

JAB ENGINEERING, LLC.



4500 Williams Dr., Ste. 212-121
Georgetown, TX 78633
512-779-7414
josh.baran@jabeng.com

Water Pollution Abatement Plan
Application for
Rivery Business Park
at
2006 Rivery Boulevard
Georgetown, Williamson County, Texas 78628

Prepared by:
JAB Engineering, LLC.
TBPE Firm No. F-14076

May 6, 2023

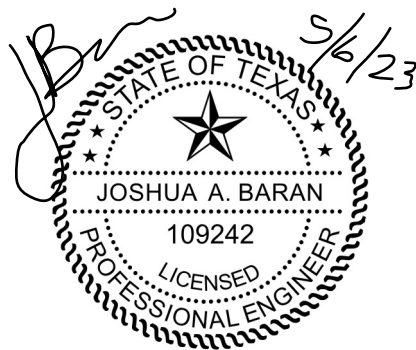


TABLE OF CONTENTS

- I. Edwards Aquifer Application Cover Page**
- II. Geologic Assessment**
- III. General Information Form**
- IV. Water Pollution Abatement Plan Application Form**
- V. Temporary Stormwater Section**
- VI. Permanent Stormwater Section**
- VII. Agent Authorization Form**
- VIII. Application Fee Form**
- IX. Core Data Form**

I. Edwards Aquifer Application Cover Page

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

Technical Review

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

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: Rivery Business Park					2. Regulated Entity No.:				
3. Customer Name: Rivery Business Park Condominiums Association, Inc.					4. Customer No.:				
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	<input checked="" type="radio"/> WPAP	<input type="radio"/> CZP	<input type="radio"/> SCS	<input type="radio"/> UST	<input type="radio"/> AST	<input type="radio"/> EXP	<input type="radio"/> EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	<input type="radio"/> Residential	<input checked="" type="radio"/> Non-residential			8. Site (acres):			3.29945	
9. Application Fee:	\$4,000	10. Permanent BMP(s):				Batch Detention			
11. SCS (Linear Ft.):	0	12. AST/UST (No. Tanks):				0			
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.)	—	—	_1_
Region (1 req.)	—	—	_1_
County(ies)	—	—	—
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___ Barton Springs/ Edwards Aquifer ___ Hays Trinity ___ Plum Creek	___ Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___ Austin ___ Buda ___ Dripping Springs ___ Kyle ___ Mountain City ___ San Marcos ___ Wimberley ___ Woodcreek	___ Austin ___ Bee Cave ___ Pflugerville ___ Rollingwood ___ Round Rock ___ Sunset Valley ___ West Lake Hills	___ Austin ___ Cedar Park ___ Florence _1_ Georgetown ___ Jerrell ___ Leander ___ Liberty Hill ___ Pflugerville ___ Round Rock

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

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

Joshua A. Baran

Print Name of Customer/Authorized Agent

5/6/2023

Signature of Customer/Authorized Agent

Date

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

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

II. Geologic Assessment



**Narrative Description of Site-Specific Geology for
the Property Located at 401 N IH 35,
Georgetown, Williamson County, Texas**

Prepared for:

JAB Engineering, LLC

Prepared by:

Cambrian Environmental

April 16, 2021

**NARRATIVE DESCRIPTION OF SITE-SPECIFIC GEOLOGY FOR THE PROPERTY
LOCATED AT 401 N IH 35, GEORGETOWN, WILLIAMSON COUNTY, TEXAS**

Prepared for:

JAB Engineering, LLC.
4500 Williams Drive
Georgetown Texas 78633

Prepared by:

Heather L. Beatty, P.G.

Cambrian Environmental
4422 Pack Saddle Pass
Suite 204
Austin, Texas 78745

TX Geoscience Firm Registration #50484



As a licensed professional geoscientist
I attest that the contents of this report
are complete and accurate to the best
of my knowledge.

April 16, 2021

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: Heather Beatty,
PG

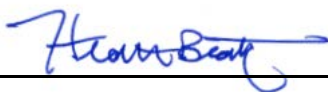
Telephone: 512.470.4013

Fax: _____

Date: 16 April 2021

Representing: Cambrian Environmental (TBPG # 50484) (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:





Regulated Entity Name: 401 N IH 35

Project Information

1. Date(s) Geologic Assessment was performed: 26 March 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)
Georgetown (GsB)	D	<3.5
Fairlie (FaB)	D	< 4.0
Crawford (CfB)	D	<2.5

** 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" = 40'
 Site Geologic Map Scale: 1" = 125'
 Site Soils Map Scale (if more than 1 soil type): 1" = 125'
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.



NARRATIVE DESCRIPTION OF SITE-SPECIFIC GEOLOGY FOR THE PROPERTY LOCATED AT 401 N IH 35, GEORGETOWN, WILLIAMSON COUNTY, TEXAS

INTRODUCTION

This narrative Geologic Assessment accompanies the Texas Commission on Environmental Quality (TCEQ) Geologic Assessment Form TCEQ-0585 completed for the approximately 3.3-acre tract located at 401 N IH 35 in Georgetown, Williamson County, Texas (See Figure 1). At present, the 3.3-acre tract (Williamson County parcel R344520) has no improvements.

METHODOLOGY

Two Cambrian Environmental Registered Professional Geoscientists (Texas License #s 10791 and 1350) conducted a field survey for a Geologic Assessment on the 26th of March 2021. The pedestrian survey was completed by walking parallel transects spaced approximately 50 feet apart as directed by the TCEQ in the Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones (Rev. 10-01-04). Closer spacing was used where vegetation inhibited clear observation. All potential karst features, including depressions, holes, and animal burrows, were carefully examined for evidence of subsurface extent. A number of techniques were used for this effort, including probing with a digging implement to determine the thickness and consistency of fill material and feeling for the presence of air flow, which may indicate the presence of a sub-surface void space. Other techniques included making observations of any notable characteristics of the feature site such as the presence of various types of vegetation or a semi-circular burrow mound produced by the activities of small mammals. We also conducted due diligence activities as called for under the City of Georgetown Edwards Aquifer Recharge Zone Water Quality Ordinance (“the Ordinance”).

RESULTS

Soils

Soils mapped on the property consist of the Georgetown stony clay loam (GsB), the Fairlie clay (FaB) and the Crawford clay (CfB) series soils¹ (See Figure 2). These series soils are all within the “D” classification of the hydrologic soil groups. Type “D” soils have a very slow infiltration rate (very high runoff potential) when thoroughly wet. This Georgetown soil unit is nearly level to gently sloping and occurs on uplands. Typically, this soil has a slightly acid, brown stony clay loam surface layer about 7 inches thick. The subsoil is neutral to slightly acid, reddish brown cobbly clay that extends to about 35 inches. This Fairlie soil unit is gently sloping, and occurs on broad flats and on the edges of drainage ways on uplands. This soil has dark gray clay surface layer about eight inches thick. The subsoil is grey to greyish brown clay that extends to 46 inches deep. This Crawford soil unit is gently sloping and occurs on mesas, foot slopes and at the head of drainage ways on uplands. Typically, the uppermost layer of this soil is brown neutral clay about six inches thick. The subsoil is a reddish brown clay that extends to about 27 inches deep.

¹ United States Department of Agriculture, Natural Resource Conservation Service. Online Web Soil Survey, Williamson County, Texas. <http://websoilsurvey.sc.egov.usda.gov/>

Geology

The bedrock lithology underlying the site consists entirely of the Edwards Limestone (See Figure 3). The geology of the property has been mapped most recently at a useful scale by Collins (2005) and we find his interpretation of the geology to be generally accurate.² Additionally, the entire project site is within the Edwards Aquifer Recharge Zone.

Recharge into the aquifer primarily occurs in areas where the Edwards Group and upper confining units are exposed at the surface. Most recharge is from direct infiltration via precipitation and streamflow loss. Recharge occurs predominantly along secondary porosity features such as faults, fractures, and karst features (caves, solution cavities, sinkholes, etc.). Karst features are commonly formed along joints, fractures, and bedding plane surfaces in the Edwards Group. There is one fault mapped outside the eastern edge of the project area which juxtaposes the Edwards Limestone on the west and Georgetown Limestone on the east. No evidence of the fault trace was directly observed during the pedestrian survey.

Site Hydrogeologic Assessment

In the absence of discrete recharge features, the likelihood of significant recharge occurring within the project area and contributing to the main body of the aquifer is thought to be very low. Should any features be discovered during the land clearing or construction phases of the project, they should be investigated by a qualified geoscientist to determine if notification to TCEQ and mitigation measures will be necessary.

Feature Descriptions

No geologic or man-made features were identified during the pedestrian survey. A review of the Texas Water Development Board's online Groundwater Data Viewer did not produce any results for any existing wells located on this property.

City of Georgetown Salamander Ordinance

No springs or streams were identified on the property during the pedestrian survey, and therefore no occupied site protection, or spring or stream buffer protection measures will be required for the property. All regulated activities within the recharge zone must follow water quality best management practices, and development of the property will need to comply with the water quality protection measures as outlined in Section 8 of the Ordinance.

² Collins, E.W., 2005, Geologic Map of the West Half of the Taylor 30x60 Quadrangle: Central Texas Urban Corridor, Encompassing Round Rock, Georgetown, Salado, Briggs, Liberty Hill, and Leander. Bureau of Economic Geology, The University of Texas at Austin. Austin, Texas 78713-8924.

Stratigraphic Column for 401 N IH 35

*Shaded areas represent lithologies underlying the project area

Upper Cretaceous	Kbu	Buda Limestone	Edwards Aquifer
	Kdr	Del Rio Clay	
Lower Cretaceous	Kgt	Georgetown Limestone ~ 75 feet	
	Ked	Edwards Limestone ~ 100 feet	
	Kcp	Comanche Peak Limestone ~ 50 feet	
	Kwa	Walnut Formation ~ 100 feet	



Typical view of the project area facing east.



Typical view of the project area facing southwest.

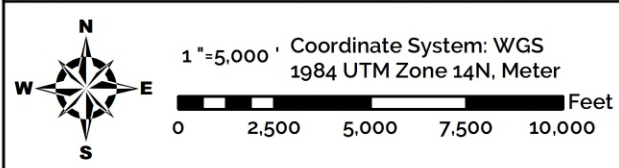
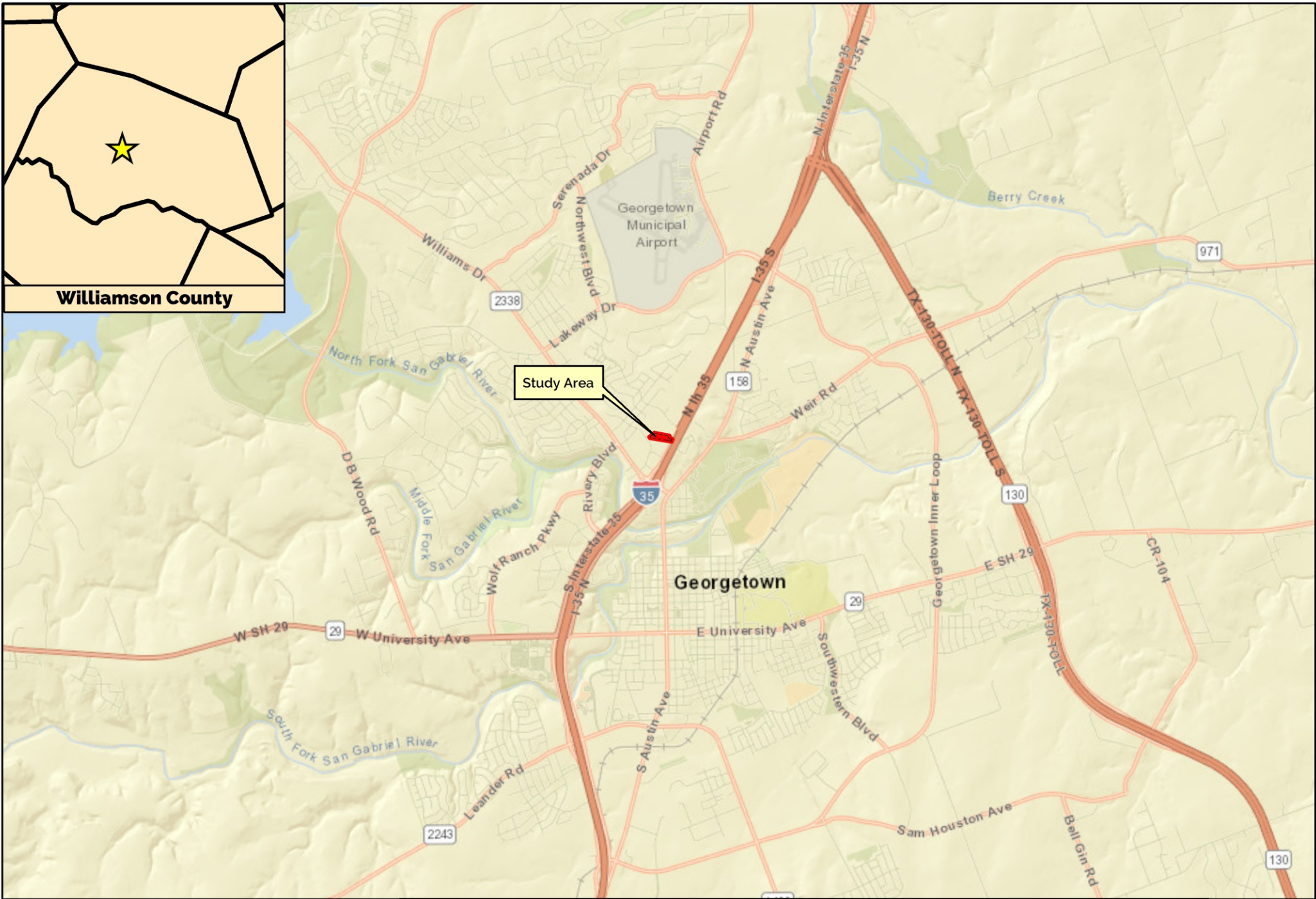


Figure 1 – Site Location Map



Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri

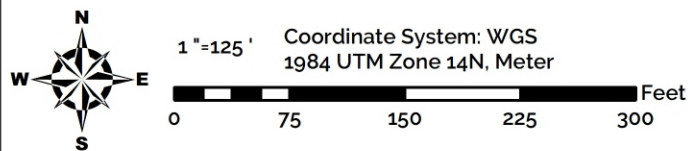
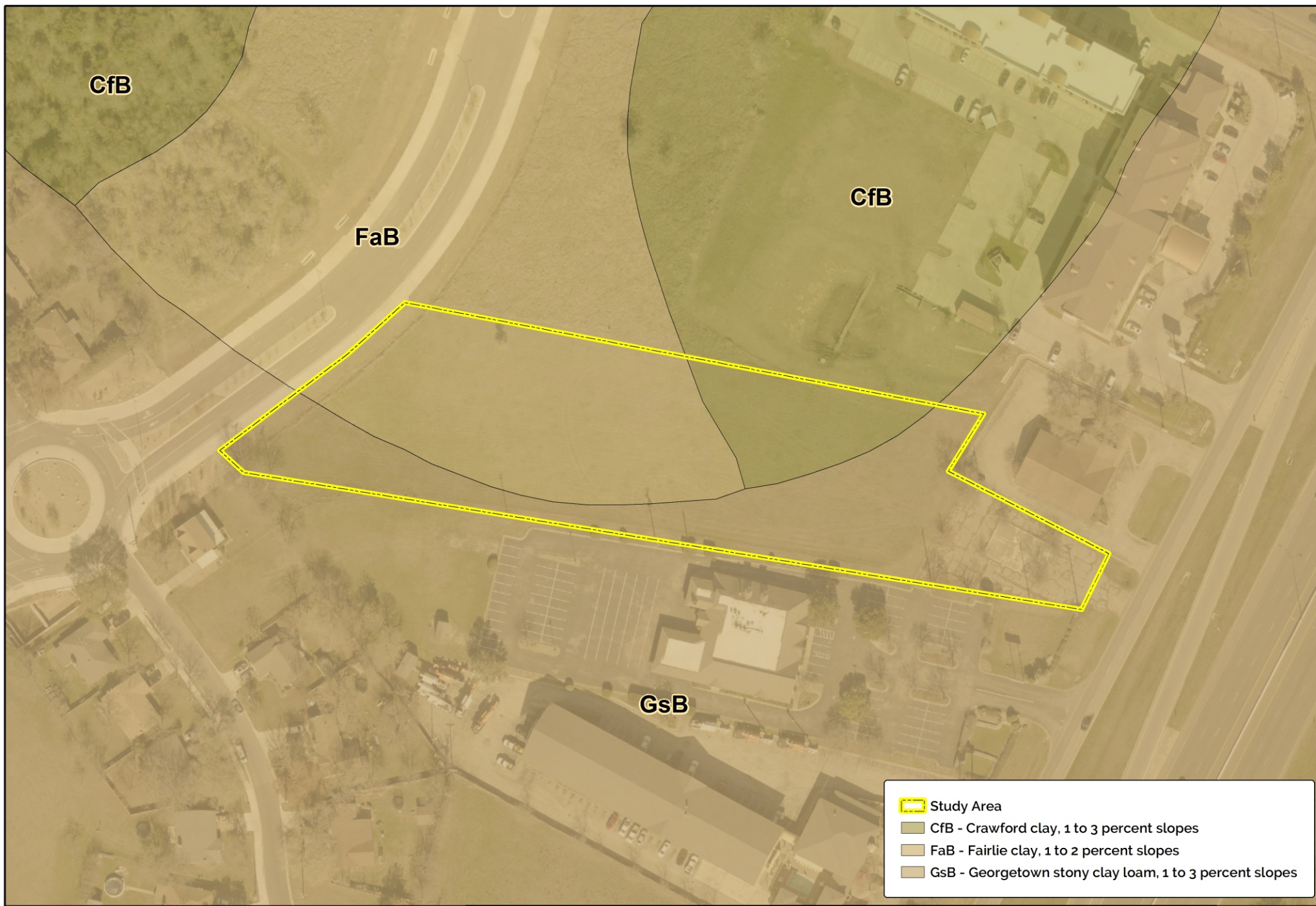
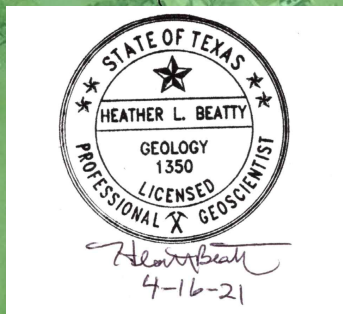


Figure 2 – Site Soils Map



Edwards Aquifer
Recharge Zone



- Two-Foot Contours
- Fault
- Ked - Edwards Limestone
- Kgt - Georgetown Limestone
- Study Area

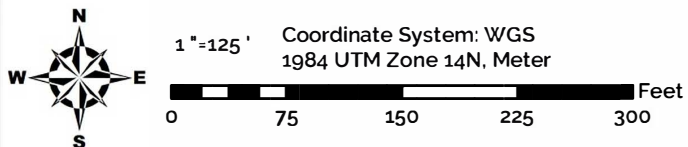


Figure 3 – Site Geologic Map



III. General Information Form

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.

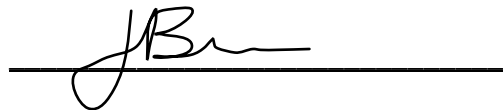
Signature

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: Joshua A. Baran

Date: 5/6/2023

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Rivery Business Park
2. County: Williamson
3. Stream Basin: San Gabriel River
4. Groundwater Conservation District (If applicable): N/A
5. Edwards Aquifer Zone:
☒ Recharge Zone
☐ Transition Zone
6. Plan Type:
☒ WPAP
☐ SCS
☐ Modification

- ☐ AST
☐ UST
☐ Exception Request

7. Customer (Applicant):

Contact Person: Joshua Baran

Entity: Rivory Business Park Condominiums Association, Inc.

Mailing Address: 1625 Williams Drive, Ste. 201

City, State: Georgetown, TX

Zip: 78628

Telephone: 512-508-4970

FAX: _____

Email Address: josh@seven10dev.com

8. Agent/Representative (If any):

Contact Person: Joshua A. Baran

Entity: JAB Engineering, LLC

Mailing Address: 4500 Williams Drive, Ste. 212-121

City, State: Georgetown, TX

Zip: 78633

Telephone: 512-779-7414

FAX: _____

Email Address: josh.baran@jabeng.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.

