



February 06, 2026

Texas Commission on Environmental Quality (TCEQ)
Region 11 – Austin
Edwards Aquifer Protection Program
12100 Park 35 Circle
Austin, TX 78753

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: City of Georgetown Lake Water Treatment Plant Zebra Mussel Mitigation Project; Located at 3601 D.B. Woods Road; Georgetown, Texas

TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP) Exception; 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer; Regulated Entity No. 103171427

To TCEQ:

On behalf of the City of Georgetown, CDM Smith, Inc. requests a Water Pollution Abatement Plan (WPAP) exception for the above-reference project in accordance with Title 30 Texas Administrative Code (TAC) Chapter 213, which provides an exception for negligible increase in impervious cover.

The WPAP exception request consists of the following documentation:

1. Edwards Aquifer Application Cover Page (TCEQ-20705)
2. General Information Form (TCEQ-0587)
 - a. Attachment A - Road Map
 - b. Attachment B - USGS / Edwards Recharge Zone Map
 - c. Attachment C - Project Description
3. Geologic Assessment Form (TCEQ-0585)
 - a. Attachment A - Geologic Assessment Table (TCEQ-0585-Table)
 - b. Attachment B - Stratigraphic Column
 - c. Attachment C - Site Geology
 - d. Attachment D - Site Geologic Map(s)
4. Recharge and Transition Zone Exception Request Form (TCEQ-0628)
 - a. Attachment A – Nature of Exception
 - b. Attachment B – Documentation of Equivalent Water Quality Protection
 - c. Site Plan
5. Temporary Stormwater Section (TCEQ-0602)
 - a. Attachment A - Spill Response Actions
 - b. Attachment B - Potential Sources of Contamination
 - c. Attachment C - Sequence of Major Activities
 - d. Attachment D - Temporary Best Management Practices and Measures
 - e. Attachment E - Request to Temporarily Seal a Feature (if requested)
 - f. Attachment F - Structural Practices
 - g. Attachment G - Drainage Area Map
 - h. Attachment H - Temporary Sediment Pond(s) Plans and Calculations



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- i. Attachment I - Inspection and Maintenance for BMPs
 - j. Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices
6. Agent Authorization Form (TCEQ-0599), if application submitted by agent
7. Application Fee Form (TCEQ-0574)
8. Core Data Form (TCEQ-10400)

Sincerely,

Monica Stiggins
Project Manager
CDM Smith Inc.

Edwards Aquifer
Application Cover Page
(TCEQ-20705)

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

Technical Review

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

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

Regulated Entity Name: Lake Water Treatment Plant					2. Regulated Entity No.: 103171427				
3. Customer Name: City of Georgetown					4. Customer No.: 600412043				
5. Project Type: (Please circle/check one)	New	Modification			Extension	Exception			
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	Non-residential			8. Site (acres):			2.59	
9. Application Fee:	500		10. Permanent BMP(s):						
11. SCS (Linear Ft.):			12. AST/UST (No. Tanks):						
13. County:	Williamson		14. Watershed:			San Gabriel River			

Application Distribution

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

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

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

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

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

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

Monica Stiggins

Print Name of Customer/Authorized Agent

Mon Stiggins

2/3/2026

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):

General Information
Form
(TCEQ-0587)

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Monica Stiggins

Date: 2/3/2026

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Lake Water Treatment Plant
2. County: Williamson
3. Stream Basin: San Gabriel River
4. Groundwater Conservation District (If applicable): _____
5. Edwards Aquifer Zone:
 Recharge Zone
 Transition Zone
6. Plan Type:
 WPAP
 SCS
 Modification
 AST
 UST
 Exception Request

7. Customer (Applicant):

Contact Person: David Herzog

Entity: City of Georgetown

Mailing Address: 300-1 Industrial Ave

City, State: Georgetown, Texas

Zip: 78626

Telephone: (512) 930-6576

FAX: _____

Email Address: david.herzog@georgetown.org

8. Agent/Representative (If any):

Contact Person: Monica Stiggins

Entity: CDM Smith, Inc

Mailing Address: 8310-1N Capital of Texas Hwy Suite 250

City, State: Austin, Texas

Zip: 78731

Telephone: (512) 346-1100

FAX: _____

Email Address: stigginsml@cdmsmith.com

9. Project Location:

The project site is located inside the city limits of Georgetown.

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

The project site is not located within any city's limits or ETJ.

10. The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

The Lake Water Treatment Plant (WTP) is located at 3601 D.B. Woods Road, Georgetown, Texas

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

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

Project site boundaries.

USGS Quadrangle Name(s).

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

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

13. **The TCEQ must be able to inspect the project site or the application will be returned.** Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

Survey staking will be completed by this date: July 1, 2026 (Please contact City of Georgetown for access to site before Inspection)

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

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

15. Existing project site conditions are noted below:

- Existing commercial site
- Existing industrial site
- Existing residential site
- Existing paved and/or unpaved roads
- Undeveloped (Cleared)
- Undeveloped (Undisturbed/Uncleared)
- Other: Water Treatment Plant

Prohibited Activities

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

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

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

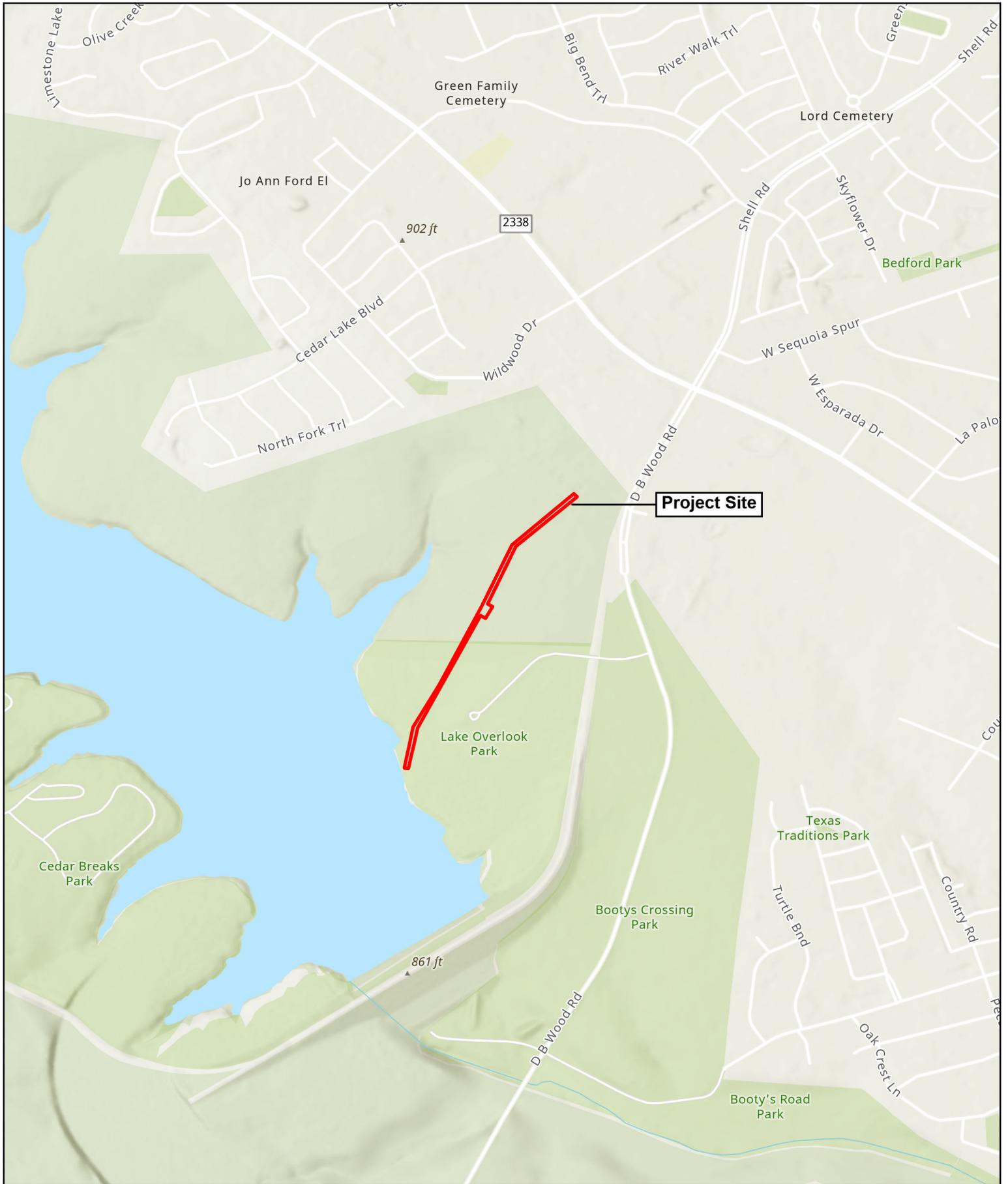
- (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
- (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and
- (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

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

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

Attachment A - Road Map
(TCEQ-0587)



**Attachement A:
Lake Water Treatment Plant
Williamson County, Texas**



Attachment B - USGS/Edwards
Recharge Zone Map
(TCEQ-0587)

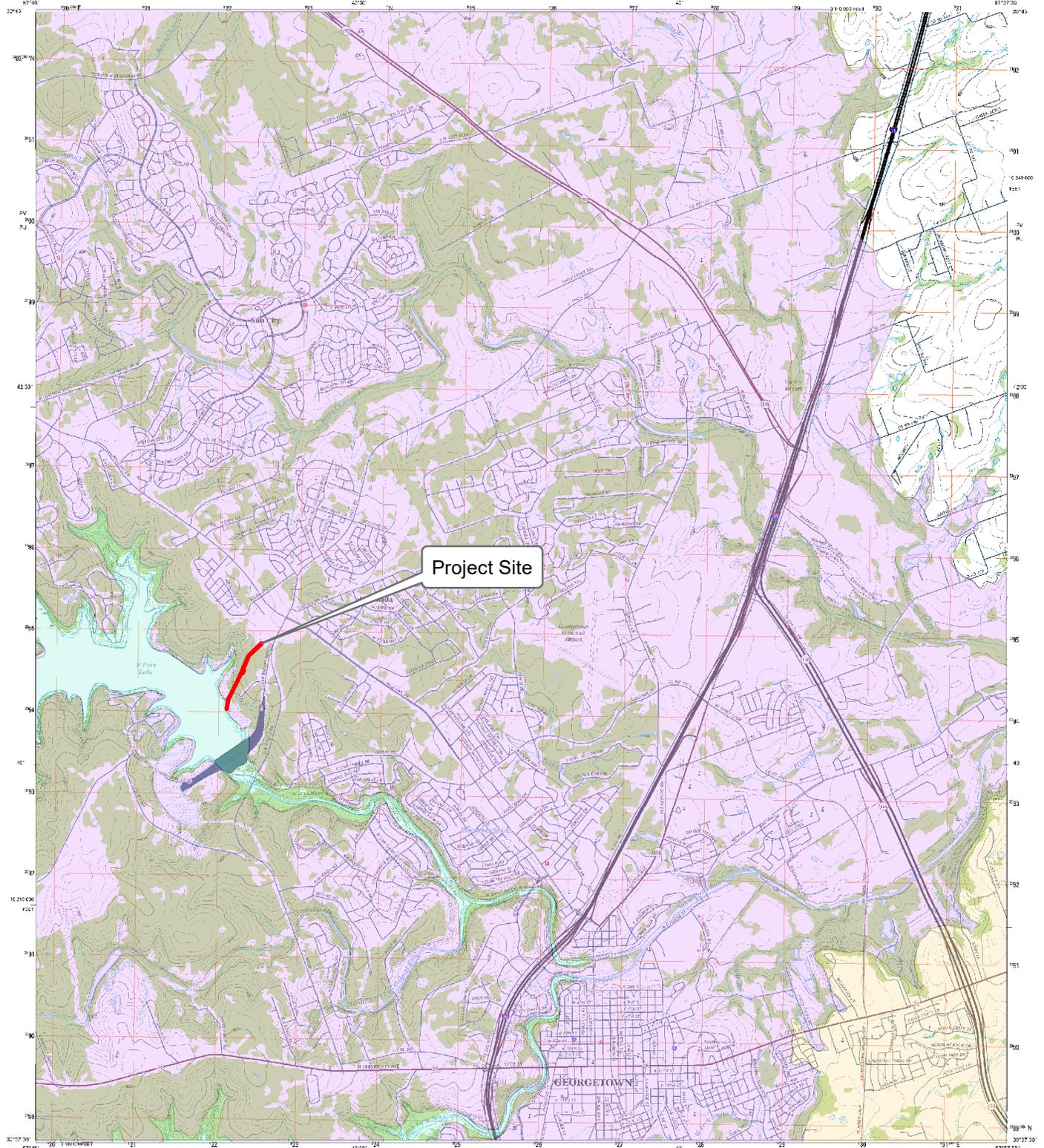
Attachment B: Edwards Aquifer Recharge Zone Map Lake Water Treatment Plant Williamson County, Texas



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

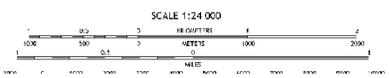


GEORGETOWN QUADRANGLE
TEXAS-WILLIAMSON CO.
7.5-MINUTE SERIES



Project Site

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
Map Scale: 1:24,000
Projection: UTM
Datum: NAD83
Units: Meters
This map is a topographic map. It is not a planimetric map.



ROAD CLASSIFICATION	
Legendary	Local Lane/Local
Secondary Park	Local Road
State	State Road
Interstate Route	Interstate
State Route	State Route

Project: Edwards Aquifer Zones

TYPE	
	Edwards Aquifer Contributing Zone
	Edwards Aquifer Recharge Zone
	Edwards Aquifer Transition Zone

Attachment C - Project Description
(TCEQ-0587)

City of Georgetown

Lake Water Treatment Plant Zebra Mussel Mitigation Project

Water Pollution Abatement Plan

The Lake Water Treatment Zebra Mitigation Project will construct a new facility for zebra mussel mitigation at the Lake WTP. The work includes the construction of a copper ion (CION) building along with associated piping and valves.

The Lake Water Treatment Zebra Mitigation Project is 2.59 acres. No offsite areas off the property will be used. The improvements will cause a minimal increase in impervious cover by 0.0104 acres (0.41%). Since the impervious cover is increasing by a negligible amount, post-construction stormwater controls will include hydroseeding and revegetation of disturbed areas using a native grass mix that will act as a linear vegetation strip in the long run to protect surface water quality.

Geologic Assessment
(TCEQ-0585)

**GEOLOGIC ASSESSMENT
FOR THE APPROXIMATELY 0.1-ACRE
CITY OF GEORGETOWN, TEXAS
LAKE WATER TREATMENT PLANT
INTAKE CHEMICAL BUILDING**

Williamson County, Texas

July 2021

Submitted to:

CDM Smith
9430 Research Boulevard
Suite 1-200
Austin, Texas 78759

Prepared by:

aci consulting
1001 Mopac Circle
Austin, Texas 78746
TBPG Firm License No. 50260

aci project #: 36-21-002

Geologic Assessment

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Geologist: Mark T. Adams

Telephone: (512) 347-9000

Date: 7/22/2021

Fax: (512) 306-0974

Representing: aci Group LLC TBPG License No. 50260 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: City of Georgetown, Texas Lake Water Treatment Plant Intake Chemical Building

Project Information

1. Date(s) Geologic Assessment was performed: 4/8/2021

2. Type of Project:

WPAP
 SCS

AST
 UST

3. Location of Project:

Recharge Zone
 Transition Zone
 Contributing Zone within the Transition Zone

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
Eckrant-Rock outcrop association, 1 to 10 percent slopes	D	

Soil Name	Group*	Thickness(feet)

* Soil Group Definitions (Abbreviated)

- A. Soils having a high infiltration rate when thoroughly wetted.
- B. Soils having a moderate infiltration rate when thoroughly wetted.
- C. Soils having a slow infiltration rate when thoroughly wetted.
- D. Soils having a very slow infiltration rate when thoroughly wetted.

6. **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7. **Attachment C – Site Geology.** A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8. **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'
 Applicant's Site Plan Scale: 1" = 20'
 Site Geologic Map Scale: 1" = 20'
 Site Soils Map Scale (if more than 1 soil type): 1" = 50'
9. Method of collecting positional data:
 - Global Positioning System (GPS) technology.
 - Other method(s). Please describe method of data collection: _____

10. The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
11. Surface geologic units are shown and labeled on the Site Geologic Map.
12. Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
- Geologic or manmade features were not discovered on the project site during the field investigation.
13. The Recharge Zone boundary is shown and labeled, if appropriate.
14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
- There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
- The wells are not in use and have been properly abandoned.
- The wells are not in use and will be properly abandoned.
- The wells are in use and comply with 16 TAC Chapter 76.
- There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

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

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	Geologic and Manmade Feature Map (Figure 5)	
	Feature Excavation Results Memorandum	
ATTACHMENT C		18
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July 2021

Geologic Assessment for the City of Georgetown, Texas Lake Water Treatment Plant Intake Chemical Building located in Williamson County, Texas

1.0 INTRODUCTION

The Texas Commission on the Environmental Quality (TCEQ) regulates activities that have the potential to pollute the Edwards Aquifer through the Edwards Aquifer Protection Program. Projects meeting a certain criterion over the Edwards Aquifer Recharge Zone must submit an Edwards Aquifer Protection Plan (EAPP).

The purpose of this report is to identify all potential pathways for contaminant movement to the Edwards Aquifer and provide sufficient geologic information so that the appropriate Best Management Practices (BMPs) can be proposed in the Edwards Aquifer Protection Plan (EAPP). This report complies with the requirements of Title 30, Texas Administrative Code (TAC) Chapter 213 relating to the protection of the Edwards Aquifer Recharge Zone. Per the Rules, the Geologic Assessment must be completed by a Geologist licensed according to the Texas Geoscience Practice Act.

2.0 PROJECT INFORMATION

The City of Georgetown, Texas Lake Water Treatment Plant Intake Chemical Building, hereafter referred to as the subject area or site, is located at 3601 D.B. Wood Road in the City of Georgetown Full Purpose Jurisdiction, Williamson County, Texas (**Attachment A, Figure 1**). Pedestrian investigations of the 0.1-acre tract were performed on April 8, 2021, by Joey O’Keefe, Marcos Cardenas, Erin Wilson, and Sarah King of aci consulting, LLC., under the supervision of Mark Adams, P.G. with **aci consulting**.

This report is intended to satisfy the requirements for a Geologic Assessment, which shall be included as a component of a Water Pollution Abatement Plan (WPAP). The site is approximately 0.1 acres in total. The proposed site use is for commercial land: an intake chemical building for the Georgetown Lake WTP – Phase IV Expansion Project. The scope of the report consists of a site reconnaissance, field survey, and review of existing data and reports. Features identified during the field survey were ranked utilizing the Texas Commission on Environmental Quality (TCEQ) matrix for Edwards Aquifer Recharge

Zone features. The ranking of the features will determine their viability as “sensitive” features.

3.0 INVESTIGATION METHODS

The following investigation methods and activities were used to develop this report:

- Review of existing files and literature to determine the regional geology and any known caves associated with the project area;
- Review of past geological field reports, cave studies, and correspondence regarding the existing geologic features on the project area, if available;
- Site reconnaissance by a registered professional geologist to identify and examine caves, recharge features, and other significant geological structures;
- Evaluation of collected field data and a ranking of features using the TCEQ Ranking Table 0585 for the Edwards Aquifer Recharge Zone; and
- Review of historic aerial photographs to determine if there are any structural features present, and to determine any past disturbances on the subject property.

4.0 SOILS AND GEOLOGY

The following includes a site-specific description of the soils, geologic stratigraphy, geologic structure, and karstic characteristics as they relate to the Edwards aquifer. Also included in this section is a review of historic aerials for presence of geologic changes or changes to manmade features in bedrock.

Soils

According to the United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Web Soil Survey (2021), one soil unit occurs within the site (**Attachment A, Figure 2**):

- ErE – Eckrant-Rock outcrop association, 1 to 10 percent slopes

The Eckrant component makes up 58 percent of the map unit. Slopes are 1 to 10 percent. This component is on ridges on dissected plateaus. The parent material consists of residuum weathered from limestone. Depth to a root restrictive layer, bedrock, lithic, is 4 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not

ponded. There is no zone of water saturation within a depth of 72 inches. This soil does not meet the criteria for hydric soils. Hydrologic Soil Group: D.

Geologic Stratigraphy

According to the *Geologic Map of the Georgetown Quadrangle, Texas*, one geologic unit occurs within the site (**Attachment A, Figure 3**). This units and a description by Collins (1997) are as follows:

- Edwards Limestone (Ked)

“Limestone, dolomitic limestone and marl. Massive to thin beds, chert, and fossiliferous; fossils include rudistids. Shallow subtidal to tidal-flat cycles. Honeycomb textures, voids in collapsed breccias, and cavern systems. Accounts for most of the Edwards aquifer strata. Thickness is between 100ft to 300ft; thins northward.”

Site-Specific Stratigraphic Column

Formation	Members	Thickness (Collins, 1997)
Edwards Limestone	Edwards Limestone	0-100 feet

Geologic Structure

The geologic strata associated with the Edwards Aquifer include the Georgetown Limestone Formation of the Washita Group, the Edwards Limestone Group, which is interfingered with the Comanche Peak Formation, followed by the Walnut formation, and finally the Glen Rose Formation of the Trinity Group. These Groups dip gently to the southeast and are characterized by the Balcones Fault Escarpment, a zone of en echelon normal faults downthrown to the southeast. Locally, the dominant structural trend of faults within the area is 25°, as evidenced by the mapped fault patterns (**Attachment A, Figure 4**). Thus, all features that have a trend ranging from 10° to 40° are considered “on trend” and were awarded the additional 10 points in the Geologic Assessment Table.

The subject area is underlain by Edwards Limestone (Ked) (Collins 1997). The geology surrounding the site is all Edwards Limestone. However, the Comanche Peak Formation (Kc) is also present along the border of Lake Georgetown, suggesting the site is within the lower section of the Edwards Limestone formation.

Karstic Characteristics

In limestone landscapes, karst is expressed by erratically developed cavernous porosity from dissolution of bedrock as water combined with weak acids moves through the subsurface. Karst terrains are typical of the Edwards Limestone, occurring across a vast region of Central Texas, including the Balcones Fault Escarpment. The features produced by karst processes include, but are not limited to, sinkholes, solution cavities, solution enlarged fractures, and caves. These features can eventually provide conduits for fluid movement such as surface water runoff, as “point recharge” to the Edwards Aquifer. Faults and manmade features within bedrock can also provide conduits for point recharge in many cases.

According to Edwards aquifer zone map produced by the TCEQ (2005), the entire subject area is within the Edwards Aquifer Recharge Zone. Thus, all karst features identified as sensitive within the project limits have the potential to be point recharge features into the Edwards Aquifer.

Review of Historic Aerials

Historic aerial photographs were reviewed for the following years: 2018, 2012, 2008, 2004, 1995, 1988, 1981, 1974, 1962, 1953, 1941 (**Attachment C**). The site and vicinity were undeveloped since before the first aerial dated 1941 and remained undeveloped until after the 1981 aerial. The 1988 aerial shows the first development related to the Georgetown Lake Water Treatment Plant. The 2004 aerial shows that the Water Treatment Plant has undergone an expansion to include the Electrical Building and current subject area. Also evident in this aerial is the first occurrence of an unpaved access road that crosses the subject area and leads to Georgetown Lake. The 2012 aerial shows another disturbance related to expansion to the Water Treatment Plant. By the 2018 aerial, the latest expansion to the Water Treatment Plant was complete.

5.0 SUMMARY OF FINDINGS

This report documents the findings of a geologic assessment conducted by **aci consulting** personnel on April 8, 2021. There were no geologic or manmade features identified within the subject area. One geologic feature was identified approximately 100 feet to the west of the subject area as part of a separate Karst investigation. The results of an excavation conducted on this feature were detailed in a memorandum prepared by **aci consulting** and can be found in **Attachment B**. As there were no geologic or manmade features identified within the limits of the subject area, there are no recommendations for the site.

6.0 REFERENCES

Collins, E.W., 1997. *Geologic Map of the Georgetown Quadrangle, Texas*. Bureau of Economic Geology. Austin, Texas.

(SCS) Soil Conservation Survey. 1983. Soil Survey of Williamson County, Texas. United States Department of Agriculture. Texas Agriculture Experiment Station.

(TCEQ) Texas Commission on Environmental Quality. 2004. Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones. October 1, 2004. Austin, Texas.

(TCEQ) Texas Commission on Environmental Quality. 2005. "Edwards Aquifer Protection Program, Chapter 213 Rules - Recharge Zone, Transition Zone, Contributing Zone, and Contributing Zone within the Transition Zone." Map. Digital data. September 1, 2005. Austin, Texas.

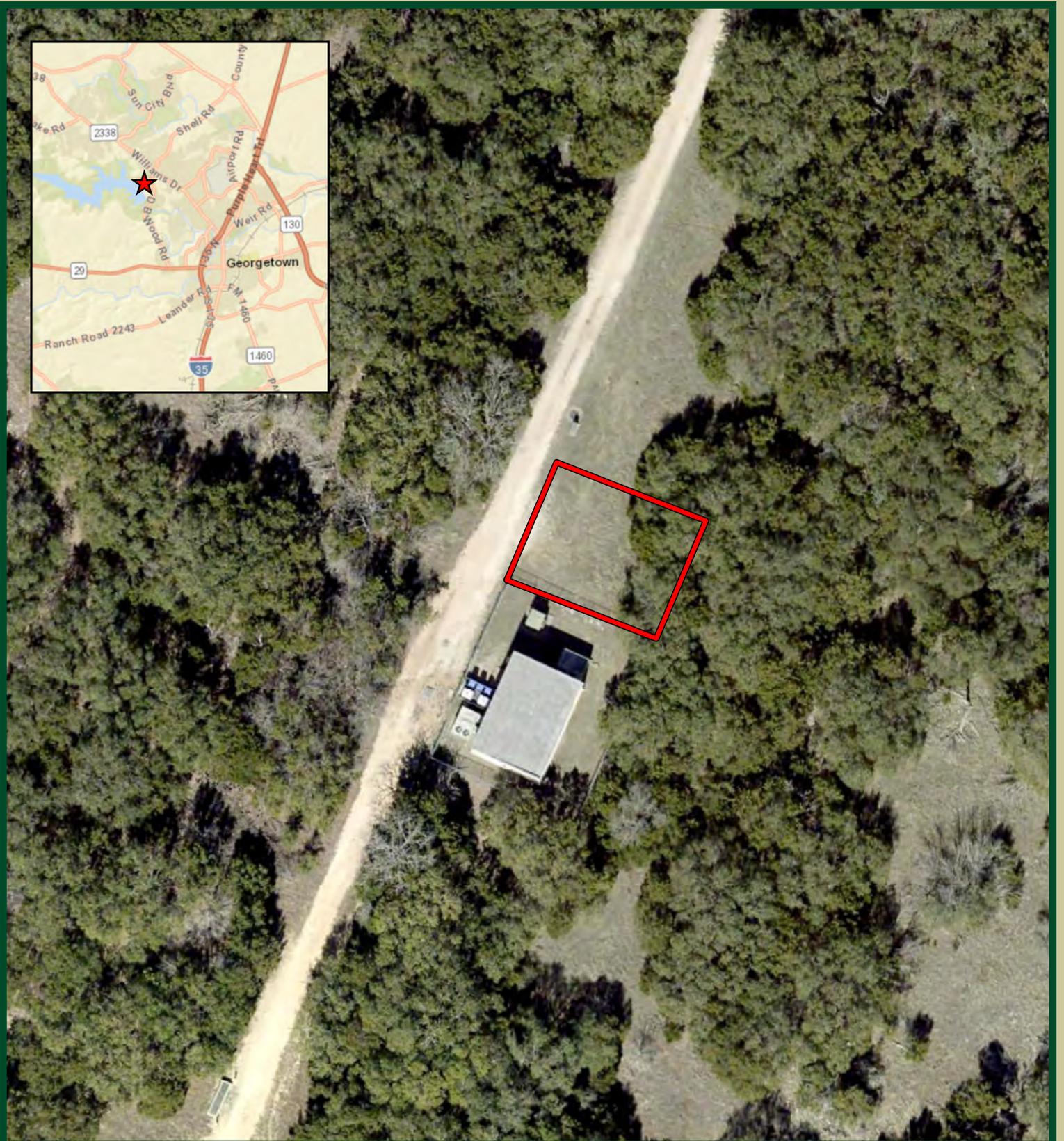
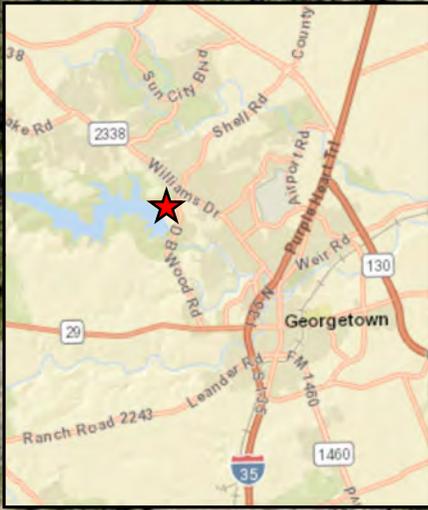
(TWDB) Texas Water Development Board. 2021. Water Data Interactive Groundwater Data Viewer. Accessed on June 28 , 2021. Available at:
<http://www2.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer>

(USDA NRCS) U.S. Department of Agriculture Natural Resources Conservation Service. 2019. WebSoilSurvey.com. Soil Survey Area: Williamson County, Texas. Date accessed: July 9, 2021.

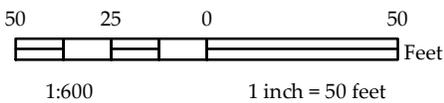


ATTACHMENT A

Site Maps

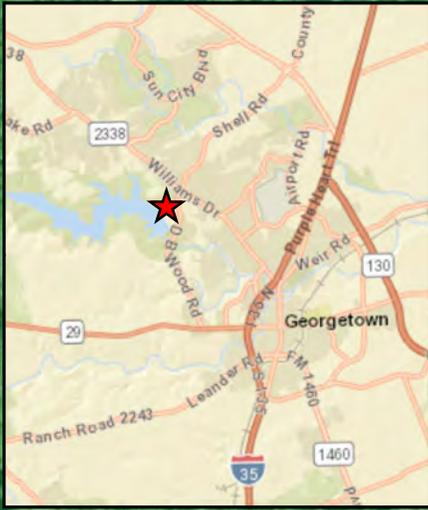


This map is intended for planning purposes only. All map data should be considered preliminary. All boundaries and designations are subject to confirmation.



Subject Area (Intake Chemical Building)

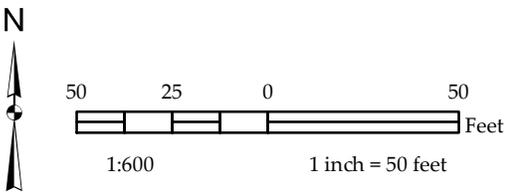




Soils Williamson Co (NRCS 2015)

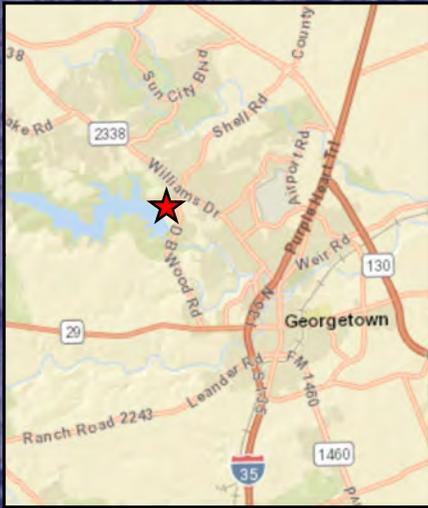
 ErE

This map is intended for planning purposes only. All map data should be considered preliminary. All boundaries and designations are subject to confirmation.



