECTION PROGRAM
RELATING TO 30 TAC CHAPTER 213
EFFECTIVE JUNE 1, 1999

I, CRAIG W. SHERWOOD,
Print Name

AREA MANAGER
Title - Owner/President/Other

of AquaSource Services and Technologies, Inc.
Corporation/Partnership/Entity Name

have authorized Felix J. Manka, P.E.
Print Name of Agent/Engineer

of CMA Engineering, Inc.
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 Natural Resource Conservation Commission (TNRCC) 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 TNRCC's approval letter. The TNRCC is authorized to assess administrative penalties of up to $10,000 per day per violation.

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

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

4. For applicants who are not the property owner, but who have the right to control and possess and control the property, additional authorization is required from the owner.

Craig W. Sherwood
Applicant's Signature

1-13-00
Date

THE STATE OF TEXAS §

County of TRAVIS §

BEFORE ME, the undersigned authority, on this day personally appeared CRAIG W. SHERWOOD 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 13 day of JANUARY, 2000

Troyanne Bush
NOTARY PUBLIC

TROYANNE BUSH
Typed or Printed Name of Notary

TROYANNE BUSH
MY COMMISSION EXPIRES
April 8, 2003

MY COMMISSION EXPIRES: 4/8/2003

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
EDWARDS AQUIFER PROTECTION PROGRAM
CONTRIBUTING ZONE FEE APPLICATION FORM

NAME OF PROPOSED PROJECT: Woodcreek Utilities Wastewater Improvements and Effluent Holding Pond
PROJECT LOCATION: RM 2325
NAME OF APPLICANT: AquaSource Service and Technodogies, Inc.
APPLICANT'S ADDRESS: 5008 Burleson Rd. Austin, TX 78744
CONTACT PERSON: Jeffrey Reed PHONE: (512) 894-3230
Please Print

AUSTIN REGIONAL OFFICE (3373)
- ☑ Hays
- ☐ Travis
- ☐ Williamson

SAN ANTONIO REGIONAL OFFICE (3362)
- ☐ Bexar
- ☐ Comal
- ☐ Kinney
- ☐ Medina
- ☐ Uvalde

APPLICATION FEES MUST BE PAID BY CHECK, CERTIFIED CHECK, OR MONEY ORDER, PAYABLE TO THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION. YOUR CANCELED CHECK WILL SERVE AS YOUR RECEIPT. **THIS FORM MUST BE SUBMITTED WITH YOUR FEE PAYMENT. THIS PAYMENT IS BEING SUBMITTED TO (CHECK ONE):**

☐ **SAN ANTONIO REGIONAL OFFICE**

☐ **Mailed to TNRCC:**
TNRCC - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☑ **AUSTIN REGIONAL OFFICE**

☐ **Overnight Delivery to TNRCC:**
TNRCC - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
512/239-0347

Check one:

☑ **Contributing Zone Plan - Fee Due $250**

☐ **Modification of a Previously Approved Contributing Zone Plan - Fee Due $250**

☐ **Extension of Time Request - Fee Due $100**

Felix J. Maniza
Signature

01.13.00
Date

TNRCC-10258 (6/1/99)

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
AUSTIN, TEXAS

RECEIPT NO. 95- 4718

DATE 1/14/00

AMOUNT $ 250.00

PAYMENT TYPE Check # 2542

RECEIVED FROM CMA Engineering Inc.
FOR AQUASOURCE

PAYMENT FOR Woodcreek Utilities Wastewater Treatment
Plant & Effluent Holding Pond

RECEIVED BY JEB

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
AUSTIN, TEXAS

RECEIPT NO. 95- 4718

DATE 1/14/00

AMOUNT $ 250.00

PAYMENT TYPE Check # 2542

RECEIVED FROM CMA Engineering Inc.
FOR AQUASOURCE

PAYMENT FOR Woodcreek Utilities Wastewater Treatment
Plant & Effluent Holding Pond

RECEIVED BY JEB

ATTACHMENT B: Narrative of Proposed Modification

ATTACHMENT B – PROJECT NARRATIVE

This project consists of the construction of a Wastewater Treatment Plant and Effluent Holding Pond on 23.57 acres in Hays County along RM 2325, west of Wimberley, Texas. Construction of this project is needed to bring the system into compliance with TAC Chapter 217 regulations and TCEQ standards for being in the Edwards Aquifer Contributing Zone and to increase the plant's capacity from 250,000 GPD to 375,000 GPD.

In the approved CZP application from 2000, the site was on a 138-acre tract, but the limits of construction were only 19.14 acres of that tract. This is described in detail in the Project Narrative of the approved application which is Attachment A of Form TCEQ-20705 included in this application. A portion of the original 138-acre tract was sold off, leaving only a 23.57-acre site that Aqua Texas, Inc. owns.

Improvements to the site consist of a new effluent pond (approximately 4.03 acres) and a new wastewater treatment plant, including an operations building, four aeration basins (two of which to be built in a future phase), four digester basins (two of which to be built in a future phase), two clarifiers (one of which to be built in a future phase), influent lift station, chlorine contact chamber, effluent sampling and flow measuring box, a sludge dewatering building, generator pad, and a filter building. This Contributing Zone Application includes all Best Management Practices (BMPs) for the entire project, including the future aeration basin, clarifier, and sludge building. The existing 12' wide limestone-base access road and the existing effluent holding pond will remain undisturbed.

Phase 1A consists of constructing a lift station, a gravity line attached to the lift station, and a force main from the lift station to the existing WWTP. This force main will be removed during Phase 1B when the future treated effluent holding pond is constructed. Phase 1A was approved as a Site Plan Update on July 12, 2024. See approval email from Miki Chilarescu and Site Plan Update attached. The added impervious cover from Phase 1A (288 square feet) is included in this CZP Modification. Phase 1B consists of all facilities listed above that are not a part of Phase 1A and are not future facilities (Phase 2) and the demolition of the existing wastewater treatment plant.

There are 43.84 acres of offsite area draining to the site, including 10.36 acres of impervious cover. The onsite areas of impervious cover are being treated by vegetative filter strips and the two sedimentation and filtration ponds. These BMPs are not sized to treat any upgradient stormwater because it is a different property owner. More detail on the upgradient stormwater is in Attachment J included in this application. Temporary vegetative filter strips will be added to the existing wastewater treatment plant to treat that impervious cover before being demolished with the plant in Phase 1B.

Maggie Savage

From: Miki Chilarescu <miki.chilarescu@tceq.texas.gov>
Sent: Friday, July 12, 2024 11:13 AM
To: Weaver, Jake Lee
Cc: Lauren Barzilla; Maggie Savage; Robby Callegari
Subject: RE: TCEQ CZP Question

Dear Mr. Weaver,

We are in the receipt of your submittal of the Site Plan Update (SPU) request and supporting documents for the Woodcreek Utilities WWTP located in the Contributing Zone, south of RM 2325, 2.5 miles west of Wimberley - EAPP ID No. 11-000110402 - RN102724176**.**

The original Contributing Zone Plan (CZP) approved on January 27, 2000 included the construction of WWTP facilities on a 19.14 acres site. The SPU proposes adding a total of 288 S.F. of impervious cover for the interim Phase 1A lift station. In accordance with 30 TAC 213.24 (11)(A)(i), the underground utilities in CZ are exempt from the CZP requirements. A Modification of the 2000 CZP will be required for the more extended improvements in future Phases 1B and 2.

Thank you for your submittal. We will update our file and database accordingly. Please retain this email for your records.
Sincerely,

Miki Chilarescu, P.E.
Texas Commission on Environmental Quality
Edwards Aquifer Protection Program
512-239-6175

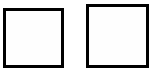
From: Maggie Savage <Maggie.Savage@burgessniple.com>
Sent: Tuesday, July 9, 2024 4:55 PM
To: Miki Chilarescu <miki.chilarescu@tceq.texas.gov>
Cc: Lauren Barzilla <Lauren.Barzilla@burgessniple.com>; Robby Callegari <robby.callegari@burgessniple.com>; Weaver, Jake Lee <JLWeaver@aquaamerica.com>
Subject: RE: TCEQ CZP Question

Miki,
Please see the signed and sealed Site Plan Update attached. Thank you for your help with this!

Thanks,

Maggie Savage, E.I.T.
Water/Wastewater Engineer, South Austin Office

Burgess & Niple, Inc.
(512) 432-1000 (office)
214-232-9533 (cell)
burgessniple.com



BURGESS & NIPLE

Firm Registration No. F-10834

235 Ledge Stone Drive | Austin, TX 78737 | 512.432.1000

July 8, 2024

Miki Chilarescu, PE
TCEQ Edwards Aquifer Protection Program
512-239-6175

RE: Contributing Zone Site Plan Update
Woodcreek WWTP Expansion
B&N No. 60133

Dear Miki:

This letter is submitted on behalf of Aqua Texas in support of the attached Site Plan Update exhibit showing the existing conditions and proposed phasing for the Woodcreek Wastewater Treatment Plant Expansion project.

The existing site consists of WWTP facilities including a blower building, aeration basin, and clarifier. The site also has a treated effluent pump building, two sheds, an operations building, and a reclaimed water holding pond. The WWTP's current capacity is 250,000 GPD.

There are two main phases and two subphases for the expansion: Phases 1A, 1B, and 2. This Site Plan Update covers Phase 1A, as a CZP Modification will be necessary for Phase 1B and 2. The improvements constructed in Phase 1A are a lift station, a gravity line attached to the lift station, and a force main from the lift station to the existing WWTP. This force main will be removed during Phase 1B when the future water holding pond is installed. A CZP Modification is not required for this phase according to 30 TAC 213.24.11.A for the mains and due to the small amount of impervious cover (288 square feet) added to the site from the lift station. This 288 square feet of impervious cover in Phase 1A will be included in the CZP Modification for Phase 1B.

All improvements in Phases 1B and 2 will require a separate CZP Modification at a later date. After Phase 2 is completed, the plant will be rated at 375,000 GPD, the existing Final Permit Phase.

If you have any questions or require additional information, please call me at (512) 432-1000.

Thanks,

Lauren Barzilla, P.E.
Senior Project Manager

1 – Site Plan Update Exhibit for Woodcreek WWTP Expansion Phase 1A

CC: Jake Weaver, Aqua Texas, Inc.

PLOTTED: 7/9/2024 3:26:27 PM

P:\PR60133\Cadd\exhibits\EXHIBIT - SITE PLAN UPDATE.dwg 7/9/2024 3:05:26 PM Darren McFatter

N

60 0 60 120

MATCHLINE SEE THIS SHEET

POINT OF BEGINNING
GRID COORDINATES:
N= 13919583.17
E= 2242365.04

CALLED 10.000 ACRES
DOC. NO. 16029636
O.P.R.H.C.T.

(N00°44'07"W 352.26')
352.26'

AQUA TEXAS, INC
CALLED 72.19 ACRES
VOLUME 2687, PAGE 67
O.P.R.H.C.T.

(N00°46'W 1710.49')
N01°44'40"W 1710.07'

CALLED 115.012 ACRES
VOLUME 4516, PAGE 84
O.P.R.H.C.T.

S01°44'39"E 1082.46'
(N00°49'32"W 730.12')

MATCHLINE SEE THIS SHEET

(S89°41'15"W 757.35')
N88°46'44"E 757.41'

TEMPORARY FORCE
MAIN PHASE 1A

PROPOSED LIFT
STATION PHASE 1A

PROPOSED GRAVITY
LINE PHASE 1A

857.05'
(S01°41'46"E 856.91')

LOT 1, BLOCK A,
THE FIELDS AT WIMBERLEY SPRINGS
DOC. NO. 17016540
O.P.R.H.C.T.

EXISTING ROAD AND BUILDING
TO BE DEMOLISHED PHASE 1B

AQUA TEXAS, INC
23.576 ACRE
TRACT REMAINDER
OF CALLED 148.52
ACRES VOLUME
2087, PAGE 820
D.R.H.C.T.

N87°50'45"E
95.25'

(S00°48'07"W 484.20')
N01°42'14"W 484.09'

S88°45'19"W 912.69'
(N89°13'05"E 912.46')

N01°43'36"E 1120.47'
(N01°46'E 1120.58')

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT PLANT EXPANSION

SITE PLAN UPDATE
EXHIBIT

NO.	DESCRIPTION	DATE
	REVISIONS	

JOB NO:	PR60133
DATE:	2/23/2024
DESIGNED BY:	B&N
DRAWN BY:	B&N
CHECKED BY:	RPC
APPROVED BY:	RPC
SCALE:	AS NOTED

STATE OF TEXAS
ROBERT P. CALLEGARI
68913
REGISTERED
PROFESSIONAL ENGINEER
7-9-2024

1

ATTACHMENT C: Current Site Plan of the Approved Project

PLOTTED: 12/19/2024 4:16:31 PM

N
0
200'
400'
A
B
B
1 1/2"W
1 1/2"W
8"W
8"W
24"SD
24"SD
TE
TE
TE

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: Gautam Patwardhan, PhD, P.E.

Date: February 03, 2025

Signature of Customer/Agent:

Regulated Entity Name: RN102956448

Project Information

1. County: Hays County
2. Stream Basin: Lower Blanco River
3. Groundwater Conservation District (if applicable): Hays County GCD
4. Customer (Applicant):

   Contact Person: Gautam Patwardhan, PhD, P.E.
   Entity: Aqua Texas, Inc.
   Mailing Address: 762 W. Lancaster Avenue
   City, State: Bryn Mawr, PA Zip: 19010

   Telephone: 610-645-1024

Fax: _____
Email Address: GPatwardhan@aquaamerica.com

5. Agent/Representative (If any):

Contact Person: Lauren Barzilla, P.E.
Entity: Burgess & Niple, Inc.
Mailing Address: 235 Ledge Stone Dr.
City, State: Austin, TX Zip: 78737

Telephone: 512-432-1000 Fax: _____

Email Address: lauren.barzilla@burgessniple.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.

Approx. 1200 ft. S-SE of the intx. of FM 2325 and Jacob's Well Rd., approx. 4 mi. N of the community of Wimberley in Hays County

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: Existing Wastewater Treatment Plant

12. The type of project is:

☐ Residential: # of Lots: _____
☐ Residential: # of Living Unit Equivalents: _____
☐ Commercial
☐ Industrial
☒ Other: Wastewater Treatment Plant

13. Total project area (size of site): 23.57 Acres

Total disturbed area: 16.31 Acres

14. Estimated projected population: N/A

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	8699.90	÷ 43,560 =	0.20
Parking	595.80	÷ 43,560 =	0.01
Other paved surfaces	112346.24	÷ 43,560 =	2.58
Total Impervious Cover	121641.49	÷ 43,560 =	2.97

Total Impervious Cover 2.97 **÷ Total Acreage** 23.57 **X 100 =** 12.60**% Impervious Cover**

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

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

For Road Projects Only

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

☒ N/A

18. Type of project:

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

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

☐ Concrete
☐ Asphaltic concrete pavement
☐ Other: _____

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

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

21. Pavement Area:

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

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

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

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

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

☒ N/A

26. Wastewater will be disposed of by:

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

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

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

☐ Sewage Collection System (Sewer Lines):

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

☐ Existing.
☐ Proposed.

☒ N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

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

☒N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

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

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

Total x 1.5 = _____ Gallons

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

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

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

Table 3 - Secondary Containment

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

Total: _____ Gallons

30. Piping:

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

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

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

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

☐ Dispenser clearly labeled

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

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

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

Site Plan Requirements

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

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

    Site Plan Scale: 1" = 200'.

35. 100-year floodplain boundaries:

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

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

    The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA.gov, eff 9/2/2005.

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

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

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

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

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

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

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

42. ☒ Surface waters (including wetlands).

    ☐ N/A

43. ☒ Locations where stormwater discharges to surface water.

    ☐ There will be no discharges to surface water.

44. ☐ Temporary aboveground storage tank facilities.

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

45. ☐ Permanent aboveground storage tank facilities.

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

46. ☒ Legal boundaries of the site are shown.

Permanent Best Management Practices (BMPs)

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

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

    ☐ N/A

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

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

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

    ☐ N/A

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

    ☐ N/A

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

☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.
☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.
☒ The site will not be used for low density single-family residential development.

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

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

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

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

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

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

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

☐ N/A

55. ☒ **Attachment M - Construction Plans**. Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

☐ N/A

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

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

☐ N/A

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

☒ N/A

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

☐ N/A

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

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

responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.

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

Administrative Information

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

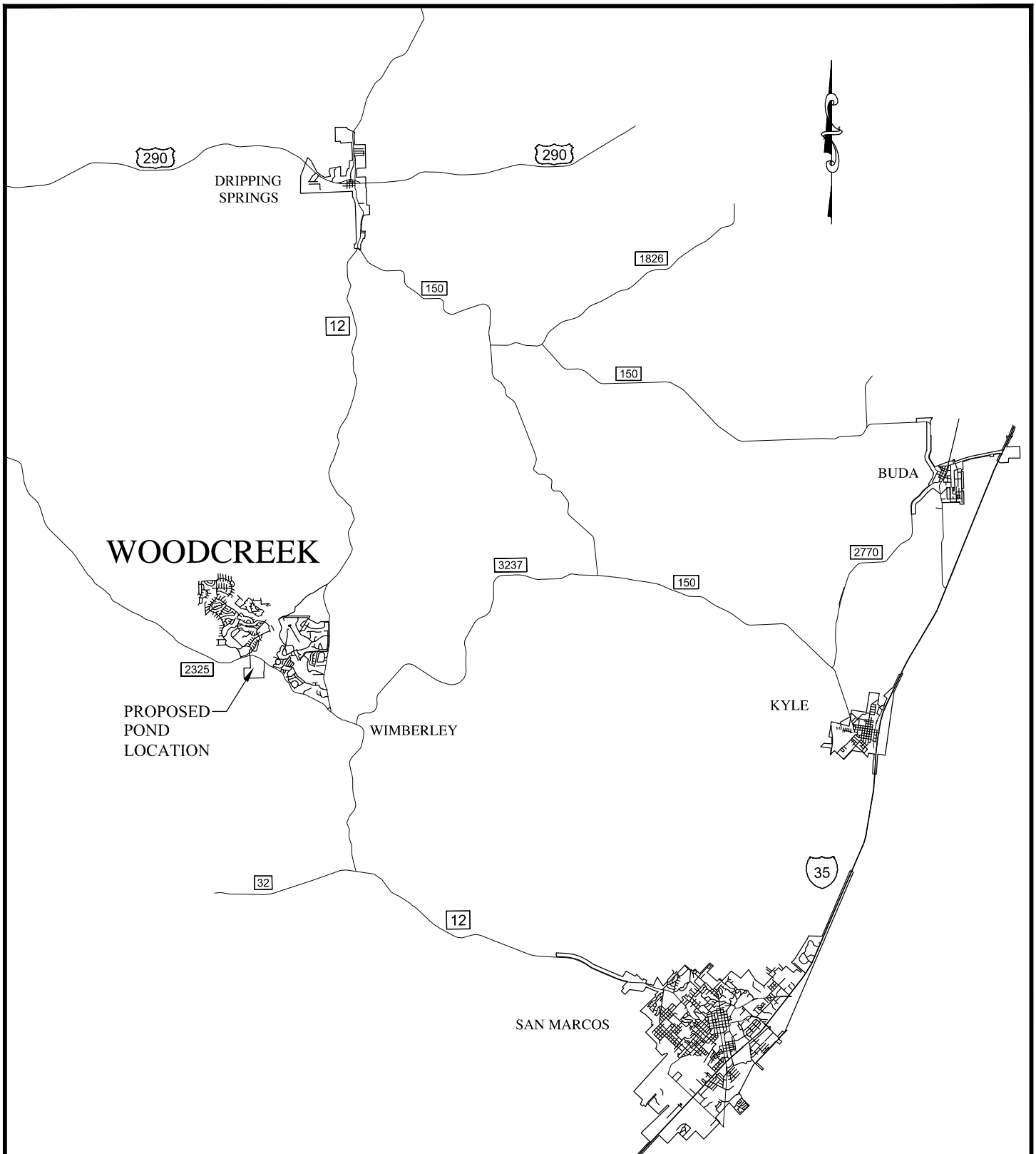
62. ☒ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.

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

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

ATTACHMENT A: Road Map

PLOTTED: 10/3/2024 8:47:24 AM



VICINITY MAP

SCALE: N.T.S.

ATTACHMENT A - ROAD MAP

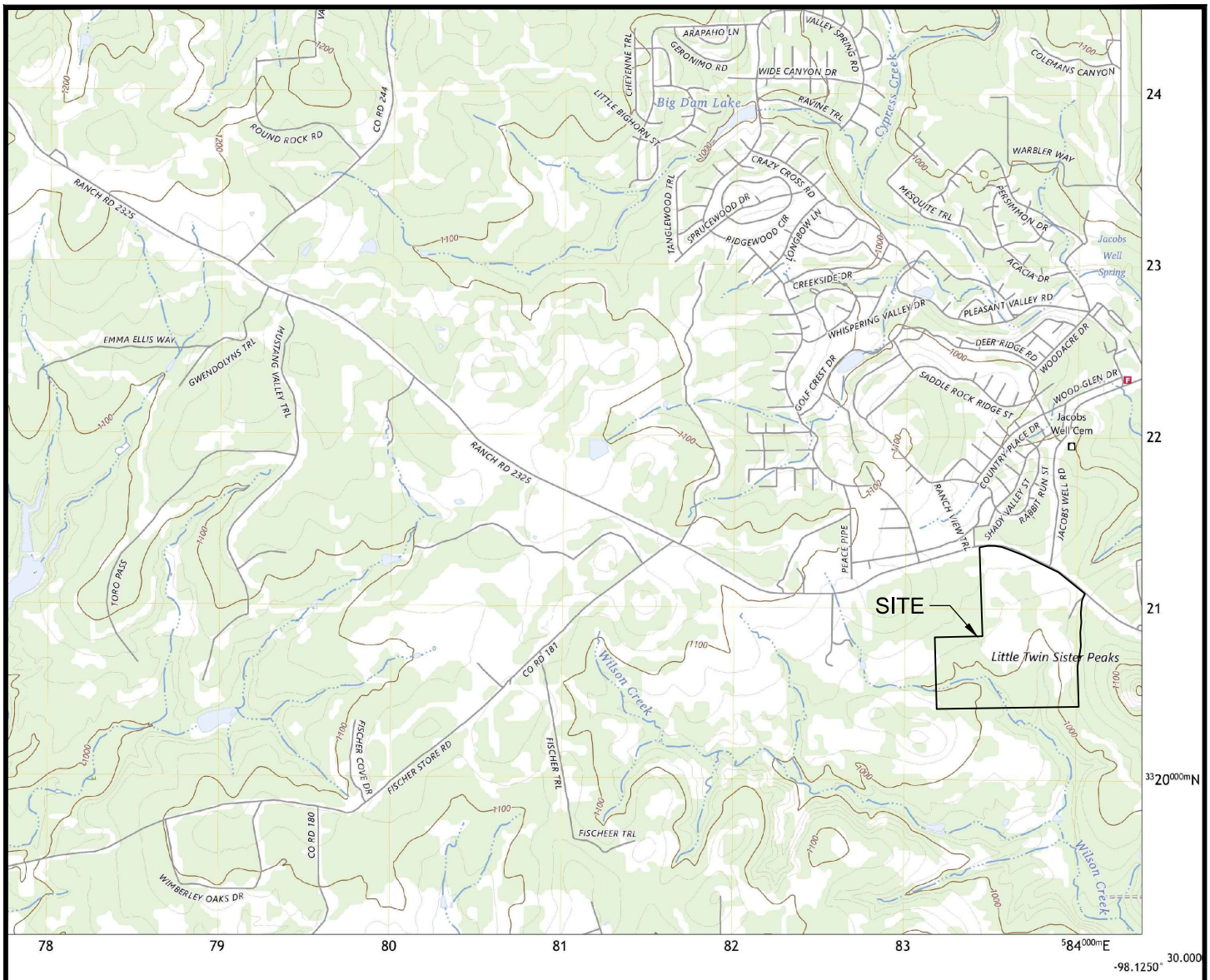
BURGESS & NIPLE INC.

235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

P:\PR601333\CZP Modification\ATTACHMENT EXHIBITS\ATTACHMENT A.dwg 10/3/2024 8:18:31 AM Casey Clark

ATTACHMENT B: USGS Quadrangle Map

PLOTTED: 10/3/2024 8:48:34 AM



SCALE 1:24 000

0 KILOMETERS 1 2
0 METERS 1000 2000
0 1
MILES
3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
al Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Yeager Creek
2 Henly
3 Dripping Springs
4 Payton
5 Driftwood
6 Fischer
7 Devils Backbone
8 Wimberley

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

ROUGH HOLLOW, TX
2023

ATTACHMENT B - USGS QUADRANGLE MAP

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

P:\PR601333\CZP Modification\ATTACHMENT EXHIBITS\ATTACHMENT B.dwg 10/3/2024 8:44:37 AM Casey Clark

ATTACHMENT C: Project Narrative

ATTACHMENT B – PROJECT NARRATIVE

This project consists of the construction of a Wastewater Treatment Plant and Effluent Holding Pond on 23.57 acres in Hays County along RM 2325, west of Wimberley, Texas. Construction of this project is needed to bring the system into compliance with TAC Chapter 217 regulations and TCEQ standards for being in the Edwards Aquifer Contributing Zone and to increase the plant's capacity from 250,000 GPD to 375,000 GPD.

In the approved CZP application from 2000, the site was on a 138-acre tract, but the limits of construction were only 19.14 acres of that tract. This is described in detail in the Project Narrative of the approved application which is Attachment A of Form TCEQ-20705 included in this application. A portion of the original 138-acre tract was sold off, leaving only a 23.57-acre site that Aqua Texas, Inc. owns.

Improvements to the site consist of a new effluent pond (approximately 4.03 acres) and a new wastewater treatment plant, including an operations building, four aeration basins (two of which to be built in a future phase), four digester basins (two of which to be built in a future phase), two clarifiers (one of which to be built in a future phase), influent lift station, chlorine contact chamber, effluent sampling and flow measuring box, a sludge dewatering building, generator pad, and a filter building. This Contributing Zone Application includes all Best Management Practices (BMPs) for the entire project, including the future aeration basin, clarifier, and sludge building. The existing 12' wide limestone-base access road and the existing effluent holding pond will remain undisturbed.

Phase 1A consists of constructing a lift station, a gravity line attached to the lift station, and a force main from the lift station to the existing WWTP. This force main will be removed during Phase 1B when the future treated effluent holding pond is constructed. Phase 1A was approved as a Site Plan Update on July 12, 2024. See approval email from Miki Chilarescu and Site Plan Update attached. The added impervious cover from Phase 1A (288 square feet) is included in this CZP Modification. Phase 1B consists of all facilities listed above that are not a part of Phase 1A and are not future facilities (Phase 2) and the demolition of the existing wastewater treatment plant.

There are 43.84 acres of offsite area draining to the site, including 10.36 acres of impervious cover. The onsite areas of impervious cover are being treated by vegetative filter strips and the two sedimentation and filtration ponds. These BMPs are not sized to treat any upgradient stormwater because it is a different property owner. More detail on the upgradient stormwater is in Attachment J included in this application. Temporary vegetative filter strips will be added to the existing wastewater treatment plant to treat that impervious cover before being demolished with the plant in Phase 1B.

ATTACHMENT D: Factors Affecting Surface Water Quality

ATTACHMENT D – FACTORS AFFECTING SURFACE WATER QUALITY

Surface water quality can be affected in two ways, during construction, and after construction. Each is considered separately.

During Construction: Normal factors for construction affect surface water quality. They include:

1. Erosion of Disturbed Areas: Soil from areas where vegetation is removed during construction tends to wash away during rainfall. Silt fences will be installed and maintained in this contract to minimize erosion.
2. Spill of hydrocarbons: Fuel and oil leaks from construction equipment can affect surface water quality. All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. All spills will be cleaned immediately upon discovery. Additional spill control practices are listed in the attached SWPPP.
3. Should temporary above ground storage tanks be used during construction, either berms will be constructed to prevent hydrocarbons from leaving the site, or double walled tanks will be used, however temporary tanks are not expected to be used.

After Construction: Factors affecting surface water quality after construction is completed include:

1. Pollutants from sediment particles from the paved drive, vehicle oils, greases, detergents, waxes, and brake linings from employee vehicles used to access the site. Runoff will originate from the drive surface area and receive treatment primarily through the sand filter system and supplemented with vegetative filter systems before leaving the site and entering the existing tributary conveyance system.
2. Wastewater effluent leakage: The wastewater lines, pumps, and holding pond have been designed in accordance with TCEQ criteria to help prevent leakage. In addition, inspection of the facility will be performed by operations personnel and any leaks found during the inspections will be repaired.

After Completion of the construction, temporary erosion controls will be maintained in place until revegetation is established as indicated in the SWPPP.

ATTACHMENT E: Volume and Character of Stormwater

ATTACHMENT E – VOLUME AND CHARACTER OF STORMWATER

The Rational Method was used to analyze the change in volume of stormwater runoff for the predeveloped and post developed conditions. Impervious cover for the entire site will be 12.60% with water quality treatment provided by Engineered and Natural Vegetative Strips, and a Sand Filter with a Partial Sedimentation and Filtration System. Estimates of existing and proposed storm water runoff may be found in the drainage sheet of the plan set.

ATTACHMENT J: BMPs for Upgradient Stormwater

ATTACHMENT J – BMPs FOR UPGRADIENT STORMWATER

Upgradient stormwater from the northwest of the tract will be diverted via an existing swale to the west of the road. Upgradient stormwater from the property directly north of the site will be captured by a swale going around the proposed effluent holding pond. The proposed BMPs were not sized to treat any upgradient stormwater because it is a different property owner.

ATTACHMENT K: BMPs for On-site Stormwater

ATTACHMENT K – BMPs FOR ONSITE STORMWATER

Due to the proposed development, permanent BMPs will be required to mitigate the effects of increased TSS loading. The proposed permanent BMPs for the Woodcreek Wastewater Treatment Plant and Effluent Holding Pond will be a combination of engineered vegetative filter systems and a partial sedimentation sand filter system. The selection and associated TSS removal efficiency of the selected BMPs is based on TCEQ Technical Guidance on Best Management Practices. The site consists of maintained grasses and relatively flat slopes. The impervious cover and total drainage area for the respective BMP's drainage area will vary however the implementation of the selected BMPs will be constant throughout each phase of the project's development.

Design procedures and guidelines for these BMPs are in accordance with the TCEQ's Edwards Aquifer Technical Guidance Manual, RG-348 dated June 20, 2005. General Construction Notes and all proposed structural measures and appropriate details may be found in the attached plan set and are part of the Storm Water Pollution Plan (SWPPP).

ATTACHMENT L: BMPs for Surface Streams

ATTACHMENT L – BMPs FOR SURFACE STREAMS

Stormwater runoff from the proposed site improvements do not directly impact surface streams. Temporary and permanent BMPs will be used to prevent pollutants from being conveyed downstream and ultimately entering surface streams. The permanent BMPs include an engineered vegetative filter system and partial sedimentation sand filter system designed to treat polluted stormwater runoff. Temporary BMPs include silt fence, rock berms, and a stabilized construction entrance/exit.

ATTACHMENT M: Construction Plans

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AQUA Texas

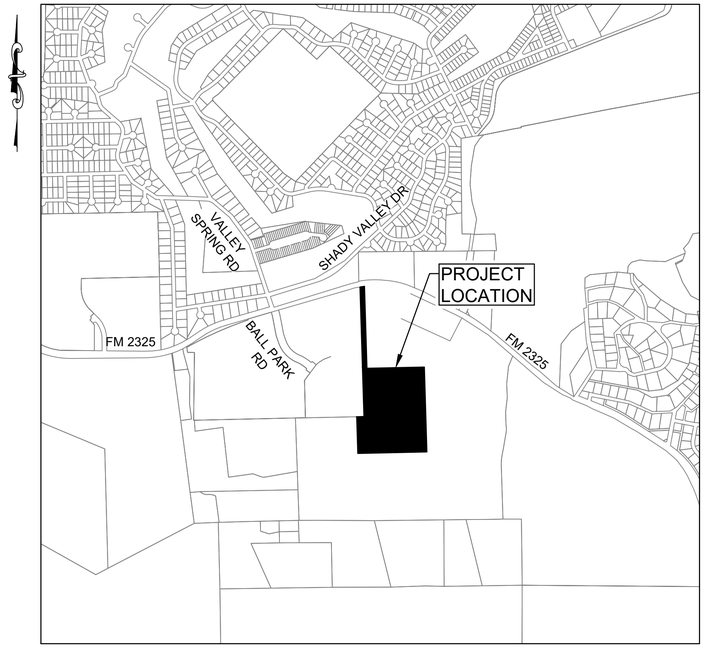
OWNER: AQUA TEXAS, INC.
1106 CLAYTON LANE,
SUITE 400W
AUSTIN, TX 78723
877.987.2782

ENGINEER: BURGESS & NIPLE, INC.
235 LEDGE STONE DR.
AUSTIN, TX 78737
512.432.1000

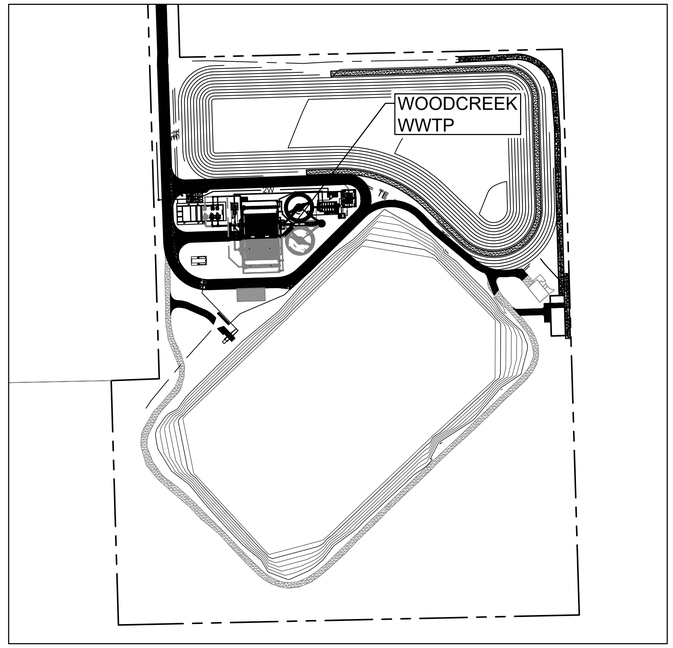
CONSTRUCTION PLANS FOR

AQUA TEXAS, INC

WOODCREEK WASTEWATER TREATMENT EXPANSION WATER QUALITY POND CZP HAYS COUNTY



VICINITY MAP
SCALE 1" = 1000'



SITE MAP
SCALE 1" = 150'

Sheet List Table

Seq. Number	Sheet Number	Sheet Title
1	G-01	COVER
2	G-02	GENERAL NOTES
3	G-03	ABBREVIATIONS
4	G-04	SITE SYMBOLS
5	C-01	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
6	C-02	EROSION & SEDIMENTATION CONTROL PLAN
7	C-03	EXISTING DRAINAGE 1 OF 2
8	C-04	EXISTING DRAINAGE 2 OF 2
9	C-05	PROPOSED DRAINAGE 1 OF 2
10	C-06	PROPOSED DRAINAGE 2 OF 2
11	C-07	PHASING PLAN 1 OF 2
12	C-08	PHASING PLAN 2 OF 2
13	C-09	GRADING PLAN SHEET 1 OF 3
14	C-10	GRADING PLAN SHEET 2 OF 3
15	C-11	GRADING PLAN SHEET 3 OF 3
16	C-12	WATER QUALITY POND 1
17	C-13	WATER QUALITY POND 1 PROFILES
18	C-14	WATER QUALITY POND 2
19	C-15	WATER QUALITY POND 2 PROFILES
20	C-16	WATER QUALITY POND OUTFALLS
21	C-17	WATER QUALITY MAP
22	C-18	WATER QUALITY CALCULATIONS
23	C-19	DETAILS

NOTE:

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN APPROVING THESE PLANS, THE OWNER MUST RELY UPON THE ADEQUACY OF WORK OF THE DESIGN ENGINEER.

APPROVED BY:

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

ENGINEER DATE

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
COVER

NO:	DESCRIPTION REVISIONS	DATE

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: AS NOTED

G-01

SHEET: 1 OF 23

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GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS BEFORE AND DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND NOTIFYING ALL AUTHORIZED INSPECTORS AND PERSONS IN CHARGE OF PRIVATE OR PUBLIC UTILITIES AFFECTED BY THIS PROJECT PRIOR TO CONSTRUCTION COMMENCEMENT.
3. THE SIZE AND LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IDENTIFIED IN THESE CONSTRUCTION PLANS (INCLUDING SERVICE LATERALS) ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION (BOTH HORIZONTALLY & VERTICALLY) PRIOR TO CONSTRUCTION COMMENCEMENT AND PROTECT THE SAME DURING CONSTRUCTION. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. AQUA TEXAS INC. DOES NOT ASSUME RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT. ALL REPAIRS AND REPLACEMENTS BY THE CONTRACTOR SHALL BE AT HIS EXPENSE. SAID EXISTING IMPROVEMENTS SHALL ALSO INCLUDE, BUT NOT BE LIMITED TO, BERMS, DITCHES, FENCES, VEGETATION, ETC.
5. CONTRACTOR SHALL REPORT ANY DIFFERENCES BETWEEN THE INFORMATION IDENTIFIED IN THESE PLANS AND THE CONDITIONS IN THE FIELD IMMEDIATELY TO AQUA TEXAS INC.
6. TEXAS LAW ARTICLE 1436C, PROHIBITS ALL ACTIVITIES IN WHICH PERSONS OR EQUIPMENT MAY COME WITHIN SIX FEET OF ENERGIZED OVERHEAD POWER LINES, AND FEDERAL REGULATION, TITLE 29, PART 1910.180(1) AND PART 1926.550(A)(15) REQUIRE A MINIMUM CLEARANCE OF TEN FEET FROM THESE FACILITIES. THE ABOVE LAWS CARRY BOTH CRIMINAL AND CIVIL LIABILITIES, WITH CONTRACTORS AND OWNERS BEING LEGALLY RESPONSIBLE FOR THE SAFETY OF WORKERS UNDER THESE LAWS. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE ELECTRIC COMPANY WHEN WORKING NEAR OVERHEAD POWER LINES TO BE DE-ENERGIZED AND/OR MOVED AT CONTRACTOR'S EXPENSE.CONTRACTOR SHALL ALSO SHORE EXISTING POWER POLES WHEN PERFORMING EARTHWORK OPERATIONS OR TRENCHING WITHIN CLOSE PROXIMITY OF EXISTING POWER POLES (NO SEPARATE PAY ITEM).
7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SANITARY CONVENIENCE FACILITIES AT THE PROJECT SITE FOR USE BY ALL LABORERS. THEY SHALL BE WELL VENTILATED, BUT PROVIDE CONCEALMENT, AND SHALL BE KEPT CLEAN AT ALL TIMES BY THE CONTRACTOR. THE FACILITIES SHALL BE REMOVED AND THE SITE RESTORED TO ITS ORIGINAL CONDITION OR BETTER UPON COMPLETION OF THE PROJECT. ALL SUCH FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE STATE AND LOCAL HEALTH AUTHORITIES.
8. CONTRACTOR SHALL PROTECT ALL EXISTING TREES AT THE PROJECT SITE. NO EXISTING TREE SHALL BE TRIMMED OR REMOVED WITHOUT AUTHORIZATION FROM THE OWNER UNLESS NOTED OTHERWISE ON THE PLANS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING, TO THE ORIGINAL CONDITION OR BETTER, ANY DAMAGES TO EXISTING PAVEMENTS, SIDEWALKS, DRIVEWAYS, FENCES, OR OTHER STRUCTURES AT HIS EXPENSE, EXCEPT AS NOTED IN THE PLANS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFEGUARDING AND PROTECTING ALL MATERIAL AND EQUIPMENT STORED ON THE JOBSITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STORAGE OF MATERIALS IN A SAFE AND WORKMANLIKE MANNER TO PREVENT INJURIES DURING AND AFTER WORK HOURS.
11. CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES ADJACENT TO WORK AREAS AT ALL TIMES.
12. THE CONTRACTOR SHALL MAINTAIN SERVICE TO EXISTING SANITARY SEWERS AT ALL TIMES DURING CONSTRUCTION.
13. NO WORK OR STORAGE OF MATERIALS AND EQUIPMENT IS ALLOWED WITHIN TXDOT R.O.W.WITHOUT PRIOR APPROVAL AND APPROPRIATE PERMITS FROM TXDOT.
14. CONTRACTOR SHALL COORDINATE WITH PRIVATE PROPERTY OWNERS WHERE NECESSARY TO GAIN ACCESS TO COMPLETE THIS WORK.
15. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL WASTE MATERIALS UPON PROJECT COMPLETION.
16. CONTRACTOR SHALL CONTACT AQUA TEXAS' AREA MANAGER OR FIELD SUPERVISOR AND SCHEDULE A PRE-CONSTRUCTION MEETING.
17. CONTRACTOR SHALL WORK WITH DRAWINGS APPROVED BY AQUA ENGINEERING DEPARTMENT.
18. CONTRACTOR SHALL HAVE ON-SITE AQUA APPROVED DRAWINGS ONLY.
19. CONTRACTOR SHALL REQUIRE WRITTEN AUTHORIZATION FROM AREA MANAGER OR ENGINEERING MANAGER PRIOR TO DOING ANY CHANGES NOT APPROVED IN THE DRAWINGS.
20. CONTRACTOR SHALL NOTIFY AQUA TEXAS 48 HOURS PRIOR TO:
    A. BEGINNING CONSTRUCTION
    B. PRESSURE TESTING
    C. BACTEE SAMPLING
    D. TAPPING/CONNECTING INTO AQUA'S SYSTEM
    E. FINAL WALK THROUGH

TCEQ CONTRIBUTING ZONE PLAN GENERAL CONSTRUCTION NOTES

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY GROUND DISTURBANCE OR CONSTRUCTION ACTIVITIES. THIS NOTICE MUST INCLUDE:
   - THE NAME OF THE APPROVED PROJECT;
   - THE ACTIVITY START DATE; AND
   - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN (CZP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ON-SITE.
3. NO HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
4. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
5. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
6. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
7. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
8. ALL EXCAVATED MATERIAL THAT WILL BE STORED ON-SITE MUST HAVE PROPER E&S CONTROLS.
9. IF PORTIONS OF THE SITE WILL HAVE A CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14th DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21st DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14th DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
10. THE FOLLOWING RECORDS SHOULD BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ 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.
11. THE HOLDER OF ANY APPROVED CZP MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
    A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY BEST MANAGEMENT PRACTICES (BMPS) OR STRUCTURE(S), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;
    B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED;
    C. ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE EDWARDS AQUIFER; OR
    D. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE APPROVED CONTRIBUTING ZONE PLAN.

SEQUENCE OF CONSTRUCTION

(REFER TO FULL PLAN SET FOR PROJECT-SPECIFIC ADDITIONS, IF APPLICABLE.)

1. HOLD PRE-CONSTRUCTION CONFERENCE.
2. TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN AND IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE.
3. THE GENERAL CONTRACTOR WILL FOLLOW THE STORMWATER POLLUTION PREVENTION PLAN SWPPP) POSTED ON THE SITE.
4. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.
5. ROUGH GRADING AND INSTALLATION OF WATER QUALITY PONDS.
6. INSTALL YARD PIPING AND VALVES.
7. CONSTRUCT CONCRETE STRUCTURES AND FOUNDATION.
8. INSTALL MECHANICAL EQUIPMENT.
9. INSTALL ELECTRICAL AND INSTRUMENTATION.
10. STARTUP OF WASTEWATER TREATMENT PLANT.
11. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.
12. COMPLETE PERMANENT EROSION CONTROL AND SITE RESTORATION. REMOVE TEMPORARY EROSION/SEDIMENTATION CONTROLS. RESTORE ANY AREAS DISTURBED DURING REMOVAL OF EROSION/SEDIMENTATION CONTROLS.

PRIOR TO CONSTRUCTION:
1. SECURE APPLICABLE PERMITS.
2. PLACE TEMPORARY TRAFFIC CONTROL DEVICES IF NEEDED.

CAUTION:

EXISTING WATER, SANITARY SEWER, GAS, ELECTRIC TELEPHONE AND CABLE TELEVISION ARE IN CLOSE PROXIMITY TO PROPOSED CONSTRUCTION AREA THROUGHOUT THE CONTRACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THESE FACILITIES PRIOR TO CONSTRUCTION COMMENCEMENT AND PROTECT THE SAME DURING CONSTRUCTION. CONTRACTOR TO CONTACT TEXAS 811 FOR UTILITY LOCATES.