East side of Rivory Boulevard, approximately 380 feet from its intersection with Park Lane

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: 11/1/2023

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: Construction activities started on this project

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:

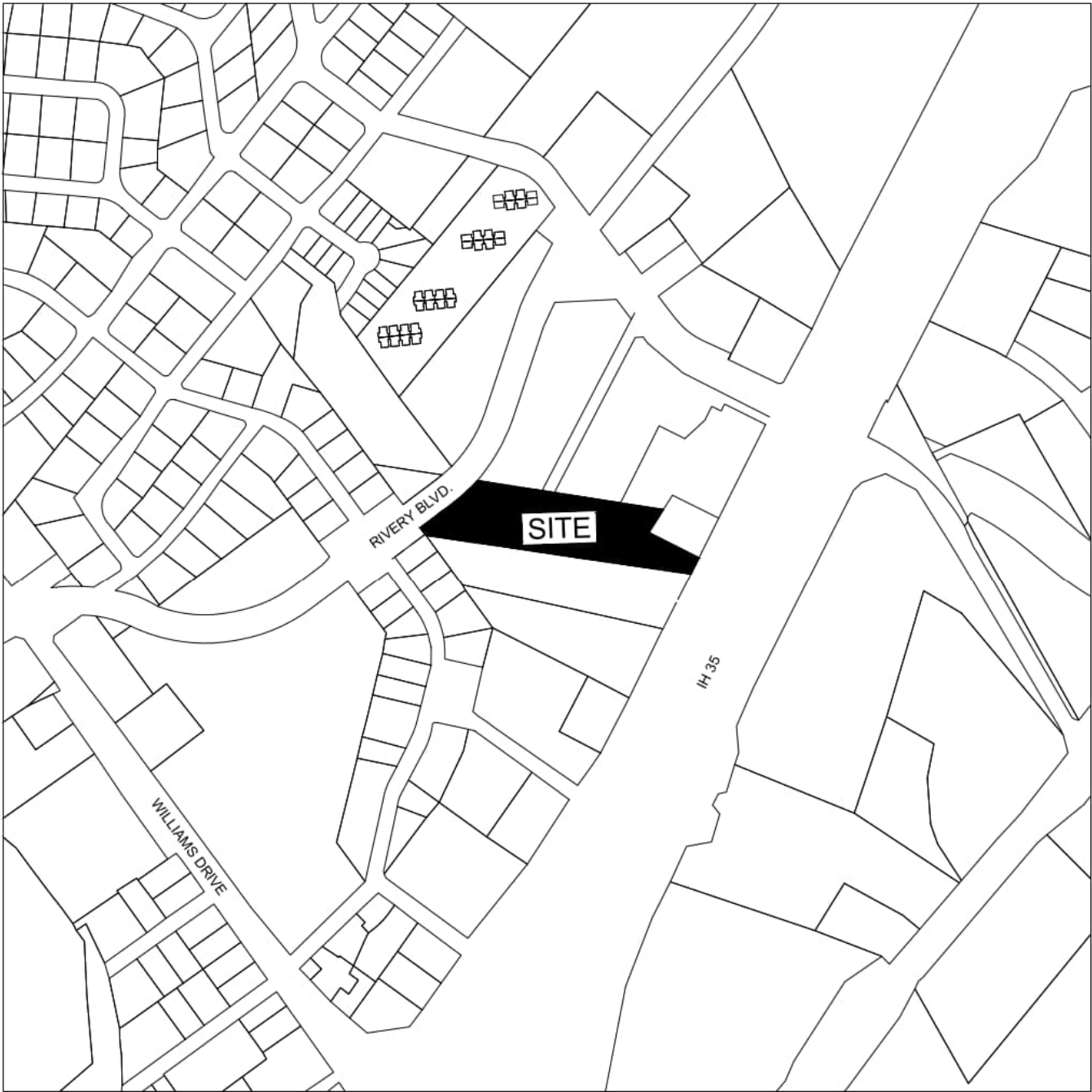
- ☒ TCEQ cashier
- ☐ Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
- ☐ San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

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



SCALE: 1" = 500'

Attachment B

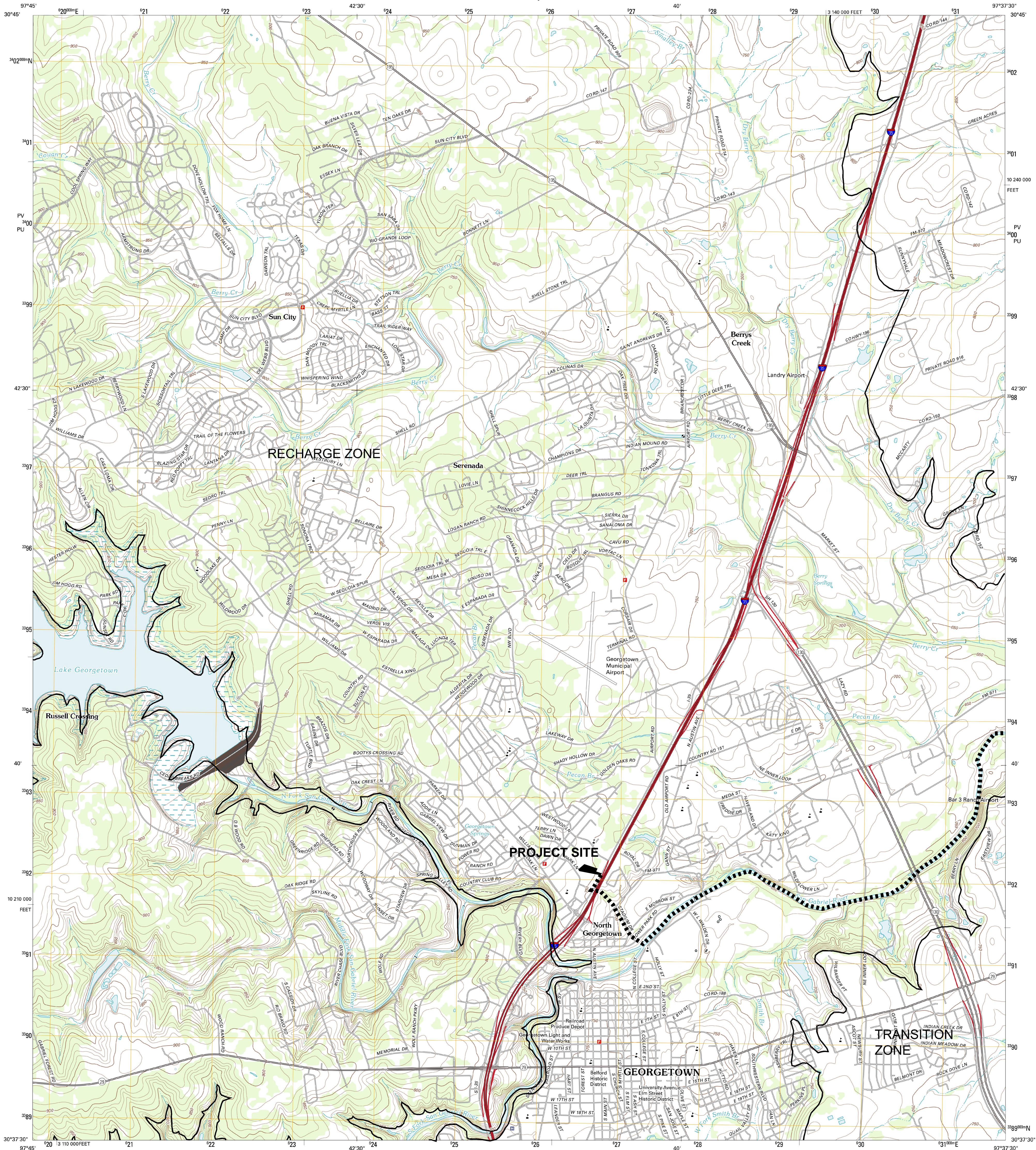
USGS Map



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



GEORGETOWN QUADRANGLE
TEXAS-WILLIAMSON CO.
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 14R
10 000-foot ticks: Texas Coordinate System of 1983 (central zone)

Imagery.....NAP, May 2010
Roads.....2006-2012 TomTom
Names.....GNIS, 2012
Hydrography.....National Hydrography Dataset, 2010
Contours.....National Elevation Dataset, 2004
Boundaries.....Census, IBWC, IBC, USGS, 1972 - 2012

U.T.M. GRID AND 2011 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 m Square ID
PV 100
PU
Grid Zone Designation
14R

SCALE 1:24 000

1 0.5 0 0.5 1
1000 500 0 500 1000
KILOMETERS

1 0.5 0 0.5 1
1000 500 0 500 1000
MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product's draft version 0.6.7



Florene	Cobbs	Jamill
Landier	Georgetown	Weir
Landier	Round	Hutto
	Rock	

ADJOINING 7.5' QUADRANGLES

ROAD CLASSIFICATION

Interstate Route
US Route
Ramp
State Route
Local Road
4WD
US Route
State Route

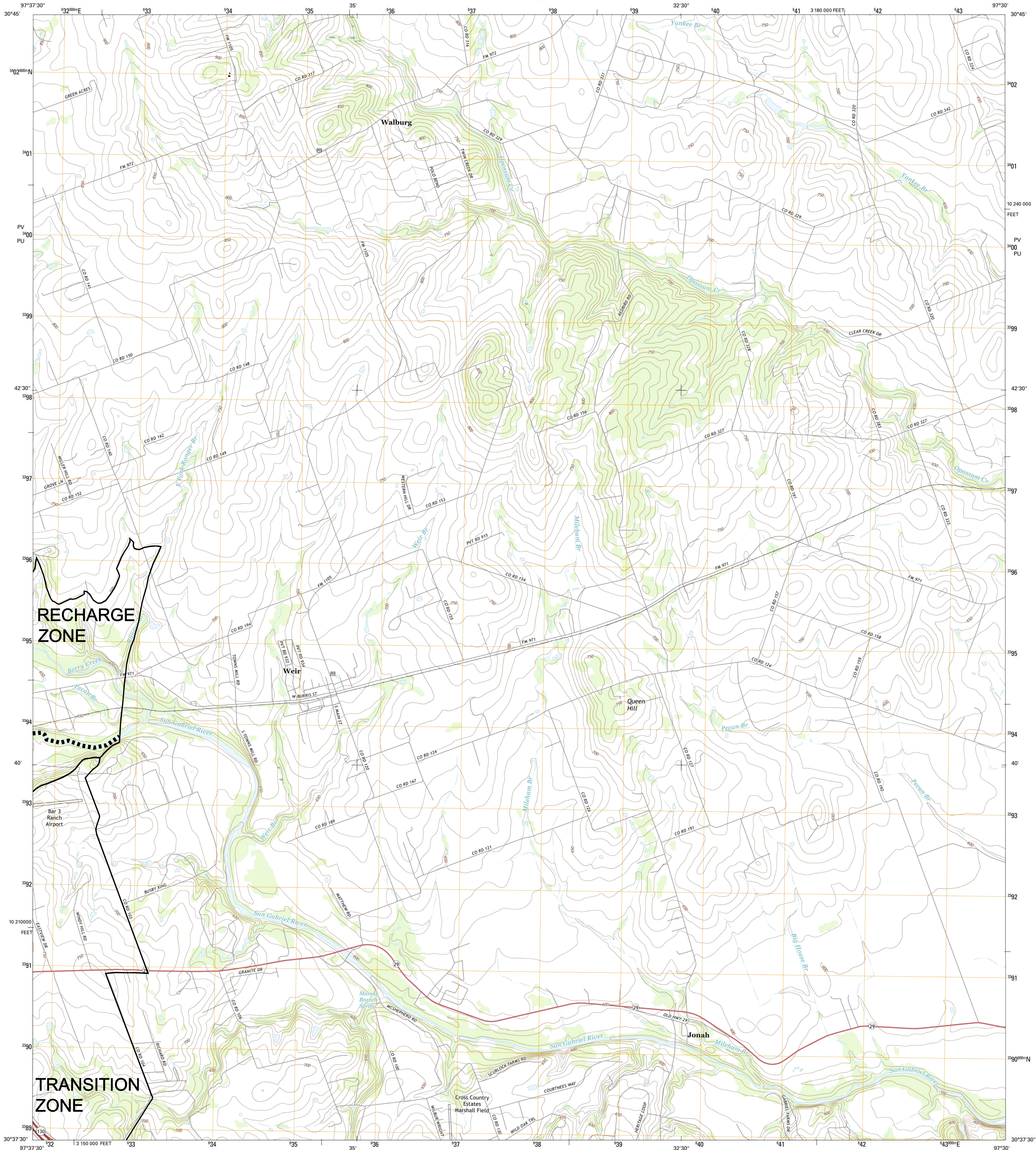
GEORGETOWN, TX
2013



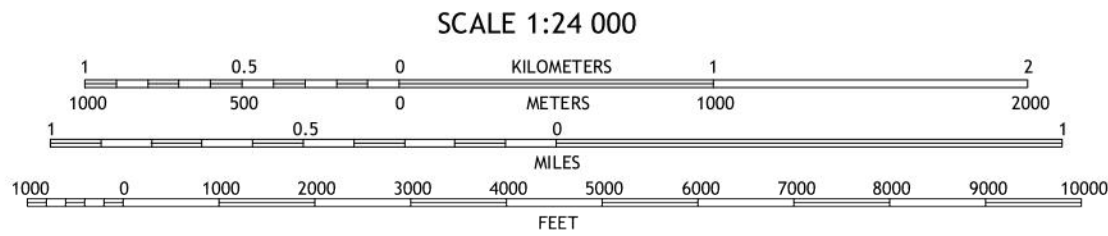
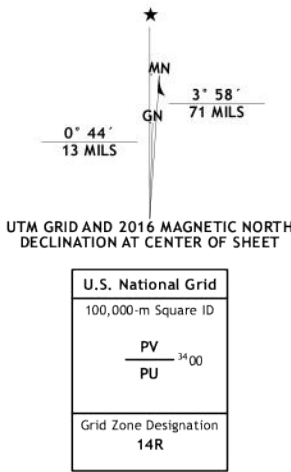
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



WEIR QUADRANGLE
TEXAS-WILLIAMSON CO.
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 14R
10 000-foot ticks: Texas Coordinate System of 1983 (central
zone)
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.
Imagery.....NADs October 2014
Roads.....U.S. Census Bureau, 2014 - 2015
Names.....GNIS, 2015
Hydrography.....National Hydrography Dataset, 2014
Contours.....National Elevation Dataset, 2004
Boundaries.....Multiple sources; see metadata file 1972 - 2015
Wetlands.....FWS National Wetlands Inventory 1977 - 2014



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



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

WEIR, TX
2016



Attachment C

PROJECT DESCRIPTION

INTRODUCTION

The proposed development known as Rivery Business Park (the “development”), located at 2006 Rivery Boulevard, Williamson County, Texas 78628 will be constructed on 3.30 acres, as conveyed to Rivery Business Park, LLC, by Deed as recorded in Document 2021026118, Official Public Records of Williamson County, Texas and managed by Rivery Business Park Condominiums Association, Inc.

The project was constructed prior to submittal of a WPAP. This summary describes the project design elements used to design / construct the project site. In this case, the term “existing” used below refers to the preconstruction conditions, and the term “proposed” refers to the currently built conditions.

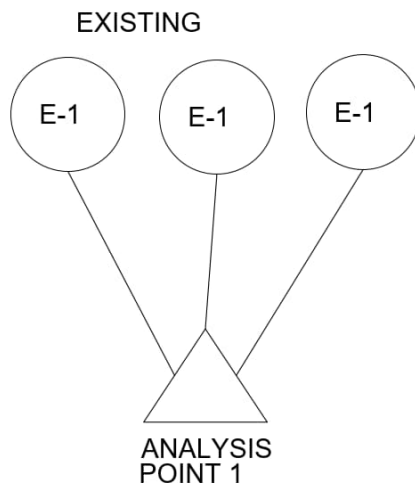
ACCESS

Access will be taken from the existing driveway off Rivery Boulevard.

STORMWATER DRAINAGE

EXISTING CONDITIONS

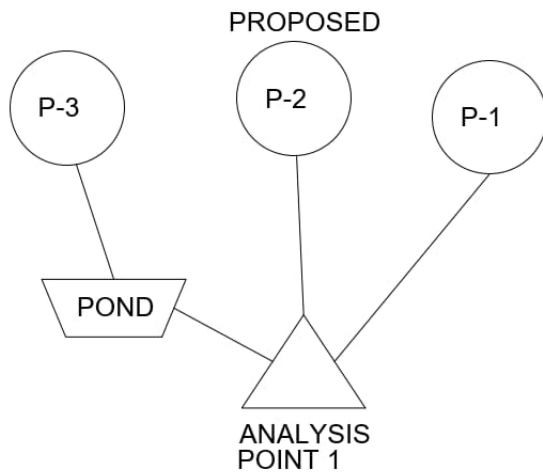
The existing property consists of three drainage areas. Drainage area 1 discharges toward the east through an existing hotel development that was approved under previous permit. This development includes detention facilities designed under the Georgetown DCM. This area is assumed for overall basin purposes to be in the previous discharge conditions since these calculation are not available for public record. Drainage area 2 discharges over the adjoining site and into the right-of-way undetained. Drainage area 3 discharges towards the east IH 35 right-of-way by sheet flow and shallow concentrated flow. A summary of the existing area features can be found in the area listing of the existing drainage calculations.



PROPOSED DEVELOPMENT

The development will convey stormwater runoff by surface drainage to the same locations as the existing discharges. The area of flow from all three drainage areas is combined in the existing roadside ditch, which is the analysis point for both existing and proposed conditions. A proposed pond addresses the increase in drainage area 3 to reduce the proposed discharge below the existing. This area is also routed through an

extended batch detention facility for water quality controls. A summary of the proposed area features can be found in the area listing of the proposed drainage calculations.



DRAINAGE SUMMARY

Utilizing the SCS method for comparison of the existing vs. proposed conditions yielded a decrease in peak discharge to both drainage areas.

EXISTING DRAINAGE SUMMARY									
Area ID	DA (ac.)	DA (mi ² .)	TC(min.)	Lag (min)	CN	Q2(cfs)	Q10(cfs)	Q25(cfs)	Q100(cfs)
E-1	5.52	0.0086	7.0	4.2	73	5.1	12.9	17.8	25.6
E-2	2.65	0.0041	0.0	0.0	78	3.7	8.2	10.8	14.9
E-3	2.84	0.0044	7.0	4.2	76	3.8	8.6	11.5	16.1
Total	11.01	0.0172		Total Peak Flow		12.2	29.0	39.3	55.5

PROPOSED DRAINAGE SUMMARY									
Area ID	DA (ac.)	DA (mi ² .)	TC(min.)	Lag (min)	CN	Q2(cfs)	Q10(cfs)	Q25(cfs)	Q100(cfs)
P-1	5.52	0.0086	7.0	4.2	73	5.1	12.9	17.8	25.6
P-2	2.17	0.0034	7.0	4.2	79	3.3	7.0	9.2	12.6
P-3	3.32	0.0052	5.0	3.0	94	11.8	18.4	22.1	27.6
P-3 Pond	3.32	0.0052				4.2	9.6	12.2	17.9
Total	11.01	0.0172		Total Peak Flow		12.2	29.0	38.6	55.5

ANALYSIS POINT 1 (CFS) ROUTED FLOWS				
Condition	2-year	10-year	25-year	100-year
Existing	12.2	29.0	39.3	55.5
Developed	12.2	29.0	38.6	55.5

The design of the drainage minimizes any effects on the natural and traditional character of the land and waterways; therefore, no adverse effects to the environment are anticipated due to the development.

WATER QUALITY

This development is proposing a Batch Detention BMP.

WATER AND WASTEWATER

Water will be connected to the City of Georgetown services and requires installation of two single-service lines and an extension of a public water line. Wastewater service will be connected to the City of Georgetown services and requires installation of six single-service laterals to a proposed sewer extension.

SEDIMENTATION / EROSION CONTROL / TREE SURVEY

All sedimentation / erosion controls are required and will be in accordance with the City of Georgetown and TCEQ.

CRITICAL ENVIRONMENTAL FEATURES

There are no CEF's per the include GA.

IV. Water Pollution Abatement Plan

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b), Effective June 1, 1999

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

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

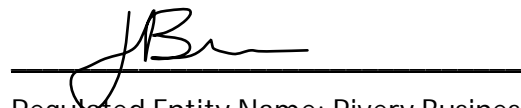
Signature

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

Print Name of Customer/Agent: Joshua A. Baran

Date: 5/6/2023

Signature of Customer/Agent :



Regulated Entity Name: Rivory Business Park

Regulated Entity Information

1. The type of project is:

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

2. Total site acreage (size of property): 3.29945

3. Estimated projected population: 200

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

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	36,300	$\div 43,560 =$	0.83333
Parking	58,379	$\div 43,560 =$	1.34020
Other paved surfaces	2,750	$\div 43,560 =$	0.06313
Total Impervious Cover	97,429	$\div 43,560 =$	2.23666

Total Impervious Cover 3.29945 \div Total Acreage 2.23666 X 100 = 67.8% Impervious Cover

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

For Road Projects Only

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

7. Type of project:

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

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

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

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

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

L x W = _____ Ft² \div 43,560 Ft²/Acre = _____ acres.

10. Length of pavement area: _____ feet.

Width of pavement area: _____ feet.

L x W = _____ Ft² \div 43,560 Ft²/Acre = _____ acres.

Pavement area _____ acres \div R.O.W. area _____ acres x 100 = _____ % impervious cover.

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

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

14. The character and volume of wastewater is shown below:

<u>100%</u> Domestic	<u>1,400</u> Gallons/day
<u> </u> % Industrial	<u> </u> Gallons/day
<u> </u> % Commingled	<u> </u> Gallons/day
TOTAL gallons/day <u>1,400</u>	

15. Wastewater will be disposed of by:

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

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

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

☒ Sewage Collection System (Sewer Lines):

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

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

☐ The SCS was previously submitted on _____.

☐ The SCS was submitted with this application.

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

☒ The sewage collection system will convey the wastewater to the Georgetown Utility Systems - San Gabriel (name) Treatment Plant. The treatment facility is:

☒ Existing.

☐ Proposed.

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

Site Plan Requirements

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

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

Site Plan Scale: 1" = 40'.

18. 100-year floodplain boundaries:

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

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

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA Panel No. 48491C0293F, dated December 20, 2019

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

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

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

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

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

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

☐ The wells are in use and comply with 16 TAC §76.

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

21. Geologic or manmade features which are on the site:

☐ All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.

☒ No sensitive geologic or manmade features were identified in the Geologic Assessment.

☐ Attachment D - Exception to the Required Geologic Assessment. A request and justification for an exception to a portion of the Geologic Assessment is attached.

- 22. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. ☒ Areas of soil disturbance and areas which will not be disturbed.
- 24. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. ☒ Locations where soil stabilization practices are expected to occur.
- 26. ☐ Surface waters (including wetlands).
☒ N/A
- 27. ☐ Locations where stormwater discharges to surface water or sensitive features are to occur.
☒ There will be no discharges to surface water or sensitive features.
- 28. ☒ Legal boundaries of the site are shown.

Administrative Information

- 29. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- 30. ☒ Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

ATTACHMENT A
Factors Affecting Surface Water Quality

*Potential Sources of Contamination associated with this project:

1. Oil and Grease: from runoff pollutants associated with paved driving surfaces, especially around the areas of fueling operations
2. Trash and debris: from customers at the retail / convenience center
3. Construction Phase Pollutants: hydraulic fluid, machine oil, and sediment

ATTACHMENT B

PROJECT DESCRIPTION

INTRODUCTION

The proposed development known as Rivery Business Park (the “development”), located at 2006 Rivery Boulevard, Williamson County, Texas 78628 will be constructed on 3.30 acres, as conveyed to Rivery Business Park, LLC, by Deed as recorded in Document 2021026118, Official Public Records of Williamson County, Texas and managed by Rivery Business Park Condominiums Association, Inc.

The project was constructed prior to submittal of a WPAP. This summary describes the project design elements used to design / construct the project site. In this case, the term “existing” used below refers to the preconstruction conditions, and the term “proposed” refers to the currently built conditions.

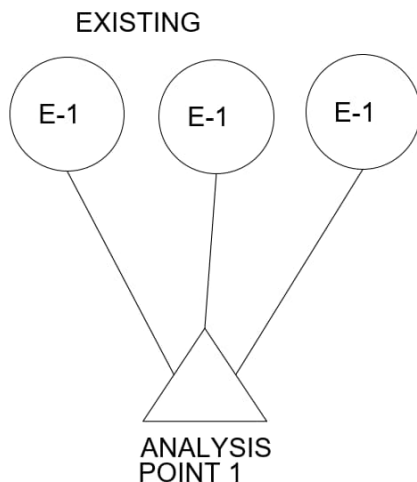
ACCESS

Access will be taken from the existing driveway off Rivery Boulevard.

STORMWATER DRAINAGE

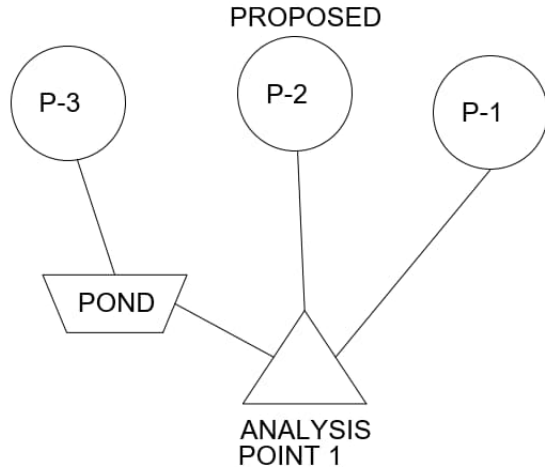
EXISTING CONDITIONS

The existing property consists of three drainage areas. Drainage area 1 discharges toward the east through an existing hotel development that was approved under previous permit. This development includes detention facilities designed under the Georgetown DCM. This area is assumed for overall basin purposes to be in the previous discharge conditions since these calculation are not available for public record. Drainage area 2 discharges over the adjoining site and into the right-of-way undetained. Drainage area 3 discharges towards the east IH 35 right-of-way by sheet flow and shallow concentrated flow. A summary of the existing area features can be found in the area listing of the existing drainage calculations.



PROPOSED DEVELOPMENT

The development will convey stormwater runoff by surface drainage to the same locations as the existing discharges. The area of flow from all three drainage areas is combined in the existing roadside ditch, which is the analysis point for both existing and proposed conditions. A proposed pond addresses the increase in drainage area 3 to reduce the proposed discharge below the existing. This area is also routed through an extended batch detention facility for water quality controls. A summary of the proposed area features can be found in the area listing of the proposed drainage calculations.



DRAINAGE SUMMARY

Utilizing the SCS method for comparison of the existing vs. proposed conditions yielded a decrease in peak discharge to both drainage areas.