 **Subject Area (Intake Chemical Building)**

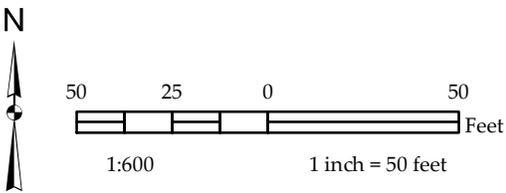




Geology - Rock Unit 24K

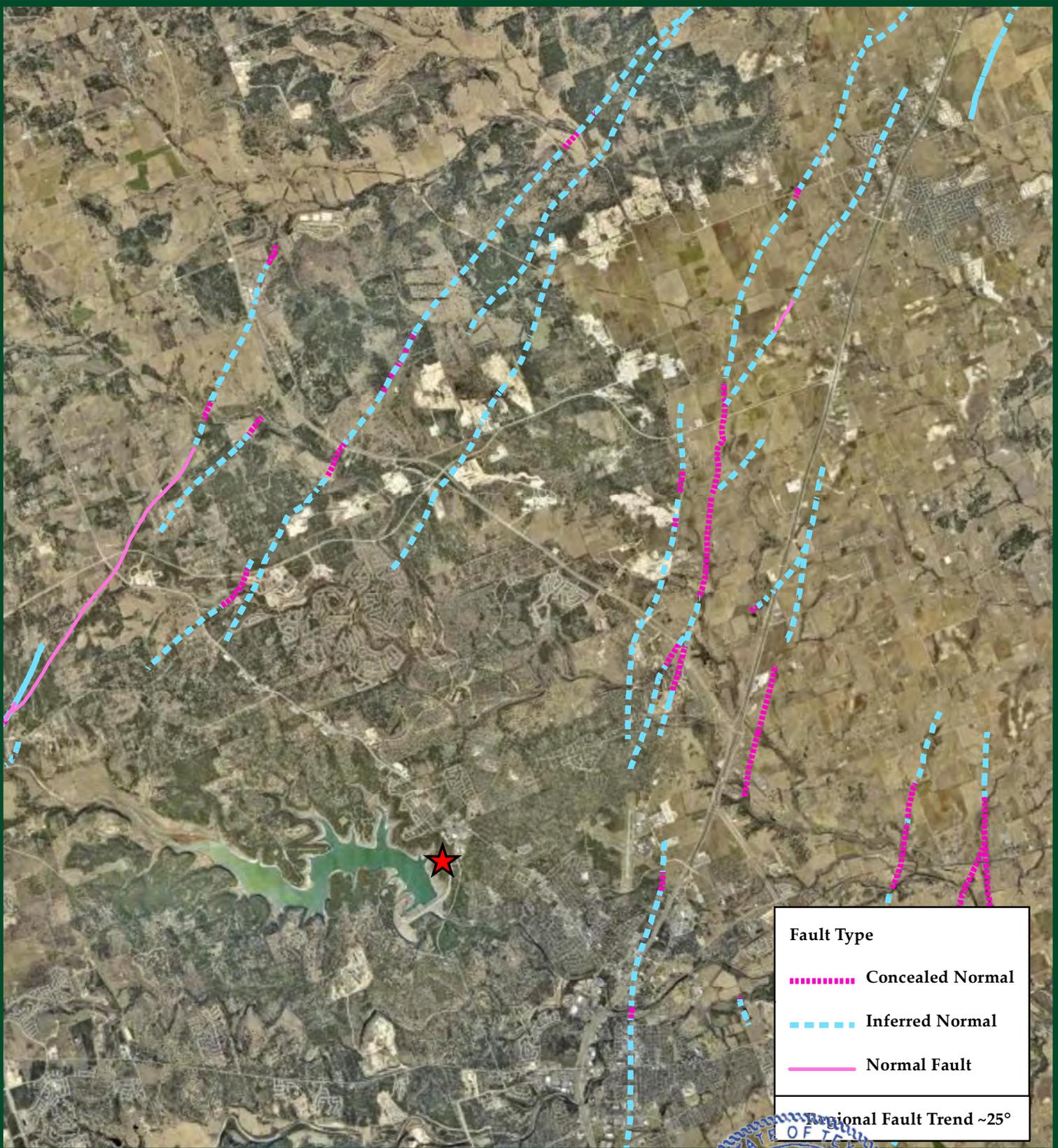
 **Ked**

This map is intended for planning purposes only. All map data should be considered preliminary. All boundaries and designations are subject to confirmation.

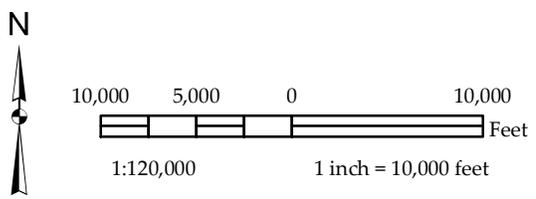


 **Subject Area (Intake Chemical Building)**





This map is intended for planning purposes only. All map data should be considered preliminary. All boundaries and designs are subject to confirmation.

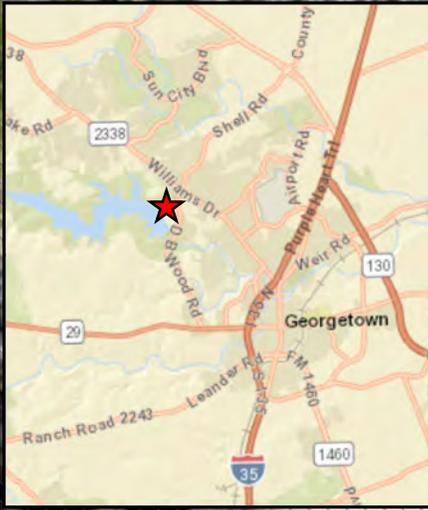


★ Subject Area

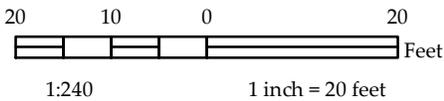
ATTACHMENT B

Geologic Table
Geologic and Manmade Feature Map (Figure 5)
Feature Excavation Results Memorandum

No geologic features were identified within the subject area.



This map is intended for planning purposes only. All map data should be considered preliminary. All boundaries and designations are subject to change.



Subject Area (Intake Chemical Building)



Edwards Aquifer Recharge Zone





NORTH LAKE GEORGETOWN WATER TREATMENT PLANT (WTP)

WILLIAMSON COUNTY, TEXAS

Date: June 2021

Project: North Lake Georgetown WTP – Feature Excavation Results | aci Project No.: 36-21-002

To: Allen Woelke – CDM Smith

From: aci consulting | Joey O’Keefe

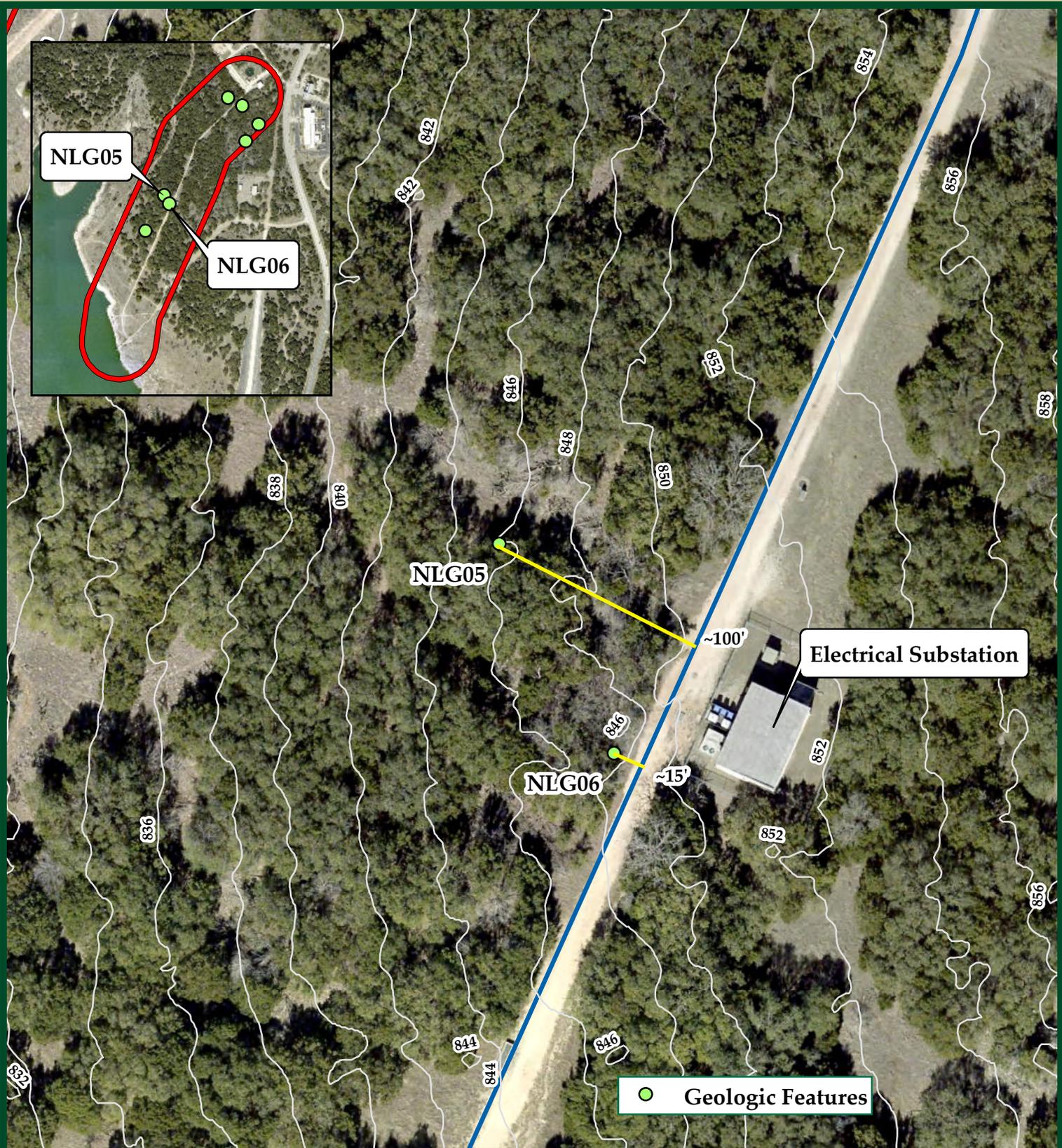
Subject: Feature Excavation Results Memorandum

INTRODUCTION

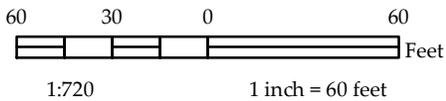
On May 26, 2021, aci consulting, along with a permitted cave biologist, Mr. Christopher E. Francke, and a Texas Professional Geoscientist (PG), Mark Adams, conducted a feature excavation for a feature located approximately 100 feet (30 meters) west of the alignment for the North Lake Georgetown Water Treatment Plant (NLGWTP) project in Williamson County, Texas (Attachment 1). The feature (NLG05) is located approximately 90 feet northwest of a previously discovered cave; Godwin’s Goat Grave cave (NLG06). The excavations were conducted using hand equipment only and was performed to determine the potential for subsurface development and the project’s potential to impact significant recharge to the Edwards Aquifer, or Endangered Karst Invertebrate habitat (EKI) within the feature. The excavation was conducted following guidance set by the United States Fish and Wildlife Service (USFWS) for EKI dated May 21, 2015.

The excavations terminated at a depth of approximately 6.5 feet (2 meters). Based on observations made by the excavators, Mr. Francke, and Mr. Adams, it was determined the feature was a naturally plugged sinkhole later filled over a long period of time through human intervention. The soils and cobbles were homogenous, and refuse such as clothing, batteries, and aluminum cans were observed throughout the excavations. There were no obvious pathways for water thus no significant recharge. Additionally, no demonstration of EKI habitat was observed at any point during the excavation.

The current NLGWTP project will replace a current water line within an existing disturbed Right-of-Way (ROW). The current project will not require additional ROW to the west, and the newly discovered feature will not be impacted by the project undertakings. Therefore, aci consulting recommends that best management practices be utilized along the pipeline ROW to reduce sediment from entering the cave, and the project can continue without further excavations.



This map is intended for planning purposes only. All map data should be considered preliminary. All boundaries and designations are subject to confirmation.



Existing Water Line

Survey Area

Geologic Features





ATTACHMENT C

Historic Aerial Photographs

Prepared for:

ACI CONSULTING
1001 Mopac Circle
Austin TX 78746



Historical Aerial Photographs

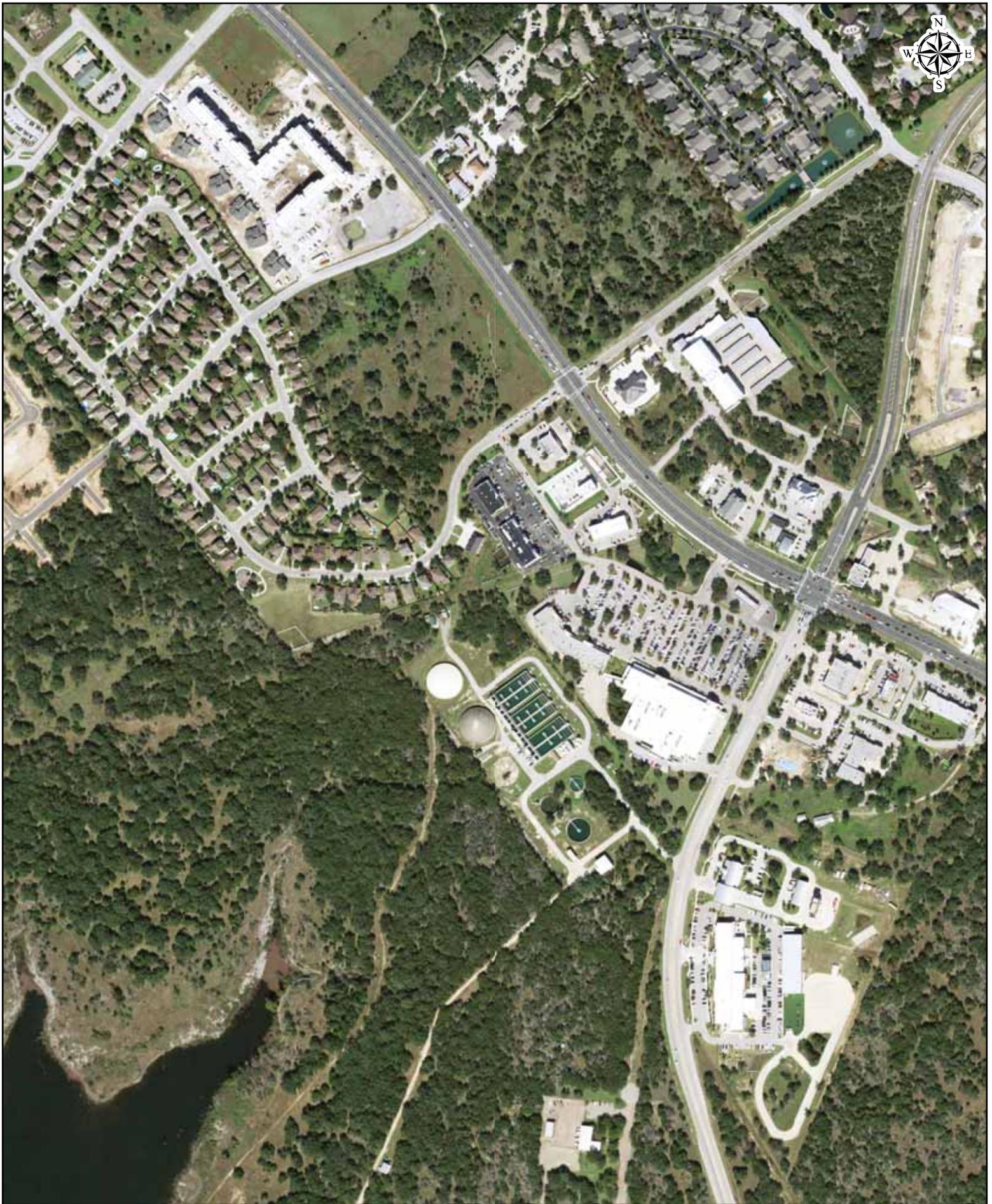
City of Georgetown Lake Water Treatment

Williamson County, TX

PO #: 36-19-067

ES-132689

Thursday, December 12, 2019



Date: 2018
Source: USDA





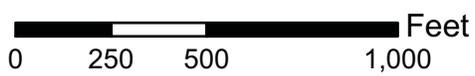
Date: 2012
Source: USDA

0 250 500 1,000 Feet

 **BANKS**
ENVIRONMENTAL DATA
A DIVISION OF THE BANKS GROUP

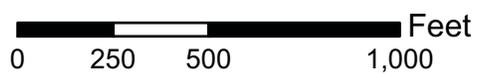


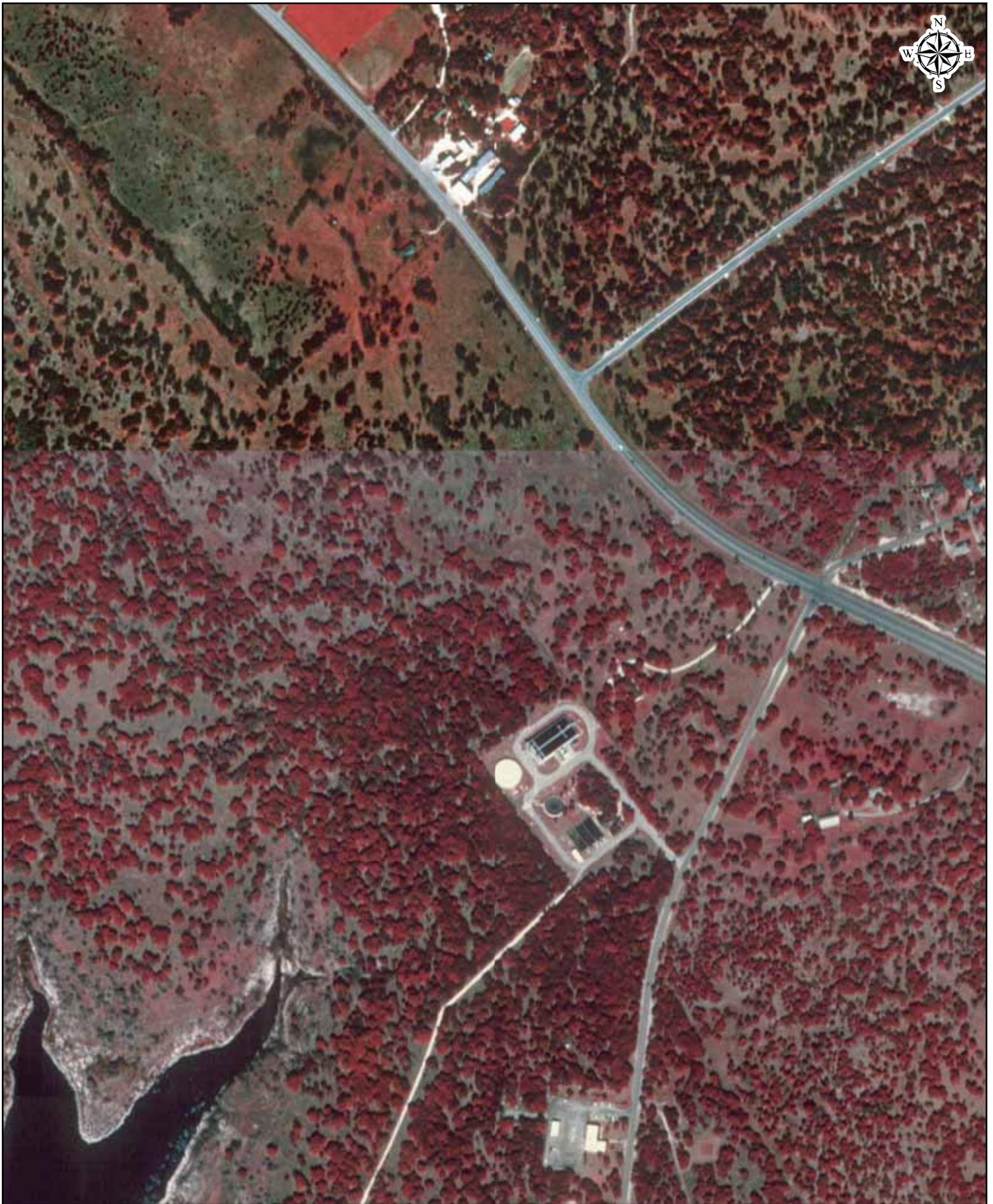
Date: 2008
Source: USDA





Date: 2004
Source: USDA





Date: 1995
Source: USGS





Date: 1988
Source: TXDOT





Date: 1981
Source: USGS





Date: 1974
Source: USGS





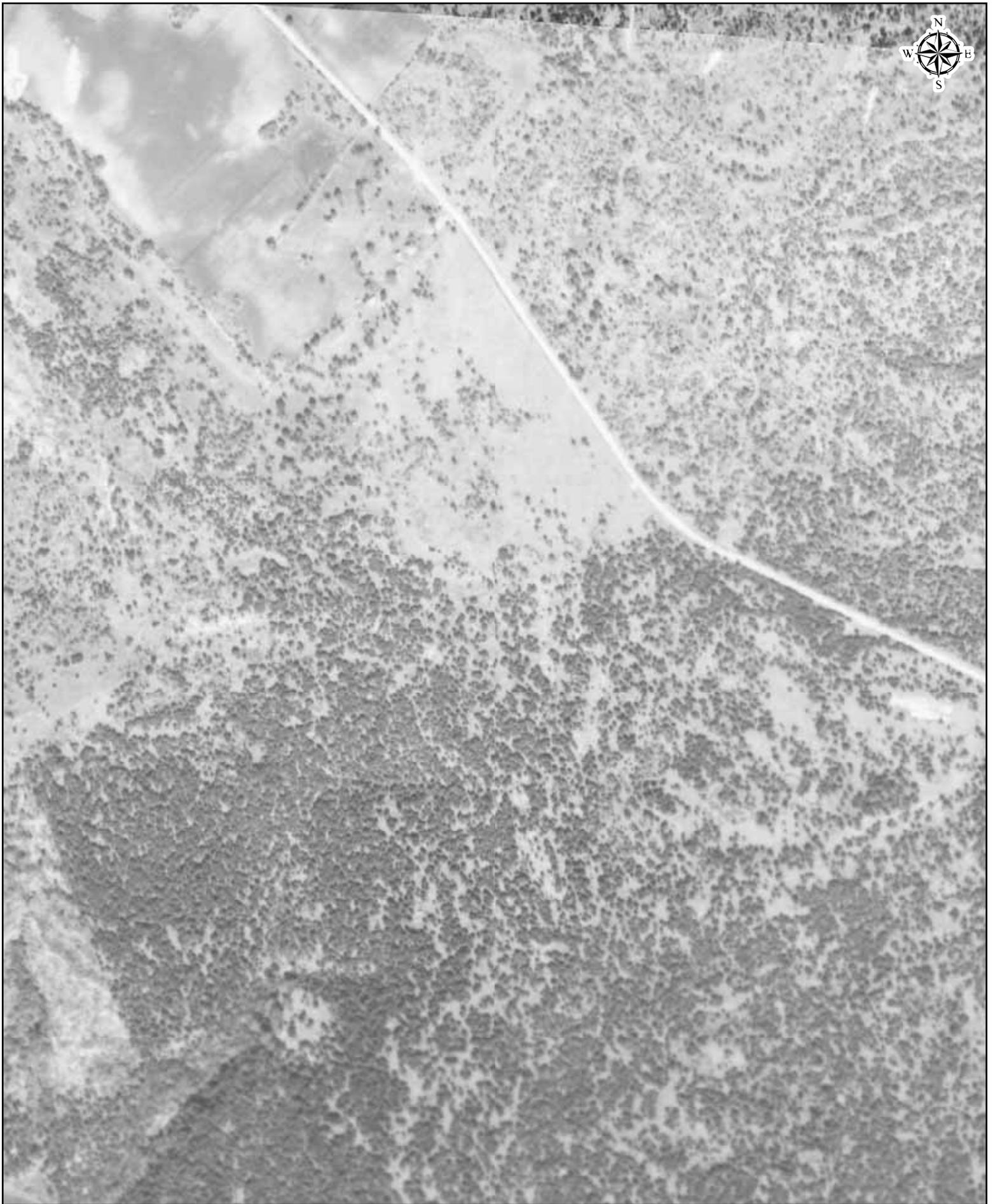
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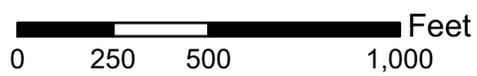


Date: 1953
Source: AMS





Date: 1941
Source: ASCS



HISTORICAL AERIAL PHOTOGRAPHS	
ES-132689	December 12, 2019



AERIAL SOURCE DEFINITIONS

Acronym	Agency
NASA	National Aeronautics & Space Administration
AMS	Army Mapping Service
ASCS	Agricultural Stabilization & Conservation Service
SCS	Soil Conservation Service
ISGS	Illinois State Geological Survey
Fairchild	Fairchild Aerial Surveys
TXDOT	Texas Department of Transportation
BLM	Bureau of Land Management
USAF	United States Air Force
USCOE	United States Corps of Engineers
USDA	United States Department of Agriculture
USGS	United States Geological Survey
WALLACE	Wallace-Zingery Aerial Surveys
TNRIS	Texas Natural Resources Information System

HISTORICAL AERIAL PHOTOGRAPHS	
ES-132689	December 12, 2019



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Recharge and Transition Zone
Exception Request Form
(TCEQ-0628)

Recharge and Transition Zone Exception Request Form

Texas Commission on Environmental Quality

30 TAC §213.9 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 **Recharge and Transition Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Monica Stiggins

Date: 2/3/2026

Signature of Customer/Agent:



Regulated Entity Name: Lake Water Treatment Plant

Exception Request

- Attachment A - Nature of Exception.** A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter A for which an exception is being requested have been identified in the description.
- Attachment B - Documentation of Equivalent Water Quality Protection.** Documentation demonstrating equivalent water quality protection for the Edwards Aquifer is attached.

Administrative Information

- 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.
- The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
- The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

Attachment A - Nature of Exception
(TCEQ-0628)

City of Georgetown

Lake Water Treatment Plant Zebra Mussel Mitigation Project

WPAP Exception

The City of Georgetown is requesting an exception to the WPAP for the Lake Water Treatment Zebra Mitigation Project. The work includes the construction of a copper ion (CION) building along with associated piping and valves.

The reason for the WPAP exception request is due to the site's overall impervious cover increasing by a negligible amount of 0.41% or about 0.0104 acres due to the project. Currently the sites overall impervious cover is 1.73%, 0.0449 acres, and the site's overall impervious cover after the proposed project has been constructed is 2.14%, 0.0553 acres. The impervious cover increase is only due to the proposed building, all other improvements will be buried. Since the impervious cover is increasing by a negligible amount, post-construction stormwater controls will include hydroseeding and revegetation of disturbed areas using a native grass mix that will protect surface water quality.

Attachment B - Documentation of
Equivalent Water Quality Protection
(TCEQ-0628)

City of Georgetown
Lake Water Treatment Plant Zebra Mussel Mitigation Project
Exception Request

Water quality protection will be ensured on the Lake Water Treatment Plant site. The project site is on relatively flat land. The site's topography minimizes the potential for off-site runoff to flow onto and across the project site.

The sites overall impervious cover will be increasing by a negligible 0.41% or about 0.0104 acres due to the project. Currently the sites overall impervious cover is 1.73%, 0.0449 acres, and the site's overall impervious cover after the proposed project has been constructed is 0.0553 acres. The impervious cover increase is only due to the proposed copper ion (CION) building; all other improvements will be buried.

Water Quality Impacts (Post Development)

The volume of on-site generated stormwater runoff is determined from the size of the drainage area, average annual rainfall, and percent impervious cover.

$$Pv = DA \times Pd \times Rv$$

Where: Pv = annual runoff volume (cubic feet)

DA = drainage area (sq ft)

Pd = average annual precipitation depth (in)

Rv = runoff coefficient = $0.546(IC)^2 + 0.328(IC) + 0.030$

Runoff Coefficients (Rv):

$$Rv = 0.546 (0.0449)^2 + 0.328 (0.0449) + 0.030 = 0.0458 \text{ (pre-development)}$$

$$Rv = 0.546 (0.0553)^2 + 0.328 (0.0553) + 0.030 = 0.0498 \text{ (post-development)}$$

Existing Annual Runoff Volume (PreV)

$$Pv = 2.59 * (43,560) \times 32/12 \times 0.0458 = 13,779 \text{ cf/yr}$$

Proposed Annual Runoff Volume (PostV)

$$Pv = 2.59 * (43,560) \times 32/12 \times 0.0498 = 14,983 \text{ cf/yr (a 1,204 cf/yr increase)}$$

Water Quality Impacts

Required Load Reduction

$$L = 27.2 * (An * P)$$

P=precipitation (inches)

An= net increase in Impervious Area (acres)

Total Load Reduction

$$L = 27.2 * (0.0104 * 32) = 9.05 \text{ lbs/year TSS}$$

The project's design calculations estimate the water quantity and water quality impacts that will be caused by the proposed project's construction. The building will add negligible increase in loading from the site that will be handled by hydroseeding and reloaming the site using a native grass mix that will protect surface water quality.

Temporary Stormwater Section
(TCEQ-0602)

Temporary Stormwater Section

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Monica Stiggins

Date: 2/3/2026

Signature of Customer/Agent:



Regulated Entity Name: Lake Water Treatment Plant

Project Information

Potential Sources of Contamination

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

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

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

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

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

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

Sequence of Construction

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

Temporary Best Management Practices (TBMPs)

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

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

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

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

Soil Stabilization Practices

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

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

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

Administrative Information

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

Attachment A - Spill Response
Actions
(TCEQ-0602)

City of Georgetown
Lake Water Treatment Plant Zebra Mussel Mitigation Project
Water Pollution Abatement Plan

No hazardous substances or hydrocarbons will be stored or used in excess on the construction site. Reportable contaminant quantities will be determined and based on 30 TAC §327. A Summary table of TCEQ reportable contaminant quantities can be found at the following Link:

https://www.tceq.texas.gov/response/spills/spill_rq.html.

In the event of any spill of hydrocarbon products or hazardous substances of reportable quantities the following spill response actions will be taken:

1. City of Georgetown Fire Department will be notified of the nature and extent of the spill via telephone (911 or 512-930-3600).
2. TCEQ Spill Reporting 24-hour Hotline will be notified of the nature and extent of the spill via telephone (800-832-8224).
3. Spills will be reported prior to any spill response activities.
4. Absorbent materials will be used to contain small scale spill incidents.
5. Absorbent containment booms will be used to contain the discharge of larger scale spill incidents.
6. Any spill response action will follow applicable OSHA health and safety regulations.
7. Any water materials generated by spill response actions will be properly stored and disposed.
8. 8. Onsite personnel will be trained to follow the spill response actions for the site.

Attachment B - Potential Sources
of Contamination
(TCEQ-0602)

City of Georgetown
Lake Water Treatment Plant Zebra Mussel Mitigation Project
Water Pollution Abatement Plan

Potential sources of contamination related to this project include:

- Sediment from spoil piles transported during stormwater events
- Accidental leakage of fuels from vehicles or equipment during construction activities

All necessary actions to minimize impacts of contamination will be taken before, during, and after the proposed project and in coordination with Attachment A, Spill Response Actions. Other than a potential incidental leak from construction vehicles or equipment, all additional runoff will be from natural sources.