AQUA TEXAS	811
"TEXAS STATE WIDE ONE CALL LOCATOR"	811
ELECTRIC (PEC)	811
TELEPHONE	800-DIG-TESS
CABLE TELEVISION	800-DIG-TESS
TXDOT	830-257-8444
SPECTRUM	811
FRONTIER	811
HAYS COUNTY	811

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
GENERAL NOTES

NO:	DESCRIPTION	DATE
	REVISIONS	

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: NONE

STATE OF TEXAS
LAUREN BARZILLA
108483
LICENSED PROFESSIONAL ENGINEER

G-02

SHEET: 2 OF 23

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&	AND
@	AT
'	FEET
"	INCHES
#	NUMBER
/	PER
%	PERCENT
±	PLUS OR MINUS
Ø	ROUND
B	BASELINE
C C/L	CENTERLINE
Δ °	DEGREE OF CURVATURE ALONG THE ARC OR ANGLE OF DEFLECTION (DEGREES)
A	AMPERE
A/C	AIR CONDITIONER, AIR CONDITIONING
ABS	ACRYLONITRILE BUTADIENE STYRENE
AC	ALTERNATING CURRENT/AIR CHANGES
ACB	AIR CIRCUIT BREAKER
ACI	AMERICAN CONCRETE INSTITUTE
ACP	AREA CONTROL PANEL
ADD	ADDENDUM
ADD'L	ADDITIONAL
AFD	ADJUSTABLE FREQUENCY DRIVE
AFU	AIR FILTRATION UNIT
AHU	AIR HANDLING UNIT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AIC	AMPERES INTERRUPTING CAPABILITY
AIEEE	AMERICAN INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
AL	ALUMINUM
ANN	ANNUNCIATOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE (FORMERLY ASA)
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECTURAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
ATC	AUTOMATIC TEMPERATURE CONTROLS
ATM	ATMOSPHERE
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BFP	BACKFLOW PREVENTOR ASSEMBLY
BH	BULKHEAD
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BM	BENCH MARK
BOT	BOTTOM
BP	BASEPLATE
BPD	BYPASS DAMPER
BRG	BEARING
BRP	BUILDING REFERENCE POINT
BS	BELL AND SPIGOT
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
C	CELSIUS
CC	CHILLED WATER COIL
C/C	CENTER TO CENTER
CAT	CATALOG
CB	CIRCUIT BREAKER
CBV	CABLE BY VENDOR
CCW	COUNTER CLOCKWISE
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONTROL JOINT
CL2	CHLORINE
CLB	CHLORINE STORAGE BUILDING
CLR	CLEAR / CLEARANCE
CM	CONSTRUCTION MANAGER
CMT	CITY MANAGEMENT TEAM
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT(ION)
CONST	CONSTRUCTION
CONT	CONTINUOUS / CONTINUATION
CPC	CONCRETE CORROSION PROTECTION
CPVC	CHLORINATED POLYVINYL CHLORIDE
CR	CONTROL RELAY
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTR	CENTER
CU	COPPER
CV	CHECK VALVE
CW	CLOCKWISE
CY	CUBIC YARD(S)
DBL	DOUBLE
DC	DIRECT CURRENT
DCS	DISTRIBUTED CONTROL SYSTEM
DEG	DEGREE
DEMO	DEMOLISH / DEMOLITION
DFT	DRY FILM THICKNESS
DHU	DEHUMIDIFIER UNIT
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIP	DUCTILE IRON PIPE
DISC	DISCONNECT
DISCH	DISCHARGE
DN	DOWN
DWG	DRAWING(S)
DWL	DOWEL
E	EAST
EA	EACH / EXHAUST AIR
EAD	EXHAUST AIR DIFFUSER
ECC	ECCENTRIC
EF	EACH FACE / EXHAUST FAN
EFF	EFFLUENT
EG	EXHAUST GRILLE
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
EMBD	EMBEDMENT
EQ	EQUAL
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETC	(ET CETERA) AND SO FORTH
EW	EACH WAY / END WALL
EX	EXAMPLE
EXIST	EXISTING
F	FAHRENHEIT
F/F	FINISH FLOOR
FD	FLOOR DRAIN / FIRE DAMPER
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FH	FIRE HYDRANT
FIG	FIGURE
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FLG	FLANGE
FLR	FLOOR
FLUOR	FLUORESCENT
FPM	FEET PER MINUTE
FM	FORCE MAIN
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET / FOOT
FTG	FOOTING
GA	GAUGE OR GAGE
GAL	GALLON(S)
GALV	GALVANIZE(D)
GE	GROOVED END (JOINT)
GND	GROUND
GPM	GALLONS PER MINUTE
GS	GROOVED END-SHOULDER STYLE
GSP	GALVANIZED STEEL PIPE
HB	HOSE BIBB
HC	HOT WATER COIL
HD	HEAD / HIGH DEFINITION
HDG	HOT DIP GALVANIZED
HEX	HEXAGONAL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPT	HIGH POINT
HR	HOUR(S)
HSV	HOODED SUPPLY VENTILATOR
HT	HEIGHT
HV	HEATING AND VENTILATION UNIT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HWL	HIGH WATER LEVEL
HZ	HERTZ
I&C	INSTRUMENTATION AND CONTROL
I/O	INPUT/OUTPUT
IC	INTERRUPTING CAPACITY
ID	INSIDE DIAMETER
IN	INCH
INCAND	INCANDESCENT
INCL	INCLUDE(ED),(ING)
INFN	INFILTRATION
INSUL	INSULATION
INV	INVERT
IPS	IRON PIPE SIZE
IR	INSIDE RADIUS
JAN	JANITOR
JB	JUNCTION BOX
JT	JOINT
K	KIP(S)-KILOPOUNDS RATE OF VERTICAL CURVATURE
KV	KILO VOLT
KVA	KILO VOLT AMPERES
KVAR	KILOVOLT-AMPERE-REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
L	LENGTH / LOUVER
LAV	LAVATORY
LB	POUND
LCP	LOCAL CONTROL PANEL
LCS	LOCAL CONTROL STATION
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
LL	LIVE LOAD
LOC	LOCAL
LP	LIGHT POLE
LPT	LOW POINT
LR	LONG RADIUS
LT	LEFT
LTG	LIGHTING
LWL	LOW WATER LEVEL
MA	MILLIAMPERE
MAG	MAGNETIC
MAS	MASONRY
MAWL	MEAN ANNUAL WATER LEVEL
MAX	MAXIMUM
MBH	1000 BTU'S PER HOUR
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MID	MIDDLE
MIN	MINIMUM OR MINUTE
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MO	MASONRY OPENING
MS	MOTOR STARTER
MTD	MOUNTED
MTL	METAL
MUA	MAKE UP AIR UNIT
MV	MUD VALVE
N	NORTH / NEUTRAL
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN
NO.	NUMBER
NPT	NATIONAL PIPE THREAD
O/O	OUT TO OUT
OA	OUTSIDE AIR
OBBC	OHIO BASIC BUILDING CODE
OC	ON CENTER / ODOR CONTROL
OD	OUTSIDE DIAMETER
ODOT	OHIO DEPARTMENT OF TRANSPORTATION
OH	OVERHEAD
OL	OVERLOAD
OPNG	OPENING
OPP	OPPOSITE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OZ	OUNCE
P	POLE
PB	PUSHBUTTON
PC	POINT OF CURVATURE
PCF	POUNDS PER CUBIC FEET
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
PD	PRESSURE DROP / POSITIVE DISPLACEMENT
PE	PLAIN END
PF	POWER FACTOR
PH	PHASE
PHC	PRE HEAT COIL
PI	POINT OF INTERSECTION
PID	PROCESS AND INSTRUMENTATION DRAWING/DIAGRAM
PL	PLATE
PLC	PROGRAMMABLE LOGIC CONTROLLER
POLY	POLYMER
POT	POTENTIOMETER
PPU	POSITIVE PRESSURIZATION UNIT
PR	PAIR
PRC	POINT OF REVERSE CURVATURE
PRV	PRESSURE REDUCING VALVE
PSF	POUND FORCE PER SQUARE FOOT
PSI	POUND FORCE PER SQUARE INCH
PSIG	POUND FORCE PER SQUARE INCH GAUGE (OR GAGE)
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PW	POTABLE WATER
QTY	QUANTITY
R	RISER / RADIUS
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECEPTACLE / RECEIVE
RECIRC	RECIRCULATED
RED	REDUCER, REDUCING
REINF	REINFORCE(ING),(ED),(MENT)
REQD	REQUIRED
RES	RESTRAINED
REV	REVISION
RH	RELATIVE HUMIDITY
RJ	RESTRAINED JOINT
RM	ROOM
RMS	ROOT MEAN SQUARE
RND	ROUND
RO	ROUGH OPENING
RPM	REVOLUTIONS PER MINUTE
RT	RIGHT
R/W	RIGHT OF WAY
S	SOUTH
SAR	SUPPLY AIR REGISTER
SB	STORM BASIN
SCHD	SCHEDULE
SD	SMOKE DETECTOR
SEC	SECONDARY / SECOND(S)
SF	SILT FENCE
SGL	SINGLE
SHS	SODIUM HYPOCHLORITE SOLUTION
SHT	SHEET
SIM	SIMILAR
SPA	SPACE(S),(ING)
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STIFF	STIFFEN(ER)
STIR	STIRRUP
STL	STEEL
STRUC	STRUCTURAL
SV	SOLENOID VALVE
SW	SWITCH
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SY	SQUARE YARD
T	TREAD, TANGENT
T/	TOP OF
T&B	TOP AND BOTTOM
T/B	TOP OF BEAM
T/C	TOP OF CONCRETE OR CASTING
T/FTG	TOP OF FOOTING
T/STL	TOP OF STEEL
TE	TREATED EFFLUENT
TEMP	TEMPERATURE
THK	THICK(NESS),(ENER),(EN)
THRU	THROUGH
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
USGS	UNITED STATES GEOLOGICAL SURVEY
V	VOLT
VA	VOLT AMPERE
VAC	VOLTS ALTERNATING CURRENT
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITE TILE
VDC	VOLTS DIRECT CURRENT
VELO	VELOCITY
VERT	VERTICAL
W	WEST
WB	WET BULB
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WG	WATER GAUGE
WL	WIND LOAD
WS	WATERSTOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWTP	WASTEWATER TREATMENT PLANT
XFER	TRANSFER
XFMR	TRANSFORMER
YD	YARD
YH	YARD HYDRANT

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
ABBREVIATIONS

NO:	DESCRIPTION	DATE
	REVISIONS	

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: NONE

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

G-03

SHEET: 3 OF 23

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SITE SYMBOLS

EXISTING	PROPOSED	FUTURE	
702	702	702	CONTOURS
BL	BL	BL	BASELINE SURVEY
PL	PL	PL	PROPERTY LINE
℄	℄	℄	CENTERLINE
			STRUCTURE
			EDGE OF WATER
			FENCING
	SF SF		SILT FENCING
			GRADING SLOPE LINE
			RIPRAP
			GUARDRAIL
			PAVED ROAD WITHOUT CURB
			PAVED ROAD WITH CURB
			AGGREGATE ROAD
			PAVEMENT DEMOLITION
			ELECTRICAL DUCTBANK 14" AND WIDER

SITE UTILITIES

EXISTING	PROPOSED	FUTURE	
UGE UGE	UGE UGE	UGE UGE UGE	UNDERGROUND ELECTRICAL LINE OR DUCTBANK SMALLER THAN 14" WIDE
OHE OHE	OHE OHE	OHE OHE OHE	OVERHEAD ELECTRICAL LINE
UGT UGT	UGT UGT	UGT UGT UGT	UNDERGROUND TELEPHONE LINE
OHT OHT	OHT OHT	OHT OHT OHT	OVERHEAD TELEPHONE LINE
G G	G G	G G	NATURAL GAS
W W	W W	W W	WATER
FM FM	FM FM	FM FM	FORCE MAIN
WW WW	WW WW	WW WW WW	WASTEWATER
STM STM	STM STM	STM STM STM	STORM SEWER
			PIPE DEMOLITION

SITE SYMBOLS

EXISTING	PROPOSED	FUTURE	
			POWER POLE
			TELEPHONE POLE
			LIGHT POLE
			POST OR BOLLARD
			VALVE
			MANHOLE
			STORM BASIN
			WATER SPIGOT
YH	YH	YH	YARD HYDRANT
FH	FH	FH	FIRE HYDRANT
			CURB INLET
X-#	X-#	X-#	TEST/SOIL BORING OR MONITORING WELL
EL 698.00	EL 698.00	EL 698.00	SPOT ELEVATIONS
12"	12"	12"	TREE
			SHRUBS/BUSHES
BM-4	BM-4	BM-4	BENCH MARK
M-4	M-4	M-4	MONUMENT
			WATER SURFACE

BENCHMARK DATA

NUMBER	DESCRIPTION	ELEVATION

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108483
REGISTERED PROFESSIONAL ENGINEER

G-04

SHEET: 4 OF 23

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P:\PR60133\Cadd\Sheets\CZP\STORMWATER POLLUTION PREVENTION PLAN (SWPPP).dwg 7/1/2025 8:30:54 AM Darren McFatter

GENERAL NOTES:

THE CONTRACTOR SHALL COMPLY WITH ALL OF THE REQUIREMENTS SET FORTH IN THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (TCEQ) "TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM" (TPDES). INFORMATION ON THE TPDES CONSTRUCTION GENERAL PERMITS MAY BE OBTAINED BY CONTACTING THE TCEQ AT 512-339-2929. INFORMATION IS ALSO AVAILABLE THROUGH TCEQ WEB SITE AT "www.tnrcc.state.tx.us/waterperm/wwperm/construct.html". DISCLAIMER: INFORMATION CONTAINED IN THIS PARAGRAPH IS BASED UPON THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ALL NECESSARY FORMS AND DOCUMENTATION AND COMPLY WITH THE PROVISIONS OF THE TPDES.

THE CONTRACTOR WILL BE REQUIRED TO FOLLOW BEST MANAGEMENT PRACTICES AND TO USE AND MAINTAIN SEDIMENTATION AND WATER POLLUTION CONTROL DEVICES AS REQUIRED.

THE CONTRACTOR SHALL PROVIDE THE OWNER 48 HOURS NOTICE PRIOR TO DISTURBING ANY VEGETATION OR BEGINNING ANY SITE PREPARATION IN ADVANCE OF THE EARTHWORK OPERATION. THE 48 HOUR NOTICE PROVIDES THE OWNER THE REQUIRED TIME TO FILE AND POST THE "NOTICE OF INTENT" (NOI) WITH THE TCEQ.

THE CONTRACTOR SHALL NOT RECEIVE FINAL PAYMENT FOR THE PROJECT UNTIL THE UNPAVED AREAS HAVE ACHIEVED 70% VEGETATIVE COVER WITH PERMANENT GRASSES, AND THE OWNER HAS FILED THE "NOTICE OF TERMINATION" (NOT) WITH THE TCEQ.

IN AREAS THAT HAVE ACHIEVED 70% VEGETATIVE COVER (WHEN COMPARED TO THE SURROUNDING, UNDISTURBED, VEGETATIVE COVER), THE CONTRACTOR MAY REMOVE AND REUSE ANY TEMPORARY EROSION CONTROL DEVICES (THAT ARE IN REASONABLE CONDITION) ON OTHER LOCATIONS IN THE DEVELOPMENT. ADDITIONAL SEEDING MAY BE REQUIRED TO VEGETATE THE AREAS WHERE THE STRUCTURAL CONTROLS WERE REMOVED.

PRIOR TO ACCEPTANCE AND FINAL PAYMENT, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE PLACED PRIOR TO CONSTRUCTION IN ANY AREA, OR AS SOON AS PRACTICAL.

THE CONTRACTOR SHALL PROVIDE FOR ALL INTERIM DRAINAGE ON THE PROJECT. THE INTERIM DRAINAGE SHALL ENSURE THAT ALL RUNOFF IS CHANNELED TO THE TEMPORARY CONTROL DEVICES.

THE CONTRACTOR SHALL TAKE THE STEPS NECESSARY TO ENSURE THAT ALL CONSTRUCTION TRAFFIC LEAVING THE PROJECT SHALL NOT TRACK MUD OR OTHER DEBRIS ONTO ANY ROADWAY, PUBLIC STREET OR ANY ROADWAY WITHIN THE DEVELOPMENT. SHOULD MUD OR OTHER DEBRIS BE TRACKED ONTO ANY ROADWAY, THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REMOVE IT TO THE SATISFACTION OF THE OWNER AND/OR ANY REGULATORY AUTHORITY.

TEMPORARY CONSTRUCTION ENTRANCES SHALL BE UTILIZED WHERE NECESSARY.

SPRINKLING OF ROADWAYS SHALL BE REQUIRED TO CONTROL DUST.

THE CONTRACTOR SHALL MODIFY, AS NECESSARY, ANY TEMPORARY EROSION CONTROL DEVICES SO THAT THEY SERVE THEIR INTENDED PURPOSE.

THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION DEVICES TO A CONDITION SIMILAR TO THAT OF WHEN IT WAS ORIGINALLY INSTALLED.

THE CONTRACTOR SHALL KEEP ALL TEMPORARY EROSION CONTROL DEVICES FREE OF SILT AND/OR ANY OTHER MATERIAL THAT MAY ACCUMULATE. REMOVAL SHALL OCCUR AS SOON AS PRACTICAL AFTER A RAINFALL. IN NO INSTANCE SHALL SILT BE PERMITTED TO ACCUMULATE TO A DEPTH ABOVE, OR IN EXCESS OF 50% OF THE DESIGN CAPACITY OF THE DEVICE.

AS REQUIRED BY THE OWNER, THE CONTRACTOR SHALL ACCOMPANY THE OWNER DURING THE INSPECTION OF THE EROSION CONTROL DEVICES TO DISCUSS MODIFICATIONS TO ENSURE THE DEVICES SERVE THEIR INTENDED PURPOSE.

THE CONTRACTOR SHALL PROTECT ALL AREAS (TREES AND MATURE VEGETATION). WHETHER WITHIN OR OUTSIDE OF THE ACTUAL LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION AS GOOD AS, OR BETTER THAN, THAT PRESENT PRIOR TO THE CONSTRUCTION.

ALL CONSTRUCTION AND CONSTRUCTION EQUIPMENT SHALL REMAIN WITHIN THE ESTABLISHED STREET RIGHT OF WAY AND DRAINAGE EASEMENTS UNLESS THE OWNER HAS GRANTED PRIOR AUTHORIZATION.

IN THE EVENT THE CONTRACTOR ESTABLISHES A YARD ON THE PROJECT. HE SHALL BE RESPONSIBLE FOR ESTABLISHING HIS OWN STORM WATER POLLUTION PREVENTION PLAN AND COMPLYING WITH THE REQUIREMENTS THEREOF.

THE CONTRACTOR SHALL KEEP THE DEVELOPMENT FREE FROM LITTER.

TEMPORARY AND PERMANENT EROSION CONTROL AND SEDIMENTATION CONTROL NOTES
PERMANENT EROSION AND SEDIMENTATION CONTROL

1. ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW (FOR SPECIFICS REFERENCE CITY OF AUSTIN STANDARD SPECIFICATIONS - SERIES 600, ENVIRONMENTAL ENHANCEMENT). A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE PLACED IN ALL DISTURBED AREAS (EXCEPT ROCK) BETWEEN THE CURB AND THE R.O.W.

   THE CONTRACTOR SHALL HYDROMULCH OR SOD ALL EXPOSED CUTS AND FILLS UPON COMPLETION OF CONSTRUCTION, EXCEPT WHERE CUTS ARE MADE IN SOLID ROCK. THE SEEDING OR EROSION CONTROL SHALL BE APPLIED AT THE SPECIFIC RATE OVER AREAS DISTURBED BY CONSTRUCTION AS FOLLOWS UNLESS AN ALTERNATIVE SEED MIX IS APPROVED BY THE OWNER:

   FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH A COMBINATION OF 1 POUND PER 1000 SQUARE FEET OF UNHULLED BERMUDA AND 1 POUND PER 1000 SQUARE FEET OF WINTER RYE WITH A PURITY OF 95% GERMINATION.

   FROM MARCH 1 TO SEPTEMBER 15, SEEDING SHALL BE WITH HULLED BERMUDA GRASS (CYNODEN DACTOLYN) AT A RATE OF 1 POUND PER 1000 SQUARE FEET WITH A PURITY OF 95% WITH 85% GERMINATION.

   FERTILIZER SHALL HAVE AN ANALYSIS OF 15-15-15 AND SHALL BE APPLIED AT A RATE OF 1 LB. PER 1000 SQUARE FEET. MULCH TYPE TO BE STRAW OR HAY APPLIED AT A RATE OF 500 POUNDS PER ACRE. RESTORATION SHALL BE ACCEPTABLE WHEN THE GRASS HAS REACHED A HEIGHT OF AT LEAST 1-1/2" (95%) COVERAGE AND NO BARE SPOTS LARGER THEN 16 SQUARE FEET EXIST.

2. THE SEEDED OR PLANTED AREA IS TO BE IRRIGATED OR SPRINKLED IN A MANNER WHICH WILL NOT ERODE THE TOPSOIL BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF SIX INCHES. THE IRRIGATION SHALL OCCUR AT TEN DAY INTERVALS FOR THE FIRST TWO MONTHS. RAINFALL OCCURRENCES OF AT LEAST 1/2 INCH SHALL POSTPONE THE WATERING OPERATIONS FOR ONE WEEK.

3. WHEN REQUIRED, NATIVE GRASS SEEDING SHALL COMPLY WITH SECTION 604.6 (NATIVE GRASS SEEDING) OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS - SERIES 600, ENVIRONMENTAL ENHANCEMENT.

SITE DESCRIPTION:

A) THE PROJECT SHALL CONSIST OF THE CONSTRUCTION OF PAVING AREAS, DRAINAGE, WATER QUALITY AND UTILITY IMPROVEMENTS.

B) SEQUENCE OF MAJOR ACTIVITIES:
-INSTALLATION OF EROSION/ SEDIMENTATION CONTROLS.
-INITIAL GRADE TO ACHIEVE GENERAL SHAPE OF POND.
-INSTALLATION OF UNDERGROUND UTILITIES, AND PUMP STATION.
-INSTALLATION OF POND LINER AND APPURTENANCES
-REVEGETATION OF DISTURBED AREAS.
-REMOVAL AND PROPER DISPOSAL OF EROSION/SEDIMENTATION CONTROLS ONCE PERMANENT VEGETATION IS ESTABLISHED.

C) ESTIMATE OF SITE AREA:
TOTAL SIZE: 23.57 ACRES
TOTAL DISTURBED AREA: 16.31 ACRES

D) ESTIMATED RUNOFF COEFFICIENTS FOR THE 100 YEAR STORM AND DESCRIPTION OF RUNOFF:
SEE DRAINAGE PLAN AND CALCULATIONS IN THESE CONSTRUCTION PLANS.

THE SOIL IS MOSTLY COMFORT-ROCK OUTCROP COMPLEX, 1 TO 8 PERCENT SLOPES WITH PURVES CLAY, 1 TO 5 PERCENT SLOPES.

E) LOCATION MAP (COVER SHEET)

F) THERE IS NO INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ACTIVITIES

G) RECEIVING WATERS:
RUNOFF FROM THE SITE DISCHARGES TO LOWER BLANCO RIVER, WHICH JOINS THE SAN MARCOS RIVER TO DISCHARGE TO THE GUADALUPE RIVER, FLOWING TO THE GULF OF MEXICO.

NOTE:

DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITY HAS CEASED (TEMPORARILY OR PERMANENTLY) SHALL BE STABILIZED WITHIN FOURTEEN (14) DAYS UNLESS ACTIVITIES ARE SCHEDULED TO RESUME AND DO SO WITHIN TWENTY -ONE (21) DAYS
THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES.

REQUIREMENTS

THE FOLLOWING RECORDS SHALL BE KEPT BY THE CONTRACTOR, WITH THE SWPPP:
-DATES WHEN MAJOR GRADING ACTIVITIES OCCUR
-DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY CEASE
-DATES WHEN CONSTRUCTION ACTIVITIES PERMANENTLY CEASE
-DATES WHEN STABILIZATION MEASURES ARE INITIATED

THE SWPPP SHALL BE AMENDED WHEN:
-THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SYSTEM OR SITE
-INSPECTIONS INDICATE THE PLAN IS NOT MEETING THE DESIRED OBJECTIVES

THE OWNER/OPERATOR SHALL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION:
-TPDES PERMIT NUMBER OR A COPY OF THE NOI IF THE PERMIT NUMBER HAS NOT YET BEEN ASSIGNED
-THE NAME AND TELEPHONE NUMBER OF A LOCAL CONTACT PERSON
-A BRIEF DESCRIPTION OF THE PROJECT
-THE LOCATION OF THE SWPPP

STRUCTURAL PRACTICES

____ SILT FENCES
____ HAY BALES
__X__ ROCK BERMS
____ DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
____ DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
____ DIVERSION DIKE AND SWALE COMBINATION
____ BRUSH BERMS
____ CONCRETE FLUMES
__X__ STABILIZED (ROCK) CONSTRUCTION ENTRANCES
____ SEDIMENT TRAPS
____ SEDIMENT BASINS
____ STONE OUTLET STRUCTURES CURB AND GUTTERS
____ STORM SEWERS
____ VELOCITY CONTROL DEVICES

STABILIZATION PRACTICES

____ TEMPORARY VEGETATION
__X__ PERMANENT VEGETATION
____ CELLULOSE FIBER MULCHING
____ VEGETATIVE BUFFER STRIPS
____ PROTECTION OF TREES
____ PROTECTION OF MATURE VEGETATION
____ GEOTEXTILES
____ SOD STABILIZATION

NOTES:

-MEASURES WILL BE REVISED AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE PROJECT SITE
-ANY SEDIMENT THAT ESCAPES THE SITE WILL BE REMOVED IMMEDIATELY AND CORRECTIVE ACTION TAKEN TO PREVENT ITS RECURRENCE
-LITTER AND OTHER DEBRIS WILL BE COLLECTED FROM THE SITE ROUTINELY
-ALL ON-SITE AND OFF-SITE MATERIAL STORAGE AREAS SHALL BE PROTECTED

INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, STORAGE AREAS, STRUCTURAL CONTROLS, AND AREAS WHERE CONSTRUCTION AND OTHER VEHICLES LEAVE THE SITE AT LEAST ONCE EVERY FOURTEEN (14) DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A STORM EVENT OF ½ INCHES OR GREATER.

DISTURBED AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR POTENTIAL FOR, SEDIMENT ENTERING THE DRAINAGE SYSTEM.

AFTER THE INSPECTIONS, THE SWPPP SHALL BE MODIFIED AS NECESSARY TO INCLUDE ADDITIONAL BMP'S (BEST MANAGEMENT PRACTICES) DESIGNED TO CORRECT DEFICIENCIES IDENTIFIED.

REVISIONS (MODIFICATIONS) SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION, IF POSSIBLE IMPLEMENT BEFORE NEXT STORM EVENT.

IF EXISTING BMP'S NEED TO BE MODIFIED OR ADDITIONAL BMP'S ARE REQUIRED, IMPLEMENTATIONS SHALL BE COMPLETED PRIOR TO THE NEXT ANTICIPATED STORM EVENT OR AS SOON AS PRACTICAL.

A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWPPP SHALL BE MADE AND RETAINED AS PART OF THE SWPPP FOR AT LEAST THREE (3) YEARS FROM THE DATE THE "NOTICE OF TERMINATION" (NOT) IS SUBMITTED.

THE OBSERVATIONS SHOULD INCLUDE:
-SEDIMENT DISCHARGES FROM THE SITE
-LOCATION OF BMP'S THAT SHOULD BE MAINTAINED
-LOCATION OF BMP'S THAT WERE INADEQUATE
-LOCATION WHERE ADDITIONAL BMP'S SHALL BE INSTALLED

WHERE AN INSPECTION DOES NOT INDICATE THAT MODIFICATIONS TO EXISTING BMP'S ARE NECESSARY OR ADDITIONAL BMP'S ARE REQUIRED, A REPORT SHALL BE PREPARED WITH A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE TPDES PERMIT.

STANDARD PERMIT CONDITIONS

1. THE PERMITTEE HAS A DUTY TO COMPLY WITH ALL PERMIT CONDITIONS. FAILURE TO COMPLY WITH ANY PERMIT CONDITION IS A VIOLATION OF THE PERMIT AND STATUTES UNDER WHICH IT WAS ISSUED, AND IS GROUNDS FOR ENFORCEMENT ACTION, FOR TERMINATING COVERAGE UNDER THIS GENERAL PERMIT, OR FOR REQUIRING A DISCHARGER TO APPLY FOR AND OBTAIN AN INDIVIDUAL TPDES PERMIT.

2. AUTHORIZATION UNDER THIS GENERAL PERMIT MAY BE SUSPENDED OR REVOKED FOR CAUSE. FILING A NOTICE OF PLANNED CHANGES OR ANTICIPATED NON-COMPLIANCE BY THE PERMITTEE DOES NOT STAY ANY PERMIT CONDITION. THE PERMITTEE MUST FURNISH TO THE EXECUTIVE DIRECTOR, UPON REQUEST AND WITHIN A REASONABLE TIME, ANY INFORMATION NECESSARY FOR THE EXECUTIVE DIRECTOR TO DETERMINE WHETHER CAUSE EXISTS FOR REVOKING, SUSPENDING, OR TERMINATING AUTHORIZATION UNDER THIS PERMIT. ADDITIONALLY, THE PERMITTEE MUST PROVIDE TO THE EXECUTIVE DIRECTOR, UPON REQUEST, COPIES OF ALL RECORDS THAT THE PERMITTEE IS REQUIRED TO MAINTAIN AS A CONDITION OF THIS GENERAL PERMIT.

3. IT IS NOT A DEFENSE FOR A DISCHARGER IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE BEEN NECESSARY TO HALT OR REDUCE THE PERMITTED ACTIVITY TO MAINTAIN COMPLIANCE WITH THE PERMIT CONDITIONS.

4. INSPECTION AND ENTRY SHALL BE ALLOWED UNDER TEXAS WATER CODE CHAPTERS 26-28, HEALTH AND SAFETY CODE §§ 361.032-361.033 AND 361.037, AND 40 CODE OF FEDERAL REGULATIONS (CFR) § 122.41(i). THE STATEMENT IN TEXAS WATER CODE § 26.014 THAT COMMISSION ENTRY OF A FACILITY SHALL OCCUR ACCORDING TO AN ESTABLISHMENT'S RULES AND REGULATIONS CONCERNING SAFETY, INTERNAL SECURITY, AND FIRE PROTECTION IS NOT GROUNDS FOR DENIAL OR RESTRICTION OF ENTRY TO ANY PART OF THE FACILITY OR SITE, BUT MERELY DESCRIBES THE COMMISSION'S DUTY TO OBSERVE APPROPRIATE RULES AND REGULATIONS DURING AN INSPECTION.

5. THE DISCHARGER IS SUBJECT TO ADMINISTRATIVE, CIVIL, AND CRIMINAL PENALTIES, AS APPLICABLE, UNDER TEXAS WATER CODE §§ 26.136, 26.212, AND 26.213 FOR VIOLATIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

   a. NEGLIGENTLY OR KNOWINGLY VIOLATING CWA, §§ 301, 302, 306, 307, 308, 318, OR 405, OR ANY CONDITION OR LIMITATION IMPLEMENTING ANY SECTIONS IN A PERMIT ISSUED UNDER CWA § 402, OR ANY REQUIREMENT IMPOSED IN A PRETREATMENT PROGRAM APPROVED UNDER CWA, §§ 402(a)(3) OR 402(b)(8);
   b. KNOWINGLY MAKING ANY FALSE STATEMENT, REPRESENTATION, OR CERTIFICATION IN ANY RECORD OR OTHER DOCUMENT SUBMITTED OR REQUIRED TO BE MAINTAINED UNDER A PERMIT, INCLUDING MONITORING REPORTS OR REPORTS OF COMPLIANCE OR NONCOMPLIANCE.

6. ALL REPORTS AND OTHER INFORMATION REQUESTED BY THE EXECUTIVE DIRECTOR MUST BE SIGNED BY THE PERSON AND IN THE MANNER REQUIRED BY 30TAC § 305.128 (RELATING TO SIGNATORIES TO REPORTS).

7. AUTHORIZATION UNDER THIS GENERAL PERMIT DOES NOT CONVEY PROPERTY OR WATER RIGHTS OF ANY SORT AND DOES NOT GRANT ANY EXCLUSIVE PRIVILEGE.

SPILL RESPONSE PLAN

1. ALL SPILLS MEETING THE FOLLOWING CRITERIA MUST BE IMMEDIATELY REPORTED TO THE TEXAS SPILL HOTLINE (1-800-832-8224), WHICH IS OPERATED 24 HRS A DAY.

KIND OF SPILL	WHERE DISCHARGED	AMOUNT
PETROLEUM PRODUCTS	LAND	25 GAL
	WATER	LEAVES A SHEEN ON WATER SURFACE
CHEMICALS	WATER	100 LBS

IF POSSIBLE, BE PREPARED TO ANSWER THE FOLLOWING QUESTIONS:
- DATE AND TIME OF SPILL.
- IDENTITY OF MATERIAL SPILLED.
- ESTIMATE OF THE QUANTITY OF MATERIAL SPILLED AND DURATION.
- THE EXACT LOCATION OF THE SPILL, INCLUDING THE NAME OF WATERS INVOLVED OR THREATENED (ONION CREEK/WALNUT SPRINGS)
- EXTENT OF ACTUAL AND POTENTIAL WATER POLLUTION.
- SOURCE OF THE SPILL.
- NAME, ADDRESS, AND PHONE NUMBER OF THE PARTY IN CHARGE OF, OR RESPONSIBLE FOR THE PROJECT OR ACTIVITY ASSOCIATED WITH THE SPILL.
- THE STEPS BEING TAKEN OR PROPOSED TO CONTAIN AND CLEAN UP THE SPILL AND ANY PRECAUTIONS TAKEN TO MINIMIZE IMPACTS, INCLUDING EVACUATION.
- THE EXTENT OF INJURIES, IF ANY.
- ANY KNOWN OR ANTICIPATED HEALTH RISKS.
- POSSIBLE HAZARDS TO THE ENVIRONMENT (AIR, SOIL, WATER, WILDLIFE, ETC.)
- THE IDENTITIES OF ANY RESPONDING AGENCIES.

2. IMMEDIATELY CONTAIN SPILLS OF ALL QUANTITIES AND MATERIALS. IF A LIQUID SPILL OCCURS ON PAVED SURFACES, ENCIRCLE THE SPILL WITH ABSORBENT MATERIALS. IF A LIQUID SPILL OCCURS IN DIRT AREAS, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EARTHEN DIKE. PROMPTLY AND PROPERLY DISPOSE OF CONTAMINATED ABSORBENT MATERIAL AND DIRT. NEVER HOSE DOWN OR BURY DRY MATERIAL SPILLS.

3. WHEN VEHICLE MAINTENANCE AND/OR FUELING OCCURS ONSITE, USE A DESIGNATED AREA LOCATED AWAY FROM DRAINAGE COURSES. REGULARLY INSPECT ONSITE VEHICLES AND EQUIPMENT FOR LEAKS. REPAIR IMMEDIATELY.

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

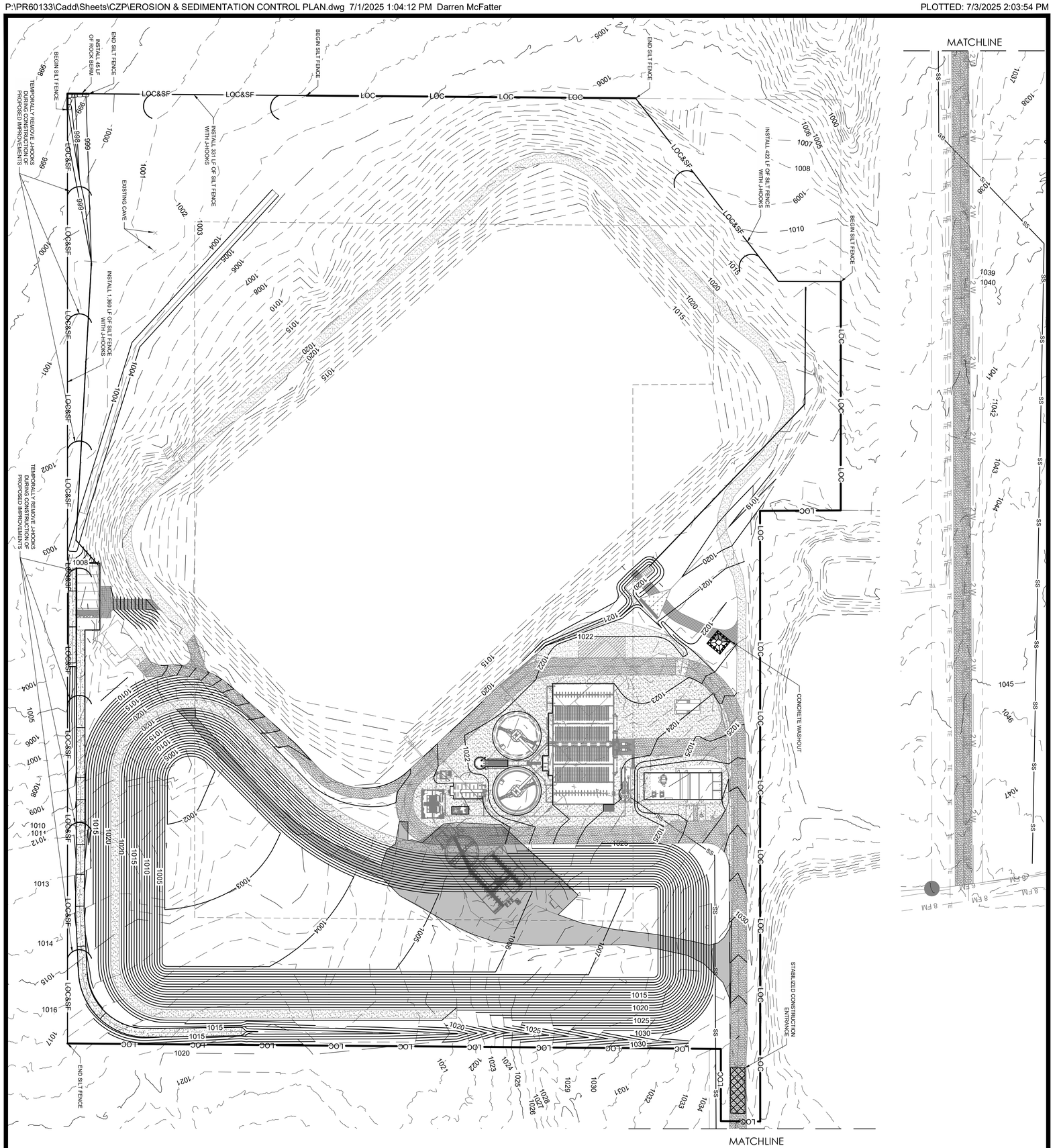
NO:	DESCRIPTION	DATE
	REVISIONS	

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: NONE

STATE OF TEXAS
LAUREN BARZILLA
108483
LICENSED PROFESSIONAL ENGINEER

C-01

SHEET: 5 OF 23



LEGEND

- LOC — LIMITS OF CONSTRUCTION
- LOC&SF — LIMITS OF CONSTRUCTION & SILT FENCE
- SF — SILT FENCE
- EXISTING TO BE DEMOLISHED
- STABILIZED CONSTRUCTION ENTRANCE
- ROCK BERM

0 60' 120'

N

SHEET:	6 OF 23
	C-02
SCALE:	1" = 60'
APPROVED BY:	LBB
CHECKED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
DESIGNED BY:	JB, CC, DM
DATE:	July 2025
JOB NO:	PR60133

STATE OF TEXAS — LAUREN BARZILLA — 108483 — LICENSED PROFESSIONAL ENGINEER

NO:	DESCRIPTION	DATE
	REVISIONS	

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
EROSION & SEDIMENTATION CONTROL PLAN

AQUA TEXAS, INC

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

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SUB-BASIN RUNOFF - Predevelopment

Basin		Area		Sheet Flow				Shallow Conc Flow			Channel Flow			2-year			10-year			25-year			100-year		
From	To			L	n	S	Tc	L	S	Tc	L	Tc	Cum.	C	I	Q	C	I	Q	C	I	Q	C	I	Q
Area	Inlet	sf	ac	ft		%	min	ft	%	min	ft	min	min		(in/hr)	(cfs)		(in/hr)	(cfs)		in/hr	cfs		in/hr	cfs
A	POA-1	2,206,992	50.666	100	0.13	3.0%	6.5	1088	2.5%	5.6	1279	3.6	15.7	0.42	4.17	89.1	0.48	6.30	152.8	0.52	7.75	206.1	0.60	10.12	307.8
B	POA-2	1,094,218	25.120	100	0.13	2.5%	7.0	1751	2.7%	8.8	0	0.0	15.8	0.40	4.16	41.4	0.45	6.28	71.2	0.49	7.72	96.3	0.57	10.09	144.6

Runoff Coefficients
COA DCM - Table 2-2

	2 Yr	10 Yr	25 Yr	100 Yr
Undeveloped Pasture Range (2% - 7%)	0.33	0.38	0.42	0.49
Concrete	0.75	0.83	0.88	0.97
Asphalt	0.73	0.81	0.86	0.95

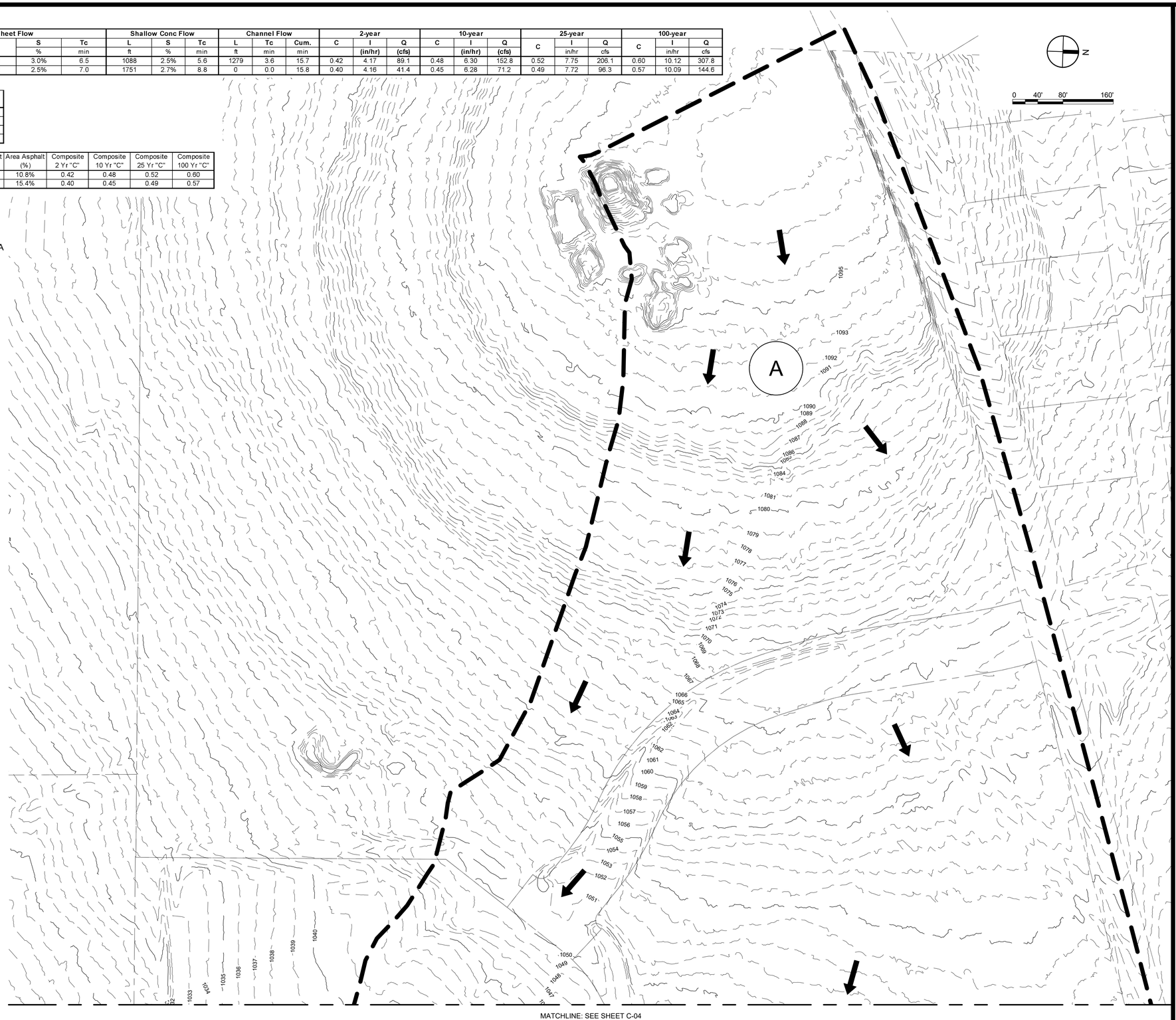
Basin	Total Area (sf)	Area Grass (sf)	Area Grass (%)	Area Concrete (sf)	Area Concrete (%)	Area Asphalt (sf)	Area Asphalt (%)	Composite 2 Yr "C"	Composite 10 Yr "C"	Composite 25 Yr "C"	Composite 100 Yr "C"
Pre-dev A	2,206,992	1,713,637	77.6%	254,805	11.5%	238,550	10.8%	0.42	0.48	0.52	0.60
Pre-dev B	1,094,218	914,301	83.6%	11,275	1.0%	168,642	15.4%	0.40	0.45	0.49	0.57

LEGEND

PRE-DEVELOPED DRAINAGE AREA

DRAINAGE ARROW

X-X DRAINAGE AREA LABEL



MATCHLINE: SEE SHEET C-04

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
EXISTING DRAINAGE 1 OF 2

NO.	DESCRIPTION	DATE
	REVISIONS	

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 80'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-03

SHEET: 7 OF 23

P:\PR60133\Cadd\Sheets\CZP\EXISTING DRAINAGE.dwg 6/9/2025 4:56:38 PM Darren McFatter

LEGEND

PRE-DEVELOPED DRAINAGE AREA

DRAINAGE ARROW

DRAINAGE AREA LABEL

X-X

NO:	DESCRIPTION	DATE
	REVISIONS	

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
EXISTING DRAINAGE 2 OF 2

AQUA TEXAS, INC

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: 1" = 80'

STATE OF TEXAS
LAUREN BARZILLA
108483
LICENSED PROFESSIONAL ENGINEER

C-04

SHEET: 8 OF 23

PLOTTED: 7/3/2025 2:04:32 PM

SUB-BASIN RUNOFF - Postdevelopment

Basin		Area		Sheet Flow				Shallow Conc Flow			Channel Flow			2-year			10-year			25-year			100-year		
From	To			L	n	S	Tc	L	S	Tc	L	Tc	Cum.	C	I	Q	C	I	Q	C	I	Q	C	I	Q
Area	Inlet	sf	ac	ft		%	min	ft	%	min	ft	min	min		(in/hr)	(cfs)		(in/hr)	(cfs)		in/hr	cfs		in/hr	cfs
A1	A1	17,571	0.403	59	0.13	3.4%	4.1	0	3.2%	0.0	553	1.5	5.6	0.59	6.11	1.5	0.66	11.98	3.2	0.71	11.41	3.3	0.79	14.91	4.8
A2	A2	5,769	0.132	7	0.13	1.0%	1.2	0	3.0%	0.0	452	1.3	5.0	0.73	6.31	0.6	0.81	9.61	1.0	0.86	11.79	1.4	0.95	15.42	2.0
A3	A3	57,969	1.331	100	0.13	1.7%	8.3	142	0.7%	1.4	201	0.6	10.2	0.54	5.01	3.6	0.61	7.58	6.1	0.65	9.31	8.1	0.73	12.14	11.9
A4	A4	6,747	0.155	97	0.13	2.0%	7.5	0	3.0%	0.0	85	0.2	7.7	0.37	5.55	0.3	0.42	8.42	0.5	0.46	10.34	0.7	0.53	13.49	1.1
A5	A5	2,069,222	47.503	100	0.13	3.0%	6.5	1088	2.5%	5.6	1298	3.6	15.8	0.42	4.17	82.5	0.47	6.29	141.5	0.52	7.74	191.1	0.59	10.11	285.5
B1	B1	32,290	0.741	100	0.13	3.0%	6.5	237	4.2%	0.9	26	0.1	7.6	0.37	5.59	1.5	0.42	8.48	2.7	0.46	10.40	3.6	0.54	13.58	5.4
B2	B2	542,494	12.454	100	0.13	3.5%	6.1	1014	3.2%	4.6	69	0.2	11.0	0.38	4.87	23.2	0.44	7.38	40.1	0.48	9.05	54.4	0.55	11.81	81.7
B3	B3	184,107	4.227	100	0.13	4.0%	5.8	1102	3.0%	5.2	466	1.3	12.3	0.36	4.65	7.1	0.41	7.03	12.2	0.45	8.63	16.6	0.52	11.26	25.1
B4	B4	29,869	0.686	100	0.13	1.5%	8.7	94	0.0%	4.4	438	1.2	14.3	0.60	4.35	1.8	0.67	6.58	3.0	0.72	8.09	4.0	0.80	10.56	5.8
B5	B5	8,068	0.185	100	0.13	12.0%	3.8	12	8.0%	0.0	25	0.1	5.0	0.36	6.31	0.4	0.41	9.61	0.7	0.45	11.79	1.0	0.52	15.42	1.5
B6	B6	174,240	4.000	100	0.13	13.0%	3.6	367	2.5%	1.9	0	0.0	5.6	0.34	6.13	8.4	0.39	9.33	14.6	0.43	11.45	20.0	0.50	14.97	30.4
A1, A2	DIP 1	23,340	0.536	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	5.6	0.63	6.11	2.0	0.70	9.30	3.5	0.75	11.41	4.6	0.83	14.91	6.7
A1, A2, A4	SWALE 2	30,087	0.691	0	0.13	2.0%	0.0	0	3.0%	0.0	83	0.2	7.7	0.57	5.55	2.2	0.64	8.42	3.7	0.68	10.34	4.9	0.76	13.49	7.2
A1, A2, A3, A4	POND 1	88,672	2.036	0	0.13	2.0%	0.0	0	3.0%	0.0	83	0.2	10.2	0.55	5.01	5.6	0.61	7.58	9.5	0.66	9.31	12.6	0.74	12.14	18.4
A1, A2, A3, A4, A5	POA-1	2,157,278	49.524	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	15.8	0.42	4.17	87.1	0.48	6.29	149.4	0.52	7.74	201.5	0.60	10.11	300.8
B1, B2	SWALE 3B	574,784	13.195	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	11.0	0.38	4.87	24.6	0.44	7.38	42.4	0.48	9.05	57.5	0.55	11.81	86.4
B1, B2, B3	SWALE 3C	758,891	17.422	0	0.13	2.0%	0.0	0	3.0%	0.0	710	2.0	13.0	0.38	4.55	29.9	0.43	6.88	51.6	0.47	8.45	70.0	0.54	11.03	105.3
B1, B2, B3, B4, B5	POND 2	796,827	18.293	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	14.3	0.38	4.35	30.6	0.44	6.58	52.8	0.48	8.09	71.6	0.55	10.56	107.7
B1, B2, B3, B4, B5, B6	POA-2	971,067	22.293	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	14.3	0.38	4.35	36.6	0.43	6.58	63.2	0.47	8.09	85.7	0.54	10.56	129.1