EXISTING DRAINAGE SUMMARY									
Area ID	DA (ac.)	DA (mi ² .)	TC(min.)	Lag (min)	CN	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)
E-1	5.52	0.0086	7.0	4.2	73	5.1	12.9	17.8	25.6
E-2	2.65	0.0041	0.0	0.0	78	3.7	8.2	10.8	14.9
E-3	2.84	0.0044	7.0	4.2	76	3.8	8.6	11.5	16.1
Total	11.01	0.0172		Total Peak Flow		12.2	29.0	39.3	55.5

PROPOSED DRAINAGE SUMMARY									
Area ID	DA (ac.)	DA (mi ² .)	TC(min.)	Lag (min)	CN	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)
P-1	5.52	0.0086	7.0	4.2	73	5.1	12.9	17.8	25.6
P-2	2.17	0.0034	7.0	4.2	79	3.3	7.0	9.2	12.6
P-3	3.32	0.0052	5.0	3.0	94	11.8	18.4	22.1	27.6
P-3 Pond	3.32	0.0052				4.2	9.6	12.2	17.9
Total	11.01	0.0172		Total Peak Flow		12.2	29.0	38.6	55.5

ANALYSIS POINT 1 (CFS) ROUTED FLOWS				
Condition	2-year	10-year	25-year	100-year
Existing	12.2	29.0	39.3	55.5
Developed	12.2	29.0	38.6	55.5

The design of the drainage minimizes any effects on the natural and traditional character of the land and waterways; therefore, no adverse effects to the environment are anticipated due to the development.

WATER QUALITY

This development is proposing a Batch Detention BMP.

WATER AND WASTEWATER

Water will be connected to the City of Georgetown services and requires installation of two single-service lines and an extension of a public water line. Wastewater service will be connected to the City of Georgetown services and requires installation of six single-service laterals to a proposed sewer extension.

SEDIMENTATION / EROSION CONTROL / TREE SURVEY

All sedimentation / erosion controls are required and will be in accordance with the City of Georgetown and TCEQ.

CRITICAL ENVIRONMENTAL FEATURES

There are no CEF's per the include GA.

V. Temporary Stormwater Section

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.

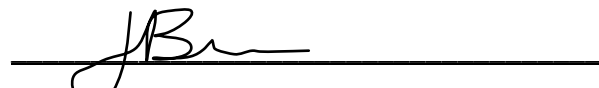
Signature

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: Joshua A. Baran

Date: 5/6/2023

Signature of Customer/Agent:



Regulated Entity Name: Rivory Business Park

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: 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

Spills will be prevented utilizing Best Management Practices previously described such as proper material storage, handling, and disposal practices. However, despite such efforts, a spill may occur on site. If a spill occurs, the following procedures will be utilized.

- ***Stop the spill, if possible.*** This can include shutting off power to a pump, righting an overturned container, or plugging a hole in a damaged container.
- ***Contain the spill, safely.*** Spill containment can be accomplished using a variety of materials and methods such as the use of absorbents (i.e. sawdust, Oil Dri, rags, soil, polypropylene pads or booms, etc.) to dike the area around the spill, or placing a leaking container inside one which is not leaking. Spill containment should only be attempted if it is safe to do so. Proper safety equipment such as gloves and eye protection should be used as directed on the Material Safety Data Sheet for the spilled material.
- ***Report the spill, if necessary.*** Certain quantities of hazardous or toxic materials such as pesticides, paint thinners, gasoline, etc. are required by Federal Law to be reported to the National Response Center (NRC) at 1-800-424-8802 as soon as you have knowledge of the spill. Since most of the quantities which require reporting to the NRC are larger than that found on a typical construction site, spill reporting to the State or Local authorities is more likely. When in doubt, report the spill.

The reporting requirements which may apply to the sites covered in this SW3P are:

Texas Commission on Environmental Quality (TCEQ)
1-800-832-8224

TCEQ requires reporting of spills of 25 gallons or greater, especially those which might impact a waterway.

- ***Clean the spill up, properly.*** Spill clean up should be performed in accordance with applicable regulations or according to the manufacturer's recommendations on the Material Safety Data Sheet. In most cases, proper spill clean up is to use a dry method such as absorbing the spill and containerize for disposal via a licensed disposal company. For non-hazardous and non-toxic materials this may be through your solid waste disposal service with prior approval.
- ***Fill in table on next page.***

The SW3P must be modified within 14 days of a release to provide a description of the spill, the circumstances leading to the spill, and the date of the spill. Spill clean-up materials, methods, and additional Best Management Practices addressing spill prevention should also be included.

[illegible]

ATTACHMENT B
Potential Sources of Contamination

*Potential Sources of Contamination associated with this project:

1. Oil and Grease: from runoff pollutants associated with paved driving surfaces, especially around the areas of fueling operations
2. Trash and debris: from customers at the retail / convenience center
3. Construction Phase Pollutants: hydraulic fluid, machine oil, and sediment

ATTACHMENT C
Sequence of Major Activities

1. Install construction fencing, stabilized construction entrance, erosion controls, and tree protection fencing per approved erosion and sedimentation control/tree protection plan. (Area Disturbed = 0.1 acres)
2. The contractor shall arrange and coordinate acceptable meeting times for an on-site pre-construction meeting with the Owner, Project Engineer, relevant contractors, and the City Environmental Inspector. The Environmental Inspector shall be contacted 72 hours prior to the required on-site preconstruction meeting.
3. Begin site clearing/demolition. Silt Fence and SCE must be installed prior and maintained during operations. (Area Disturbed = 3.3 acres)
4. Rough grade the site in accordance with plans and specifications. Silt Fence and SCE must be maintained during operations. (Area Disturbed = 3.3 acres)
5. Install utility improvements. Silt Fence and SCE must be maintained during operations. (Area Disturbed = 0.15 acres)
6. Construct Pond structure. Silt Fence and SCE must be maintained during operations. (Area Disturbed = 0.25 acres)
7. Construct building. Silt Fence and SCE must be maintained during operations.
8. Complete final grading, drainage, and pavement. Silt Fence and SCE must be maintained during operations. (Area Disturbed = 3.3 acres)
9. Hydromulch or sod all disturbed areas per landscape plan and general site cleanup. Silt Fence and SCE must be maintained during operations.
10. Final clearing of erosion and sedimentation controls and storm drain structures.
11. Project engineer inspects job and submits the Engineer's Concurrence Letter.
12. City Environmental inspector visits site and issues certificate of acceptance only if all construction is in substantial conformance to the plans.

Total Disturbed Area = 3.30 acres

*Note: Areas identified above in the sequence of construction may overlap and should not be totaled.

ATTACHMENT D

Temporary Best Management Practices and Measures

- Silt Fence – Approximately 620 linear feet of silt fence will be installed along the property line prior to the start of demolition or construction activities. The silt fence will prevent total suspended solids from leaving the site via sheet flow.
- Stabilized Construction Entrance / Exit – One Construction Entrance / Exit
- Concrete Washout Area – One concrete washout container will be used.

ATTACHMENT F

Structural Practices

Upgradient flows will be routed to bypass the proposed BMP through a proposed diversion channel. The flows from the bypassed areas are mitigated by additional storage of the proposed development areas. See drainage area maps for specific flow calculations. All on-site drainage during construction will flow through the proposed temporary BMP's.

ATTACHMENT G
DRAINAGE AREA MAPS (EXISTING AND PROPOSED)
(REFER TO CONSTRUCTION PLANS UNDER SEPARATE
COVER FOR FULL SIZE COPIES)

OWNER/ DEVELOPER:

SEVEN10 DEVELOPMENT GROUP, LLC
1625 WILLIAMS DRIVE, STE 201
GEORGETOWN, TX 78628
[TEL] (512) 508-4970

SURVEYOR:

TEXAS LAND SURVEYING, INC.
3613 WILLIAMS DRIVE, STE 903
GEORGETOWN, TX 78628
[TEL] (512) 930-1600

UTILITY SERVICE PROVIDERS:

SANITARY SEWER
CITY OF GEORGETOWN
[TEL] (512) 930-2572

WATER
CITY OF GEORGETOWN
[TEL] (512) 930-2572

STORM SEWER
CITY OF GEORGETOWN
[TEL] (512) 930-2572

ELECTRIC
CITY OF GEORGETOWN
[TEL] (512) 930-2572

GAS
ATMOS ENERGY
[TEL] (512) 419-8822

CIVIL ENGINEER/ APPLICANT

JAB ENGINEERING, LLC
4500 WILLIAMS DRIVE, SUITE 212-121
GEORGETOWN, TEXAS 78633
[TEL] (512) 779-7414



LEGAL DESCRIPTION:

3.30 ACRE TRACT OF LAND OUT OF LOT ONE OF F.T.B. COMMERCIAL NUMBER ONE, A SUBDIVISION IN WILLIAMSON COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT RECORDED UNDER CABINET L, VOLUME 224 OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS AND BEING THAT SAME TRACT CONVEYED TO SEVEN10 DEVELOPMENT GROUP, LLC IN DOCUMENT 2021026118 OF THE OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS.

FLOODPLAIN NOTE:

THE SUBJECT TRACT IS SHOWN TO BE IN FLOOD ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS IDENTIFIED BY THE FLOOD INSURANCE RATE MAP NO. 48491C0293F, DATED DECEMBER 20, 2019 (WILLIAMSON COUNTY AND INCORPORATED AREAS).

ZONING NOTE:

THIS SITE IS LOCATED WITHIN THE CITY LIMITS OF GEORGETOWN.
ZONING CLASSIFICATION: C3

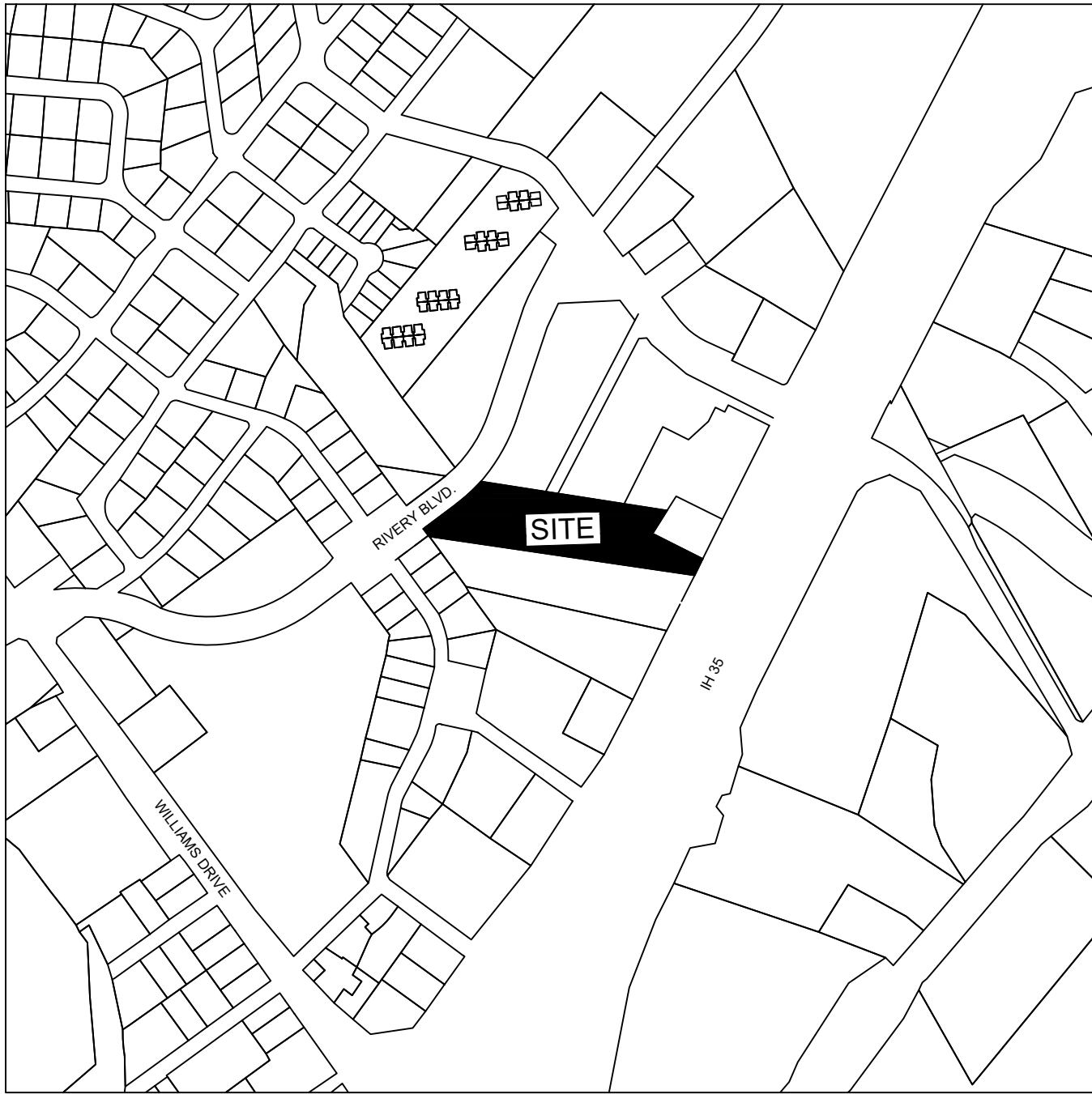
PROPOSED USE:

OFFICE / WAREHOUSE, BEING TWO NEW OFFICE BUILDINGS

SITE PLAN NOTES:

- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER, AND SUCCESSORS TO THE CURRENT PROPERTY OWNER, TO ENSURE THE SUBJECT PROPERTY AND ANY IMPROVEMENTS ARE MAINTAINED IN CONFORMANCE WITH THIS SITE DEVELOPMENT PERMIT.
- THIS DEVELOPMENT SHALL COMPLY WITH ALL STANDARDS OF THE UNIFIED DEVELOPMENT CODE (UDC), THE CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL, THE DEVELOPMENT MANUAL AND ALL OTHER APPLICABLE CITY STANDARDS.
- THIS SITE PLAN SHALL MEET THE UDC STORMWATER REQUIREMENTS.
- ALL SIGNAGE REQUIRES A SEPARATE APPLICATION AND APPROVAL FROM THE INSPECTION SERVICES DEPARTMENT. NO SIGNAGE IS APPROVED WITH THE SITE PLAN.
- SIDEWALKS SHALL BE PROVIDED IN ACCORDANCE WITH THE UDC.
- DRIVEWAYS WILL REQUIRE APPROVAL BY THE DEVELOPMENT ENGINEER OF THE CITY OF GEORGETOWN.
- OUTDOOR LIGHTING SHALL COMPLY WITH SECTION 7.04 OF THE UDC.
- SCREENING OF MECHANICAL EQUIPMENT AND PARKING SHALL COMPLY WITH CHAPTER 8 OF THE UDC. THE SCREENING IS SHOWN ON THE LANDSCAPE AND ARCHITECTURAL PLANS, AS APPLICABLE. NO DUMPSTERS ARE PROPOSED WITH THIS DEVELOPMENT.
- THE COMPANION LANDSCAPE PLAN HAS BEEN DESIGNED AND PLANT MATERIALS SHALL BE INSTALLED TO MEET ALL REQUIREMENTS OF THE UDC.
- ALL MAINTENANCE OF REQUIRED LANDSCAPE SHALL COMPLY WITH THE MAINTENANCE STANDARDS OF CHAPTER 8 OF THE UDC.
- A SEPARATE IRRIGATION PLAN SHALL BE REQUIRED AT THE TIME OF BUILDING PERMIT APPLICATION.
- FIRE FLOW REQUIREMENTS OF 1,500 GALLONS PER MINUTE ARE BEING MET BY THIS PLAN.
- ANY HERITAGE TREE AS NOTED ON THIS SITE PLAN IS SUBJECT, IN PERPETUITY, TO THE MAINTENANCE, CARE, PRUNING AND REMOVAL REQUIREMENTS OF THE UNIFIED DEVELOPMENT CODE.
- THE CONSTRUCTION PORTION OF THESE PLANS WERE PREPARED, SEALED, SIGNED AND DATED BY A TEXAS LICENSED PROFESSIONAL ENGINEER. THEREFORE, BASED ON THE ENGINEERS CONCURRENCE OF COMPLIANCE, THE CONSTRUCTION PLANS FOR CONSTRUCTION OF THE PROPOSED PROJECT ARE HEREBY APPROVED SUBJECT TO THE STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS MANUAL AND ALL OTHER APPLICABLE CITY, STATE AND FEDERAL REQUIREMENTS AND CODES.
- THIS PROJECT IS SUBJECT TO ALL CITY STANDARD SPECIFICATIONS AND DETAILS IN EFFECT AT THE TIME OF SUBMITTAL OF THE PROJECT TO THE CITY.
- THE PROPERTY SUBJECT TO THIS APPLICATION IS SUBJECT TO THE WATER QUALITY REGULATIONS OF THE CITY OF GEORGETOWN.
- A GEOLOGIC ASSESSMENT, IN ACCORDANCE WITH THE CITY OF GEORGETOWN WATER QUALITY REGULATIONS, WAS COMPLETED ON APRIL 16, 2021. ANY SPRINGS AND STREAMS AS IDENTIFIED IN THE GEOLOGIC ASSESSMENT ARE SHOWN HEREIN.
- WHERE NO EXISTING OVERHEAD INFRASTRUCTURE EXISTS, UNDERGROUND ELECTRIC UTILITY LINES SHALL BE LOCATED ALONG THE STREET AND WITHIN THE SITE. WHERE EXISTING OVERHEAD INFRASTRUCTURE IS TO BE RELOCATED, IT SHALL BE RE-INSTALLED UNDERGROUND AND THE EXISTING FACILITIES SHALL BE REMOVED AT THE DISCRETION OF THE DEVELOPMENT ENGINEER.
- ALL ELECTRIC AND COMMUNICATION INFRASTRUCTURE SHALL COMPLY WITH UDC SECTION 13.06.

SITE DEVELOPMENT PLAN (2021-28-SDP) RIVERY BUSINESS PARK AT 2006 RIVERY BOULEVARD GEORGETOWN, TX 78628



N
SCALE: 1" = 500'

INITIAL SUBMITTAL DATE:

APRIL 19, 2021

RE-SUBMITTAL DATE:

DECEMBER 19, 2022



Approved for construction by the City of
Georgetown Planning & Zoning Commission on:

February 7, 2023

This SDP will expire 24 months from the date of
approval if the applicable conditions of UDC
Section 3.09.090 are not met.

SHEET INDEX:

C.01	(1 OF 26)	COVER SHEET
C.02	(2 OF 26)	EXISTING SURVEY & DEMO PLAN
C.03	(3 OF 26)	SITE PLAN
C.04	(4 OF 26)	ARCHITECTURAL PLAN (BLDG. 1)
C.05	(5 OF 26)	ARCHITECTURAL PLAN (BLDG. 2)
C.06	(6 OF 26)	LIGHTING PLAN
C.07	(7 OF 26)	LANDSCAPE PLAN
C.08	(8 OF 26)	LANDSCAPE PLAN NOTES
C.09	(9 OF 26)	TREE PRESERVATION PLAN
C.10	(10 OF 26)	UTILITY PLAN
C.11	(11 OF 26)	WWL PLAN / PROFILE
C.12	(12 OF 26)	WWL PLAN / PROFILE
C.13	(13 OF 26)	GRADING PLAN
C.14	(14 OF 26)	EXISTING DRAINAGE AREA MAP
C.15	(15 OF 26)	PROPOSED DRAINAGE AREA MAP
C.16	(16 OF 26)	DETENTION / WATER QUALITY PLAN
C.17	(17 OF 26)	TCEQ CALCULATIONS
C.18	(18 OF 26)	E/S CONTROL PLAN
C.19	(19 OF 26)	GENERAL NOTES
C.20	(20 OF 26)	TCEQ NOTES
C.21	(21 OF 26)	DETAILS
C.22	(22 OF 26)	DETAILS
C.23	(23 OF 26)	DETAILS
C.24	(24 OF 26)	DETAILS
C.25	(25 OF 26)	DETAILS
C.26	(26 OF 26)	FINAL PLAT

SITE INFORMATION

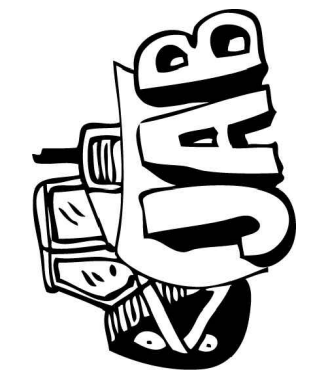
ZONING	C3, GATEWAY / HIGHWAY OVERLAY		
PROPOSED USE	OFFICE / WAREHOUSE		
BUILDING (SQUARE FEET)	OFFICE	WAREHOUSE	TOTAL
BUILDING 1	14,650 SF	5,500 SF	20,150 SF
BUILDING 2	11,750 SF	4,400 SF	16,150 SF
TOTAL	26,400 SF	9,900 SF	35,300 SF
PARKING REQUIRED (SPACES)	(1:300)	(1:2500)	TOTAL
BUILDING 1	49	3	52
BUILDING 2	40	2	42
TOTAL	89	5	94
PARKING PROVIDED (SPACES)	95 SPACES		
STANDARD	95 SPACES		
HANDICAP / VAN ACCESSIBLE	4 SPACES		
TOTAL	99 SPACES		
SITE DATA			
AREA (ACRES)	3.30 AC		
AREA (SQUARE FEET)	143,724 SF		

IMPERVIOUS COVER CALCULATIONS

TOTAL AREA	3.30 AC
TOTAL IMPERVIOUS AREA ALLOWED (70%)	100,607 SF
BUILDING IMPERVIOUS COVER	36,300 SF
SIDEWALK IMPERVIOUS COVER	2,750 SF
PAVEMENT IMPERVIOUS COVER	58,379 SF
TOTAL IMPERVIOUS AREA PROPOSED (47.8%)	97,429 SF

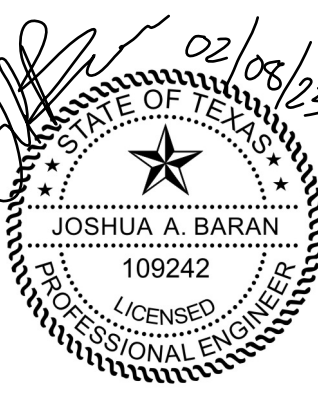


JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



RIVERY
BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

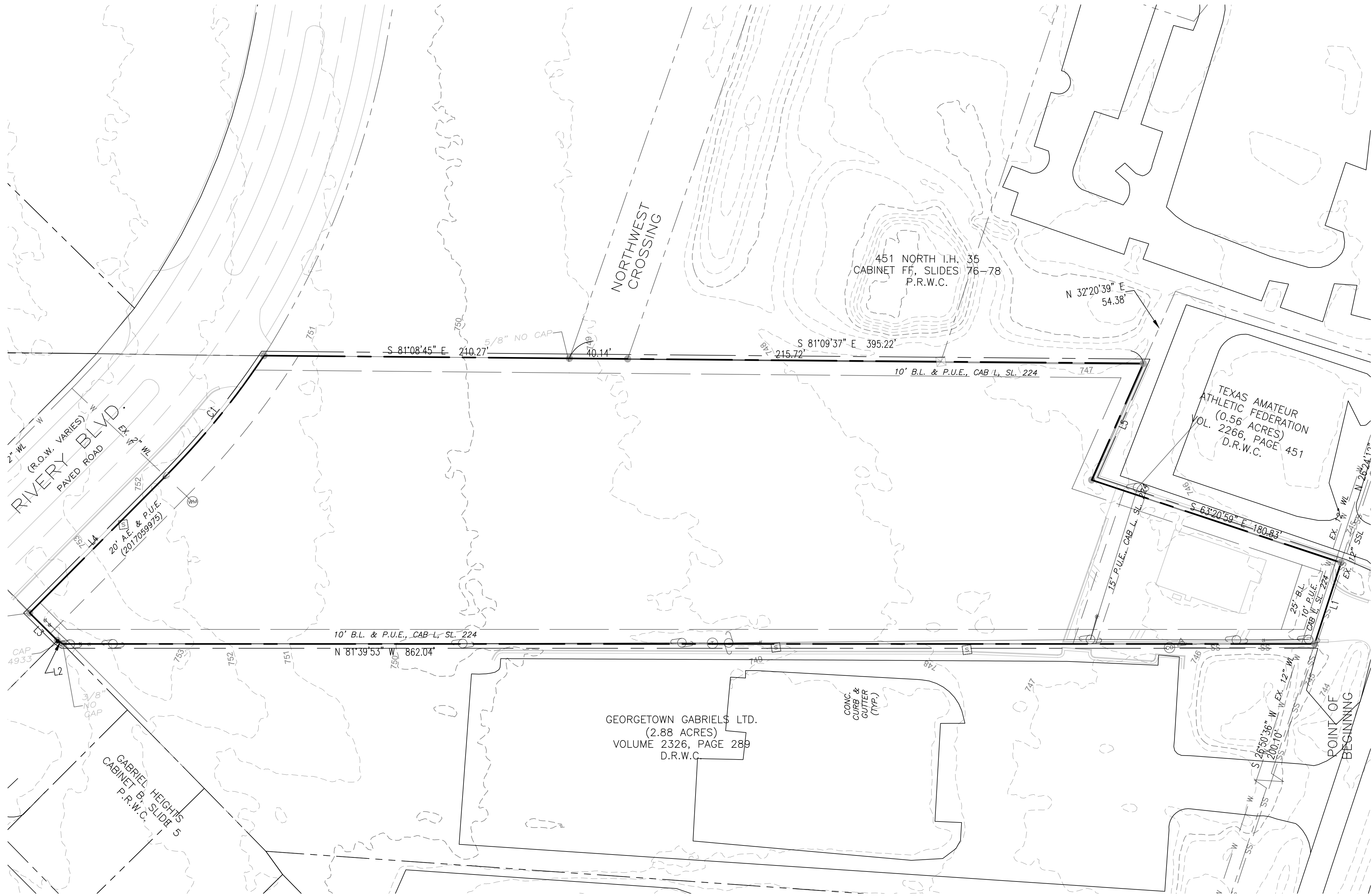
COVER



Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.01

Sheet 1 OF 26
2021-28-SDP



LEGEND:

PROPERTY LINE _____

LOT LINE _____

EASEMENT LINE _____

EXISTING EDGE OF PAVEMENT _____

EXISTING OVERHEAD ELECTRIC LINE _____

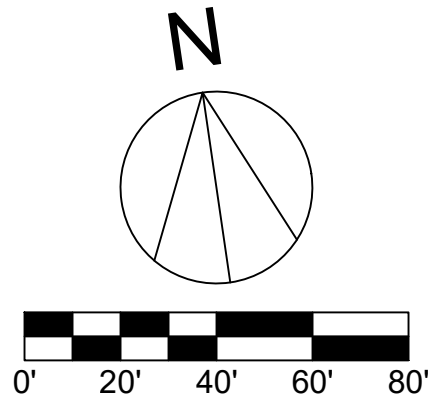
PROPOSED FIRE LANE _____

PROPOSED SCREEN FENCE _____

LIMITS OF CONSTRUCTION _____ L.O.C. _____

ACCESSIBLE ROUTE _____

EXISTING HERITAGE TREE DRIP LINE (Circled symbol)



LINE TABLE		
NUMBER	DIRECTION	DISTANCE
L1	S 26°14'00" W	58.92'
L2	N 48°41'24" W	4.47'
L3	N 36°54'49" W	26.80'
L4	N 53°08'04" E	133.46'
L5	S 32°14'01" W	87.75'

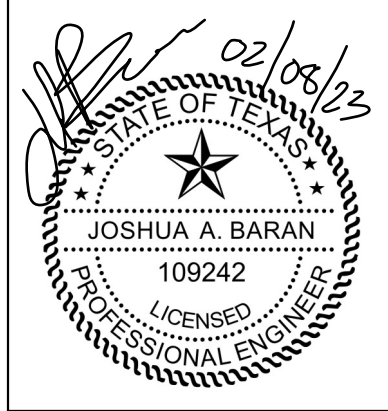
CURVE TABLE				
NUMBER	DELTA	RADIUS	ARC	CHORD
C1	11°11'21"	546.07'	106.64'	106.47'

Revisions		Date	No.
App.			

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com

RIVERY BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

EXISTING SURVEY & DEMO PLAN

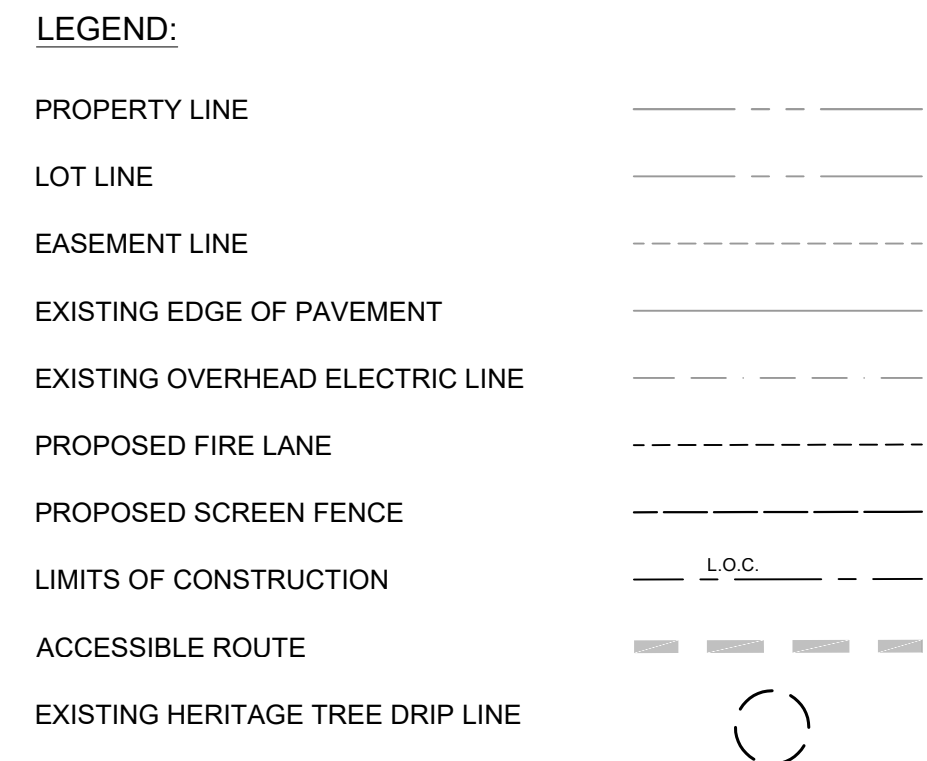


Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.02

Sheet 2 OF 26
2021-28-SDP





SITE INFORMATION			
ZONING	C3, GATEWAY / HIGHWAY OVERLAY		
PROPOSED USE	OFFICE / WAREHOUSE		
BUILDING (SQUARE FEET)	OFFICE	WAREHOUSE	TOTAL
BUILDING 1	13,900 SF	5,000 SF	18,900 SF
BUILDING 2	11,150 SF	4,000 SF	15,150 SF
TOTAL	25,050 SF	9,000 SF	34,050 SF
PARKING REQUIRED (SPACES)	(1:300)	(1:2500)	TOTAL
BUILDING 1	47	2	49
BUILDING 2	38	2	40
TOTAL	85	4	89
PARKING PROVIDED (SPACES)	OFFICE	WAREHOUSE	TOTAL
STANDARD	91	4	95
HANDICAP / VAN ACCESSIBLE	4	0	4
TOTAL	95	4	99
SITE DATA			
AREA (ACRES)	3.30 AC		
AREA (SQUARE FEET)	143,724 SF		

IMPERVIOUS COVER CALCULATIONS	
TOTAL AREA	3.30 AC
TOTAL IMPERVIOUS AREA ALLOWED (70%)	100,607 SF
BUILDING IMPERVIOUS COVER	34,050 SF
SIDEWALK IMPERVIOUS COVER	2,750 SF
PAVEMENT IMPERVIOUS COVER	60,859 SF
TOTAL IMPERVIOUS AREA PROPOSED (67.95%)	97,659 SF

LINE TABLE		
NUMBER	DIRECTION	DISTANCE
L1	S 26°14'00" W	58.92'
L2	N 48°41'24" W	4.47'
L3	N 36°54'49" W	26.80'
L4	N 53°08'04" E	133.46'
L5	N 32°14'01" W	87.75'

CURVE TABLE					
NUMBER	DELTA	RADIUS	ARC	CHORD	DIRECTION
C1	11°11'12"	546.07'	106.64'	106.47'	N 47°32'49" E

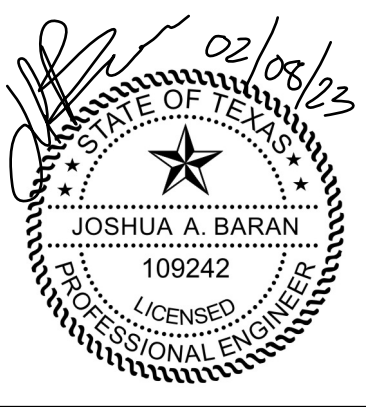
- NOTES:
- | | | |
|--|--|--|
| <p>1. WATER AND WASTEWATER SERVICE TO BE PROVIDED BY THE CITY OF GEORGETOWN.</p> <p>2. ALL FIRE DEPARTMENT ACCESS DRIVES/ROADS TO HAVE A MINIMUM 14"0" VERTICAL CLEARANCE AND MAXIMUM SLOPE OF 15% IN ANY DIRECTION.</p> <p>3. ALL PARKING SPACES SHALL HAVE A 7'-0" VERTICAL CLEARANCE.</p> <p>4. EVERY HANDICAP ACCESSIBLE PARKING SPOT SHALL BE IDENTIFIED BY A SIGN CENTERED 5 FEET ABOVE THE PARKING SURFACE, AT THE HEAD OF THE PARKING SPACE. THE SIGN MUST INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND STATE RESERVED, OR EQUIVALENT LANGUAGE. SUCH SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE AND SHALL MEET THE CRITERIA SET FORTH IN THE UBC, 3108(C) AND ANSI A117.1-1986-6.2. (SEE DETAIL). REFER TO ARCHITECTURAL ADA SHEET FOR MORE INFORMATION.</p> <p>5. CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.</p> <p>6. SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP.</p> <p>7. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 INCHES.</p> <p>8. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50.</p> <p>9. 5' X 5' LANDINGS ARE REQUIRED AT ALL CHANGES IN DIRECTION. LANDINGS SHALL NOT HAVE A SLOPE OF GREATER THAN 1:50 IN ANY DIRECTION.</p> <p>10. GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT.</p> <p>11. REFER TO DETAILS FOR PAVEMENT SECTIONS.</p> | <p>11. ALL CURBS AND CURB ENDS SHALL BE PAINTED RED WITH FOUR-INCH WHITE LETTERING STATING "FIRE LANE—TOW AWAY ZONE". THE WORDS "FIRE LANE" BY THEMSELVES ARE NOT ACCEPTABLE. WORDING MAY NOT BE SPACED MORE THAN 30 FEET APART.</p> <p>12. CONTRACTOR SHALL SAW CUT AND REMOVE 1' OF EXISTING PAVEMENT AND PROVIDE A SMOOTH TRANSITION FROM EXISTING PAVEMENT TO PROPOSED PAVEMENT. COORDINATE CONSTRUCTION WITHIN THE ROW WITH TXDOT PER THE DRIVEWAY PERMIT.</p> <p>13. COORDINATE LOCATION, SIZE AND TYPE OF LIGHTING WITH MEP AND BUILDING PLANS.</p> <p>14. SECURITY FENCE AND GATES SHALL BE DESIGN BUILD AND SHALL BE COORDINATED BETWEEN OWNER AND CONTRACTOR. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PROPOSED SECURITY FENCE AND GATES TO ENGINEER AND OWNER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. VERIFY UNDERGROUND UTILITIES PRIOR TO FENCE POST PLACEMENT.</p> <p>15. EDGE LINES PAINTED SINGLE WHITE SOLID LINE4" WITH INSIDE STRIPING PAINTED SINGLE WHITE SOLID LINE4" AT 30' O.C. 45 DEGREES TO EDGE LINES.</p> <p>16. SITE SURVEY PROVIDED BY OTHERS DOES NOT INCLUDE REFERENCE TO TEMPORARY OR PERMANENT BENCHMARKS NEAR THE SITE. CONTRACTOR SHALL VERIFY EXISTING TOPOGRAPHY AND THE LOCATION/ELEVATION OF THE SITE IMPROVEMENTS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED.</p> | <p>17. ALL LIGHTING FIXTURES SHALL BE DESIGNED TO COMPLETELY CONCEAL AND FULLY SHIELD, WITHIN AN OPAQUE HOUSING, THE LIGHT SOURCE FROM VISIBILITY FROM ANY STREET RIGHT-OF-WAY. THE CONE OF LIGHT SHALL NOT CROSS ANY ADJACENT PROPERTY LINE. THE ILLUMINATION SHALL NOT EXCEED 2 FOOT CANDLES AT THE HEIGHT OF THREE FEET AT THE PROPERTY LINE. ONLY INCANDESCENT, FLUORESCENT, COLORED OR CORRECTED HIGH PRESSURE SODIUM OR METAL HALIDE MAY BE USED. ALL VEHICLE OR PEDESTRIAN ACCESS SHALL BE SUFFICIENTLY LIGHTED TO ENSURE SECURITY OF PROPERTY AND PERSONS.</p> <p>18. ALL ROOF, WALL AND GROUND MOUNTED MECHANICAL EQUIPMENT MUST BE SCREENED IN ACCORDANCE WITH SECTION 8 OF THE UDC. IF ROOF AND WALL MOUNTED EQUIPMENT OF ANY TYPE INCLUDING DUCT WORK AND LARGE VENTS IS PROPOSED IT SHALL BE SHOWN ON THE SITE PLAN AND SCREENING IDENTIFIED. SCREENING OF MECHANICAL EQUIPMENT SHALL RESULT IN THE MECHANICAL EQUIPMENT BLENDING IN WITH THE PRIMARY BUILDING AND NOT APPEARING SEPARATE FROM THE BUILDING AND SHALL BE SCREENED FROM VIEW OF ANY RIGHTS-OF-WAY OR ADJOINING PROPERTIES.</p> <p>19. PER CHAPTER 8, THE DUMPSTER ENCLOSURES MUST BE ONE (1) FOOT ABOVE THE TOP OF THE WASTE CONTAINER. USE PROTECTIVE POLYETHYLENE CORNERS AND AT CONTACT AREAS, FENCE POSTS OF RUST PROTECTED METAL OR CONCRETE. A MINIMUM 6" SLAB IS REQUIRED AND MUST BE SLOPED TO DRAIN; THE ENCLOSURE MUST HAVE STEEL FRAMED GATES WITH SPRING LOADED HINGES AND FASTENERS TO KEEP CLOSED. SCREENING MUST BE ON ALL FOUR SIDES BY MASONRY WALL OR APPROVED FENCE OR SCREENING WITH OPAQUE GATES.</p> |
|--|--|--|

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



**RIVERY
BUSINESS PARK**
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78626

DIMENSIONAL SITE PLAN

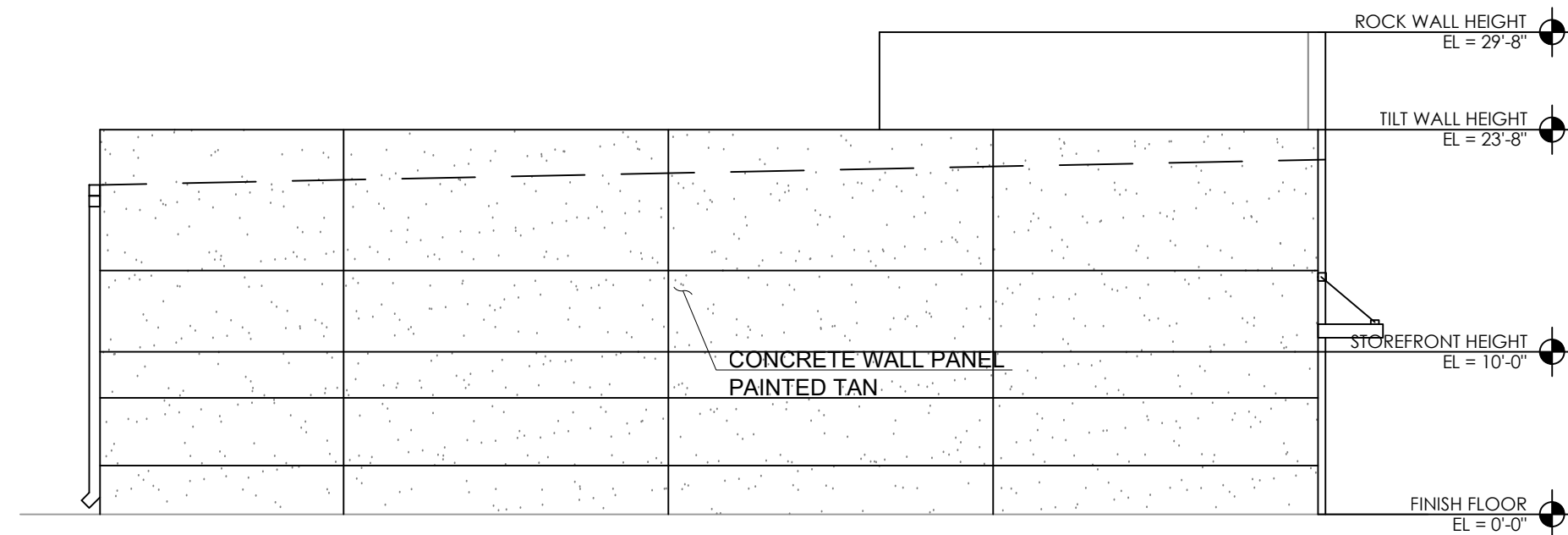


Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB

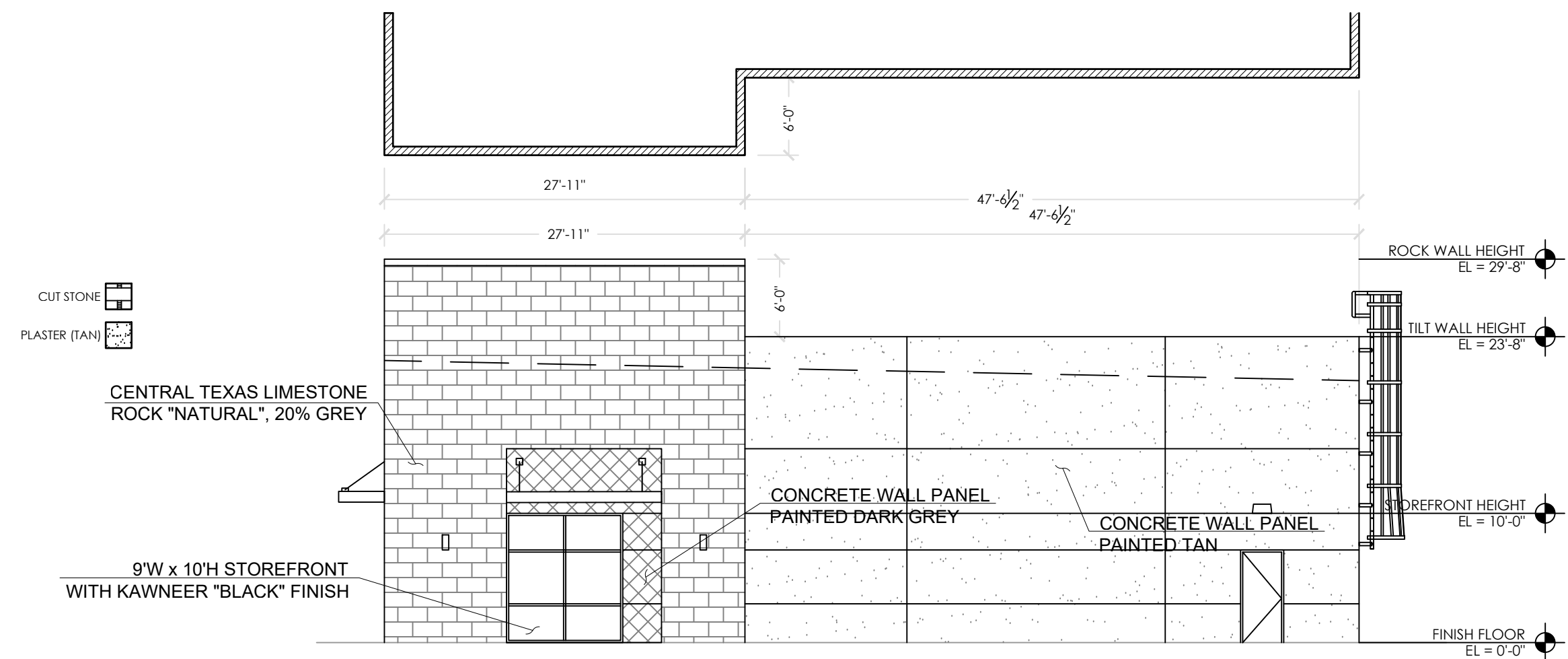
C.03

Sheet 3 OF 26
2021-28-SDP

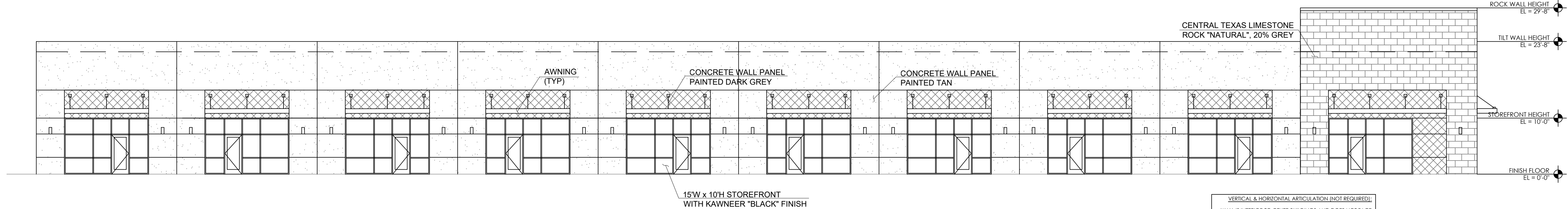




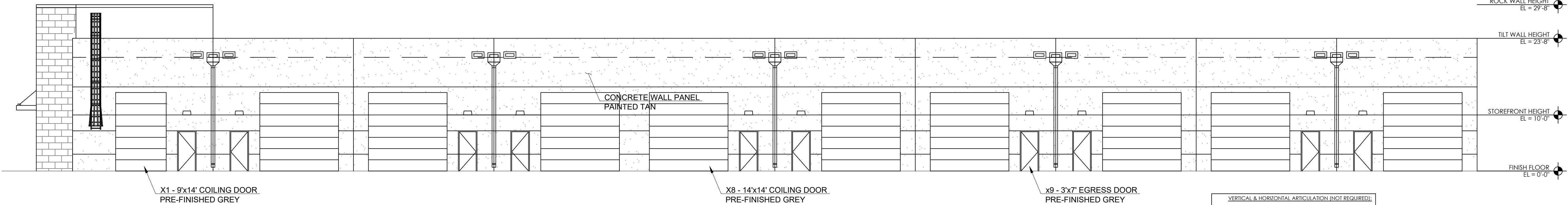
EAST ELEVATION
1/8" = 1'-0"



WEST ELEVATION
1/8" = 1'-0"



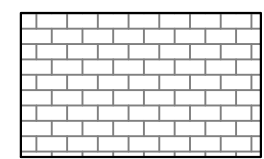
NORTH ELEVATION
1/8" = 1'-0"



SOUTH ELEVATION
1/8" = 1'-0"

- NOTES:
- ALL SIGNAGE REQUIRES A SEPARATE APPLICATION AND FROM THE BUILDING INSPECTIONS DEPARTMENT. NO SIGNAGE IS APPROVED WITH THE SITE DEVELOPMENT PLAN.
 - COLOR SELECTION IS NOT APPROVED WITH THE SITE DEVELOPMENT PLAN AND MAY BE COUNTED TOWARD THE SIGNAGE CALCULATION IF IT IS FOUND TO REFLECT COLOR THAT IS CONSIDERED SIGNAGE ACCORDING TO THE DEFINITION OF SIGNAGE IN THE UDC.
 - THIS SITE DEVELOPMENT PLAN SHALL MEET ALL DESIGN STANDARDS FOR ARTICULATION, BUILDING DESIGN, ELEMENTS AND ARCHITECTURAL FEATURES OF SECTION 7.03 OF THE UDC.
 - ALL ROOF, WALL AND GROUND MOUNTED MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE SCREENED USING THE FOLLOWING METHODS:
 - HVAC EQUIPMENT WILL BE SCREENED BY THE PARAPET WALL
 - ELECTRICAL TRANSFORMER WILL BE SCREENED BY VEGETATION ALONG THE SOUTHERN PROPERTY BOUNDARY
 - FOUNDATION IS CONCRETE SLAB ON GRADE.
 - ROOF IS TO BE TPO, WHITE COLOR.