**Attachment C - Sequence of Major Activities
(TCEQ-0602)**

City of Georgetown
Lake Water Treatment Plant Zebra Mussel Mitigation Project
Water Pollution Abatement Plan

The sequence for the construction of the proposed project improvements at the Lake Water Treatment Plant Zebra Mussel Mitigation Project site are planned as follows:

- Following issuance of notice-to-proceed, Contractor installs silt fencing, mulch sock, tree protection, Stabilized Construction Entrance (SCE) and rock berm.
- Contractor clears site areas and prepares site for construction. (2.59 acres)
- Contractor locates existing utilities prior to construction.
- Contractor performs grading for copper ion (CION) building as per plan (See sheet C-2).
- Contractor constructs the CION building, reroute, and tie-ins to existing pipes.
- Contractor installs associated piping and valves, and structural, architectural, HVAC, plumbing, civil, electrical, and instrumentation improvements.
- Contractor completes site construction and initiates site clean-up. (2.59 acres)
- Contractor restores disturbed soil areas with loaming and hydro-seeding.
- Contractor inspects and maintains temporary and permanent erosion and sedimentation controls throughout the term of the project.

Attachment D - Temporary BMPs
and Measures
(TCEQ-0602)

City of Georgetown
Lake Water Treatment Plant Zebra Mussel Mitigation Project
Water Pollution Abatement Plan

Temporary erosion and sedimentation control measures will include:

- Silt fencing;
- Tree protection;
- Rock berm;
- Stabilized Construction Entrance (SCE);
- Mulch sock;

Silt fencing shall be placed downgradient from the proposed site areas to control and filter any stormwater that may be generated from the proposed project site. Silt fencing shall also be placed around the perimeter of any storm drain inlets located on or downgradient of the proposed project area. No significant runoff from upgradient stormwater flows are anticipated due to the silt fencing. The silt fencing will further serve to control any stormwater generated by the proposed project site before it is allowed to discharge as stormwater-sediment flow from the site. Silt fencing is shown on the project drawings submitted with this application.

Tree protection will be placed around the critical root zone (CRZ) of protected trees on the proposed project site. This control measure will prevent erosion near the roots and protect the roots from being damaged by construction activities.

Rock berm will be installed across the drainage swale to prevent construction debris and sediment from the construction site being washed off site.

Stabilized construction entrance will be installed at the entrance of the construction area to minimize the tracking of sediments from the project site. All access to the construction site will use this SCE.

Mulch sock will be installed along the downgradient from the proposed site areas to control and filter any stormwater that may be generated from the proposed project site. No significant runoff from upgradient stormwater flows are anticipated due to the mulch sock. The mulch sock will slow down fast-moving water which will reduce the erosion while also filtering stormwater and ridding it of fine soil particles and pollutants. Mulch sock is shown on the project drawings submitted with this application.

The area will remain vegetated where possible.

These temporary erosion and sedimentation control measures are indicated on the site drawings and will be put in place before the start of construction and shall remain in place for the duration of site construction activities.

Attachment F - Structural Practices
(TCEQ-0602)

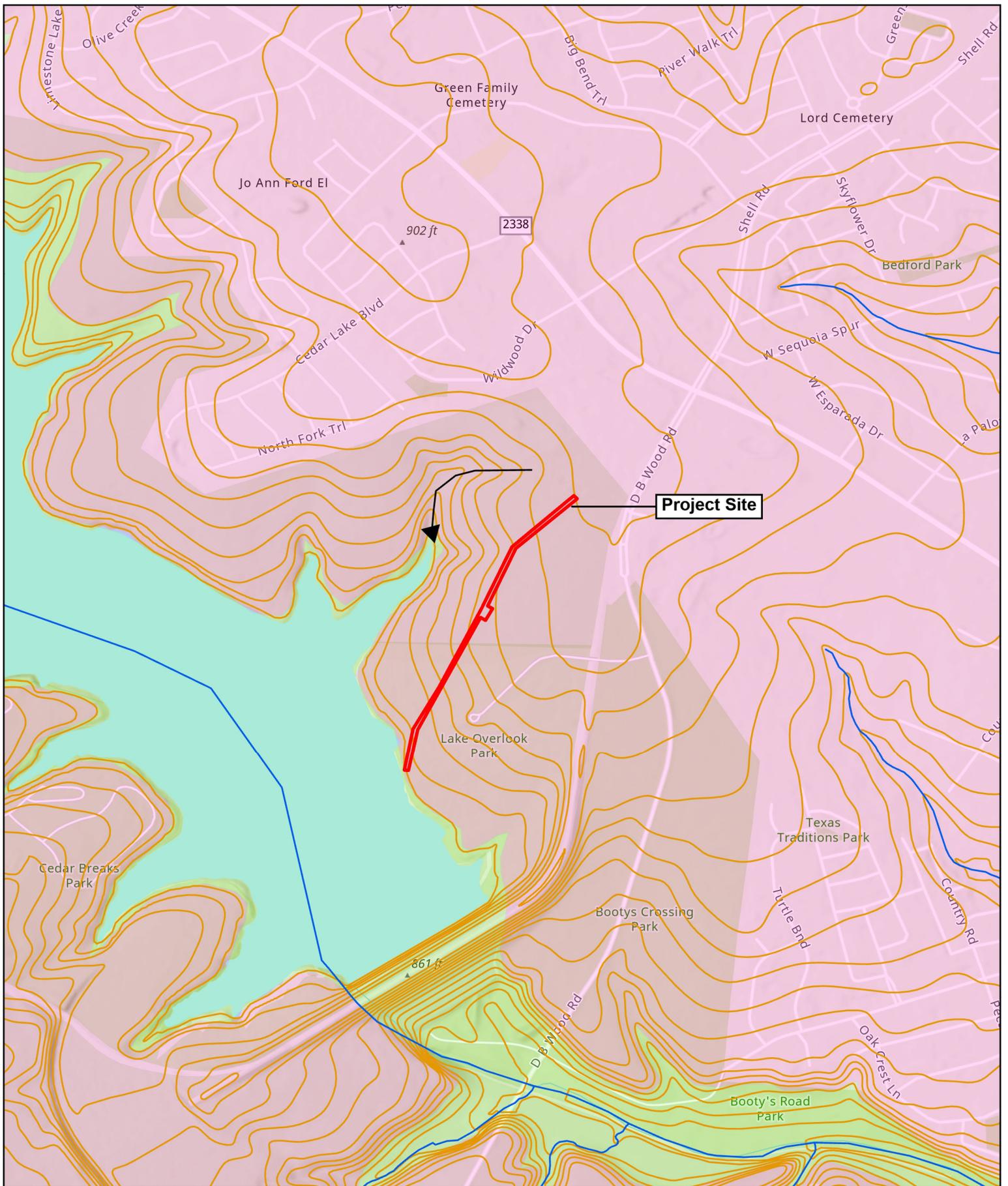
City of Georgetown
Lake Water Treatment Plant Zebra Mussel Mitigation Project
Water Pollution Abatement Plan

Structural Practices that will be used to limit the runoff discharge of sediments and pollutants from exposed areas of the proposed project include the following practices:

- Silt fencing;
- Rock berm;
- Stabilized Construction Entrance (SCE)
- Mulch sock

These practices are described in Attachment D, Temporary BMPs and Measures. No structural facilities, such as sedimentation ponds, will be constructed or used during construction activities.

Attachment G - Drainage Area Map
(TCEQ-0602)



- Contours
- Waterlines
- Edwards Aquifer Contributing Zone
- Edwards Aquifer Recharge Zone
- Edwards Aquifer Transition Zone

Attachement G: Drainage Area
Lake Water Treatment Plant
Williamson County, Texas



Attachment I - Inspection and
Maintenance for BMPs
(TCEQ-0602)

City of Georgetown
Lake Water Treatment Plan Zebra Mussel Mitigation Project
Water Pollution Abatement Plan

Silt fencing and mulch sock shall be inspected once per week and following every significant rainfall event (of at least 0.1 inch or greater). If such inspections reveal that additional measurements are needed to prevent movement of sedimentation to offsite areas, the Contractor shall promptly install additional erosion control devices as may be required.

Silt fences shall be maintained and repaired as follows:

- Remove accumulated sediment once build up reaches 6 inches
- Replace torn or damaged filter fabric
- Make any other repairs or adjustments, as needed, to ensure the silt fencing is functioning properly

Mulch sock shall be maintained and repaired as follows:

- Remove accumulated sediment once build up reaches one-half the height of the mulch sock
- Replace or repair sections that are torn, displaced, or flattened
- Make any other repairs or adjustments, as needed, to ensure the mulch sock is functioning properly

Rock berm shall be maintained as follows:

- Remove sediment and debris from rock berm after a rain event
- Repair any loose wire sheathing or reshape as needed
- Make any other repairs or adjustments, as needed, to ensure the rock berm is functioning properly

The stabilized construction entrance will also be inspected following precipitation events and stone will be replaced if silt accumulation is found to hinder the role of this BMP to minimize the off-site tracking of sediment.

Attachment J - Schedule of
Interim and Permanent Soil
Stabilization Practices
(TCEQ-0602)

City of Georgetown
Lake Water Treatment Plan Zebra Mussel Mitigation Project
Water Pollution Abatement Plan

Temporary soil stabilization practices will include minimizing soil disturbance during construction and hydroseeding of temporary vegetation in disturbed areas. These temporary soil stabilization practices will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. These interim measures will be inspected, maintained, and will remain in place for the duration of the construction phase of the project. These control measures will be planned and implemented in accordance with the Edwards Aquifer Technical Guidance Manual.

Permanent soil stabilization and site restoration will occur prior to project completion. Permanent soil stabilization measures will include the loaming, hydroseeding, and re-vegetation of the disturbed areas using a native grass mix that is properly monitored and managed until long-term vegetation stabilization has occurred.

Site Plan



CITY OF GEORGETOWN, TEXAS

LAKE WATER TREATMENT PLANT ZEBRA MUSSEL MITIGATION PROJECT

PROJECT No PRJ000706

CITY COUNCIL

MAYOR

JOSH SCHROEDER

CITY COUNCIL MEMBERS

- | | |
|-------------|--------------------------|
| AMANDA PARR | DISTRICT 1 |
| SHAWN HOOD | DISTRICT 2 |
| BEN BUTLER | DISTRICT 3 |
| RON GARLAND | DISTRICT 4 |
| KEVIN PITTS | MAYOR PRO TEM/DISTRICT 5 |
| JAKE FRENCH | DISTRICT 6 |
| BEN STEWART | DISTRICT 7 |

CITY MANAGER

DAVID MORGAN

ASSISTANT CITY MANAGERS

LAURIE BREWER
WAYNE NERO
NICK WOOLERY

WATER SERVICES UTILITY DIRECTOR

CHELSEA SOLOMON

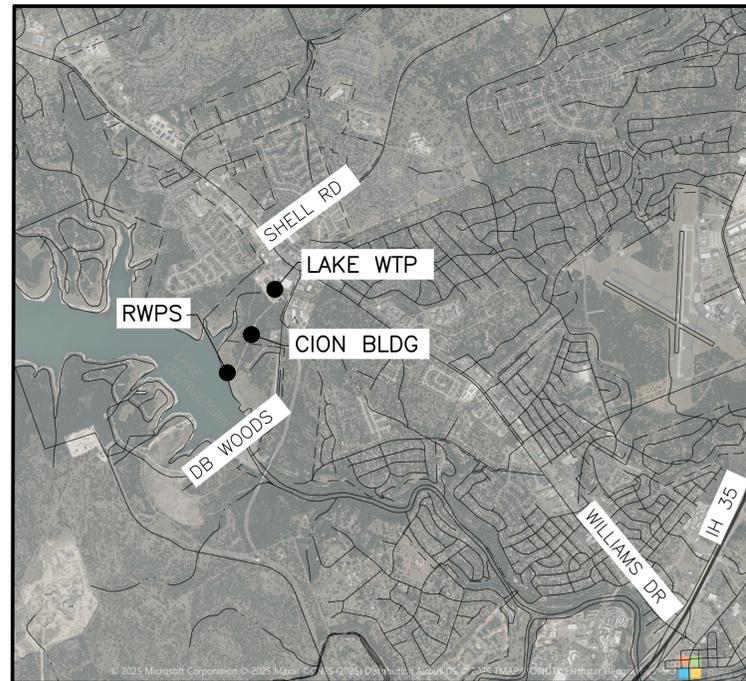
SYSTEMS ENGINEERING DIRECTOR

WESLEY WRIGHT, P.E.

UTILITY ENGINEER

DAVID MUNK, P.E.

FEBRUARY 2026



LOCATION PLAN



CITY OF GEORGETOWN, PROJECT MANAGER DATE

CITY OF GEORGETOWN, UTILITY ENGINEER DATE

PREPARED BY:

Monica Stiggins, PE 1/1/2026

CDM Smith TBPELS Firm No. F-3043 DATE

Water

Environment

Transportation

Energy

Facilities

XREFS: [CDMS_2234] Images: []
 Last saved by: BRUCENB Time: 1/12/2026 10:03:39 AM
 C:\Users\brucenb\OneDrive\CDM Smith Inc\Lake WTP Zebra Mussel\Project Files\01_Gen\10_CADD\G002NFGN.dwg
 © 2026 CDM SMITH ALL RIGHTS RESERVED.
 REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

LANDSCAPE & DRAINAGE SYMBOLS

SYMBOL	FEATURE
	BUILDING OR STRUCTURE FOOTPRINT
	TREE, SIZE & TYPE
	EDGE OF WOODS OR BRUSH
	MULCH SOCK
	SILT FENCE
	EXISTING TEMP CHEM FEED LINE
	ROCK BERM
	STABILIZED CONSTRUCTION ENTRANCE

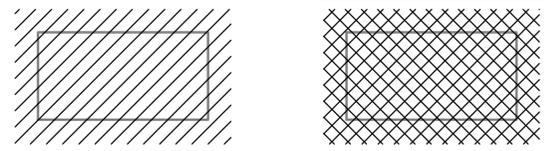
SURFACE ELEVATION SYMBOLS

SYMBOL	FEATURE
	DEPRESSION CONTOUR
	EXISTING INTERMEDIATE CONTOUR LINE & ELEVATION DESIGNATION
	EXISTING INDEX CONTOUR LINE & ELEVATION DESIGNATION
	PROPOSED INTERMEDIATE CONTOUR LINE & ELEVATION DESIGNATION
	PROPOSED INDEX CONTOUR LINE & ELEVATION DESIGNATION
	SPOT ELEVATION
	EXISTING EMBANKMENT (REVERSE SYMBOLS FOR CHANNEL)
	PROPOSED EMBANKMENT (REVERSE SYMBOLS FOR CHANNEL)

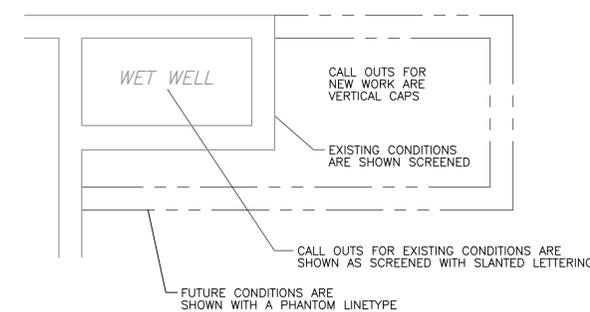
UNDERGROUND/OVERHEAD UTILITY SYMBOLS

SYMBOL	FEATURE
	WASTEWATER & MANHOLE
	STORM DRAIN & MANHOLE
	WATER LINE W/FIRE HYDRANT ASSEMBLY (INCLUDES VALVE)
	COMMUNICATION LINE
	ELECTRICAL CABLE/DUCT
	OVERHEAD ELECTRIC
	TELEPHONE
	OVERHEAD TELEPHONE
	GAS LINE
	LIGHT POLE
	POWER POLE W/GUY WIRE

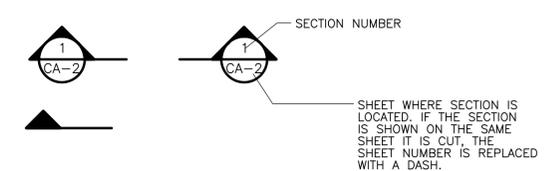
ITEMS TO BE REMOVED **ITEMS TO BE DEMOLISHED**



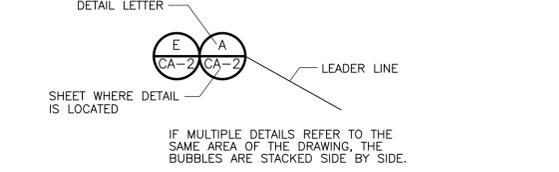
EXISTING OR FUTURE CONDITION DESIGNATION



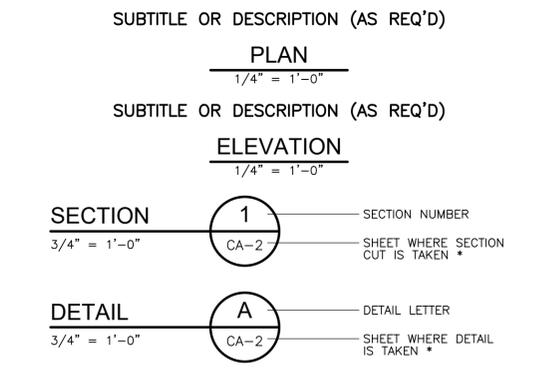
SECTION CUT SYMBOLS



DETAIL CALL OUT SYMBOLS



DRAWING, SECTION & DETAIL TITLES



* IF SECTION, DETAIL, SCHEMATIC OR DIAGRAM IS DRAWN ON THE SAME SHEET THAT IT IS TAKEN FROM, THE SHEET NUMBER IS REPLACED WITH A HYPHEN. IF THE SECTION IS REFERENCED ON MULTIPLE SHEETS, THE SHEET NUMBER SHOWN INDICATES THE FIRST SHEET THE SECTION IS TAKEN FROM.

PROJECT SURVEY NOTES:
 COORDINATES ARE SURFACE VALUES BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, CENTRAL ZONE 4203. TO CONVERT COORDINATES AND DISTANCES TO GRID VALUES DIVIDE BY A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00013. ELEVATIONS REPORTED ARE ORTHOMETRIC HEIGHTS BASED ON NAVD 88.

CONTROL LIST:

POINT NO.	NORTHING	EASTING	ELEV	DESCRIPTION
650	10221910.06258	3118116.552463	880.99	TPT-80D/W

ABBREVIATIONS

&	AND
A/C	AIR CONDITIONING
ARV	AIR RELEASE VALVE
ASPH	ASPHALT
BFV	BUTTERFLY VALE
BLDG	BUILDING
CHEM	CHEMICAL
CIION	COPPER ION
COM	COMMUNICATIONS
CONC	CONCRETE
D/W	DOWN WEST
DEF	DEFLECTION
DEMO	DEMOLISH
E	EAST
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATION
ESMT	EASEMENT
EXIST	EXISTING
FFE	FINISHED FLOOR ELEVATION
FL	FLOW LINE
FO	FIBER OPTIC
FRP	FIBERGLASS REINFORCE PLASTIC
GALV	GALVANIZED
GV	GATE VALVE
HB	HOSE BIBB
HPI	HORIZONTAL POINT OF INTERSECTION
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
LF	LINEAR FEET
MG	MAIN GRADE
MH	MANHOLE
MS	MULCH SOCK
N	NORTH
NE	NORTHEAST
NO.	NUMBER
NW	NORTHWEST
OH	OVERHEAD
PE	POLYETHYLENE
PP	POWER POLE
PPW	PROTECTED POTABLE WATER
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PW	POTABLE WATER
RED	REDUCER
REF	REFERENCE
RW	RAW WATER
RWPS	RAW WATER PUMP
S	SOUTH
SE	SOUTHEAST
SF	SILT FENCE
SHT	SHEET
SOLN	SOLUTION
SS	STAINLESS STEEL
ST	STEEL
STA	STATION
SW	SOUTHWEST
TPT	TIE POINT
TYP	TYPICAL
W	WATER
W	WEST
W/	WITH
WL	WATERLINE
WTP	WATER TREATMENT PLANT
YD	YARD

SHEET LIST

DWG NO.	DRAWING TITLE
G-0	COVER SHEET
G-1	GENERAL LEGEND, ABBREVIATIONS AND SHEET LIST
G-2	GENERAL NOTES
G-3	DESIGN CRITERIA AND PIPE SCHEDULE
C-1	OVERALL PLAN
C-2	SITE PLAN
C-3	CION SYSTEM PLAN STA 0+00 TO 8+56
C-4	CION SYSTEM PLAN STA 8+56 TO 18+00
C-5	4" POTABLE WATER PLAN STA 0+00 TO 7+75
C-6	4" POTABLE WATER PLAN STA 7+75 TO 15+00
CZ-1	STANDARD CIVIL DETAILS I
CZ-2	STANDARD CIVIL DETAILS II
CZ-3	CIVIL DETAILS I
CZ-4	CIVIL SECTIONS
A-1	ARCHITECTURAL GENERAL NOTES, LEGEND, AND ABBREVIATIONS
A-2	COPPER ION GENERATOR BUILDING LIFE SAFETY PLAN AND CODE KEY DETERMINATIONS
A-3	COPPER ION GENERATOR BUILDING PLANS
A-4	COPPER ION GENERATOR BUILDING ELEVATIONS
A-5	COPPER ION GENERATOR BUILDING SECTIONS
AZ-1	ARCHITECTURAL DOOR AND FINISHES SCHEDULES AND DETAIL SECTIONS
S-1	STRUCTURAL GENERAL NOTES I
S-2	STRUCTURAL GENERAL NOTES II
S-3	STRUCTURAL SPECIAL INSPECTIONS
S-4	COPPER ION GENERATOR BUILDING PLANS AND DETAIL SECTION
S-5	COPPER ION GENERATOR BUILDING ELEVATIONS AND SECTIONS
SZ-1	STRUCTURAL STANDARD DETAILS
M-1	MECHANICAL LEGEND, NOTES AND ABBREVIATIONS
M-2	COPPER ION GENERATOR BUILDING PLAN & SECTION
M-3	COPPER ION GENERATOR BUILDING SECTIONS
M-4	TEMPORARY CHEMICAL FEED SYSTEM DEMOLITION PLAN AT RAW WATER INTAKE
M-5	COPPER ION FEED SYSTEM PLAN AT RAW WATER INTAKE
MZ-1	STANDARD MECHANICAL DETAILS I
MZ-2	STANDARD MECHANICAL DETAILS II
H-1	HVAC LEGENDS, SYMBOLS, NOTES, AND ABBREVIATIONS
H-2	PLUMBING LEGENDS, SYMBOLS, NOTES, AND ABBREVIATIONS
H-3	COPPER ION GENERATOR BUILDING HVAC AND PLUMBING SCHEDULES AND CONTROL SEQUENCES
H-4	COPPER ION GENERATOR BUILDING FLOOR PLAN AND SECTIONS
HZ-1	HVAC DETAILS
HZ-2	PLUMBING DETAILS
E-1	ELECTRICAL LEGEND & SYMBOLS I
E-2	ELECTRICAL LEGEND & SYMBOLS II
E-3	ELECTRICAL GENERAL NOTES
E-4	ELECTRICAL SITE PLAN
E-5	ELECTRICAL ONE-LINE DIAGRAM AND PANELBOARD SCHEDULES
E-6	ELECTRICAL COPPER ION GENERATOR BUILDING PLAN
EZ-1	ELECTRICAL STANDARD DETAILS I
I-1	INSTRUMENTATION LEGEND I
I-2	INSTRUMENTATION LEGEND II
I-3	SYSTEM ARCHITECTURE OVERVIEW
I-4	PROCESS AND INSTRUMENTATION DIAGRAM COPPER ION GENERATION SYSTEM
IZ-1	INSTRUMENTATION INSTALLATION DETAIL 1



- G GENERAL
- C CIVIL
- D DEMOLITION
- P PROCESS MECHANICAL AND INSTRUMENTATION DIAGRAMS
- S STRUCTURAL
- A ARCHITECTURAL
- F FIRE PROTECTION
- H HVAC
- H PLUMBING
- M PROCESS MECHANICAL
- E ELECTRICAL
- I INSTRUMENTATION

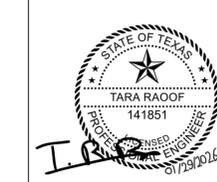
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOOF
 DRAWN BY: B. FLETCHER
 SHEET CHK'D BY: R. BORTZFIELD
 CROSS CHK'D BY: M. STIGGINS
 APPROVED BY: A. KARAMALEGOS
 DATE: FEBRUARY 2026



CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

GENERAL LEGEND, ABBREVIATIONS
 AND SHEET LIST
 SHEET NO. **G-1**



PROJECT NO. 2048-307307
 FILE NAME: G002NFGN.DWG
 SHEET NO. **G-1**

GENERAL NOTES

CONSTRUCTION GENERAL PERMIT
TPDES GENERAL PERMIT TXR150000

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER
POLLUTION ABATEMENT PLAN GENERAL CONSTRUCTION NOTES

1 CONTRACTOR SHALL PROVIDE "AS BUILT" DRAWINGS TO THE ENGINEER SO THAT THE REPRODUCIBLE OF THE ENGINEERING DRAWINGS MAY BE CORRECTED TO REFLECT "RECORD DRAWING" CONDITIONS. CONTRACTOR SHALL PROVIDE COMPLETE SURVEY DATA WITH VERTICAL AND HORIZONTAL LOCATIONS FOR UNDERGROUND UTILITIES, PIPELINE AND APPURTENANCES UPON COMPLETION OF CONSTRUCTION.
2 THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AND MAINTAIN ALL NECESSARY WARNING AND SAFETY DEVICES TO PROTECT WORKMEN AND THE PUBLIC SAFETY AND HEALTH UNTIL THE WORK HAS BEEN COMPLETED AND ACCEPTED BY THE CITY.
3 THE CONTRACTOR SHALL VERIFY BENCHMARK ELEVATIONS AND SURVEY CONTROL POINTS PRIOR TO THE START OF CONSTRUCTION.
4 THE LOCATIONS OF EXISTING UTILITIES & STRUCTURES SHOWN ON THESE DRAWINGS ARE APPROXIMATE & ALL MAY NOT BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY IN THE FIELD THE LOCATION OF ALL EXISTING UTILITIES & STRUCTURES PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION IN THE VICINITY OF UTILITIES, NOTIFY THE FOLLOWING AS APPLICABLE.
CITY OF GEORGETOWN 512-930-3555
VERIZON 512-869-2237 (RON McCORMICK AT GEORGETOWN)
TU ELECTRIC COMPANY 512-244-5662
GEORGETOWN ELECTRIC COMPANY 512-930-3555
5 TREES NOT SHOWN TO BE REMOVED SHALL NOT BE REMOVED WITHOUT ENGINEER'S APPROVAL. TREES APPROVED BY THE ENGINEER TO BE TRIMMED, SHALL BE CUT USING PROPER TOOLS AND THE TREE CUT SHALL BE PROPERLY SEALED.
6 NO WORK SHALL BE PERFORMED ON SATURDAYS, SUNDAYS, OR CITY HOLIDAYS WITHOUT WRITTEN PERMISSION BY OWNER. THE SPECIFIED CONTRACT TIMES WERE ESTABLISHED ASSUMING NO WEEKEND OR HOLIDAY WORK. SATURDAYS, SUNDAYS, AND HOLIDAYS WILL BE COUNTED IN DETERMINING THE NUMBER OF CONSECUTIVE CALENDAR DAYS USED TO COMPLETE THE PROJECT. WORKING HOURS ARE LIMITED TO 7:00 AM TO 6:00 PM, MONDAY THROUGH FRIDAY.
7 ELECTRICAL LINES ARE LOCATED CLOSE TO THE PROJECT. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE STATE LAW (VERNON'S ANNOTATED TEXAS STATUTES, ARTICLE 1436(C)) CONCERNING OPERATIONS IN THE VICINITY OF ELECTRICAL LINES AND THE NEED FOR EFFECTIVE PRECAUTIONARY MEASURES.
8 CONTRACTOR SHALL PARTICIPATE IN A PRE-CONSTRUCTION MEETING WITH THE OWNER, ENGINEER, AND OTHER AFFECTED PARTIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
9 NO BURNING OF TREES, BRUSH, RUBBISH, VEGETATION, OR OTHER OBJECTIONABLE MATTER WILL BE ALLOWED ON THE PROJECT SITE. ALL CLEARED AND GRUBBED MATERIAL SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE TO THE CITY OF GEORGETOWN. ALL EXCESS EXCAVATED MATERIALS SHALL BE HAULED OFF-SITE.
10 NO BLASTING WILL BE ALLOWED.
11 ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
12 CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EACH SEDIMENTATION/EROSION CONTROL MEASURE ON THIS PROJECT.
13 UNSUITABLE MATERIAL, STUMPS, OR EXCESS EXCAVATED MATERIALS SHALL BE KNOWN AS "WASTE" AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BECOME HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE PROJECT IN AN ENVIRONMENTALLY SOUND & LEGALLY APPROVED MANNER. THE CONTRACTOR SHALL NOTIFY THE CITY OF GEORGETOWN PRIOR TO OFFSITE DISPOSAL. THIS NOTIFICATION SHALL INCLUDE THE DISPOSAL LOCATION AND COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.
14 EROSION CONTROL CONSTRUCTION SEQUENCE:
1. INSTALL EROSION CONTROL MEASURES AS INDICATED.
2. SITE VISIT BY CITY OF GEORGETOWN INSPECTOR.
3. AFTER INSPECTOR APPROVAL, BEGIN CONSTRUCTION.
4. UPON CONSTRUCTION COMPLETION, RESTORE ALL DISTURBED AREAS.
5. ARRANGE FOR FINAL INSPECTION.
6. REMOVE TEMPORARY EROSION CONTROL MEASURES.
15 FOR MODIFICATIONS AT THE RAW WATER INTAKE STRUCTURE AND CONNECTIONS TO THE EXISTING PIPE, THE CONTRACTOR WILL BE ALLOWED TO HAVE THE EXISTING RAW WATER INTAKE STRUCTURE AND EXISTING PIPING OUT OF SERVICE FOR A MAXIMUM OF 4 CONSECUTIVE HOURS. THE OWNER SHALL BE NOTIFIED IN WRITING 72 HOURS PRIOR TO THE SHUTDOWN.
ALL EXISTING UTILITIES, STRUCTURES, AND PIPES SHALL BE PROTECTED BY CONTRACTOR.
16 CARE SHALL BE TAKEN TO PROTECT EXISTING FACILITIES.
17 FINISHED GRADES SHALL SLOPE UNIFORMLY.
18 ALL BURIED PIPING AND FITTINGS (VALVES, BENDS, TEES, ETC) SHALL BE RESTRAINED.
19 SURVEY CONTROL POINTS ARE SHOWN ON CIVIL SHEETS. THIS INFORMATION SERVES AS ONE-TIME BENCHMARK INFORMATION. CONTRACTOR TO PROVIDE ADDITIONAL LINES AND GRADES AS REQUIRED.
20 RESTRAINED JOINTS, DESIGNED PER AWWA GUIDELINES WITH FRICTION COEFFICIENT = 0.25, SHALL BE PROVIDED FOR ALL BURIED PIPE, INCLUDING AT ALL VERTICAL AND HORIZONTAL CHANGES IN DIRECTION, PIPE DIAMETER CHANGES, PLUGS, TEES, AND VALVES ON ALL BURIED PIPING HAVING FLEXIBLE JOINTS. NO CONCRETE THRUST BLOCKS WILL BE USED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. RESTRAINED JOINTS SHALL HAVE CORROSION RESISTANT BOLTS, NUTS, ETC IN ACCORDANCE WITH SPECIFICATIONS. RESTRAINED JOINTS SHALL BE MEGALUG SERIES 1100 OR ENGINEER APPROVED EQUAL.
21 ALL CONSTRUCTION MATERIAL/DEBRIS SHALL BE PLACED IN AN ON-SITE CONTAINER AND DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.
22 AT THE COMPLETION OF WORK AND IMMEDIATELY PRIOR TO FINAL INSPECTION, CLEANING OF THE ENTIRE PROJECT SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTIONS CIP14, CIP17, G8, AND 01770.
23 CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FACILITIES (SIGNS, UTILITIES, POLES, STRUCTURES, ETC). NOT ALL FACILITIES, ETC, ARE SHOWN.
24 ANY EXISTING PAVEMENT, CURBS, AND/OR SIDEWALKS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
25 ANY EXISTING FENCES, WALLS, AND FACILITIES DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
26 ALL DISTURBED AREAS SHALL BE GRADED, HYDROMULCHED OR SODDED, AND RESTORED AT THE CONTRACTOR'S EXPENSE.
27 CONTRACTOR SHALL FOLLOW SEQUENCE OF CONSTRUCTION SPECIFIED IN SECTION CIP3 AND SHALL NOT DEVIATE WITHOUT WRITTEN AUTHORIZATION FROM ENGINEER.
28 WHEN MAKING CONNECTIONS TO NEW OR EXISTING PIPING, CONTRACTOR SHALL PROVIDE ALL FITTINGS, ADAPTERS, CONNECTING PIECES, SLEEVES, FLEXIBLE COUPLINGS, ETC REQUIRED TO MAKE THE CONNECTIONS IN A MANNER SATISFACTORY TO THE ENGINEER REGARDLESS OF WHETHER OR NOT THESE COMPONENTS ARE SHOWN ON THE DRAWINGS.
29 ALL CAPS/PLUGS NOT SHOWN ON YARD PIPING PLAN SHEETS. CONTRACTOR IS RESPONSIBLE FOR ALL CAPS/PLUGS. ALL EXPOSED ENDS OF PIPES TO BE ABANDONED IN PLACE SHALL BE CAPPED/PLUGGED WITH CONCRETE OR MECHANICAL CAPS/PLUGS. RESTRAINED MECHANICAL CAPS OR PLUGS ARE REQUIRED FOR PIPES THAT WILL REMAIN IN SERVICE OR FOR FUTURE STUBOUTS.
30 NOT ALL PIPE FITTINGS OR APPURTENANCES MAY BE CALLED OUT OR SHOWN ON THE DRAWINGS BUT ARE REQUIRED TO BE PROVIDED BY THE CONTRACTOR FOR A COMPLETE PIPELINE SYSTEM. HORIZONTAL AND VERTICAL DEFLECTIONS OF THE PIPELINE SHALL BE OBTAINED BY DEFLECTIONS OF JOINTS. JOINT DEFLECTIONS SHALL BE LIMITED TO 75% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE DEFLECTION UNLESS APPROVED BY THE ENGINEER.