Runoff Coefficients
COA DCM - Table 2-2

	2 Yr	10 Yr	25 Yr	100 Yr
Undeveloped Pasture Range (2% - 7%)	0.33	0.38	0.42	0.49
Concrete	0.75	0.83	0.88	0.97
Asphalt	0.73	0.81	0.86	0.95

Basin	Total Area (sf)	Area Grass (sf)	Area Grass (%)	Area Concrete (sf)	Area Concrete (%)	Area Asphalt (sf)	Area Asphalt (%)	Composite 2 Yr "C"	Composite 10 Yr "C"	Composite 25 Yr "C"	Composite 100 Yr "C"
A1	17,571	6,221	35.4%	2,680	15.3%	8,671	49.3%	0.59	0.66	0.71	0.79
A2	5,769	0	0.0%	0	0.0%	5,769	100.0%	0.73	0.81	0.86	0.95
A3	57,969	27,599	47.6%	3,723	6.4%	26,647	46.0%	0.54	0.61	0.65	0.73
A4	6,747	6,124	90.8%	0	0.0%	623	9.2%	0.37	0.42	0.46	0.53
A5	2,069,222	1,628,666	78.7%	188,685	9.1%	251,871	12.2%	0.42	0.47	0.52	0.59
B1	32,290	28,997	89.8%	0	0.0%	3,292	10.2%	0.37	0.42	0.46	0.54
B2	542,494	471,372	86.9%	9,948	1.8%	61,174	11.3%	0.38	0.44	0.48	0.55
B3	184,107	170,973	92.9%	8,226	4.5%	4,908	2.7%	0.36	0.41	0.45	0.52
B4	29,869	9,860	33.0%	1,133	3.8%	18,876	63.2%	0.60	0.67	0.72	0.80
B5	8,068	7,512	93.1%	0	0.0%	556	6.9%	0.36	0.41	0.45	0.52
B6	174,240	169,271	97.1%	1,213	0.7%	3,756	2.2%	0.34	0.39	0.43	0.50

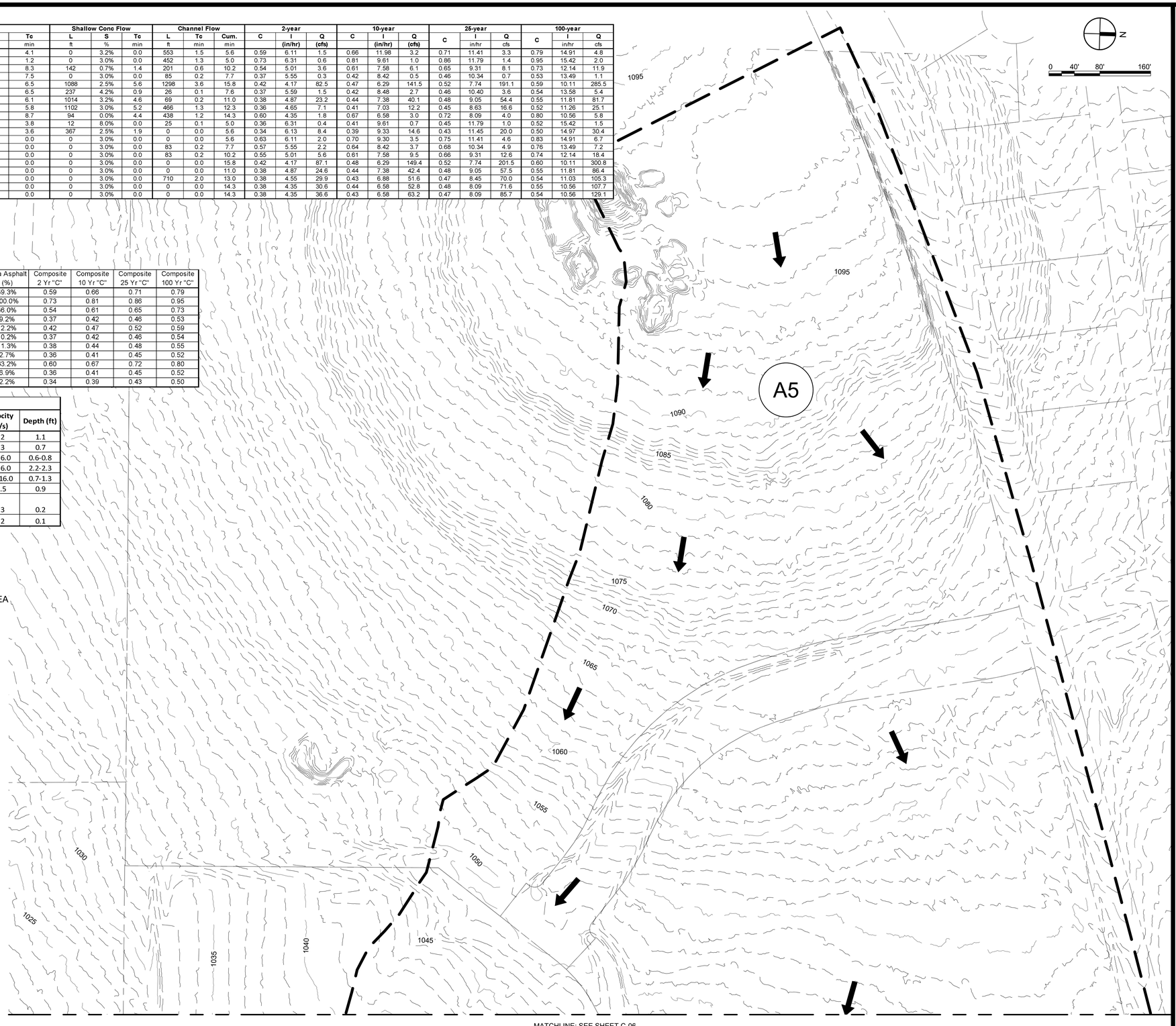
SWALES

Name	100-Year Flow (cfs)	n-Value	Channel Slope	Left Slope	Right Slope	Bottom Width (ft)	Velocity (ft/s)	Depth (ft)
SWALE 1	11.9	0.030	1%	3:1	3:1	0	3.2	1.1
SWALE 2	7.2	0.030	3%	3:1	3:1	0	4.3	0.7
SWALE 3A	5.4	0.030	1.0-8.7%	3:1	3:1	0	2.7-6.0	0.6-0.8
SWALE 3B	86.4	0.030	1.0-1.4%	3:1	3:1	0	5.3-6.0	2.2-2.3
SWALE 3C	105.3	0.013	0.5-4%	0	0	10	8.2-16.0	0.7-1.3
SWALE 4	107.7	0.013	2%	0	0	8.5	13.5	0.9
SWALE 5 LEVEL SPREADER	129.1	0.030	0.5%	3:1	3:1	450	1.3	0.2
DIP 1	6.7	0.013	2%	50:1	50:1	12	3.2	0.1

Level Spreader	COA ECM 1.4.6.C	
	Ten Year Rain Event	Length
LEVEL SPREADER 1	18.39	18.39

LEGEND

- POST-DEVELOPED DRAINAGE AREA
- DRAINAGE ARROW
- X-X — DRAINAGE AREA LABEL
- VEGETATIVE FILTER STRIP



BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
PROPOSED DRAINAGE 1 OF 2

NO.	DESCRIPTION REVISIONS	DATE

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 80'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-05

SHEET: 9 OF 23

P:\PR60133\Cadd\Sheets\CZP\PROPOSED DRAINAGE.dwg 7/2/2025 11:04:16 AM Darren McFatter

PLOTTED: 7/3/2025 2:04:42 PM

MATCHLINE: SEE SHEET C-05

N

0 40' 80' 160'

A1
A2
A3
A4
A5
A5
B1
B2
B3
B4
B5
B6

POA-1
POA-2

WEIR 1
POND 1
SWALE 2
DIP 1
SWALE 1
WEIR 2
POND 2
SWALE 4
SWALE 5
LEVEL SPREADER
SWALE 3A
SWALE 3B
SWALE 3C

LEGEND

- POST-DEVELOPED DRAINAGE AREA
- DRAINAGE ARROW
- X-X DRAINAGE AREA LABEL
- VEGETATIVE FILTER STRIP

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
PROPOSED DRAINAGE 2 OF 2

NO:	DESCRIPTION REVISIONS	DATE

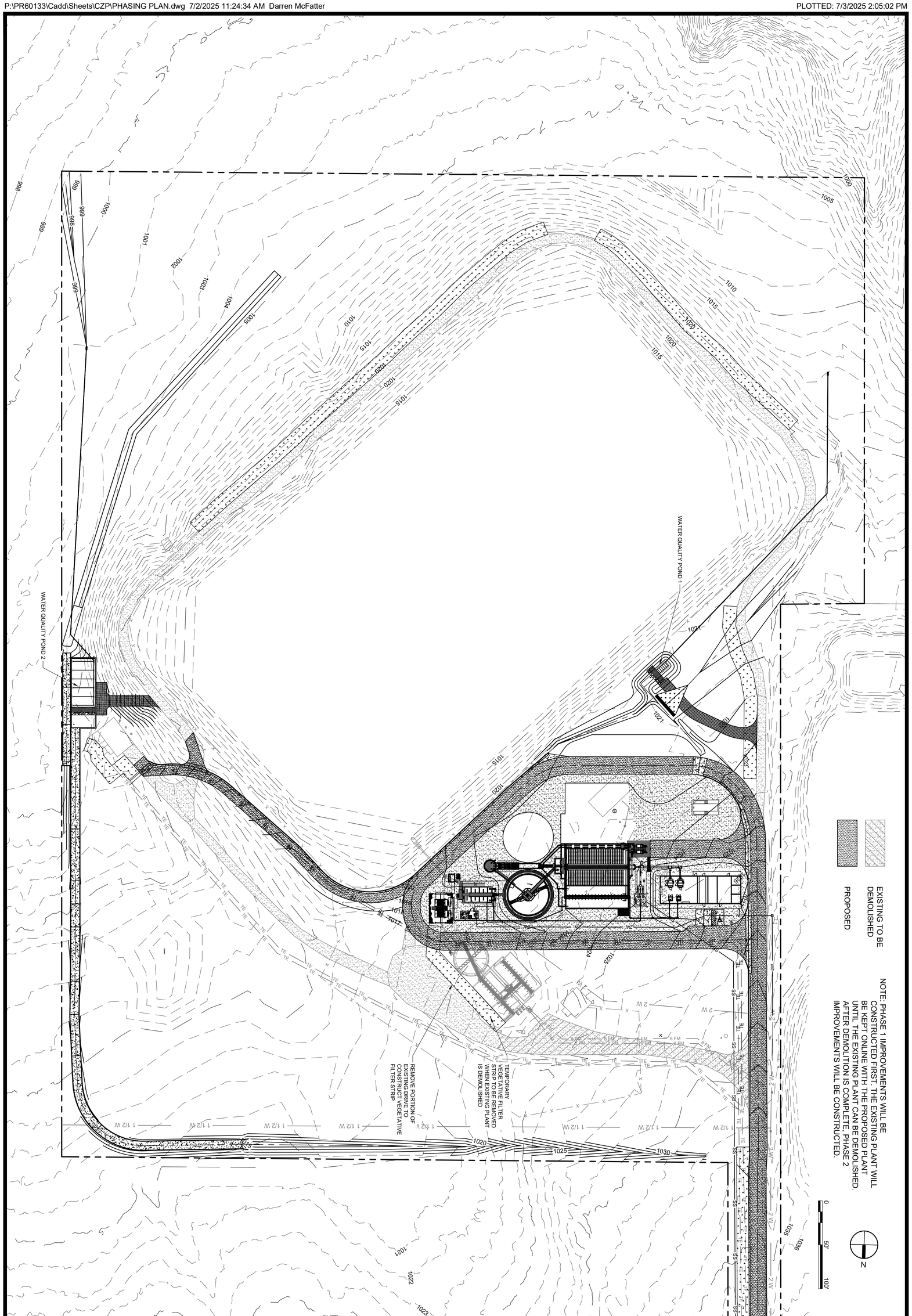
JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 80'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-06

SHEET: 10 OF 23

P:\PR60133\Cadd\Sheets\CZP\PROPOSED DRAINAGE.dwg 7/2/2025 11:04:16 AM Darren McFatter



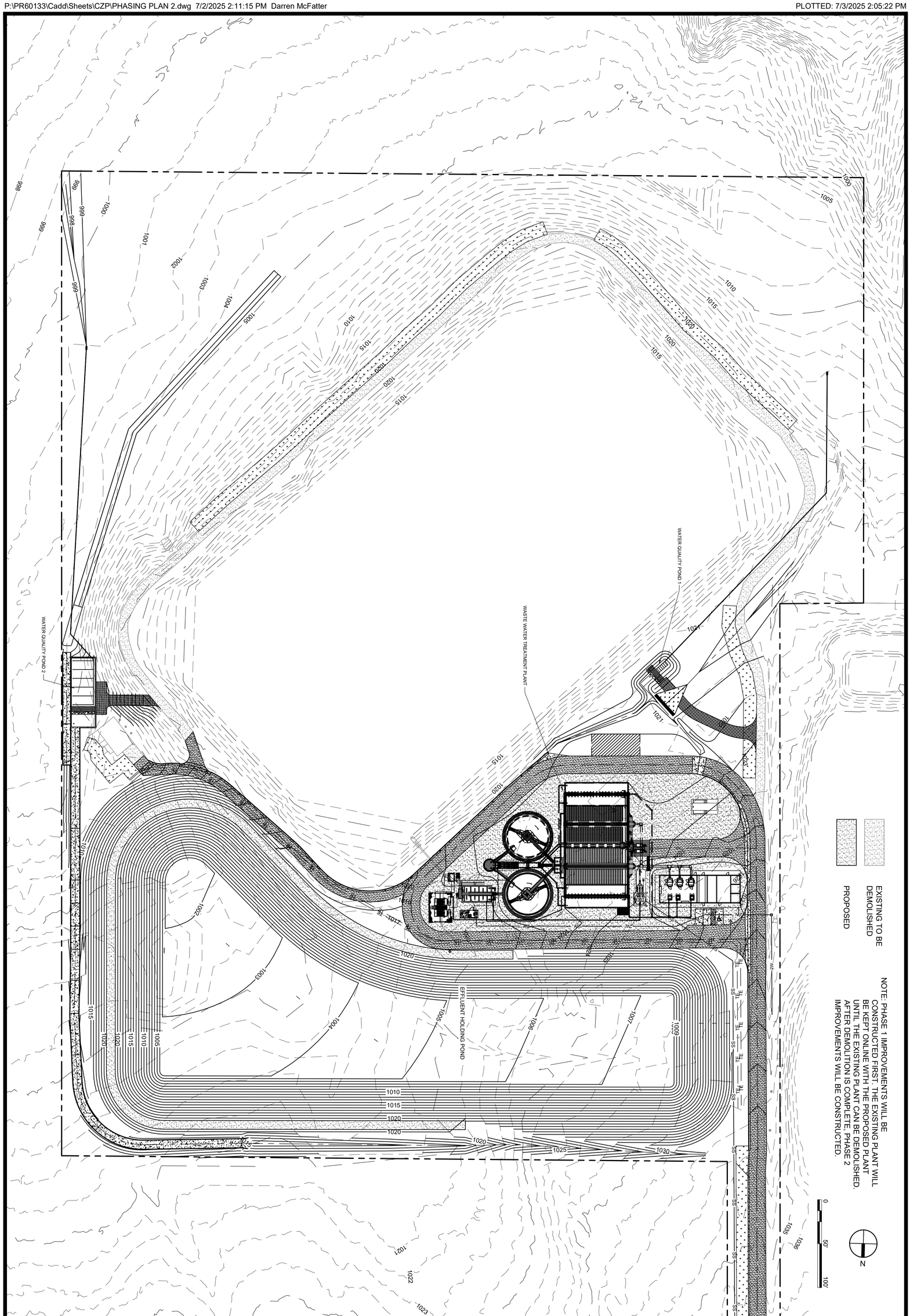
SHEET:	11 OF 23
	C-07
SCALE:	1" = 50'
APPROVED BY:	LBB
CHECKED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
DESIGNED BY:	JB, CC, DM
DATE:	July 2025
JOB NO:	PR60133

NO:	DESCRIPTION	DATE
	REVISIONS	

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
PHASING PLAN 1 OF 2

AQUA TEXAS, INC

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834



SHEET: 12 OF 23

C-08

LAUREN BARZILLA
108483
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

SCALE: AS NOTED
APPROVED BY: LBB
CHECKED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
DESIGNED BY: JB, CC, DM
DATE: July 2025
JOB NO: PR60133

NO:	DESCRIPTION	DATE
	REVISIONS	

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
PHASING PLAN 2 OF 2

AQUA
AQUA TEXAS, INC

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

PLOTTED: 7/3/2025 2:05:45 PM

P:\PR60133\Cadd\Sheets\CZP\GRADING PLAN.dwg 7/1/2025 1:53:58 PM Darren McFatter

BEGIN 6" CURB AND GUTTER ON EXISTING GRADE
TC=1033.37
GUT=1032.87

SWALE 3A:
BEGIN V-SHAPED SWALE WITH MIN. 0.6' DEPTH AND 3:1 SIDE SLOPES @ MIN. 1% SLOPE AND MAX. 8.7% SLOPE

SWALE 3B:
TRANSITION V-SHAPED SWALE TO MIN. 2.2' DEPTH AND 3:1 SIDE SLOPES @ MIN. 1% SLOPE AND MAX. 1.4% SLOPE

SWALE 3C:
TRANSITION TO 10' FLAT BOTTOM CONCRETE CHANNEL WITH MIN. 1.5' DEPTH(UNLESS OTHERWISE NOTED) @ MIN. 1% SLOPE

INSTALL CONCRETE VALLEY GUTTER

FUTURE RECLAIMED WATER HOLDING POND

OPERATIONS AND BLOWER BUILDING FFE=1027.00

TOP OF WET WELL =1024.50

DIGESTOR

CLARIFIER

CCT

CLB TOC=1021.50

FILTERS TOC=1021.00

AERATION BASIN

FUTURE AERATION BASIN

FUTURE DIGESTOR

FUTURE CLARIFIER

GENERATOR

FUTURE SLUDGE DEWATERING BLDG.

EFFLUENT SAMPLING AND FLOW MEASURING BOX/ NPW SYSTEM
TOC=1021.50

WAS/RAS
TOP OF WET WELL =1021.50
HIGH POINT
TC=1022.21
GUT=1021.71

DIP 1

SWALE 1:
BEGIN V-SHAPED SWALE WITH MIN. 1.25' DEPTH AND 3:1 SIDE SLOPES @ MIN. 1% SLOPE AND MAX. 5.5% SLOPE

SWALE 2:
BEGIN V-SHAPED SWALE WITH MIN. 1' DEPTH AND 3:1 SIDE SLOPES @ MIN. 1% SLOPE AND MAX. 8% SLOPE

CONCRETE CHANNEL (SEE DETAIL SHEET C-11)

INSTALL CONCRETE VALLEY GUTTER

TOP OF WEIR=1009.00
BTM OF WEIR=1007.10

SWALE 4
CONCRETE OVERFLOW CHANNEL (SEE DETAIL SHEET C-11)

MATCHLINE:
SEE SHEET C-10

MATCHLINE:
SEE SHEET C-11

N

0 30' 60'

BURGESS & NIPLE INC.
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AQUA

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
GRADING PLAN SHEET 1 OF 3

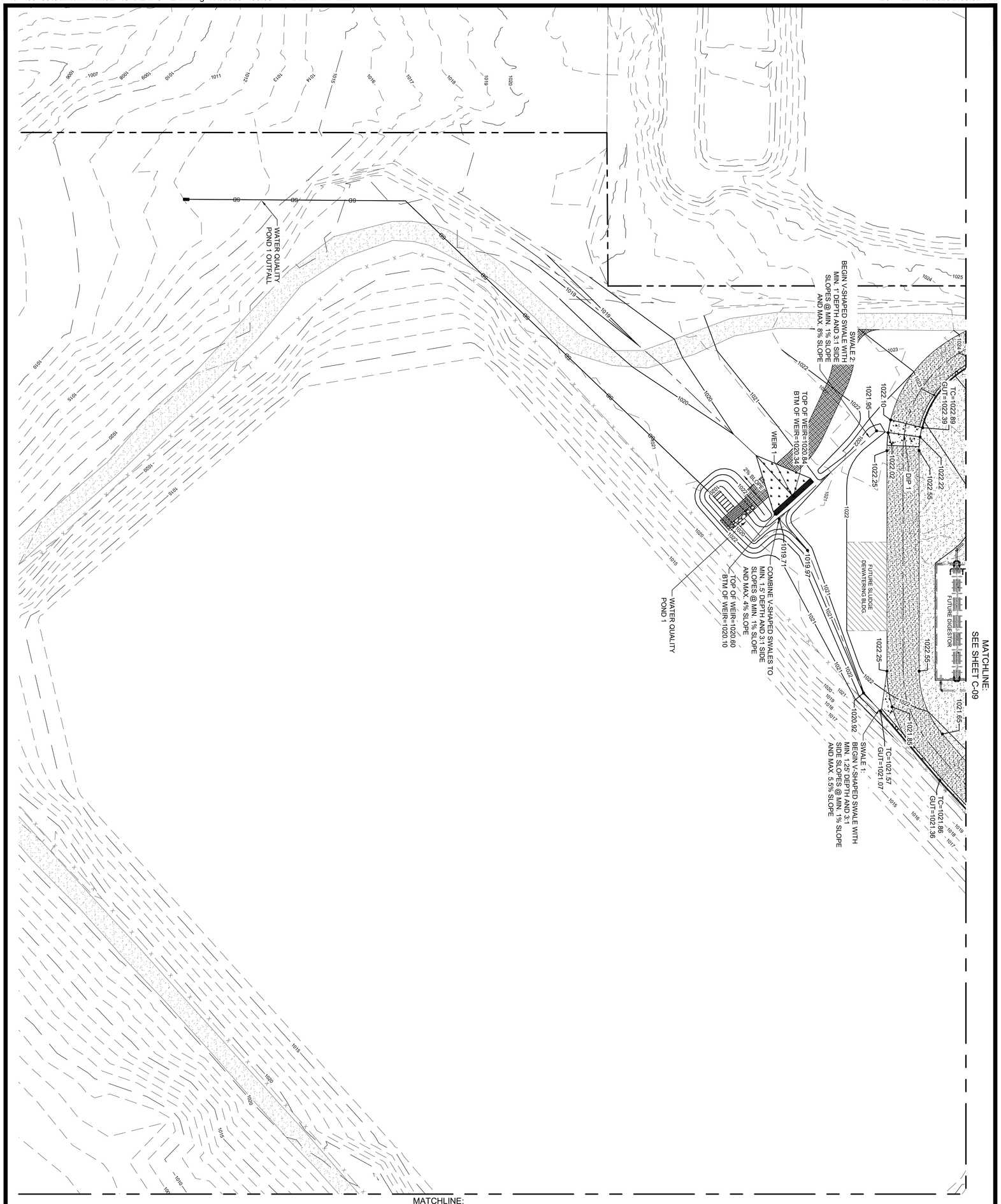
NO:	DESCRIPTION REVISIONS	DATE

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 30'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-09

SHEET: 13 OF 23



0 30' 60'

N

NO:	DESCRIPTION	DATE
REVISIONS		

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
GRADING PLAN SHEET 2 OF 3

AQUA TEXAS, INC

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

JOB NO: PR60133
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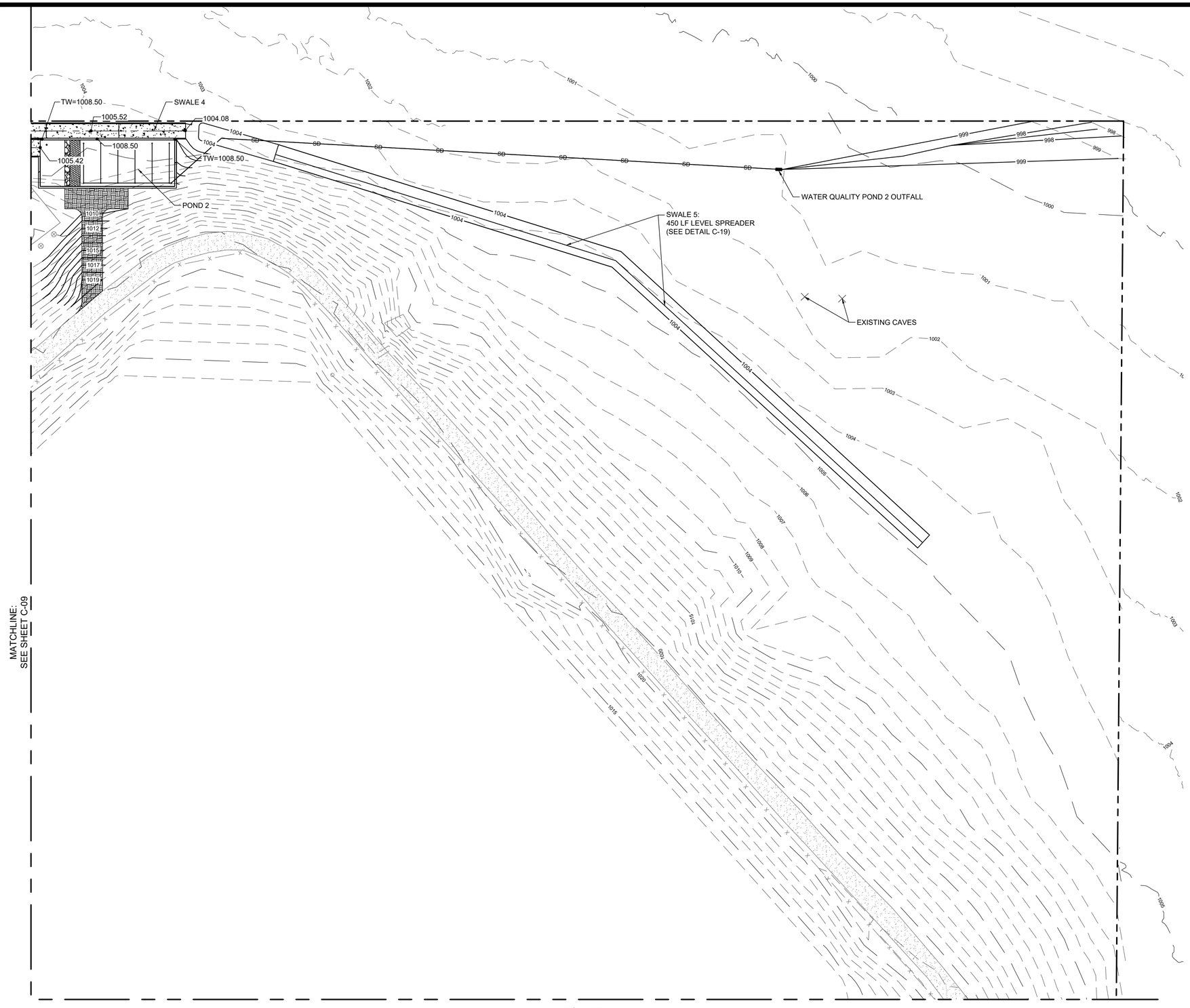
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: 1" = 30'

STATE OF TEXAS
LAUREN BARZILLA
108483
LICENSED PROFESSIONAL ENGINEER
07/03/2025

C-10

SHEET 14 OF 23

PLOTTED: 7/3/2025 2:06:03 PM



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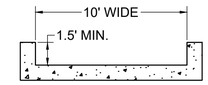
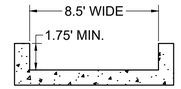
0 30' 60'



SWALE 3C CONCRETE CHANNEL
SCALE: 1" = 5'



SWALE 4 CONCRETE OVERFLOW CHANNEL
SCALE: 1" = 5'

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
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AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
GRADING PLAN SHEET 3 OF 3

NO:	DESCRIPTION	DATE
	REVISIONS	

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 30'

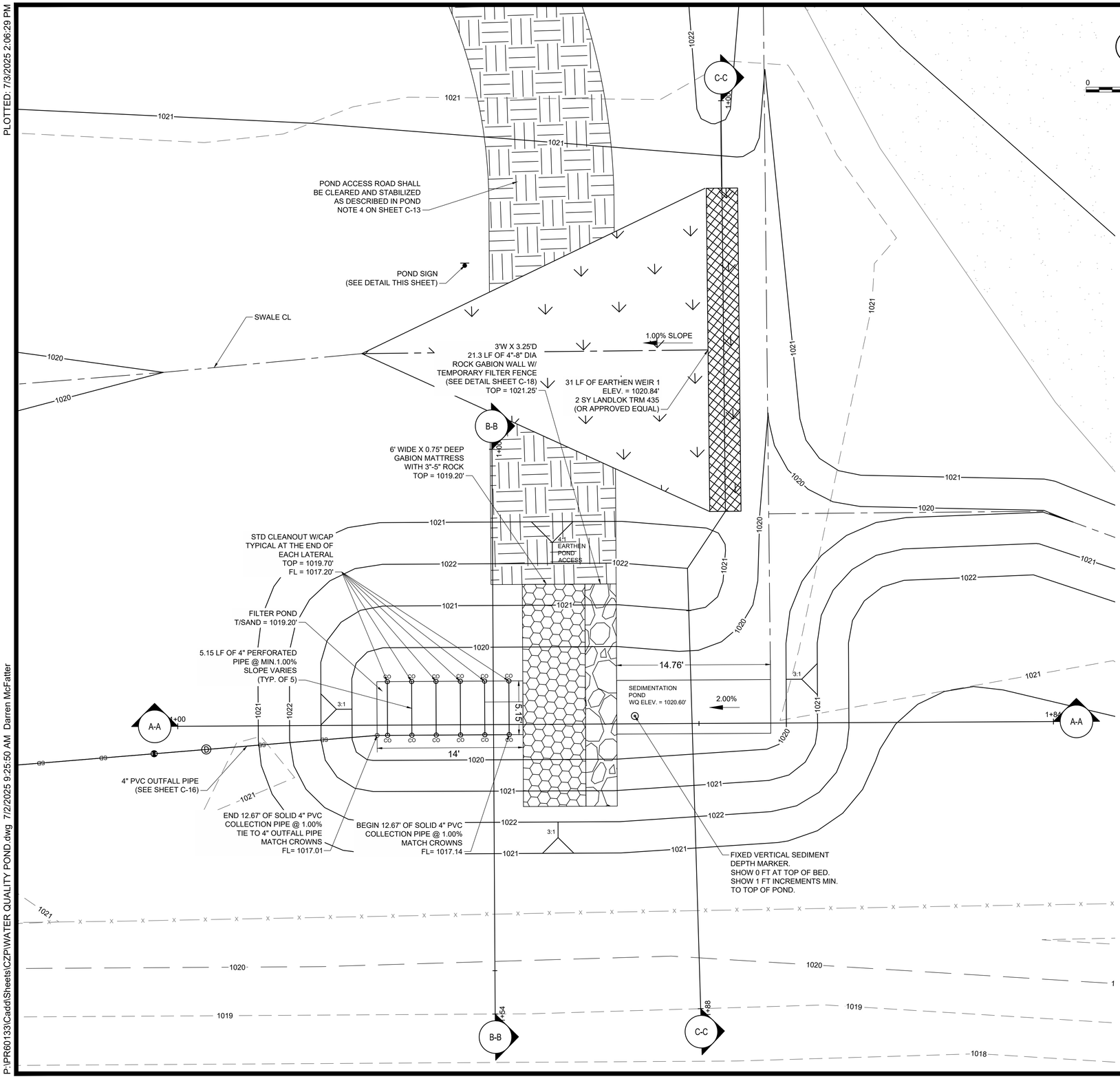
STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED
PROFESSIONAL ENGINEER

C-11

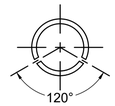
SHEET: 15 OF 23

P:\PR60133\Cadd\Sheets\CZP\GRADING PLAN.dwg 7/1/2025 1:53:58 PM Darren McFatter

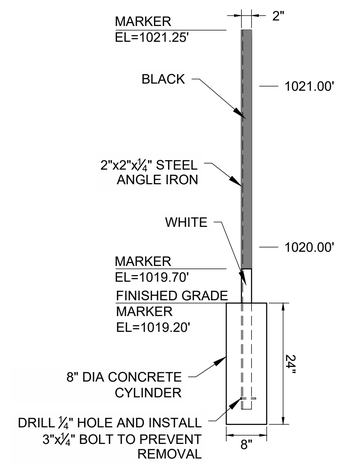
PLOTTED: 7/3/2025 2:06:29 PM



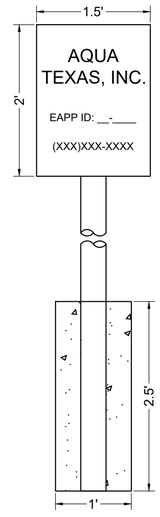
PERFORATED 4", SCHD 40 PVC PIPE WRAPPED IN GEOTEXTILE FABRIC. PERFORATIONS SHALL BE 3/8"Ø AND SHALL NOT BE SPACED MORE THAN 6" APART.



PIPE PERFORATION DETAIL
N.T.S.



SEDIMENT DEPTH MARKER
N.T.S.



POND SIGN DETAIL
N.T.S.

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
WATER QUALITY POND 1

NO:	DESCRIPTION REVISIONS	DATE

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CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 5'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-12

SHEET: 16 OF 23

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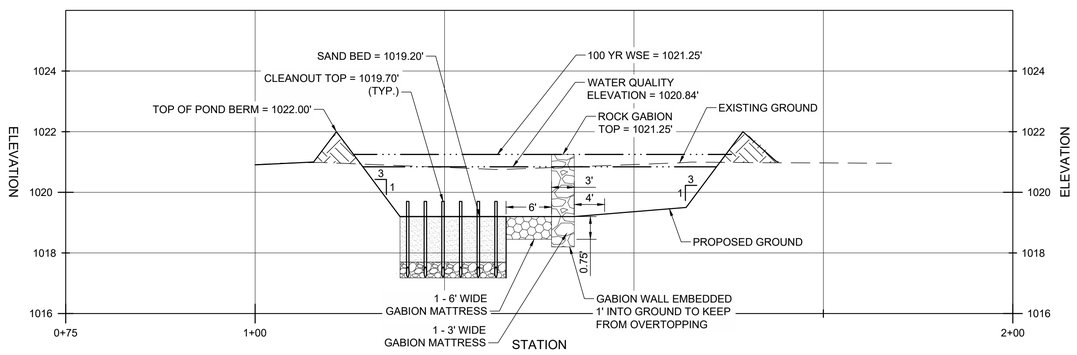
PLOTTED: 7/3/2025 2:06:36 PM

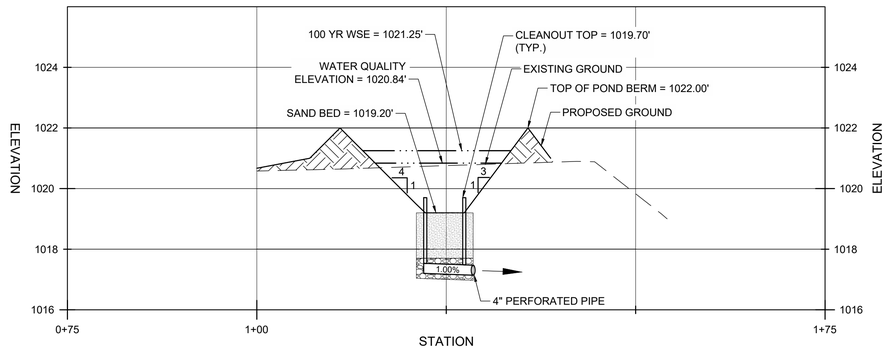
WQ POND 1 SECTION A-A PROFILE

0 10' 20'
HORIZONTAL SCALE: 1" = 10'
0 2.5' 5'
VERTICAL SCALE: 1" = 2.5'



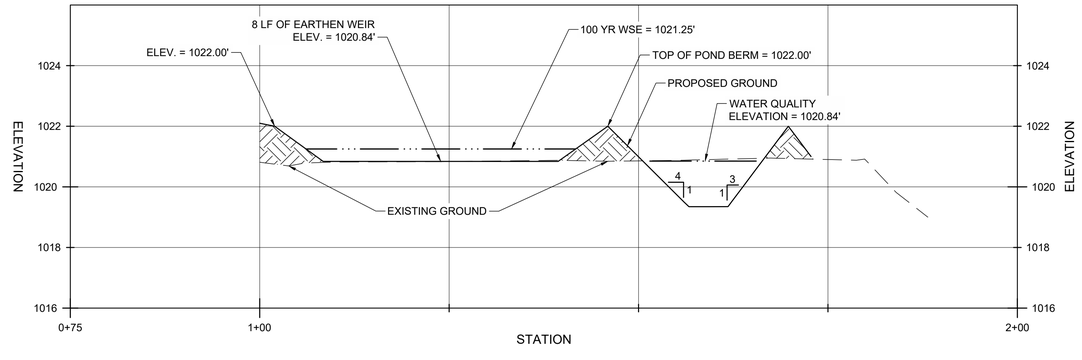
WQ POND 1 SECTION B-B PROFILE

0 10' 20'
HORIZONTAL SCALE: 1" = 10'
0 2.5' 5'
VERTICAL SCALE: 1" = 2.5'

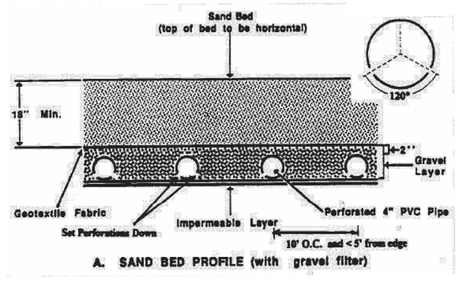


WQ POND 1 SECTION C-C PROFILE

0 10' 20'
HORIZONTAL SCALE: 1" = 10'
0 2.5' 5'
VERTICAL SCALE: 1" = 2.5'



GEOTEXTILE FABRIC SPECIFICATIONS			
PROPERTY	TEST METHOD	UNIT	UNIT
MATERIAL	NONWOVEN GEOTEXTILE FABRIC	OZ / SQ YD	8 (MIN)
UNIT WEIGHT			
FILTRATION RATE		IN / SEC	0.08 (MIN)
PUNCTURE STRENGTH	ASTM D-751 (MODIFIED)	LB	125 (MIN)
MULLEN BURST STRENGTH	ASTM D-751	PSI	400 (MIN)
TENSILE STRENGTH	ASTM D-1682	LB	200 (MIN)
EQUIVALENT OPENING SIZE	US STD SIEVE	NO	80 (MIN)



SAND BED PROFILE W/ GRAVEL FILTER
N.T.S.

NOTE: THE SAND GRAIN SIZE DISTRIBUTION SHOULD BE COMPARABLE TO THAT OF WASHED CONCRETE SAND (i.e., ASTM C-33 FINE AGGREGATE)

POND NOTES

1. POND SHALL BE MAINTAINED ACCORDING TO MAINTENANCE AGREEMENT ON RECORD AT TCEQ.
2. ALL POND BOTTOMS, SIDE SLOPES, AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO NINETY-FIVE (95) PERCENT MAXIMUM DENSITY, IN ACCORDANCE WITH TCEQ RG-348, 3-37. EXCAVATION AND EMBANKMENT SHALL BE IN COMPLIANCE WITH GEOTECHNICAL RECOMMENDATIONS. IF NOT SPECIFICALLY ADDRESSED IN GEOTECHNICAL REPORT, REFERENCE CITY OF AUSTIN SPECIFICATIONS.
3. MAINTENANCE EQUIPMENT ACCESS RAMP SHALL BE 12 FEET WIDE, NOT EXCEEDING 4H:1V.
4. ACCESS DRIVE SHALL BE A MINIMUM OF 12 FEET WIDE AND NOT EXCEED 15% GRADE. ACCESS DRIVE SHALL BE CLEARED, GRADED, AND STABILIZED. (RG-348, 3-38) ACCESS DRIVE SHALL BE STABILIZED WITH 8-INCH ROAD BASE ON PREPARED SUBGRADE, REFER TO GEOTECHNICAL REPORT FOR CONSTRUCTION CONSIDERATIONS FOR SUBGRADE PREPARATION AND BASE COURSE FOR LOCAL STREET SPECIFICATION (8-INCH BASE).
5. BASIN LINING REQUIREMENTS: IMPERMEABLE LINERS ARE NOT REQUIRED OVER THE EDWARDS AQUIFER CONTRIBUTING ZONE. HOWEVER AN IMPERMEABLE LINER SHALL BE USED IF THE PRESENCE OF GROUNDWATER IS DISCOVERED. IMPERMEABLE LINERS MAY BE CLAY, CONCRETE OR GEOMEMBRANE. IF GEOMEMBRANE IS USED, SUITABLE GEOTEXTILE FABRIC (SEE RG-348 TABLE 3-7 PG 3-39) SHOULD BE PLACED ON THE TOP AND BOTTOM OF THE MEMBRANE FOR PUNCTURE PROTECTION AND THE LINERS COVERED WITH A MINIMUM OF 6 INCHES OF COMPACTED TOPSOIL SHOULD BE STABILIZED WITH APPROPRIATE VEGETATION. GEOMEMBRANE LINERS SHOULD HAVE A MINIMUM THICKNESS OF 30 MILS AND BE ULTRAVIOLET RESISTANT. CLAY LINER SHOULD HAVE A MINIMUM THICKNESS OF 12 INCHES AND SHOULD MEET THE SPECIFICATIONS IN TABLE 3-6 OF TCEQ RG-348 PG 3-38. INSTALLATION METHODS VARY ACCORDING TO SITE REQUIREMENTS.
6. SAND AND GRAVEL CONFIGURATION: A FIXED VERTICAL SEDIMENT DEPTH MARKER SHOULD BE INSTALLED IN THE SEDIMENTATION BASIN TO INDICATE WHEN SEDIMENT ACCUMULATION EQUALS 20% OF THE WATER QUALITY VOLUME AND SEDIMENT REMOVAL IS REQUIRED.
7. THE TRENCH DESIGN SAND FILTER IS CONSTRUCTED WITH 12 INCHES OF SAND OVERLYING 1-2 INCHES OF GRAVEL. TO PREVENT MIGRATION OF FINE MATERIAL, THE SAND AND GRAVEL MEDIA ARE SEPARATED BY PERMEABLE GEOTEXTILE FABRIC (SEE PLANS FOR SPECIFICATIONS). GEOTEXTILE FABRIC SHALL OVERLAP A MINIMUM OF 18 INCHES. FOUR-INCH PERFORATED PVC PIPE IS USED TO DRAIN CAPTURED FLOWS FROM THE GRAVEL LAYER. A MINIMUM OF 2 INCHES OF GRAVEL MUST COVER THE TOP SURFACE OF THE PVC PIPE. FIGURE 3-23 PRESENTS A SCHEMATIC REPRESENTATION OF A STANDARD SAND BED PROFILE.
8. SAND PROPERTIES: THE SAND GRAIN SIZE DISTRIBUTION SHOULD BE COMPARABLE TO THAT OF "WASHED CONCRETE SAND" (i.e., ASTM C-33 FINE AGGREGATE).
9. UNDERDRAIN PIPE CONFIGURATION: FILTRATION POND UNDERDRAIN TO CONSIST OF A MIN. OF 4" DIAMETER PERFORATED PVC PIPE AT A MIN. 1.0% GRADE WITH SCREW-ON CLEANOUTS AS SHOWN. UNDERDRAINS SHOULD BE PERFORATED WITH 1/4-1/2 INCH OPENINGS, MAXIMUM SPACING BETWEEN ROWS SHALL BE 6 INCHES CENTER TO CENTER. ALL PVC IS TO BE SCHEDULED 40 PVC. THE MAXIMUM SPACING FOR FILTRATION POND LATERALS SHOULD BE TEN (10) FEET BETWEEN LATERALS AND FIVE (5) FEET FROM A WALL OR SIDE.
10. SAND FILTER DISCHARGE: A VALVE MUST BE INSTALLED SO THAT DISCHARGE FROM THE BMP CAN BE STOPPED IN CASE RUNOFF FROM THE SPILL OF HAZARDOUS MATERIAL ENTERS THE SAND FILTER. THE CONTROL FOR THE VALVE MUST BE ACCESSIBLE AT ALL TIMES, INCLUDING WHEN THE BASIN IS FULL.
11. SAFETY IS PROVIDED BY MANAGING THE CONTOURS OF THE POND TO ELIMINATE DROPOFFS OR OTHER HAZARDS. EARTHEN SIDE SLOPES SHOULD NOT EXCEED 3:1 (H:V) AND SHOULD TERMINATE ON A FLAT SAFETY BENCH AREA.