MATERIAL PERCENTAGE CALCULATIONS								
ELEVATION	PLASTER	PERCENTAGE	CUT STONE	PERCENTAGE	GLAZING	PERCENTAGE	OTHER	PERCENTAGE
EAST	306	38%	260	32%	246	30%	0	0%
SOUTH	357	35%	397	39%	142	14%	115	11%
WEST	663	91%	26	4%	39	5%	0	0%
NORTH	589	54%	285	26%	215	20%	0	0%
TOTAL	1915	53%	968	27%	642	18%	115	3%



- DUMPSTER SCREEN FENCE ELEVATION (TYP.)
- CMU WITH SMOOTH PLASTER
 - MATCH PAINTED "TAN" COLOR TO BUILDING
 - 6' TALL HEIGHT MINIMUM
 - SEE PLAN FOR LOCATION
 - SWING GATES TO BE SOLID

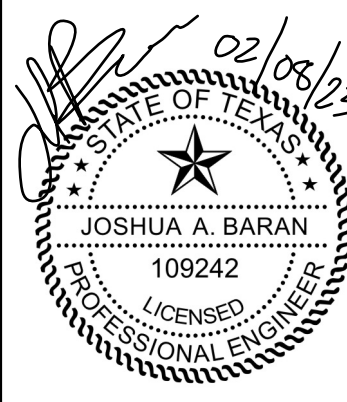


JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



RIVERY
BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

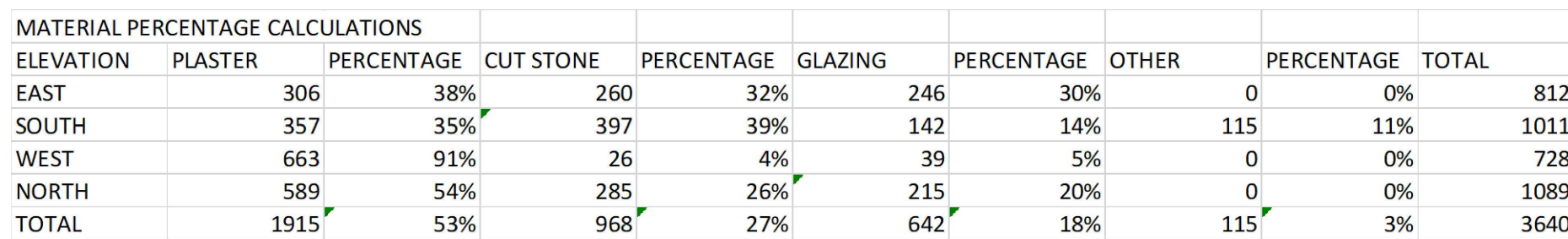
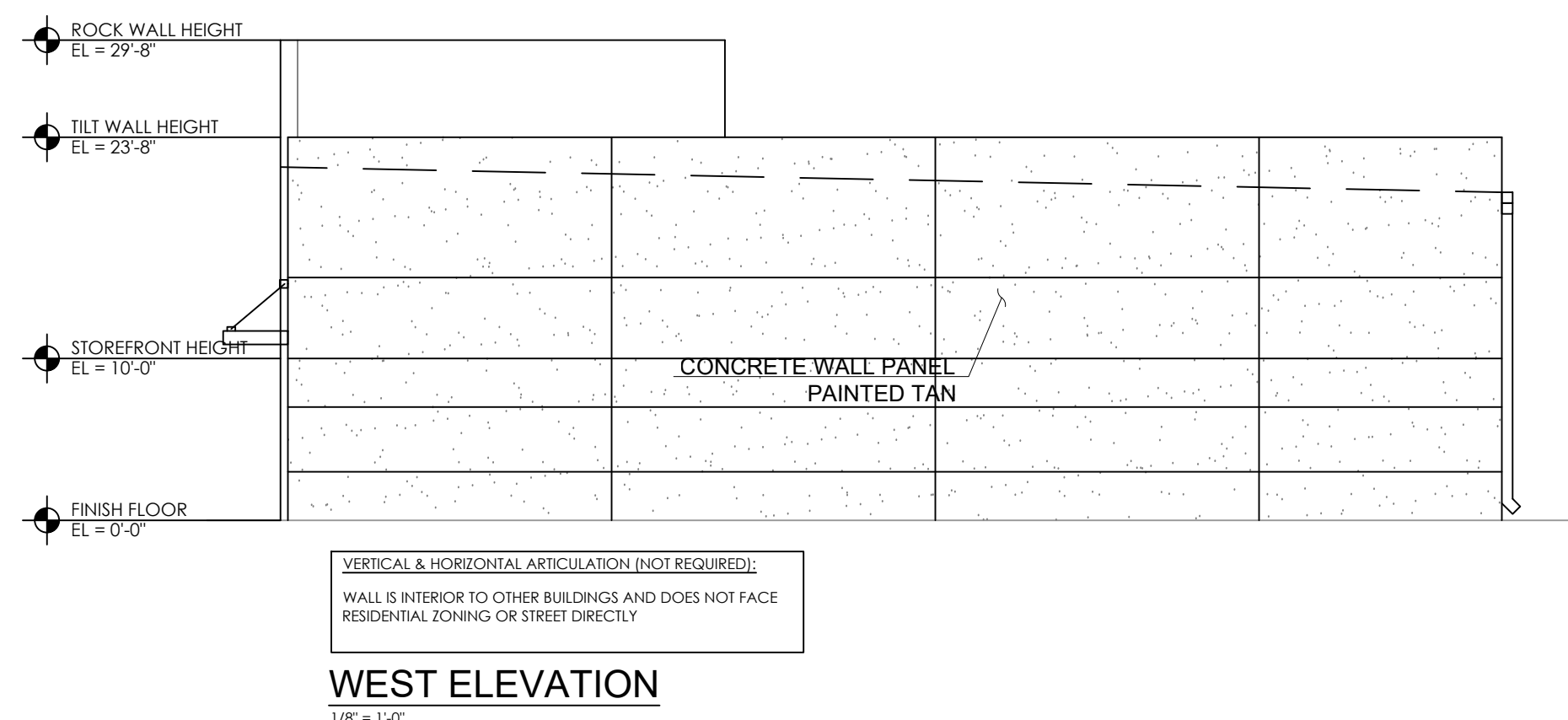
ARCHITECTURAL
PLAN
BUILDING 2006-1



Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.04

Sheet 4 OF 26
2021-28-SDP

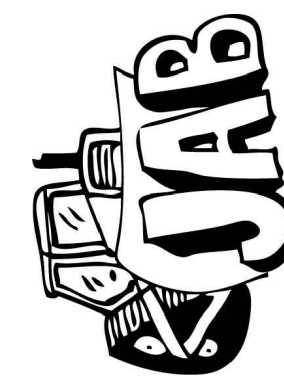


DUMPSTER SCREEN FENCE ELEVATION (TYP.)

- CMU WITH SMOOTH PLASTER
- MATCH PAINTED "TAN" COLOR TO BUILDING
- 6' TALL HEIGHT MINIMUM
- SEE PLAN FOR LOCATION
- SWING GATES TO BE SOLID

[illegible]

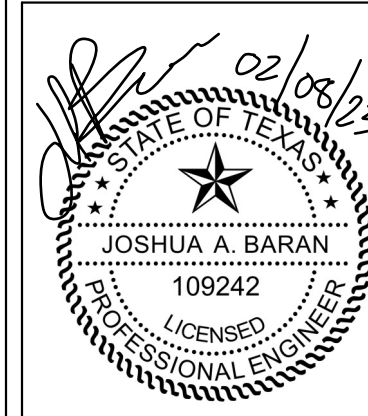
JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



**RIVERY
BUSINESS PARK**

2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

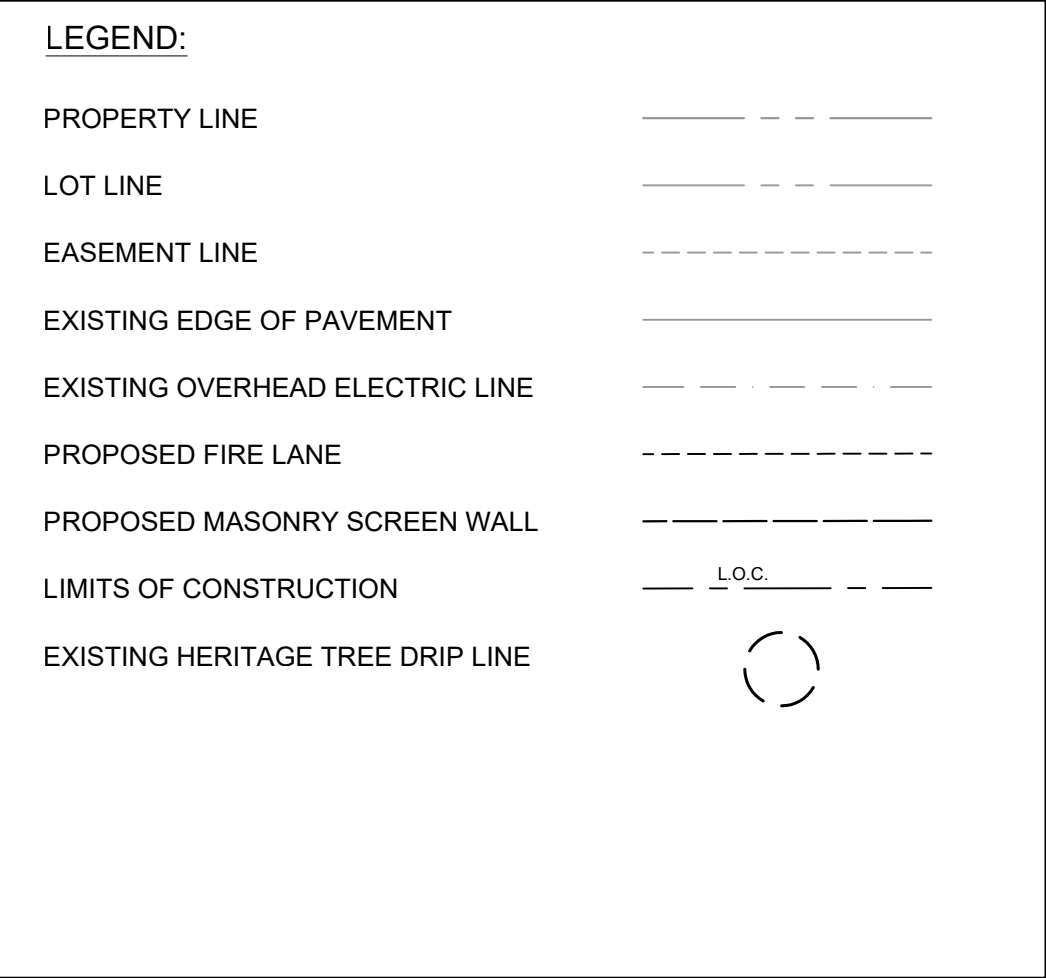
ARCHITECTURAL
PLAN
BUILDING 2006-2



Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB

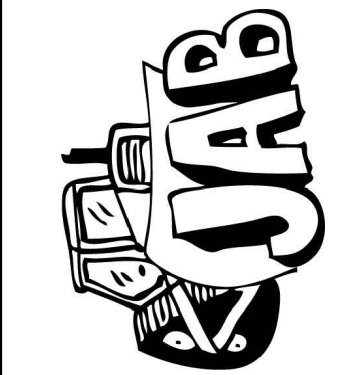
C.05

Sheet 5 OF 26
2021-28-SDP



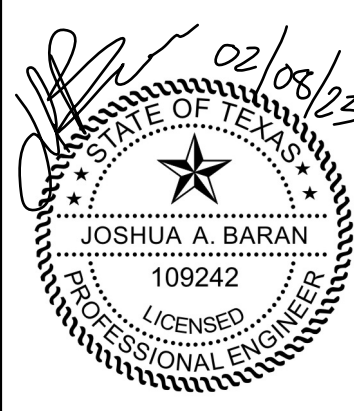
- 15 TOTAL LITHONIA LIGHTING - WALL PACK
DSXW2-LED-30C-1000-50K-TFTM-MVOLT

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



**RIVERY
BUSINESS PARK**
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

LIGHTING PLAN



Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB

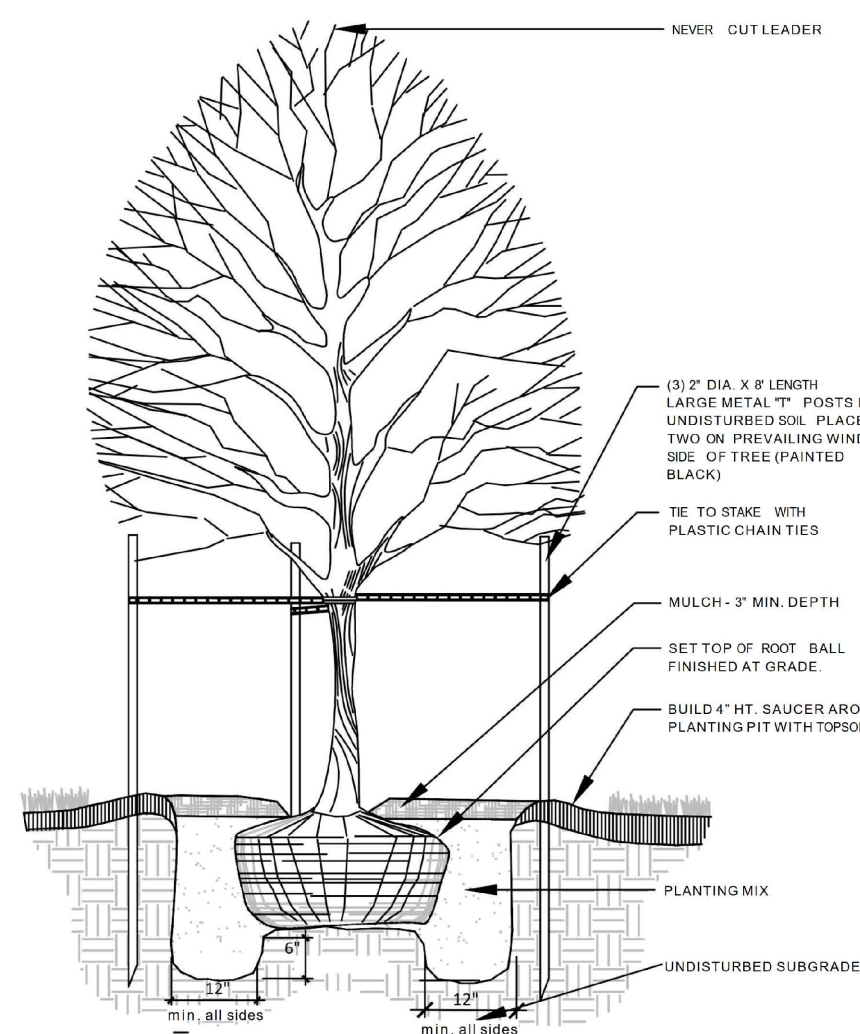
C.06

Sheet 7 OF 26

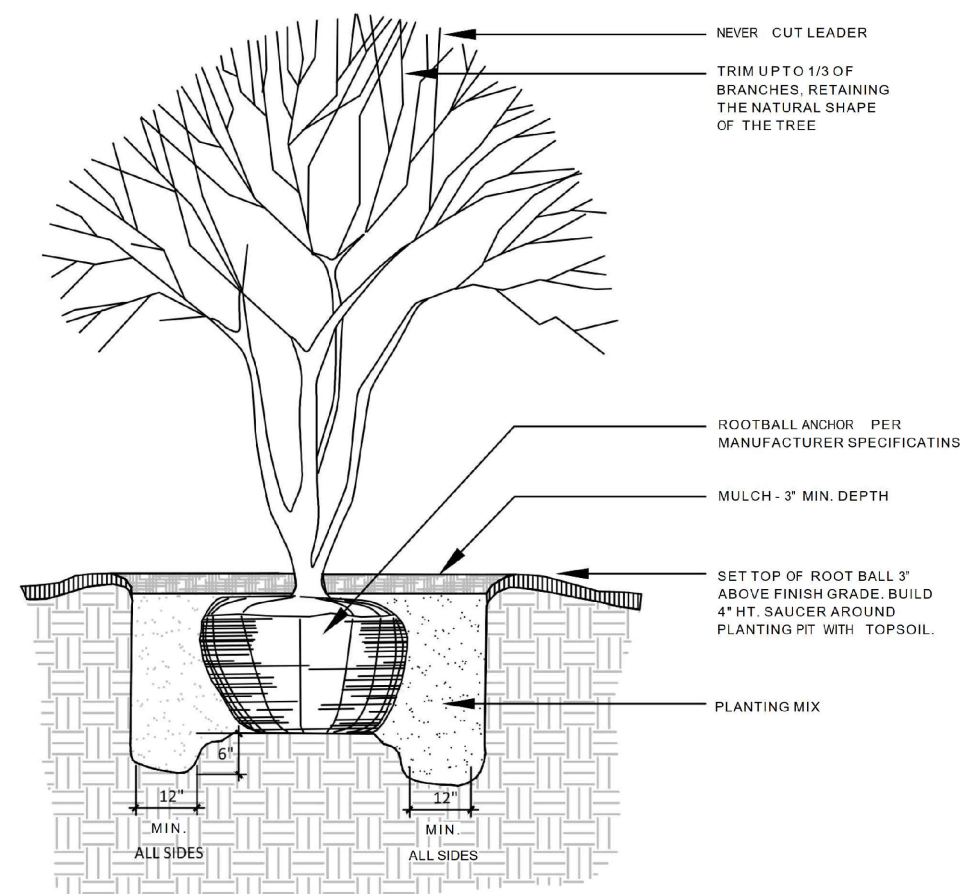
2021-28-SDP



2. Complete all landscape planting and related earthwork including all products, equipment and labor, for the landscape areas shown on the drawing and described in the specifications.
3. All questions should be referred to the project landscape architect.
4. Information provided on this plan is general in nature. Dimensions, locations and areas are approximate and should be field verified prior to bidding & installation.
5. All quantities of plant materials are approximate. Actual installed quantities of plant materials may vary from the plan and should be field determined according to the given spacing and field conditions. Discrepancies between field conditions and n the plan which limit the quantities of plants to be installed shall be the responsibility of the contractor.
6. By bidding, the contractor acknowledges that he/she has satisfied himself/herself as to the nature and location of work and to the quality of surface and subsurface materials or obstacles insofar as this data is reasonably ascertainable from an inspection of the site and the information provided on the plan. The contractor shall be responsible for obtaining all information and for relieving him/her from responsibility for estimating properly the difficulty of work or of successfully performing the work as described.
7. Installation of all landscape must be coordinated with the installation of related irrigation, site work, and grading.
8. Every planting of all material at all measured planting locations shall be installed in accordance with the plan.
9. Establishment of plant species, sizes, or other specified materials will not be allowed without prior approval by the project landscape architect.
10. Plant material in a 6' x 12' layout must be approved by the project landscape architect prior to installation.
11. All trees and shrubs shall be planted in the ground and placed in the ground within the punch-list inspection period.
12. Tags are to be removed prior to final acceptance, or upon request of the project landscape architect.
13. Seed mix/sod soil will be applied to all construction-damaged ground surfaces not otherwise planted. Contractor shall review related specifications for seeding and sodding and coordinate with the project landscape architect to determine the contractor to determine actual areas of seeding required, including areas disturbed by utility extensions.
14. Seeding shall be done in accordance with the specifications. Seeding shall be done in accordance with the specifications.
15. All planting beds indicated will be irrigated with an underground automatic irrigation irrigation contractor is to be a state of Texas licensed irrigator, and is to follow all TCEC codes and regulations. Contractor is responsible for providing as-built drawings and specifications for irrigation system.
16. All seeding areas disturbed by construction shall temporarily irrigated or sprinkled in a manner that will not erode the topsoil, but will sufficiently soak the soil to a depth of six inches. The irrigation shall stop at ten-day intervals during the first two months. Rainfall shall be sufficient to keep the soil moist. Seeding shall be done in accordance with the specifications. Seeding shall be done in accordance with the specifications.
17. All seeding areas disturbed by construction shall temporarily irrigated or sprinkled in a manner that will not erode the topsoil, but will sufficiently soak the soil to a depth of six inches. The irrigation shall stop at ten-day intervals during the first two months. Rainfall shall be sufficient to keep the soil moist. Seeding shall be done in accordance with the specifications. Seeding shall be done in accordance with the specifications.
18. Regular maintenance shall be required for all areas of the landscape. Maintenance shall include a vigorous program of weeding, from diseases, pest control, and mulch, and litter. This maintenance shall include weeding, watering, fertilization, pruning, mowing, edging, mulching or other needed maintenance, in accordance with generally accepted horticultural practices until the project work has been accepted by the project landscape architect.
19. The owners of the landscaped property, or its manager or agent, the owner, shall be responsible for the maintenance of all landscape areas. Said areas shall be maintained so as to present a healthy, neat and orderly appearance at all times and shall be kept free of weeds, debris and litter. The contractor shall be responsible for the maintenance of the landscape areas during the construction period.
20. The contractor shall be responsible for the maintenance of the landscape areas during the construction period. The contractor shall be responsible for the maintenance of the landscape areas during the construction period.
21. All parking lot landscape islands will have a 6" crown above the top of curb.