THE SWP3 MUST INCLUDE, AT A MINIMUM, THE INFORMATION DESCRIBED IN THIS SECTION.
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;
(D) THE TOTAL NUMBER OF ACRES OF THE ENTIRE PROPERTY AND THE TOTAL NUMBER OF ACRES WHERE CONSTRUCTION ACTIVITIES WILL OCCUR, INCLUDING OFF-SITE MATERIAL STORAGE AREAS, OVERBURDEN AND STOCKPILES OF DIRT, AND BORROW AREAS THAT ARE AUTHORIZED UNDER THE PERMITEE'S NOI;
(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) DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES;
(II) AREAS WHERE SOIL DISTURBANCE WILL OCCUR;
(III) LOCATIONS OF ALL MAJOR STRUCTURAL CONTROLS EITHER PLANNED OR IN PLACE;
(IV) LOCATIONS WHERE TEMPORARY OR PERMANENT STABILIZATION PRACTICES ARE EXPECTED TO BE USED;
(V) LOCATIONS OF CONSTRUCTION SUPPORT ACTIVITIES, INCLUDING OFF-SITE ACTIVITIES, THAT ARE AUTHORIZED UNDER THE PERMITEE'S NOI, INCLUDING MATERIAL, WASTE, BORROW, FILL, OR EQUIPMENT STORAGE AREAS;
(VI) SURFACE WATERS (INCLUDING WETLANDS) EITHER AT, ADJACENT, OR IN CLOSE PROXIMITY TO THE SITE;
(VII) LOCATIONS WHERE STORM WATER DISCHARGES FROM THE SITE DIRECTLY TO A SURFACE WATER BODY OR A MUNICIPAL SEPARATE STORM SEWER SYSTEM; AND
(VIII) VEHICLE WASH AREAS.
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 PERMITEE'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, AND
(K) THE NOTICE OF INTENT (NOI) AND ACKNOWLEDGEMENT CERTIFICATE FOR PRIMARY OPERATORS OF LARGE CONSTRUCTION SITES, AND THE SITE NOTICE FOR SMALL CONSTRUCTION SITES AND FOR SECONDARY OPERATORS OF LARGE CONSTRUCTION SITES.

2. A DESCRIPTION OF THE BEST MANAGEMENT PRACTICES (BMPs) THAT WILL BE USED TO MINIMIZE POLLUTION IN RUNOFF. THE DESCRIPTION MUST IDENTIFY THE GENERAL TIMING OR SEQUENCE FOR 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 PRACTICAL WITH CONSIDERATION FOR LOCAL TOPOGRAPHY, SOIL TYPE, AND RAINFALL.
(II) CONTROL MEASURES MUST BE PROPERLY SELECTED, INSTALLED, AND MAINTAINED ACCORDING TO THE MANUFACTURER'S OR DESIGNER'S SPECIFICATIONS.
(III) CONTROLS MUST BE DEVELOPED TO MINIMIZE THE OFFSITE TRANSPORT OF LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION MATERIALS.

(b) EROSION CONTROL AND STABILIZATION PRACTICES
THE SWP3 MUST INCLUDE A DESCRIPTION OF TEMPORARY AND PERMANENT EROSION CONTROL AND STABILIZATION PRACTICES FOR THE SITE, INCLUDING A SCHEDULE OF WHEN THE PRACTICES WILL BE IMPLEMENTED. SITE PLANS SHOULD ENSURE THAT EXISTING VEGETATION 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 AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED. STABILIZATION MEASURES THAT PROVIDE A PROTECTIVE COVER MUST BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED. EXCEPT AS PROVIDED IN (A) THROUGH (D) BELOW, THESE MEASURES MUST BE INITIATED NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

- 1. A WRITTEN NOTE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED 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 MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
3. IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SINK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE APPROPRIATE PROTECTIVE MEASURES IN ORDER TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
4. NO TEMPORARY OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
5. 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 APPROVED PLANS AND MANUFACTURER'S SPECIFICATIONS. IF INSPECTORS 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.
6. 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.
7. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
9. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
10. IF PORTIONS OF THE SITE WILL HAVE A TEMPORARY OR PERMANENT 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.
11. THE FOLLOWING RECORDS SHALL 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.
12. THE HOLDER OF ANY APPROVED EDWARDS AQUIFER PROTECTION PLAN 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 WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER.
C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

Table with 2 columns: Austin Regional Office (12100 Park 35 Circle, Building A, Austin, Texas 78753-1808) and San Antonio Regional Office (14250 Judson Road, San Antonio, Texas 78233-4480). Includes phone and fax numbers for both.

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

Vertical text on the left margin: XREFS: [CDMS_2234] Images: [] Last saved by: BRUCEBMB Time: 1/22/2026 8:55:10 AM C:\Users\brucebmb\OneDrive\CDM_Smith Inc\Lake WTP Zebra Mussel\Project Files\01_Gen\10_CADD\G003NFAB.dwg © 2026 CDM SMITH ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

Table with 5 columns: REV. NO., DATE, DRWN, CHKD, REMARKS. Contains revision history entries.

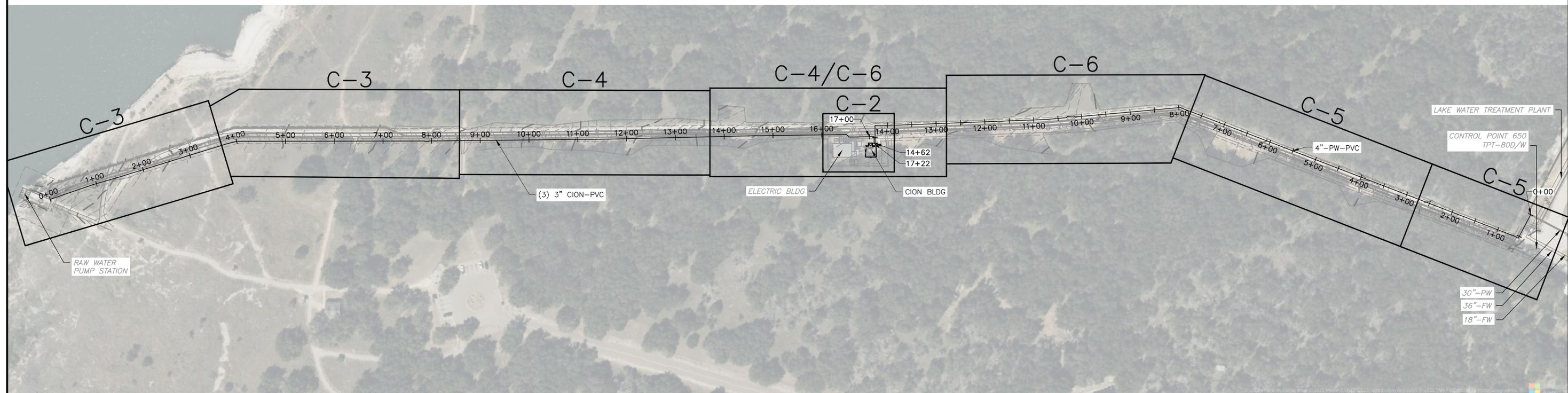
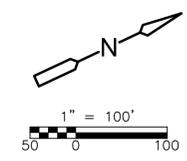
DESIGNED BY: T. RAOOF
DRAWN BY: B. FLETCHER
SHEET CHK'D BY: R. BORTZFIELD
CROSS CHK'D BY: M. STIGGINS
APPROVED BY: A. KARAMALEGOS
DATE: FEBRUARY 2026
CDM Smith logo and address: 8310-1 N CAPITAL OF TEXAS HWY STE 250, Austin, TX 78731, Tel: (512) 346-1100, TPDELS Firm Number F-3043

CITY OF GEORGETOWN
LAKE WATER TREATMENT PLANT
ZEBRA MUSSEL MITIGATION PROJECT

GENERAL NOTES
PROJECT NO. 2048-307307
FILE NAME: G003NFAB.DWG
SHEET NO. G-2



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PROJECT SURVEY NOTES:
 COORDINATES ARE SURFACE VALUES BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, CENTRAL ZONE 4203. TO CONVERT COORDINATES AND DISTANCES TO GRID VALUES DIVIDE BY A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00013. ELEVATIONS REPORTED ARE ORTHOMETRIC HEIGHTS BASED ON NAVD 88.

CONTROL LIST:

POINT NO.	NORTHING	EASTING	ELEV	DESCRIPTION
650	10221910.06258	31181116.552463	880.99	TPT-80D/W



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOUF
 DRAWN BY: N. BRUCE
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMELEGOS
 APPROVED BY: T. RAOUF
 DATE: FEBRUARY 2026

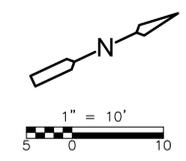
CDM Smith
 8310-1 N CAPITAL OF TEXAS HWY STE 250
 Austin, TX 78731
 Tel: (512) 346-1100
 TBPCLS Firm Number F-3043

CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

OVERALL PLAN

PROJECT NO. 2048-307307
 FILE NAME: C0010VPL.DWG
 SHEET NO.
C-1

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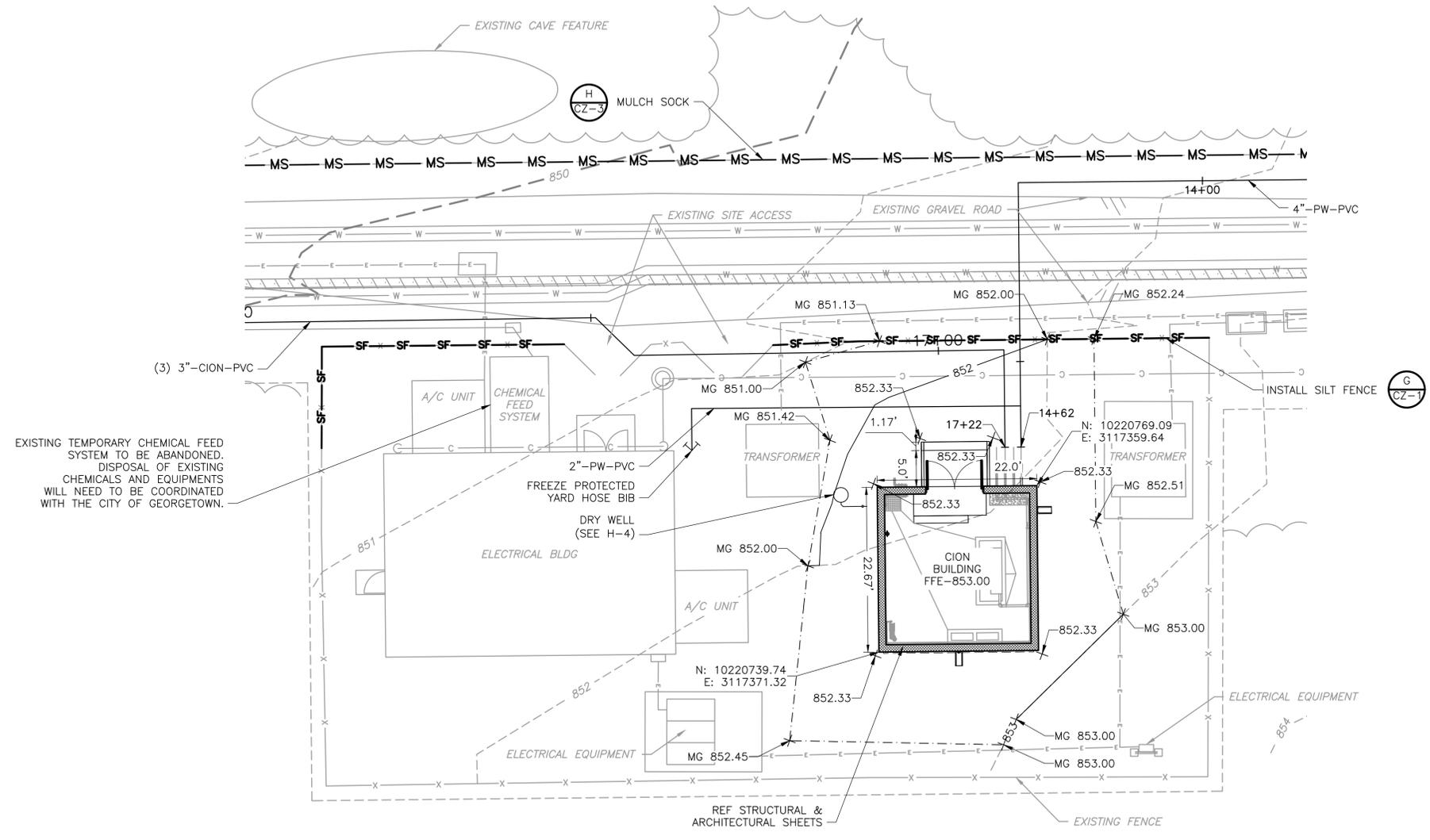


LEGEND

--- GRADING LIMITS

NOTES:

1. THE CONTRACTOR SHALL REVEGETATE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO LIMITS OF CONSTRUCTION, TRENCHING, STAGING AREAS, AND ACCESS ROUTES. REVEGETATION SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL REVEGETATION IS SUCCESSFULLY ESTABLISHED.



PLAN
1" = 10'

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOOF
 DRAWN BY: N. BRUCE
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMELEQOS
 APPROVED BY: T. RAOOF
 DATE: FEBRUARY 2026

CDM Smith
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 Austin, TX 78731
 Tel: (512) 346-1100
 TBPELS Firm Number F-3043

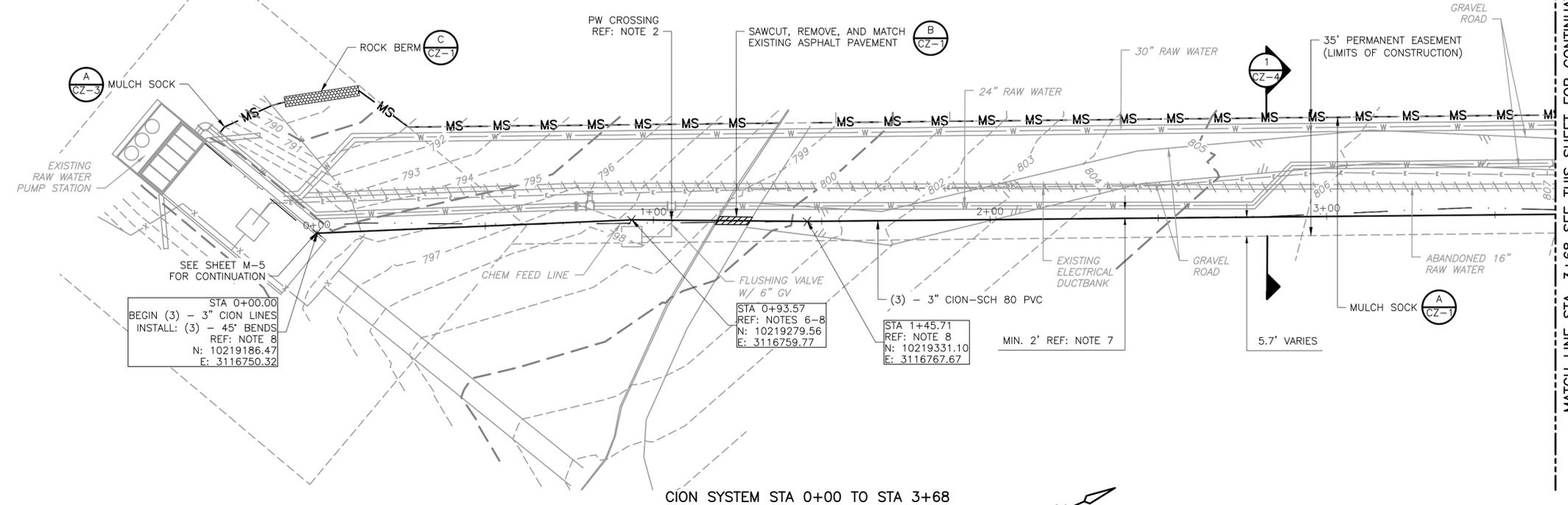
CITY OF GEORGETOWN
**LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT**

SITE PLAN



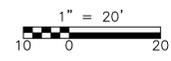
PROJECT NO.	2048-307307
FILE NAME:	C002STPL.DWG
SHEET NO.	C-2

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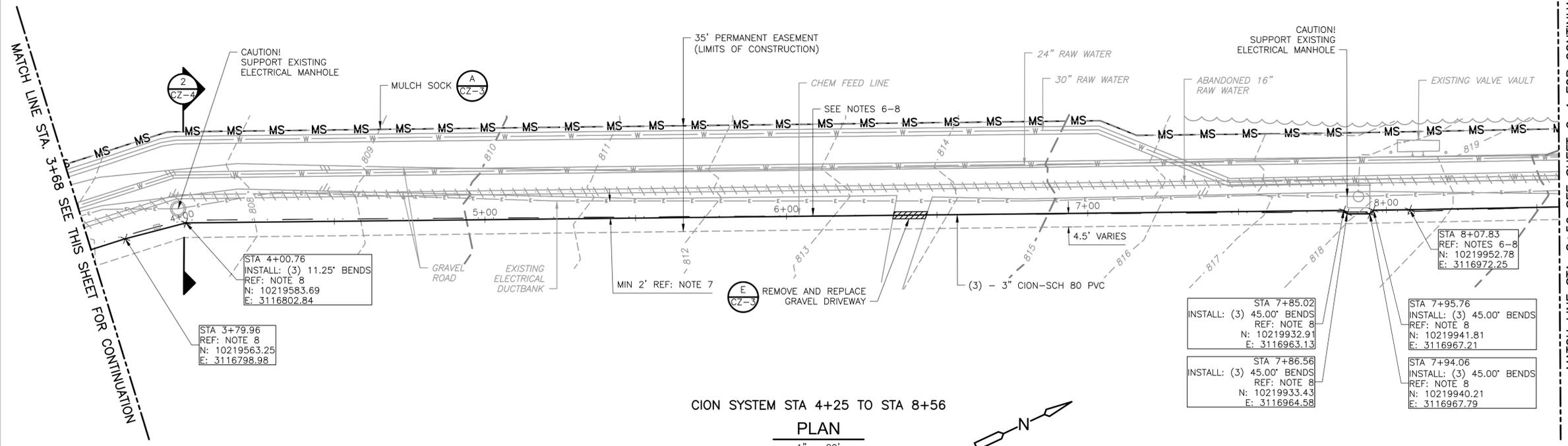
CION SYSTEM STA 0+00 TO STA 3+68

PLAN
1" = 20'



- NOTES:
1. LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES.
 2. CONTRACTOR TO MAINTAIN 36" COVER OVER PROPOSED UTILITIES UNLESS OTHERWISE SHOWN ON PLANS. CONTRACTOR TO MAINTAIN MINIMUM 18" VERTICAL CLEARANCE BETWEEN PROPOSED AND EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON PLANS.
 3. ABANDONED UTILITIES SHALL BE CUT, PLUGGED, AND FILLED WITH FLOWABLE FILL SUBSIDIARY TO THE COST OF PIPE.
 4. DRIVEWAYS, STREETS, AND DRAINAGE STRUCTURES IMPACTED BY THE UTILITIES INSTALLATION SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION SUBSIDIARY TO THE COST OF PIPE.
 5. ANY DISCREPANCIES FROM WHAT IS SHOWN ON PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
 6. CONTRACTOR TO INSTALL THE PROPOSED CION LINES AT THE LOCATION OF THE EXISTING CHEMICAL FEED LINES. CONTRACTOR TO UTILIZE THE EXISTING BEDDING FOR THE INSTALLATION OF THE PROPOSED PIPING AND FOLLOW DETAIL D ON SHEET C2-3 FOR TO DETERMINE THE ADDITIONAL BEDDING REQUIRED. CONTRACTOR TO REMOVE EXISTING CHEMICAL FEED LINE AND CHEMICAL PULL BOXES.
 7. CONTRACTOR TO MAINTAIN MINIMUM 2 FT HORIZONTAL SEPARATION FROM THE PROPOSED UTILITIES AND EXISTING UTILITIES AND MANHOLES.
 8. ALL FITTINGS SHALL BE RESTRAINED.

MATCH LINE STA. 3+68 SEE THIS SHEET FOR CONTINUATION



CION SYSTEM STA 4+25 TO STA 8+56

PLAN
1" = 20'

MATCH LINE STA. 8+56 SEE SHEET C-4 FOR CONTINUATION

MATCH LINE STA. 3+68 SEE THIS SHEET FOR CONTINUATION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOOF
 DRAWN BY: N. BRUCE
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMELECOU
 APPROVED BY: T. RAOOF
 DATE: FEBRUARY 2026

CDM Smith
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 TBPELS Firm Number F-3043

CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

CION SYSTEM PLAN
 STA 0+00 TO 8+56

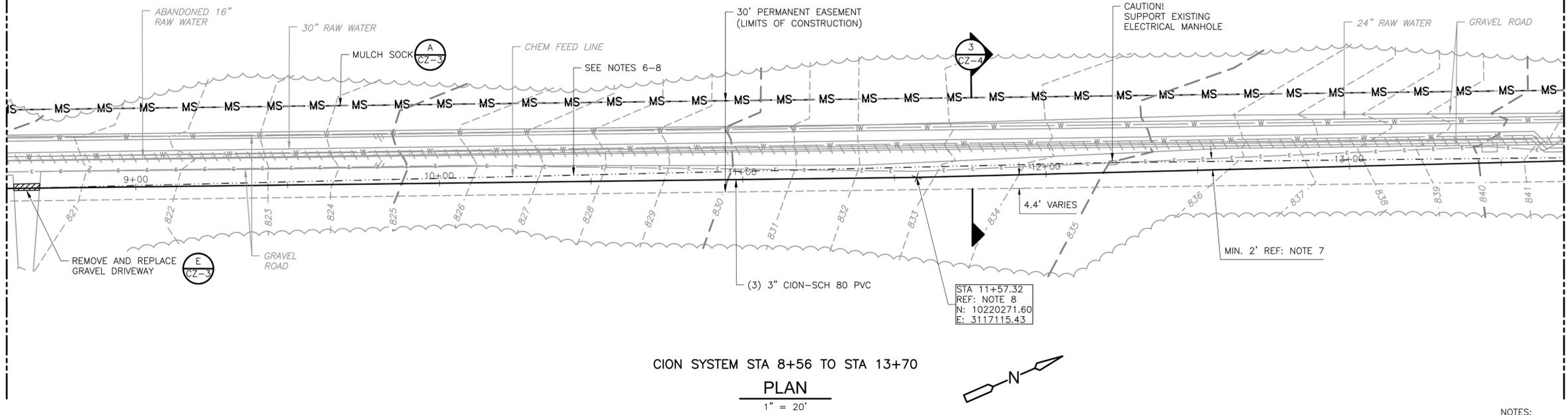
PROJECT NO. 2048-307307
 FILE NAME: C003YPPL.dwg
 SHEET NO. C-3



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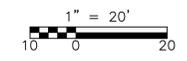
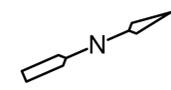
MATCH LINE STA. 8+56 SEE SHEET C-3 FOR CONTINUATION

MATCH LINE STA. 13+70 SEE THIS SHEET FOR CONTINUATION



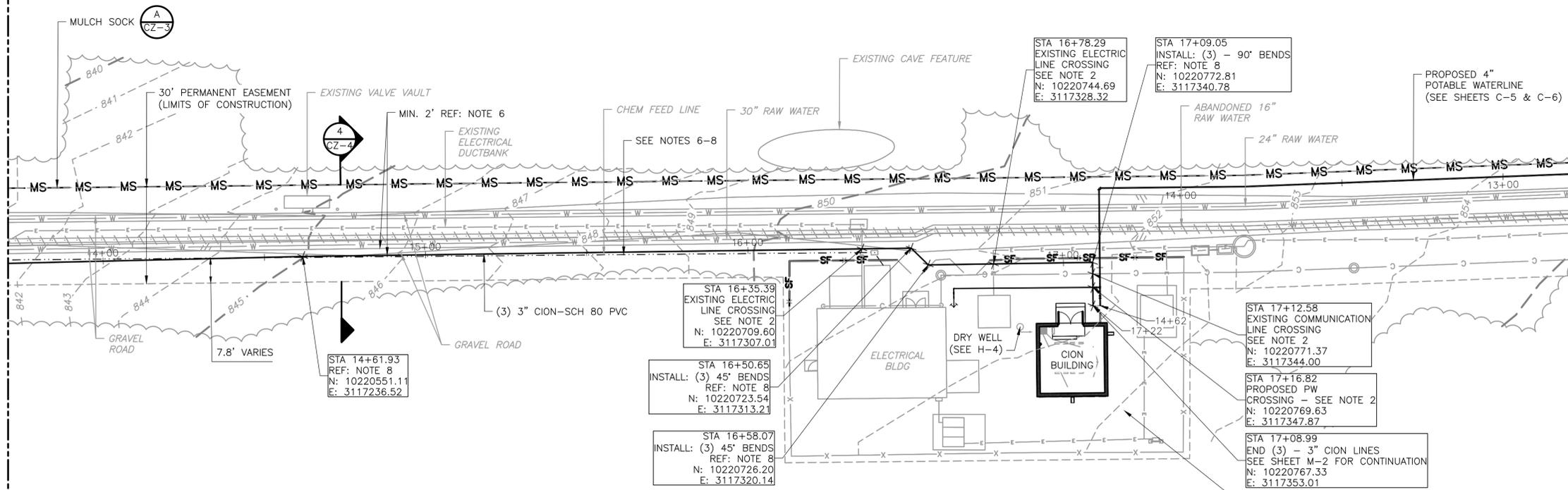
CION SYSTEM STA 8+56 TO STA 13+70

PLAN
1" = 20'



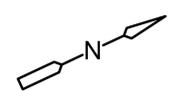
NOTES:

1. LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES.
2. CONTRACTOR TO MAINTAIN 36" COVER OVER PROPOSED UTILITIES UNLESS OTHERWISE SHOWN ON PLANS. CONTRACTOR TO MAINTAIN MINIMUM 18" VERTICAL CLEARANCE BETWEEN PROPOSED AND EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON PLANS.
3. ABANDONED UTILITIES SHALL BE CUT, PLUGGED, AND FILLED WITH FLOWABLE FILL SUBSIDIARY TO THE COST OF PIPE.
4. DRIVEWAYS, STREETS, AND DRAINAGE STRUCTURES IMPACTED BY THE UTILITIES INSTALLATION SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION SUBSIDIARY TO THE COST OF PIPE.
5. ANY DISCREPANCIES FROM WHAT IS SHOWN ON PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
6. CONTRACTOR TO INSTALL THE PROPOSED CION LINES AT THE LOCATION OF THE EXISTING CHEMICAL FEED LINES. CONTRACTOR TO UTILIZE THE EXISTING BEDDING FOR THE INSTALLATION OF THE PROPOSED PIPING AND FOLLOW DETAIL D ON SHEET C-3 FOR TO DETERMINE THE ADDITIONAL BEDDING REQUIRED. CONTRACTOR TO REMOVE EXISTING CHEMICAL FEED LINE AND CHEMICAL PULL BOXES.
7. CONTRACTOR TO MAINTAIN MINIMUM 2 FT HORIZONTAL SEPARATION FROM THE PROPOSED UTILITIES AND EXISTING UTILITIES AND MANHOLES.
8. ALL FITTINGS SHALL BE RESTRAINED.