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
WATER QUALITY POND 1 PROFILES

NO:	DESCRIPTION REVISIONS	DATE

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: AS NOTED

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-13

SHEET: 17 OF 23

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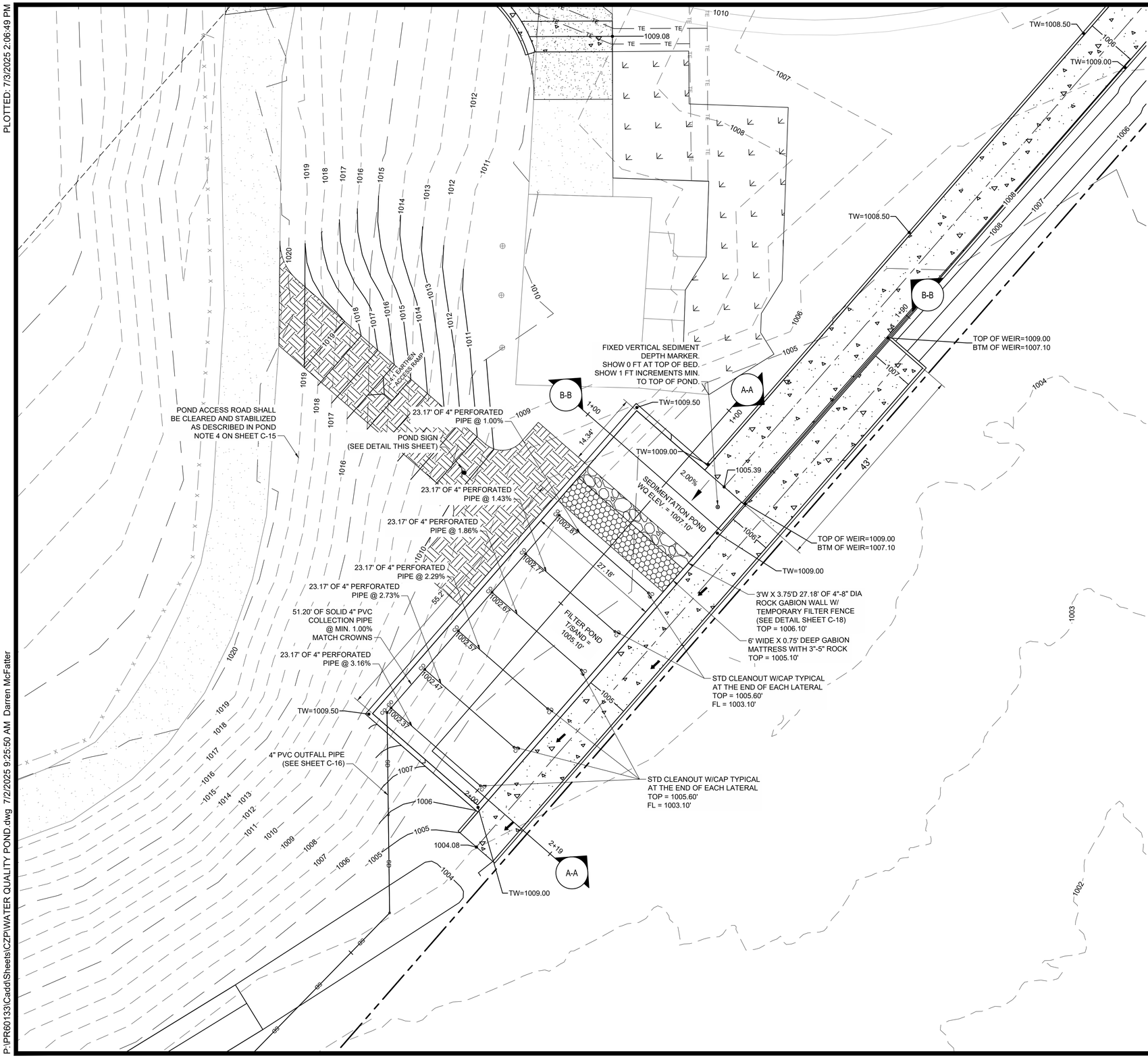
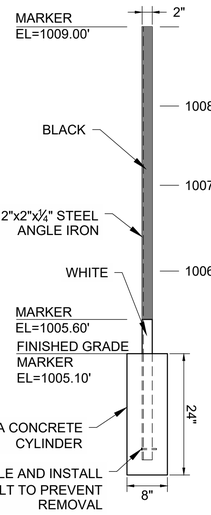
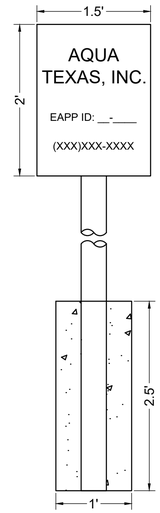


PERFORATED 4", SCHD 40 PVC PIPE WRAPPED IN GEOTEXTILE FABRIC. PERFORATIONS SHALL BE 3/8"Ø AND SHALL NOT BE SPACED MORE THAN 6" APART.

PIPE PERFORATION DETAIL
N.T.S.



SEDIMENT DEPTH MARKER
N.T.S.



POND SIGN DETAIL
N.T.S.

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
WATER QUALITY POND 2

NO:	DESCRIPTION REVISIONS	DATE

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 10'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-14

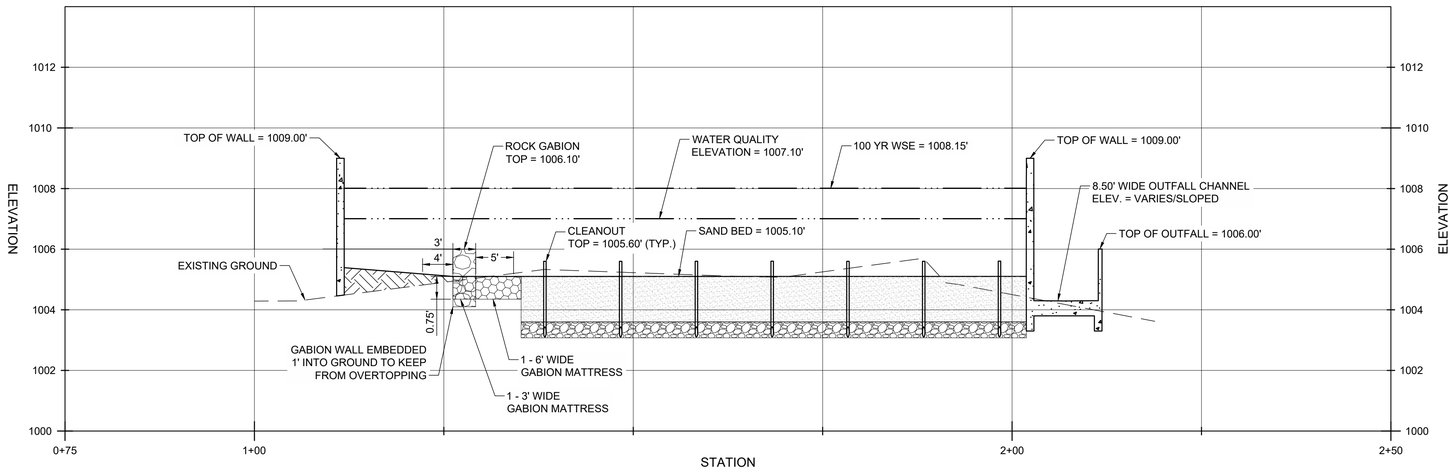
SHEET: 18 OF 23

PLOTTED: 7/3/2025 2:06:55 PM

WQ POND 2 SECTION A-A PROFILE

HORIZONTAL SCALE: 1" = 10'

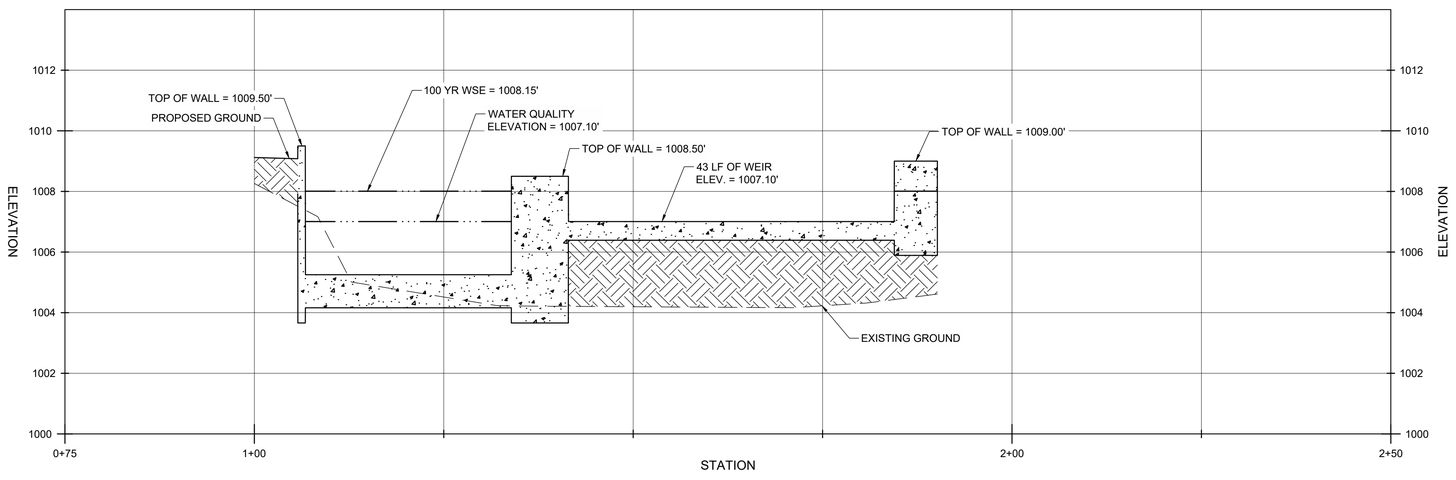
VERTICAL SCALE: 1" = 2.5'



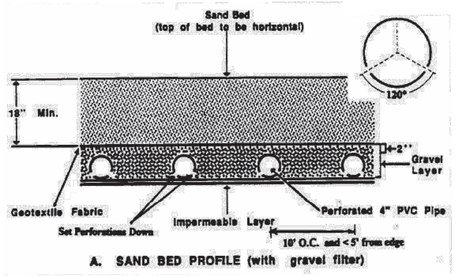
WQ POND 2 SECTION B-B PROFILE

HORIZONTAL SCALE: 1" = 10'

VERTICAL SCALE: 1" = 2.5'



GEOTEXTILE FABRIC SPECIFICATIONS			
PROPERTY	TEST METHOD	UNIT	UNIT
MATERIAL	NONWOVEN GEOTEXTILE FABRIC	OZ / SQ YD	8 (MIN)
UNIT WEIGHT			
FILTRATION RATE		IN / SEC	0.08 (MIN)
PUNCTURE STRENGTH	ASTM D-751 (MODIFIED)	LB	125 (MIN)
MULLEN BURST STRENGTH	ASTM D-751	PSI	400 (MIN)
TENSILE STRENGTH	ASTM D-1682	LB	200 (MIN)
EQUIVALENT OPENING SIZE	US STD SIEVE	NO	80 (MIN)



SAND BED PROFILE W/ GRAVEL FILTER

N.T.S.

NOTE: THE SAND GRAIN SIZE DISTRIBUTION SHOULD BE COMPARABLE TO THAT OF WASHED CONCRETE SAND (i.e., ASTM C-33 FINE AGGREGATE)

POND NOTES

1. POND SHALL BE MAINTAINED ACCORDING TO MAINTENANCE AGREEMENT ON RECORD AT TCEQ.
2. ALL POND BOTTOMS, SIDE SLOPES, AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO NINETY-FIVE (95) PERCENT MAXIMUM DENSITY, IN ACCORDANCE WITH TCEQ RG-348, 3-37. EXCAVATION AND EMBANKMENT SHALL BE IN COMPLIANCE WITH GEOTECHNICAL RECOMMENDATIONS. IF NOT SPECIFICALLY ADDRESSED IN GEOTECHNICAL REPORT, REFERENCE CITY OF AUSTIN SPECIFICATIONS.
3. MAINTENANCE EQUIPMENT ACCESS RAMP SHALL BE 12 FEET WIDE, NOT EXCEEDING 4H:1V.
4. ACCESS DRIVE SHALL BE A MINIMUM OF 12 FEET WIDE AND NOT EXCEED 15% GRADE. ACCESS DRIVE SHALL BE CLEARED, GRADED, AND STABILIZED. (RG-348, 3-38) ACCESS DRIVE SHALL BE STABILIZED WITH 8-INCH ROAD BASE ON PREPARED SUBGRADE, REFER TO GEOTECHNICAL REPORT FOR CONSTRUCTION CONSIDERATIONS FOR SUBGRADE PREPARATION AND BASE COURSE FOR LOCAL STREET SPECIFICATION (8-INCH BASE).
5. BASIN LINING REQUIREMENTS: IMPERMEABLE LINERS ARE NOT REQUIRED OVER THE EDWARDS AQUIFER CONTRIBUTING ZONE. HOWEVER AN IMPERMEABLE LINER SHALL BE USED IF THE PRESENCE OF GROUNDWATER IS DISCOVERED. IMPERMEABLE LINERS MAY BE CLAY, CONCRETE OR GEOMEMBRANE. IF GEOMEMBRANE IS USED, SUITABLE GEOTEXTILE FABRIC (SEE RG-348 TABLE 3-7 PG 3-39) SHOULD BE PLACED ON THE TOP AND BOTTOM OF THE MEMBRANE FOR PUNCTURE PROTECTION AND THE LINERS COVERED WITH A MINIMUM OF 6 INCHES OF COMPACTED TOPSOIL SHOULD BE STABILIZED WITH APPROPRIATE VEGETATION. GEOMEMBRANE LINERS SHOULD HAVE A MINIMUM THICKNESS OF 30 MILS AND BE ULTRAVIOLET RESISTANT. CLAY LINER SHOULD HAVE A MINIMUM THICKNESS OF 12 INCHES AND SHOULD MEET THE SPECIFICATIONS IN TABLE 3-6 OF TCEQ RG-348 PG 3-38. INSTALLATION METHODS VARY ACCORDING TO SITE REQUIREMENTS.
6. SAND AND GRAVEL CONFIGURATION: A FIXED VERTICAL SEDIMENT DEPTH MARKER SHOULD BE INSTALLED IN THE SEDIMENTATION BASIN TO INDICATE WHEN SEDIMENT ACCUMULATION EQUALS 20% OF THE WATER QUALITY VOLUME AND SEDIMENT REMOVAL IS REQUIRED.
7. THE TRENCH DESIGN SAND FILTER IS CONSTRUCTED WITH 12 INCHES OF SAND OVERLYING 1-2 INCHES OF GRAVEL. TO PREVENT MIGRATION OF FINE MATERIAL, THE SAND AND GRAVEL MEDIA ARE SEPARATED BY PERMEABLE GEOTEXTILE FABRIC (SEE PLANS FOR SPECIFICATIONS). GEOTEXTILE FABRIC SHALL OVERLAP A MINIMUM OF 18 INCHES. FOUR-INCH PERFORATED PVC PIPE IS USED TO DRAIN CAPTURED FLOWS FROM THE GRAVEL LAYER. A MINIMUM OF 2 INCHES OF GRAVEL MUST COVER THE TOP SURFACE OF THE PVC PIPE. FIGURE 3-23 PRESENTS A SCHEMATIC REPRESENTATION OF A STANDARD SAND BED PROFILE.
8. SAND PROPERTIES: THE SAND GRAIN SIZE DISTRIBUTION SHOULD BE COMPARABLE TO THAT OF "WASHED CONCRETE SAND" (i.e., ASTM C-33 FINE AGGREGATE).
9. UNDERDRAIN PIPE CONFIGURATION: FILTRATION POND UNDERDRAIN TO CONSIST OF A MIN. OF 4" DIAMETER PERFORATED PVC PIPE AT A MIN. 1.0% GRADE WITH SCREW-ON CLEANOUTS AS SHOWN. UNDERDRAINS SHOULD BE PERFORATED WITH 1/4-1/2 INCH OPENINGS, MAXIMUM SPACING BETWEEN ROWS SHALL BE 6 INCHES CENTER TO CENTER. ALL PVC IS TO BE SCHEDULED 40 PVC. THE MAXIMUM SPACING FOR FILTRATION POND LATERALS SHOULD BE TEN (10) FEET BETWEEN LATERALS AND FIVE (5) FEET FROM A WALL OR SIDE.
10. SAND FILTER DISCHARGE: A VALVE MUST BE INSTALLED SO THAT DISCHARGE FROM THE BMP CAN BE STOPPED IN CASE RUNOFF FROM THE SPILL OF HAZARDOUS MATERIAL ENTERS THE SAND FILTER. THE CONTROL FOR THE VALVE MUST BE ACCESSIBLE AT ALL TIMES, INCLUDING WHEN THE BASIN IS FULL.
11. SAFETY IS PROVIDED BY MANAGING THE CONTOURS OF THE POND TO ELIMINATE DROPOFFS OR OTHER HAZARDS. EARTHEN SIDE SLOPES SHOULD NOT EXCEED 3:1 (H:V) AND SHOULD TERMINATE ON A FLAT SAFETY BENCH AREA.

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
WATER QUALITY POND 2 PROFILES

NO:	DESCRIPTION	DATE
	REVISIONS	

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	AS NOTED

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-15

SHEET: 19 OF 23

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PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
WATER QUALITY POND OUTFALLS

NO:	DESCRIPTION	DATE
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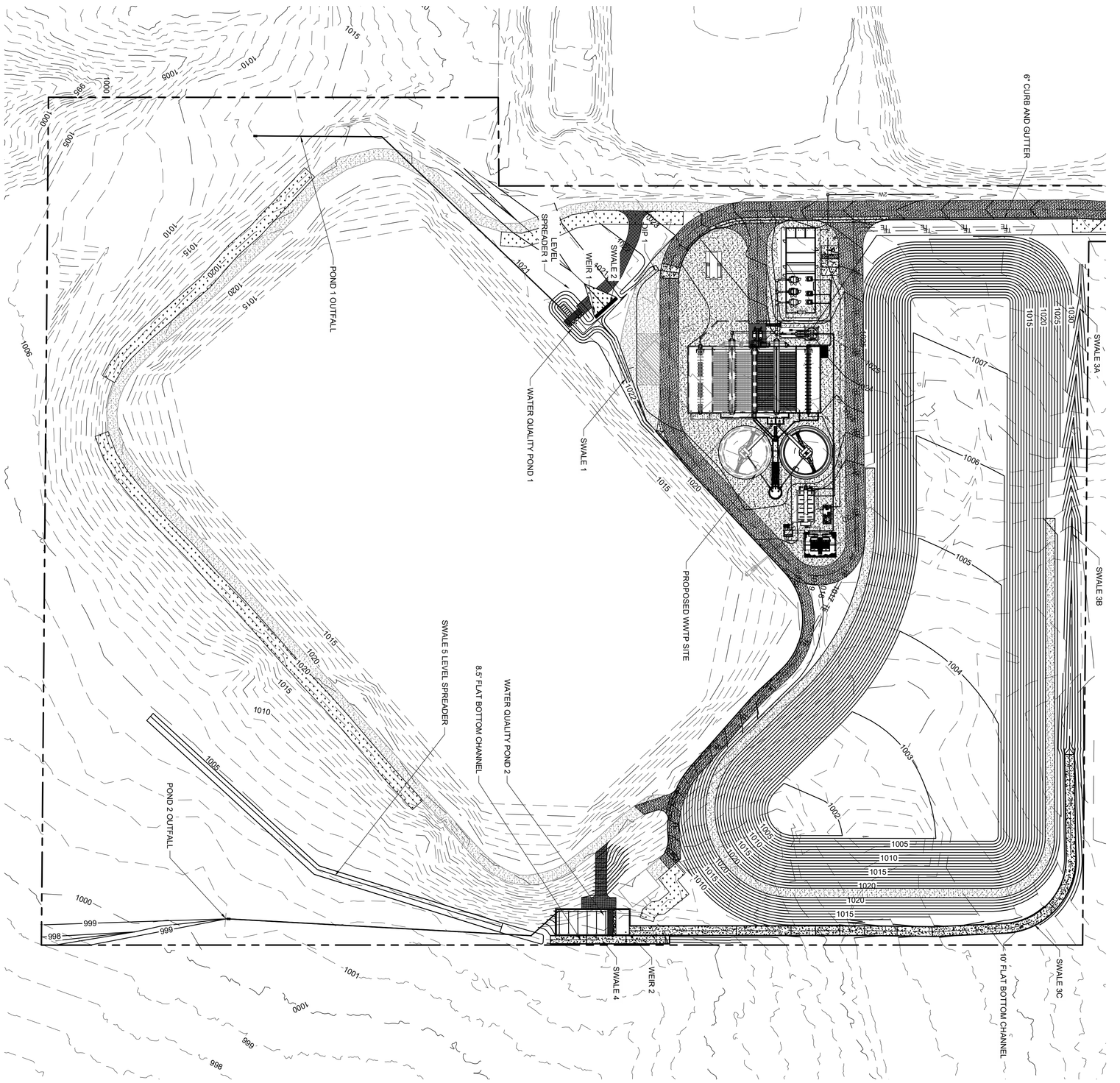
SCALE:	AS NOTED

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED
PROFESSIONAL ENGINEER

C-16

SHEET: 20 OF 23



LEGEND

- PROPERTY BOUNDARY
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- VEGETATIVE FILTER STRIP

JOB NO:	PR60133	
DATE:	July 2025	
DESIGNED BY:	JB, CC, DM	
DRAWN BY:	JB, CC, DM	
CHECKED BY:	LBB	
APPROVED BY:	LBB	
SCALE:	1" = 60'	

NO:	DESCRIPTION	DATE
	REVISIONS	

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
WATER QUALITY MAP

AQUA TEXAS, INC

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
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PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

LAUREN BARZILLA
110483
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

SHEET: 21 OF 23

C-17

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POND 1 WEIR 1

Outfall Structure			Elev.	(ft)	1020.00	2-YR 1020.84	1021.25	25-YR 1021.62	1021.75	100-YR 1021.25	1022.00
Broad Crested Weir(s)											
Weir #	Length (ft)	Weir Crest Elevation (ft)		C							
1 (Concrete)	30.90	1020.84	Q = CLd^1.5	2.3	0.00	0.00	18.39	48.50	61.29	18.39	88.33
			Total Discharge	**(cfs)**	**0.00**	**0.00**	**18.39**	**12.56**	**61.29**	**18.39**	**88.33**

POND 2 WEIR 2

Outfall Structure			Elev.	(ft)	1007.50	2-YR 1007.10	1007.39	25-YR 1007.90	1008.00	100-YR 1008.15	1009.00
Broad Crested Weir(s)											
Weir #	Length (ft)	Weir Crest Elevation (ft)		C							
2 (Concrete)	43.00	1007.10	Q = CLd^1.5	2.3	0.00	0.00	15.84	71.62	85.13	107.66	260.02
			Total Discharge	**(cfs)**	**0.00**	**0.00**	**15.84**	**71.62**	**85.13**	**107.66**	**260.02**

Pond 1 Stage-Storage Table

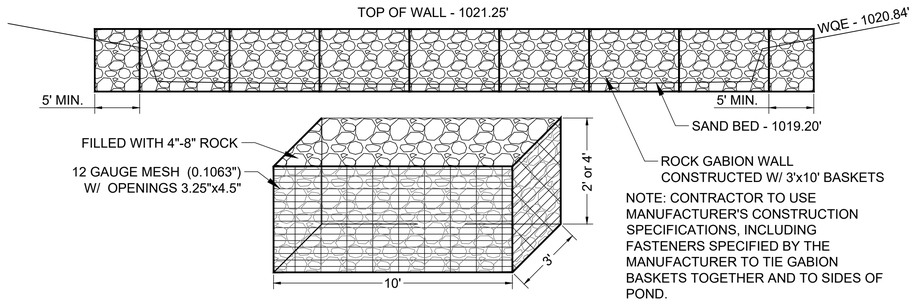
Elev	Area	Inc. Vol.	Cum. Vol.	Cum. Vol	Area
ft	sf	cf	cf	gal	acre
1019.2	77	0	0	0	0.0018
1019.5	208	43	43	320	0.0048
1020	340	137	180	1,345	0.0078
1020.84	1,241	667	847	6,336	0.0285
1021	1,408	207	1,054	7,882	0.0323
1021.25	1,787	399	1,453	10,869	0.0410
1021.5	2,165	494	1,947	14,564	0.0497

Pond 2 Stage-Storage Table

Elev	Area	Inc. Vol.	Cum. Vol.	Cum. Vol	Area
ft	sf	cf	cf	gal	acre
1005.1	1,745	0	0	0	0.0401
1005.39	2,135	563	563	4,208	0.0490
1006	2,135	1,302	1,865	13,950	0.0490
1007	2,135	2,135	4,000	29,920	0.0490
1007.10	2,135	203	4,203	31,438	0.0490
1007.39	2,135	630	4,833	36,148	0.0490
1008	2,135	1,302	6,135	45,889	0.0490
1008.5	2,135	1,068	7,202	53,874	0.0490

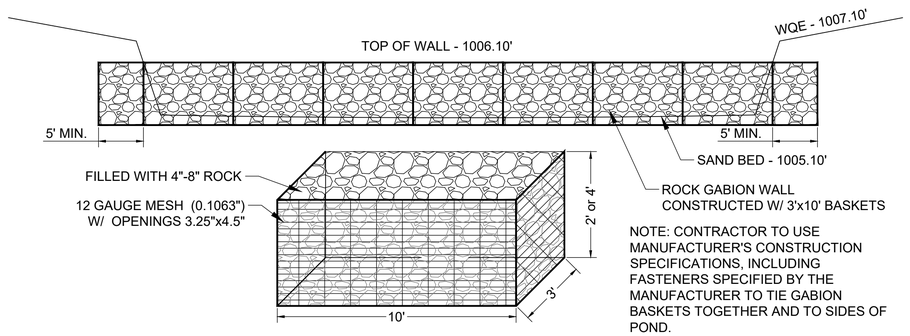
GABION WALL NOTES

1. STONE: STONE FILL MATERIAL SHALL CONSIST OF HARD, DURABLE, CLEAN STONE OF THE SIZE INDICATED. 4 TO 8 INCHES IN SIZE OR PER MANUFACTURER SPECS. AS APPROVED BY THE ENGINEER AND RESISTANT TO THE ACTION OF AIR AND WATER AND SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.
2. WIRE CONTAINERS: WIRE MESH SHALL CONSIST OF PLASTIC COATED (PVC) GALVANIZED WIRE 0.120 INCH IN DIAMETER MINIMUM AND SHALL EQUAL OR EXCEED FEDERAL SPECIFICATION QQ-W-481g CLASS 3 UNLESS OTHERWISE INDICATED. OPENING OF THE MESH SHALL NOT EXCEED APPROXIMATELY 3.25 INCHES IN THE LARGEST DIMENSION. THE WIRE MESH IS TO BE FABRICATED IN SUCH A MANNER AS TO BE NONRAVELLING. TIE AND CONNECTING WIRE SHALL BE OF THE SAME TYPE AND SIZE AS THE BASKETS AND SHALL BE SUPPLIED IN SUFFICIENT QUANTITY FOR SECURELY FASTENING ALL EDGES OF THE GABION AND DIAPHRAGMS.
3. FILTER FABRIC: FILTER FABRIC SHALL BE NON-BIODEGRADABLE ULTRAVIOLET STABILIZED, INERT TO MOST SOIL CHEMICALS, UNAFFECTED BY MOISTURE WHICH ALLOWS WATER TO PASS THROUGH WHILE RETAINING SOIL PARTICLES AND SHALL CONFORM TO ITEM NO. 620, "FILTER FABRIC".



NOTE: CONTRACTOR TO USE MANUFACTURER'S CONSTRUCTION SPECIFICATIONS, INCLUDING FASTENERS SPECIFIED BY THE MANUFACTURER TO TIE GABION BASKETS TOGETHER AND TO SIDES OF POND.

POND 1 GABION WALL DETAIL
N.T.S.



NOTE: CONTRACTOR TO USE MANUFACTURER'S CONSTRUCTION SPECIFICATIONS, INCLUDING FASTENERS SPECIFIED BY THE MANUFACTURER TO TIE GABION BASKETS TOGETHER AND TO SIDES OF POND.

POND 2 GABION WALL DETAIL
N.T.S.

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009 **Project Name: Woodcreek WWTP**
POND 1 **Date Prepared: 6/3/2025**

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

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

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

where: $L_{M\ TOTAL\ PROJECT}$ = 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 =	**Hays**		
Total project area included in plan * =	**23.57**	acres	
Predevelopment impervious area within the limits of the plan * =	**2.31**	acres	2.50886134
Total post-development impervious area within the limits of the plan* =	**2.80**	acres	2.80399311
Total post-development impervious cover fraction * =	**0.12**		
P =	**33**	inches	
$L_{M\ TOTAL\ PROJECT}$ =	**446**	lbs.	

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

Number of drainage basins / outfalls areas leaving the plan area = **11**

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

Drainage Basin/Outfall Area No. = **A1-4**

Total drainage basin/outfall area =	**2.04**	acres
Predevelopment impervious area within drainage basin/outfall area =	**0.64**	acres
Post-development impervious area within drainage basin/outfall area =	**1.10**	acres
Post-development impervious fraction within drainage basin/outfall area =	**0.54**	
$L_{M\ THIS\ BASIN}$ =	**415**	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Sand Filter**
Removal efficiency = **89** 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 =	**2.04**	acres
A_I =	**1.10**	acres
A_P =	**0.93**	acres
L_R =	**1137**	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = **415** lbs.

F = **0.37**

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 =	**0.25**	inches
Post Development Runoff Coefficient =	**0.38**	
On-site Water Quality Volume =	**706**	cubic feet

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

Off-site area draining to BMP =	**0.00**	acres
Off-site Impervious cover draining to BMP =	**0.00**	acres
Impervious fraction of off-site area =	**0**	
Off-site Runoff Coefficient =	**0.00**	
Off-site Water Quality Volume =	**0**	cubic feet
Storage for Sediment =	**141**	
Total Capture Volume (required water quality volume(s) x 1.20) =	**847**	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.

7. Retention/Irrigation System Designed as Required in RG-348 Pages 3-42 to 3-46

Required Water Quality Volume for retention basin = **NA** cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate =	**0.1**	in/hr	**Enter determined permeability rate or assumed value of 0.1**
Irrigation area =	**NA**	square feet	
	NA	acres	

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

Required Water Quality Volume for extended detention basin = **NA** cubic feet

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	**847**	cubic feet	
Minimum filter basin area =	**39**	square feet	
Maximum sedimentation basin area =	**353**	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =	**88**	square feet	**For maximum water depth of 8 feet**

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	**847**	cubic feet	
Minimum filter basin area =	**71**	square feet	
Maximum sedimentation basin area =	**282**	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =	**18**	square feet	**For maximum water depth of 8 feet**

16. Vegetated Filter Strips Designed as Required in RG-348 Pages 3-55 to 3-57

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

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

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009 **Project Name: Woodcreek WWTP**
POND 2 **Date Prepared: 6/3/2025**

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
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Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

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

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

where: $L_{M\ TOTAL\ PROJECT}$ = 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 =	**Hays**		
Total project area included in plan * =	**23.57**	acres	
Predevelopment impervious area within the limits of the plan * =	**2.31**	acres	
Total post-development impervious area within the limits of the plan* =	**2.80**	acres	
Total post-development impervious cover fraction * =	**0.12**		
P =	**33**	inches	
$L_{M\ TOTAL\ PROJECT}$ =	**446**	lbs.	

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

Number of drainage basins / outfalls areas leaving the plan area = **11**

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

Drainage Basin/Outfall Area No. = **B1-B5**

Total drainage basin/outfall area =	**18.29**	acres
Predevelopment impervious area within drainage basin/outfall area =	**1.98**	acres
Post-development impervious area within drainage basin/outfall area =	**2.48**	acres
Post-development impervious fraction within drainage basin/outfall area =	**0.14**	
$L_{M\ THIS\ BASIN}$ =	**453**	lbs.

0.26768825

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Sand Filter**
Removal efficiency = **89** 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 =	**2.94**	acres
A_I =	**0.97**	acres
A_P =	**1.98**	acres
L_R =	**1015**	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = **453** lbs.

F = **0.45**

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 =	**0.36**	inches
Post Development Runoff Coefficient =	**0.27**	
On-site Water Quality Volume =	**1040**	cubic feet

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

Off-site area draining to BMP =	**15.35**	acres
Off-site Impervious cover draining to BMP =	**1.51**	acres
Impervious fraction of off-site area =	**0.10**	
Off-site Runoff Coefficient =	**0.12**	
Off-site Water Quality Volume =	**2462**	cubic feet
Storage for Sediment =	**700**	
Total Capture Volume (required water quality volume(s) x 1.20) =	**4203**	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.

7. Retention/Irrigation System Designed as Required in RG-348 Pages 3-42 to 3-46

Required Water Quality Volume for retention basin = **NA** cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate =	**0.1**	in/hr	**Enter determined permeability rate or assumed value of 0.1**
Irrigation area =	**NA**	square feet	
	NA	acres	

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

Required Water Quality Volume for extended detention basin = **NA** cubic feet

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	**4203**	cubic feet	
Minimum filter basin area =	**58**	square feet	
Maximum sedimentation basin area =	**520**	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =		square feet	**For maximum water depth of 8 feet**

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	**4203**	cubic feet	
Minimum filter basin area =	**104**	square feet	
Maximum sedimentation basin area =	**416**	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =	**26**	square feet	**For maximum water depth of 8 feet**

16. Vegetated Filter Strips Designed as Required in RG-348 Pages 3-55 to 3-57

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

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

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AQUA
AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
WATER QUALITY CALCULATIONS

NO:	DESCRIPTION	DATE
	REVISIONS	

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: NONE

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-18

SHEET: 22 OF 23

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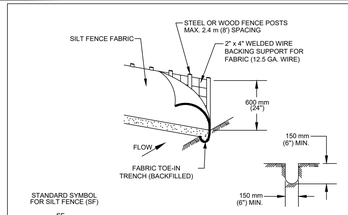
Darren McFatter
P:\PR60133\Cadd\Sheets\CZP\GRADING, DRAINAGE, AND EROSION CONTROL DETAILS.dwg 11/18/2024 2:19:20 PM



1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 inches) DEPTH, USE STEEL POSTS.

2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.

3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 inches) DEEP AND 150 mm (6 inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

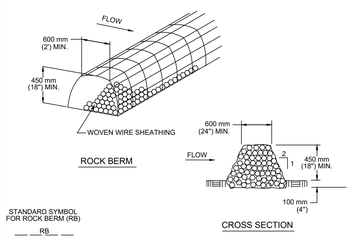
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.

5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

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

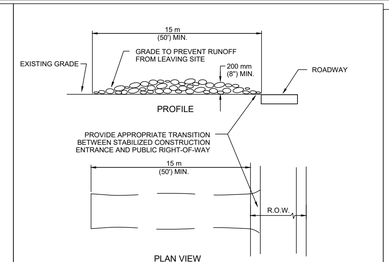
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE	
RECORD COPY SIGNED BY MORGAN BYARS 09/01/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 642S-1



NOTES:
1. USE ONLY OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR ALL CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE).
3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED,THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	ROCK BERM	
RECORD COPY SIGNED BY MORGAN BYARS 8/24/2010 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 639S-1

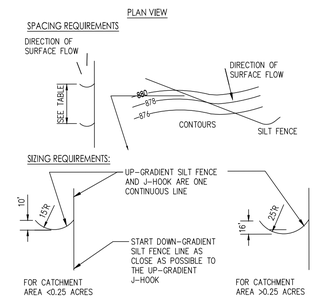


NOTES:
1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STABILIZED CONSTRUCTION ENTRANCE	
RECORD COPY SIGNED BY J. PATRICK MURPHY 6/25/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 641S-1

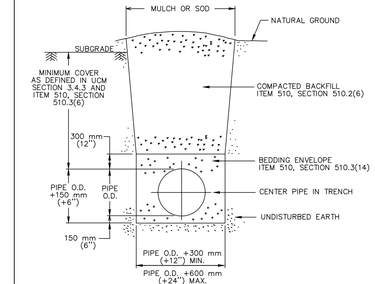
RECOMMENDED SILT FENCE SPACING ON SLOPPING SITES

SLOPE ANGLE	SOIL TYPE SILTY	CLAYS	SANDY
VERY STEEP (2:1)	50 FT.	75 FT.	100 FT.
STEEP (1:1)	75 FT.	100 FT.	125 FT.
MODERATE (4:1)	100 FT.	125 FT.	150 FT.
SLIGHT (10:1)	125 FT.	150 FT.	200 FT.



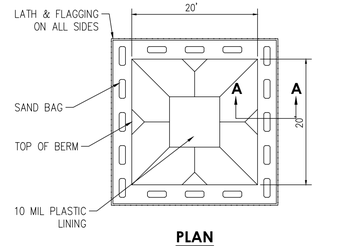
J-HOOK PLACEMENT DETAILS

For more information see the LCRA WATER QUALITY MANAGEMENT TECHNICAL MANUAL
For questions or information call LCRA at (800) 776-5272 ext. 2324 or visit www.lcra.org

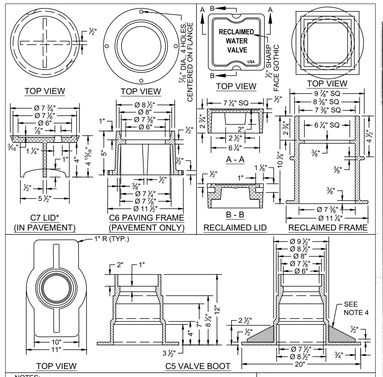


REFERENCES:
1. UTILITY CRITERIA MANUAL SECTION 3.4.3, "FINAL DESIGN"
2. STANDARD SPECIFICATION MANUAL ITEM 510, SECTION 510.2(6), "SELECT BACKFILL OR BORROW"; SECTION 510.3(6), "TRENCH DEPTH AND DEPTH OF COVER"; SECTION 510.3(14), "PIPE BEDDING ENVELOPE"

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	TYPICAL TRENCH DETAIL WITH UNFINISHED SURFACE	
RECORD COPY SIGNED BY BILL GARDNER 03/13/06 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 510S-5



CONCRETE WASHOUT AREA

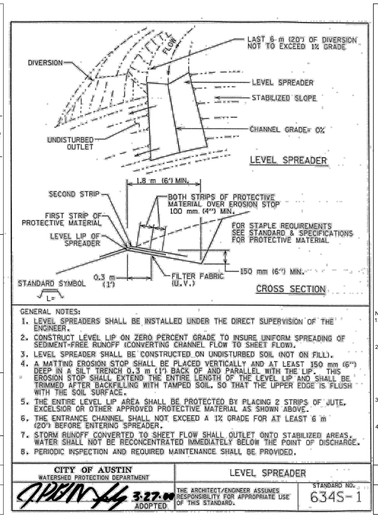


NOTES:
1. MATERIAL SHALL BE GRAY CAST IRON, ASTM A48, GRADE 30B.
2. THE MANUFACTURER'S IDENTIFICATION AND CASTING NUMBER, AND THE COUNTRY WHERE CAST, SHALL BE DISTINCTLY CAST ONTO EACH LID, FRAME, COLLAR AND BASE.
3. DRAFT AND SHRINKAGE ALLOWANCE SHALL BE IN ACCORDANCE WITH NORMAL FOUNDRY PRACTICE.
4. CASTING FINISH BY MANUFACTURER SHALL INCLUDE REMOVAL OF FINS AND FLASHING, AND PAINT WITH BLACK ASPHALT COATING.

WEIGHTS:
C7 LID: 13 LBS
RECLAIMED LID: 15 LBS
C6 FRAME: 23 LBS
RECLAIMED FRAME: 33 LBS
C5 BASE: 78 LBS

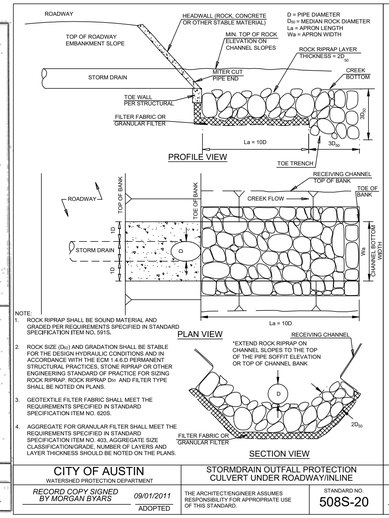
* LETTERING SHALL BE 1 ½"
2 PICK BAR SLOTS REQUIRED

MODIFIED	TYPICAL GATE VALVE 4" - 16"	
RECORD COPY SIGNED ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



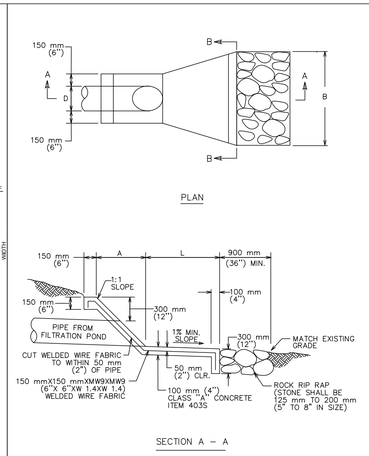
GENERAL NOTES:
1. LEVEL SPREADERS SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF THE ENGINEER.
2. CONSTRUCT LEVEL LIP ON ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF SEDIMENT-FREE RUNOFF (CONVERTING CHANNEL FLOW TO SHEET FLOW).
3. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL (NOT ON FILL).
4. A MATTING EROSION STOP SHALL BE PLACED VERTICALLY AND AT LEAST 150 mm (6") DEEP IN A SLIT TRENCH 0.3 m (1') BACK OF AND PARALLEL WITH THE LIP. THIS EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP AND SHALL BE TRIMMED AFTER BACKFILLING WITH TAMPED SOIL, SO THAT THE UPPER EDGE IS FLUSH WITH THE SOIL SURFACE.
5. THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING 2 STRIPS OF JUTE, EXCELSIOR OR OTHER APPROVED PROTECTIVE MATERIAL AS SHOWN ABOVE.
6. THE ENTRANCE CHANNEL SHALL NOT EXCEED A 1% GRADE FOR AT LEAST 6 m (20') BEFORE ENTERING SPREADER.
7. STORM RUNOFF CONVERTED TO SHEET FLOW SHALL OUTLET ONTO STABILIZED AREAS. WATER SHALL NOT BE RECONCENTRATED IMMEDIATELY BELOW THE POINT OF DISCHARGE.
8. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	LEVEL SPREADER	
3-27-09 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 634S-1

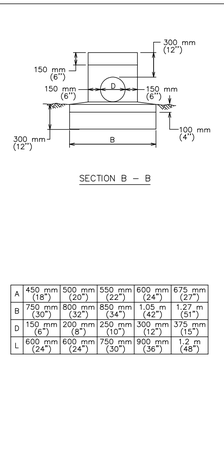


NOTE:
1. ROCK RIPRAP SHALL BE SOUND MATERIAL AND GRADED PER REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 591S.
2. ROCK SIZE (D_{50}) AND GRADATION SHALL BE STABLE FOR THE DESIGN HYDRAULIC CONDITIONS AND IN ACCORDANCE WITH THE ECM 1.4.6 D PERMANENT STRUCTURAL PRACTICES, STONE RIPRAP OR OTHER ENGINEERING STANDARD OF PRACTICE FOR SIZING ROCK RIPRAP. ROCK RIPRAP D50 AND FILTER TYPE SHALL BE NOTED ON PLANS.
3. GEOTEXTILE FILTER FABRIC SHALL MEET THE REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 620S.
4. AGGREGATE FOR GRANULAR FILTER SHALL MEET THE REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 403. AGGREGATE SIZE CLASSIFICATION/GRADE, NUMBER OF LAYERS AND LAYER THICKNESS SHOULD BE NOTED ON THE PLANS.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STORMDRAIN OUTFALL PROTECTION CULVERT UNDER ROADWAY/INLINE	
RECORD COPY SIGNED BY MORGAN BYARS 09/01/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 508S-20



CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	HEADWALL FOR FILTRATION PONDS W/OUTFALL PIPE 150 mm (6") TO 375 mm (15") DIA.	
RECORD COPY SIGNED BY GEORGE E. OSWALD 3/15/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 508S-15 1 OF 2



	450 mm (18")	500 mm (20")	550 mm (22")	600 mm (24")	675 mm (27")
A	450 mm (18")	500 mm (20")	550 mm (22")	600 mm (24")	675 mm (27")
B	750 mm (30")	800 mm (32")	850 mm (34")	1.05 m (42")	1.27 m (51")
D	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	375 mm (15")
L	600 mm (24")	600 mm (24")	750 mm (30")	900 mm (36")	1.2 m (48")

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	HEADWALL FOR FILTRATION PONDS W/OUTFALL PIPE 150 mm (6") TO 375 mm (15") DIA.	
RECORD COPY SIGNED BY GEORGE E. OSWALD 3/15/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 508S-15 2 OF 2

BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA
AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER TREATMENT EXPANSION
WATER QUALITY POND CZP
DETAILS

NO:	DESCRIPTION	DATE
	REVISIONS	

JOB NO: PR60133
DATE: July 2025
DESIGNED BY: JB, CC, DM
DRAWN BY: JB, CC, DM
CHECKED BY: LBB
APPROVED BY: LBB
SCALE: NONE

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-19

SHEET: 23 OF 23

ATTACHMENT N: Inspection, Maintenance, Repair, and Retrofit Plan

ATTACHMENT N – INSPECTION, MAINTENANCE, REPAIR, AND RETROFIT PLAN

The owner/operator is obligated to provide all the maintenance activities required to maintain the function of the Engineered Filter System and Sand Filter System. Maintenance guidelines are outlined below. This inspection and maintenance plan has been reproduced as it is outlined in the TCEQ Edwards Aquifer Technical Guidance Manual, Section 3.5 Maintenance Guidelines, 3.5.8 Vegetative Filter Strips, and 3.5.9 Sand Filter Systems dated July 2005. The owner/operator must maintain records of all maintenance activities for the most recent 3 years and must be made available to the TCEQ upon Request.

3.5.8 Vegetative Filter Strips

Once a vegetated area is well established, little additional maintenance is generally necessary. The key to establishing a viable vegetated feature is the care and maintenance it receives in the first few months after it is plant ed. Once established, all vegetated BMPs require some basic maintenance to insure the health of the plants including:

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

- *Seasonal Mowing and Lawn Care.* If the filter strip is made up of turf grass, it should be mowed as needed to limit vegetation height to 18 inches, using a mulching mower (or removal of clippings). If native grasses are used, the filter may require less frequent mowing, but a minimum of twice annually. Grass clippings and brush debris should not be deposited on vegetated filter strip areas. Regular mowing should also include weed control practices, however herbicide use should be kept to a minimum (Urbonas et al., 1992). Healthy grass can be maintained without using fertilizers because runoff usually contains sufficient nutrients. Irrigation of the site can help assure a dense and healthy vegetative cover.

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

- *Debris and Litter Removal.* Trash tends to accumulate in vegetated areas, particularly along highways. Any filter strip structures (i.e. level spreaders) should be kept free of obstructions to reduce floatables being flushed downstream, and for aesthetic reasons. The need for this practice is determined through periodic inspection, but should be performed no less than 4 times per year.

- *Sediment Removal.* Sediment removal is not normally required in filter strips, since the vegetation normally grows through it and binds it to the soil. However, sediment may accumulate along the upstream boundary of the strip preventing uniform overland flow. Excess sediment should be removed by hand or with flat-bottomed shovels.

- *Grass Reseeding and Mulching.* A healthy dense grass should be maintained on the filter strip. If areas are eroded, they should be filled, compacted, and reseeded so that the final grade is level. Grass damaged during the sediment removal process should be promptly replaced using the same seed mix used during filter strip establishment. If possible, flow should be diverted from the damaged areas until the grass is firmly established. Bare spots and areas of erosion identified during semi-annual inspections must be replanted and restored to meet specifications. Corrective maintenance, such as weeding or replanting should be done more frequently in the first two to three years after installation to ensure stabilization. Dense vegetation may require irrigation immediately after planting, and during particularly dry periods, particularly as the vegetation is initially established.

3.5.9 Sand Filter Systems

Regular, routine maintenance is essential to effective, long-lasting performance of sand filters. Neglect or failure to service the filters on a regular basis will lead to poor performance and eventual costly repairs. It is recommended that sand filter BMPs be inspected on a quarterly basis and after large storms for the first year of operation. This intensive monitoring is intended to ensure proper operation and provide maintenance personnel with a feel for the operational characteristics of the filter. Subsequent inspections can be limited to semi-annually or more often if deemed necessary (Young et al., 1996).

Certain construction and maintenance practices are essential to efficient operation of the filter. The biggest threat to any filtering system is exposure to heavy sediment loads that clog the filter media. Construction within the watershed should be complete prior to exposing the filter to stormwater runoff. All exposed areas should be stabilized to minimize sediment loads. Runoff from any unstabilized construction areas should be treated via a separate sediment system that bypasses the filter media. Another important consideration in constructing the filter bed is to ensure that the top of the media is completely level. The filter design is based on the use of the entire filter media surface area; a sloped filter surface would result in disproportionate use of the filter media.

Other recommended maintenance guidelines include:

- *Inspections.* BMP facilities must be inspected at least twice a year (once during or immediately following wet weather) to evaluate facility operation. During each inspection, erosion areas inside and downstream of the BMP must be identified and repaired or revegetated immediately. With each inspection, any damage to the structural elements of the system (pipes, concrete drainage structures, retaining walls, etc.) must be identified and repaired immediately. Cracks, voids and undermining should be patched/filled to prevent additional structural damage. Trees and root systems should be removed to prevent growth in cracks and joints that can cause structural damage.