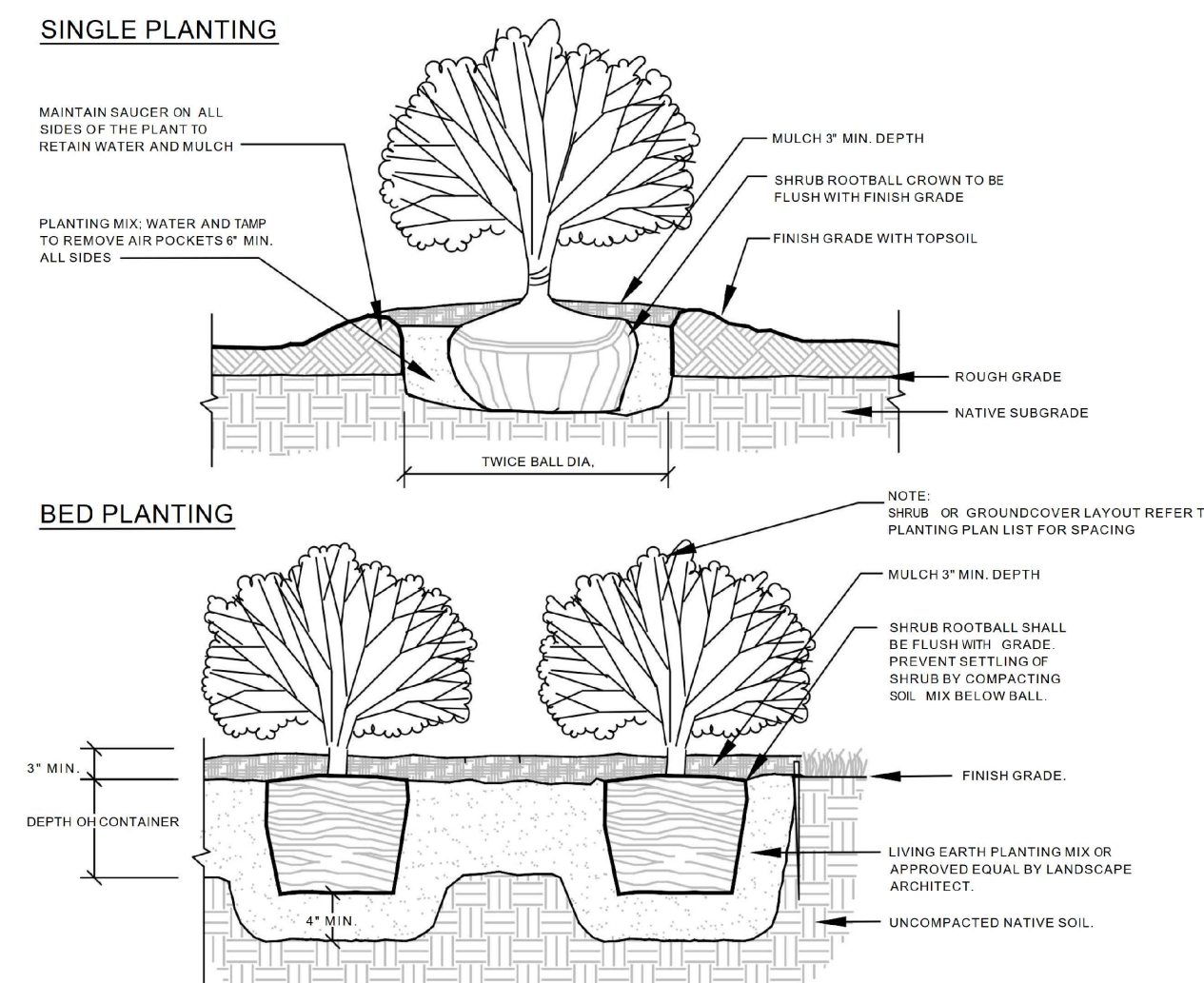


NOT TO SCALE

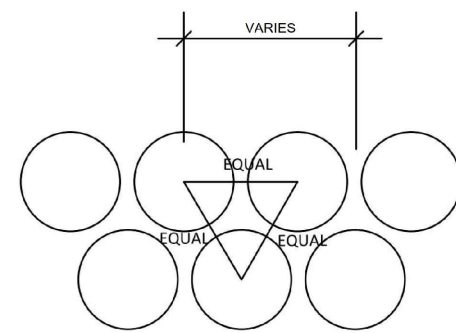


NOT TO SCALE

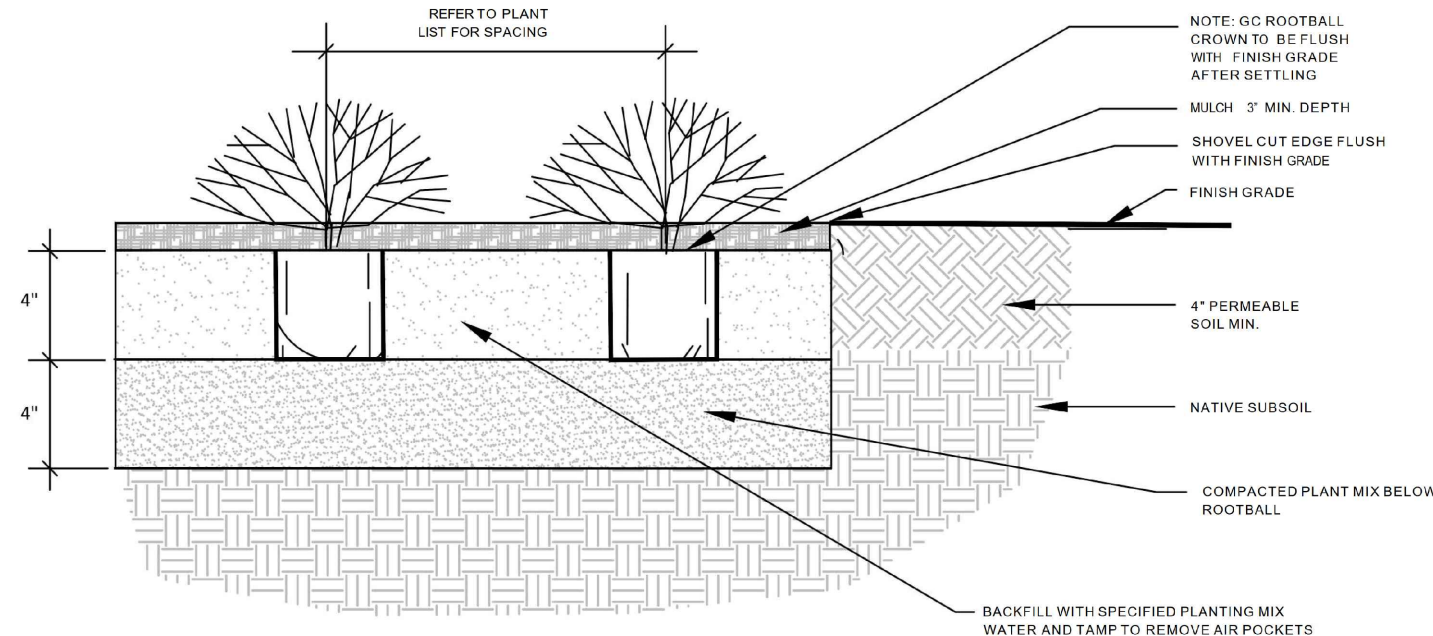
MAINTAIN SAUCER ON ALL
SIDES OF THE PLANT TO



NOT TO SCALE



NOT TO SCALE



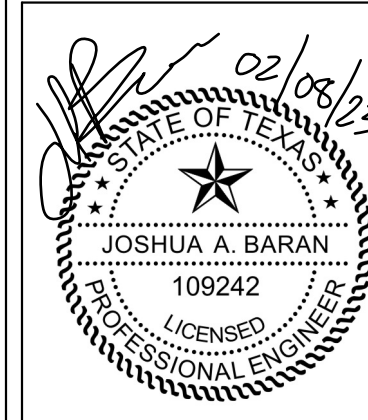
NOT TO SCALE

[illegible]

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



**RIVERY
BUSINESS PARK**
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78626

LANDSCAPE
NOTES

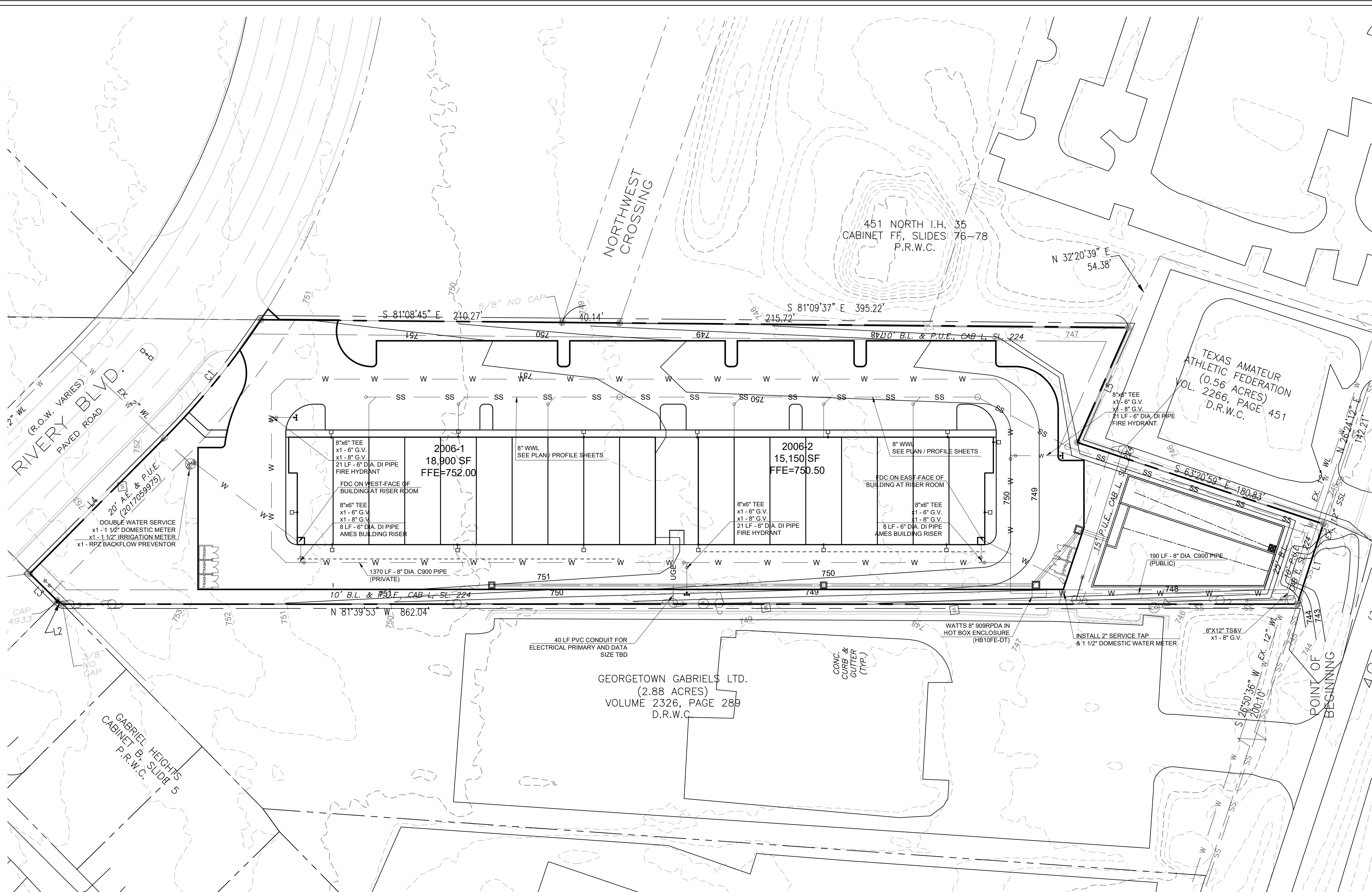
Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB

C.08

Sheet 8 OF 26







Engineering Specification

Job Name: _____ Contractor: _____
Job Location: _____ Approval: _____
Engineer: _____ Date: _____
Approval: _____

Series 900RPDA Reduced Pressure Detector Assemblies

Size: 24" x 10"

WATTS

Models

Series 900RPDA

Standards

Series 900RPDA

Materials

Series 900RPDA

Pressure - Temperature

Series 900RPDA

Dimensions - Weights

Series 900RPDA

Hubbell Utility Solutions

Dual Aluminum

Wider design for dual or tandem installations. Doors on both sides of the enclosure improve access. Key benefits include (see page 31 for full list):

- Quick & Easy Installation - Modular design with a maximum of 4 tongue and groove sections.
- Easy Access - Lightweight removable doors can easily be removed by one person.
- Peace of Mind - ASSE (TOD) certification ensures that requirements for structural strength, drainage capacity, material construction, equipment access, and functional design are met.
- Superior Freeze Protection - Insulation will not sag or delaminate from the walls due to the strong chemical bond between the aluminum and insulation. Wall-mounted heaters are installed above the discharge point to provide better long-term performance and safety.

For standard units, replace the "10" in the part with an "11". For standard Dimensions + 10".

Model	Height	Width	Length	Weight	Section	Weight #
HA10000000	10"	10"	10"	10"	1	10
HA10000001	10"	10"	10"	10"	2	20
HA10000002	10"	10"	10"	10"	3	30
HA10000003	10"	10"	10"	10"	4	40
HA10000004	10"	10"	10"	10"	5	50
HA10000005	10"	10"	10"	10"	6	60
HA10000006	10"	10"	10"	10"	7	70
HA10000007	10"	10"	10"	10"	8	80
HA10000008	10"	10"	10"	10"	9	90
HA10000009	10"	10"	10"	10"	10	100
HA10000010	10"	10"	10"	10"	11	110
HA10000011	10"	10"	10"	10"	12	120
HA10000012	10"	10"	10"	10"	13	130
HA10000013	10"	10"	10"	10"	14	140
HA10000014	10"	10"	10"	10"	15	150
HA10000015	10"	10"	10"	10"	16	160
HA10000016	10"	10"	10"	10"	17	170
HA10000017	10"	10"	10"	10"	18	180
HA10000018	10"	10"	10"	10"	19	190
HA10000019	10"	10"	10"	10"	20	200
HA10000020	10"	10"	10"	10"	21	210
HA10000021	10"	10"	10"	10"	22	220
HA10000022	10"	10"	10"	10"	23	230
HA10000023	10"	10"	10"	10"	24	240
HA10000024	10"	10"	10"	10"	25	250
HA10000025	10"	10"	10"	10"	26	260
HA10000026	10"	10"	10"	10"	27	270
HA10000027	10"	10"	10"	10"	28	280
HA10000028	10"	10"	10"	10"	29	290
HA10000029	10"	10"	10"	10"	30	300
HA10000030	10"	10"	10"	10"	31	310
HA10000031	10"	10"	10"	10"	32	320
HA10000032	10"	10"	10"	10"	33	330
HA10000033	10"	10"	10"	10"	34	340
HA10000034	10"	10"	10"	10"	35	350
HA10000035	10"	10"	10"	10"	36	360
HA10000036	10"	10"	10"	10"	37	370
HA10000037	10"	10"	10"	10"	38	380
HA10000038	10"	10"	10"	10"	39	390
HA10000039	10"	10"	10"	10"	40	400
HA10000040	10"	10"	10"	10"	41	410
HA10000041	10"	10"	10"	10"	42	420
HA10000042	10"	10"	10"	10"	43	430
HA10000043	10"	10"	10"	10"	44	440
HA10000044	10"	10"	10"	10"	45	450
HA10000045	10"	10"	10"	10"	46	460
HA10000046	10"	10"	10"	10"	47	470
HA10000047	10"	10"	10"	10"	48	480
HA10000048	10"	10"	10"	10"	49	490
HA10000049	10"	10"	10"	10"	50	500
HA10000050	10"	10"	10"	10"	51	510
HA10000051	10"	10"	10"	10"	52	520
HA10000052	10"	10"	10"	10"	53	530
HA10000053	10"	10"	10"	10"	54	540
HA10000054	10"	10"	10"	10"	55	550
HA10000055	10"	10"	10"	10"	56	560
HA10000056	10"	10"	10"	10"	57	570
HA10000057	10"	10"	10"	10"	58	580
HA10000058	10"	10"	10"	10"	59	590
HA10000059	10"	10"	10"	10"	60	600
HA10000060	10"	10"	10"	10"	61	610
HA10000061	10"	10"	10"	10"	62	620
HA10000062	10"	10"	10"	10"	63	630
HA10000063	10"	10"	10"	10"	64	640
HA10000064	10"	10"	10"	10"	65	650
HA10000065	10"	10"	10"	10"	66	660
HA10000066	10"	10"	10"	10"	67	670
HA10000067	10"	10"	10"	10"	68	680
HA10000068	10"	10"	10"	10"	69	690
HA10000069	10"	10"	10"	10"	70	700
HA10000070	10"	10"	10"	10"	71	710
HA10000071	10"	10"	10"	10"	72	720
HA10000072	10"	10"	10"	10"	73	730
HA10000073	10"	10"	10"	10"	74	740
HA10000074	10"	10"	10"	10"	75	750
HA10000075	10"	10"	10"	10"	76	760
HA10000076	10"	10"	10"	10"	77	770
HA10000077	10"	10"	10"	10"	78	780
HA10000078	10"	10"	10"	10"	79	790
HA10000079	10"	10"	10"	10"	80	800
HA10000080	10"	10"	10"	10"	81	810
HA10000081	10"	10"	10"	10"	82	820
HA10000082	10"	10"	10"	10"	83	830
HA10000083	10"	10"	10"	10"	84	840
HA10000084	10"	10"	10"	10"	85	850
HA10000085	10"	10"	10"	10"	86	860
HA10000086	10"	10"	10"	10"	87	870
HA10000087	10"	10"	10"	10"	88	880
HA10000088	10"	10"	10"	10"	89	890
HA10000089	10"	10"	10"	10"	90	900
HA10000090	10"	10"	10"	10"	91	910
HA10000091	10"	10"	10"	10"	92	920
HA10000092	10"	10"	10"	10"	93	930
HA10000093	10"	10"	10"	10"	94	940
HA10000094	10"	10"	10"	10"	95	950
HA10000095	10"	10"	10"	10"	96	960
HA10000096	10"	10"	10"	10"	97	970
HA10000097	10"	10"	10"	10"	98	980
HA10000098	10"	10"	10"	10"	99	990
HA10000099	10"	10"	10"	10"	100	1000

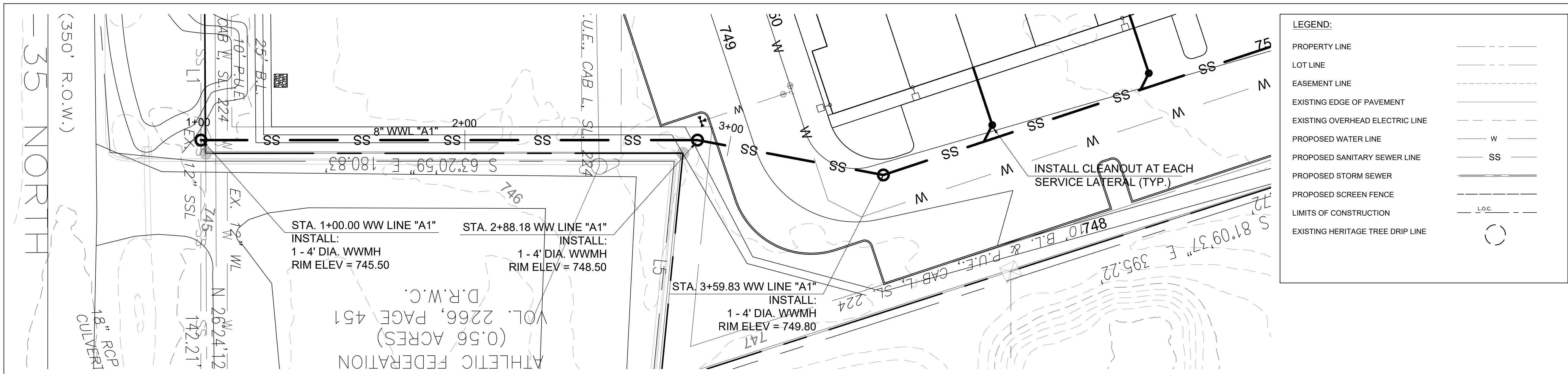
Dual Aluminum

Wider design for dual or tandem installations. Doors on both sides of the enclosure improve access. Key benefits include (see page 31 for full list):

- Quick & Easy Installation - Modular design with a maximum of 4 tongue and groove sections.
- Easy Access - Lightweight removable doors can easily be removed by one person.
- Peace of Mind - ASSE (TOD) certification ensures that requirements for structural strength, drainage capacity, material construction, equipment access, and functional design are met.
- Superior Freeze Protection - Insulation will not sag or delaminate from the walls due to the strong chemical bond between the aluminum and insulation. Wall-mounted heaters are installed above the discharge point to provide better long-term performance and safety.

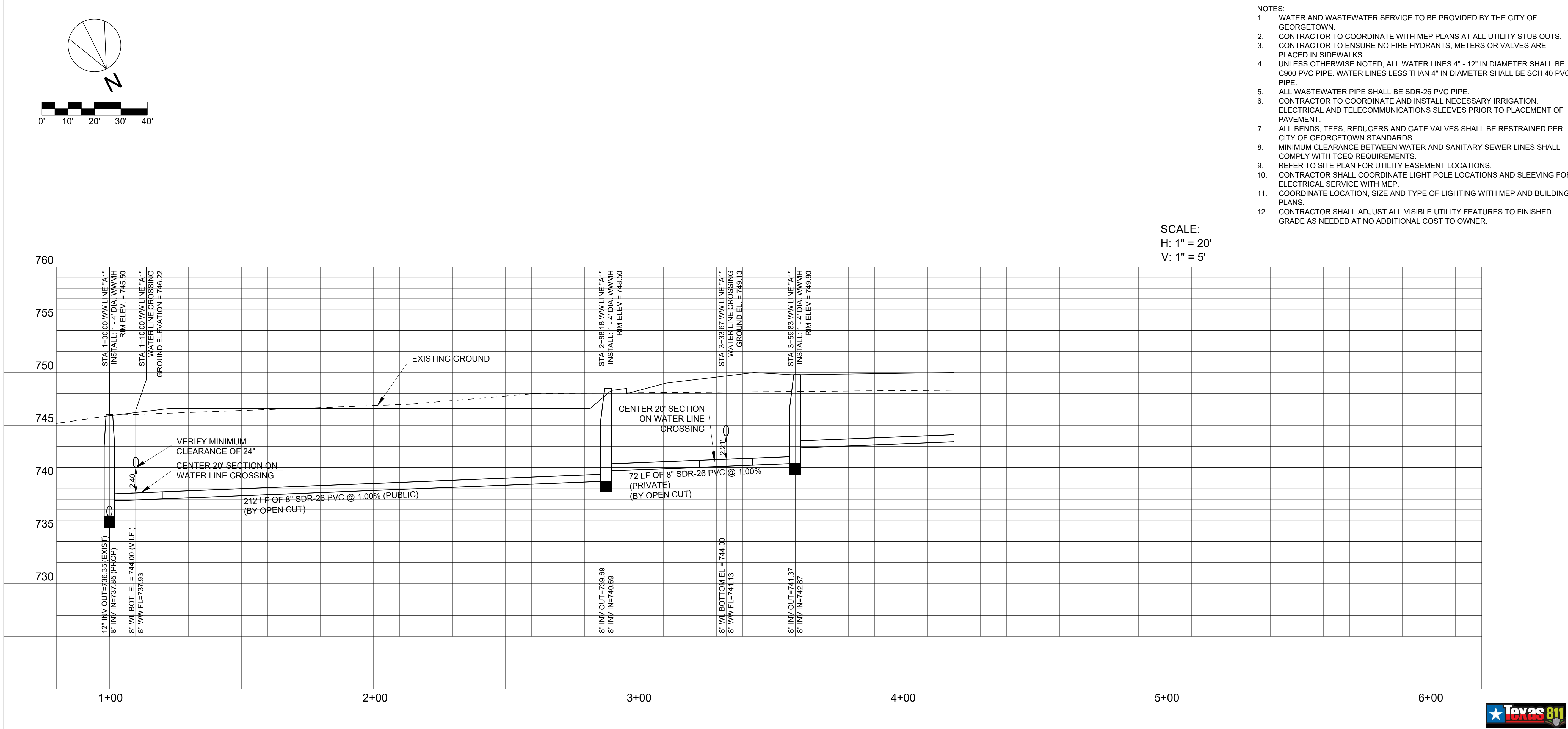
For standard units, replace the "10" in the part with an "11". For standard Dimensions + 10".