CION SYSTEM STA 13+70 TO STA 18+00

PLAN
1" = 20'



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOUF
 DRAWN BY: N. BRUCE
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMELECOU
 APPROVED BY: T. RAOUF
 DATE: FEBRUARY 2026

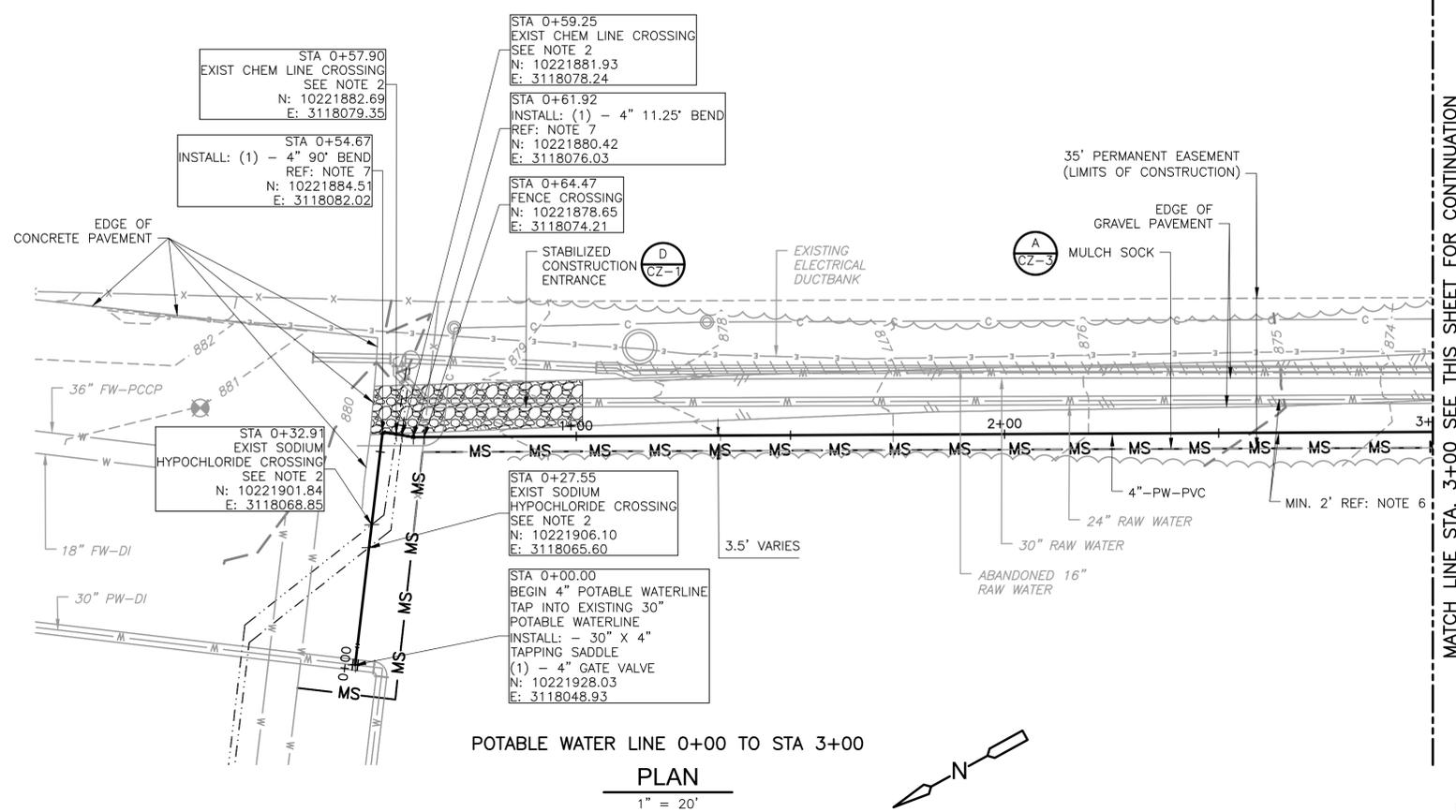
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 TBPELS Firm Number F-3043

CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

CION SYSTEM PLAN
 STA 8+56 TO 18+00

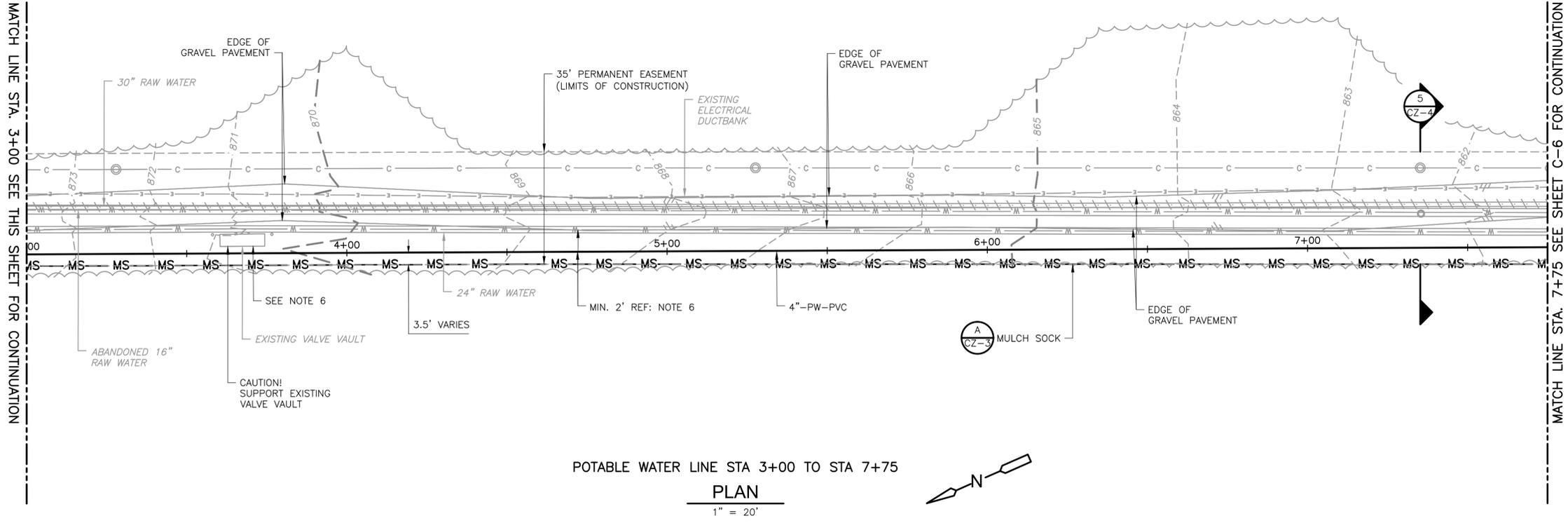
PROJECT NO. 2048-307307
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 SHEET NO. C-4

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POTABLE WATER LINE 0+00 TO STA 3+00
PLAN
1" = 20'

- NOTES:
1. LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES.
 2. CONTRACTOR TO MAINTAIN 36" COVER OVER PROPOSED UTILITIES UNLESS OTHERWISE SHOWN ON PLANS. CONTRACTOR TO MAINTAIN MINIMUM 18" VERTICAL CLEARANCE BETWEEN PROPOSED AND EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON PLANS.
 3. EXISTING UTILITIES THAT ARE TO BE ABANDONED IN PLACE SHALL BE CUT, FILLED WITH FLOWABLE FILL AND PLUGGED SUBSIDIARY TO THE COST OF PIPE.
 4. DRIVEWAYS, STREETS, AND DRAINAGE STRUCTURES IMPACTED BY THE UTILITIES INSTALLATION SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION SUBSIDIARY TO THE COST OF PIPE.
 5. ANY DISCREPANCIES FROM WHAT IS SHOWN ON PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
 6. CONTRACTOR TO MAINTAIN MINIMUM 2 FT HORIZONTAL SEPARATION FROM THE PROPOSED UTILITIES AND EXISTING UTILITIES AND MANHOLES.
 7. ALL FITTINGS SHALL BE RESTRAINED.



POTABLE WATER LINE STA 3+00 TO STA 7+75
PLAN
1" = 20'

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOOF
 DRAWN BY: N. BRUCE
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMELECOGOS
 APPROVED BY: T. RAOOF
 DATE: FEBRUARY 2026

CDM Smith
 8310-1 N CAPITAL OF TEXAS HWY STE 250
 Austin, TX 78731
 Tel: (512) 346-1100
 TBPELS Firm Number F-3043

CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

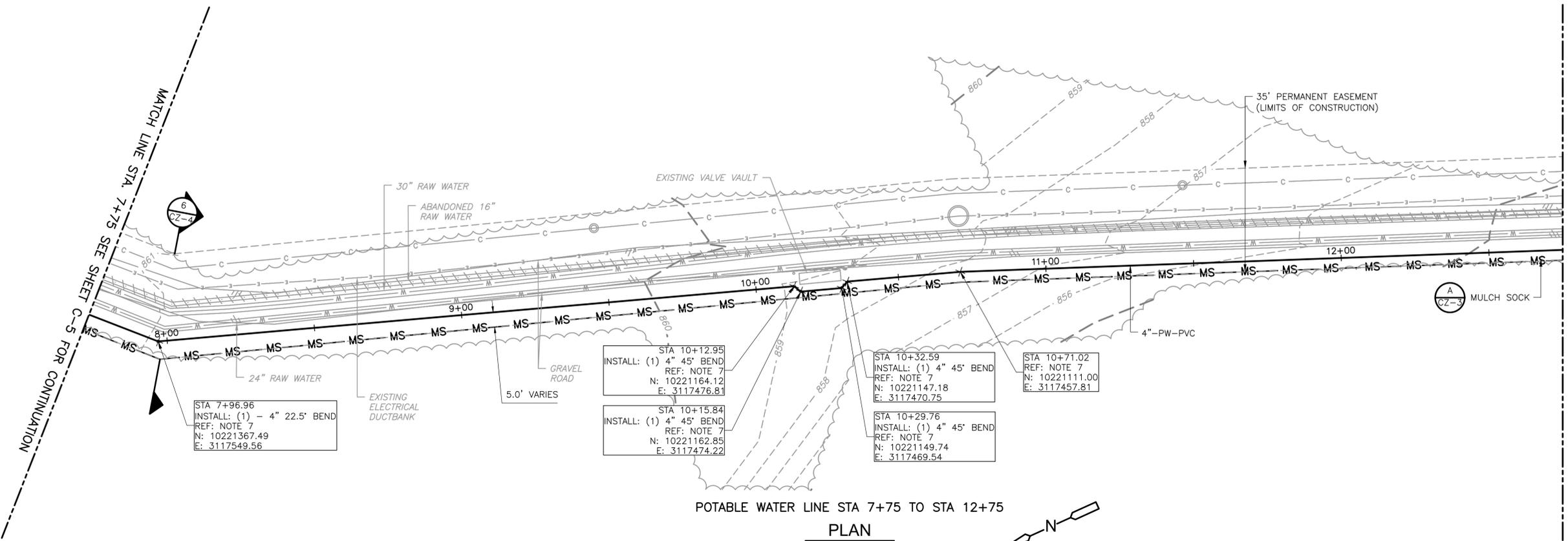
4" POTABLE WATER PLAN
 STA 0+00 TO 7+75

SHEET NO. C-5



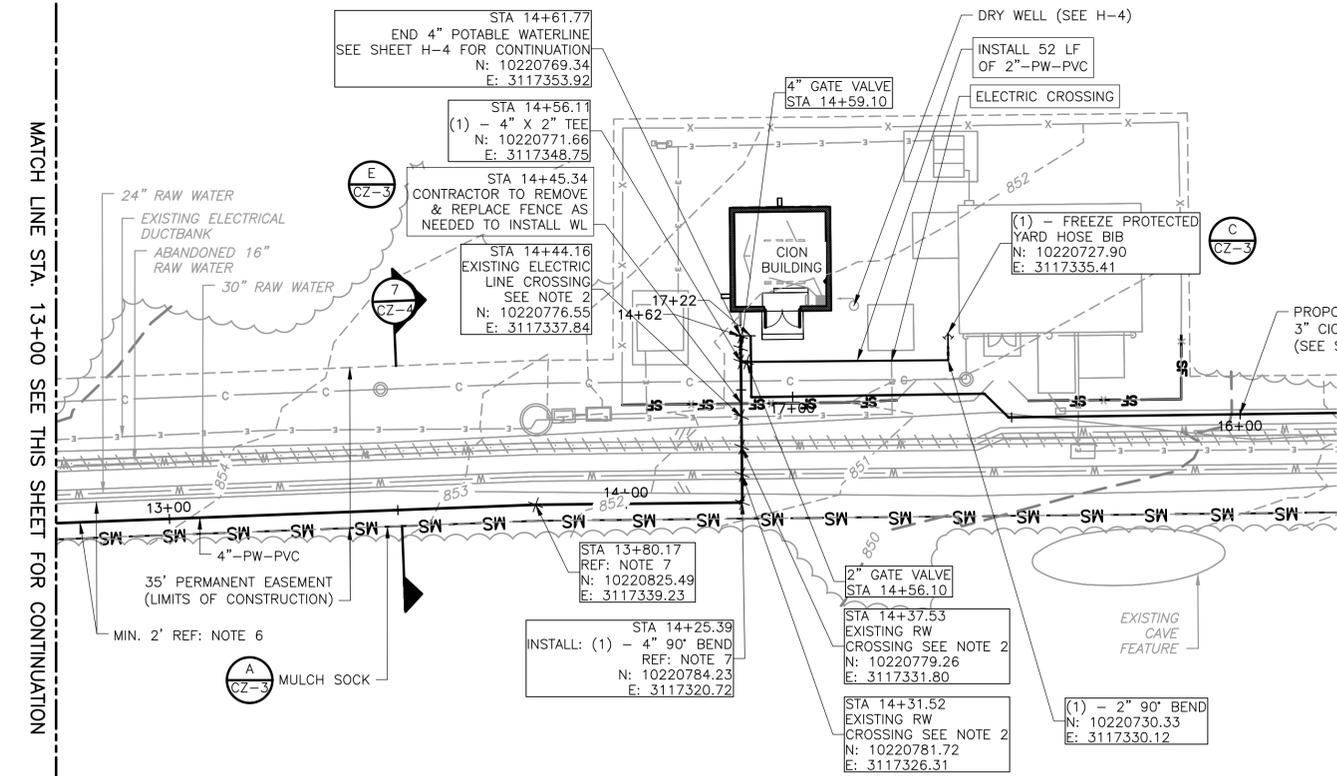
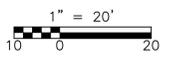
PROJECT NO. 2048-307307
 FILE NAME: C005YPPL.dwg
 SHEET NO. C-5

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POTABLE WATER LINE STA 7+75 TO STA 12+75

PLAN
1" = 20'



POTABLE WATER LINE STA 13+00 TO STA 15+00

PLAN
1" = 20'

NOTES:

1. LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES.
2. CONTRACTOR TO MAINTAIN 36" COVER OVER PROPOSED UTILITIES UNLESS OTHERWISE SHOWN ON PLANS. CONTRACTOR TO MAINTAIN MINIMUM 18" VERTICAL CLEARANCE BETWEEN PROPOSED AND EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON PLANS.
3. EXISTING UTILITIES THAT ARE TO BE ABANDONED IN PLACE SHALL BE CUT, FILLED WITH FLOWABLE FILL AND PLUGGED SUBSIDIARY TO THE COST OF PIPE.
4. DRIVEWAYS, STREETS, AND DRAINAGE STRUCTURES IMPACTED BY THE UTILITIES INSTALLATION SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION SUBSIDIARY TO THE COST OF PIPE.
5. ANY DISCREPANCIES FROM WHAT IS SHOWN ON PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
6. CONTRACTOR TO MAINTAIN MINIMUM 2 FT HORIZONTAL SEPARATION FROM THE PROPOSED UTILITIES AND EXISTING UTILITIES AND MANHOLES.
7. ALL FITTINGS SHALL BE RESTRAINED.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOUF
 DRAWN BY: N. BRUCE
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMELECOU
 APPROVED BY: T. RAOUF
 DATE: FEBRUARY 2026



CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

4" POTABLE WATER PLAN
 STA 7+75 TO 15+00

PROJECT NO. 2048-307307
 FILE NAME: C006YPPL.dwg
 SHEET NO. C-6

GUIDELINES FOR DESIGN AND INSTALLATION OF
TEMPORARY EROSION AND SEDIMENTATION CONTROLS

TYPE OF STRUCTURE	REACH LENGTH	MAXIMUM DRAINAGE AREA	SLOPE
SILT FENCE	N/A	2 ACRES	0 - 10%
	200 FEET	2 ACRES	10 - 20%
	100 FEET	1 ACRE	20 - 30%
TRIANGLE FILTER DIKE	50 FEET	1/2 ACRE	< 30% SLOPE
	50 FEET	1/4 ACRE	> 30% SLOPE
ROCK BERM *, **	500 FEET	< 5 ACRES	0 - 10%

* FOR ROCK BERM DESIGN WHERE PARAMETERS ARE OTHER THAN STATED, DRAINAGE AREA CALCULATIONS AND ROCK BERM DESIGN MUST BE SUBMITTED FOR REVIEW.

** HIGH SERVICE ROCK BERMS MAY BE REQUIRED IN AREAS OF ENVIRONMENTAL SIGNIFICANCE AS DETERMINED BY THE CITY OF GEORGETOWN.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS TEMPORARY EROSION AND SEDIMENTATION CONTROL GUIDELINES	ADOPTED 6/21/2006	EC01
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

DETAIL A
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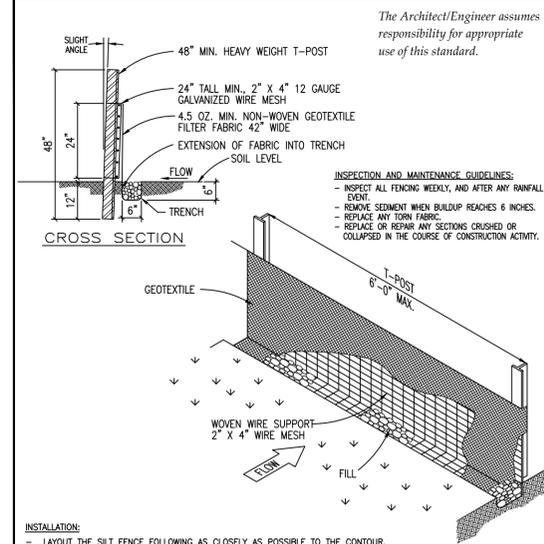
NOTE: THIS SECTION IS INTENDED TO ASSIST THOSE PERSONS PREPARING WATER POLLUTION ABATEMENT PLANS (WPAP) OR STORM WATER POLLUTION PREVENTION PLANS (SWPP) THAT COMPLY WITH FEDERAL, STATE AND/OR LOCAL STORM WATER REGULATIONS.

- THE CONTRACTOR TO INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING, OR EDUCATION). CONTRACTOR TO REMOVE EROSION/SEDIMENTATION CONTROLS AT THE COMPLETION OF PROJECT AND GRASS RESTORATION.
- ALL PROJECTS WITHIN THE RECHARGE ZONE OF THE EDWARDS AQUIFER SHALL SUBMIT A BEST MANAGEMENT PRACTICES AND WATER POLLUTION AND ABATEMENT PLAN TO THE TRWC FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
- THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS TO BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN AND WATER POLLUTION ABATEMENT PLAN. DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED TO AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL PLANTING SHALL BE DONE BETWEEN MAY 1 AND SEPTEMBER 15 EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING. IF PLANTING IS AUTHORIZED TO BE DONE OUTSIDE THE DATES SPECIFIED, THE SEED SHALL BE PLANTED WITH THE ADDITION OF WINTER FESQUE (CENTURY 31) AT A RATE OF 100#/ACRE. GRASS SHALL BE COMBINATION GRASS, HALEL, MINIMUM 80% PURE LIVE SEED. ALL GRASS SEED SHALL BE FREE FROM NOXIOUS WEED GRADE "A" RECENT CROP, RECLEANED AND TREATED WITH APPROPRIATE FUNGICIDE AT THE TIME OF MIXING. SEED SHALL BE FURNISHED IN SEALED, STANDARD CONTAINERS WITH DEALER'S GUARANTEED ANALYSIS.
- ALL DISTURBED AREAS TO BE RESTORED AS NOTED IN THE WATER POLLUTION ABATEMENT PLAN.
- THE PLANTED AREA TO BE RESTORED OR SPRAWLED IN A MANNER THAT WILL NOT EXPOSE THE TOPSOIL, BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF FOUR (4) INCHES. THE IRRIGATION TO OCCUR AT 10-DAY INTERVALS DURING THE FIRST TWO MONTHS TO INSURE GERMINATION AND ESTABLISHMENT OF THE GRASS. RAINFALL OCCURRENCES OF 1/2 INCH OR GREATER TO POSTPONE THE WATERING SCHEDULE ONE WEEK.
- RESTORATION TO BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 95% COVERAGE. PROVIDED NO BARE SPOTS LARGER THAN 25 SQUARE FEET EXIST.
- A MINIMUM OF FOUR (4) INCHES OF TOPSOIL TO BE PLACED IN ALL AREAS DISTURBED BY CONSTRUCTION.
- THE CONTRACTOR TO HYDROMULCH OR SOD (AS SHOWN ON PLANS) ALL EXPOSED CUTS AND FILLS UPON COMPLETION OF CONSTRUCTION.
- EROSION AND SEDIMENTATION CONTROLS TO BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILDUP WITHIN TREE DRIFLINE.
- TO AVOID SOIL COMPACTION, CONTRACTOR SHALL NOT ALLOW VEHICULAR TRAFFIC, PARKING, OR STORAGE OF EQUIPMENT OR MATERIALS IN THE TREE DRIFLINE AREAS.
- WHERE A FENCE IS CLOSER THAN FOUR (4) FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF EIGHT (8) FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE FENCING. TREES TO BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
- ANY ROOT EXPOSED BY CONSTRUCTION ACTIVITY TO BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOPSOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN TWO DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
- CONTRACTOR TO PRUNE VEGETATION TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND EQUIPMENT BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.). ALL FINISHED PRUNING TO BE DONE ACCORDING TO RECOGNIZED APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES).
- THE CONTRACTOR IS TO INSPECT THE CONTROLS AT WEEKLY INTERVALS AND AFTER EVERY RAINFALL EXCEEDING 1/4" INCH TO VERIFY THAT THEY HAVE BEEN SPONTANEOUSLY DISTURBED. ANY ACCUMULATED SEDIMENT AFTER A SIGNIFICANT RAINFALL TO BE REMOVED AND PLACED IN THE OWNER DESIGNATED SPILL DISPOSAL SITE. THE CONTRACTOR TO CONDUCT PERIODIC INSPECTIONS OF ALL EROSION/SEDIMENTATION CONTROLS AND MAKE ANY REPAIRS OR MODIFICATIONS NECESSARY TO ASSURE CONTINUED EFFECTIVE OPERATION OF EACH DEVICE.
- WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, SURFACE WELL, OR OTHER SUCH SITE DEVELOPMENT IMMINENTLY ADJACENT TO A PROTECTED TREE, ERECT THE FENCE APPROXIMATELY TWO TO FOUR FEET (2'-4') BEHIND THE AREA IN QUESTION.
- NO ABOVE AND/OR BELOW GROUND TEMPORARY FUEL STORAGE FACILITIES TO BE STORED ON THE PROJECT SITE.
- IF EROSION AND SEDIMENTATION CONTROL SYSTEMS ARE EXISTING FROM PRIOR CONSTRUCTION, OWNER'S REPRESENTATIVE AND THE CONTRACTOR TO EXAMINE THE EXISTING EROSION AND SEDIMENTATION CONTROL SYSTEMS FOR DAMAGE PRIOR TO CONSTRUCTION. ANY DAMAGE TO PREEXISTING EROSION AND SEDIMENTATION CONTROLS TO BE REPAIRED AT OWNER'S EXPENSE.
- INTENTIONAL RELEASE OF VEHICLE OR EQUIPMENT FLUIDS ONTO THE GROUND IS NOT ALLOWED. CONTAMINATED SOIL RESULTING FROM ACCIDENTAL SPILL TO BE REMOVED AND DISPOSED OF PROPERLY.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS EROSION AND SEDIMENTATION AND TREE PROTECTION NOTES	ADOPTED 6/21/2006	EC01A
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

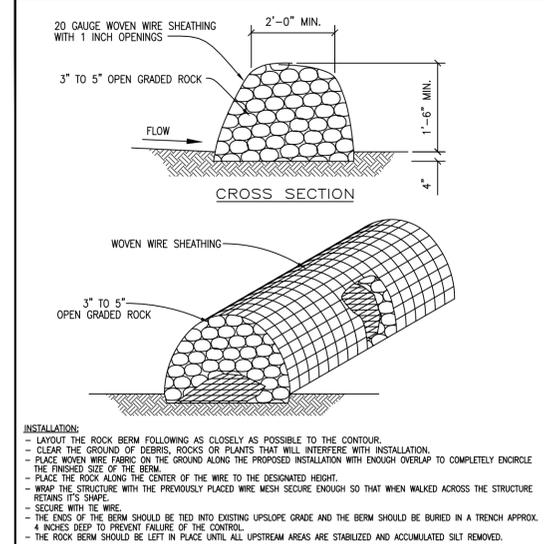
DETAIL B
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- INSPECTION AND MAINTENANCE GUIDELINES:**
- INSPECT ALL FENCING WEEKLY, AND AFTER ANY RAINFALL EVENT.
 - REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.
 - REPLACE ANY TORN FABRIC.
 - REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY.
- INSTALLATION:**
- LAYOUT THE SILT FENCE FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR.
 - CLEAR THE GROUND OF DEBRIS, ROCKS, PLANTS (INCLUDING GRASSES TALLER THAN 2") TO PROVIDE A SMOOTH FLOW APPROACH SURFACE. EXCAVATE 6" DEEP X 6" WIDE TRENCH ON UPSTREAM SIDE OF FACE PER PLANS.
 - DRIVE THE HEAVY DUTY T-POST AT LEAST 12 INCHES INTO THE GROUND AND AT A SLIGHT ANGLE TOWARDS THE FLOW.
 - ATTACH THE 2" X 4" 12 GAUGE WELDED WIRE MESH TO THE T-POST WITH 1 1/2 GAUGE GALVANIZED T-POST CLIPS. THE TOP OF THE WIRE TO BE 24" ABOVE GROUND LEVEL. THE WELDED WIRE MESH TO BE OVERLAPPED 6" AND TIED AT LEAST 6 TIMES WITH HOOP RINGS.
 - THE SILT FENCE TO BE INSTALLED WITH A SHIRT A MINIMUM OF 6" WIDE PLACED ON THE UPHILL SIDE OF THE FENCE INSIDE EXCAVATED TRENCH. THE FABRIC TO OVERLAP THE TOP OF THE WIRE BY 1'.
 - ANCHOR THE SILT FENCE BY BACKFILLING WITH EXCAVATED DIRT AND ROCKS (NOT LARGER THAN 2").
 - GEOTEXTILE SPLICES SHOULD BE A MINIMUM OF 18" WIDE ATTACHED IN AT LEAST 6 PLACES. SPLICES IN CONCENTRATED FLOW AREAS WILL NOT BE ACCEPTED.
 - SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS SILT FENCE DETAIL	ADOPTED 6/21/2006	EC02
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

DETAIL C
NTS

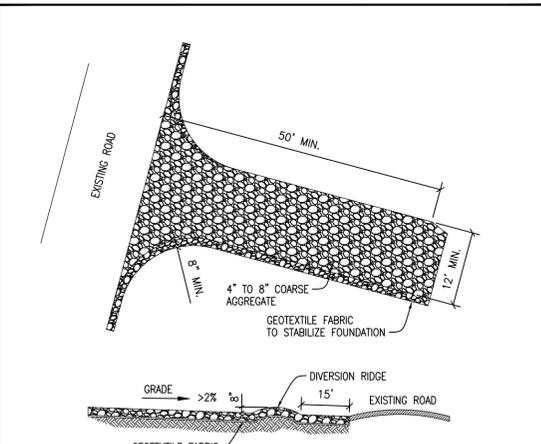


- INSTALLATION:**
- LAYOUT THE ROCK BERM FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR.
 - CLEAR THE GROUND OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION.
 - PLACE WOVEN WIRE FABRIC ON THE GROUND ALONG THE PROPOSED INSTALLATION WITH ENOUGH OVERLAP TO COMPLETELY ENCLOSE THE FINISHED SIZE OF THE BERM.
 - PLACE THE ROCK ALONG THE CENTER OF THE WIRE TO THE DESIGNATED HEIGHT.
 - WRAP THE STRUCTURE WITH THE PREVIOUSLY PLACED WIRE MESH SECURE ENOUGH SO THAT WHEN WALKED ACROSS THE STRUCTURE REMAINS ITS SHAPE.
 - SECURE WITH THE WIRE.
 - THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROX. 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROLS.
 - THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.
- INSPECTION AND MAINTENANCE GUIDELINES:**
- INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL EVENT BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STREAMBEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE.
 - REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED AREA.
 - REPLACE ANY LOOSE WIRE SHEATHING.
 - THE BERM SHOULD BE REPAIRED AS NEEDED DURING INSPECTION.
 - THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS ROCK BERM DETAIL	ADOPTED 6/21/2006	EC03
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

DETAIL D
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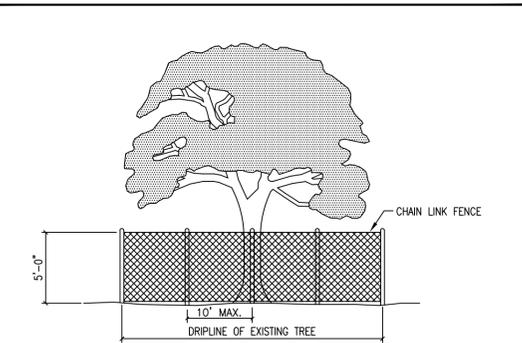


- INSTALLATION:**
- CLEAR THE AREA OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION.
 - GRADE THE AREA FOR THE ENTRANCE TO FLOW BACK ON TO THE CONSTRUCTION SITE. RUNOFF FROM THE STABILIZED CONSTRUCTION TO BE TRAPPED BY THE ENTRANCE.
 - PLACE GEOTEXTILE FABRIC AS APPROVED BY THE CITY.
 - PLACE ROCK AS APPROVED BY THE CITY.
- INSPECTIONS AND MAINTENANCE GUIDELINES:**
- THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON TO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.
 - WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 - ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USING APPROVED METHODS.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS STABILIZED CONSTRUCTION ENTRANCE	ADOPTED 6/21/2006	EC06
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

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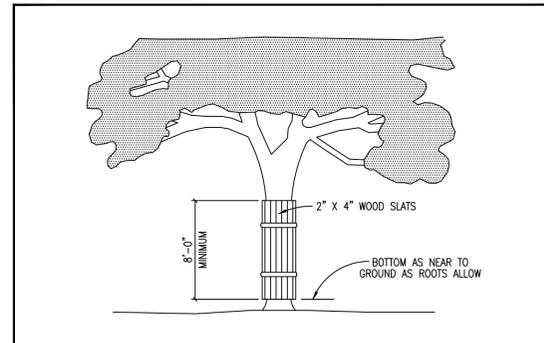


- NOTES:**
- TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING).
 - FENCES SHALL COMPLETELY SURROUND THE TREE, OR CLUSTERS OF TREES, WILL BE LOCATED AT THE OUTERMOST LIMIT OF THE TREE BRANCHES (DRIFLINE), AND WILL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 - SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MATERIALS.
 - ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN SIX INCHES (6") CUT OR FILL, OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY.
 - WOUNDS TO EXPOSED ROOTS, TRUNKS OR LIMBS BY MECHANICAL EQUIPMENT.
 - OTHER ACTIVITIES DETRIMENTAL TO TREES, SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING AND FIRE.
 - EXCEPTIONS TO INSTALLING FENCES AT TREE DRIFLINES MAY BE PERMITTED IN THE FOLLOWING CASES:
 - WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
 - WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN SIX FEET (6'-0") TO BUILDING.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS TREE PROTECTION - CHAIN LINK FENCE	ADOPTED 6/21/2006	EC09
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

DETAIL F
NTS

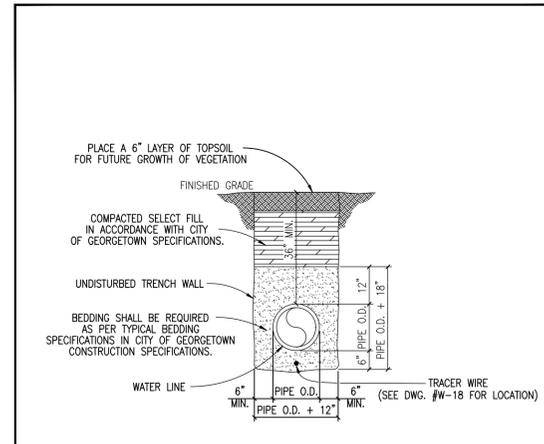


- NOTES:**
- WHERE ANY EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN FOUR FEET (4'-0") TO A TREE TRUNK; PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF EIGHT FEET (8'-0"), OR TO THE LIMITS OF LOWER BRANCHING IN ADDITION TO THE REDUCED FENCING PROVIDED.
 - ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN TWO (2) DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE, AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
 - PRIOR EXCAVATION OR GRADE CUTTING WITHIN TREE DRIFLINE. MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
 - TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHOULD BE SPRAYED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHOULD BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
 - ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
 - NO LANDSCAPE TOPSOIL DRESSING GREATER THE FOUR INCHES (4") SHALL BE PERMITTED WITHIN THE DRIFLINE OF A TREE. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
 - PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS TREE PROTECTION - WOOD SLATS	ADOPTED 6/21/2006	EC10
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

DETAIL G
NTS



- TRENCH WIDTHS**
- *PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
 - *20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.
- The Architect/Engineer assumes responsibility for appropriate use of this standard.

	CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS TRENCH AND EMBEDMENT DETAIL UNDER NON-PAVED AREAS	ADOPTED 6/21/2006	WO2
	DATE: 1/2003 DRAWN BY: TRB CHECKED BY: MRS		

DETAIL H
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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOOF
 DRAWN BY: Y. BILBI
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMALEGOS
 APPROVED BY: T. RAOOF
 DATE: FEBRUARY 2026

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 TBPELS Firm Number F-3043

CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

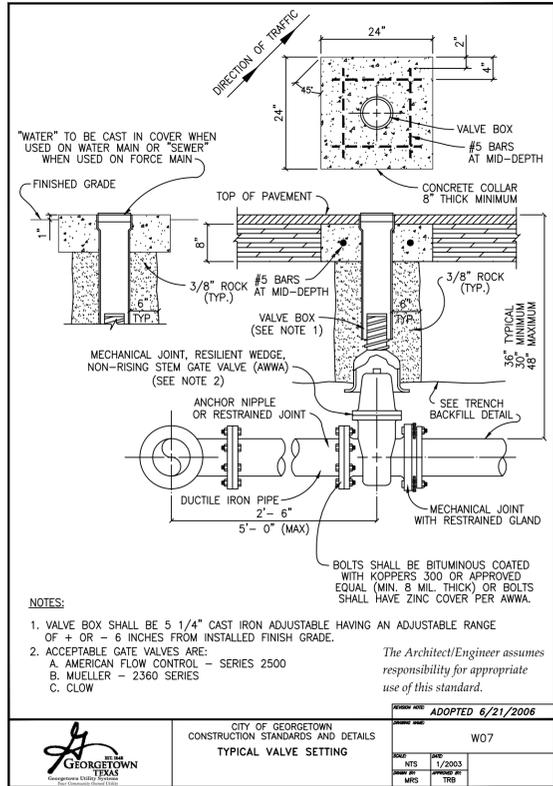
STANDARD CIVIL DETAILS I

PROJECT NO. 2048-307307
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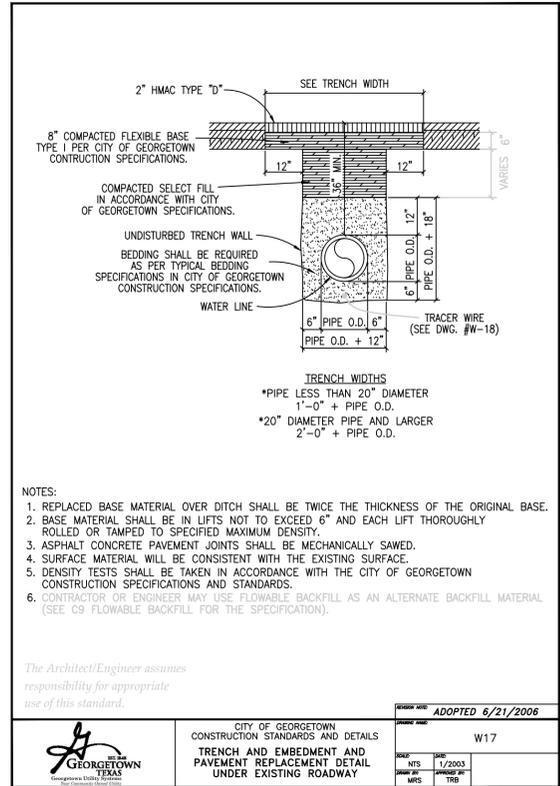
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DETAIL A
NTS



DETAIL B
NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS

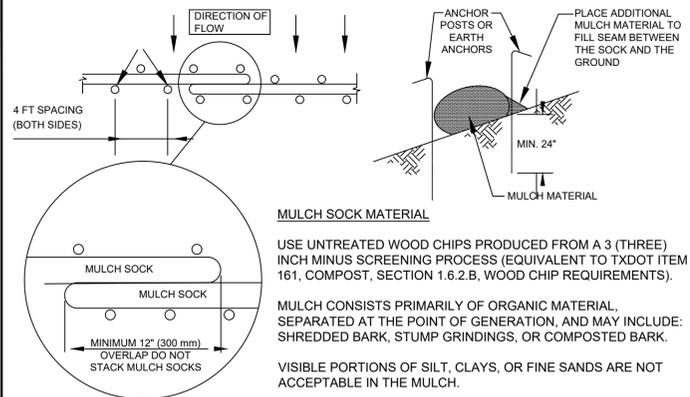
DESIGNED BY: T. RAOOF	<p>8310-1 N CAPITAL OF TEXAS HWY STE 250 Austin, TX 78731 Tel: (512) 346-1100 TBPCLS Firm Number F-3043</p>
DRAWN BY: Y. BIBI	
SHEET CHK'D BY: M. STIGGINS	
CROSS CHK'D BY: A. KARAMALEGOS	
APPROVED BY: T. RAOOF	
DATE: FEBRUARY 2026	

CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

STANDARD CIVIL DETAILS II
 CZ-2

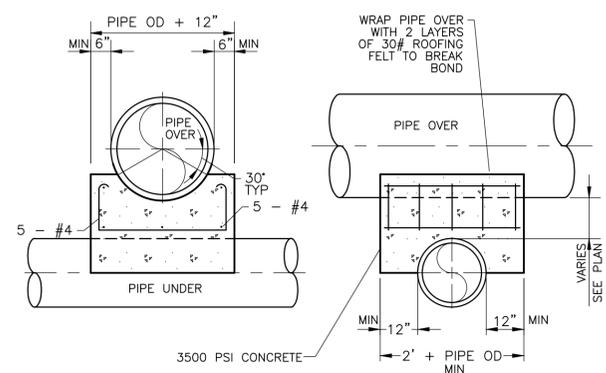


PROJECT NO.	2048-307307
FILE NAME:	CZ-2.dwg
SHEET NO.	CZ-2

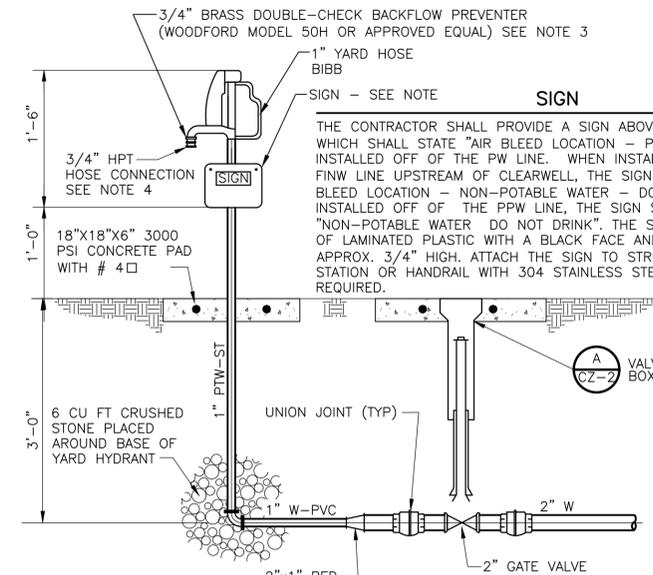


- NOTES:**
- STEEL OR WOOD POSTS WHICH SUPPORT THE MULCH SOCK SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 600mm (24 inches). IF WOOD POSTS CANNOT ACHIEVE 600mm (24 inches) DEPTH, USE STEEL POSTS. EARTH ANCHORS ARE ALSO ACCEPTABLE.
 - THE TOE OF THE MULCH SOCK SHALL BE PLACED SO THAT THE MULCH SOCK IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. IN ORDER TO PREVENT WATER FROM FLOWING BETWEEN THE JOINTS OF ADJACENT MULCH SOCKS, LAP THE ENDS OF ADJACENT MULCH SOCKS A MINIMUM OF 300mm (12 inches).
 - MULCH MATERIAL MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH; IT IS NOT ACCEPTABLE FOR THE MULCH MATERIAL TO CONTAIN GROUND CONSTRUCTION DEBRIS, BIOSOLIDS, OR MANURE.
 - SOCK MATERIAL WILL BE 100% BIODEGRADABLE, PHOTODEGRADABLE, OR RECYCLABLE SUCH AS BURLAP, TWINE, UV PHOTOBIODEGRADABLE PLASTIC, POLYESTER, OR ANY OTHER ACCEPTABLE MATERIAL.
 - MULCH SOCKS SHOULD BE USED AT THE BASE OF SLOPES NO STEEPER THAN 2:1.
 - ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

MULCH SOCK
DETAIL A
NTS

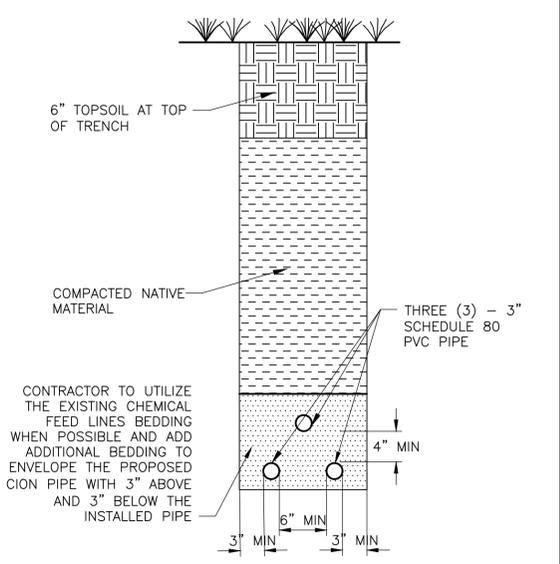


PIPE CROSSING CRADLE
DETAIL B
NTS

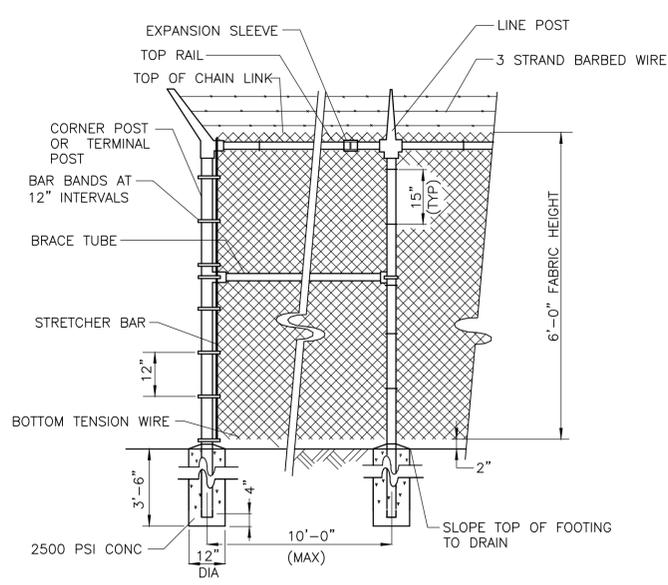


- NOTES:**
- YARD HOSE BIBB TO BE WOODFORD IOWA HYDRANT, MODEL Y1, OR EQUAL.
 - ALL YARD HOSE BIBBS SHALL HAVE A VACUUM BREAKER INSTALLED ON THEM.
 - WHEN A 1" YARD HYDRANT IS CALLED OUT ON THE PLANS, SUCH AS AT THE DECANT BASIN (TYP OF 4) AND FILTRATE LIFT STATION, PROVIDE 1" BACKFLOW PREVENTER AND 1" HPT HOSE CONNECTION. HOSE CONNECTION SHALL BE COMPATIBLE WITH THE HOSE SUPPLIED FOR THE LOCATION.

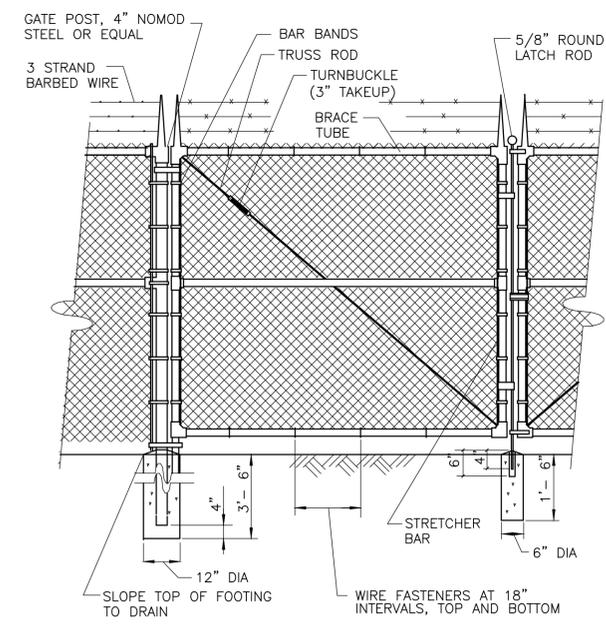
FREEZE PROTECTED YARD HOSE BIBB
DETAIL C
NTS



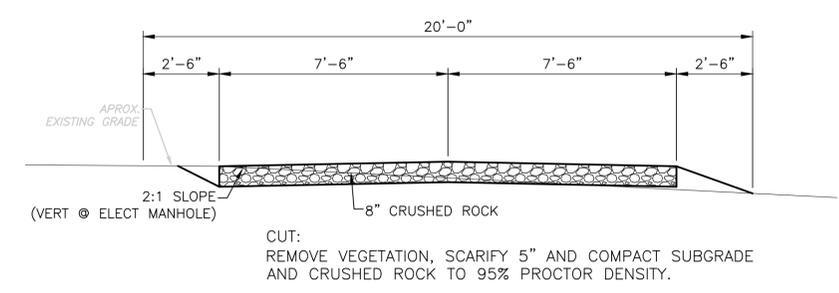
BEDDING DETAIL
D
N.T.S.



CHAIN LINK FENCE
DETAIL E
NTS



CHAIN LINK FENCE DOUBLE GATE
DETAIL F
NTS



GRAVEL ROADWAY
DETAIL E
1" - 3"



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REV. NO.	DATE	DRWN	CHKD	REMARKS

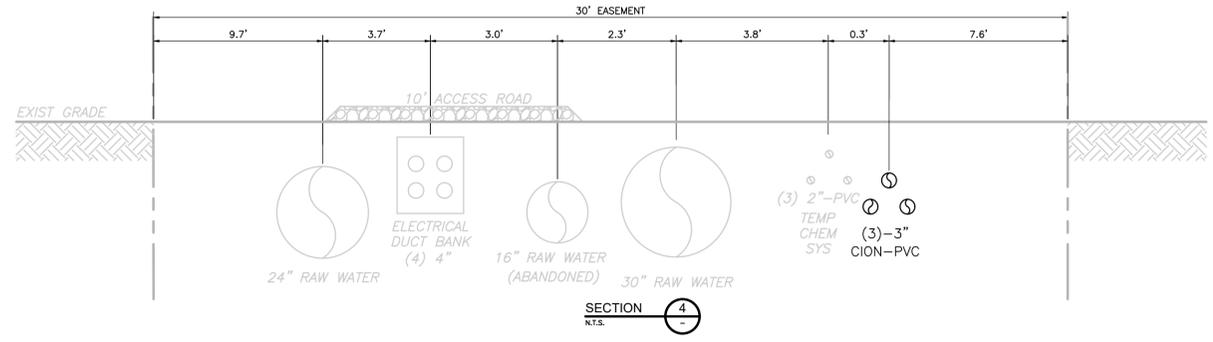
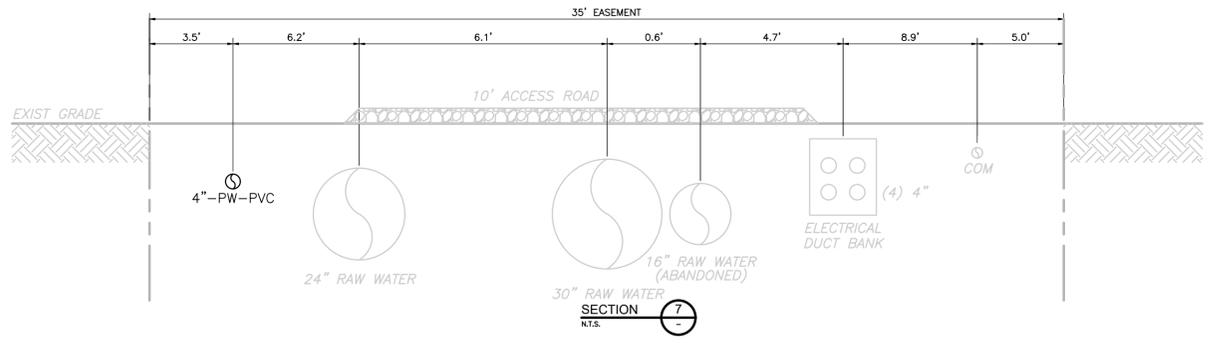
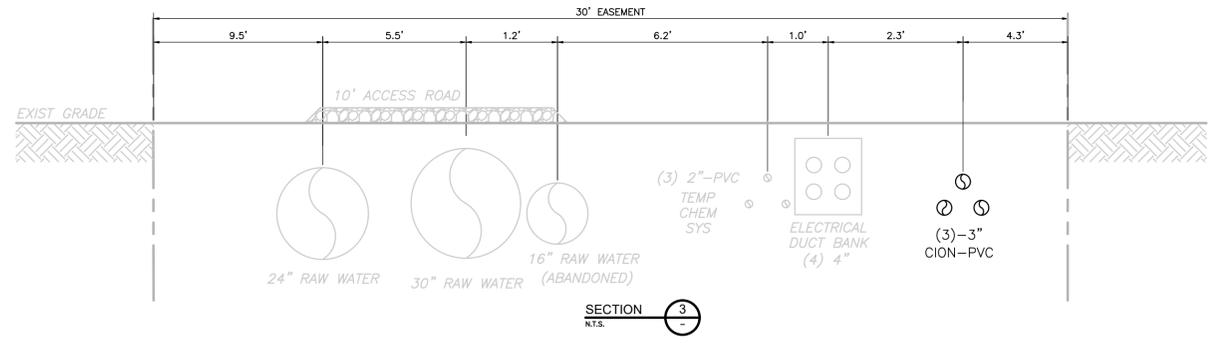
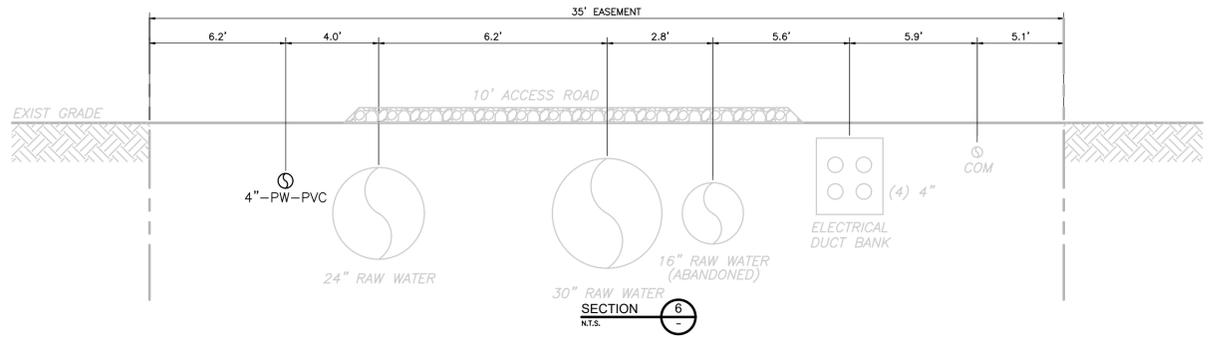
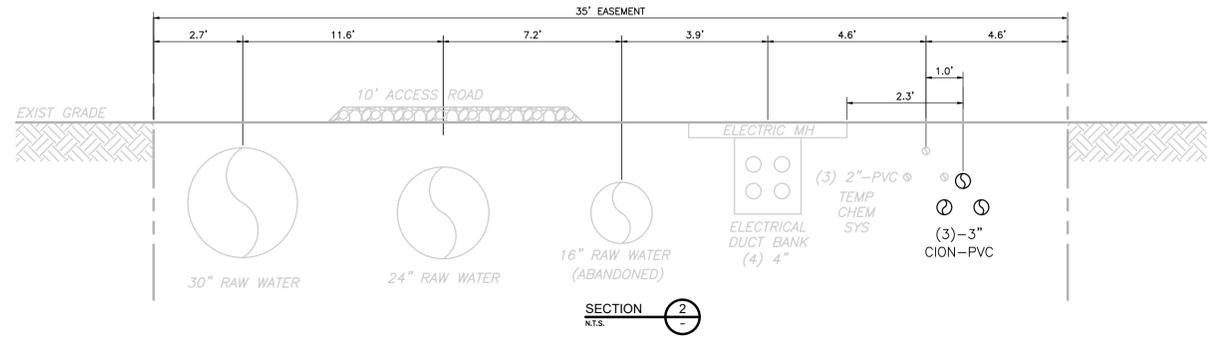
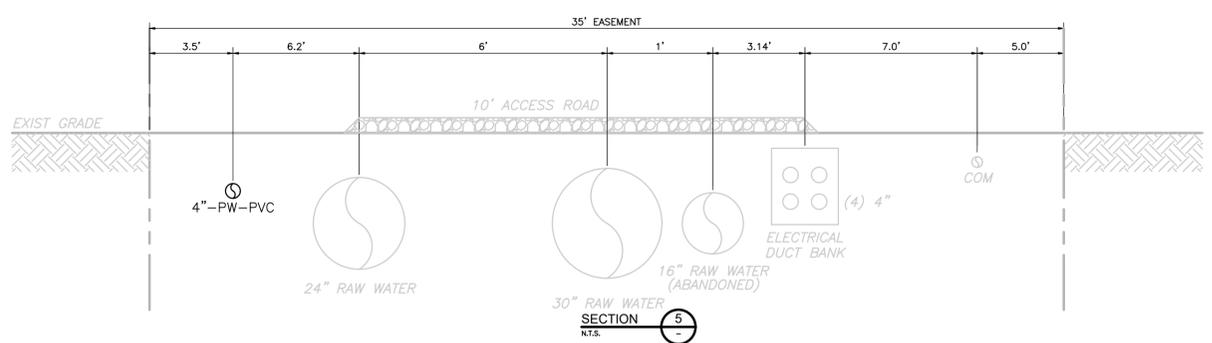
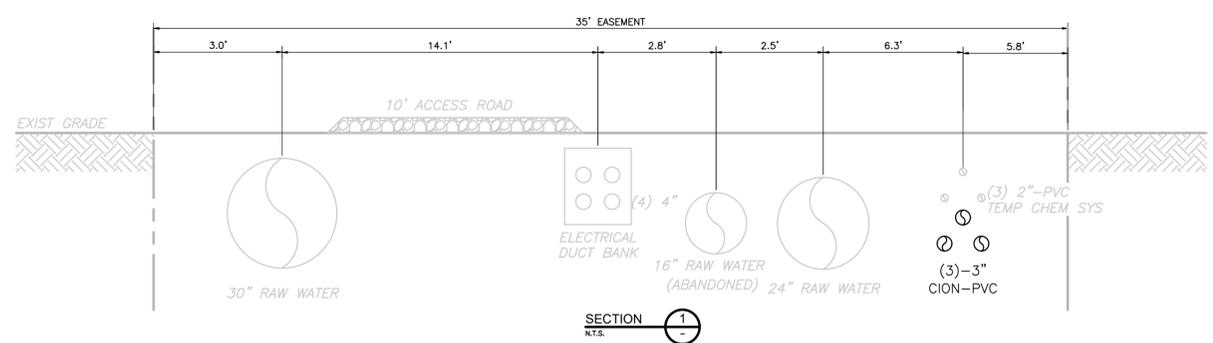
DESIGNED BY: T. RAOOF
 DRAWN BY: Y. BIBI
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMALEGOS
 APPROVED BY: T. RAOOF
 DATE: FEBRUARY 2026



CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

PROJECT NO. 2048-307307
 FILE NAME: CZ-3.dwg
 SHEET NO. CZ-3
 CIVIL DETAILS I
 100% SUBMITTAL - NOT FOR CONSTRUCTION

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- NOTES:
1. LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES.
 2. EXISTING UTILITIES THAT ARE TO BE ABANDONED IN PLACE SHALL BE CUT, FILLED WITH FLOWABLE FILL AND PLUGGED SUBSIDIARY TO THE COST OF PIPE.
 3. ANY DISCREPANCIES FROM WHAT IS SHOWN ON PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: T. RAOOF
 DRAWN BY: Y. BIBI
 SHEET CHK'D BY: M. STIGGINS
 CROSS CHK'D BY: A. KARAMALEGOS
 APPROVED BY: T. RAOOF
 DATE: FEBRUARY 2026



CITY OF GEORGETOWN
 LAKE WATER TREATMENT PLANT
 ZEBRA MUSSEL MITIGATION PROJECT

CIVIL SECTIONS
 CZ-4



PROJECT NO. 2048-307307
 FILE NAME: CZ-4.DWG
 SHEET NO. CZ-4

Agent Authorization Form
(TCEQ-0599)

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

I Larry Taylor
Print Name

Project manager
Title - Owner/President/Other

of City of Georgetown
Corporation/Partnership/Entity Name

have authorized Monica Stiggins
Print Name of Agent/Engineer

of CDM Smith, 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:

[Signature]
Applicant's Signature

1/7/26
Date

THE STATE OF Texas §

County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared LAREY TAYLOR 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 7th day of JANUARY, 2026.

[Signature]
NOTARY PUBLIC

SHEILA KAYE MITCHELL
Typed or Printed Name of Notary



MY COMMISSION EXPIRES: Nov. 10, 2029

Application Fee Form
(TCEQ-0574)

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Lake Water Treatment Plant

Regulated Entity Location: 3601 D.B. Wood Road, Georgetown, Texas 78626

Name of Customer: City of Georgetown

Contact Person: David Herzog

Phone: (512) 930-8162

Customer Reference Number (if issued): CN 600412043

Regulated Entity Reference Number (if issued): RN 103171427

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
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	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	1 Each	\$ 500
Extension of Time	Each	\$

Signature: _____

Date: _____

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

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

Extension of Time Requests

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

TCEQ Core Data Form
(TCEQ-10400)



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600412043		RN 103171427

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
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:	
City of Gerogetown			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
		74-6000974	89592372
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	300-1 Industrial Ave		
	City	Georgetown	State TX ZIP 78626 ZIP + 4 8445
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(512) 930-3555		(512) 930-3559	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)
City of Georgetown Lake Water Treatment Plant

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	3601 D .B Woods Road						
	City	Georgetown	State	TX	ZIP	78627	ZIP + 4
24. County	Willamson						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	Approximately 1000 FT South of Intersection of DB Woods and Williamson Drive (FM 2338)						
26. Nearest City	Georgetown			State	TX	Nearest ZIP Code 78627	
27. Latitude (N) In Decimal:	30.6807			28. Longitude (W) In Decimal:	-97.7210		
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)		
4941			221310				
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Water Treatment Plant							
34. Mailing Address:	300-1 Industrial Ave						
	City	Georgetown	State	TX	ZIP	78626	ZIP + 4 8445
35. E-Mail Address:							
36. Telephone Number		37. Extension or Code			38. Fax Number <i>(if applicable)</i>		
(512) 930-3555					(512) 930-3559		

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

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

SECTION IV: Preparer Information

40. Name:	Monica Stiggins	41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 652-5334		() -	stigginsml@cdmsmith.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:	CDM Smith, Inc	Job Title:	Project Manager
Name <i>(In Print)</i> :	Monica Stiggins	Phone:	(512) 652- 5334
Signature:		Date:	2/3/2026

DEPARTMENT OF THE ARMY

6692

LEASE

RIVER AND HARBOR OR FLOOD CONTROL PROPERTY

ON

NORTH FORK LAKE, TEXAS

No. DACW63-1-76-0428

THIS LEASE, made between the Secretary of the Army, of the first part, and THE CITY OF GEORGETOWN, Williamson County, Texas,

of the second part, WITNESSETH:

That the Secretary of the Army, by virtue of the authority contained in Title 10, United States Code, section 2667, and for the consideration hereinafter set forth, hereby leases to the party of the second part, hereinafter designated as the lessee, for a term of fifty (50) years beginning 18 AUGUST, 1975, and ending 17 AUGUST, 2025, but revocable at will by the Secretary of the Army, the following described property for construction, operation, maintenance ~~purposes~~ and repair of a water treatment plant purposes:

Approximately 13.228 acres of land on Tract 101, North Fork Lake, Texas, more particularly described on Exhibit "A" attached hereto and made a part hereof and located substantially as shown outlined in red on map, Exhibit "B" attached hereto and made a part hereof.

THIS LEASE is granted subject to the following conditions:

1. That the lessee shall pay to the United States rental in the amount of ONE THOUSAND THREE HUNDRED AND NO/100 DOLLARS - - - - - (\$ 1,300.00) per annum, payable in advance, and the lessee shall also pay to the United States on demand any sum which may have to be expended after the expiration, revocation, or termination of this lease in restoring the premises to the condition required by Condition No. 23 hereof. Compensation shall be made payable to the Treasurer of the United States and forwarded by the lessee direct to the District Engineer, Fort Worth District, Corps of Engineers, P.O. Box 17300, Fort Worth, Texas 76102.

File 318 PAGE 135

~~2. That in addition to the land-use regulations to which reference is made in Condition No. 20 of this lease, the use and occupation of the property leased hereby shall be subject to the general supervision and approval of the officer having immediate jurisdiction over said property, hereinafter referred to as "said officer", and to such rules and regulations regarding ingress, egress, safety, sanitation, and security as may be prescribed by him from time to time.~~

~~3. That, as of the commencement date of this lease, an inventory and condition report of all personal property and improvements of the Government included in this lease shall be made by a representative of the Government and a representative of the lessee to reflect the then present condition of said property. A copy of said inventory and condition report shall be attached hereto and become a part hereof, as fully as if originally incorporated herein. Upon the expiration, revocation, or termination of this lease a similar inventory and condition report shall be prepared and submitted to the said officer, said inventory and condition report to constitute the basis for settlement by the lessee with said officer for leased property shown to be lost, damaged, or destroyed, any such property to be either replaced or restored to the condition required by Condition No. 23 hereof, or at the election of the Government reimbursement made therefor by the lessee at the then current market value thereof.~~

4. That the lessee has inspected and knows the condition of the leased property and it is understood that the same is hereby leased without any representation or warranty by the Government whatsoever, and without obligation on the part of the Government to make any alterations, repairs, or additions thereto.

5. That, subject to the limitations of Condition No. 23 hereof with respect to the restoration of the leased property, all portions of the leased property shall at all times be protected and maintained in good order and condition by and at the expense of the lessee.

6. That the lessee shall neither transfer nor assign this lease or any property on the demised premises, nor sublet the demised premises or any part thereof or any property thereon, nor grant any interest, privilege, or license whatsoever in connection with this lease without permission in writing from the said officer.