- *Sediment Removal.* Remove sediment from the inlet structure and sedimentation chamber when sediment buildup reaches a depth of 6 inches or when the proper functioning of inlet and outlet structures is impaired. Sediment should be cleared from the inlet structure at least every year and from the sedimentation basin at least every 5 years.

- *Media Replacement.* Maintenance of the filter media is necessary when the drawdown time exceeds 48 hours. When this occurs, the upper layer of sand should be removed and replaced with new material meeting the original specifications. Any discolored sand should also be removed and replaced. In filters that have been regularly maintained, this should be limited to the top 2 to 3 inches.

- *Debris and Litter Removal.* Debris and litter will accumulate near the sedimentation basin outlet device and should be removed during regular mowing operations and inspections. Particular attention should be paid to floating debris that can eventually clog the control device or riser.

- *Filter Underdrain.* Clean underdrain piping network to remove any sediment buildup as needed to maintain design drawdown time.

- *Mowing.* Grass areas in and around sand filters must be mowed at least twice annually to limit vegetation height to 18 inches. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas. Vegetation on the pond embankments should be mowed as appropriate to prevent the establishment of woody vegetation.

I, Gautam Patwardhan, as representative of Aqua Texas, Inc. have read and understand the above maintenance guidelines for the proposed Engineered Vegetative Filter System and Sand Filter System, and further acknowledge the Aqua Texas's responsibility for meeting the requirements listed in the maintenance plan.

Signed:

Title: Project Engineer III - Lead Process Engineer

Date: February 03, 2025

ATTACHMENT P: Measures for Minimizing Surface Stream Contamination

ATTACHMENT P – MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

Temporary and permanent BMPs will be used to prevent pollutants from being conveyed downstream and ultimately entering surface streams. Permanent BMPs will include engineered vegetative filter systems and a partial sedimentation sand filter system designed to treat stormwater runoff after construction. During the construction process, temporary BMPs will include silt fence, rock berms and a stabilized construction entrance/exit.

There are no contaminates anticipated during or after construction. During construction, fuel storage tank(s) or oils used by construction equipment will not be stored on-site. After construction, the site will not be used for vehicle maintenance or to store materials that can pose a threat of contamination.

Stormwater Pollution Prevention Plan (SWP3) Template for the Construction General Permit

Site Name:	Woodcreek Wastewater Treatment Plant
Address:	2611 FM 2335, Wimberley, TX 78676
RN:	RN102956448
Contact Name:	Lauren Barzilla, P.E.
Contact Information:	Lauren.barzilla@burgessniple.com

Prepared by
Program Support and Environmental Assistance Division

RG-639
May 2023

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How to Use This Template

If you are an operator of a small or large construction site subject to the Texas Pollutant Discharge Elimination System (TPDES) Construction General Permit (TXR150000, CGP) for stormwater discharges, use this document to help prepare a Stormwater Pollution Prevention Plan (SWP3). It is not intended for industrial facilities or facilities regulated by other wastewater permits.

It includes worksheets, links to applicable forms, references to regulations, record retention timeframes, and other technical guidance in each section. The worksheets are suggested templates to help you collect required information. You may print more copies of worksheets as needed. **Place records from your site in their appropriate section to keep them organized.**

Where to Find More Information

- Request records from TCEQ by contacting the **Central Records Section** at 512-239-2900 or cfrreq@tceq.texas.gov.
- Search for TCEQ forms[1] using a keyword, form number, or subject.
- See Part III of TXR150000[2] for a complete list of SWP3 requirements.
- Use our assistance tools[3] to help you follow permit requirements.

This document is a general guide to requirements for construction sites under the CGP. It does not replace the laws and regulations in the general permit, which take priority over any information supplied here.

Local governments and other state and federal agencies may have more rules and requirements. As the owner or operator of the site, you must ensure compliance with all applicable laws and regulations.

If you have questions or need more information about TXR150000 requirements, please refer to the Small Business and Local Government Assistance (SBLGA) webpage.[4] For more help, call our SBLGA Hotline at 800-447-2827 or email us at TexasEnviroHelp@tceq.texas.gov.

1. www.tceq.texas.gov/search_forms.html
2. www.tceq.texas.gov/downloads/permitting/stormwater/general/construction/2023-cgp-txr150000.pdf
3. www.tceq.texas.gov/assistance/water/stormwater/sw-construction.html
4. www.texasenvirohelp.org

Definitions

TXR150000 Part I. Definitions

Best Management Practices (BMPs): Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spills or leaks, sludge or waste disposal, or drainage from raw material storage areas.

Commencement of Construction: The initial disturbance of soils associated with clearing, grading, or excavation activities, as well as other construction-related activities (e.g., demolition, grubbing, stockpiling of fill material, placement of raw materials at the site).

Common Plan of Development: A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development (also known as a "common plan of development or sale") is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities.

Construction Activity: Includes soil disturbance activities, including clearing, grading, excavating, construction-related activity (e.g., stockpiling of fill material, demolition), and construction support activity. This does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing rights-of-way, and similar maintenance activities). Regulated construction activity is defined in terms of small and large construction activity.

a. **Small Construction Activity:** Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. This also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres of land. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site.

b. **Large Construction Activity:** Construction activities that result in land disturbance of equal to or greater than five (5) acres of land. Also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site.

Construction Support Activity: A construction-related activity that specifically supports construction activity, which can involve earth disturbance or pollutant-generating activities of its own, and can include, but are not limited to, activities associated with concrete or asphalt batch plants, rock crushers, equipment staging or storage areas, chemical storage areas, material storage areas, material borrow areas, and excavated material disposal areas. Construction support activity must only directly support the construction activity authorized under this general permit.

Control Measure: Any BMP, including structural and non-structural controls, or other method (including effluent limitations) used to prevent or reduce the discharge of pollutants to water in the state.

Dewatering: The act of draining accumulated stormwater or groundwater from building foundations, vaults, trenches, and other similar points of accumulation.

Discharge: For the purposes of this permit, the drainage, release, or disposal of pollutants in stormwater and certain non-stormwater from areas where soil disturbing activities (e.g., clearing, grading, excavation, stockpiling of fill material, and demolition), construction materials or equipment storage or maintenance (*e.g.*, fill piles, borrow area, concrete truck wash out, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located.

Facility or Activity: For the purpose of this permit, referring to a construction site, the location of construction activity, or a construction support activity that is regulated under this general permit, including all contiguous land and fixtures (e.g., ponds and materials stockpiles), structures, or appurtenances used at a construction site or industrial site.

Final Stabilization: A construction site status where all soil disturbing activities at the site have been completed and a uniform (that is, evenly distributed, without large bare areas) perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, or gabions) have been employed.

Infeasible: not technologically possible, or not economically practicable and achievable in light of best industry practices.

Municipal Separate Storm Sewer System (MS4): A separate storm sewer system owned or operated by the United States, a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, that discharges to surface water in the state.

Operator: The person(s) associated with a large or small construction activity that is either a primary or secondary operator as defined below –

Primary Operator: The person(s) associated with construction activity that meets either of the following two criteria:

a. The person(s) has on-site operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or

b. The person(s) has day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a Stormwater Pollution Prevention Plan (SWP3) for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions).

Secondary Operator: the person or entity, often the property owner, whose operational control is limited to:

a. The employment of other operators, such as a general contractor, to perform or supervise construction activities; or

b. The ability to approve or disapprove changes to construction plans and specifications, but who does not have day-to-day on-site operational control over construction activities at the site.

Secondary operators must either prepare their own SWP3 or participate in a shared SWP3 that covers the areas of the construction site where they have control over the construction plans and specifications.

If there is not a primary operator at the construction site, then the secondary operator is defined as the primary operator and must comply with the requirements for primary operators.

Outfall: For the purpose of permit TXR150000, a point source at the point where stormwater runoff associated with construction activity discharges to surface water in the state and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances that connect segments of the same stream or other water of the U.S and are used to convey waters of the U.S.

Point Source: Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff (Title 40, Code of Federal Regulations, Section 122.2).[5]

Pollutant: (from Texas Water Code Section 26.001(13)[6]) Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, che

5. www.ecfr.gov/current/title-40/chapter-I/subchapter-D/part-122/subpart-A/section-122.2
6. https://statutes.capitol.texas.gov/Docs/WA/htm/WA.26.htm

mical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any water in the state. This term does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland. For the purpose of permit TXR150000, the term “pollutant” includes sediment.

Temporary Stabilization: A condition where exposed soils or disturbed areas are provided a protective cover or other structural control to prevent the migration of pollutants. Temporary stabilization may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either permanent stabilization can be achieved or until further construction activities take place.

Notes

Shared SWP3 Certification Signature Page

TXR150000 Part III

Operators of small and large construction activities must independently obtain TXR150000 authorizations but may work together with other regulated operators to prepare and implement a single, comprehensive shared SWP3. This SWP3 should clearly show which operator is responsible for completing each shared requirement of stormwater duties.

Review Primary and Secondary Operators under the Construction General Permit for Stormwater Discharges (TXR150000)[7] (RG-468) for more information on the different responsibilities between primary vs. secondary operators.

If this SWP3 is shared by more than one entity, all operators need to be named below:

Signature:	_____	Date:	_____
Print Name:	_____		
Job Title:	_____	TPDES#:	_____

Signature:	_____	Date:	_____
Print Name:	_____		
Job Title:	_____	TPDES#:	_____

Signature:	_____	Date:	_____
Print Name:	_____		
Job Title:	_____	TPDES#:	_____

Primary Operator(s):

_____

Secondary Operator(s):

_____

7. www.tceq.texas.gov/assets/public/comm_exec/pubs/rg/rg-468.pdf

Notes

General Site Information

Include

- General Site Information (see page 13)
- Schedule or Sequence of Major Grading Activities (see page 18)
- Acreage and Soil Type (see page 22)
- General Construction Location and Detailed Site Maps (see page 26)
- Site Description of Support Facilities (see page 30)
- Authorization Documents and Certifications (see page 34)

Instructions

Write a short description about all construction activities at your site, including information on soil type and any water bodies receiving discharges. Record the schedule or sequence of major grading activities. Develop general location and detailed site maps. Include copies of the Construction General Permit TXR150000 (or link to the current version on the TCEQ webpages), your authorization certificate, and other associated documents.

Updates and Recordkeeping

Keep this information up to date for your construction site. Update your SWP3 within seven days of any changes to site activities, processes, or characteristics.

Notes

General Site Information: Instructions

TXR150000 Part III Section F.1.a – b, and F.4.b - c

Describe Your Construction Activities

Write a short description about all construction activities at your site. Be as detailed as possible and include all construction activities that will disturb soil or generate pollutants. Include a description of construction and waste materials stored on-site. This part of your SWP3 should allow a TCEQ investigator or personnel conducting inspections, to read and understand the "what," "how," "where," and "when" of all construction activities taking place on-site.

List Potential Pollutants

Determine all potential pollutants generated on-site and list their source. See Table 1 below for examples of potential pollutants and pollutant sources.

Table 1. Examples of Potential Pollutants and Pollutant Sources

Potential Pollutants	Potential Pollutant Sources
Oil and grease from vehicles Mud from tires Paint/Stain Soaps/Solvents Stucco Cement Sediment from disturbed soil	Paving operations Concrete washout Paint and stucco washout Water disposal Solid waste disposal Dewatering operations

List Water Bodies Receiving Discharges

Your stormwater discharges may affect water quality. Identify bodies of water that might receive discharges from your site, provide their location, and note whether they are impaired. Provide a written description or use GPS coordinates to show the location of your stormwater discharges.

- Use our Surface Water Quality (Segments) Viewer[8] to find water bodies and segments downstream of your construction site.
- Check the Texas Integrated Report of Surface Water Quality[9] for a list of impaired water bodies.

8. www.tceq.texas.gov/gis/segments-viewer
9. www.tceq.texas.gov/waterquality/assessment

Discharges to water bodies with a total maximum daily load[10] (TMDL) are not permitted if they contain any pollutants the water is impaired by, unless consistent with the EPA-approved TMDL.

- Additional limitations, conditions, and requirements apply to these discharges.

Facilities located within the Edwards Aquifer Recharge or Contributing Zones may have additional requirements.

- See the Edwards Aquifer Protection Program[11] for more information.

10. www.tceq.texas.gov/waterquality/tmdl/nav/tmdlsegments#list-of-segments-with
11. www.tceq.texas.gov/permitting/eapp/program.html

Notes

General Site Information: Worksheet

Construction Start Date: 1/1/25

Provide a general description of the construction activity:

This project consists of the construction of a Wastewater Treatment Plant and Effluent Holding Pond on 23.57 acres in Hays County along RM 2325, west of Wimberley, Texas. Construction of this project is needed to bring the system into compliance with TAC Chapter 217 regulations and TCEQ standards for being in the Edwards Aquifer Contributing Zone and to increase the plant's capacity from 250,000 GPD to 375,000 GPD. Improvements to the site consist of a new effluent pond (approximately 4.03 acres) and a new wastewater treatment plant, including an operations building, four digester basins (two of which to be built in a future phase), two clarifiers (one of which to be built in a future phase), influent lift station, chlorine contact chamber, effluent sampling and flow measuring box, a sludge dewatering building, generator pad, and a filter building. This Contributing Zone Application includes all Best Management Practices (BMPs) for the entire project, including the future aeration basin, clarifier, and sludge building. The existing 12' wide limestone-base access road and the existing effluent holding pond will remain undisturbed.

Provide a general description of construction materials and wastes stored on-site:

To construct the proposed facilities and improvements needed for the wastewater treatment plant expansion, the construction materials and wastes include, but are not limited to, concrete, compacted base, PVC, stainless steel, and ductile iron. For the erosion control on site, the materials needed include but are not limited to grading and gabion wall.

Potential Pollutants	Source
Sediment	Displaced soil from construction site
Petroleum products	From vehicles used for construction

Stormwater Discharge Location	Name of Receiving Water	Is the water impaired for any pollutants?
Location A (west of plant)	Upper Blanco River	No, the water will be treated by vegetative filter strips and a water quality pond before being discharged
Location B (south of plant)	Upper Blanco River	No, the water will be treated by vegetative filter strips and a water quality pond before being discharged

Schedule or Sequence of Major Grading Activities: Instructions
TXR150000 Part III Section F.1.c and F.2.b.ii

Describe the Schedule or Sequence of Major Activities

Write a short description of the intended schedule or sequence of major construction activities and construction support activities that will disturb soils for major portions of the site.

- Describe the project phase (time period) when the activity will occur.
- Estimate how many acres the activity will disturb.
- Describe where the activity will take place. It may be helpful to divide large construction sites into sections to better show where the activity will take place.
- Provide the name of who is responsible for this part of the project.
- Describe the activity (e.g., clearing, excavating, grading, and structure construction).

Notes

Schedule or Sequence of Major Grading Activities: Worksheet

Construction Phase Number:	**Sequence 1**
Projected Start Date: 12/1/25	**Projected End Date: 12/15/25**
Acreage Disturbed: 16.31	**Location: 2611 FM 2325**
Responsible Party: Contractor - TBD	

Description of activity disturbing the soil:

Installation of erosion and sedimentation controls including both temporary and permanent BMPs.

Construction Phase Number:	**Sequence 2**
Projected Start Date: 12/15/25	**Projected End Date: 1/15/26**
Acreage Disturbed: 16.31	**Location: 2611 FM 2325**
Responsible Party: Contractor TBD	

Description of activity disturbing the soil:

Rough site grading

Construction Phase Number:	**Sequence 2**
Projected Start Date: 1/15/26	**Projected End Date: 2/15/26**
Acreage Disturbed: 0.01	**Location: 2611 FM 2325**
Responsible Party: Contractor TBD	

Description of activity disturbing the soil:

Installation of lift station, force main, and gravity line.

Construction Phase Number:	**Sequence 3**
Projected Start Date: 2/15/26	**Projected End Date: 6/15/26**
Acreage Disturbed: 16.31	**Location: 2611 FM 2325**
Responsible Party: Contractor - TBD	

Description of activity disturbing the soil:

Construction of new facilities including a maintenance building, clarifier, aeration basin, digestor, chlorine contact chamber, and gravel road.

Construction Phase Number:	**Sequence 4**
Projected Start Date: 6/15/26	**Projected End Date: 9/15/26**
Acreage Disturbed: 16.31	**Location: 2611 FM 2325**
Responsible Party: Contractor TBD	

Description of activity disturbing the soil:

Demolition of the existing plant and construction of effluent pond

Construction Phase Number:	**Sequence 5**
Projected Start Date: 9/15/26	**Projected End Date: 10/15/26**
Acreage Disturbed: 16.31	**Location: 2611 FM 2325**
Responsible Party: Contractor - TBD	

Description of activity disturbing the soil:

Final grading

Construction Phase Number:	**Sequence 6**
Projected Start Date: 10/15/26	**Projected End Date: 11/15/26**
Acreage Disturbed: 16.31	**Location: 2611 FM 2325**
Responsible Party: Contractor **TBD**	

Description of activity disturbing the soil:

Site restoration and revegetation

Construction Phase Number:	**Sequence 7**
Projected Start Date: 11/15/26	**Projected End Date: 12/1/26**
Acreage Disturbed: 16.31	**Location: 2611 FM 2325**
Responsible Party: Contractor **TBD**	

Description of activity disturbing the soil:

Removal and proper disposal of erosion and sedimentation control once permanent vegetation is established

Notes

Acreage and Soil Type: Instructions

TXR0150000 Part III Section F.1.d – e

Provide Acreage of Site and Supporting Activities

Record the number of acres of the whole property and the total number of acres where construction activities and construction support activities occur.[12] The total number of acres where construction activities occur is the area under the control of the operator.

Construction support activities include:

- Equipment staging or storage areas.
- Construction materials staging or storage areas.
- Chemical storage areas.
- Areas where concrete or asphalt batch mixing plants or rock crushers will be located.
- Vehicle repair or fueling areas.

Identify Soil Type Information

Data about the soil type or quality of discharge at the site must be included in your SWP3. Soil description may include approximate percentage of rock, soil, sand, and clay.

Discharge descriptions may include terms such as “silty,” “suspended solids,” or “sandy” and should agree with the soil type that you described. To accurately describe site discharge, you may need to visually inspect a sample collected of your discharge during a storm event.

If you are unsure of your site’s soil type, you can use USDA’s Web Soil Survey Tool.[13].

12. The acreages of the whole property and where construction and construction activities occur may be different from each other.
13. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

Notes

Acreage and Soil Type: Worksheet

Total Acreage of Project Property: 23.57 acres

Total Acreage of Disturbed Soil: 16.31 acres

Provide a description of soil type at the project site:

The soil on site is mostly comfort-rock outcrop complex with some Purves clay.

Notes

General Construction Location and Detailed Site Maps: Instructions

TXR150000 Part III Section F.1.f – g, n, and Part VI

Develop Maps of Your Construction Site

Your maps must include all elements required by the permit and be easy to read and interpret. Table 2 on the next page summarizes these requirements.

On one map, show the general location of the construction site within a city or county. The general location map may be copied from:

- A city or county map.
- Downloaded from a map website.
- Photocopied from any map that will show where your site is in relation to the surrounding area.

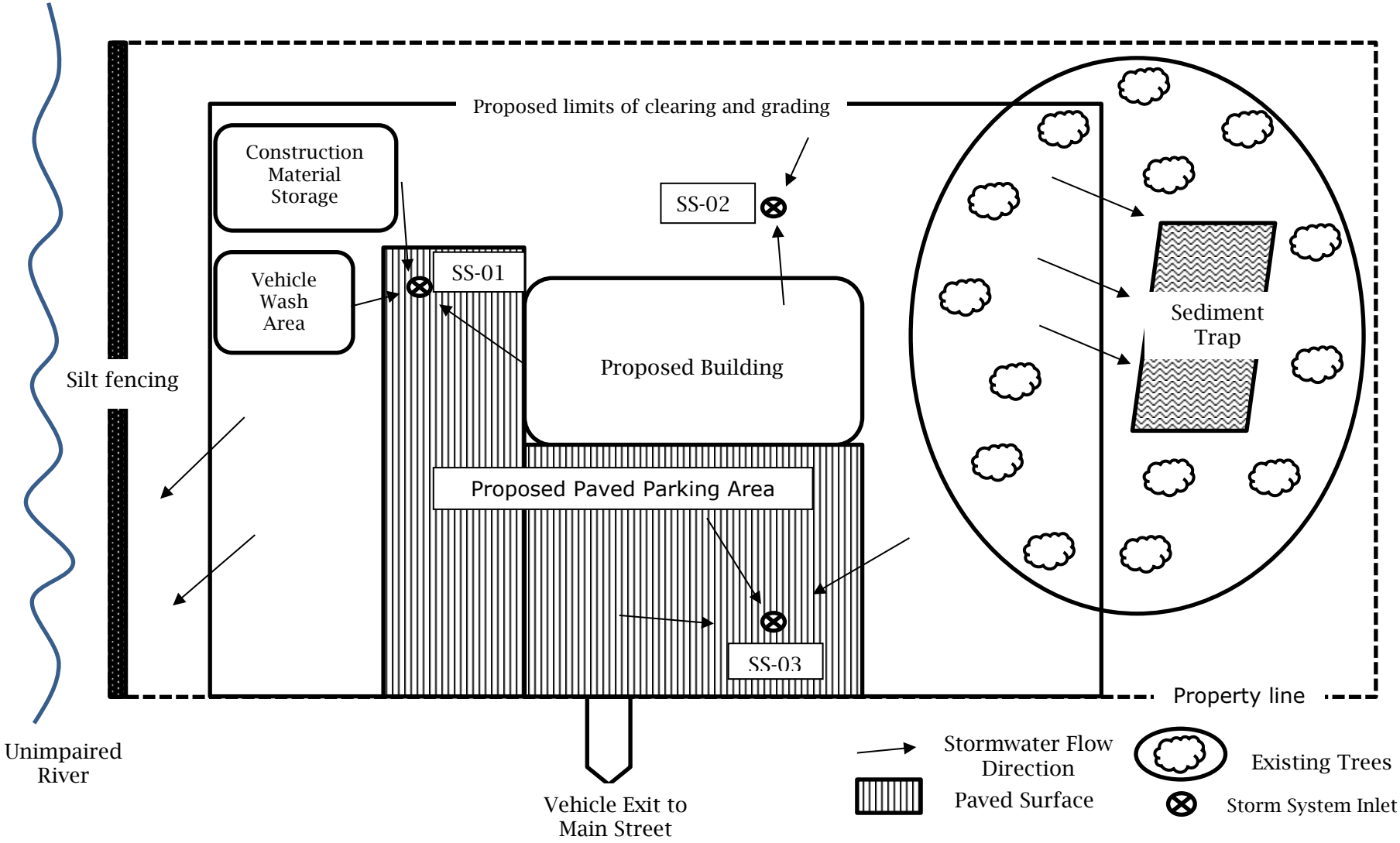
Your other map(s) must show detailed information about your site. For sites within a larger common plan of development, clearly show your area(s) of control within the larger plan. You can create a single detailed site map, but we encourage you to use multiple maps to avoid overcrowding and increase readability. See Figure 1 for an example of a detailed site map.

Table 2. Basic Map Requirements for SWP3s

Map Type	Include
General Location Map	• The general location of your construction site (circle or highlight) • A compass
Detailed Site Map(s)	• Property boundary(ies) • Drainage patterns and approximate slopes predicted before and after major grading activities • Areas where soil disturbance will occur (note any phasing), including demolition activities • Locations of all controls and buffers, either planned or in place • Location where temporary or permanent stabilization practices are expected to be used • Locations of construction support activities, including those off-site • Surface waters either at, adjacent, or near the site[14] Indicate whether the waters are impaired • Locations where stormwater discharges from the site directly to surface water body or a municipal separate storm sewer system • Vehicle wash area • Designated points on the site where vehicles will exit onto paved roads[15] • Concrete wash out area

14. This includes any receiving waters within the site and all receiving waters within one mile downstream of the site's discharge point(s).
15. For instance, this applies to construction transition from unstable dirt areas to exterior paved roads.

Figure 1. Detailed Site Map Example



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SUB-BASIN RUNOFF - Postdevelopment

Basin		Area		Sheet Flow				Shallow Conc Flow			Channel Flow			2-year			10-year			25-year			100-year		
From	To			L	n	S	Tc	L	S	Tc	L	Tc	Cum.	C	I	Q	C	I	Q	C	I	Q	C	I	Q
Area	Inlet	sf	ac	ft		%	min	ft	%	min	ft	min	min		(in/hr)	(cfs)		(in/hr)	(cfs)		in/hr	cfs		in/hr	cfs
A1	A1	17,571	0.403	59	0.13	3.4%	4.1	0	3.2%	0.0	553	1.5	5.6	0.59	6.11	1.5	0.66	11.98	3.2	0.71	11.41	3.3	0.79	14.91	4.8
A2	A2	5,769	0.132	7	0.13	1.0%	1.2	0	3.0%	0.0	452	1.3	5.0	0.73	6.31	0.6	0.81	9.61	1.0	0.86	11.79	1.4	0.95	15.42	2.0
A3	A3	57,969	1.331	100	0.13	1.7%	8.3	142	0.7%	1.4	201	0.6	10.2	0.54	5.01	3.6	0.61	7.58	6.1	0.65	9.31	8.1	0.73	12.14	11.9
A4	A4	6,747	0.155	97	0.13	2.0%	7.5	0	3.0%	0.0	85	0.2	7.7	0.37	5.55	0.3	0.42	8.42	0.5	0.46	10.34	0.7	0.53	13.49	1.1
A5	A5	2,069,222	47.503	100	0.13	3.0%	6.5	1088	2.5%	5.6	1298	3.6	15.8	0.42	4.17	82.5	0.47	6.29	141.5	0.52	7.74	191.1	0.59	10.11	285.5
B1	B1	32,290	0.741	100	0.13	3.0%	6.5	237	4.2%	0.9	26	0.1	7.6	0.37	5.59	1.5	0.42	8.48	2.7	0.46	10.40	3.6	0.54	13.58	5.4
B2	B2	542,494	12.454	100	0.13	3.5%	6.1	1014	3.2%	4.6	69	0.2	11.0	0.38	4.87	23.2	0.44	7.38	40.1	0.48	9.05	54.4	0.55	11.81	81.7
B3	B3	184,107	4.227	100	0.13	4.0%	5.8	1102	3.0%	5.2	466	1.3	12.3	0.36	4.65	7.1	0.41	7.03	12.2	0.45	8.63	16.6	0.52	11.26	25.1
B4	B4	29,869	0.686	100	0.13	1.5%	8.7	94	0.0%	4.4	438	1.2	14.3	0.60	4.35	1.8	0.67	6.58	3.0	0.72	8.09	4.0	0.80	10.56	5.8
B5	B5	8,068	0.185	100	0.13	12.0%	3.8	12	8.0%	0.0	25	0.1	5.0	0.36	6.31	0.4	0.41	9.61	0.7	0.45	11.79	1.0	0.52	15.42	1.5
B6	B6	174,240	4.000	100	0.13	13.0%	3.6	367	2.5%	1.9	0	0.0	5.6	0.34	6.13	8.4	0.39	9.33	14.6	0.43	11.45	20.0	0.50	14.97	30.4
A1, A2	DIP 1	23,340	0.536	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	5.6	0.63	6.11	2.0	0.70	9.30	3.5	0.75	11.41	4.6	0.83	14.91	6.7
A1, A2, A4	SWALE 2	30,087	0.691	0	0.13	2.0%	0.0	0	3.0%	0.0	83	0.2	7.7	0.57	5.55	2.2	0.64	8.42	3.7	0.68	10.34	4.9	0.76	13.49	7.2
A1, A2, A3, A4	POND 1	88,672	2.036	0	0.13	2.0%	0.0	0	3.0%	0.0	83	0.2	10.2	0.55	5.01	5.6	0.61	7.58	9.5	0.66	9.31	12.6	0.74	12.14	18.4
A1, A2, A3, A4, A5	POA-1	2,157,278	49.524	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	15.8	0.42	4.17	87.1	0.48	6.29	149.4	0.52	7.74	201.5	0.60	10.11	300.8
B1, B2	SWALE 3B	574,784	13.195	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	11.0	0.38	4.87	24.6	0.44	7.38	42.4	0.48	9.05	57.5	0.55	11.81	86.4
B1, B2, B3	SWALE 3C	758,891	17.422	0	0.13	2.0%	0.0	0	3.0%	0.0	710	2.0	13.0	0.38	4.55	29.9	0.43	6.88	51.6	0.47	8.45	70.0	0.54	11.03	105.3
B1, B2, B3, B4, B5	POND 2	796,827	18.293	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	14.3	0.38	4.35	30.6	0.44	6.58	52.8	0.48	8.09	71.6	0.55	10.56	107.7
B1, B2, B3, B4, B5, B6	POA-2	971,067	22.293	0	0.13	2.0%	0.0	0	3.0%	0.0	0	0.0	14.3	0.38	4.35	36.6	0.43	6.58	63.2	0.47	8.09	85.7	0.54	10.56	129.1

Runoff Coefficients
COA DCM - Table 2-2

	2 Yr	10 Yr	25 Yr	100 Yr
Undeveloped Pasture Range (2% - 7%)	0.33	0.38	0.42	0.49
Concrete	0.75	0.83	0.88	0.97
Asphalt	0.73	0.81	0.86	0.95

Basin	Total Area (sf)	Area Grass (sf)	Area Grass (%)	Area Concrete (sf)	Area Concrete (%)	Area Asphalt (sf)	Area Asphalt (%)	Composite 2 Yr "C"	Composite 10 Yr "C"	Composite 25 Yr "C"	Composite 100 Yr "C"
A1	17,571	6,221	35.4%	2,680	15.3%	8,671	49.3%	0.59	0.66	0.71	0.79
A2	5,769	0	0.0%	0	0.0%	5,769	100.0%	0.73	0.81	0.86	0.95
A3	57,969	27,599	47.6%	3,723	6.4%	26,647	46.0%	0.54	0.61	0.65	0.73
A4	6,747	6,124	90.8%	0	0.0%	623	9.2%	0.37	0.42	0.46	0.53
A5	2,069,222	1,628,666	78.7%	188,685	9.1%	251,871	12.2%	0.42	0.47	0.52	0.59
B1	32,290	28,997	89.8%	0	0.0%	3,292	10.2%	0.37	0.42	0.46	0.54
B2	542,494	471,372	86.9%	9,948	1.8%	61,174	11.3%	0.38	0.44	0.48	0.55
B3	184,107	170,973	92.9%	8,226	4.5%	4,908	2.7%	0.36	0.41	0.45	0.52
B4	29,869	9,860	33.0%	1,133	3.8%	18,876	63.2%	0.60	0.67	0.72	0.80
B5	8,068	7,512	93.1%	0	0.0%	556	6.9%	0.36	0.41	0.45	0.52
B6	174,240	169,271	97.1%	1,213	0.7%	3,756	2.2%	0.34	0.39	0.43	0.50

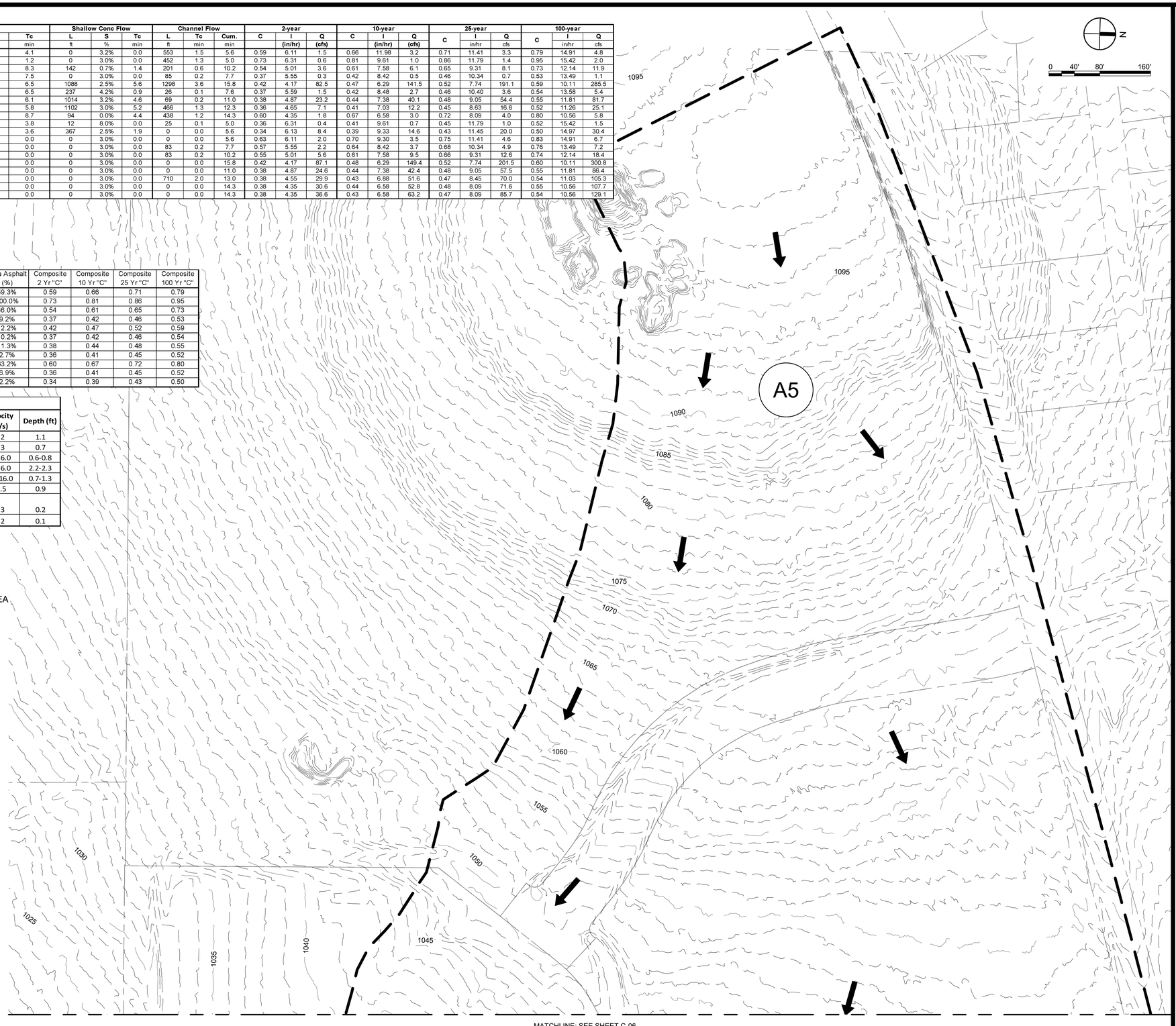
SWALES

Name	100-Year Flow (cfs)	n-Value	Channel Slope	Left Slope	Right Slope	Bottom Width (ft)	Velocity (ft/s)	Depth (ft)
SWALE 1	11.9	0.030	1%	3:1	3:1	0	3.2	1.1
SWALE 2	7.2	0.030	3%	3:1	3:1	0	4.3	0.7
SWALE 3A	5.4	0.030	1.0-8.7%	3:1	3:1	0	2.7-6.0	0.6-0.8
SWALE 3B	86.4	0.030	1.0-1.4%	3:1	3:1	0	5.3-6.0	2.2-2.3
SWALE 3C	105.3	0.013	0.5-4%	0	0	10	8.2-16.0	0.7-1.3
SWALE 4	107.7	0.013	2%	0	0	8.5	13.5	0.9
SWALE 5 LEVEL SPREADER	129.1	0.030	0.5%	3:1	3:1	450	1.3	0.2
DIP 1	6.7	0.013	2%	50:1	50:1	12	3.2	0.1

Level Spreader	COA ECM 1.4.6.C	
	Ten Year Rain Event	Length
LEVEL SPREADER 1	18.39	18.39

LEGEND

- POST-DEVELOPED DRAINAGE AREA
- DRAINAGE ARROW
- X-X — DRAINAGE AREA LABEL
- VEGETATIVE FILTER STRIP



BURGESS & NIPLE INC.
235 LEDGE STONE DRIVE
AUSTIN, TEXAS 78737
PHONE: (512) 432-1000
PELS FIRM REGISTRATION NO. 10834

AQUA TEXAS, INC

AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
PROPOSED DRAINAGE 1 OF 2

NO.	DESCRIPTION REVISIONS	DATE

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 80'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-05

SHEET: 9 OF 23

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PLOTTED: 7/3/2025 2:04:42 PM

MATCHLINE: SEE SHEET C-05

N

0 40' 80' 160'

A1
A2
A3
A4
A5
A5
B1
B2
B3
B4
B5
B6

POA-1
POA-2

WEIR 1
POND 1
SWALE 2
DIP 1
SWALE 1
WEIR 2
POND 2
SWALE 4
SWALE 5
LEVEL SPREADER
SWALE 3A
SWALE 3B
SWALE 3C

LEGEND

- POST-DEVELOPED DRAINAGE AREA
- DRAINAGE ARROW
- X-X DRAINAGE AREA LABEL
- VEGETATIVE FILTER STRIP

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AQUA TEXAS, INC
WOODCREEK WASTEWATER
TREATMENT EXPANSION
WATER QUALITY POND CZP
PROPOSED DRAINAGE 2 OF 2

NO:	DESCRIPTION REVISIONS	DATE

JOB NO:	PR60133
DATE:	July 2025
DESIGNED BY:	JB, CC, DM
DRAWN BY:	JB, CC, DM
CHECKED BY:	LBB
APPROVED BY:	LBB
SCALE:	1" = 80'

STATE OF TEXAS
LAUREN BARZILLA
108483
REGISTERED PROFESSIONAL ENGINEER

C-06

SHEET: 10 OF 23

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Site Description of Support Activities: Instructions

TXR150000 Part III Section F.1.h and n

Describe Your Support Activities

Describe and give the location of any construction support activities. The location(s) description(s) may be "on-site," a physical address, or descriptive directions from the construction project site to the support activity.

Examples of construction support activities include, but are not limited to:

- Asphalt plants
- Concrete batch plants
- Borrow pits
- Paving operations
- Concrete, paint, and stucco washout and water disposal

Notes

Site Description of Support Activities: Log Sheet

Activity	Description	Location
Concrete washout area	Concrete washout area	Onsite

Notes

Authorization Documents and Certifications: Instructions

TXR050000 Part III Section F.1.j – l and F.5

Keep all Permit Documents

Include the following documents in this section:

1. A hard copy of the general permit TXR150000[16] or a readily available electronic version.

2. A copy of your Notice of Intent (NOI) and the acknowledgement certificate you received from TCEQ with your unique permit authorization identification number.
    a. For secondary operators of large sites and for all operators of small sites, include a copy of the construction site notice with an original signed signature instead of the NOI and acknowledgement certificate.

3. If signatory authority is delegated to an authorized representative, keep a copy of the notification[17].
    a. Primary operators of large construction activities must submit the Delegation of Signatories to Reports form electronically through STEERS[18] If you qualify for an electronic reporting waiver, submit by paper using Delegation of Signatories to Reports form[19] (TCEQ-20403).

    b. Operators of small construction activities must submit notification by paper using Delegation of Signatories to Reports form (TCEQ-20403).

4. Copies of your Edwards Aquifer compliance documents[20], such as a Water Pollution Abatement Plan or Contributing Zone Plan, and TCEQ plan approval letter, if applicable.

16. www.tceq.texas.gov/downloads/permitting/stormwater/general/construction/2023-cgp-txr150000.pdf
17. See 30 Texas Administrative Code (30 TAC) Subsection 305.128
18. https://www3.tceq.texas.gov/steers/
19. www.tceq.texas.gov/downloads/assistance/water/stormwater/20403.docx
20. See 30 TAC Chapter 213

Notes

Texas Commission on Environmental Quality

P.O. Box 13087, Austin, Texas 78711-3087

GENERAL PERMIT TO DISCHARGE UNDER THE

TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM

under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

This permit supersedes and replaces
TPDES General Permit No. TXR150000,
effective March 5, 2018, and amended January 28, 2022

Construction sites that discharge stormwater associated with construction activity located in the state of Texas may discharge to surface water in the state only according to monitoring requirements and other conditions set forth in this general permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ or Commission), the laws of the State of Texas, and other orders of the Commission of the TCEQ. The issuance of this general permit does not grant to the permittee the right to use private or public property for conveyance of stormwater and certain non-stormwater discharges along the discharge route. This includes property belonging to but not limited to any individual, partnership, corporation or other entity. Neither does this general permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This general permit and the authorization contained herein shall expire at midnight, on March 5, 2028.

EFFECTIVE DATE: March 5, 2023

ISSUED DATE: February 27, 2023

For the Commission

TPDES GENERAL PERMIT NUMBER TXR150000

RELATING TO STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

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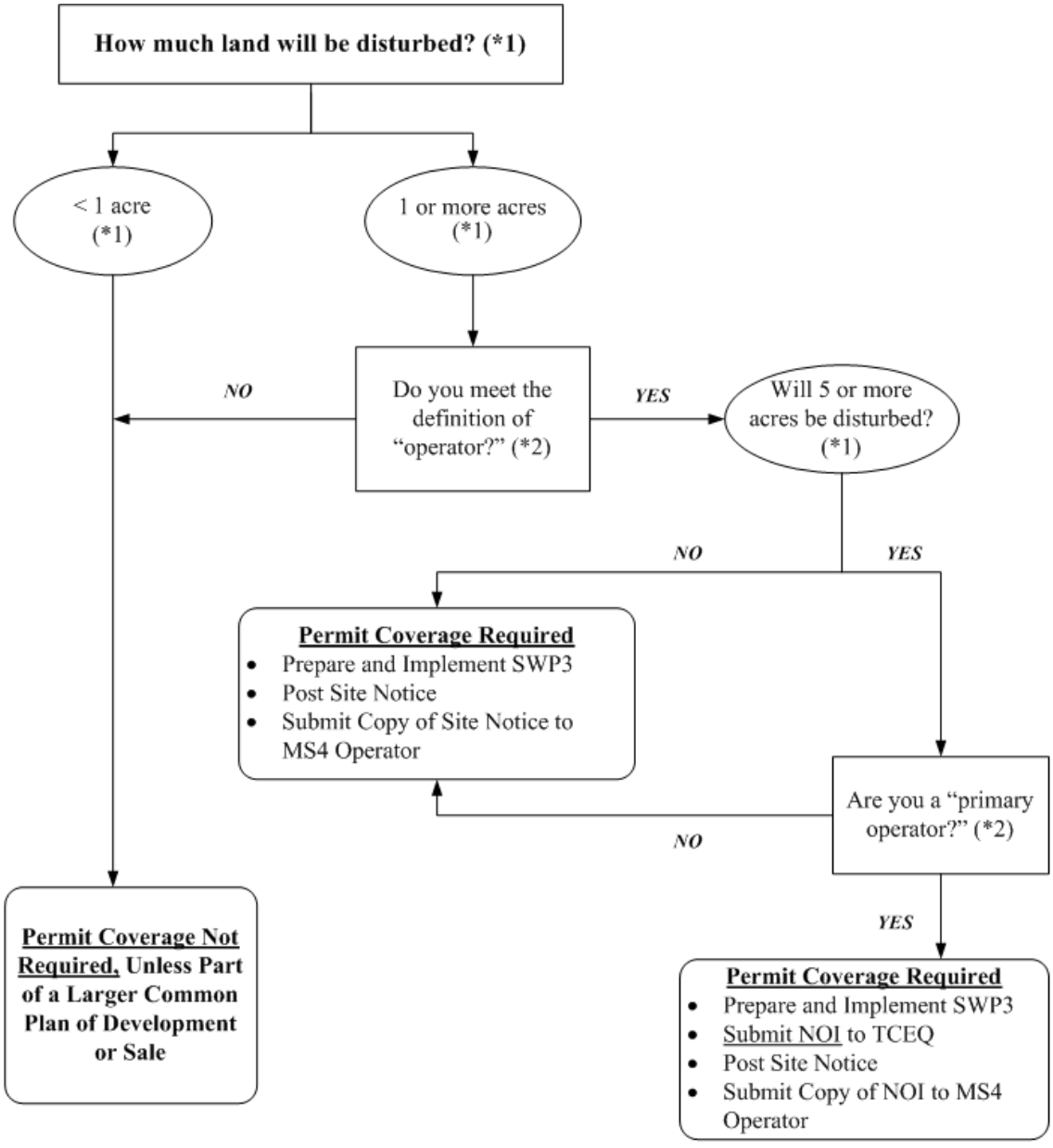
Part I. Flow Chart and Definitions

Section A. Flow Chart to Determine Whether Coverage is Required

When calculating the acreage of land area disturbed, include the disturbed land-area of all construction and construction support activities.



(*1) ***To determine the size of the construction project, use the size of the entire area to be disturbed, and include the size of the larger common plan of development or sale, if the project is part of a larger project (refer to Part I.B., "Definitions," for an explanation of "common plan of development or sale").***

(*2) ***Refer to the definitions for "operator," "primary operator," and "secondary operator" in Part I., Section B. of this permit.***

Section B. Definitions

Arid Areas – Areas with an average annual rainfall of zero (0) to ten (10) inches.

Best Management Practices (BMPs) – Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spills or leaks, waste disposal, or drainage from raw material storage areas.

Commencement of Construction – The initial disturbance of soils associated with clearing, grading, or excavation activities, as well as other construction-related activities (e.g., demolition; grubbing; stockpiling of fill material; placement of raw materials at the site).

Common Plan of Development – A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development (also known as a "common plan of development or sale") is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities. A common plan of development does not necessarily include all construction projects within the jurisdiction of a public entity (e.g., a city or university). Construction of roads or buildings in different parts of the jurisdiction would be considered separate "common plans," with only the interconnected parts of a project being considered part of a "common plan" (e.g., a building and its associated parking lot and driveways, airport runway and associated taxiways, a building complex, etc.). Where discrete construction projects occur within a larger common plan of development or sale but are located one quarter (¼) mile or more apart, and the area between the projects is not being disturbed, each individual project can be treated as a separate plan of development or sale, provided that any interconnecting road, pipeline or utility project that is part of the same "common plan" is not included in the area to be disturbed.

Construction Activity – Includes soil disturbance activities, including clearing, grading, excavating, construction-related activity (e.g., stockpiling of fill material, demolition), and construction support activity. This does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing rights-of-way, and similar maintenance activities). Regulated construction activity is defined in terms of small and large construction activity.

Construction Support Activity – A construction-related activity that specifically supports construction activity, which can involve earth disturbance or pollutant-generating activities of its own, and can include, but are not limited to, activities associated with concrete or asphalt batch plants, rock crushers, equipment staging or storage areas, chemical storage areas, material storage areas, material borrow areas, and excavated material disposal areas. Construction support activity must only directly support the construction activity authorized under this general permit.

Dewatering – The act of draining accumulated stormwater or groundwater from building foundations, vaults, trenches, and other similar points of accumulation.

Discharge – For the purposes of this permit, the drainage, release, or disposal of pollutants in stormwater and certain non-stormwater from areas where soil disturbing activities (e.g., clearing, grading, excavation, stockpiling of fill material, and demolition), construction materials or equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck wash out, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located.

Drought-Stricken Area – For the purposes of this permit, an area in which the National Oceanic and Atmospheric Administration's U.S. Seasonal Drought Outlook indicates for the period during which the construction will occur that any of the following conditions are likely: (1) "Drought to persist or intensify", (2) "Drought ongoing, some improvement", (3) "Drought likely to improve, impacts ease", or (4) "Drought development likely". See http://www.cpc.ncep.noaa.gov/products/expert_assessment/seasonal_drought.html.