Model	Height	Width	Length	Weight	Section	Weight #
HA10000000	10"	10"	10"	10"	1	10
HA10000001	10"	10"	10"	10"	2	20
HA10000002	10"	10"	10"	10"	3	30
HA10000003	10"	10"	10"	10"	4	40
HA10000004	10"	10"	10"	10"	5	50
HA10000005	10"	10"	10"	10"	6	60
HA10000006	10"	10"	10"	10"	7	70
HA10000007	10"	10"	10"	10"	8	80
HA10000008	10"	10"	10"	10"	9	90
HA10000009	10"	10"	10"	10"	10	100
HA10000010	10"	10"	10"	10"	11	110
HA10000011	10"	10"	10"	10"	12	120
HA10000012	10"	10"	10"	10"	13	130
HA10000013	10"	10"	10"	10"	14	140
HA10000014	10"	10"	10"	10"	15	150
HA10000015	10"	10"	10"	10"	16	160
HA10000016	10"	10"	10"	10"	17	170
HA10000017	10"	10"	10"	10"	18	180
HA10000018	10"	10"	10"	10"	19	190
HA10000019	10"	10"	10"	10"	20	200
HA10000020	10"	10"	10"	10"	21	210
HA10000021	10"	10"	10"	10"	22	220
HA10000022	10"	10"	10"	10"	23	230
HA10000023	10"	10"	10"	10"	24	240
HA10000024	10"	10"	10"	10"	25	250
HA10000025	10"	10"	10"	10"	26	260
HA10000026	10"	10"	10"	10"	27	270
HA10000027	10"	10"	10"	10"	28	280
HA10000028	10"	10"	10"	10"	29	290
HA10000029	10"	10"	10"	10"	30	300
HA10000030	10"	10"	10"	10"	31	310
HA10000031	10"	10"	10"	10"	32	320
HA10000032	10"	10"	10"	10"	33	330
HA10000033	10"	10"	10"	10"	34	340
HA10000034	10"	10"	10"	10"	35	350
HA10000035	10"	10"	10"	10"	36	360
HA10000036	10"	10"	10"	10"	37	370
HA10000037	10"	10"	10"	10"	38	380
HA10000038	10"	10"	10"	10"	39	390
HA10000039	10"	10"	10"	10"	40	400
HA10000040	10"	10"	10"	10"	41	410
HA10000041	10"	10"	10"	10"	42	420
HA10000042	10"	10"	10"	10"	43	430
HA10000043	10"	10"	10"	10"	44	440
HA10000044	10"	10"	10"	10"	45	450
HA10000045	10"	10"	10"	10"	46	460
HA10000046	10"	10"	10"	10"	47	470
HA10000047	10"	10"	10"	10"	48	480
HA10000048	10"	10"	10"	10"	49	490
HA10000049	10"	10"	10"	10"	50	500
HA10000050	10"	10"	10"	10"	51	510
HA10000051	10"	10"	10"	10"	52	520
HA10000052	10"	10"	10"	10"	53	530
HA10000053	10"	10"	10"	10"	54	540
HA10000054	10"	10"	10"	10"	55	550
HA10000055	10"	10"	10"	10"	56	560
HA10000056	10"	10"	10"	10"	57	570
HA10000057	10"	10"	10"	10"	58	580
HA10000058	10"	10"	10"	10"	59	590
HA10000059	10"	10"	10"	10"	60	600
HA10000060	10"	10"	10"	10"	61	610
HA10000061	10"	10"	10"	10"	62	620
HA10000062	10"	10"	10"	10"	63	630
HA10000063	10"	10"	10"	10"	64	640
HA10000064	10"	10"	10"	10"	65	650
HA10000065	10"	10"	10"	10"	66	660
HA10000066	10"	10"	10"	10"	67	670
HA10000067	10"	10"	10"	10"	68	680
HA10000068	10"	10"	10"	10"	69	690
HA10000069	10"	10"	10"	10"	70	700
HA10000070	10"	10"	10"	10"	71	710
HA10000071	10"	10"	10"	10"	72	720
HA10000072	10"	10"	10"	10"	73	730
HA10000073	10"	10"	10"	10"	74	740
HA10000074	10"	10"	10"	10"	75	750
HA10000075	10"	10"	10"	10"	76	760
HA10000076	10"	10"	10"	10"	77	770
HA10000077	10"	10"	10"	10"	78	780
HA10000078	10"	10"	10"	10"	79	790
HA10000079	10"	10"	10"	10"	80	800
HA10000080	10"	10"	10"	10"	81	810
HA10000081	10"	10"	10"	10"	82	820
HA10000082	10"	10"	10"	10"	83	830
HA10000083	10"	10"	10"	10"	84	840
HA10						



LEGEND:

PROPERTY LINE	---
LOT LINE	---
EASEMENT LINE	---
EXISTING EDGE OF PAVEMENT	---
EXISTING OVERHEAD ELECTRIC LINE	---
PROPOSED WATER LINE	W
PROPOSED SANITARY SEWER LINE	SS
PROPOSED STORM SEWER	---
PROPOSED SCREEN FENCE	---
LIMITS OF CONSTRUCTION	LOC
EXISTING HERITAGE TREE DRIP LINE	(C)



- NOTES:**
1. WATER AND WASTEWATER SERVICE TO BE PROVIDED BY THE CITY OF GEORGETOWN.
 2. CONTRACTOR TO COORDINATE WITH MEP PLANS AT ALL UTILITY STUB OUTS.
 3. CONTRACTOR TO ENSURE NO FIRE HYDRANTS, METERS OR VALVES ARE PLACED IN SIDEWALKS.
 4. UNLESS OTHERWISE NOTED, ALL WATER LINES 4" - 12" IN DIAMETER SHALL BE C900 PVC PIPE. WATER LINES LESS THAN 4" IN DIAMETER SHALL BE SCH 40 PVC PIPE.
 5. ALL WASTEWATER PIPE SHALL BE SDR-26 PVC PIPE.
 6. CONTRACTOR TO COORDINATE AND INSTALL NECESSARY IRRIGATION, ELECTRICAL AND TELECOMMUNICATIONS SLEEVES PRIOR TO PLACEMENT OF PAVEMENT.
 7. ALL BENDS, TEES, REDUCERS AND GATE VALVES SHALL BE RESTRAINED PER CITY OF GEORGETOWN STANDARDS.
 8. MINIMUM CLEARANCE BETWEEN WATER AND SANITARY SEWER LINES SHALL COMPLY WITH TCEQ REQUIREMENTS.
 9. REFER TO SITE PLAN FOR UTILITY EASEMENT LOCATIONS.
 10. CONTRACTOR SHALL COORDINATE LIGHT POLE LOCATIONS AND SLEEVING FOR ELECTRICAL SERVICE WITH MEP.
 11. COORDINATE LOCATION, SIZE AND TYPE OF LIGHTING WITH MEP AND BUILDING PLANS.
 12. CONTRACTOR SHALL ADJUST ALL VISIBLE UTILITY FEATURES TO FINISHED GRADE AS NEEDED AT NO ADDITIONAL COST TO OWNER.

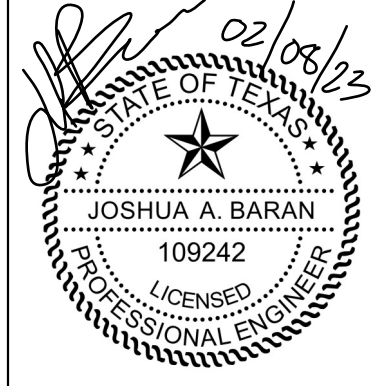
SCALE:
H: 1" = 20'
V: 1" = 5'

App.	
No.	
Date	
Revisions	

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com

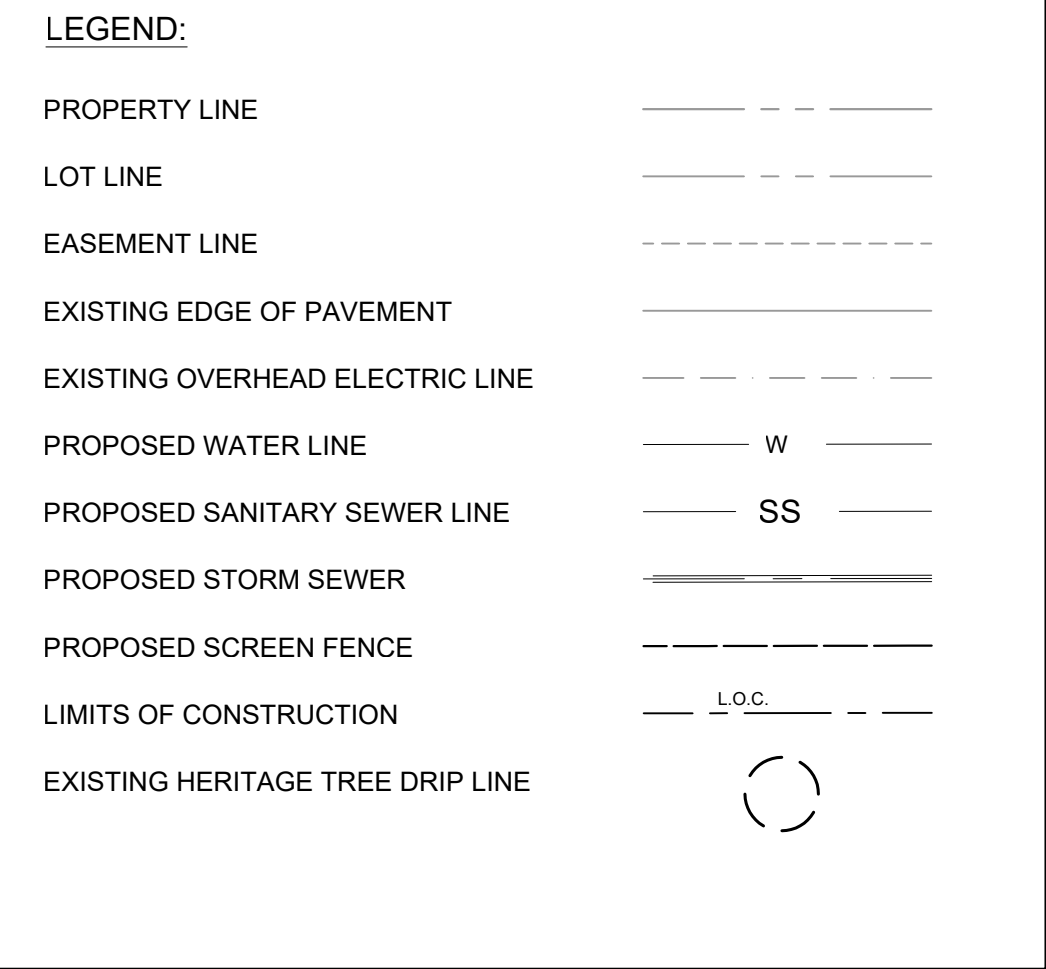
RIVERY BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

WASTEWATER PLAN & PROFILE



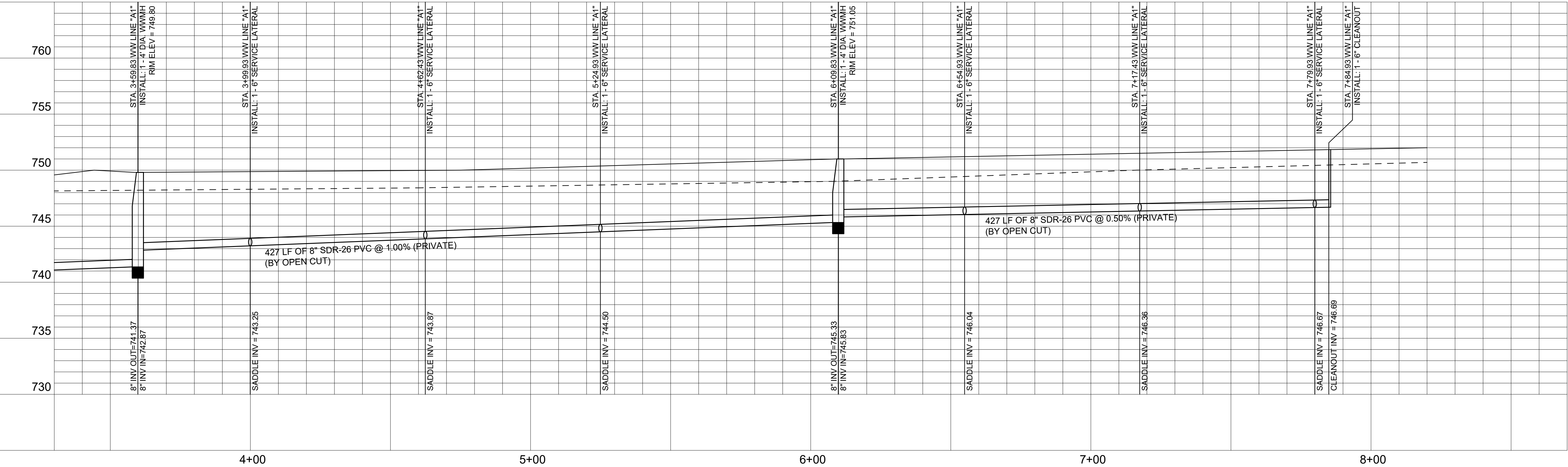
Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB
C.11	
Sheet 11 OF 26	
2021-28-SDP	



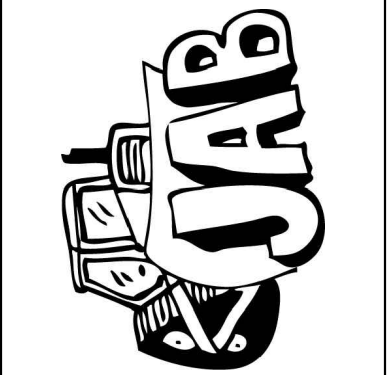


- NOTES:**
1. WATER AND WASTEWATER SERVICE TO BE PROVIDED BY THE CITY OF GEORGETOWN.
 2. CONTRACTOR TO COORDINATE WITH MEP PLANS AT ALL UTILITY STUB OUTS.
 3. CONTRACTOR TO ENSURE NO FIRE HYDRANTS, METERS OR VALVES ARE PLACED IN SIDEWALKS.
 4. UNLESS OTHERWISE NOTED, ALL WATER LINES 4" - 12" IN DIAMETER SHALL BE C900 PVC PIPE. WATER LINES LESS THAN 4" IN DIAMETER SHALL BE SCH 40 PVC PIPE.
 5. ALL WASTEWATER PIPE SHALL BE SDR-26 PVC PIPE.
 6. CONTRACTOR TO COORDINATE AND INSTALL NECESSARY IRRIGATION, ELECTRICAL AND TELECOMMUNICATIONS SLEEVES PRIOR TO PLACEMENT OF PAVEMENT.
 7. ALL BENDS, TEES, REDUCERS AND GATE VALVES SHALL BE RESTRAINED PER CITY OF GEORGETOWN STANDARDS.
 8. MINIMUM CLEARANCE BETWEEN WATER AND SANITARY SEWER LINES SHALL COMPLY WITH TCEQ REQUIREMENTS.
 9. CONTRACTOR TO SITE PLAN FOR UTILITY PLACEMENT LOCATIONS.
 10. CONTRACTOR SHALL COORDINATE LIGHT POLE LOCATIONS AND SLEEVING FOR ELECTRICAL SERVICE WITH MEP.
 11. COORDINATE LOCATION, SIZE AND TYPE OF LIGHTING WITH MEP AND BUILDING PLANS.
 12. CONTRACTOR SHALL ADJUST ALL VISIBLE UTILITY FEATURES TO FINISHED GRADE AS NEEDED AT NO ADDITIONAL COST TO OWNER.

SCALE:
H: 1" = 20'
V: 1" = 5'

[illegible]

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



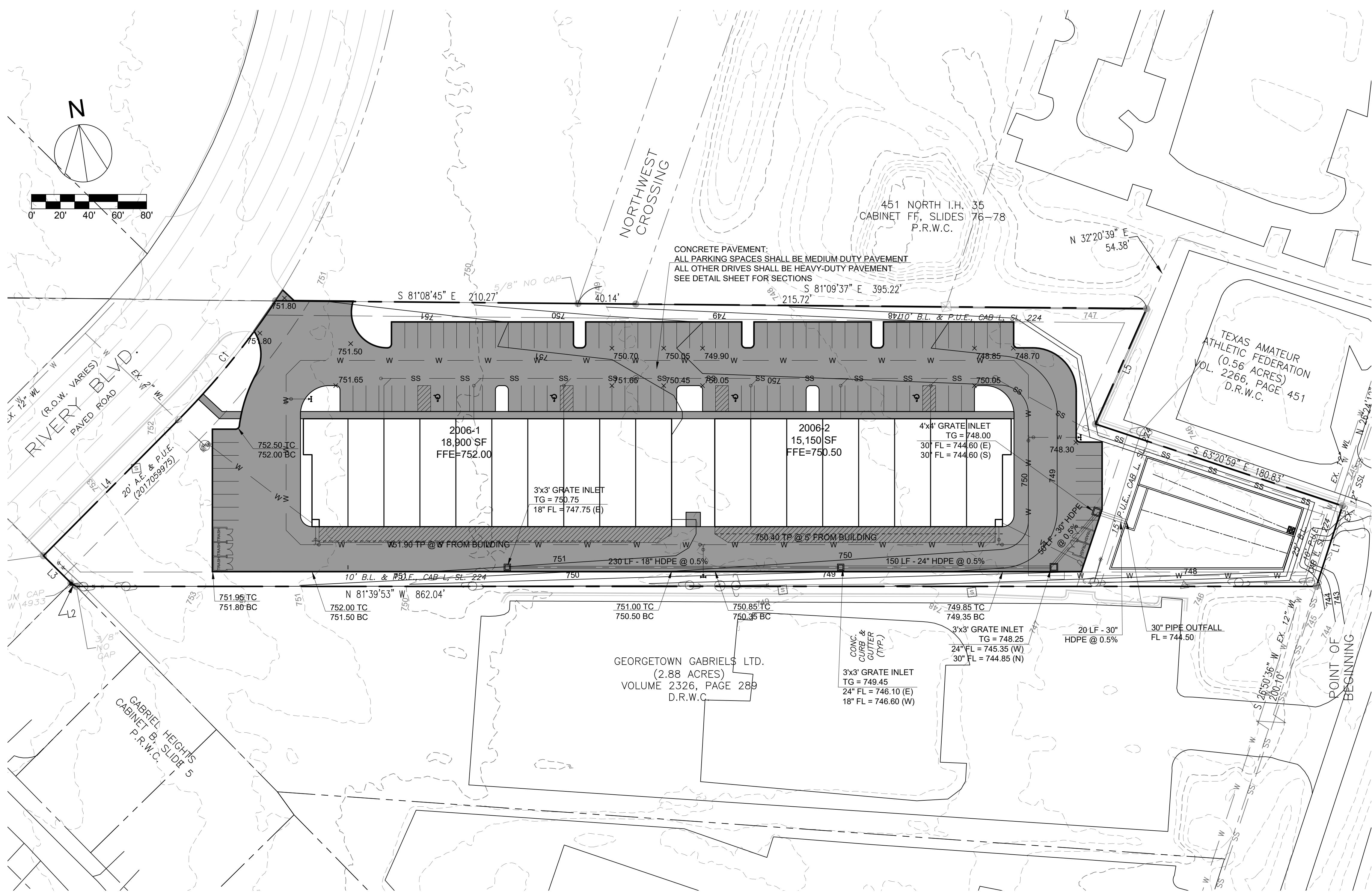
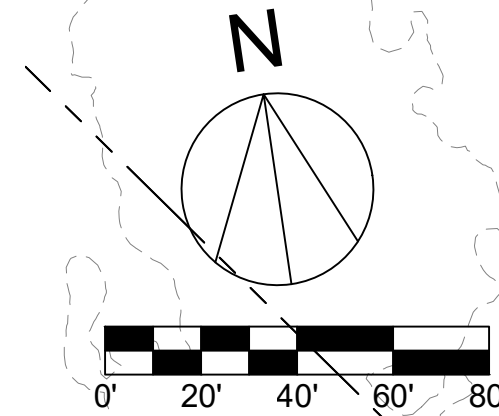
**RIVERY
BUSINESS PARK**
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78626

WASTEWATER PLAN & PROFILE



Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB

C.12
Sheet <u>12</u> OF <u>26</u>
2021-28-SDP



LEGEND:	
PROPERTY LINE	---
LOT LINE	---
EXISTING EDGE OF PAVEMENT	---
PROPOSED SWALE	---
PROPOSED HIGH POINT	---
EXISTING MAJOR CONTOUR	--- 785 ---
EXISTING MINOR CONTOUR	--- 786 ---
PROPOSED MAJOR CONTOUR	--- 785 ---
PROPOSED MINOR CONTOUR	--- 786 ---
PROPOSED RETAINING WALL	---
EXISTING HERITAGE TREE DRIP LINE	○
TOP OF PAVEMENT	TP
TOP OF GRATE	TG
TOP OF SIDEWALK	TS
FINISHED GRADE	FG
BOTTOM OF WALL	BW
TOP OF WALL	TW
TOP OF CURB	TC
BOTTOM OF CURB	BC

- NOTES:
1. SLOPES ON ACCESSIBLE RAMPS MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP.
 2. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP IS 30 INCHES.
 3. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50.
 4. 5' X 5' LANDINGS ARE REQUIRED AT ALL CHANGES IN DIRECTION. LANDINGS SHALL NOT HAVE A SLOPE OF GREATER THAN 1:50 IN ANY DIRECTION.
 5. GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT.
 6. CONTRACTOR TO MATCH EXISTING GRADE, GUTTER, AND ASPHALT WHEN TYING INTO EXISTING ROADWAYS.
 7. CONTRACTOR TO COORDINATE GRADES WITH ARCHITECTURAL PLANS.
 8. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING FOUNDATION AND TO INLETS.
 9. CONCRETE PAVEMENT TO HAVE MINIMUM 0.5% SLOPE IN ALL AREAS. NO PONDING IS ALLOWED IN THE PARKING AREA.
 10. ELEVATIONS SHOWN OUTSIDE OF PAVEMENT ARE FINISHED GRADES INCLUDING ANY TOPSOIL, GRASS, ETC.
 11. ELEVATIONS SHOWN WITHIN PAVEMENT ARE TO GUTTER ELEVATION UNLESS OTHERWISE NOTED.
 12. THE EXCAVATION CONTRACTOR SHALL TAKE INTO ACCOUNT THE REQUIREMENTS FOR COMPACTED BASE AND CONCRETE THICKNESS AS CALLED FOR ON THE FOUNDATION PLAN. ALL ELEVATIONS SHOWN ARE TO FINISHED GRADE.
 13. SIDEWALK LOCATED ADJACENT TO BUILDING SHALL SLOPE A MINIMUM OF 1% AWAY FROM THE BUILDING.
 14. LANDSCAPE AREAS DIRECTLY ADJACENT TO THE BUILDING SHALL SLOPE A MINIMUM OF 1% AWAY FROM THE BUILDING.
 15. SITE SURVEY, PROVIDED BY OTHERS, DOES NOT INCLUDE A REFERENCE TO TEMPORARY OR PERMANENT BENCHMARKS NEAR THE SITE. CONTRACTOR SHALL VERIFY EXISTING TOPOGRAPHY AND THE LOCATION/ELEVATION OF THE SITE IMPROVEMENTS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED.
 16. CONTRACTOR SHALL ADJUST ALL VISIBLE UTILITY STRUCTURES TO FINISHED GRADE AS NEEDED AT NO ADDITIONAL COST TO OWNER.