7. That the right is hereby reserved to the United States, its officers, agents, and employees, to enter upon the said premises at any time and for any purpose necessary or convenient in connection with river and harbor and flood-control work, to remove timber therefrom, and to flood the leased premises whenever necessary, and the lessee shall have no claim for damages of any character on account thereof against the United States or any officer, agent, or employee thereof.

8. That the United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the use and occupation of the said premises, or for damages to the property of the lessee, or for injuries to the person of the lessee (if an individual), or for damages to the property or injuries to the person of the lessee's officers, agents, servants, or employees, or others who may be on said premises at their invitation or the invitation of any one of them, arising from or incident to the flooding of the said premises by the Government or flooding from any other cause, or arising from or incident to any other Governmental activities; and the lessee shall hold the United States harmless from any and all such claims.

9. That the lessee shall at all times exercise due diligence in the protection of the demised premises against damage or destruction by fire and other causes.

10. That any property of the United States damaged or destroyed by the lessee incident to the lessee's use and occupation of the said property shall be promptly repaired or replaced by the lessee to the satisfaction of the said officer, or in lieu of such repair or replacement the lessee shall, if so required by the said officer, pay to the United States money in an amount sufficient to compensate for the loss sustained by the United States by reason of damages to or destruction of Government property.

11. That the lessee shall cut no timber, conduct no mining or drilling operations, remove no sand, gravel, or kindred substances from the ground, except in the exercise of mineral rights here-

tofore reserved to the record owner thereof, commit no waste of any kind, or in any manner substantially change the contour or condition of the property hereby leased, except changes required in carrying out soil and water conservation measures; ~~but the lessee may salvage fallen or dead timber as may be required for use as firewood.~~ and except as may be required for construction, operation, maintenance, and repair of the proposed water treatment plant.

12. That the lessee shall comply with all applicable laws, ordinances, and regulations of the State, county, and municipality wherein the said demised premises are located, with regard to construction, sanitation, licenses or permits to do business, and all other matters.

~~13. That the lessee shall not construct any permanent structure on the said demised premises; and shall not construct any temporary structure or advertising sign thereon without the prior written consent of the said officer.~~

14. That the lessee shall pay to the proper authority, when and as the same becomes due and payable, all taxes, assessments, and similar charges, which, at any time during the term of this lease, may be taxed, assessed, or imposed upon the Government or upon the lessee with respect to or upon the leased premises. In the event any taxes, assessments, or similar charges are imposed with the consent of the Congress upon property owned by the Government and included in this lease (as opposed to the leasehold interest of the lessee therein), this lease shall be renegotiated so as to accomplish an equitable reduction in the rental provided above, which shall not be greater than the difference between the amount of such taxes, assessments, or similar charges and the amount of any taxes, assessments, or similar charges which were imposed upon such lessee with respect to his leasehold interest in the premises prior to the granting of such consent by the Congress; provided that, in the event that the parties hereto are unable to agree, within ninety (90) days from the date of imposition of such taxes, assessments, or similar charges, on a rental which, in the opinion of the said officer constitutes a reasonable return to the Government on the leased property, then, in such event, the said officer shall have the right to determine the amount of the rental, which determination shall be binding on the lessee subject to appeal in accordance with Condition No. 15 of this lease.

15. (a) That, except as otherwise provided in this lease, any dispute concerning a question of fact arising under this lease which is not disposed of by agreement shall be decided by the said officer, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the lessee. The decision of the said officer shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the lessee mails or otherwise furnishes to the said officer a written appeal addressed to the Secretary of the Army. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence. In connection with any appeal proceeding under this condition, the lessee shall be afforded an opportunity to be heard and to offer evidence in support of its appeal. Pending final decision of a dispute hereunder, the lessee shall proceed diligently with the performance of the contract and in accordance with the said officer's decision.

(b) This Condition does not preclude consideration of law questions in connection with decisions provided for in paragraph (a) above: Provided, that nothing in this Condition shall be construed as making final the decision of any administrative official, representative, or board on a question of law.

16. That this lease may be terminated by the lessee at any time by giving to the Secretary of the Army, through the said officer, at least ten (10) days' notice in writing provided that, in case of such termination, no refund by the United States of any rental theretofore paid shall be made, and provided further, that in the event the said notice is not given at least ten (10) days prior to the rental due date, the lessee shall be required to pay the rental for the period or term shown in Condition No. 1 hereof.

17. That the lessee shall pay the cost, as determined by the said officer, of producing and/or supplying any utilities and other services furnished by the Government or through Government-owned facilities for the use of the lessee, including the lessee's proportionate share of the cost of

operation and maintenance of the Government-owned facilities by which such utilities or services are produced or supplied. The Government shall be under no obligation to furnish utilities or services. Payment shall be made in the manner prescribed by the said officer upon bills rendered monthly.

~~18. That for such period as the lessee is in possession of the leased property pursuant to the provisions and conditions of this lease the lessee shall procure and maintain at the lessee's cost a standard fire and extended coverage insurance policy or policies on the leased property to the full insurable value thereof. The lessee shall procure such insurance from any responsible company or companies. The policy or policies evidencing such insurance shall provide that in the event of loss thereunder the proceeds of the policy or policies, at the election of the Government, shall be payable to the lessee to be used solely for the repair, restoration, or replacement of the property damaged or destroyed, any balance of the proceeds not required for the repair, restoration, or replacement of the property damaged or destroyed to be paid to the Government, and that in the event the Government does not elect by notice in writing to the insurer within sixty (60) days after the damage or destruction occurs to have the proceeds paid to the lessee for the purposes hereinabove set forth, then such proceeds shall be paid to the Government, provided however, that the insurer, after payment of any proceeds to the lessee in accordance with the provisions of the policy or policies, shall have no obligation or liability with respect to the use or disposition of the proceeds by the lessee. Nothing herein contained shall be construed as an obligation upon the Government to repair, restore, or replace the leased property or any part thereof.~~

19. That no Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this lease or to any benefits to arise therefrom. Nothing, however, herein contained shall be construed to extend to any incorporated company, if the lease be for the general benefit of such corporation or company.

20. That the lessee shall maintain, in a manner satisfactory to the said officer, terraces and other soil and water conservation structures that may be in existence upon said premises at the beginning of or that may be constructed during the term of this lease, and the use of the said leased premises by the lessee shall be in accordance with good soil conservation practices ~~and with the land-use regulations attached hereto and made a part of this lease.~~

21. That the lessee shall not sell or deal in beer, wine, or any intoxicating liquors on the said leased premises, or permit on the said premises any gambling or games of chance, or install and operate or permit to be installed or operated any device or conduct any activities thereon which in the opinion of the said officer are contrary to good morals or are otherwise objectionable.

22. That the lessee will cooperate in programs for the management and improvement of fish and wildlife, ~~and in furtherance thereof the leased premises will be subject to free public use for fishing and hunting. Hunting and fishing are permitted in accordance with all applicable Federal, State and local laws for the protection of fish and game, except in prohibited areas designated by the said officer.~~

~~23. That, on or before the date of expiration of this lease or its termination by the lessee, the lessee shall at the lessee's cost vacate the leased property, remove the property of the lessee therefrom, and restore the leased property to as good order and condition as that existing upon the date of commencement of the term of this lease, less ordinary wear and tear and damage to the leased property covered by insurance and for which the Government shall receive or has received insurance funds in lieu of having the damaged property repaired, replaced, or restored. If, however, this lease is revoked, the lessee shall vacate the leased property, remove the property of the lessee therefrom, and restore the leased property to the condition aforesaid within such time as the Secretary of the Army may designate except as otherwise provided in Condition No. 28 hereof. In either event, and except as otherwise provided in Condition No. 28 hereof, if the lessee shall fail or neglect to remove the property of the lessee and so restore the leased property, then, at the option of the Secretary of the Army, the property of the lessee shall either become the property of the United States without compensation therefor, or the Secretary of the Army may cause it to be removed and the leased property to be so restored at the expense of the lessee, and no claim for damages against the United States or its officers or agents shall be created by or made on account of such removal and restoration work.~~

23. (ALTERNATE). That, on or before the date of expiration of this lease, or its termination by the lessee, the lessee shall at the lessee's cost vacate the leased property, remove the property of the lessee therefrom, and restore the premises to as good order and condition as that existing upon the date of commencement of the term of this lease, damages beyond the control of the lessee and due to fair wear and tear excepted. If, however, this lease is revoked, the lessee shall vacate the leased property, remove the property of the lessee therefrom, and restore the leased property to the condition aforesaid within such time as the Secretary of the Army may designate except as otherwise provided in Condition No. 28 hereof. In either event, and except as otherwise provided in Condition No. 28 hereof, if the lessee shall fail or neglect to remove the property of the lessee and so restore the leased property, then, at the option of the Secretary of the Army, the property of the lessee shall either become the property of the United States without compensation therefor, or the Secretary of the Army may cause it to be removed and the leased property so to be restored at the expense of the lessee, and no claim for damages against the United States or its officers or agents shall be created by or made on account of such removal and restoration work.

24. That if more than one lessee is named in this lease the obligations of said lessees herein contained shall be joint and several obligations.

25. That, except as otherwise specifically provided, any reference herein to "~~Division Engineer,~~" "District Engineer," or "said officer" shall include his duly appointed successors and his authorized representatives.

26. That all notices to be given pursuant to this lease shall be addressed, if to the lessee, to the City of Georgetown, P.O. Box 409, Georgetown, Texas 78626;

if to the Government, to the District Engineer, Fort Worth District, Corps of Engineers, P.O. Box 17300, Fort Worth, Texas 76102;

or as may from time to time otherwise be directed by the parties. Notice shall be deemed to have been duly given if and when inclosed in a properly sealed envelope, or wrapper, addressed as aforesaid, and deposited postage prepaid (or, if mailed by the Government, deposited under its franking privilege) in a post office or branch post office regularly maintained by the United States Government.

27. The lessee warrants that no person or selling agency has been employed or retained to solicit or secure this lease upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the lessee for the purpose of securing business. For breach or violation of this warranty the Government shall have the right to annul this lease without liability or in its discretion to require the lessee to pay, in addition to the lease rental or consideration, the full amount of such commission, percentage, brokerage, or contingent fee.

28. That in the event the United States revokes this lease or in any other manner materially reduces the area covered thereby or materially affects its use by the lessee prior to the date of expiration thereof, an equitable adjustment in the rental paid or thereafter to be paid under this lease shall be made. ~~If the leased premises are used for agricultural purposes, the lessee shall have the right to harvest, gather, and remove from said land such crops as may have been planted or grown on said land, or, in the alternative, the said officer may require the lessee to vacate immediately and, if funds are available, compensation will be made to the lessee for the value of the crops remaining upon said land. Such adjustment of rental or right to harvest, gather, and remove said crops shall be evidenced by a supplemental agreement, in writing, executed by the said officer and the lessee: PROVIDED, HOWEVER, That none of the provisions of this paragraph shall apply in the event of revocation because of a breach by the lessee of any of the terms and conditions of this lease and the crops remaining upon said land shall become the property of the United States upon the effective date of such revocation.~~

29. The plans and specifications of the water treatment facilities are to be reviewed and are subject to approval by the District Engineer prior to commencing construction on the proposed outgranted and leased areas.

Before the execution of this lease, conditions were deleted, revised and added in the following manner:

Conditions 2, 11, 20, 22, 25, and 28 were revised.

Conditions 3, 13, 18, and 23 were deleted.

Condition 29 was added.

IN WITNESS WHEREOF I have hereunto set my hand by ^{direction} ~~authority~~ of the ^{Assistant} ~~Secretary~~ of the Army this 18th day of AUGUST, 1975.

Gordon M. Hobbs
Gordon M. Hobbs
Assistant for Real Property
OASA (I&L)

THIS LEASE is also executed by the lessee this 8th day of September, 1975

ATTEST:

~~Signed and sealed in the presence of:~~

[Signature]

THE CITY OF GEORGETOWN

[Signature] [SEAL]

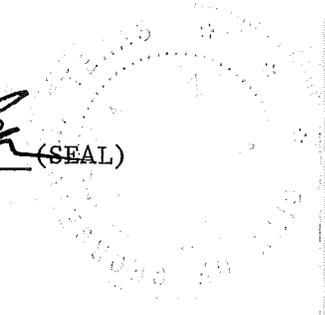
Mayor
TITLE ~~(Post Office Address)~~

C E R T I F I C A T E

I, W.L. Walden, certify that I am the City
secretary of the municipal corporation named as grantee herein; that

Joe E. Crawford, who signed this lease on behalf of the
grantee was then Mayer of the municipal corporation;
that said lease was duly signed for and in behalf of said municipal
corporation by authority of its governing body and is within the
scope of its legal corporate powers.

W.L. Walden (SEAL)



COMMONWEALTH OF VIRGINIA

COUNTY OF ARLINGTON

BEFORE ME, a Notary Public in and for the Commonwealth of Virginia,
County of Arlington, personally appeared GORDON M. HOBBS, to me
known to be the identical person and officer whose name is sub-
scribed to the foregoing instrument and acknowledged to me that he
executed the said instrument for the purpose and consideration
therein expressed and in the capacity therein stated and as the
act and deed of the United States of America.

GIVEN UNDER MY HAND AND SEAL this 18th day of AUG. 1975.

Curtis Moore Jr
Notary Public in and for
County of Arlington
Commonwealth of Virginia

My Commission Expires:

June 29, 1979



CERTAIN 13.228 ACRES OF LAND ON TRACT 101, NORTH FORK LAKE, TEXAS

BEGINNING at a point at the intersection of the north property line and the west ROW line of the US Corps of Engineers Project Office Access Road, the same being a concrete monument with a bronze plate in the top designated as property line and marked with a cross for alignment; found. This point is further described as the northeast corner of this parcel;

THENCE north $37^{\circ} 35' 21''$ West along the north property line 1000 feet to a pin set for the northwest corner of this parcel;

THENCE South $52^{\circ} 24' 39''$ West 500 feet to a pin set for the southwest corner of this parcel;

THENCE south $37^{\circ} 35' 21''$ East, 1341.52 feet to a point in the West ROW line of the aforementioned Access Road for the southeast corner of this parcel;

THENCE north $17^{\circ} 12' 49''$ East, with the curving west ROW line a chord distance of 539.42 feet or an arc distance of 541.04 feet to a point of tangency of the said ROW line;

THENCE continuing along the west ROW line north $25^{\circ} 03' 46''$ East, 66.74 feet to the place of beginning and containing 13.228 acres, more or less.

EXHIBIT "A"

SUPPLEMENTAL AGREEMENT NO. 1
TO
DEPARTMENT OF THE ARMY
LEASE NO. DACW63-1-76-0428
CITY OF GEORGETOWN
GEORGETOWN LAKE, TEXAS

This Supplemental Agreement No. 1 made and entered into between the Secretary of the Army, party of the first part, hereinafter referred to as the Government, and City of Georgetown, party of the second part, hereinafter referred to as the Lessee;

W I T N E S S E T H:

WHEREAS, on 18 August 1975, Lease No. DACW63-1-76-0428 was entered into by and between the Government and the Lessee, whereby the Lessee was granted use and occupancy of approximately 13.22 acres of land for construction, operation, maintenance, and repair of a water treatment plant at Georgetown Lake, Texas, for a term of fifty (50) years beginning 18 August 1975, and ending 17 August 2025; and

WHEREAS, the Lessee wishes to amend said lease to add a 3 million gallon clearwell and associated pump station, electrical appurtenances and 30 inch ductile iron pipeline to the existing water treatment plant lease area; and

WHEREAS, it is acceptable to the Secretary of the Army to allow the City of Georgetown to add a 3 million gallon clearwell and associated pump station, electrical appurtenances and 30 inch ductile iron pipeline to the existing water treatment plant provided the City of Georgetown abide by the Natural Resources Mitigation Plan, attached hereto as Exhibit C; and

NOW, THEREFORE, by mutual agreement of the parties hereto, the original lease is amended in the following respect only:

Exhibit C, Natural Resources Mitigation Plan, is added to the lease as Exhibit C.

All other provisions of the lease remain unchanged and in full force and effect.

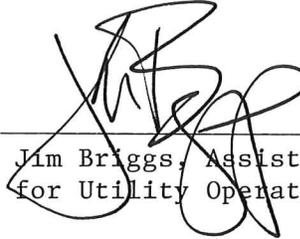
IN WITNESS WHEREOF, I have hereunto set my hand by direction
of the Secretary of the Army this 08 day of April 2002.



HYLA J. MEAD
Chief, Real Estate Division

This SUPPLEMENTAL AGREEMENT NO. 1 is also executed this 1st
day of April 2002.

CITY OF GEORGETOWN

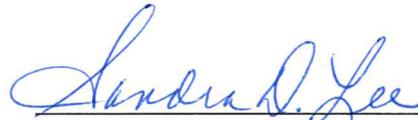


BY: _____
Jim Briggs, Assistant City Manager
for Utility Operations

CERTIFICATE

I, Sandra D. Lee, certify that I am the
City Secretary of the City of Georgetown named as
grantee herein; that Jim Briggs, who signed this
Supplemental Agreement No. 1 on behalf of the Lessee, was then
Assistant City Manager of the City of Georgetown, and that said
of Utility Operations
Supplemental Agreement No. 1 was duly signed for and on behalf of
the City of Georgetown by authority of its governing
body and is within the scope of its legal powers.

Date April 1, 2002



Sandra D. Lee

City Secretary

Title

Please have someone other than the person who signs the
supplemental agreement sign this certificate.

NATURAL RESOURCES MITIGATION PLAN

Georgetown Water Treatment Plant Expansion

Lake Georgetown

December 2001

I. Introduction: The city of Georgetown is proposing to expand their existing water treatment plant located on Federal property at Lake Georgetown. The existing treatment plant is located on a 13.228-acre tract, which the Corps of Engineers has leased to the city since 1976. The proposed expansion calls for the construction of a three million gallon clearwell and associated pump station and pipelines, all within the confines of the existing lease. During construction, significant tree cover consisting of live oak and Texas red oak would be removed from approximately one-fifth of an acre. Other, less significant woody vegetation consisting mostly of Ashe Juniper and native grasses would also be removed or disturbed on approximately one acre.

II. Required Compensatory Mitigation: To mitigate for the loss of trees and other vegetation the city of Georgetown will be required to perform the following:

- a. For the loss of 1/5 acre of significant tree cover, the city will be required to plant trees on 1 acre at the rate of 60 trees per acre. This planting rate would result in a compensatory mitigation ratio of 5:1 (5 acres restored and/or improved for every acre lost).
- b. Trees to be planted shall be container-grown nursery stock with a minimum stem diameter of 2 inches at a point 6 inches above ground.
- c. Species and planting location shall be specified by the Little River Project Conservation Specialist (Robert Adams, 254-939-1829).
- d. Trees shall be planted concurrent with construction activities during the earliest possible planting season (November through February).
- e. Survival rate of planted trees must be 80% at the end of each growing season for the 3 growing seasons following planting. This survival rate is required regardless of the reason for tree mortality. Additional plantings will be required at the end of each growing season during the 3-year period in order to bring the survival rate to 80%.
- f. Irrigation and mulching of all planted trees is required for the 3-year period. When planted, a water retention dike approximately 3 feet in diameter shall be constructed around each tree. A permanently installed drip irrigation system, or weekly saturation during the growing season (March through October), is required. If weekly saturation from a tanker truck is the preferred method, the root zone of each tree will be thoroughly saturated twice on the same day to achieve the prescribed weekly watering. Irrigation water shall be obtained from Lake Georgetown. Irrigation pumps shall be electric powered with electricity supplied by the Corps of Engineers. If rainfall is sufficient, the Little River Conservation Specialist may temporarily suspend the requirement for irrigation.

g. All areas disturbed during construction shall be graded and seeded with buffalograss.

III. Monitoring Reports: The city of Georgetown shall provide a monitoring/survival report at the end of each growing season for the 3-year period. The report shall be furnished to the Little River Conservation Specialist no later than October 15 of each year.

SUPPLEMENTAL AGREEMENT NO. 2
TO
DEPARTMENT OF THE ARMY
LEASE NO. DACW63-1-76-0428
GEORGETOWN LAKE, TEXAS

This Supplemental Agreement No. 2 made and entered into between the Secretary of the Army, party of the first part, hereinafter referred to as the Government, and City of Georgetown, party of the second part, hereinafter referred to as Lessee:

W I T N E S S E T H:

WHEREAS, on 18 August 1975, Lease No. DACW63-1-76-0428 was entered into by and between the Government and the Lessee, whereby the Lessee was granted use and occupancy of approximately 13.22 acres of land for construction, operation, maintenance, and repair of a water treatment plant at Georgetown Lake, Texas for a term of fifty (50) years beginning 18 August 1975, and ending 17 August 2025, as more specifically described in said lease; and

WHEREAS, on 08 April 2002, Supplemental Agreement No. 1 was entered into whereby the Lessee added a three million gallon clearwell and associated pump station, electrical appurtenances and 30 inch ductile iron pipe to the existing water treatment plant provided the Lessee abide by the Natural Resources Mitigation Plan; and

WHEREAS, the Lessee wishes to amend said lease to allow the City of Georgetown to convey partial ownership interest of the water treatment plant, as conveyed under Lease No. DACW63-1-76-0428, not to exceed (NTE) 28%, to the Chisholm Trail Special Utility District; and

WHEREAS, it is acceptable to the Government for the City of Georgetown to convey partial ownership interest of the water treatment plant, NTE 28%, to the Chisholm Trail Special Utility District; and

NOW, THEREFORE, by mutual agreement of the parties hereto, Lease No. DACW63-1-76-0428 is hereby amended to allow the Lessee to convey partial ownership interest of the water treatment plant, NTE 28%, to the Chisholm Trail Special Utility District.

EXCEPT for the revision above, the terms and conditions of the lease shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand by the authority of the Secretary of the Army this 13th day of January, 2003.4



HYLA J. HEAD
Chief, Real Estate Division

This SUPPLEMENTAL AGREEMENT NO. 2, together with all the conditions thereof, is hereby accepted this 6th day of January, 2003.4

CITY OF GEORGETOWN



Jim Briggs, Assistant City Manager
For Utility Operations

CERTIFICATE OF AUTHORITY

I Laura Wilkins certify that I am the Administrative Manager of Georgetown Utility Systems, City of Georgetown, and that Jim Briggs who signed the forgoing instrument on behalf of the grantee was then Assistant City Manager for Utility Operations, City of Georgetown.

I further certify that the said officer was acting within the scope of powers delegated to this officer by the governing body of the grantee in executing said instrument.

DATE: January 6, 2004



Administrative Manager

TITLE

NOTE: Please have someone, other than the person who signed the Agreement, complete and sign this form.

SUPPLEMENTAL AGREEMENT NO. 3
TO
DEPARTMENT OF THE ARMY
LEASE NO. DACW63-1-76-0428
CITY OF GEORGETOWN
GEORGETOWN LAKE, TEXAS

This Supplemental Agreement No. 3 made and entered into between the Secretary of the Army, party of the first part, hereinafter referred to as the Government, and City of Georgetown, party of the second part, hereinafter referred to as the Lessee;

W I T N E S S E T H:

WHEREAS, on 18 August 1975, Lease No. DACW63-1-76-0428 was entered into by and between the Government and the Lessee, whereby the Lessee was granted use and occupancy of approximately 13.22 acres of land for construction, operation, maintenance, and repair of a water treatment plant at Georgetown Lake, Texas for a term of fifty (50) years beginning 18 August 1975, and ending 17 August 2025; and

WHEREAS, on 08 April 2002, Supplemental Agreement No. 1 was entered into whereby the City of Georgetown added a 3 million gallon clearwell and associated pump station, electrical appurtenances and 30 inch ductile iron pipe to the existing water treatment plant provided the City of Georgetown abide by the Natural Resources Mitigation Plan; and

WHEREAS, on 13 January 2004, Supplemental Agreement No. 2 was entered into whereby the City of Georgetown conveyed partial ownership interest (NTE 28%) to the Chisholm Trail Special Utility District; and

WHEREAS, the Lessee wishes to amend said lease to (a) add an on-site wastewater line and sludge handling improvements, and (b) add a 0.246 acre area for a wastewater line; and

WHEREAS, it is acceptable to the Secretary of the Army for the City of Georgetown to (a) add an on-site wastewater line and sludge handling improvements, and (b) add a 0.246 acre area for a wastewater line; and

NOW, THEREFORE, by mutual agreement of the parties hereto, the original lease is amended in the following respect only:

(a) Add an on-site wastewater line and sludge handling improvements provided that the City of Georgetown abide by the

Natural Resources Mitigation Plan, attached as Exhibit D.

(b) Add a 0.246 acre area for a wastewater line to the lease as shown in Exhibits E-1 to E-3. Any reference in the original lease referring to 13.228 acres will be replaced with 13.474 acres. The City of Georgetown shall abide by the Natural Resources Mitigation Plan, attached as Exhibit F.

All other provisions of the lease remain unchanged and in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand by direction of the Secretary of the Army this 24th day of July 2006.


HYLA J. HEAD
Chief, Real Estate Division

This SUPPLEMENTAL AGREEMENT NO. 3 is also executed this 15 day of MAY 2006 .

CITY OF GEORGETOWN

BY: 
Jim Briggs, Assistant City Manager
For Utility Operations

CERTIFICATE

I, Laura Wilkins, certify that I am the Administrative Supervisor of the City of Georgetown named as grantee herein; that Jim Briggs, who signed this Supplemental Agreement No. 3 on behalf of the Lessee, was then Assistant City Manager of Utility Operations of the City of Georgetown and that said Supplemental Agreement No. 2 was duly signed for and on behalf of the City of Georgetown by authority of its governing body and is within the scope of its legal powers.

Date 5-16-06

Laura Wilkins
Administrative Supervisor
Title

Please have someone other than the person who signs the supplemental agreement sign this certificate.

NATURAL RESOURCES MITIGATION PLAN

City of Georgetown On-Site Wastewater Line and Sludge Handling Improvements

Lake Georgetown

June 2005

AI. Introduction. The City of Georgetown is proposing to construct on-site wastewater line and sludge handling improvements on Federal property at Lake Georgetown. The structures will be placed within the existing 13.28-acre tract currently leased by the City for a water treatment plant. The proposed construction will remove approximately 0.089 acre of Ashe Juniper/Live Oak woodland.

B. Required Compensatory Mitigation. To mitigate for the loss of trees and other vegetation the City of Georgetown will be required to perform the following:

1. For the loss of 0.089 acre of tree cover the District will be required to plant trees on 0.445 acre at the rate of 60 trees per acre (27 trees). This planting rate would result in a compensatory mitigation ratio of 5:1 (five acres restored and/or improved for every acre lost).

2. Trees to be planted shall be container-grown nursery stock with a minimum stem diameter of 2 inches at a point 6 inches above ground.

3. The Georgetown Lake Manager shall specify species and planting location.

4. Trees shall be planted concurrent with construction activities during the earliest possible planting season (November through February)

5. Survival rate of planted trees must be 80% at the end of each growing season for the three growing seasons following planting. This survival rate is required regardless of the reason for tree mortality. Additional plantings will be required at the end of each growing season during the three-year period in order to bring the survival rate to 80%.

6. Irrigation and mulching of all planted trees is required for the three-year period. When planted, a water retention dike approximately three feet in diameter shall be constructed around each tree. A permanently installed drip irrigation system, or weekly saturation during the growing season (March through October), is required. If weekly saturation from a tanker truck is the preferred method, the root zone of each tree will be thoroughly saturated twice on the same day to achieve the prescribed weekly watering. Irrigation water may be obtained from Lake Georgetown. If rainfall is sufficient, the Georgetown Lake Manager may temporarily suspend the requirement for irrigation.

7. All areas disturbed during construction shall be graded and reseeded with the attached Minimum Seeding Rates For Disturbed Areas. For grassed areas within the plant that will be maintained at a short height by mowing substitute Buffalo grass entirely for the specified grass mix. K.R. Bluestem, Bermudagrass and rye grass will not be used. Oats or wheat may be substituted for rye grass. If fill or topsoil is needed, it should be free of Bermuda grass, K. R. Bluestem, rye grass, Johnson grass and other exotic grasses. The Grantee will be held

responsible for removing stands of these plants established as a result of its construction, operations and maintenance activities and replacing them with native plants.

C. Monitoring Reports. The City of Georgetown shall provide a monitoring/survival report at the end of each growing season for the three-year period. The report shall be furnished to the Georgetown Lake Manager no later than October 15 of each year.

MINIMUM SEEDING RATES FOR DISTURBED AREAS

<u>Common Name</u>	<u>Variety</u>	<u>Lbs. Pure Live Seed/Acre</u>
Little Bluestem	Native Texas	3.6
Indiangrass	Lometa	1.5
Buffalograss**	Top Gun	5.3
Sideoats Grama	Haskell	3.6
Switchgrass*	Alamo	0.6
Big Bluestem	Kaw	1.5
Sand Lovegrass	Mason	3.6
Texas Bluebonnet		35.0 (bulk seed)
Firewheel		10.0 (bulk seed)
Showey (Pink Evening) Primrose		1.0 (bulk seed)
Verbena		2.0 (bulk seed)
Texas Paintbrush		0.25 (bulk seed)
Standing Cypress		6.0 (bulk seed)
Lemon Mint		3.0 (bulk seed)
Mealy Sage		8.0 (bulk seed)
Gay Feather		10.0 (bulk seed)
Clasping Coneflower		3.0 (bulk seed)
Engelmann Daisy		5.0 (bulk seed)
Narrow-leafed Coneflower		10.0 (bulk seed)
Purple Prairie Clover		8.0 (bulk seed)

Notes:

1. Minimum rates are given for hydromulch, drill, or broadcast with mulch seeding techniques. If straight broadcast technique is used, double rates. Optimum planting dates for native species is February 1 - May 15.

2. *Use in areas subject to inundation, erosion or periodic flooding. Do not use where fire or deer will be a hazard.

3. **Substitute buffalo grass for the entire grass seed mix specified if the area is to be maintained at a short height by frequent mowing (e.g., lawns and facilities).

4. If soil cover is needed, use wheat or oats and wheat combination at the rate of 60 lbs. per acre. Optimum planting dates for cool season annuals is September 1 - November 30.

5. Flower seeding rates are for single species. For mixtures of flower seed sum the rates for each and divide by the number of species in the mix to derive the total rate, then apply the rate differences for each species as a percentage of the total mix.