Edwards Aquifer – As defined under Texas Administrative Code (TAC) § 213.3 of this title (relating to the Edwards Aquifer), that portion of an arcuate belt of porous, water-bearing, predominantly carbonate rocks known as the Edwards and Associated Limestones in the Balcones Fault Zone trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties; and composed of the Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Formation, and Georgetown Formation. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

Edwards Aquifer Recharge Zone – Generally, that area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located in the offices of the Texas Commission on Environmental Quality (TCEQ) and the appropriate regional office. The Edwards Aquifer Map Viewer, located at https://www.tceq.texas.gov/gis/edwards-viewer.html

Edwards Aquifer Contributing Zone – The area or watershed where runoff from precipitation flows downgradient to the recharge zone of the Edwards Aquifer. The contributing zone is located upstream (upgradient) and generally north and northwest of the recharge zone for the following counties: all areas within Kinney County, except the area within the watershed draining to Segment No. 2304 of the Rio Grande Basin; all areas within Uvalde, Medina, Bexar, and Comal Counties; all areas within Hays and Travis Counties, except the area within the watersheds draining to the Colorado River above a point 1.3 miles upstream from Tom Miller Dam, Lake Austin at the confluence of Barrow Brook Cove, Segment No. 1403 of the Colorado River Basin; and all areas within Williamson County, except the area within the watersheds draining to the Lampasas River above the dam at Stillhouse Hollow reservoir, Segment No. 1216 of the Brazos River Basin. The contributing zone is illustrated on the Edwards Aquifer map viewer at https://www.tceq.texas.gov/gis/edwards-viewer.html

Effluent Limitations Guideline (ELG) – Defined in 40 Code of Federal Regulations (CFR) § 122.2 as a regulation published by the Administrator under § 304(b) of the Clean Water Act (CWA) to adopt or revise effluent limitations.

Facility or Activity – For the purpose of this permit, referring to a construction site, the location of construction activity, or a construction support activity that is regulated under this general permit, including all contiguous land and fixtures (for example, ponds and materials stockpiles), structures, or appurtenances used at a construction site or industrial site.

Final Stabilization – A construction site status where any of the following conditions are met:

(a) All soil disturbing activities at the site have been completed and a uniform (that is, evenly distributed, without large bare areas) perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, or gabions) have been employed.

(b) For individual lots in a residential construction site by either:

(1) the homebuilder completing final stabilization as specified in condition (a) above; or

(2) the homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization. If temporary stabilization is not feasible, then the homebuilder may fulfill this requirement by retaining perimeter controls or BMPs, and informing the homeowner of the need for removal of temporary controls and the establishment of final stabilization. Fulfillment of this requirement must be documented in the homebuilder's stormwater pollution prevention plan (SWP3).

(c) For construction activities on land used for agricultural purposes (such as pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to surface water and areas that are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.

(d) In arid, semi-arid, and drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:

(1) temporary erosion control measures (for example, degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator, and

(2) the temporary erosion control measures are selected, designed, and installed to achieve 70% of the native background vegetative coverage within three years.

High-Level Radioactive Waste – Meaning as assigned by 42 United States Code (U.S.C.) Section 10101 (12) and includes spent nuclear fuel as defined by 42 U.S.C. Section 10101 (23).

Hyperchlorination of Waterlines – Treatment of potable water lines or tanks with chlorine for disinfection purposes, typically following repair or partial replacement of the waterline or tank, and subsequently flushing the contents.

Impaired Water – A surface water body that is identified as impaired on the latest approved CWA § 303(d) List or waters with an EPA-approved or established total maximum daily load (TMDL) that are found on the latest EPA approved *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)*, which lists the category 4 and 5 water bodies.

Indian Country Land – (1) All land within the limits of any Indian reservation under the jurisdiction of the United States government, notwithstanding the issuance of any patent, and, including rights-of-way running through the reservation; (2) all dependent Indian communities with the borders of the United States whether within the originally or subsequently acquired territory thereof, and whether within or without the limits of a state; and (3) all Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same. (40 CFR § 122.2)

Indian Tribe – Any Indian Tribe, band, group, or community recognized by the Secretary of the Interior and exercising governmental authority over a Federal Indian Reservation (40 CFR § 122.2).

Infeasible – Not technologically possible, or not economically practicable and achievable in light of best industry practices. (40 CFR § 450.11(b)).

Large Construction Activity – Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (for example, the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities).

Linear Project – Includes the construction of roads, bridges, conduits, substructures, pipelines, sewer lines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities in a long, narrow area.

Low Rainfall Erosivity Waiver (LREW) – A written submission to the executive director from an operator of a construction site that is considered as small construction activity under the permit, which qualifies for a waiver from the requirements for small construction activities, only during the period of time when the calculated rainfall erosivity factor is less than five (5).

Minimize – To reduce or eliminate to the extent achievable using stormwater controls that are technologically available and economically practicable and achievable in light of best industry practices.

Municipal Separate Storm Sewer System (MS4) – A separate storm sewer system owned or operated by the United States, a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, that discharges to surface water in the state.

Notice of Change (NOC) – Written notification to the executive director from a discharger authorized under this permit, providing changes to information that was previously provided to the agency in a notice of intent form.

Notice of Intent (NOI) – A written submission to the executive director from an applicant requesting coverage under this general permit.

Notice of Termination (NOT) – A written submission to the executive director from a discharger authorized under this general permit requesting termination of coverage.

Operator – The person or persons associated with a large or small construction activity that is either a primary or secondary operator as defined below:

Primary Operator – The person or persons associated with construction activity that meets either of the following two criteria:

(a) the person or persons have on-site operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or

(b) the person or persons have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a Stormwater Pollution Prevention Plan (SWP3) for the site or other permit conditions (for example, they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions).

Secondary Operator – The person or entity, often the property owner, whose operational control is limited to:

(a) the employment of other operators, such as a general contractor, to perform or supervise construction activities; or

(b) the ability to approve or disapprove changes to construction plans and specifications, but who does not have day-to-day on-site operational control over construction activities at the site.

Secondary operators must either prepare their own SWP3 or participate in a shared SWP3 that covers the areas of the construction site, where they have control over the construction plans and specifications.

If there is not a primary operator at the construction site, then the secondary operator is defined as the primary operator and must comply with the requirements for primary operators.

Outfall – For the purpose of this permit, a point source at the point where stormwater runoff associated with construction activity discharges to surface water in the state and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances that connect segments of the same stream or other water of the U.S. and are used to convey waters of the U.S.

Permittee – An operator authorized under this general permit. The authorization may be gained through submission of a notice of intent, by waiver, or by meeting the requirements for automatic coverage to discharge stormwater runoff and certain non-stormwater discharges from construction activity.

Point Source – Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are, or may be, discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff (40 CFR § 122.2).

Pollutant – Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any surface water in the state. The term "pollutant" does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland. For the purpose of this permit, the term “pollutant” includes sediment.

Pollution – The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any surface water in the state that renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property or to public health, safety, or welfare, or impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose (Texas Water Code (TWC) § 26.001(14)).

Rainfall Erosivity Factor (R factor) – The total annual erosive potential that is due to climatic effects, and is part of the Revised Universal Soil Loss Equation (RUSLE).

Receiving Water – A "Water of the United States" as defined in 40 CFR § 122.2 or a surface water in the state into which the regulated stormwater discharges.

Semi-arid Areas – Areas with an average annual rainfall of 10 to 20 inches.

Separate Storm Sewer System – A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains), designed or used for collecting or conveying stormwater; that is not a combined sewer, and that is not part of a publicly owned treatment works (POTW).

Small Construction Activity – Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres of land. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (for example, the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities).

Steep Slopes – Where a state, Tribe, local government, or industry technical manual (e.g., stormwater BMP manual) has defined what is to be considered a "steep slope", this permit's definition automatically adopts that definition. Where no such definition exists, steep slopes are automatically defined as those that are 15 percent or greater in grade.

Stormwater (or Stormwater Runoff) – Rainfall runoff, snow melt runoff, and surface runoff and drainage.

Stormwater Associated with Construction Activity – Stormwater runoff, as defined above, from a construction activity.

Structural Control (or Practice) – A pollution prevention practice that requires the construction of a device, or the use of a device, to reduce or prevent pollution in stormwater runoff. Structural controls and practices may include but are not limited to: silt fences, earthen dikes, drainage swales, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the State – Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state (from the mean high water mark (MHWM) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or non-navigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Temporary Stabilization – A condition where exposed soils or disturbed areas are provided a protective cover or other structural control to prevent the migration of pollutants. Temporary stabilization may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either permanent stabilization can be achieved or until further construction activities take place.

Thawing Conditions – For the purposes of this permit, thawing conditions are expected based on the historical likelihood of two (2) or more days with daytime temperatures greater than 32 degrees Fahrenheit (℉). This date can be determined by looking at historical weather data.

NOTE: The estimation of thawing conditions is for planning purposes only. During construction, the permittee will be required to conduct site inspections based upon actual conditions (i.e., if thawing conditions occur sooner than expected, the permittee will be required to conduct inspections at the regular frequency).

Total Maximum Daily Load (TMDL) – The total amount of a pollutant that a water body can assimilate and still meet the Texas Surface Water Quality Standards.

Turbidity – A condition of water quality characterized by the presence of suspended solids and/or organic material.

Waters of the United States – Waters of the United States or waters of the U.S. means the term as defined in 40 CFR § 122.2.

Part II. Permit Applicability and Coverage

Section A. Discharges Eligible for Authorization

1. Stormwater Associated with Construction Activity

   Discharges of stormwater runoff and certain non-stormwater discharges from small and large construction activities may be authorized under this general permit, except as described in Part II.C. of this permit.

2. Discharges of Stormwater Associated with Construction Support Activities

   Discharges of stormwater runoff and certain non-stormwater discharges from construction support activities as defined in Part I.B. of this general permit may be authorized, provided that the following conditions are met:

   (a) the construction support activities are located within one (1) mile from the boundary of the construction site where the construction activity authorized under the permit is being conducted that requires the support of these activities;

   (b) an SWP3 is developed and implemented for the permitted construction site according to the provisions in Part III.F. of this general permit, including appropriate controls and measures to reduce erosion and the discharge of pollutants in stormwater runoff according to the provisions in Part IV. of this general permit;

   (c) the activities are directly related to the construction site;

   (d) the activities are not a commercial operation, nor serve other unrelated construction projects; and

   (e) the activities do not continue to operate beyond the completion of the construction activity at the project it supports.

   Construction support activities that operate outside the terms provided in (a) through (e) above must obtain authorization under a separate Texas Pollutant Discharge Elimination System (TPDES) permit, which may include the TPDES Multi-Sector General Permit (MSGP), TXR050000 (related to stormwater discharges associated with industrial activity), an alternative general permit (if available), or an individual water quality permit.

3. Non-Stormwater Discharges

   The following non-stormwater discharges from sites authorized under this general permit are also eligible for authorization under this general permit:

(a) discharges from emergency fire-fighting activities (emergency fire-fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, or similar activities);

(b) uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life), which include flushings from systems that utilize potable water, surface water, or groundwater that does not contain additional pollutants (uncontaminated fire hydrant flushings do not include systems utilizing reclaimed wastewater as a source water);

(c) water from the routine external washing of vehicles, the external portion of buildings or structures, and pavement, where solvents, detergents, and soaps are not used, where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, or dust;

(d) uncontaminated water used to control dust;

(e) potable water sources, including waterline flushings, but excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life;

(f) uncontaminated air conditioning condensate;

(g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents; and

(h) lawn watering and similar irrigation drainage.

4. Other Permitted Discharges

   Any discharge authorized under a separate National Pollutant Discharge Elimination System (NPDES), TPDES, or TCEQ permit may be combined with discharges authorized by this general permit, provided those discharges comply with the associated permit.

Section B. Concrete Truck Wash Out

The wash out of concrete trucks at regulated construction sites must be performed in accordance with the requirements of Part VI of this general permit.

Section C. Limitations on Permit Coverage

1. Post Construction Discharges

   Discharges that occur after construction activities have been completed, and after the construction site and any supporting activity site have undergone final stabilization, are not eligible for coverage under this general permit. Discharges originating from the sites are not authorized under this general permit following the submission of the Notice of Termination (NOT) or removal of the appropriate TCEQ site notice, as applicable, for the regulated construction activity.

2. Prohibition of Non-Stormwater Discharges

   Except as otherwise provided in Part II.A. of this general permit, only discharges that are composed entirely of stormwater associated with construction activity may be authorized under this general permit.

3. Compliance with Water Quality Standards

   Discharges to surface water in the state that would cause, have the reasonable potential to cause, or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses of surface water in the state are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative general permit (see Parts II.H.2. and 3.) to authorize discharges to surface water in the state if the executive director determines that any activity will cause, has the reasonable potential to cause, or contribute to a violation of water quality standards or is found to cause, has the reasonable potential to cause, or contribute to, the impairment of a designated use. The executive director may also require an application for an individual permit considering factors described in Part II.H.3. of this general permit.

4. Impaired Receiving Waters and Total Maximum Daily Load (TMDL) Requirements

   The permittee shall determine whether the authorized discharge is to an impaired water body on the latest EPA-approved CWA § 303(d) List or waters with an EPA-approved or established TMDL that are found on the latest EPA-approved *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)*, which lists the category 4 and 5 water bodies.

   New sources or new discharges of the pollutants of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standard(s) and are listed as category 4 or 5 in the current version of the *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)*, and waterbodies listed on the CWA § 303(d) List. Pollutants of concern are those for which the water body is listed as impaired.

   Discharges of the pollutants of concern to impaired water bodies for which there is a TMDL are not eligible for coverage under this general permit unless they are consistent with the approved TMDL. Permittees must incorporate the conditions and requirements applicable to their discharges into their SWP3, in order to be eligible for coverage under this general permit. For consistency with the construction stormwater-related items in an approved TMDL, the SWP3 must be consistent with any applicable condition, goal, or requirement in the TMDL, TMDL Implementation Plan (I-Plan), or as otherwise directed by the executive director.

5. Discharges to the Edwards Aquifer Recharge or Contributing Zone

   Discharges cannot be authorized by this general permit where prohibited by 30 TAC Chapter 213 (relating to Edwards Aquifer). In addition, commencement of construction (see definition for commencement of construction in Part I.B. above)) at a site regulated under 30 TAC Chapter 213, may not begin until the appropriate Edwards Aquifer Protection Plan (EAPP) has been approved by the TCEQ's Edwards Aquifer Protection Program.

   (a) For new discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone (CZ), operators must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.

(b) For existing discharges located within the Edwards Aquifer Recharge Zone, the requirements of the agency-approved Water Pollution Abatement Plan (WPAP) under the Edwards Aquifer Rule are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural stormwater controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in stormwater runoff are in addition to the requirements in this general permit for this pollutant.

(c) For discharges located within ten (10) stream miles upstream of the Edwards Aquifer recharge zone, applicants shall also submit a copy of the NOI to the appropriate TCEQ regional office.

Counties: Comal, Bexar, Medina, Uvalde, and Kinney

Contact: TCEQ Water Program Manager
San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
(210) 490-3096

Counties: Williamson, Travis, and Hays

Contact: TCEQ Water Program Manager
Austin Regional Office
12100 Park 35 Circle
Room 179, Building A
Austin, Texas 78753
(512) 339-2929

6. Discharges to Specific Watersheds and Water Quality Areas

Discharges otherwise eligible for coverage cannot be authorized by this general permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

7. Protection of Streams and Watersheds by Other Governmental Entities

This general permit does not limit the authority or ability of federal, other state, or local governmental entities from placing additional or more stringent requirements on construction activities or discharges from construction activities.

8. Indian Country Lands

Stormwater runoff from construction activities occurring on Indian Country lands are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges of stormwater require authorization under federal NPDES regulations, authority for these discharges must be obtained from the U.S. Environmental Protection Agency (EPA).

9. Exempt Oil and Gas Activities

The CWA § 402(l)(2) provides that stormwater discharges from construction activities related to oil and gas exploration, production, processing, or treatment, or transmission facilities are exempt from regulation under this permit. The term “oil and gas exploration, production, processing, or treatment operations, or transmission facilities” is defined in 33 U.S.C. Annotated § 1362 (24).

The exemption in CWA § 402(l)(2) *includes* stormwater discharges from construction activities regardless of the amount of disturbed acreage, which are necessary to prepare a site for drilling and the movement and placement of drilling equipment, drilling waste management pits, in field treatment plants, and in field transportation infrastructure (e.g., crude oil pipelines, natural gas treatment plants, and both natural gas transmission pipeline compressor and crude oil pumping stations) necessary for the operation of most producing oil and gas fields. Construction activities are defined in 33 U.S. Code § 1362(24) and interpreted by EPA in the final rule. *See* June 12, 2006 Amendments to the NPDES Regulations for Storm Water Discharges Associated with Oil and Gas Exploration, Production, Processing, or Treatment Operations or Transmission Facilities (71 FR 33628, Part V. Terminology).

The exemption *does not include* stormwater discharges from the construction of administrative buildings, parking lots, and roads servicing an administrative building at an oil and gas site, as these are considered traditional construction activities.

As described in 40 CFR § 122.26(c)(1)(iii) [*regulations prior to 2006*], discharges from oil and gas construction activities are waived from CWA § 402(l)(2) permit coverage *unless* the construction activity (or construction support activity) has had a discharge of stormwater resulting in the discharge of a reportable quantity of oil or hazardous substances or the discharge contributes to a violation of water quality standards.

Exempt oil and gas activities which have lost their exemption as a result of one of the above discharges, must obtain permit coverage under this general permit, an alternative general permit, or a TPDES individual permit prior to the next discharge.

10. Stormwater Discharges from Agricultural Activities

Stormwater discharges from agricultural activities that are not point source discharges of stormwater are not subject to TPDES permit requirements. These activities may include clearing and cultivating ground for crops, construction of fences to contain livestock, construction of stock ponds, and other similar agricultural activities. Discharges of stormwater runoff associated with the construction of facilities that are subject to TPDES regulations, such as the construction of concentrated animal feeding operations, would be point sources regulated under this general permit.

11. Endangered Species Act

Discharges that would adversely affect a listed endangered or threatened aquatic or aquatic-dependent species or its critical habitat are not authorized by this permit, unless the requirements of the Endangered Species Act are satisfied. Federal requirements related to endangered species apply to all TPDES permitted discharges and site-specific controls may be required to ensure that protection of endangered or threatened species is achieved. If a permittee has concerns over potential impacts to listed species, the permittee may contact TCEQ for additional information.

12. Storage of High-Level Radioactive Waste

Discharges of stormwater from construction activities associated with the construction of a facility that is licensed for the storage of high-level radioactive waste by the United States Nuclear Regulatory Commission under 10 CFR Part 72 are not authorized by this general permit. Texas Health and Safety Code (THSC) § 401.0525 prohibits TCEQ from issuing any TPDES authorizations for the construction or operation of these facilities.

Discharges of stormwater from the construction activities associated with the construction of a facility located at the site of currently or formerly operating nuclear power reactors and currently or formerly operating nuclear research and test reactors operated by a university are not prohibited under THSC § 401.0525 and continue to be regulated under this general permit.

13. Other

    Nothing in Part II. of the general permit is intended to negate any person's ability to assert *force majeure* (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC § 70.7

Section D. Deadlines for Obtaining Authorization to Discharge

1. Large Construction Activities

   (a) New Construction – Discharges from sites where the commencement of construction activity occurs on or after the effective date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.

   (b) Ongoing Construction – Operators of large construction activities continuing to operate after the effective date of this permit, and authorized under the TPDES Construction General Permit (CGP) TXR150000 (effective on March 5, 2018, and amended on January 28, 2022), must submit an NOI to renew authorization or an NOT to terminate coverage under this general permit within 90 days of the effective date of this general permit. During this interim or grace period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the issued and amended 2018 TPDES CGP.

2. Small Construction Activities

   (a) New Construction – Discharges from sites where the commencement of construction activity occurs on or after the effective date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.

   (b) Ongoing Construction – Discharges from ongoing small construction activities that commenced prior to the effective date of this general permit, and that do not meet the conditions to qualify for termination of this permit as described in Part II.F. of this general permit, must meet the requirements to be authorized, either under this general permit or a separate TPDES permit, within 90 days of the effective date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the issued and amended 2018 TPDES CGP.

Section E. Obtaining Authorization to Discharge

1. Automatic Authorization for Small Construction Activities with Low Potential for Erosion

   Operators of small construction activity, as defined in Part I.B. of this general permit, shall not submit an NOI for coverage, unless otherwise required by the executive director.

   Operators of small construction activities, which occur in certain counties and during periods of low potential for erosion that do not meet the conditions of the waiver described in Part II.G. of this general permit, may be automatically authorized under this general permit if all the following conditions are met prior to the commencement of construction.

   (a) The construction activity occurs in a county and during the corresponding date range(s) listed in Appendix A;

(b) The construction activity is initiated and completed, including either final or temporary stabilization of all disturbed areas, within the time frame identified in Appendix A for the location of the construction site;

(c) All temporary stabilization is adequately maintained to effectively reduce or prohibit erosion, permanent stabilization activities have been initiated, and a condition of final stabilization is completed no later than 30 days following the end date of the time frame identified in Appendix A for the location of the construction site; the permittee signs a completed TCEQ Small Construction Site Notice for low potential for erosion (Form TCEQ-20964), including the certification statement;

(d) A signed and certified copy of the TCEQ Small Construction Site Notice for low potential for erosion is posted at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction activities, and maintained in that location until final stabilization has been achieved;

NOTE: Posted TCEQ site notices may have a redacted signature as long as there is an original signed and certified TCEQ site notice, with a viewable signature, located on-site and available for review by any applicable regulatory authority.

(e) A copy of the signed and certified TCEQ Small Construction Site Notice for low potential for erosion is provided to the operator of any MS4 receiving the discharge at least two (2) days prior to commencement of construction activities;

(f) Discharges of stormwater runoff or other non-stormwater discharges from any supporting concrete batch plant or asphalt batch plant is separately authorized under an individual TPDES permit, another TPDES general permit, or under an individual TCEQ permit where stormwater and non-stormwater is disposed of by evaporation or irrigation (discharges are adjacent to water in the state); and

(g) Any non-stormwater discharges are either authorized under a separate permit or authorization, are not considered by TCEQ to be a wastewater, or are captured and routed for disposal at a publicly operated treatment works or licensed waste disposal facility.

If all of the conditions in (a) – (h) above are met, then the operator(s) of small construction activities with low potential for erosion are not required to develop a SWP3.

If an operator is conducting small construction activities and any of the above conditions (a) – (h) are not met, the operator cannot declare coverage under the automatic authorization for small construction activities with low potential for erosion and must meet the requirements for automatic authorization (all other) small construction activities, described below in Part II.E.2.

For small construction activities that occur during a period with a low potential for erosion, where automatic authorization under this section is not available, an operator may apply for and obtain a waiver from permitting (Low Rainfall Erosivity Waiver – LREW), as described in Part II.G. of this general permit. Waivers from coverage under the LREW do not allow for any discharges of non-stormwater and the operator must ensure that discharges on non-stormwater are either authorized under a separate permit or authorization.

2. Automatic Authorization for Small Construction Activities

Operators of small construction activities as defined in Part I.B. of this general permit shall not submit an NOI for coverage, unless otherwise required by the executive director.

Operators of small construction activities, as defined in Part I.B. of this general permit or as defined but who do not meet in the conditions and requirements located in Part II.E.1 above, may be automatically authorized for small construction activities, provided that they meet all of the following conditions:

(a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant is the operator, and implement the SWP3 prior to commencing construction activities;

(b) all operators of regulated small construction activities must post a copy of a signed and certified TCEQ Small Construction Site Notice (Form TCEQ-20963), the notice must be posted at the construction site in a location where it is safely and readily available for viewing by the general public, local, state, and federal authorities, at least two (2) days prior to commencing construction activity , and maintain the notice in that location until completion of the construction activity (for linear construction activities, e.g. pipeline or highway, the TCEQ site notice must be placed in a publicly accessible location near where construction is actively underway; notice for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public; local, state, and federal authorities);

(c) operators must maintain a posted TCEQ Small Construction Site Notice on the approved TCEQ form at the construction site until final stabilization has been achieved; and

> NOTE: Posted TCEQ site notices may have a redacted signature as long as there is an original signed and certified TCEQ Small Construction Site Notice, with a viewable signature, located on-site and available for review by an applicable regulatory authority.

(d) provide a copy of the signed and certified TCEQ Small Construction Site Notice to the operator of any municipal separate storm sewer system (MS4) receiving the discharge at least two (2) days prior to commencement of construction activities.

(e) if signatory authority is delegated by an authorized representative, then a Delegation of Signatory form must be submitted as required by 30 TAC § 305.128 (relating to Signatories to Reports). Operators for small construction activities must submit this form via mail following the instructions on the approved TCEQ paper form. A new Delegation of Signatory form must be submitted if the delegation changes to another individual or position.

As described in Part I.B of this general permit, large construction activities include those that will disturb less than five (5) acres of land, but that are part of a larger common plan of development or sale that will ultimately disturb five (5) or more acres of land and must meet the requirements of Part II.E.3. below.

3. Authorization for Large Construction Activities

Operators of large construction activities that qualify for coverage under this general permit must meet all of the following conditions:

(a) develop a SWP3 according to the provisions of this general permit that covers either the entire site or all portions of the site where the applicant is the operator. The SWP3 must be developed and implemented prior to obtaining coverage and prior to commencing construction activities;

(b) primary operators of large construction activities must submit an NOI prior to commencing construction activity at a construction site. A completed NOI must be submitted to TCEQ electronically using the online ePermits system on TCEQ's website.

Operators with an electronic reporting waiver must submit a completed paper NOI to TCEQ at least seven (7) days prior to commencing construction activity to obtain provisional coverage 48-hours from the postmark date for delivery to the TCEQ. An authorization is no longer provisional when the executive director finds the NOI is administratively complete, and an authorization number is issued to the permittee for the construction site indicated on the NOI.

If an additional primary operator is added after the initial NOI is submitted, the additional primary operator must meet the same requirements for existing primary operator(s), as indicated above.

If the primary operator changes due to responsibility at the site being transferred from one primary operator to another after the initial NOI is submitted, the new primary operator must submit an electronic NOI, unless they request and obtain a waiver from electronic reporting, at least ten (10) days prior to assuming operational control of a construction site and commencing construction activity.

(c) all operators of large construction activities must post a TCEQ Large Construction Site Notice on the approved TCEQ form (Form TCEQ-20961) in accordance with Part III.D.2. of this permit. The TCEQ site notice must be located where it is safely and readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction activities, and must be maintained in that location until final stabilization has been achieved. For linear construction activities, e.g., pipeline or highway, the TCEQ site notice must be placed in a publicly accessible location near where construction is actively underway; notice for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public, local, state, and federal authorities;

(d) two days prior to commencing construction activities, all primary operators must:

i. provide a copy of the signed NOI to the operator of any MS4 receiving the discharge and to any secondary construction operator, and

ii. list in the SWP3 the names and addresses of all MS4 operators receiving a copy;

(e) if signatory authority is delegated by an authorized representative, then a Delegation of Signatories form must be submitted as required by 30 TAC § 305.128 (relating to Signatories to Reports). Primary operators must submit this form electronically using the State of Texas Environmental Electronic Reporting System (STEERS), TCEQ's online permitting system, or by paper if the permittee requested and obtained an electronic reporting waiver. A new Delegation of Signatories form must be submitted, if the delegation changes to another individual or position;

(f) all persons meeting the definition of "secondary operator" in Part I of this permit are hereby notified that they are regulated under this general permit, but are not required to submit an NOI, provided that a primary operator at the site has submitted an NOI, or prior to commencement of construction activities, a primary operator is required to submit an NOI and the secondary operator has provided notification to the operator(s) of the need to obtain coverage (with records of notification available upon request). Any secondary operator notified under this provision may alternatively submit an NOI under this general permit, may seek coverage under an alternative TPDES individual permit, or may seek coverage under an alternative TPDES general permit if available; and

(g) all secondary operators of large construction activities must post a copy of the signed and certified TCEQ Large Construction Site Notice for Secondary Operators on the approved TCEQ form (Form TCEQ-20962) and provide a copy of the signed and certified TCEQ site notice to the operator of any MS4 receiving the discharge at least two (2) days prior to the commencement construction activities.

NOTE: Posted TCEQ site notices may have a redacted signature as long as there is an original signed and certified TCEQ Large Construction Site Notice for Secondary Operators, with a viewable signature, located on-site and available for review by an applicable regulatory authority.

Applicants must submit an NOI using the online ePermits system (accessed using STEERS) available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge.

4. Waivers for Small Construction Activities:

Operators of certain small construction activities may obtain a waiver from coverage under this general permit, if applicable. The requirements are outlined in Part II.G. below.

5. Effective Date of Coverage

(a) Operators of small construction activities as described in either Part II.E.1. or II.E.2. above are authorized immediately following compliance with the applicable conditions of Part II.E.1. or II.E.2. Secondary operators of large construction activities as described in Part II.E.3. above are authorized immediately following compliance with the applicable conditions in Part II.E.3. For activities located in areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer, this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule are met.

(b) Primary operators of large construction activities as described in Part II.E.3. above that electronically submit an NOI are authorized immediately following confirmation of receipt of the electronic form by the TCEQ, unless otherwise notified by the executive director.

Operators with an electronic reporting waiver are provisionally authorized 48-hours from the date that a completed paper NOI is postmarked for delivery to the TCEQ, unless otherwise notified by the executive director. An authorization is no longer provisional when the executive director finds the NOI is administratively complete and an authorization number is issued to the permittee for the construction site indicated on the NOI.

For construction activities located in areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer, this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction activities may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule are met.

(c) Operators are not prohibited from submitting late NOIs or posting late site notices to obtain authorization under this general permit. The TCEQ reserves the right to take appropriate enforcement action for any unpermitted activities that may have occurred between the time construction commenced and authorization under this general permit was obtained.

(d) If operators that submitted NOIs have active authorizations for construction activities that are ongoing when this general permit expires on March 5, 2028, and a new general permit is issued, a 90-day interim (grace) period is granted to provide coverage that is administratively continued until operators with active authorizations can obtain coverage under the newly issued CGP. The 90-day grace period starts on the effective date of the newly issued CGP.

6. Contents of the NOI

The NOI form shall require, at a minimum, the following information:

(a) the TPDES CGP authorization number for existing authorizations under this general permit, where the operator submits an NOI to renew coverage within 90 days of the effective date of this general permit;

(b) the name, address, and telephone number of the operator filing the NOI for permit coverage;

(c) the name (or other identifier), address, county, and latitude/longitude of the construction project or site;

(d) the number of acres that will be disturbed by the applicant;

(e) the estimated construction project start date and end date;

(f) confirmation that the project or site will not be located on Indian Country lands;

(g) confirmation if the construction activity is associated with an oil and gas exploration, production, processing, or treatment, or transmission facility (see Part II.C.9.)

(h) confirmation that the construction activities are not associated with the construction of a facility that is licensed for the storage of high-level radioactive waste by the United States Nuclear Regulatory Commission under 10 CFR Part 72 (see Part II.C.12.);

(i) confirmation that a SWP3 has been developed in accordance with all conditions of this general permit, that it will be implemented prior to commencement of construction activities, and that it is compliant with any applicable local sediment and erosion control plans; for multiple operators who prepare a shared SWP3, the confirmation for an operator may be limited to its obligations under the SWP3 provided all obligations are confirmed by at least one operator;

(j) name of the receiving water(s);

(k) the classified segment number for each classified segment that receives discharges from the regulated construction activity (if the discharge is not directly to a classified segment, then the classified segment number of the first classified segment that those discharges reach); and

(l) the name of all surface waters receiving discharges from the regulated construction activity that are on the latest EPA-approved CWA § 303(d) List of impaired waters or *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)* as not meeting applicable state water quality standards.

7. Notice of Change (NOC)

(a) If relevant information provided in the NOI changes, the operator that has submitted the NOI must submit an NOC to TCEQ at least fourteen (14) days before the change occurs. Where a 14-day advance notice is not possible, the operator must submit an NOC to TCEQ within fourteen (14) days of discovery of the change. If the operator becomes aware that it failed to submit any relevant facts or submitted

incorrect information in an NOI, the correct information must be submitted to TCEQ in an NOC within fourteen (14) days after discovery.

(b) Information on an NOC may include, but is not limited to, the following:

i. a change in the description of the construction project;

ii. an increase in the number of acres disturbed (for increases of one (1) or more acres);

iii. or the name of the operator (where the name of the operator has changed).

(c) Electronic NOC.

Applicants must submit an NOC using the online ePermits system available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. All waivers from electronic reporting are not transferrable. Electronic reporting waivers expire on the same date as the authorization to discharge, except for temporary waivers that expire one (1) year from issuance. A copy of the NOC form or letter must also be placed in the SWP3 and provided to the operator of any MS4 receiving the discharge. Operators are authorized immediately following confirmation of receipt of the electronic form by the TCEQ, unless otherwise notified by the executive director.

(d) Paper NOC.

Applicants who request and obtain an electronic reporting waiver shall submit the NOC on a paper form provided by the executive director, or by letter if an NOC form is not available.

(e) A copy of the NOC form or letter must also be placed in the SWP3 and provided to the operator of any MS4 receiving the discharge. A list that includes the names and addresses of all MS4 operators receiving a copy of the NOC (or NOC letter) must be included in the SWP3. Information that may not be included on an NOC includes but is not limited to the following:

i. transfer of operational control from one operator to another, including a transfer of the ownership of a company. A transfer of ownership of a company includes changes to the structure of a company, such as changing from a partnership to a corporation or changing corporation types, so that the filing or charter number that is on record with the Texas Secretary of State (SOS) must be changed.

ii. coverage under this general permit is not transferable from one operator to another. Instead, the new operator will need to submit an NOI or LREW, as applicable, and the previous operator will need to submit an NOT.

iii. a decrease in the number of acres disturbed. This information must be included in the SWP3 and retained on site.

8. Signatory Requirement for NOI Forms, NOT Forms, NOC Forms, and Construction Site Notices

NOI forms, NOT forms, NOC forms, and Construction Site Notices that require a signature must be signed according to 30 TAC § 305.44 (relating to Signatories for Applications).

Section F. Terminating Coverage

1. Notice of Termination (NOT) Required

   Each operator that has submitted an NOI for authorization of large construction activities under this general permit must apply to terminate that authorization following the conditions described in this section of the general permit.

   Authorization of large construction must be terminated by submitting an NOT electronically via the online ePermits system available through the TCEQ website, or on a paper NOT form to TCEQ supplied by the executive director with an approved waiver from electronic reporting. Authorization to discharge under this general permit terminates at midnight on the day a paper NOT is postmarked for delivery to the TCEQ or immediately following confirmation of the receipt of the NOT submitted electronically by the TCEQ.

   Applicants must submit an NOT using the online ePermits system available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge, except for temporary waivers that expire one (1) year from issuance.

   The NOT must be submitted to TCEQ, and a copy of the NOT provided to the operator of any MS4 receiving the discharge (with a list in the SWP3 of the names and addresses of all MS4 operators receiving a copy), within 30 days after any of the following conditions are met:

   (a) final stabilization has been achieved on all portions of the site that are the responsibility of the operator;

   (b) a transfer of operational control has occurred (See Section II.F.4. below); or

   (c) the operator has obtained alternative authorization under an individual TPDES permit or alternative TPDES general permit.

   Compliance with the conditions and requirements of this permit is required until the NOT is submitted and approved by TCEQ.

2. Minimum Contents of the NOT

   The NOT form shall require, at a minimum, the following information:

   (a) if authorization for construction activity was granted following submission of an NOI, the permittee's site-specific TPDES authorization number for a specific construction site;

   (b) an indication of whether final stabilization has been achieved at the site and a NOT has been submitted or if the permittee is simply no longer an operator at the site;

   (c) the name, address, and telephone number of the permittee submitting the NOT;

   (d) the name (or other identifier), address, county, and location (latitude/longitude) of the construction project or site; and

   (e) a signed certification that either all stormwater discharges requiring authorization under this general permit will no longer occur, or that the applicant is no longer the operator of the facility or construction site, and that all temporary structural erosion controls have either been removed, will be removed on a schedule defined in the SWP3, or have been transferred to a new operator if the new operator has applied for permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

3. Termination of Coverage for Small Construction Sites and for Secondary Operators at Large Construction Sites

   (a) Each operator that has obtained automatic authorization for small construction or is a secondary operator for large construction must perform the following when terminating coverage under the permit:

      i. remove the TCEQ site notice;

      ii. complete the applicable portion of the TCEQ site notice related to removal of the TCEQ site notice; and

      iii. submit a copy of the completed TCEQ site notice to the operator of any MS4 receiving the discharge (or provide alternative notification as allowed by the MS4 operator, with documentation of such notification included in the SWP3).

   (b) The activities described in Part II.F.3.(a) above must be completed by the operator within 30 days of meeting any of the following conditions:

      i. final stabilization has been achieved on all portions of the site that are the responsibility of the operator;

      ii. a transfer of day-to-day operational control over activities necessary to ensure compliance with the SWP3 and other permit conditions has occurred (See Section II.F.4. below); or

      iii. the operator has obtained alternative authorization under an individual or general TPDES permit.

   For Small Construction Sites and Secondary Operators at Large Construction Sites, authorization to discharge under this general permit terminates immediately upon removal of the applicable TCEQ construction site notice. Compliance with the conditions and requirements of this permit is required until the TCEQ construction site notice is removed. The construction site notice cannot be removed until final stabilization has been achieved.

4. Transfer of Day-to-Day Operational Control

   (a) When the primary operator of a large construction activity changes or operational control over activities necessary to ensure compliance with the SWP3 and other permit conditions is transferred to another primary operator, the original operator must do the following:

      i. submit an NOT within ten (10) days prior to the date that responsibility for operations terminates, and the new operator must submit an NOI at least ten (10) days prior to the transfer of operational control, in accordance with condition (c) below; and

      ii. submit a copy of the NOT from the primary operator terminating its coverage under the permit and its operational control of the construction site and submit a copy of the NOI from the new primary operator to the operator of any MS4 receiving the discharge in accordance with Part II.F.1. above.

   (b) For transfer of operational control, operators of small construction activities and secondary operators of large construction activities who are not required to submit an NOI must do the following:

      i. the existing operator must remove the original TCEQ construction site notice, and the new operator must post the required TCEQ construction site notice prior to the transfer of operational control, in accordance with the conditions in Part II.F.4.(c) i or ii below; and

ii. a copy of the TCEQ construction site notice, which must be completed and provided to the operator of any MS4 receiving the discharge, in accordance with Part II.F.3. above.

(c) Each operator is responsible for determining its role as an operator as defined in Part I.B. and obtaining authorization under the permit, as described above in Part II.E. 1. - 3. Where authorization has been obtained by submitting an NOI for coverage under this general permit, permit coverage is not transferable from one operator to another. A transfer of operational control can include changes to the structure of a company, such as changing from a partnership to a corporation, or changing to a different corporation type such that a different filing (or charter) number is established with the Texas Secretary of State (SOS). A transfer of operational control can also occur when one of the following criteria is met, as applicable:

i. another operator has assumed control over all areas of the site that do not meet the definition for final stabilization;

ii. all silt fences and other temporary erosion controls have either been removed, scheduled for removal as defined in the SWP3, or transferred to a new operator, provided that the original permitted operator has attempted to notify the new operator in writing of the requirement to obtain permit coverage. Records of this notification (or attempt at notification) shall be retained by the operator transferring operational control to another operator in accordance with Part VI of this permit. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal; or

iii. a homebuilder has purchased one (1) or more lots from an operator who obtained coverage under this general permit for a common plan of development or sale. The homebuilder is considered a new operator and shall comply with the requirements of this permit. Under these circumstances, the homebuilder is only responsible for compliance with the general permit requirements as they apply to the lot(s) it has operational control over in a larger common plan of development, and the original operator remains responsible for common controls or discharges, and must amend its SWP3 to remove the lot(s) transferred to the homebuilder.

Section G. Waivers from Coverage

The executive director may waive the otherwise applicable requirements of this general permit for stormwater discharges from small construction activities under the terms and conditions described in this section.

1. Waiver Applicability and Coverage

Operators of small construction activities may apply for and receive a waiver from the requirements to obtain authorization under this general permit, when the calculated rainfall erosivity (R) factor for the entire period of the construction project is less than five (5).

The operator must submit a Low Rainfall Erosivity Waiver (LREW) certification form to the TCEQ electronically via the online ePermits system available through the TCEQ website. The LREW form is a certification by the operator that the small construction activity will commence and be completed within a period when the value of the calculated R factor is less than five (5).

Applicants who request and obtain an electronic reporting waiver shall submit the LREW on a paper form provided by the executive director at least seven (7) days prior to commencing construction activity to obtain provisional coverage 48-hours from the postmark date for delivery to the TCEQ. An authorization is no longer provisional when the executive director finds the LREW is administratively complete, and an authorization number is issued to the permittee for the construction site indicated on the LREW. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge, except for temporary waivers that expire one (1) year from issuance.

This LREW from coverage does not apply to any non-stormwater discharges, including what is allowed under this permit. The operator must ensure that all non-stormwater discharges are either authorized under a separate permit or authorization or are captured and routed to an authorized treatment facility for disposal.

2. Steps to Obtaining a Waiver

The construction site operator may calculate the R factor to request a waiver using the following steps:

(a) estimate the construction start date and the construction end date. The construction end date is the date that final stabilization will be achieved.

(b) find the appropriate Erosivity Index (EI) zone in Appendix B of this permit.

(c) find the EI percentage for the project period by adding the results for each period of the project using the table provided in Appendix D of this permit, in EPA Fact Sheet 2.1, or in USDA Handbook 703, by subtracting the start value from the end value to find the percent EI for the site.

(d) refer to the Isoerodent Map (Appendix C of this permit) and interpolate the annual isoerodent value for the proposed construction location.

(e) multiply the percent value obtained in Step (c) above by the annual isoerodent value obtained in Step (d). This is the R factor for the proposed project. If the value is less than five (5), then a waiver may be obtained. If the value is five (5) or more, then a waiver may not be obtained, and the operator must obtain coverage under Part II.E.2. of this permit.

Alternatively, the operator may calculate a site-specific R factor utilizing the following online calculator: https://lew.epa.gov/, or using another available resource.

A copy of the LREW certification form is not required to be posted at the small construction site.

3. Effective Date of an LREW

Unless otherwise notified by the executive director, operators of small construction activities seeking coverage under an LREW are provisionally waived from the otherwise applicable requirements of this general permit 48-hours from the date that a completed paper LREW certification form is postmarked for delivery to TCEQ, or immediately upon receiving confirmation of approval of an electronic submittal, made via the online ePermits system available through the TCEQ website.

Applicants seeking coverage under an LREW must submit an application for an LREW using the online ePermits system available through the TCEQ website, or request and obtain a waiver from electronic reporting from the TCEQ. Waivers from electronic reporting are not transferrable and expire on the same date as the authorization to discharge.

4. Activities Extending Beyond the LREW Period

   If a construction activity extends beyond the approved waiver period due to circumstances beyond the control of the operator, the operator must either:

   (a) recalculate the R factor using the original start date and a new projected ending date, and if the R factor is still under five (5), submit a new LREW form at least two (2) days before the end of the original waiver period; or

   (b) obtain authorization under this general permit according to the requirements for automatic authorization for small construction activities in Part II.E.2. of this permit, prior to the end of the approved LREW period.

Section H. Alternative TPDES Permit Coverage

1. Individual Permit Alternative

   Any discharge eligible for coverage under this general permit may alternatively be authorized under an individual TPDES permit according to 30 TAC Chapter 305 (relating to Consolidated Permits). Applications for individual permit coverage must be submitted at least 330 days prior to commencement of construction activities to ensure timely authorization. Existing coverage under this general permit should not be terminated until an individual permit is issued and in effect.

2. General Permit Alternative

   Any discharges eligible for authorization under this general permit may alternatively be authorized under a separate general permit according to 30 TAC Chapter 205 (relating to General Permits for Waste Discharges), as applicable.

3. Individual Permit Required

   The executive director may require an operator of a construction site, otherwise eligible for authorization under this general permit, to apply for an individual TPDES permit in the following circumstances:

   (a) the conditions of an approved TMDL or TMDL I-Plan on the receiving water;

   (b) the activity being determined to cause, has a reasonable potential to cause, or contribute to a violation of water quality standards or being found to cause, or contribute to, the loss of a designated use of surface water in the state; and

   (c) any other consideration defined in 30 TAC Chapter 205 (relating to General Permits for Waste Discharges) including 30 TAC § 205.4(c)(3)(D), which allows the commission to deny authorization under the general permit and require an individual permit if a discharger has been determined by the executive director to have been out of compliance with any rule, order, or permit of the commission, including non-payment of fees assessed by the executive director.

      A discharger with a TCEQ compliance history rating of “unsatisfactory” is ineligible for coverage under this general permit. In that case, 30 TAC § 60.3 requires the executive director to deny or suspend an authorization to discharge under a general permit. However, per TWC § 26.040(h), a discharger is entitled to a hearing before the commission prior to having an authorization denied or suspended for having an “unsatisfactory” compliance history.

   Denial of authorization to discharge under this general permit or suspension of a permittee’s authorization under this general permit for reasons other than compliance history shall be done according to commission rules in 30 TAC Chapter 205 (relating to General Permits for Waste Discharges).

Section I. Permit Expiration

1. This general permit is effective for a term not to exceed five (5) years. All active discharge authorizations expire on the date provided on page one (1) of this permit. Following public notice and comment, as provided by 30 TAC § 205.3 (relating to Public Notice, Public Meetings, and Public Comment), the commission may amend, revoke, cancel, or renew this general permit. All authorizations that are active at the time the permit term expires will be administratively continued as indicated in Part II.I.2. below and in Part II.D.1.(b) and D.2.(b) of this permit.
2. If the executive director publishes a notice of the intent to renew or amend this general permit before the expiration date, the permit will remain in effect for existing, authorized discharges until the commission takes final action on the permit. Upon issuance of a renewed or amended permit, permittees may be required to submit an NOI within 90 days following the effective date of the renewed or amended permit, unless that permit provides for an alternative method for obtaining authorization.
3. If the commission does not propose to reissue this general permit within 90 days before the expiration date, permittees shall apply for authorization under an individual permit or an alternative general permit. If the application for an individual permit is submitted before the expiration date, authorization under this expiring general permit remains in effect until the issuance or denial of an individual permit. No new NOIs will be accepted nor new authorizations honored under the general permit after the expiration date.

Part III. Stormwater Pollution Prevention Plans (SWP3)

All regulated construction site operators shall prepare an SWP3, prior to submittal of an NOI, to address discharges authorized under Parts II.E.2. and II.E.3. of this general permit that will reach waters of the U.S. This includes discharges to MS4s and privately owned separate storm sewer systems that drain into surface water in the state or waters of the U.S.

Individual operators at a site may develop separate SWP3s that cover only their portion of the project, provided reference is made to the other operators at the site. Where there is more than one (1) SWP3 for a site, operators must coordinate to ensure that BMPs and controls are consistent and do not negate or impair the effectiveness of each other. Regardless of whether a single comprehensive SWP3 is developed or separate SWP3s are developed for each operator, it is the responsibility of each operator to ensure compliance with the terms and conditions of this general permit in the areas of the construction site where that operator has control over construction plans and specifications or day-to-day operations.

An SWP3 must describe the implementation of practices that will be used to minimize to the extent practicable the discharge of pollutants in stormwater associated with construction activity and non-stormwater discharges described in Part II.A.3., in compliance with the terms and conditions of this permit.

An SWP3 must also identify any potential sources of pollution that have been determined to cause, have a reasonable potential to cause, or contribute to a violation of water quality standards or have been found to cause or contribute to the loss of a designated use of surface water in the state from discharges of stormwater from construction activities and construction support activities. Where potential sources of these pollutants are present at a construction site, the SWP3 must also contain a description of the management practices that will be used to prevent these pollutants from being discharged into surface water in the state or waters of the U.S.

> NOTE: Construction support activities can also include vehicle repair areas, fueling areas, etc. that are present at a construction site solely for the support construction activities and are only used by operators at the construction site.

The SWP3 is intended to serve as a road map for how the construction operator will comply with the effluent limits and other conditions of this permit. Additional portions of the effluent limits are established in Part IV. of the permit.

Section A. Shared SWP3 Development

For more effective coordination of BMPs and opportunities for cost sharing, a cooperative effort by the different operators at a site is encouraged. Operators of small and large construction activities must independently obtain authorization under this permit but may work together with other regulated operators at the construction site to prepare and implement a single, comprehensive SWP3, which can be shared by some or all operators, for the construction activities that each of the operators are performing at the entire construction site.

1. The SWP3 must include the following:
   (a) for small construction activities – the name of each operator that participates in the shared SWP3;
   (b) for large construction activities – the name of each operator that participates in the shared SWP3, the general permit authorization numbers of each operator (or the date that the NOI was submitted to TCEQ by each operator that has not received an authorization number for coverage under this permit); and
   (c) for large and small construction activities – the signature of each operator participating in the shared SWP3.
2. The SWP3 must clearly indicate which operator is responsible for satisfying each shared requirement of the SWP3. If the responsibility for satisfying a requirement is not described in the plan, then each permittee is entirely responsible for meeting the requirement within the boundaries of the construction site where they perform construction activities. The SWP3 must clearly describe responsibilities for meeting each requirement in shared or common areas.
3. The SWP3 may provide that one operator is responsible for preparation of a SWP3 in compliance with the CGP, and another operator is responsible for implementation of the SWP3 at the project site.

Section B. Responsibilities of Operators

1. Secondary Operators and Primary Operators with Control Over Construction Plans and Specifications

   All secondary operators and primary operators with control over construction plans and specifications shall:
   (a) ensure the project specifications allow or provide that adequate BMPs are developed to meet the requirements of Part III of this general permit;
   (b) ensure that the SWP3 indicates the areas of the project where they have control over project specifications, including the ability to make modifications in specifications;
   (c) ensure that all other operators affected by modifications in project specifications are notified in a timely manner so that those operators may modify their BMP s as necessary to remain compliant with the conditions of this general permit; and

(d) ensure that the SWP3 for portions of the project where each operator has control indicates the name and site-specific TPDES authorization number(s) for operators with the day-to-day operational control over those activities necessary to ensure compliance with the SWP3 and other permit conditions. If a primary operator has not been authorized or has abandoned the site, the secondary operator is considered to be the responsible party and must obtain authorization as a primary operator under the permit, until the authority for day-to-day operational control is transferred to another primary operator. The new primary operator must update or develop a new SWP3 that will reflect the transfer of operational control and include any additional updates to the SWP3 to meet requirements of the permit.

2. Primary Operators with Day-to-Day Operational Control

Primary operators with day-to-day operational control of those activities at a project that are necessary to ensure compliance with an SWP3 and other permit conditions must ensure that the SWP3 accomplishes the following requirements:

(a) meets the requirements of this general permit for those portions of the project where they are operators;

(b) identifies the parties responsible for implementation of BMPs described in the SWP3;

(c) indicates areas of the project where they have operational control over day-to-day activities; and

(d) the name and site-specific TPDES authorization number of the parties with control over project specifications, including the ability to make modifications in specifications for areas where they have operational control over day-to-day activities.

Section C. Deadlines for SWP3 Preparation, Implementation, and Compliance

The SWP3 must be prepared prior to obtaining authorization under this general permit, and implemented prior to commencing construction activities that result in soil disturbance. The SWP3 must be prepared so that it provides for compliance with the terms and conditions of this general permit.

Section D. Plan Review and Making Plans Available

1. The SWP3 must be retained on-site at the construction site or, if the site is inactive or does not have an on-site location to store the plan, a notice must be posted describing the location of the SWP3. The SWP3 must be made readily available at the time of an on-site inspection to: the executive director; a federal, state, or local agency approving sediment and erosion plans, grading plans, or stormwater management plans; local government officials; and the operator of a municipal separate storm sewer receiving discharges from the site. If the SWP3 is retained off-site, then it shall be made available as soon as reasonably possible. In most instances, it is reasonable that the SWP3 shall be made available within 24 hours of the request.

   NOTE: The SWP3 may be prepared and kept electronically, rather than in paper form, if the records are: (a) in a format that can be read in a similar manner as a paper record; (b) legally valid with no less evidentiary value than their paper equivalent; and (c) immediately accessible to the inspector during an inspection to the same extent as a paper copy stored at the site would be, if the records were stored in paper form.

2. Operators with authorization for construction activity under this general permit must post a TCEQ site notice at the construction site at a place readily available for viewing by the general public, and local, state, and federal authorities.

(a) Primary and secondary operators of large construction activities must each post a TCEQ construction site notice, respective to their role as an operator at the construction site, as required above and according to requirements in Part II.E.3. of this general permit.

(b) Primary and secondary operators of small construction activities must post the TCEQ site notice as required in Part III.D.2.(a) above and for the specific type of small construction described in Part II.E.1. and 2. of the permit.

(c) If the construction project is a linear construction project, such as a pipeline or highway, the notices must be placed in a publicly accessible location near where construction is actively underway. TCEQ construction site notices for small and large construction activities at these linear construction sites may be relocated, as necessary, along the length of the project, but must still be readily available for viewing by the general public; local, state, and federal authorities; and contain the following information:

i. the site-specific TPDES authorization number for the project if assigned;

ii. the operator name, contact name, and contact phone number;

iii. a brief description of the project; and

iv. the location of the SWP3.

3. This permit does not provide the general public with any right to trespass on a construction site for any reason, including inspection of a site; nor does this permit require that permittees allow members of the general public access to a construction site.

Section E. Revisions and Updates to SWP3s

The permittee must revise or update the SWP3, including the site map, within seven (7) days of when any of the following occurs:

1. a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been previously addressed in the SWP3;
2. changing site conditions based on updated plans and specifications, new operators, new areas of responsibility, and changes in BMPs; or
3. results of inspections or investigations by construction site personnel authorized by the permittee, operators of a municipal separate storm sewer system receiving the discharge, authorized TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWP3 is proving ineffective in eliminating or significantly minimizing pollutants in discharges authorized under this general permit.

Section F. Contents of SWP3

The SWP3 must be developed and implemented by primary operators of small and large construction activities and include, at a minimum, the information described in this section and must comply with the construction and development effluent guidelines in Part IV. of the general permit.

1. A site or project description, which includes the following information:

(a) a description of the nature of the construction activity;

(b) a list of potential pollutants and their sources;

(c) a description of the intended schedule or sequence of activities that will disturb soils for major portions of the site, including estimated start dates and duration of activities;

(d) the total number of acres of the entire property and the total number of acres where construction activities will occur, including areas where construction support activities (defined in Part I.B. of this general permit) occur;

(e) data describing the soil or the quality of any discharge from the site;

(f) a map showing the general location of the site (e.g., a portion of a city or county map);

(g) a detailed site map (or maps) indicating the following:

i. property boundary(ies);

ii. drainage patterns and approximate slopes anticipated before and after major grading activities;

iii. areas where soil disturbance will occur (note any phasing), including any demolition activities;

iv. locations of all controls and buffers, either planned or in place;

v. locations where temporary or permanent stabilization practices are expected to be used;

vi. locations of construction support activities, including those located off-site;

vii. surface waters (including wetlands) either at, adjacent, or in close proximity to the site, and also indicate whether those waters are impaired;

NOTE: Surface waters adjacent to or in close proximity to the site means any receiving waters within the site and all receiving waters within one mile downstream of the site's discharge point(s).

viii. locations where stormwater discharges from the site directly to a surface water body or a municipal separate storm sewer system;

ix. vehicle wash areas; and

x. designated points on the site where vehicles will exit onto paved roads (for instance, this applies to construction transition from unstable dirt areas to exterior paved roads).

Where the amount of information required to be included on the map would result in a single map being difficult to read and interpret, the operator shall develop a series of maps that collectively include the required information.

(h) the location and description of support activities authorized under the permittee's NOI, including asphalt plants, concrete plants, and other activities providing support to the construction site that is authorized under this general permit;

(i) the name of receiving waters at or near the site that may be disturbed or that may receive discharges from disturbed areas of the project;

(j) a copy of this TPDES general permit (an electronic copy of this TPDES general permit or a current link to this TPDES general permit on the TCEQ webpage is acceptable);

(k) the NOI and the acknowledgement of provisional and non-provisional authorization for primary operators of large construction sites, and the TCEQ site notice for small construction sites and for secondary operators of large construction sites;

(l) if signatory authority is delegated by an authorized representative, then a copy of the formal notification to TCEQ, as required by 30 TAC 305.128 relating to Signatories to Reports must be filed in the SWP3 and made available for review upon request by TCEQ or local MS4 Operator. For primary operators of large construction activities, the formal notification to TCEQ must be submitted either electronically through

STEERS, TCEQ's electronic reporting system, or, if qualifying for an electronic reporting waiver, by paper on a Delegation of Signatories form. For operators or small construction activities, the formal notification to TCEQ must be submitted by paper on a Delegation of Signatories form.

(m) stormwater and allowable non-stormwater discharge locations, including storm drain inlets on site and in the immediate vicinity of the construction site where construction support activities will occur; and

(n) locations of all pollutant-generating activities at the construction site and where construction support activities will occur, such as the following: Paving operations; concrete, paint and stucco washout and water disposal; solid waste storage and disposal; and dewatering operations.

2. A description of the BMPs that will be used to minimize pollution in runoff.

The description must identify the general timing or sequence for installation and implementation. At a minimum, the description must include the following components:

(a) General Requirements

i. Erosion and sediment controls must be designed to retain sediment on-site to the extent practicable with consideration for local topography, soil type, and rainfall.

ii. Control measures must be properly selected, installed, and maintained according to good engineering practices, and the manufacturer's or designer's specifications.

iii. Controls must be developed to minimize the offsite transport of litter, construction debris, construction materials, and other pollutants required of Part IV.D.

(b) Erosion Control and Stabilization Practices

The SWP3 must include a description of temporary and permanent erosion control and stabilization practices for the construction site, where small or large construction activity will occur. The erosion control and stabilization practices selected by the permittee must be compliant with the requirements for sediment and erosion control, located in Part IV. of this permit. The description of the SWP3 must also include a schedule of when the practices will be implemented. Site plans must ensure that existing vegetation at the construction site is preserved where it is possible.

i. Erosion control and stabilization practices may include but are not limited to: establishment of temporary or permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation, slope texturing, temporary velocity dissipation devices, flow diversion mechanisms, and other similar measures.

ii. The following records must be maintained and either attached to or referenced in the SWP3, and made readily available upon request to the parties listed in Part III.D.1 of this general permit:

(A) the dates when major grading activities occur;

(B) the dates when construction activities temporarily or permanently cease on a portion of the site; and

(C) the dates when stabilization measures are initiated.

iii. Erosion control and stabilization measures must be initiated immediately in portions of the site where construction activities have temporarily ceased and will not resume for a period exceeding fourteen (14) calendar days. Stabilization

measures that provide a protective cover must be initiated immediately in portions of the site where construction activities have permanently ceased. The term "immediately" is used to define the deadline for initiating stabilization measures. In the context of this requirement, "immediately" means as soon as practicable, but no later than the end of the next work day, following the day when the earth-disturbing activities have temporarily or permanently ceased. Except as provided in (A) through (D) below, these measures must be completed as soon as practicable, but no more than fourteen (14) calendar days after the initiation of soil stabilization measures:

(A) where the immediate initiation of vegetative stabilization measures after construction activity has temporarily or permanently ceased due to frozen conditions, non-vegetative controls must be implemented until thawing conditions (as defined in Part I.B. of this general permit) are present, and vegetative stabilization measures can be initiated as soon as practicable.

(B) in arid areas, semi-arid areas, or drought-stricken areas, as they are defined in Part I.B. of this general permit, where the immediate initiation of vegetative stabilization measures after construction activity has temporarily or permanently ceased or is precluded by arid conditions, other types of erosion control and stabilization measures must be initiated at the site as soon as practicable. Where vegetative controls are infeasible due to arid conditions, and within fourteen (14) calendar days of a temporary or permanent cessation of construction activity in any portion of the site, the operator shall immediately install non-vegetative erosion controls in areas of the construction site where construction activity is complete or has ceased. If non-vegetative controls are infeasible, the operator shall install temporary sediment controls as required in Part III.F.2.(b)iii.(C) below.

(C) in areas where non-vegetative controls are infeasible, the operator may alternatively utilize temporary perimeter controls. The operator must document in the SWP3 the reason why stabilization measures are not feasible, and must demonstrate that the perimeter controls will retain sediment on site to the extent practicable. The operator must continue to inspect the BMPs at the frequencies established in Part III.F.8.(c) for unstabilized sites.

(D) the requirement for permittees to initiate stabilization is triggered as soon as it is known with reasonable certainty that construction activity at the site or in certain areas of the site will be stopped for 14 or more additional calendar days. If the initiation or completion of vegetative stabilization is prevented by circumstances beyond the control of the permittee, the permittee must employ and implement alternative stabilization measures immediately. When conditions at the site changes that would allow for vegetative stabilization, then the permittee must initiate or complete vegetative stabilization as soon as practicable.

iv. Final stabilization must be achieved prior to termination of permit coverage.

v. TCEQ does not expect that temporary or permanent stabilization measures to be applied to areas that are intended to be left un-vegetated or un-stabilized following construction (e.g., dirt access roads, utility pole pads, areas being used for storage of vehicles, equipment, or materials).

(c) Sediment Control Practices

The SWP3 must include a description of any sediment control practices used to remove eroded soils from stormwater runoff, including the general timing or sequence for implementation of controls. Controls selected by the permittee must be compliant with the requirements in Part IV. of this permit.

i. Sites With Drainage Areas of Ten (10) or More Acres

(A) Sedimentation Basin(s) or Impoundments

(1) A sedimentation basin or similar impoundment is required, where feasible, for a common drainage location that serves an area with ten (10) or more acres disturbed at one time. A sedimentation basin or impoundment may be temporary or permanent, and must provide sufficient storage to contain a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained. When calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from offsite areas and flow from onsite areas that are either undisturbed or have already undergone permanent stabilization, if these flows are diverted around both the disturbed areas of the site and the sediment basin or similar impoundment. Capacity calculations shall be included in the SWP3. Sedimentation basins must be designed for and appropriate for controlling runoff at the site and existing detention or retention ponds at the site may not be appropriate.

(2) Where rainfall data is not available, or a calculation cannot be performed, the sedimentation basin must provide at least 3,600 cubic feet of storage per acre drained until final stabilization of the site.

(3) If a sedimentation basin or impoundment is not feasible, then the permittee shall provide equivalent control measures until final stabilization of the site. In determining whether installing a sediment basin or impoundment is feasible, the permittee may consider factors such as site soils, slope, available area, public safety, precipitation patterns, site geometry, site vegetation, infiltration capacity, geotechnical factors, depth to groundwater, and other similar considerations. The permittee shall document the reason that the sediment basins or impoundments are not feasible, and shall utilize equivalent control measures, which may include a series of smaller sediment basins or impoundments.

(4) Unless infeasible, when discharging from sedimentation basins and impoundments, the permittee shall utilize outlet structures that withdraw water from the surface.

(B) Perimeter Controls: At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.

ii. Controls for Sites with Drainage Areas Less than Ten (10) Acres:

(A) Sediment traps and sediment basins may be used to control solids in stormwater runoff for drainage locations serving less than ten (10) acres. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.

(B) Alternatively, a sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained may be utilized. Where rainfall data is not available or a calculation cannot be performed, a temporary or permanent sediment basin providing 3,600 cubic feet of storage per acre drained may be provided. If a calculation is performed, then the calculation shall be included in the SWP3.

(C) If sedimentation basins or impoundments are used, the permittee shall comply with the requirements in Part IV.F. of this general permit.

3. Description of Permanent Stormwater Controls

A description of any stormwater control measures that will be installed during the construction process to control pollutants in stormwater discharges that may occur after construction operations have been completed must be included in the SWP3. Permittees are responsible for the installation and maintenance of stormwater management measures, as follows:

(a) permittees authorized under the permit for small construction activities are responsible for the installation and maintenance of stormwater control measures prior to final stabilization of the site; or

(b) permittees authorized under the permit for large construction activities are responsible for the installation and maintenance of stormwater control measures prior to final stabilization of the site and prior to submission of an NOT.

4. Other Required Controls and BMPs

(a) Permittees shall minimize, to the extent practicable, the off-site vehicle tracking of sediments and dust. The SWP3 shall include a description of controls utilized to control the generation of pollutants that could be discharged in stormwater from the site.

(b) The SWP3 must include a description of construction and waste materials expected to be stored on-site and a description of controls to minimize pollutants from these materials.

(c) The SWP3 must include a description of potential pollutant sources in discharges of stormwater from all areas of the construction site where construction activity, including construction support activities, will be located, and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

(d) Permittees shall place velocity dissipation devices at discharge locations and along the length of any outfall channel (i.e., runoff conveyance) to provide a non-erosive flow velocity from the structure to a water course, so that the natural physical and biological characteristics and functions are maintained and protected.

(e) Permittees shall design and utilize appropriate controls in accordance with Part IV. of this permit to minimize the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site.

(f) Permittees shall ensure that all other required controls and BMPs comply with all of the requirements of Part IV. of this general permit.

(g) For demolition of any structure with at least 10,000 square feet of floor space that was built or renovated before January 1, 1980, and the receiving waterbody is impaired for polychlorinated biphenyls (PCBs):

i. implement controls to minimize the exposure of PCB-containing building materials, including paint, caulk, and pre-1980 fluorescent lighting fixtures to precipitation and to stormwater; and

ii. ensure that disposal of such materials is performed in compliance with applicable state, federal, and local laws.

5. Documentation of Compliance with Approved State and Local Plans

   (a) Permittees must ensure that the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or stormwater management site plans or site permits approved by federal, state, or local officials.

   (b) SWP3s must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or stormwater management site plans or site permits approved by state or local official for which the permittee receives written notice.

   (c) If the permittee is required to prepare a separate management plan, including but not limited to a WPAP or Contributing Zone Plan in accordance with 30 TAC Chapter 213 (related to the Edwards Aquifer), then a copy of that plan must be either included in the SWP3 or made readily available upon request to authorized personnel of the TCEQ. The permittee shall maintain a copy of the approval letter for the plan in its SWP3.

6. Maintenance Requirements

   (a) All protective measures identified in the SWP3 must be maintained in effective operating condition. If, through inspections or other means, as soon as the permittee determines that BMPs are not operating effectively, then the permittee shall perform maintenance as necessary to maintain the continued effectiveness of stormwater controls, and prior to the next rain event if feasible. If maintenance prior to the next anticipated storm event is impracticable, the reason shall be documented in the SWP3 and maintenance must be scheduled and accomplished as soon as practicable. Erosion and sediment controls that have been intentionally disabled, run-over, removed, or otherwise rendered ineffective must be replaced or corrected immediately upon discovery.

   (b) If periodic inspections or other information indicates a control has been used incorrectly, is performing inadequately, or is damaged, then the operator shall replace or modify the control as soon as practicable after making the discovery.

   (c) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%. For perimeter controls such as silt fences, berms, etc., the trapped sediment must be removed before it reaches 50% of the above-ground height.

   (d) If sediment escapes the site, accumulations must be removed at a frequency that minimizes off-site impacts, and prior to the next rain event, if feasible. If the permittee does not own or operate the off-site conveyance, then the permittee shall work with the owner or operator of the property to remove the sediment.

7. Observation and Evaluation of Dewatering Controls Pursuant to Part IV.C. of this General Permit

   (a) Personnel provided by the permittee must observe and evaluate dewatering controls at a minimum of once per day on the days where dewatering discharges from the construction site occur. Personnel conducting these evaluations must be knowledgeable of this general permit, the construction activities at the site, and the SWP3 for the site. Personnel conducting these evaluations are not required to have signatory authority for reports under 30 TAC § 305.128 (relating to Signatories to Reports).

(b) Requirements for Observations and Evaluations

i. A report summarizing the scope of any observation and evaluation must be completed within 24-hours following the evaluation. The report must also include, at a minimum, the following:

(A) date of the observations and evaluation;

(B) name(s) and title(s) of personnel making the observations and evaluation;

(C) approximate times that the dewatering discharge began and ended on the day of evaluation, or if the dewatering discharge is a continuous discharge that continues after normal business hours, indicate that the discharge is continuous (this information can be reported by personnel initiating the dewatering discharge);

(D) estimates of the rate (in gallons per day) of discharge on the day of evaluation;

(E) whether or not any indications of pollutant discharge were observed at the point of discharge (e.g., foam, oil sheen, noticeable odor, floating solids, suspended sediments, or other obvious indicators of stormwater pollution); and

(F) major observations, including: the locations of where erosion and discharges of sediment or other pollutants from the site have occurred; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.

ii. Actions taken as a result of evaluations, including the date(s) of actions taken, must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be retained as part of the SWP3 and signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

iii. The names and qualifications of personnel making the evaluations for the permittee may be documented once in the SWP3 rather than being included in each report.

8. Inspections of All Controls

(a) Personnel provided by the permittee must inspect disturbed areas (cleared, graded, or excavated) of the construction site that do not meet the requirements of final stabilization in this general permit, all locations where stabilization measures have been implemented, areas of construction support activity covered under this permit, stormwater controls (including pollution prevention controls) for evidence of, or the potential for, the discharge of pollutants, areas where stormwater typically flows within the construction site, and points of discharge from the construction site.

i. Personnel conducting these inspections must be knowledgeable of this general permit, the construction activities at the site, and the SWP3 for the site.

ii. Personnel conducting these inspections are not required to have signatory authority for inspection reports under 30 TAC § 305.128 (relating to Signatories to Reports).

(b) Requirements for Inspections

i. Inspect all stormwater controls (including sediment and erosion control measures identified in the SWP3) to ensure that they are installed properly, appear to be operational, and minimizing pollutants in discharges, as intended.

ii. Identify locations on the construction site where new or modified stormwater controls are necessary.

iii. Check for signs of visible erosion and sedimentation that can be attributed to the points of discharge where discharges leave the construction site or discharge into any surface water in the state flowing within or adjacent to the construction site.

iv. Identify any incidents of noncompliance observed during the inspection.

v. Inspect locations where vehicles enter or exit the site for evidence of off-site sediment tracking.

vi. If an inspection is performed when discharges from the construction site are occurring: identify all discharge points at the site, and observe and document the visual quality of the discharge (i.e., color, odor, floating, settled, or suspended solids, foam, oil sheen, and other such indicators of pollutants in stormwater).

vii. Complete any necessary maintenance needed, based on the results of the inspection and in accordance with the requirements listed in Part III.F.6. above.

(c) Inspection frequencies:

i. Inspections of construction sites must be conducted at least once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater, unless as otherwise provided below in Part III.F.8.(c)ii. – v. below.

(A) If a storm event produces 0.5 inches or more of rain within a 24-hour period (including when there are multiple, smaller storms that alone produce less than 0.5 inches but together produce 0.5 inches or more in 24 hours), you are required to conduct one inspection within 24 hours of when 0.5 inches of rain or more has fallen. When the 24-hour inspection time frame occurs entirely outside of normal working hours, you must conduct an inspection by no later than the end of the next business day.

(B) If a storm event produces 0.5 inches or more of rain within a 24-hour period on the first day of a storm and continues to produce 0.5 inches or more of rain on subsequent days, you must conduct an inspection within 24 hours of the first day of the storm and within 24 hours after the last day of the storm that produces 0.5 inches or more of rain (i.e., only two (2) inspections would be required for such a storm event). When the 24-hour inspection time frame occurs entirely outside of normal working hours, you must conduct an inspection by no later than the end of the next business day.

ii. Inspection frequencies must be conducted at least once every month in areas of the construction site that meet final stabilization or have been temporarily stabilized.

iii. Inspection frequencies for construction sites, where runoff is unlikely due to the occurrence of frozen conditions at the site, must be conducted at least once every month until thawing conditions begin to occur (see definitions for thawing conditions in Part I.B.). The SWP3 must also contain a record of the approximate beginning and ending dates of when frozen conditions occurred at the site, which resulted in inspections being conducted monthly, while those

conditions persisted, instead of at the interval of once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

iv. In arid, semi-arid, or drought-stricken areas, inspections must be conducted at least once every month and within 24 hours after the end of a storm event of 0.5 inches or greater. The SWP3 must also contain a record of the total rainfall measured, as well as the approximate beginning and ending dates of when drought conditions occurred at the site, which resulted in inspections being conducted monthly, while those conditions persisted, instead of at the interval of once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

v. As an alternative to the inspection schedule in Part III.F.8.(c)i. above, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, then the inspection must occur regardless of whether or not there has been a rainfall event since the previous inspection.

vi. The inspection procedures described in Part III.F.8.(c)i. – v above can be performed at the frequencies and under the applicable conditions indicated for each schedule option, provided that the SWP3 reflects the current schedule and that any changes to the schedule are made in accordance with the following provisions: the inspection frequency schedule can only be changed a maximum of once per calendar month and implemented within the first five (5) business days of a calendar month; and the reason for the schedule change documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season).

(d) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part III.F.8.(a) above.

i. Inspection of linear construction sites could require the use of vehicles that could compromise areas of temporary or permanent stabilization, cause additional disturbance of soils, and result in the increase the potential for erosion. In these circumstances, controls must be inspected at least once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater, but representative inspections may be performed.

ii. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described in Part III.F.8.(a) above. The conditions of the controls along each inspected 0.25-mile portion may be considered as representative of the condition of controls along that reach extending from the end of the 0.25-mile portion to either the end of the next 0.25-mile inspected portion, or to the end of the project, whichever occurs first.

As an alternative to the inspection schedule described in Part III.F.8.(c)i. above, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur regardless of whether or not there has been a rainfall event since the previous inspection.

iii. the SWP3 for a linear construction site must reflect the current inspection schedule. Any changes to the inspection schedule must be made in accordance with the following provisions:

(A) the schedule may be changed a maximum of one time each month;

(B) the schedule change must be implemented at the beginning of a calendar month, and

(C) the reason for the schedule change must be documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season).

(e) Adverse Conditions.

Requirements for inspections may be temporarily suspended for adverse conditions. Adverse conditions are conditions that are either dangerous to personnel (e.g., high wind, excessive lightning) or conditions that prohibit access to the site (e.g., flooding, freezing conditions). Adverse conditions that result in the temporary suspension of a permit requirement to inspect must be documented and included as part of the SWP3. Documentation must include:

i. the date and time of the adverse condition,

ii. names of personnel that witnessed the adverse condition, and

iii. a narrative for the nature of the adverse condition.

(f) In the event of flooding or other adverse conditions which prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable. Inspection Reports.

i. A report summarizing the scope of any inspection must be completed within 24-hours following the inspection. The report must also include the date(s) of the inspection and major observations relating to the implementation of the SWP3. Major observations in the report must include: the locations of where erosion and discharges of sediment or other pollutants from the site have occurred; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.

ii. Actions taken as a result of inspections, including the date(s) of actions taken, must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be retained as part of the SWP3 and signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

iii. The names and qualifications of personnel making the inspections for the permittee may be documented once in the SWP3 rather than being included in each report.

(g) The SWP3 must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions to the SWP3 must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the SWP3 and wherever possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable. If necessary, modify your site map to reflect changes to your stormwater controls that are no longer accurately reflected on the current site map.

9. The SWP3 must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-stormwater components of the discharge, as listed in Part II.A.3. of this permit.

10. The SWP3 must include the information required in Part III.B. of this general permit.

11. The SWP3 must include pollution prevention procedures that comply with Part IV.D. of this general permit.

Part IV. Erosion and Sediment Control Requirements Applicable to All Sites

Except as provided in 40 CFR §§ 125.30-125.32, any discharge regulated under this general permit, with the exception of sites that obtained waivers based on low rainfall erosivity, must achieve, at a minimum, the following effluent limitations representing the degree of effluent reduction attainable by application of the best practicable control technology currently available (BPT). The BPT are also required by and must satisfy the Effluent Limitations Guideline (ELG) permitting requirement for application of 40 CFR § 450.24 New Source Performance Standards (NSPS), 40 CFR § 450.22 Best Available Technology Economically Achievable (BAT), and 40 CFR § 450.23 Best Conventional Pollutant Control Technology (BCT).

Section A. Erosion and Sediment Controls

Design, install, and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed, and maintained to:

1. control stormwater volume and velocity within the site to minimize soil erosion in order to minimize pollutant discharges;
2. control stormwater discharges, including both peak flowrates and total stormwater volume, to minimize channel and streambank erosion and scour in the immediate vicinity of discharge point(s);
3. minimize the amount of soil exposed during construction activity;
4. minimize the disturbance of steep slopes;
5. minimize sediment discharges from the site. The design, installation, and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;
6. provide and maintain appropriate natural buffers around surface water in the state. Direct stormwater to vegetated areas and maximize stormwater infiltration to reduce pollutant discharges, unless infeasible. If providing buffers is infeasible, the permittee shall document the reason that natural buffers are infeasible and shall implement additional erosion and sediment controls to reduce sediment load;
7. preserve native topsoil at the site, unless the intended function of a specific area of the site dictates that the topsoil be disturbed or removed, or it is infeasible; and
8. minimize soil compaction. In areas of the construction site where final vegetative stabilization will occur or where infiltration practices will be installed, either:
   (a) restrict vehicle and equipment use to avoid soil compaction; or
   (b) prior to seeding or planting areas of exposed soil that have been compacted, use techniques that condition the soils to support vegetative growth, if necessary and feasible.

   Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted.
9. TCEQ does not consider stormwater control features (e.g., stormwater conveyance channels, storm drain inlets, sediment basins) to constitute “surface water” for the purposes of triggering the buffer requirement in Part IV.A.(6) above.

Section B. Soil Stabilization

Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding fourteen (14) calendar days. In the context of this requirement, "immediately" means as soon as practicable, but no later than the end of the next workday, following the day when the earth-disturbing activities have temporarily or permanently ceased. Temporary stabilization must be completed no more than fourteen (14) calendar days after initiation of soil stabilization measures, and final stabilization must be achieved prior to termination of permit coverage. In arid, semi-arid, and drought-stricken areas where initiating vegetative stabilization measures immediately is infeasible, alternative non-vegetative stabilization measures must be employed as soon as practicable. Refer to Part III.F.2.(b) for complete erosion control and stabilization practice requirements. In limited circumstances, stabilization may not be required if the intended function of a specific area of the site necessitates that it remain disturbed.

Section C. Dewatering

Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited, unless managed by appropriate controls to address sediment and prevent erosion. Operators must observe and evaluate the dewatering controls once per day while the dewatering discharge occurs as described in Part III.F.7. of this general permit.

Section D. Pollution Prevention Measures

Design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented, and maintained to:

1. minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
2. minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials present on the site to precipitation and to stormwater;
3. minimize the exposure of waste materials by closing waste container lids at the end of the workday and during storm events. For waste containers that do not have lids, where the container itself is not sufficiently secure enough to prevent the discharge of pollutants absent a cover and could leak, the permittee must provide either a cover (e.g., a tarp, plastic sheeting, temporary roof) to minimize exposure of wastes to precipitation, stormwater, and wind, or a similarly effective means designed to minimize the discharge of pollutants (e.g., secondary containment). Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use);
4. minimize exposure of wastes by implementing good housekeeping measures. Wastes must be cleaned up and disposed of in designated waste containers on days of operation at the site. Wastes must be cleaned up immediately if containers overflow;

5. minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period, you must notify the National Response Center (NRC) at (800) 424-8802 in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 as soon as you have knowledge of the release. You must also, within seven (7) calendar days of knowledge of the release, provide a description of the release, the circumstances leading to the release, and the date of the release; and
6. minimize exposure of sanitary waste by positioning portable toilets so that they are secure and will not be tipped or knocked over, and so that they are located away from surface water in the state and stormwater inlets or conveyances.

Section E. Prohibited Discharges

The following discharges are prohibited:

1. wastewater from wash out of concrete, unless managed by an appropriate control;
2. wastewater from wash out and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;
3. fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
4. soaps or solvents used in vehicle and equipment washing; and
5. toxic or hazardous substances from a spill or other release.

Section F. Surface Outlets

When discharging from basins and impoundments, utilize outlet structures that withdraw water from the surface, unless infeasible. If infeasible, the permittee must provide documentation in the SWP3 to support the determination, including the specific conditions or time periods when this exception will apply.

Part V. Stormwater Runoff from Concrete Batch Plants

Discharges of stormwater runoff from concrete batch plants present at regulated construction sites and operated as a construction support activity may be authorized under the provisions of this general permit, provided that the following requirements are met for concrete batch plant(s) authorized under this permit. Only the discharges of stormwater runoff and non-stormwater from concrete batch plants that meet the requirements of a construction support activity can be authorized under this permit (see the requirements for "Non-Stormwater Discharges" in Part II.A.3. and "Discharges of Stormwater Associated with Construction Support Activity" in Part II.A.2.).

If discharges of stormwater runoff or non-stormwater from concrete batch plants are not authorized under this general permit, then discharges must be authorized under an alternative general permit or individual permit [see the requirement in Part II.A.2.(c)].

This permit does not authorize the discharge or land disposal of any wastewater from concrete batch plants at regulated construction sites. Authorization for these wastes must be obtained under an individual permit or an alternative general permit.

Section A. Benchmark Sampling Requirements

1. Operators of concrete batch plants authorized under this general permit shall sample the stormwater runoff from the concrete batch plants according to the requirements of this section of this general permit, and must conduct evaluations on the effectiveness of the SWP3 based on the following benchmark monitoring values:

Table 1. Benchmark Parameters

Benchmark Parameter	Benchmark Value	Sampling Frequency	Sample Type
Oil and Grease (*1)	15 mg/L	1/quarter (*2) (*3)	Grab (*4)
Total Suspended Solids (*1)	50 mg/L	1/quarter (*2) (*3)	Grab (*4)
pH	6.0 – 9.0 Standard Units	1/quarter (*2) (*3)	Grab (*4)
Total Iron (*1)	1.3 mg/L	1/quarter (*2) (*3)	Grab (*4)

(*1) All analytical results for these parameters must be obtained from a laboratory that is accredited based on rules located in 30 TAC § 25.4 (a) or through the National Environmental Laboratory Accreditation Program (NELAP). Analysis must be performed using sufficiently sensitive methods for analysis that comply with the rules located in 40 CFR §§ 136.1(c) and 122.44(i)(1)(iv).

(*2) When discharge occurs. Sampling is required within the first 30 minutes of discharge. If it is not practicable to take the sample, or to complete the sampling, within the first 30 minutes, sampling must be completed within the first hour of discharge. If sampling is not completed within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity.

(*3) Sampling must be conducted at least once during each of the following periods. The first sample must be collected during the first full quarter that a stormwater discharge occurs from a concrete batch plant authorized under this general permit.

January through March
April through June
July through September
October through December

For projects lasting less than one full quarter, a minimum of one sample shall be collected, provided that a stormwater discharge occurred at least once following submission of the NOI or following the date that automatic authorization was obtained under Part II.E.2., and prior to terminating coverage.

(*4) A grab sample shall be collected from the stormwater discharge resulting from a storm event that is at least 0.1 inches of measured precipitation that occurs at least 72 hours from the previously measurable storm event. The sample shall be collected downstream of the concrete batch plant, and where the discharge exits any BMPs utilized to handle the runoff from the batch plant, prior to commingling with any other water authorized under this general permit.

2. The permittee must compare the results of sample analyses to the benchmark values above, and must include this comparison in the overall assessment of the SWP3's effectiveness. Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not numeric effluent limitations. Results of analyses are indicators that modifications of the SWP3 should be assessed and may be necessary to protect water quality. The operator must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 by the end of the quarter following the sampling event.

   The operator's investigation must identify the following:

   (a) any additional potential sources of pollution, such as spills that might have occurred;

   (b) necessary revisions to good housekeeping measures that are part of the SWP3;

   (c) additional BMPs, including a schedule to install or implement the BMPs; and

   (d) other parts of the SWP3 that may require revisions in order to meet the goal of the benchmark values.

   Background concentrations of specific pollutants may also be considered during the investigation. If the operator is able to relate the cause of the exceedance to background concentrations, then subsequent exceedances of benchmark values for that pollutant may be resolved by referencing earlier findings in the SWP3. Background concentrations may be identified by laboratory analyses of samples of stormwater run-on to the permitted facility, by laboratory analyses of samples of stormwater run-off from adjacent non-industrial areas, or by identifying the pollutant is a naturally occurring material in soils at the site.

Section B. Best Management Practices (BMPs) and SWP3 Requirements

Minimum SWP3 Requirements – The following are required in addition to other SWP3 requirements listed in this general permit, which include, but are not limited to the applicable requirements located in Part III.F.8. of this general permit, as follows:

1. Description of Potential Pollutant Sources – The SWP3 must provide a description of potential sources (activities and materials) that can cause, have a reasonable potential to cause or contribute to a violation of water quality standards or have been found to cause, or contribute to, the loss of a designated use of surface water in the state in stormwater discharges associated with concrete batch plants authorized under this permit. The SWP3 must describe the implementation of practices that will be used to minimize to the extent practicable the discharge of pollutants in stormwater discharges associated with industrial activity and non-stormwater discharges (described in Part II.A.3. of this general permit), in compliance with the terms and conditions of this general permit, including the protection of water quality, and must ensure the implementation of these practices.

   The following must be developed, at a minimum, in support of developing this description:

   (a) Drainage – The site map must include the following information:

      i. the location of all outfalls for stormwater discharges associated with concrete batch plants that are authorized under this permit;

      ii. a depiction of the drainage area and the direction of flow to the outfall(s);

      iii. structural controls used within the drainage area(s);

iv. the locations of the following areas associated with concrete batch plants that are exposed to precipitation: vehicle and equipment maintenance activities (including fueling, repair, and storage areas for vehicles and equipment scheduled for maintenance); areas used for the treatment, storage, or disposal of wastes; liquid storage tanks; material processing and storage areas; and loading and unloading areas; and

v. the locations of the following: any bag house or other dust control device(s); recycle/sedimentation pond, clarifier or other device used for the treatment of facility wastewater (including the areas that drain to the treatment device); areas with significant materials; and areas where major spills or leaks have occurred.

(b) Inventory of Exposed Materials – A list of materials handled at the concrete batch plant that may be exposed to stormwater and precipitation and that have a potential to affect the quality of stormwater discharges associated with concrete batch plants that are authorized under this general permit.

(c) Spills and Leaks – A list of significant spills and leaks of toxic or hazardous pollutants that occurred in areas exposed to stormwater and precipitation and that drain to stormwater outfalls associated with concrete batch plants authorized under this general permit must be developed, maintained, and updated as needed.

(d) Sampling Data – A summary of existing stormwater discharge sampling data must be maintained, if available.

2. Measures and Controls – The SWP3 must include a description of management controls to regulate pollutants identified in the SWP3's "Description of Potential Pollutant Sources" from Part V.B.1. of this permit, and a schedule for implementation of the measures and controls. This must include, at a minimum:

(a) Good Housekeeping – Good housekeeping measures must be developed and implemented in the area(s) associated with concrete batch plants.

i. Operators must prevent or minimize the discharge of spilled cement, aggregate (including sand or gravel), settled dust, or other significant materials from paved portions of the site that are exposed to stormwater. Measures used to minimize the presence of these materials may include regular sweeping or other equivalent practices. These practices must be conducted at a frequency that is determined based on consideration of the amount of industrial activity occurring in the area and frequency of precipitation, and shall occur at least once per week when cement or aggregate is being handled or otherwise processed in the area.

ii. Operators must prevent the exposure of fine granular solids, such as cement, to stormwater. Where practicable, these materials must be stored in enclosed silos, hoppers or buildings, in covered areas, or under covering.

(b) Spill Prevention and Response Procedures – Areas where potential spills that can contribute pollutants to stormwater runoff and precipitation, and the drainage areas from these locations, must be identified in the SWP3. Where appropriate, the SWP3 must specify material handling procedures, storage requirements, and use of equipment. Procedures for cleaning up spills must be identified in the SWP3 and made available to the appropriate personnel.

(c) Inspections – Qualified facility personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) must be identified to inspect designated equipment and areas of the facility specified in the SWP3. Personnel conducting these inspections are not required to have signatory authority for inspection reports under 30 TAC § 305.128. Inspections of facilities in operation must be performed

once every seven (7) days. Inspections of facilities that are not in operation must be performed at a minimum of once per month. The current inspection frequency being implemented at the facility must be recorded in the SWP3. The inspection must take place while the facility is in operation and must, at a minimum, include all areas that are exposed to stormwater at the site, including material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, truck wash down and equipment cleaning areas. Follow-up procedures must be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections must be maintained and be made readily available for inspection upon request.

(d) Employee Training – An employee training program must be developed to educate personnel responsible for implementing any component of the SWP3, or personnel otherwise responsible for stormwater pollution prevention, with the provisions of the SWP3. The frequency of training must be documented in the SWP3, and at a minimum, must consist of one (1) training prior to the initiation of operation of the concrete batch plant.

(e) Record Keeping and Internal Reporting Procedures – A description of spills and similar incidents, plus additional information that is obtained regarding the quality and quantity of stormwater discharges, must be included in the SWP3. Inspection and maintenance activities must be documented and records of those inspection and maintenance activities must be incorporated in the SWP3.

(f) Management of Runoff – The SWP3 shall contain a narrative consideration for reducing the volume of runoff from concrete batch plants by diverting runoff or otherwise managing runoff, including use of infiltration, detention ponds, retention ponds, or reusing of runoff.

3. Comprehensive Compliance Evaluation – At least once per year, one or more qualified personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) shall conduct a compliance evaluation of the plant. The evaluation must include the following:

(a) visual examination of all areas draining stormwater associated with regulated concrete batch plants for evidence of, or the potential for, pollutants entering the drainage system. These include, but are not limited to: cleaning areas, material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, and truck wash down and equipment cleaning areas. Measures implemented to reduce pollutants in runoff (including structural controls and implementation of management practices) must be evaluated to determine if they are effective and if they are implemented in accordance with the terms of this permit and with the permittee's SWP3. The operator shall conduct a visual inspection of equipment needed to implement the SWP3, such as spill response equipment.

(b) based on the results of the evaluation, the following must be revised as appropriate within two (2) weeks of the evaluation: the description of potential pollutant sources identified in the SWP3 (as required in Part V.B.1., "Description of Potential Pollutant Sources"); and pollution prevention measures and controls identified in the SWP3 (as required in Part V.B.2., "Measures and Controls"). The revisions may include a schedule for implementing the necessary changes.

(c) the permittee shall prepare and include in the SWP3 a report summarizing the scope of the evaluation, the personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the SWP3, and actions taken in response to the findings of the evaluation. The report must identify any incidents of noncompliance. Where the report does not identify incidences of noncompliance, the report must contain a statement that the evaluation did not identify any

incidence(s), and the report must be signed according to 30 TAC § 305.128 (relating to Signatories to Reports).

(d) the Comprehensive Compliance Evaluation may substitute for one of the required inspections delineated in Part V.B.2.(c) of this general permit.

Section C. Prohibition of Wastewater Discharges

Wastewater discharges associated with concrete production including wastewater disposal by land application are not authorized under this general permit. These wastewater discharges must be authorized under an alternative TCEQ water quality permit or otherwise disposed of in an authorized manner. Discharges of concrete truck wash out at construction sites may be authorized if conducted in accordance with the requirements of Part VI of this general permit.

Part VI. Concrete Truck Wash Out Requirements

This general permit authorizes the land disposal of wash out from concrete trucks at construction sites regulated under this general permit, provided the following requirements are met. Any discharge of concrete production wastewater to surface water in the state must be authorized under a separate TCEQ general permit or individual permit.

A. Discharge of concrete truck wash out water to surface water in the state, including discharge to storm sewers, is prohibited by this general permit.

B. Concrete truck wash out water shall be disposed in areas at the construction site where structural controls have been established to prevent discharge to surface water in the state, or to areas that have a minimal slope that allow infiltration and filtering of wash out water to prevent discharge to surface water in the state. Structural controls may consist of temporary berms, temporary shallow pits, temporary storage tanks with slow rate release, or other reasonable measures to prevent runoff from the construction site.

C. Wash out of concrete trucks during rainfall events shall be minimized. The discharge of concrete truck wash out water is prohibited at all times, and the operator shall insure that its BMPs are sufficient to prevent the discharge of concrete truck wash out as the result of rainfall or stormwater runoff.

D. The disposal of wash out water from concrete trucks, made under authorization of this general permit must not cause or contribute to groundwater contamination.

E. If a SWP3 is required to be implemented, the SWP3 shall include concrete wash out areas on the associated site map.

Part VII. Retention of Records

The permittee must retain the following records for a minimum period of three (3) years from the date that a NOT is submitted as required in Part II.F.1. and 2. of this permit. For activities in which an NOT is not required, records shall be retained for a minimum period of three (3) years from the date that the operator terminates coverage under Section II.F.3. of this permit. Records include:

A. a copy of the SWP3;

B. all reports and actions required by this permit, including a copy of the TCEQ construction site notice;

C. all data used to complete the NOI, if an NOI is required for coverage under this general permit; and

D. all records of submittal of forms submitted to the operator of any MS4 receiving the discharge and to the secondary operator of a large construction site, if applicable.

Part VIII. Standard Permit Conditions

A. The permittee has a duty to comply with all permit conditions. Failure to comply with any permit condition is a violation of the permit and statutes under which it was issued (CWA and TWC), and is grounds for enforcement action, for terminating, revoking and reissuance, or modification, or denying coverage under this general permit, or for requiring a discharger to apply for and obtain an individual TPDES permit, based on rules located in TWC § 23.086, 30 TAC § 305.66, and 40 CFR § 122.41 (a).

B. Authorization under this general permit may be modified, suspended, revoked and reissued, terminated or otherwise suspended for cause, based on rules located in TWC § 23.086, 30 TAC § 305.66, and 40 CFR § 122.41(f). Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee must furnish to the executive director, upon request and within a reasonable time, any information necessary for the executive director to determine whether cause exists for modifying, revoking and reissuing, terminating or, otherwise suspending authorization under this permit, based on rules located in TWC § 23.086, 30 TAC § 305.66, and 40 CFR § 122.41 (h). Additionally, the permittee must provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of this general permit.

C. It is not a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the permit conditions.

D. Inspection and entry shall be allowed under TWC Chapters 26-28, Texas Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 CFR § 122.41(i). The statement in TWC § 26.014 that commission entry of a facility shall occur according to an establishment's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the facility or site, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.

E. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under TWC Chapter 7 for violations including but not limited to the following:

1. negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA § 402, or any requirement imposed in a pretreatment program approved under CWA §§ 402(a)(3) or 402(b)(8);
2. knowingly making any false statement, representation, or certification in any record or other document submitted or required to be maintained under a permit, including monitoring reports or reports of compliance or noncompliance; and
3. knowingly violating CWA §303 and placing another person in imminent danger of death or serious bodily injury.

F. All reports and other information requested by the executive director must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

G. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.

H. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

I. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

J. The permittee shall comply with the monitoring and reporting requirements in 40 CFR § 122.41(j) and (l), as applicable.

K. Analysis must be performed using sufficiently sensitive methods for analysis that comply with the rules located in 40 CFR §§ 136.1(c) and 122.44(i)(1)(iv).

Part IX. Fees

A. A fee of must be submitted along with the NOI:

1. $225 if submitting an NOI electronically, or
2. $325 if submitting a paper NOI.

B. Fees are due upon submission of the NOI. An NOI will not be declared administratively complete unless the associated fee has been paid in full.

C. No separate annual fees will be assessed for this general permit. The Water Quality Annual Fee has been incorporated into the NOI fees as described above.