METES AND BOUNDS DESCRIPTION

BEING A 0.246-ACRE TRACT OF LAND SITUATED IN THE DAVID WRIGHT SURVEY, ABSTRACT NO. 13, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF A 122 ACRE TRACT OF LAND CONVEYED TO THE UNITED STATES OF AMERICA AS RECORDED IN VOLUME 514, PAGE 432 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 0.246-ACRE TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a U.S. Army Corps of Engineers brass disk found in concrete on an angle point in the northerly boundary line of said 122 acre tract of land conveyed to the United States of America, same being a point at the most easterly corner of a 13.228 acre tract of land leased to the City of Georgetown, Williamson County, Texas as recorded in Volume 616, Page 731 of the Deed Records of Williamson County, Texas, same being a point at the most southeasterly corner of a 10' wide strip of land dedicated as right-of-way per "Georgetown H.E.B. #2 Record Final Plat", according to the plat recorded in Cabinet U, Slide 304 of the Plat Records of Williamson County, Texas, for an angle point in the westerly boundary line and POINT OF BEGINNING hereof;

THENCE with the common boundary line of said 122 acre tract of land and the easterly boundary line of said 10' wide strip of land dedicated as right-of-way, N25°07'49"E for a distance of 240.85 feet to a capped iron rod set stamped "Diamond Surveying", from which a 1" iron rod found at an angle point in the westerly boundary line of said 122 acre tract of land, same being the most northeasterly corner of said 10' wide strip of land dedicated as right-of-way, bears N25°07'49"E a distance of 766.44 feet, Bearing Basis: NAD-83(1993), Texas Central (4203), State Plane;

THENCE departing the said 10' wide strip of land dedicated as right-of-way, through the interior of said 122 acre tract of land, S88°26'31"E for a distance of 109.05 feet to a capped iron rod set stamped "Diamond Surveying" on a point in the easterly boundary line of said 122 acre tract of land, same being a point in the westerly boundary line of a 0.20 acre tract of land conveyed to Williamson County as recorded in Document No. 2001043250 of the Official Public Records of Williamson County, Texas, for an angle point hereof;

THENCE with the common boundary line of said 122 acre tract of land and said 0.20 acre tract of land, S25°07'57"W for a distance of 16.37 feet to a capped iron rod set stamped "Diamond Surveying" for an angle point hereof, from which the calculated southwest corner of said 0.20 acre tract bears S25°07'57"W for a distance of 6.03 feet;

THENCE departing the westerly boundary line of said 0.20 acre tract of land, through the interior of said 122 acre tract of land the following four (4) courses and distances:

1) N88°26'31"W for a distance of 93.37 feet to a capped iron rod set stamped "Diamond Surveying" for an angle point hereof;

2) S25°08'38"W for a distance of 167.61 feet to a capped iron rod set stamped "Diamond Surveying" for an angle point hereof;

3) S17°53'13"W for a distance of 247.36 feet to a capped iron rod set stamped "Diamond Surveying" for an angle point hereof

4) N37°00'00"W for a distance of 48.88 feet to a capped iron rod set stamped "Diamond Surveying" on a point in the curving southeasterly boundary line of aforementioned 13.228 acre leased tract of land for an angle point hereof, from which a 3/4" iron rod found on the most southerly corner of said 13.228 acre tract bears S15°46'02"W for a distance of 447.36 feet;

THENCE continuing through the interior of said 122 acre tract of land and along the curving southeasterly boundary line of said 13.228 acre leased tract of land the following two (2) courses and distances:

1) With the arc of a curve to the right having a radius of 1974.69 feet, a delta angle of 02°41'30", an arc length of 92.77 feet and a chord which bears N23°47'01"E for a distance of 92.76 feet to a 1/2" iron rod found;

2) N25°00'59"E for a distance of 66.67 feet to the POINT OF BEGINNING hereof and containing 0.246 acres of land more or less.

 **DIAMOND SURVEYING, INC.**
P.O. BOX 1937, GEORGETOWN, TX 78627
(512) 931-3100



3-7-05

SHANE SHAFER, L.P.L.S. NO. 5281
0.246-ACRE TRACT

DATE



SKETCH TO ACCOMPANY METES AND BOUNDS DESCRIPTION

FOR A 0.246 ACRE TRACT OF LAND, SITUATED IN THE DAVID WRIGHT SURVEY, ABSTRACT NO. 13, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF A 122 ACRE TRACT OF LAND CONVEYED TO THE UNITED STATES OF AMERICA BY INSTRUMENT RECORDED IN VOLUME 514, PAGE 432 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS.



SCALE: 1" = 100'

10' RIGHT-OF-WAY DEDICATION
(CAB. U, SL. 304)

1" IRF

WILLIAMSON COUNTY
(0.20 ACRES)
DOC. NO. 2001043250

ECKERD'S AT CEDAR BREAKS
(RECORD FINAL PLAT)
CAB. X, SL. 216-217
LOT 5

GEORGETOWN H.E.B. #2
RECORD FINAL PLAT
CAB. U, SL. 304

0.246 ACRE TRACT

TRACT LEASED BY
THE CITY OF GEORGETOWN
WILLIAMSON COUNTY, TEXAS
(13.228 ACRES)
VOL. 616, PG. 731

POINT OF BEGINNING

MUELLER FAMILY PARTNERSHIP #1, L.P.
(REMNANT OF A CALLED 21.3972 AC.)
DOC. NO. 9655491

WILLIAMSON COUNTY
(1.22 AC.)
DOC. NO. 2001059428

EASTERLY LIMITS OF TEMPORARY CONSTRUCTION
EASEMENT IS EXISTING WEST EDGE OF PAVEMENT
OF CEDAR BREAKS ROAD

SURVEYOR'S NOTES:

1) BEARING BASIS:
NAD-83(1993), TEXAS CENTRAL
(4203), STATE PLANE.

2) ALL DOCUMENTS LISTED
HEREON ARE RECORDED IN THE
OFFICE OF THE COUNTY CLERK
OF WILLIAMSON COUNTY, TEXAS.

SHEET 1 OF 2

THE UNITED STATES OF AMERICA
TRACT 101
NORTH FORK LAKE, TEXAS
(122.00 ACRES)
VOLUME 514, PAGE 432

<> DIAMOND SURVEYING, INC.
P.O. BOX 1937, GEORGETOWN, TX 78627
(512) 931-3100

NATURAL RESOURCES MITIGATION PLAN

City of Georgetown Wastewater Line

Lake Georgetown

July 2005

AI. Introduction. The City of Georgetown is proposing to construct a wastewater line on Federal property at Lake Georgetown. The line will be placed within the existing D. B. Wood Rd. easement currently granted to Williamson County. The proposed construction will disturb less than 0.246 acre of grassed area alongside D. B. Wood Rd.

B. Required Compensatory Mitigation. To mitigate for the loss of vegetation other than trees the City of Georgetown will be required to perform the following:

1. No trees will be removed as a result of this activity; therefore no tree replacement is required.
2. All areas disturbed during construction shall be graded and reseeded with the attached Minimum Seeding Rates For Disturbed Areas. Since it is a small area, Buffalo grass will be substituted entirely for the specified grass mix, and Texas Bluebonnet, Firewheel and Texas Paintbrush may be substituted entirely for the specified flower mix.
3. K.R. Bluestem, Bermudagrass and rye grass will not be used.
4. Oats or wheat may be substituted for rye grass. If fill or topsoil is needed, it should be free of Bermuda grass, K. R. Bluestem, rye grass, Johnson grass and other exotic grasses.
5. The Grantee will be held responsible for removing stands of the plants in Items 3 and 4 established as a result of its construction, operations and maintenance activities and replacing them with native plants.

MINIMUM SEEDING RATES FOR DISTURBED AREAS

<u>Common Name</u>	<u>Variety</u>	<u>Lbs. Pure Live Seed/Acre</u>
Little Bluestem	Native Texas	3.6
Indiangrass	Lometa	1.5
Buffalograss**	Top Gun	5.3
Sideoats Grama	Haskell	3.6
Switchgrass*	Alamo	0.6
Big Bluestem	Kaw	1.5
Sand Lovegrass	Mason	3.6
Texas Bluebonnet		35.0 (bulk seed)
Firewheel		10.0 (bulk seed)
Showey (Pink Evening) Primrose		1.0 (bulk seed)
Verbena		2.0 (bulk seed)
Texas Paintbrush		0.25 (bulk seed)
Standing Cypress		6.0 (bulk seed)
Lemon Mint		3.0 (bulk seed)
Mealy Sage		8.0 (bulk seed)
Gay Feather		10.0 (bulk seed)
Clasping Coneflower		3.0 (bulk seed)
Engelmann Daisy		5.0 (bulk seed)
Narrow-leafed Coneflower		10.0 (bulk seed)
Purple Prairie Clover		8.0 (bulk seed)

Notes:

1. Minimum rates are given for hydromulch, drill, or broadcast with mulch seeding techniques. If straight broadcast technique is used, double rates. Optimum planting dates for native species is February 1 - May 15.

2. *Use in areas subject to inundation, erosion or periodic flooding. Do not use where fire or deer will be a hazard.

3. **Substitute buffalo grass for the entire grass seed mix specified if the area is to be maintained at a short height by frequent mowing (e.g., lawns and facilities).

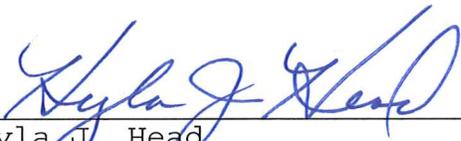
4. If soil cover is needed, use wheat or oats and wheat combination at the rate of 60 lbs. per acre. Optimum planting dates for cool season annuals is September 1 - November 30.

5. Flower seeding rates are for single species. For mixtures of flower seed sum the rates for each and divide by the number of species in the mix to derive the total rate, then apply the rate differences for each species as a percentage of the total mix.

**DETERMINATION OF AVAILABILITY
CIVIL WORKS PROJECTS
SA #3 to Lease DACW61-3-76-0428**

1. I have determined that the intended use of this property is in the public interest or will further project purposes and is consistent with delegated authorities and Government regulations.
2. I have determined that the proposed use is not a potential embarrassment to the Army.
3. I have determined that the property is not excess to the overall project purpose and has not been identified as not utilized in a Real Property Management Report.
4. I have determined that the rental consideration is not less than fair market value of the leased interest, taking into account the benefit to the United States to the public and to the Department of the Army.
5. I have determined that the rental consideration is appropriate for the use proposed.
6. The proposed use for an onsite wastewater line at Georgetown Lake is approved.
7. Coordination: CESWF-OD, CESWF-OD-NF
8. It has been determined that the property is available for the proposed use and may be outgranted in accordance with applicable laws, rules and regulations.

7/24/06
Date



Hyla J. Head
Chief, Real Estate Division

REPORT OF AVAILABILITY
SA #3 to Lease DACW63-1-76-0428

C. PRELIMINARY PROCEDURES:

1. STEWART B. MCKINNEY HOMELESS REQUIREMENTS:

McKinney Act requirements do not apply to this action.

McKinney Act requirements apply, necessary screening has been completed, and no interest was expressed.

2. INVENTORY AND CONDITION REPORTS:

No Government improvements are included in the proposed outgrant, so an inventory and condition report is not required.

Government improvements are included and an inventory and condition report is required.

3. CONSIDERATION:

There is no monetary consideration required for this action.

Consideration is admin fee of \$345. NF Project Office is being hooked up to the sewer line.

Offsets (In kind amounts) for the improvement, maintenance, protection, repair or restoration of the property leased will be provided in lieu of rent.

Consideration is less than fair market value and the outgrant document must contain assurances for Civil Rights Act non-discrimination and the Rehabilitation Act.

Consideration is based on the Revised Graduated Rental System.

4. WAIVER OF COMPETITION:

A waiver of competition is not required.

waiver of competition is recommended. Provide full justification and proposed grantee, if waiver is recommended.

5. Other applicable laws, regulations, MOA's, etc. requiring consideration for processing this action: N/A

6. TECHNICAL SPECIFICATIONS: (Attach a copy here or indicate where a copy is available.) (Conservation plan for A&G leasing; Project technical information (e.g. flood control, hydroelectric, navigation; any water level fluctuations; environmental data, etc.); Safety requirements; Master plan data, if necessary to potential outgrantee. Where additional areas for similar development are shown in the Master Plan, all interested parties should be advised of the Government's tentative plans for these sites.)

7. Additional information that will assist in processing this application/action: N/A

8. BASED ON THE INFORMATION PROVIDED ABOVE, I RECOMMEND THE OUTGRANT BE [X] APPROVED [] DENIED. If the outgrant is recommended for denial, state the reasons:

7/24/06
Date



Hyla J. Head
Chief, Real Estate Division

SUPPLEMENTAL AGREEMENT NO. 4
TO
DEPARTMENT OF THE ARMY
LEASE NO. DACW63-1-76-0428
CITY OF GEORGETOWN
GEORGETOWN LAKE, TEXAS

This Supplemental Agreement No. 4 made and entered into between the Secretary of the Army, party of the first part, hereinafter referred to as the Government, and City of Georgetown, party of the second part, hereinafter referred to as the Grantee;

WITNESSETH:

WHEREAS, on 18 August 1975, Lease No. DACW63-1-76-0428 was entered into by and between the Government and the Grantee, whereby the Grantee was granted use and occupancy of approximately 13.22 acres of land for construction, operation, maintenance, and repair of a water treatment plant at Georgetown Lake, Texas for a term of fifty (50) years beginning 18 August 1975, and ending 17 August 2025; and

WHEREAS, on 08 April 2002, Supplemental Agreement No. 1 was entered into whereby the City of Georgetown added a 3 million gallon clearwell and associated pump station, electrical appurtenances and 30-inch ductile iron pipe to the existing water treatment plant provided the City of Georgetown abide by the Natural Resources Mitigation Plan; and

WHEREAS, on 13 January 2004, Supplemental Agreement No. 2 was entered into whereby the City of Georgetown conveyed partial ownership interest (NTE 28%) to the Chisholm Trail Special Utility District; and

WHEREAS, 24 July 2006, Supplemental Agreement No. 3 was entered into whereby the City of Georgetown added (a) an on-site wastewater line and sludge handling improvements, and (b) a 0.246-acre area for a wastewater line; and

WHEREAS, the grantee has requested that the original lease be amended to expand the lease area by 4.019 acres of land, and the Government is agreeable thereto.

WHEREAS, it is acceptable to the Secretary of the Army for the City of Georgetown to add a 4.019-acre area for the expansion of an existing water treatment plant; and

NOW, THEREFORE, by mutual agreement of the parties hereto, the original lease is amended in the following respect only:

(a) The consideration shall be increased from \$1300.00 per annum to \$1700.00 per annum.

(b) The lease acreage shall be increased by 4.019 acres to allow for the expansion of the water treatment plant as shown in Exhibits E-4 to E-5. Any reference in the original lease referring to 13.228 acres will be replaced with 17.493 acres.

(c) Exhibit F, *Natural Resources Mitigation Plan*, and Exhibit G, *Minimum Seeding Rates for Disturbed Areas*, are added to and made a part thereof. The grantee is required to utilize these exhibits in managing the natural resources located within the lease area.

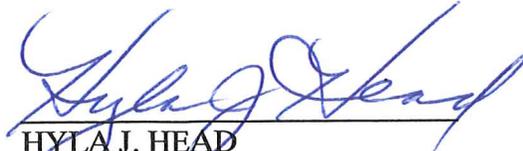
(d) Vegetation Management. Plans for future construction within the 4.019-acre lease expansion area should minimize the clearing of liveoaks where possible. Reseeding of grasses following construction should be in accordance with the *Minimum Seeding Rates for Disturbed Areas* (Exhibit G). The grantee will be required to keep the lease area, particularly the undeveloped area containing the archeological features of 41WM 1076, free of secondary Ashe juniper growth and *Baccharis neglecta*.

For reseeding of areas that are to be mowed frequently, only Buffalo grass should be used as noted in Paragraph 2 of Exhibit G. Use of herbicides may be required to control *Baccharis* and Johnson grass and should be limited to spot treatment. Following routine maintenance activities that result in soil disturbance, a selection of plants from the same seed list should be used following work. If fill or topsoil is needed, it should be free of Bermuda grass, K.R. Bluestem, rye grass, Johnson grass and other exotic grasses. The grantee will be held responsible for removing stands of these plants established as a result of its operations and maintenance activities and replacing them with native plants.

(d) Cultural Resources Mitigation/Management of Site 41 WM 1076. The grantee will be required to keep Ashe juniper removed from the features, to provide for limited investigation of three features, Burned Rock Middens 2 and 3 and the large area of burned rock and artifacts between Burned Rock Midden 3 and the water treatment plant entry, consisting of shovel testing, accurate mapping (one foot topo showing extent of each feature), and determination of eligibility for the National Register of Historical Places. A report on the results of these investigations will be furnished to the Georgetown Lake Manager, Texas Historical Commission and Texas Archeological Research Laboratory. The grantee will be required to fence the three features with chain link fencing to prevent additional accidental damage and help deter vandalism. The grantee will assist the government in protecting these features and permit access by authorized government personnel. More intensive investigation will be required should any of the features be adversely affected by future construction projects.

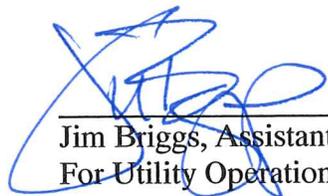
All other provisions of the lease remain unchanged and in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand by direction of the Secretary of the Army this 31ST day of October 2008.


HYLA J. HEAD
Chief, Real Estate Division

This SUPPLEMENTAL AGREEMENT NO. 4 is also executed this 22 day of September 2008.

CITY OF GEORGETOWN


Jim Briggs, Assistant City Manager
For Utility Operations

CERTIFICATE

I Laura Wilkins certify that I am the Administrative Supervisor of Georgetown Utility Systems, City of Georgetown, and that Jim Briggs who signed the forgoing instrument on behalf of the grantee was then Assistant City Manager for Utility Operations, City of Georgetown.

And that said Supplemental Agreement No. 4 was duly signed for an on behalf of the City of Georgetown by authority of its governing body and is within the scope of its legal powers.

DATE: September 23, 2008



Laura Wilkins

NAME

Administrative Supervisor

TITLE

NOTE: Please have someone, other than the person who signed the Agreement, complete and sign this form.

METES AND BOUNDS DESCRIPTION

BEING A 4.019-ACRE TRACT OF LAND SITUATED IN THE DAVID WRIGHT SURVEY, ABSTRACT NO. 13, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF A CALLED 122.00-ACRE TRACT OF LAND KNOWN AS TRACT 101, NORTH FORK LAKE, TEXAS, CONVEYED TO THE UNITED STATES OF AMERICA AS RECORDED IN VOLUME 514, PAGE 432 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 4.019-ACRE TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a 1/2" iron rod found on a point in the northerly boundary line of said 122.00-acre United States of America tract, same being the westerly boundary line of Georgetown H.E.B. #2, Record Final Plat according to plat recorded in Cabinet U, Slides 304-305 of the Plat Records of Williamson County, Texas, said point being the most northerly corner of a called 13.228-acre tract of land leased to the City of Georgetown, Texas as recorded in Volume 616, Page 731 of the Deed Records of Williamson County, Texas, said point also being the most easterly corner and POINT OF BEGINNING hereof, from which a U. S. Army Corps of Engineers brass disk in concrete found on a point in the westerly right-of-way line of Cedar Breaks Road (right-of-way width varies), same being on an angle point in the northerly boundary line said 122.00-acre United States of America tract, same being the most easterly corner of said 13.228-acre City of Georgetown Lease tract, bears S37°33'38"E a distance of 999.85 feet, Bearing Basis: NAD-83(1993), Texas Central (4203), State Plane;

THENCE departing the westerly boundary line of said Georgetown H.E.B. #2, Record Final Plat tract, through the interior of said 122.00-acre United States of America tract, with the northwesterly boundary line of said 13.228-acre City of Georgetown Lease tract, 52°29'28"W a distance of 499.91 feet to a 1/2" iron rod found on a point being the most westerly corner of said 13.228-acre City of Georgetown Lease tract, same being the most southerly corner hereof, from which a 3/4" iron rod found on a point being the most southerly corner of said 13.228-acre City of Georgetown Lease tract bears S37°33'00"E a distance of 1341.62 feet;

THENCE departing the northwesterly boundary line of said 13.228-acre City of Georgetown Lease tract, continuing through the interior of said 122.00-acre United States of America tract, N37°33'00"W a distance of 424.87 feet to a capped iron rod set stamped "Diamond Surveying" on a point in the northwesterly boundary line of said 122.00-acre United States of America tract, same being a point in the southerly boundary line of Lot 12, Block "B", Final Plat of Woodlake Phase 3 according to the plat recorded in Cabinet X, Slides 352-355 of the Plat Records of Williamson County, Texas, said point being the most westerly corner hereof, from which a U.S. Corp of Engineers brass disk found in concrete on a point being the northwesterly corner of said 122.00-acre United States of America tract, same being a point along the southerly boundary line of a called 63.64 acre tract of land conveyed to Patsy Gunn Spencer as recorded in Document No. 9904209 of the Official Public

Records of Williamson County Texas, bears S69°07'21"W a distance of 1531.77 feet;

THENCE with the northwesterly boundary line of said 122.00-acre United States of America tract, in part with the southerly boundary line of said Lot 12, Block "B", Final Plat of Woodlake Phase 3, in part with the southerly boundary line of Lot 4, Record Final Plat Woodlake Commercial Subdivision according to the plat recorded in Cabinet Y, Slides 1-3 of the Plat Records of Williamson County, Texas, N69°07'21"E a distance of 522.04 feet to a U. S. Army Corps of Engineers brass disk in concrete found on a point being an angle point in the northerly boundary line of said 122.00-acre United States of America tract, same point being the most westerly corner of aforementioned Georgetown H.E.B.#2, Record Final Plat, same being the most northerly corner hereof;

THENCE with the northerly boundary line of said 122.00-acre United States of America tract, same being the westerly boundary line of said Georgetown H.E.B. #2 Record Final Plat tract, S37°30'37"E a distance of 275.45 feet to the POINT OF BEGINNING hereof and containing 4.019 acres of land, more or less.

◇ DIAMOND SURVEYING, INC.
516 LEANDER ROAD, GEORGETOWN, TX 78626
(512) 931-3100

Shane Shafer

3-7-05

SHANE SHAFER, R.P.L.S. No. 5281

Date

Lake Water Additional Lease Area 4.019-acre tract

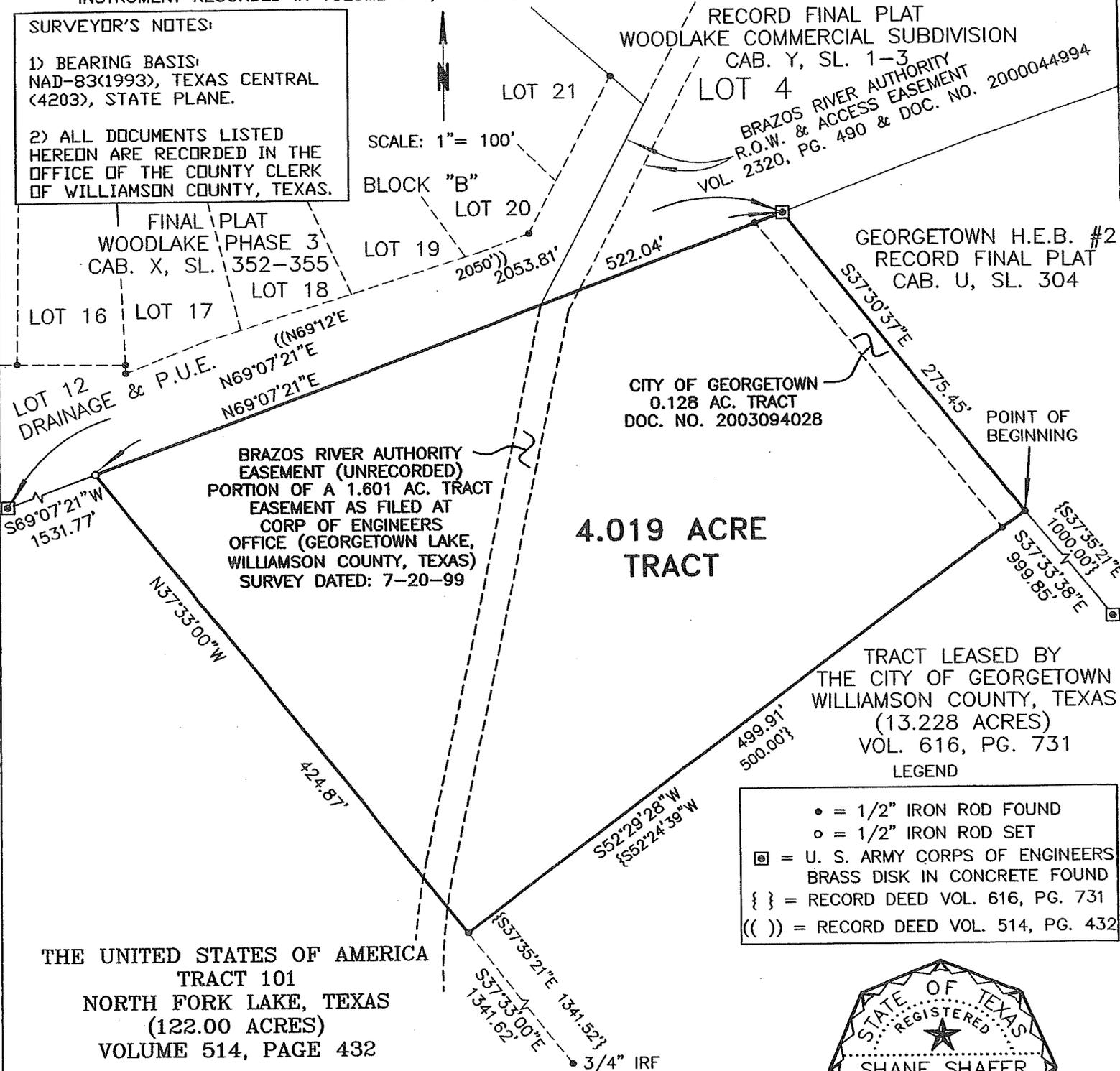


SKETCH TO ACCOMPANY METES AND BOUNDS DESCRIPTION

FOR A 4.019 ACRE TRACT OF LAND SITUATED IN THE DAVID WRIGHT SURVEY, ABSTRACT NO. 13, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF A 122 ACRE TRACT OF LAND CONVEYED TO THE UNITED STATES OF AMERICA BY INSTRUMENT RECORDED IN VOLUME 514, PAGE 432 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS.

SURVEYOR'S NOTES:

- 1) BEARING BASIS: NAD-83(1993), TEXAS CENTRAL (4203), STATE PLANE.
- 2) ALL DOCUMENTS LISTED HEREON ARE RECORDED IN THE OFFICE OF THE COUNTY CLERK OF WILLIAMSON COUNTY, TEXAS.



4.019 ACRE TRACT

**THE UNITED STATES OF AMERICA
TRACT 101
NORTH FORK LAKE, TEXAS
(122.00 ACRES)
VOLUME 514, PAGE 432**

I, Shane Shafer, Registered Professional Land Surveyor in the State of Texas, hereby certify that this plat represents a survey made on the ground under my direct supervision, completed on March 4, 2005. At the time of this survey there were no encroachments, conflicts, or protrusions apparent on the ground, EXCEPT AS SHOWN. This survey was performed without the benefit of a Title Commitment. USE OF THIS SURVEY BY OTHER PARTIES SHALL BE AT THERE OWN RISK AND UNDERSIGNED SURVEYOR IS NOT RESPONSIBLE

- LEGEND**
- = 1/2" IRON ROD FOUND
 - = 1/2" IRON ROD SET
 - ⊠ = U. S. ARMY CORPS OF ENGINEERS BRASS DISK IN CONCRETE FOUND
 - { } = RECORD DEED VOL. 616, PG. 731
 - (()) = RECORD DEED VOL. 514, PG. 432



Shane Shafer
SHANE SHAFER, R.P.L.S. NO. 5281
3-7-05
DATE

<> DIAMOND SURVEYING, INC.
P.O. BOX 1937, GEORGETOWN, TX 78627
(512) 931-3100

NATURAL RESOURCES MITIGATION PLAN

City of Georgetown Water Treatment Plant Expansion Lake Georgetown

October 2007

A. Introduction. The City of Georgetown is proposing to lease an additional 4.019 acres of land for future expansion of their existing water treatment plant facility on Federal property at Lake Georgetown. Mitigation will be deferred until future amendments for actual construction. Plans should be made to avoid removal of live oak trees within the proposed lease addition area.

B. Required Compensatory Mitigation To mitigate for the loss of trees and other vegetation the City of Georgetown will be required to perform the following:

1. Woody Species Replacement.

a. Mitigation rate. For the loss of each acre of tree crown cover the City will be required to plant trees on 5 acres at the rate of 60 trees per acre. This planting rate would result in a compensatory mitigation ratio of 5:1 (five acres restored and/or improved for every acre lost). The mitigation will be deferred until lease amendments for actual construction are approved.

b. Nursery stock. Trees to be planted shall be container-grown nursery stock with a minimum stem diameter of 2 inches at a point 6 inches above ground. Species to be planted will be primarily a mixture of live oak, Texas red oak, chinkapin oak, bur oak, cedar elm, Texas ash. Other trees and shrubs, such as sumac, Mexican plum, Texas red bud and elbow bush, may be included for diversity.

c. Planting location. The Georgetown Lake Manager shall specify planting location.

d. Planting season. Trees shall be planted concurrent with construction activities during the earliest possible planting season (November through February).

e. Survival and replacement. Survival rate of planted trees must be 100% at installation and 80% at the end of each growing season for the three growing seasons following planting. This survival rate is required regardless of the reason for tree mortality. Additional plantings will be required at the end of each growing season during the three-year period in order to bring the survival rate to 80%.

f. Installation will include tree trunk protection on each tree to protect from damage by deer to meet the satisfaction of the Georgetown Lake Manager.

g. Irrigation. Irrigation and mulching of all planted trees is required for the three-year period. When planted, a water retention levee approximately three feet in diameter shall be constructed around each tree. A permanently installed drip irrigation system, or weekly saturation during the growing season (March through October), is required. If weekly saturation from a tanker truck is the preferred method, the root zone of each tree will be thoroughly saturated twice on the same day to achieve the prescribed weekly watering. Irrigation water may be obtained from Lake Georgetown.

EXHIBIT "F"

h. Weed control. Johnson grass and other grasses and weeds around the root ball and irrigation levee shall be kept controlled with herbicide at all times during the 3year maintenance period.

i. It is recommended that installation, maintenance/weeding and replacement are separate payment items on the contract.

C. **Monitoring Reports.** The City shall provide a monitoring/survival report at the end of each growing season for the three-year period. The report shall be furnished to the Georgetown Lake Manager no later than October 15 of each year.

MINIMUM SEEDING RATES FOR DISTURBED AREAS

Common Name	Variety	Lbs. Pure Live Seed/Acre
Little Bluestem	Native Texas	30.0
Indiangrass	Lometa	6.0
Buffalograss**	Top Gun	15.0
Sideoats Grama	Haskell	10.0
Switchgrass*	Alamo	0.5
Big Bluestem	Kaw or Earl	6.0
Sand Lovegrass	Mason	4.0
Canada Wildrye	Native Texas	2.0
Green Sprangletop	Native Texas	2.0
Tall Dropseed	Native Texas	2.0
Texas Bluebonnet		35.0 (bulk seed)
Firewheel		10.0 (bulk seed)
Showey (Pink Evening) Primrose		1.0 (bulk seed)
Verbena		2.0 (bulk seed)
Texas Paintbrush		0.25 (bulk seed)
Standing Cypress		6.0 (bulk seed)
Lemon Mint		3.0 (bulk seed)
Mealy Sage		8.0 (bulk seed)
Gay Feather		10.0 (bulk seed)
Clasping Coneflower		3.0 (bulk seed)
Engelmann Daisy		5.0 (bulk seed)
Narrow-leafed Coneflower		10.0 (bulk seed)
Purple Prairie Clover		8.0 (bulk seed)
Illinois Bundleflower		15.0 (bulk seed)

Notes:

1. *The above planting list applies to areas that will not require frequent mowing. Minimum rates are given for hydromulch, drill, or broadcast with mulch seeding techniques. Planting with a native grass seed drill is the preferred method of planting. If straight broadcast technique is used, double the rates. Optimum planting dates for native species are February 1 - May 15.*
2. ****Substitute buffalo grass for the entire seed mix specified if the area is to be maintained at a short height by frequent mowing (e.g., lawns and facilities).**
3. *If soil cover crop is needed, use wheat or oats and wheat combination at the rate of 60 lbs. per acre. Optimum planting dates for cool season annuals is September 1 - November 30.*
4. *Flower seeding rates are for single species. For mixtures of flower seed sum the rates for*

each and divide by the number of species in the mix to derive the total rate, then apply the rate differences for each species as a percentage of the total mix.

5. If fill or topsoil is needed, it should be free of Bermuda grass, K. R. Bluestem, rye grass, Johnson grass and other exotic grasses. The Grantee will be held responsible for removing stands of these plants established as a result of its restoration, operations and maintenance activities and replacing them with native plants.