Appendix A: Automatic Authorization

Periods of Low Erosion Potential by County – Eligible Date Ranges

Andrews: Nov. 15 - Apr. 30

Archer: Dec. 15 - Feb. 14

Armstrong: Nov. 15 - Apr. 30

Bailey: Nov. 1 - Apr. 30, or Nov. 15 - May 14

Baylor: Dec. 15 - Feb. 14

Borden: Nov. 15 - Apr. 30

Brewster: Nov. 15 - Apr. 30

Briscoe: Nov. 15 - Apr. 30

Brown: Dec. 15 - Feb. 14

Callahan: Dec. 15 - Feb. 14

Carson: Nov. 15 - Apr. 30

Castro: Nov. 15 - Apr. 30

Childress: Dec. 15 - Feb. 14

Cochran: Nov. 1 - Apr. 30, or Nov. 15 - May 14

Coke: Dec. 15 - Feb. 14

Coleman: Dec. 15 - Feb. 14

Collingsworth: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28

Concho: Dec. 15 - Feb. 14

Cottle: Dec. 15 - Feb. 14

Crane: Nov. 15 - Apr. 30

Crockett: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30

Crosby: Nov. 15 - Apr. 30

Culberson: Nov. 1 - May 14

Dallam: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30

Dawson: Nov. 15 - Apr. 30

Deaf Smith: Nov. 15 - Apr. 30

Dickens: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30

Dimmit: Dec. 15 - Feb. 14

Donley: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28

Eastland: Dec. 15 - Feb. 14

Ector: Nov. 15 - Apr. 30

Edwards: Dec. 15 - Feb. 14

El Paso: Jan. 1 - Jul. 14, or May 15 - Jul. 31, or Jun. 1 - Aug. 14, or Jun. 15 - Sept. 14, or Jul. 1 - Oct. 14, or Jul. 15 - Oct. 31, or Aug. 1 - Apr. 30, or Aug. 15 - May 14, or Sept. 1 - May 30, or Oct. 1 - Jun. 14, or Nov. 1 - Jun. 30, or Nov. 15 - Jul. 14

Fisher: Dec. 15 - Feb. 14

Floyd: Nov. 15 - Apr. 30

Foard: Dec. 15 - Feb. 14

Gaines: Nov. 15 - Apr. 30

Garza: Nov. 15 - Apr. 30

Glasscock: Nov. 15 - Apr. 30

Hale: Nov. 15 - Apr. 30

Hall: Feb. 1 - Mar. 30

Hansford: Nov. 15 - Apr. 30

Hardeman: Dec. 15 - Feb. 14

Hartley: Nov. 15 - Apr. 30

Haskell: Dec. 15 - Feb. 14

Hockley: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30

Howard: Nov. 15 - Apr. 30

Hudspeth: Nov. 1 - May 14

Hutchinson: Nov. 15 - Apr. 30

Irion: Dec. 15 - Feb. 14

Jeff Davis: Nov. 1 - Apr. 30 or Nov. 15 - May 14

Jones: Dec. 15 - Feb. 14

Kent: Nov. 15 - Jan. 14 or Feb. 1 - Mar. 30

Kerr: Dec. 15 - Feb. 14

Kimble: Dec. 15 - Feb. 14

King: Dec. 15 - Feb. 14

Kinney: Dec. 15 - Feb. 14

Knox: Dec. 15 - Feb. 14

Lamb: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30

Loving: Nov. 1 - Apr. 30, or Nov. 15 - May 14

Lubbock: Nov. 15 - Apr. 30

Lynn: Nov. 15 - Apr. 30

Martin: Nov. 15 - Apr. 30

Mason: Dec. 15 - Feb. 14

Maverick: Dec. 15 - Feb. 14

McCulloch: Dec. 15 - Feb. 14

Menard: Dec. 15 - Feb. 14

Midland: Nov. 15 - Apr. 30

Mitchell: Nov. 15 - Apr. 30

Moore: Nov. 15 - Apr. 30

Motley: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30

Nolan: Dec. 15 - Feb. 14

Oldham: Nov. 15 - Apr. 30

Parmer: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30
Pecos: Nov. 15 - Apr. 30
Potter: Nov. 15 - Apr. 30
Presidio: Nov. 1 - Apr. 30, or Nov. 15 - May 14
Randall: Nov. 15 - Apr. 30
Reagan: Nov. 15 - Apr. 30
Real: Dec. 15 - Feb. 14
Reeves: Nov. 1 - Apr. 30, or Nov. 15 - May 14
Runnels: Dec. 15 - Feb. 14
Schleicher: Dec. 15 - Feb. 14
Scurry: Nov. 15 - Apr. 30
Shackelford: Dec. 15 - Feb. 14
Sherman: Nov. 15 - Apr. 30
Stephens: Dec. 15 - Feb. 14
Sterling: Nov. 15 - Apr. 30
Stonewall: Dec. 15 - Feb. 14
Sutton: Dec. 15 - Feb. 14
Swisher: Nov. 15 - Apr. 30
Taylor: Dec. 15 - Feb. 14
Terrell: Nov. 15 - Apr. 30
Terry: Nov. 15 - Apr. 30
Throckmorton: Dec. 15 - Feb. 14
Tom Green: Dec. 15 - Feb. 14
Upton: Nov. 15 - Apr. 30
Uvalde: Dec. 15 - Feb. 14
Val Verde: Nov. 15 - Jan. 14, or Feb. 1 - Mar. 30
Ward: Nov. 1 - Apr. 14, or Nov. 15 - Apr. 30
Wichita: Dec. 15 - Feb. 14
Wilbarger: Dec. 15 - Feb. 14
Winkler: Nov. 1 - Apr. 30, or Nov. 15 - May 14
Yoakum: Nov. 1 - Apr. 30, or Nov. 15 - May 14
Young: Dec. 15 - Feb. 14
Wheeler: Jan. 1 - Mar. 30, or Dec. 1 - Feb. 28
Zavala: Dec. 15 - Feb. 14

Appendix B: Storm Erosivity (EI) Zones in Texas

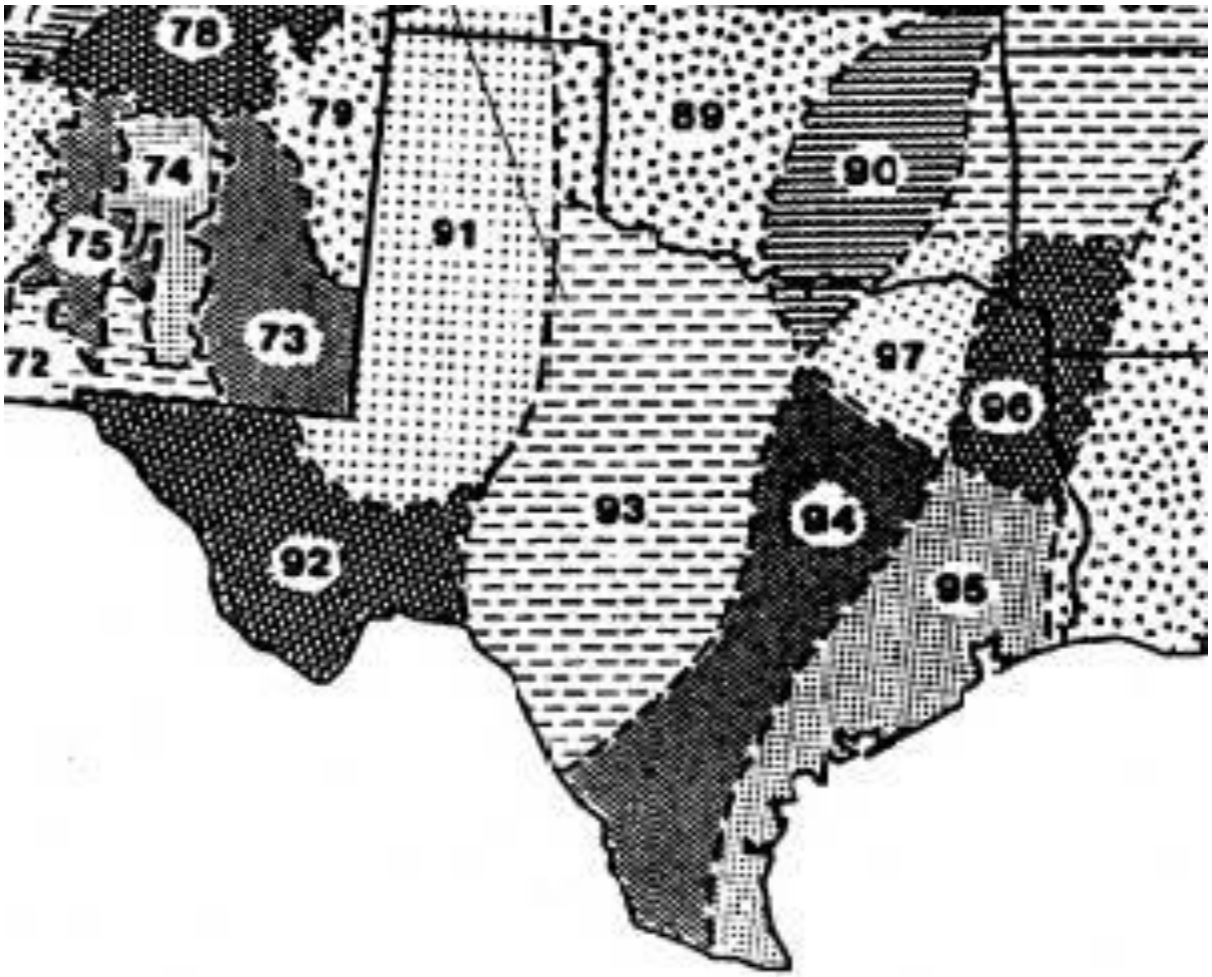


Figure B. EI Distribution Zones

Adapted from Chapter 2 of USDA Agriculture Handbook 703: "Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)," U.S. Department of Agriculture, Agricultural Research Service

Appendix C: Isoerodent Map

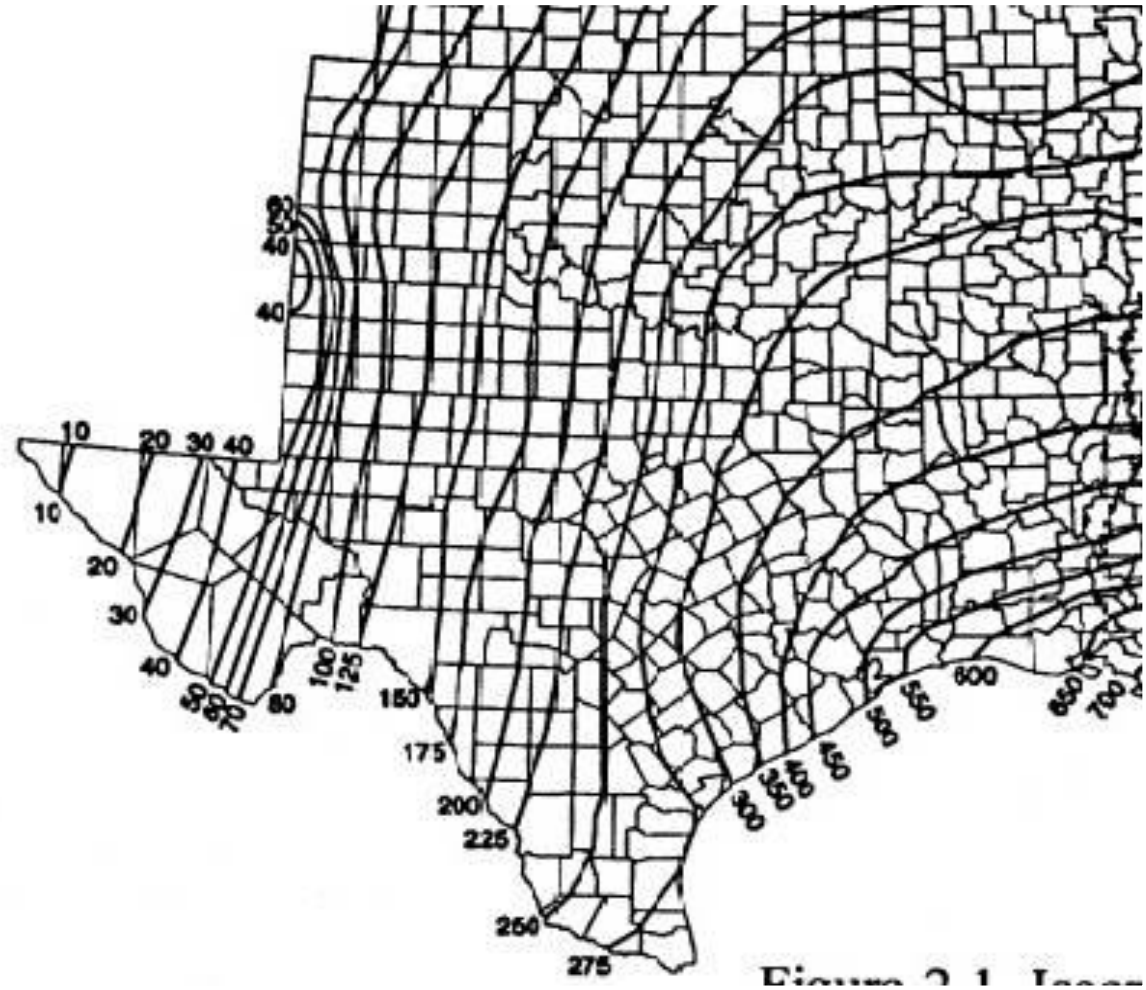


Figure C. Isoerodent Map of Texas. Units are hundreds ft*tonf*in(ac*h*yr)$^{-1}$

Adapted from Chapter 2 of USDA Agriculture Handbook 703: "Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)," U.S. Department of Agriculture, Agricultural Research Service

Appendix D: Erosivity Indices for EI Zones in Texas

Table D. EI as percentage of average annual computed selected geographic areas (EI number) by date period (month/day).

Date Periods* (Month/Day)

EI #	1/1	1/16	1/31	2/15	3/1	3/16	3/31	4/15	4/30	5/15	5/30	6/14	6/29	7/14	7/29	8/13	8/28	9/12	9/27	10/12	10/27	11/11	11/26	12/11	12/31
89	0	1	1	2	3	4	7	2	8	27	38	48	55	62	69	76	83	90	94	97	98	99	100	100	100
90	0	1	2	3	4	6	8	13	21	29	37	46	54	60	65	69	74	81	87	92	95	97	98	99	100
91	0	0	0	0	1	1	1	2	6	16	29	39	46	53	60	67	74	81	88	95	99	99	100	100	100
92	0	0	0	0	1	1	1	2	6	16	29	39	46	53	60	67	74	81	88	95	99	99	100	100	100
93	0	1	1	2	3	4	6	8	13	25	40	49	56	62	67	72	76	80	85	91	97	98	99	99	100
94	0	1	2	4	6	8	10	15	21	29	38	47	53	57	61	65	70	76	83	88	91	94	96	98	100
95	0	1	3	5	7	9	11	14	18	27	35	41	46	51	57	62	68	73	79	84	89	93	96	98	100
96	0	2	4	6	9	12	17	23	30	37	43	49	54	58	62	66	70	74	78	82	86	90	94	97	100
97	0	1	3	5	7	10	14	20	28	37	48	56	61	64	68	72	77	81	86	89	92	95	98	99	100
106	0	3	6	9	13	17	21	27	33	38	44	49	55	61	67	71	75	78	81	84	86	90	94	97	100

*Each period begins on the date listed in the table above and lasts until the day before the following period. The final period begins on December 11 and ends on December 31.

Table adapted from Chapter 2 of USDA Agriculture Handbook 703: "Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)," U.S. Department of Agriculture, Agricultural Research Service.

Texas Commission on Environmental Quality

Construction Notice of Intent

Site Information (Regulated Entity)

What is the name of the site to be authorized?	WOODCREEK WWTP
Does the site have a physical address?	Yes
Physical Address	
Number and Street	2611 FM 2325
City	WIMBERLEY
State	TX
ZIP	78676
County	HAYS
Latitude (N) (##.######)	30.0163
Longitude (W) (-###.######)	-98.1319
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102956448
What is the name of the Regulated Entity (RE)?	WOODCREEK WWTP
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	Approx. 1200 ft. S-SE of the intx. of FM 2325 and Jacob's Well Rd., approx. 4 mi. N of the community of Wimberley in Hays County
City	WOOD CREEK
State	TX
ZIP	78676
County	HAYS
Latitude (N) (##.######)	30.0163
Longitude (W) (-###.######)	-98.1319
Facility NAICS Code	221320
What is the primary business of this entity?	DOMESTIC N/D

Customer (Applicant) Information

How is this applicant associated with this site?	Operator
What is the applicant's Customer Number (CN)?	CN604062463
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Aqua Texas, Inc.
Texas SOS Filing Number	800304878

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Federal Tax ID	
State Franchise Tax ID	32014405503
State Sales Tax ID	
Local Tax ID	
DUNS Number	48341648
Number of Employees	501+
Independently Owned and Operated?	Yes
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

Responsible Authority Contact

Organization Name	Aqua Texas, Inc.
Prefix	
First	Gautam
Middle	
Last	Patwardhan
Suffix	
Credentials	PHD
Title	Lead Process Engineer

Responsible Authority Mailing Address

Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	762 W LANCASTER AVE
Routing (such as Mail Code, Dept., or Attn:)	
City	BRYN MAWR
State	PA
ZIP	19010
Phone (###-###-####)	6106451024
Extension	
Alternate Phone (###-###-####)	2672686280
Fax (###-###-####)	
E-mail	GPatwardhan@aquaamerica.com

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Burgess & Niple Engineering Inc
Prefix	
First	Maggie
Middle	
Last	Savage
Suffix	
Credentials	EIT
Title	EIT

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ZIP	78737
Phone (###-###-####)	5124321000
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	maggie.savage@burgessniple.com

CNOI General Characteristics

1	Is the project or site located on Indian Country Lands?	No
2	Is the project or site associated to a facility that is licensed for the storage of high-level radioactive waste by the United States Nuclear Regulatory Commission under 10 CFR Part 72?	No
3	Is your construction activity associated with an oil and gas exploration, production, processing, or treatment, or transmission facility?	No
4	Is the project or site associated to a quarrying facility that is located within either the John Graves Scenic Riverway or Coke Stevenson Scenic Riverway, as defined in 30 TAC 311.71?	No
5	What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site?	4952
6	If applicable, what is the Secondary SIC Code(s)?	
7	What is the total number of acres that the construction project or site will disturb under the control of the primary operator?	16.31
8	What is the construction project or site type?	Other
9	Is the project part of a larger common plan of development or sale?	No
10	What is the estimated start date of the project?	01/01/2025
11	What is the estimated end date of the project?	01/01/2025
12	Will concrete truck washout be performed at the site?	Yes
13	What is the name of the first water body(s) to receive the stormwater runoff or potential runoff from the site?	Wilson Creek
14	What is the segment number(s) of the classified water body(s) that the discharge will eventually reach?	1813
15	Is the discharge into a Municipal Separate Storm Sewer System (MS4)?	No
16	Is the discharge or potential discharge 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
16.1	I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or	Yes

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	referenced in the Stormwater Pollution Prevention Plan will be implemented.	
17	I certify that a stormwater pollution prevention plan (SWP3) 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 general permit TXR150000. 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.	Yes
18	I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000).	Yes
19	I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.	Yes

Certification

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

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.

1. I am Gautam Patwardhan, the owner of the STEERS account ER111111.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Construction Notice of Intent.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OPERATOR Signature: Gautam Patwardhan OPERATOR

Customer Number:	CN604062463
Legal Name:	Aqua Texas, Inc.
Account Number:	ER111111
Signature IP Address:	144.202.188.252
Signature Date:	2025-09-16
Signature Hash:	CBFB14C5E8527C2CD11B6051D9612106B32545801FFB6774FEDE154E653BC9A7
Form Hash Code at time of Signature:	811801C5CFA9E1C14313F26BA4EA132FC70BA0FC95900928A5E5D70182E88845

Fee Payment

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Transaction by:	The application fee payment transaction was made by ER108130/Maggie Savage
Paid by:	The application fee was paid by MAGGIE SAVAGE
Fee Amount:	$225.00
Paid Date:	The application fee was paid on 2025-09-17
Transaction/Voucher number:	The transaction number is 582EA000685168 and the voucher number is 783596

Submission

Reference Number:	The application reference number is 686759
Submitted by:	The application was submitted by ER108130/Maggie Savage
Submitted Timestamp:	The application was submitted on 2025-09-17 at 13:55:10 CDT
Submitted From:	The application was submitted from IP address 159.63.2.132
Confirmation Number:	The confirmation number is 678808
Steers Version:	The STEERS version is 6.92

Additional Information

Application Creator: This account was created by Maggie Savage

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Brooke T. Paup, *Chairwoman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 17, 2025

Dear Applicant:

Re: TPDES General Permit for Construction Stormwater Runoff (TXR150000)
Notice of Intent Authorization

Your Notice of Intent (NOI) application for authorization under the general permit for discharge of stormwater associated with construction activities has been received. Pursuant to authorization from the Executive Director of the Texas Commission on Environmental Quality, the Division Deputy Director of the Water Quality Division has issued the enclosed Certificate.

Please refer to the attached certificate for the authorization number that was assigned to your project/site and the effective date. Please use this number to reference this project/site for future communications with the Texas Commission on Environmental Quality (TCEQ).

Authorization under the Edwards Aquifer Protection Program is required before construction can begin where the site is located within the Edwards Aquifer Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone. See https://www.tceq.texas.gov/permitting/eapp/viewer.html for additional information.

It is the responsibility of the Operator to notify the TCEQ Stormwater Processing Center of any change in address supplied on the original Notice of Intent by submitting a Notice of Change.

A Notice of Termination must be submitted when permit coverage is no longer needed.

For questions related to processing of your application you may contact the Stormwater Processing Center by email at SWPERMIT@tceq.texas.gov or by telephone at (512) 239-3700. If you have any technical questions regarding the general permit, you may contact the stormwater technical staff by email at SWGP@tceq.texas.gov or by telephone at (512) 239-4671. Also, you may obtain information on the stormwater web site at https://www.tceq.texas.gov/permitting/stormwater.

Sincerely,

Robert Sadlier, Deputy Director

Water Quality Division

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Texas Pollutant Discharge Elimination System
Stormwater Construction General Permit

The Notice of Intent (NOI) for the facility listed below was received on September 17, 2025. The intent to discharge stormwater associated with construction activity under the terms and conditions imposed by the Texas Pollutant Discharge Elimination System (TPDES) stormwater Construction General Permit (CGP) TXR150000 is acknowledged. Your facility's unique TPDES CGP stormwater authorization number is:

TXR1545VW

Coverage Effective: September 17, 2025

The TCEQ's stormwater CGP requires certain stormwater pollution prevention and control measures, possible monitoring and reporting, and periodic inspections. Among the conditions and requirements of this permit, you must have prepared and implemented a stormwater pollution prevention plan (SWP3) that is tailored to your construction site. As a facility authorized to discharge under the stormwater CGP, all terms and conditions must be complied with to maintain coverage and avoid possible penalties.

Project/Site Information:
RN102956448
Woodcreek WWTP
2611 FM 2325
Wimberley, TX 78676
Hays County

Operator:
CN604062463
Aqua Texas, Inc.
762 W Lancaster Ave
Bryn Mawr, PA 19010

This CGP and all authorizations expire on March 5, 2028, unless otherwise amended. If you have any questions related to processing of your application, you may contact the Stormwater Processing Center by **email at** SWPERMIT@tceq.texas.gov **or by telephone at (512) 239-3700**. For technical issues, you may contact the stormwater technical staff by **email at** SWGP@tceq.texas.gov **or by telephone at (512) 239-4671**. Also, you may obtain information on the TCEQ web site at https://www.tceq.texas.gov/goto/wq-dpa. A copy of this document should be kept with your SWP3.

Issued Date: September 17, 2025

FOR THE COMMISSION

Pollution Prevention Measures and Controls

Include

- Best Management Practices and Sediment Controls (see page 38)
- Allowable Non-Stormwater Discharges (see page 47)

Instructions

Implement and describe your pollution prevention measures and controls. Perform maintenance as necessary to support the continued effectiveness of stormwater controls, prior to the next rain event if possible.

Updates and Recordkeeping

Be sure to keep this information up to date for your construction site. Update your SWP3 within seven days of any changes to site activities, processes, or characteristics.

Notes

Best Management Practices and Sediment Controls: Instructions

TXR150000 Part III Section F.2, F.3, and F.4(a)

Develop and Implement Best Management Practices (BMPs)

Develop and implement BMPs to reduce any potential or actual discharge of pollutants in stormwater. Implement effective erosion and sediment controls to minimize the discharge of pollutants. When developing BMPs, consider any standard operating procedures that may affect stormwater discharges.

Consider where and how you:

- handle and store materials and waste.
- conduct equipment and machinery maintenance.
- manage stormwater equipment.
- prevent off-site vehicle tracking of pollutants.

See examples of BMPs on page 41.

Know the Difference Between the Types of Basins

See Table 3 on the next page for information on the different types of basins, their purpose, and how you can use them at your site. You can find additional information on sedimentation basins for construction site stormwater runoff control in the EPA Sediment Basin and Rock Dam guidance document.[21]

21. www.epa.gov/system/files/documents/2021-11/bmp-sediment-basins-and-rock-dams.pdf

Table 3. Basin Types

Type of Basin (Pond)	Purpose and Design	How they work
Detention	Holds stormwater runoff from surrounding landscape, roads, rooftops, etc. Functions to trap pollutants in runoff (nutrients, metals, and sediments)	Stormwater is held in the basin and slowly released to nearby water bodies in a structured and controlled manner Reduces how fast runoff enters our natural waterways
Retention	Designed to permanently hold water Slows the flow of runoff so water can be stored for use during drier periods May not have an outlet structure	Collected water may infiltrate into the ground, evaporate, or released slowly in a controlled manner to prevent overflows and flooding May provide level of treatment through storage until natural processes remove contaminants
Sedimentation	Prevent sediment from entering surface water	Collect and detain runoff to allow suspended solids to settle out prior to leaving the site

Identify Your BMPs

List every BMP used on-site with the location and dates they were implemented.[22] Some BMPs may be used in more than one location or implemented at different times throughout the construction project.

If you install sedimentation basins or similar impoundment, include design specifications and other details (volume, dimensions, outlet structure) that will be implemented in compliance with the requirements in Part IV of the general permit. If it is infeasible for you to follow sedimentation basin requirements, include an explanation of why this is the case.

For example:

- If there is not enough physical space for a sedimentation basin at the site, operators may implement an alternative to protect water quality from sediment runoff.
- If local regulations require the use of a non-surface withdrawing outlet structure, such as a perforated riser pipe, operators may implement this alternative outlet structure to comply with local regulations.
- If there is surface level contamination in the sedimentation basin, operators may implement a below surface withdrawing outlet structure to prevent releasing contaminants.

22. If exact date is unknown, list the month and year or quarter and year they were implemented.

Notes

Examples of Best Management Practices (BMPs)

BMPs are not limited to the ones listed below. You can find additional information on BMPs on our Assistance Tools for Construction Stormwater General Permits[23] webpage.

Erosion and Stabilization Practices:

- Protect existing trees and vegetation
- Establish temporary/permanent vegetation
- Slope texturing
- Geotextiles and sod stabilization

Good Housekeeping Practices:

- Regular site sweeps to pick up litter
- Strategically placed trash dumpsters
- Store scrap construction materials in restricted areas
- Store construction materials inside trailers or buildings away from storm events

Sediment Controls:

- Sedimentation basins
- Silt fences
- Swales
- Mulch filter berms
- Rock berms
- Vegetative filter strips

Permanent Stormwater Controls:

- Extended detention basin
- Constructed wetlands
- Retention/Irrigation systems
- Wet basins
- Vegetative filter strips

23. www.tceq.texas.gov/assistance/water/stormwater/sw-construction.html

Notes

BMP: List Sheet

BMP: Vegetative Filter Strips	
Location	**Date Implemented**
Along base road	
Behind TE building	

BMP: Sedimentation-filtration Pond	
Location	**Date Implemented**
West pond	
East pond	

BMP:	
Location	**Date Implemented**

BMP:	
Location	**Date Implemented**

BMP:	
Location	**Date Implemented**

BMP:	
Location	**Date Implemented**

Notes

BMP: Sediment Basin List Sheet

Is your site larger than 10 acres?

☒ **Yes** ☐ **No**

Are there sedimentation basins or traps on-site?

☒ **Yes** ☐ **No**

**If yes, include calculations to show the sedimentation basin will provide sufficient storage to contain runoff from a 2-year, 24-hour storm from each disturbed acre drained within this section.*

**If no, move forward to the next section of the SWP3.*

Approximate Installation Date	December 2025	
Sedimentation Basin Description *(volume and dimensions)*	West Pond: Volume: 1,947 cf Dimensions: 5.14’ x 37.76’	East Pond: Volume: 7,202 cf Dimensions: 27.18’ x 78.56’
Outlet Structure	West Pond: 403’ long pipe to discharge at south part of site	East Pond: 367’ long pipe to discharge at south part of site

Are sedimentation basins or traps infeasible on-site?

☐ **Yes** ☒ **No**

**If yes, explain why:*

Notes

Allowable Non-Stormwater Discharges: Instructions

TXR150000 Part II Section A.3 and Part III Section F.9

Identify Allowable Non-Stormwater Discharges

Identify and implement appropriate pollution prevention measures for all allowable non-stormwater discharges. List any of the approved allowable non-stormwater discharges that may apply to your site, how you will prevent pollution from these discharges, and when the pollution control measures will be in place.

Allowable non-stormwater discharges include:

- Emergency fire-fighting activities
- Uncontaminated fire hydrant flushing
- Washing vehicles, buildings, or pavement without detergents or soap
- Uncontaminated water for dust control
- Flushing potable water sources
- Uncontaminated air condition condensate
- Uncontaminated ground or spring water
- Lawn watering or similar irrigation drainage

Notes

Allowable Non-Stormwater Discharges: List Sheet

Discharge	Pollution Prevention Measure(s)	Implementation Date
N/A		

Notes

Periodic Inspections, Evaluations, Maintenance, and Monitoring

Include

- Inspection Personnel (see page 53)
- Observation and Evaluation of Dewatering Controls (see page 55)
- Inspection of All Controls (see page 61)
- Adverse Conditions (see page 67)

Instructions

Record and describe your inspection and maintenance findings. Explain if any changes or updates are needed to pollution control practices. Document any adverse conditions that prevent site inspections or maintenance activities.

Updates and Recordkeeping

Be sure to keep this information up to date with your construction site. Update your SWP3 within seven days of any changes to site activities, processes, or characteristics.

Notes

Inspection Personnel

TXR150000 Part III Section F.7.b.iii and F.8.a

Identify Inspection Personnel

Personnel conducting site inspections must be knowledgeable of the Construction General Permit TXR150000, the construction activities and construction support activities on-site, and this SWP3. Personnel conducting these inspections do not need to have signatory authority for inspection reports.

Are you knowledgeable of the Construction General Permit?

☐ **Yes** ☐ **No**

Are you knowledgeable of the construction activities at this site?

☐ **Yes** ☐ **No**

Are you knowledgeable of this SWP3?

☐ **Yes** ☐ **No**

**If you answered no to any of the above questions, you are not qualified to conduct these inspections/evaluations.*

If the same qualified personnel conduct each inspection, you can list their name(s) below instead of on each inspection report:

Inspector(s): _____

_____

_____

Notes

Observation and Evaluation of Dewatering Controls: Instructions

TXR150000 Part III Section F.7

Routinely Observe and Evaluate Dewatering Controls and Record Results

Dewatering controls must be observed and evaluated once per day when dewatering discharge occurs. The observation and evaluation report should include:

- Date.
- Name(s) and title(s) of personnel.
- Estimates of the rate (in gallons per day) of discharge.
- Approximate start and end times of dewatering discharge.
- Any indications of pollutants observed at the point of discharge (e.g., color, clarity, presence of oil sheen or odor).
- Major observations such as:
    - locations where erosion and discharges of sediment or other pollutants occurred.
    - locations needing BMP maintenance or additional BMPs.
    - locations where BMPs failed or are inadequate.

Include descriptions of the actions taken in response to the observation and evaluation findings. Your report must contain any incidents of non-compliance. If there are not any incidents of non-compliance, the report must contain a certification that the facility or site complies with the SWP3 and this permit. The observation and evaluation report needs to be signed by personnel with signatory authority[24] and kept within the SWP3.

24. See 30 TAC Subsection 305.128

Notes

Dewatering Observation and Evaluation: Worksheets

Date of Observation and Evaluation:	**Personnel Name:**
Rate of Discharge Estimate: *Gallons per Day (GPD)*	**Personnel Title:**
Approximate Start: *Date and time*	**Approximate End:** *Date and time*

Observation and Evaluation Questions

Did you see any indications of pollutant discharge?

☐ **Yes (describe below)** ☐ **No**

Did you see any erosion?

☐ **Yes (describe below)** ☐ **No**

Did you see any instances of non-compliance?

☐ **Yes (describe below)** ☐ **No**

Are existing BMPs properly and completely implemented?

☐ **Yes** ☐ **No (describe below)**

Do you recommend any corrective actions or additional control measures?

☐ **Yes (describe below)** ☐ **No**

List any other observations:

Certification Statement:

30 TAC 305.128 “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 fines and imprisonment for knowing violations.

Signature: _____ Date: _____

Printed Name: _____

Notes

Inspections of All Controls: Instructions

TXR150000 Part III Section F.8

Inspect Pollution Controls

You must inspect areas of the construction site for evidence of, or potential for, pollutant discharge. If you are unable to perform the inspection because of adverse conditions, then please fill out the adverse conditions log sheet on page 69.

Requirements for inspections:

- Inspect pollution control measures and identify locations where new or modified stormwater controls are necessary.
- Check for signs of visible erosion and sedimentation.
- Identify any incidents of non-compliance.
- Inspect locations where vehicles enter or exit the site for off-site sediment tracking.
- If an inspection is performed when discharges from the site are occurring; identify all discharge points at the site and document the visual quality of discharge (i.e., color, odor, floating, settled, or suspended solids, foam, and oil sheen).

Inspection frequency options:

- Once every fourteen days and within 24 hours of the end of a storm event of 0.5 inches or greater.
- Once a month if areas of the site meet final stabilization or have been temporarily stabilized OR if there are frozen conditions at the site preventing runoff.
- Once a month if your site is in an arid, semi-arid, or drought-stricken area and within 24 hours after the end of a storm event of 0.5 inches or greater.
- Once every seven days regardless of a storm event.

Report Your Inspection Results

Your inspection report must be completed no later than 24-hours after the inspection. Include the date(s) of the inspection, the reason for the inspection, and any major observations. Major observations must include:

- Locations where erosion and discharges of sediment or other pollutants occurred.
- Locations needing BMP maintenance or additional BMPs.
- Locations where BMPs failed or are inadequate.

Describe any actions taken based on the inspection. If there are not any incidents of non-compliance, the report must contain a certification that the site complies with the SWP3 and TXR150000. The report must be retained as part of the SWP3 and signed by personnel with signatory authority.[25]

25. See 30 TAC Subsection 305.128

Notes

Inspection Plans and Procedures: Worksheet

Inspection Information:	Reason for Inspection:
Inspector Name:	☐ **14-day inspection**
Inspector Title:	☐ **Weekly inspection**
Inspection Date:	☐ **0.5 inch or greater rainfall event**
	☐ **Monthly inspection**

Inspection Questions:

Did you see any indications of pollutant discharge?

☐ **Yes (describe below)** ☐ **No**

Did you see any erosion?

☐ **Yes (describe below)** ☐ **No**

Did you see any instances of non-compliance?

☐ **Yes (describe below)** ☐ **No**

Are existing BMPs properly and completely implemented?

☐ **Yes** ☐ **No (describe below)**

Do you recommend any corrective actions or additional control measures?

☐ **Yes** ☐ **No (describe below)**

List any other observations:

Certification Statement:

30 TAC 305.128 "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 fines and imprisonment for knowing violations."

Signature: _____ Date: _____

Printed Name: _____

Notes

Adverse Conditions: Instructions

TXR150000 Part III Section F.8.e

Document Adverse Conditions

Document any adverse conditions that cause a delay or suspension of inspections in your SWP3.

Adverse conditions are conditions that:

- Are dangerous to personnel (such as high wind or excessive lightning).
- Prohibit access to the site (such as flooding or freezing conditions).

Documentation must include:

- Date and time of adverse conditions.
- Names of personnel that witnessed the adverse condition.
- Description of the adverse condition.

Notes

Adverse Conditions: Log Sheet

Date:
Time:
Witness Name:

Description of adverse conditions:

Texas Commission on Environmental Quality

Construction Notice of Intent

Site Information (Regulated Entity)

What is the name of the site to be authorized?	WOODCREEK WWTP
Does the site have a physical address?	Yes
Physical Address	
Number and Street	2611 FM 2325
City	WIMBERLEY
State	TX
ZIP	78676
County	HAYS
Latitude (N) (##.######)	30.0163
Longitude (W) (-###.######)	-98.1319
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102956448
What is the name of the Regulated Entity (RE)?	WOODCREEK WWTP
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	Approx. 1200 ft. S-SE of the intx. of FM 2325 and Jacob's Well Rd., approx. 4 mi. N of the community of Wimberley in Hays County
City	WOOD CREEK
State	TX
ZIP	78676
County	HAYS
Latitude (N) (##.######)	30.0163
Longitude (W) (-###.######)	-98.1319
Facility NAICS Code	221320
What is the primary business of this entity?	DOMESTIC N/D

Customer (Applicant) Information

How is this applicant associated with this site?	Operator
What is the applicant's Customer Number (CN)?	CN604062463
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Aqua Texas, Inc.
Texas SOS Filing Number	800304878

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Federal Tax ID	
State Franchise Tax ID	32014405503
State Sales Tax ID	
Local Tax ID	
DUNS Number	48341648
Number of Employees	501+
Independently Owned and Operated?	Yes
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

Responsible Authority Contact

Organization Name	Aqua Texas, Inc.
Prefix	
First	Gautam
Middle	
Last	Patwardhan
Suffix	
Credentials	PHD
Title	Lead Process Engineer

Responsible Authority Mailing Address

Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	762 W LANCASTER AVE
Routing (such as Mail Code, Dept., or Attn:)	
City	BRYN MAWR
State	PA
ZIP	19010
Phone (###-###-####)	6106451024
Extension	
Alternate Phone (###-###-####)	2672686280
Fax (###-###-####)	
E-mail	GPatwardhan@aquaamerica.com

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Burgess & Niple Engineering Inc
Prefix	
First	Maggie
Middle	
Last	Savage
Suffix	
Credentials	EIT
Title	EIT

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Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	235 LEDGESTONE DR
Routing (such as Mail Code, Dept., or Attn:)	
City	AUSTIN
State	TX
ZIP	78737
Phone (###-###-####)	5124321000
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	maggie.savage@burgessniple.com

CNOI General Characteristics

1	Is the project or site located on Indian Country Lands?	No
2	Is the project or site associated to a facility that is licensed for the storage of high-level radioactive waste by the United States Nuclear Regulatory Commission under 10 CFR Part 72?	No
3	Is your construction activity associated with an oil and gas exploration, production, processing, or treatment, or transmission facility?	No
4	Is the project or site associated to a quarrying facility that is located within either the John Graves Scenic Riverway or Coke Stevenson Scenic Riverway, as defined in 30 TAC 311.71?	No
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7	What is the total number of acres that the construction project or site will disturb under the control of the primary operator?	16.31
8	What is the construction project or site type?	Other
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11	What is the estimated end date of the project?	01/01/2025
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15	Is the discharge into a Municipal Separate Storm Sewer System (MS4)?	No
16	Is the discharge or potential discharge 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
16.1	I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or	Yes

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	referenced in the Stormwater Pollution Prevention Plan will be implemented.	
17	I certify that a stormwater pollution prevention plan (SWP3) 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 general permit TXR150000. 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.	Yes
18	I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000).	Yes
19	I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.	Yes

Certification

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

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.

1. I am Gautam Patwardhan, the owner of the STEERS account ER111111.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Construction Notice of Intent.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OPERATOR Signature: Gautam Patwardhan OPERATOR

Customer Number:	CN604062463
Legal Name:	Aqua Texas, Inc.
Account Number:	ER111111
Signature IP Address:	144.202.188.252
Signature Date:	2025-09-16
Signature Hash:	CBFB14C5E8527C2CD11B6051D9612106B32545801FFB6774FEDE154E653BC9A7
Form Hash Code at time of Signature:	811801C5CFA9E1C14313F26BA4EA132FC70BA0FC95900928A5E5D70182E88845

Fee Payment

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Transaction by:	The application fee payment transaction was made by ER108130/Maggie Savage
Paid by:	The application fee was paid by MAGGIE SAVAGE
Fee Amount:	$225.00
Paid Date:	The application fee was paid on 2025-09-17
Transaction/Voucher number:	The transaction number is 582EA000685168 and the voucher number is 783596

Submission

Reference Number:	The application reference number is 686759
Submitted by:	The application was submitted by ER108130/Maggie Savage
Submitted Timestamp:	The application was submitted on 2025-09-17 at 13:55:10 CDT
Submitted From:	The application was submitted from IP address 159.63.2.132
Confirmation Number:	The confirmation number is 678808
Steers Version:	The STEERS version is 6.92

Additional Information

Application Creator: This account was created by Maggie Savage

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Brooke T. Paup, *Chairwoman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 17, 2025

Dear Applicant:

Re: TPDES General Permit for Construction Stormwater Runoff (TXR150000)
Notice of Intent Authorization

Your Notice of Intent (NOI) application for authorization under the general permit for discharge of stormwater associated with construction activities has been received. Pursuant to authorization from the Executive Director of the Texas Commission on Environmental Quality, the Division Deputy Director of the Water Quality Division has issued the enclosed Certificate.

Please refer to the attached certificate for the authorization number that was assigned to your project/site and the effective date. Please use this number to reference this project/site for future communications with the Texas Commission on Environmental Quality (TCEQ).

Authorization under the Edwards Aquifer Protection Program is required before construction can begin where the site is located within the Edwards Aquifer Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone. See https://www.tceq.texas.gov/permitting/eapp/viewer.html for additional information.

It is the responsibility of the Operator to notify the TCEQ Stormwater Processing Center of any change in address supplied on the original Notice of Intent by submitting a Notice of Change.

A Notice of Termination must be submitted when permit coverage is no longer needed.

For questions related to processing of your application you may contact the Stormwater Processing Center by email at SWPERMIT@tceq.texas.gov or by telephone at (512) 239-3700. If you have any technical questions regarding the general permit, you may contact the stormwater technical staff by email at SWGP@tceq.texas.gov or by telephone at (512) 239-4671. Also, you may obtain information on the stormwater web site at https://www.tceq.texas.gov/permitting/stormwater.

Sincerely,

Robert Sadlier, Deputy Director

Water Quality Division

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Texas Pollutant Discharge Elimination System
Stormwater Construction General Permit

The Notice of Intent (NOI) for the facility listed below was received on September 17, 2025. The intent to discharge stormwater associated with construction activity under the terms and conditions imposed by the Texas Pollutant Discharge Elimination System (TPDES) stormwater Construction General Permit (CGP) TXR150000 is acknowledged. Your facility's unique TPDES CGP stormwater authorization number is:

TXR1545VW

Coverage Effective: September 17, 2025

The TCEQ's stormwater CGP requires certain stormwater pollution prevention and control measures, possible monitoring and reporting, and periodic inspections. Among the conditions and requirements of this permit, you must have prepared and implemented a stormwater pollution prevention plan (SWP3) that is tailored to your construction site. As a facility authorized to discharge under the stormwater CGP, all terms and conditions must be complied with to maintain coverage and avoid possible penalties.

Project/Site Information:
RN102956448
Woodcreek WWTP
2611 FM 2325
Wimberley, TX 78676
Hays County

Operator:
CN604062463
Aqua Texas, Inc.
762 W Lancaster Ave
Bryn Mawr, PA 19010

This CGP and all authorizations expire on March 5, 2028, unless otherwise amended. If you have any questions related to processing of your application, you may contact the Stormwater Processing Center by **email at** SWPERMIT@tceq.texas.gov **or by telephone at (512) 239-3700**. For technical issues, you may contact the stormwater technical staff by **email at** SWGP@tceq.texas.gov **or by telephone at (512) 239-4671**. Also, you may obtain information on the TCEQ web site at https://www.tceq.texas.gov/goto/wq-dpa. A copy of this document should be kept with your SWP3.

Issued Date: September 17, 2025

FOR THE COMMISSION

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

I Gautam Patwardhan,
Print Name

Project Engineer III - Lead Process Engineer,
Title - Owner/President/Other

of Aqua America,
Corporation/Partnership/Entity Name

have authorized Robert Callegari, P.E.
Print Name of Agent/Engineer

of Burgess & Niple, Inc
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:

Gatwardhan
Applicant's Signature

February 03, 2025
Date

THE STATE OF PA §

County of MONTGOMERY §

BEFORE ME, the undersigned authority, on this day personally appeared GAUTAM GATWARDHAN 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 3RD day of FEBRUARY, 2025.

Lara Mraz
NOTARY PUBLIC

LARA MRAZ
Typed or Printed Name of Notary

Commonwealth of Pennsylvania - Notary Seal
Lara Mraz, Notary Public
Montgomery County
My commission expires March 1, 2027
Commission number 1429277
Member, Pennsylvania Association of Notaries

MY COMMISSION EXPIRES: 3/1/2027.

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Woodcreek WWTP
Regulated Entity Location: 2611 FM 2325, Wimberley, TX 78676
Name of Customer: Aqua Texas, Inc.
Contact Person: Gautam Patwardhan Phone: 610-645-1024
Customer Reference Number (if issued):CN 604062463
Regulated Entity Reference Number (if issued):RN 102956448

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	23.57 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: Patwardhan Date: February 03, 2025

Application Fee Schedule

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

☒ Other **CZP Modification**

2. Customer Reference Number *(if issued)*

CN 604062463

Follow this link to search for CN or RN numbers in Central Registry**

3. Regulated Entity Reference Number *(if issued)*

RN 102956448

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:

Aqua Texas, Inc.

7. TX SOS/CPA Filing Number

800304878

8. TX State Tax ID (11 digits)

32014405503

9. Federal Tax ID

(9 digits)

10. DUNS Number *(if applicable)*

48341648

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☒ Other: Utility District

12. Number of Employees

☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher

13. Independently Owned and Operated?

☒ **Yes** ☐ **No**

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

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

15. Mailing Address:

762 w Lancaster Ave

City	Bryn Mawr	**State**	PA	**ZIP**	19010	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*

17. E-Mail Address *(if applicable)*

GPatwardhan@aquaamerica.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(610) 645-1024		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

WOODCREEK WWTP

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	2611 FM 2325							
	City	Wimberley	**State**	TX	**ZIP**	78676	**ZIP + 4**	
24. County	Hays							

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

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**

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

27. Latitude (N) In Decimal:	30.0163		**28. Longitude (W) In Decimal:**	-98.1319	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		221320	

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

34. Mailing Address:	**762 W Lancaster Ave**							
	City	**Bryn Mawr**	**State**	**PA**	**ZIP**	**19010**	**ZIP + 4**	
35. E-Mail Address:	**GPatwardhan@aquaamerica.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(610) 645-1024		( ) -

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

SECTION IV: Preparer Information

40. Name:	Lauren Barzilla	41. Title:	Project Manager

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 432-1000		( ) -	lauren.barzilla@burgessniple.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:	Burgess & Niple, Inc.	Job Title:	Project Manager
Name *(In Print)*:	Robby Callegari	Phone:	(512) 432-1000
Signature:	RPC	Date:	2/11/2025