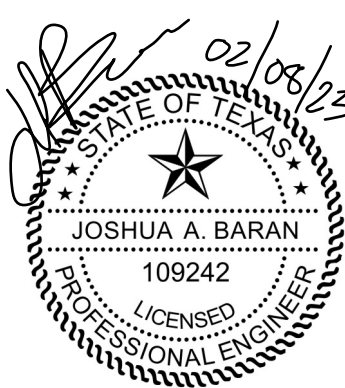


Revisions	
No.	Date

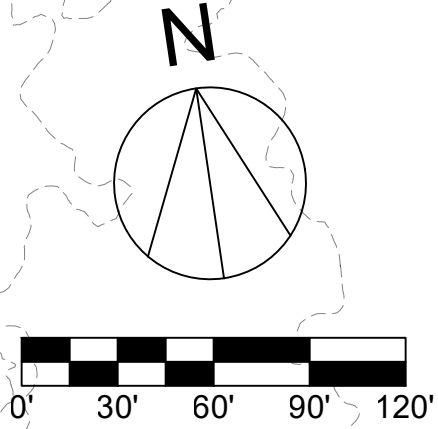
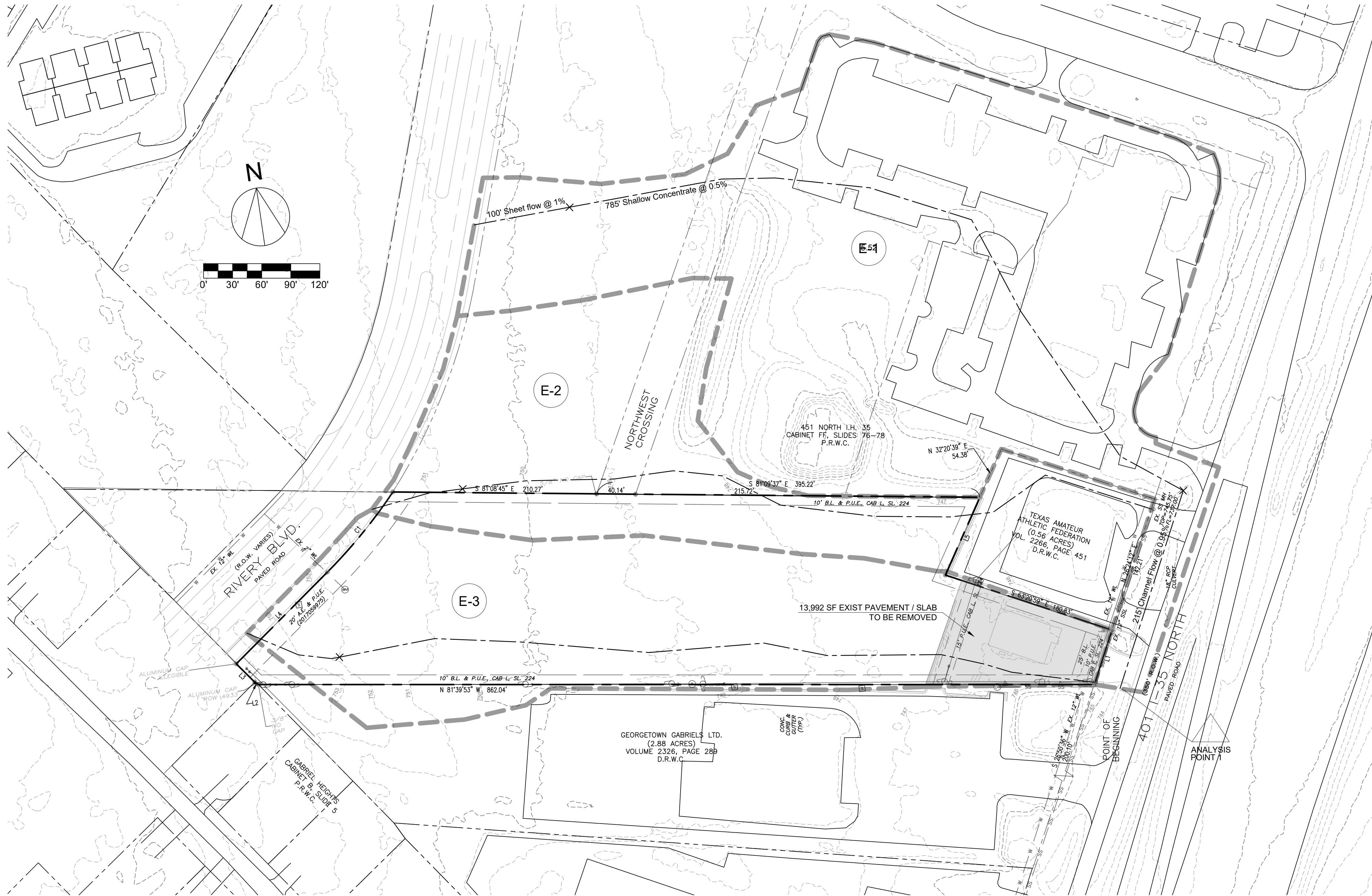
JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com

RIVERY
BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

GRADING PLAN



Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB



LEGEND:

PROPERTY LINE _____

LOT LINE _____

EXISTING EDGE OF PAVEMENT _____

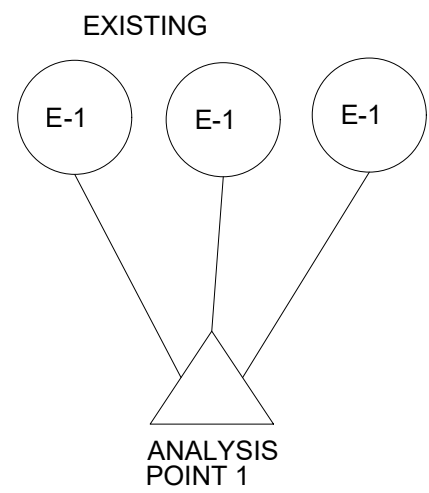
EXISTING MAJOR CONTOUR _____ 105

EXISTING MINOR CONTOUR _____ 104

EXISTING DRAINAGE AREA BOUNDARY _____

FLOW ARROW _____

DRAINAGE AREA TAG (E-1)



- NOTES:
1. REFER TO ENGINEERING REPORT FOR SUPPORTING CALCULATIONS.
 2. THIS SHEET IS USED SOLELY FOR THE PURPOSE OF DETENTION POND AND WATER QUALITY DESIGN, NOT FOR CONSTRUCTION.

App.		Revisions		Date		No.	

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com

**RIVERY PARK
BUSINESS PARK**
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

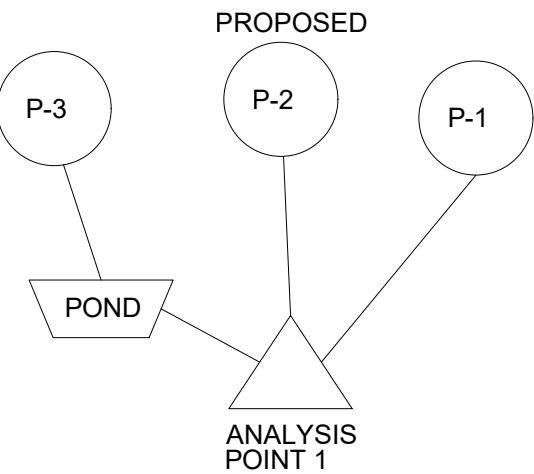
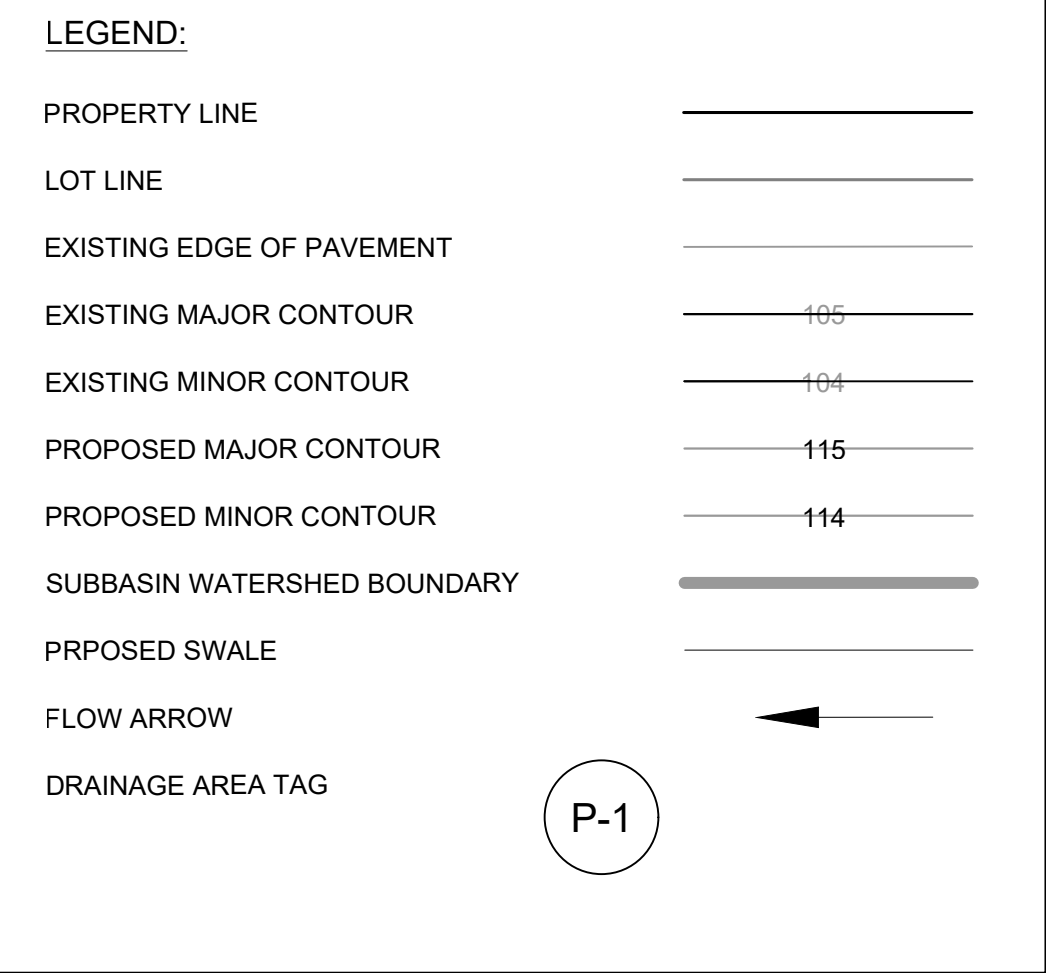
**EXISTING
DRAINAGE AREA
MAP**



Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB



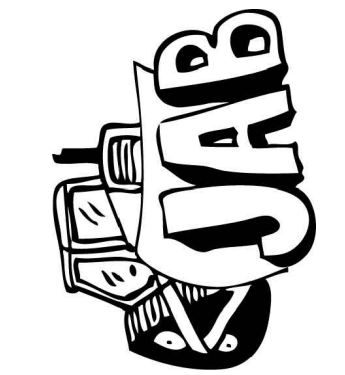
EXISTING DRAINAGE SUMMARY									
Area ID	DA (ac.)	DA (mi ²)	TC(min.)	Lag (min)	CN	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)
E-1	5.52	0.0086	7.0	4.2	73	5.1	12.9	17.8	25.6
E-2	2.65	0.0041	0.0	0.0	78	3.7	8.2	10.8	14.9
E-3	2.84	0.0044	7.0	4.2	76	3.8	8.6	11.5	16.1
Total	11.01	0.0172			Total Peak Flow	12.2	29.0	39.3	55.5



Condition	2-year	10-year	25-year	100-year
Existing	12.2	29.0	39.3	55.5
Developed	12.2	29.0	38.6	55.5



JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



**RIVERY
BUSINESS PARK**
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

PROPOSED DRAINAGE AREA MAP

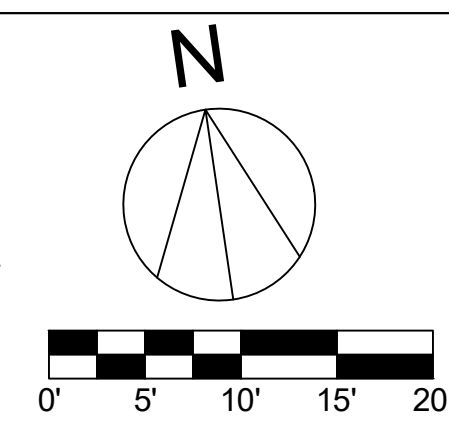
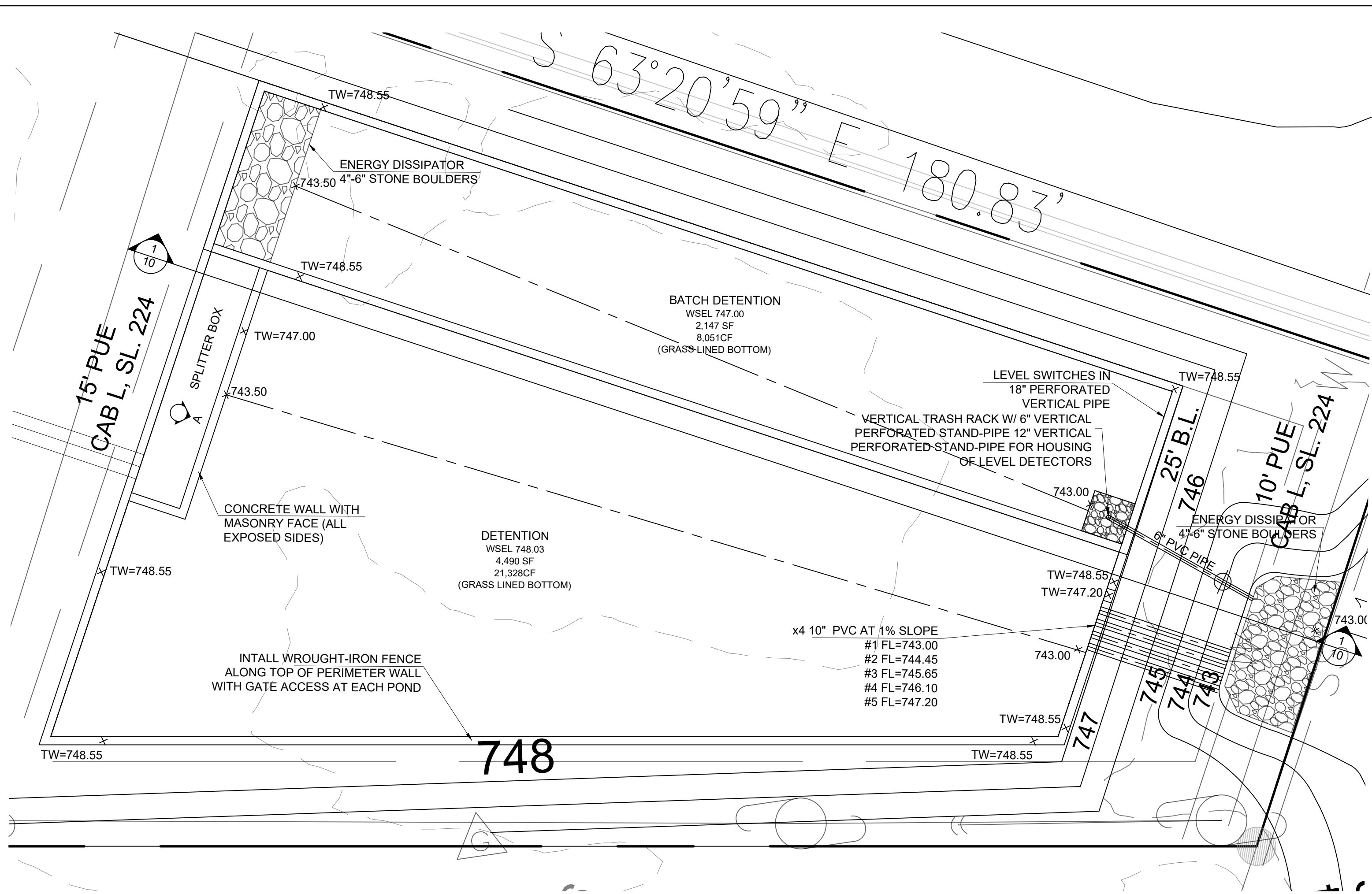


Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB

C.15

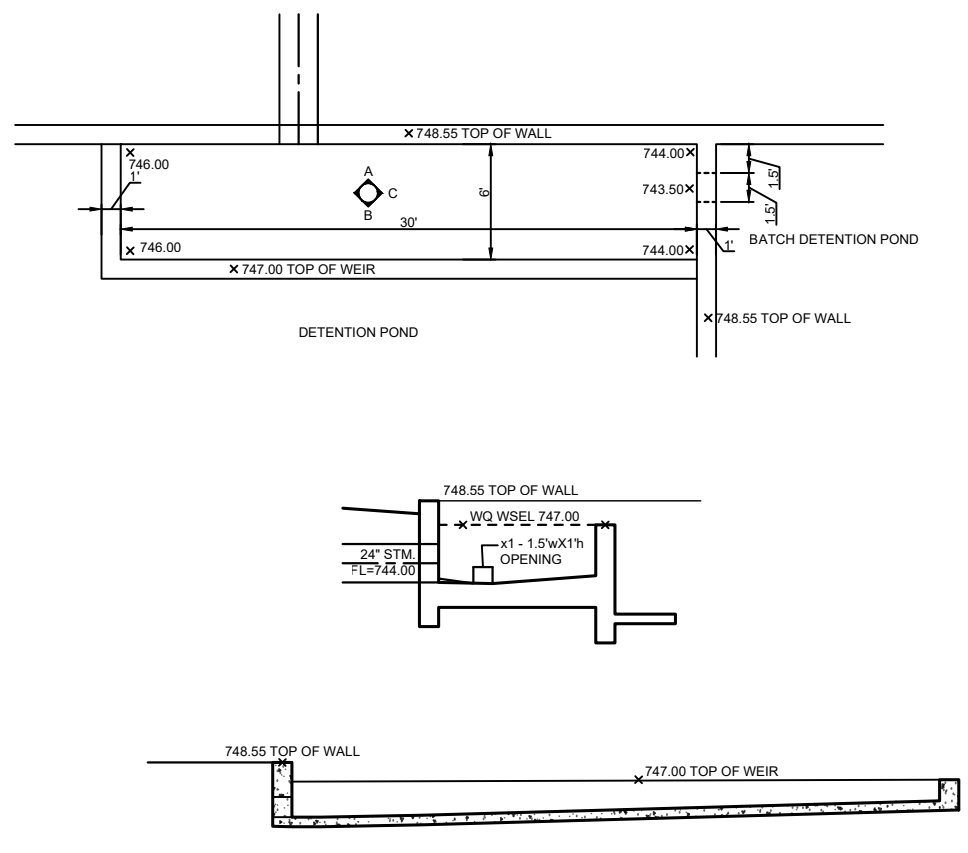
Sheet 15 OF 26

2021-28-SDP



LEGEND:

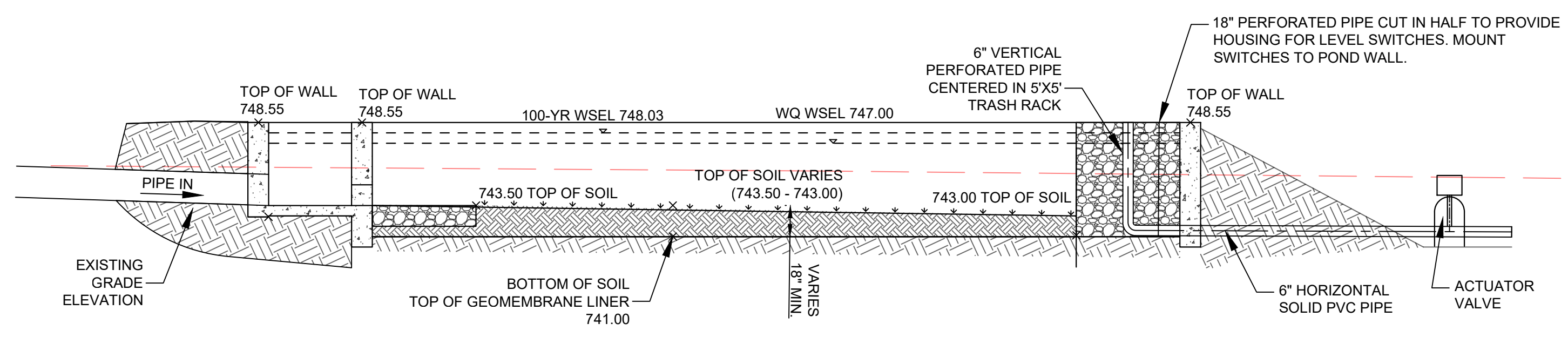
PROPERTY LINE	_____
LOT LINE	_____
EASEMENT LINE	_____
EXISTING EDGE OF PAVEMENT	_____
PROPOSED RETAINING WALL	_____
EXISTING HERITAGE TREE DRIP LINE	○



SPLITTER BOX DETAILS

POND PLAN

SCALE: 1"=10'



DETENTION OUTFALL ELEVATION

DETENTION POND STAGE/STORAGE/DISCHAGE TABLE			
STAGE	CUMULATIVE VOLUME (SQ-FT)	Q (CFS)	
743.00	0	0.00	8" PIPE INV
744.00	4490	1.37	
744.45	5388	1.78	8" PIPE INV
745.00	7858	2.95	
745.65	10777	4.13	10" PIPE INV
745.71	11052	4.23	2-YEAR
746.00	12348	5.04	
746.10	12797	5.41	10" PIPE INV
746.88	17255	9.58	10-YEAR
747.00	18063	10.08	
747.20	19456	10.88	2' WIDE WEIR
747.42	20984	12.23	25-YEAR
748.00	25029	17.57	
748.03	25217	18.00	100-YEAR
748.55	28700	24.10	

DETENTION STAGE/STORAGE

WATER QUALITY STAGE / DISCHARGE	
STAGE	CUMULATIVE VOLUME (SQ-FT)
743.00	0
743.50	537
744.00	1610
745.00	3757
746.00	5904
746.50	6978
747.00	8051
747.50	9125
748.00	10198

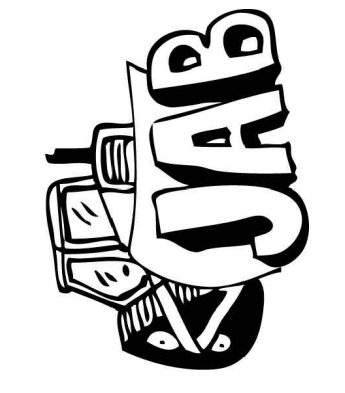
WATER QUALITY STAGE/STORAGE

Device	Routing	Invert	Outlet Devices
#1	Primary	743.00'	8.0" Vert. Orifice/Grate C= 0.600
#2	Primary	744.45'	8.0" Vert. Orifice/Grate C= 0.600
#3	Primary	745.65'	10.0" Vert. Orifice/Grate C= 0.600
#4	Primary	746.10'	10.0" Vert. Orifice/Grate C= 0.600
#5	Primary	747.20'	2.0' long x 1.0' breadth Broad-Crested Rectangular Weir
Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00			
2.50 3.00			
Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30			
3.31 3.32			

Primary OutFlow Max=17.80 cfs @ 1.88 hrs HW=748.02' (Free Discharge)

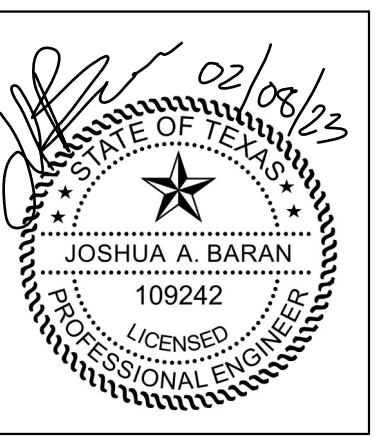
- 1=Orifice/Grate (Orifice Controls 3.64 cfs @ 10.42 fps)
- 2=Orifice/Grate (Orifice Controls 3.02 cfs @ 8.66 fps)
- 3=Orifice/Grate (Orifice Controls 3.67 cfs @ 6.73 fps)
- 4=Orifice/Grate (Orifice Controls 3.22 cfs @ 5.90 fps)
- 5=Broad-Crested Rectangular Weir (Weir Controls 4.25 cfs @ 2.59 fps)

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



RIVERY
BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

DETENTION /
WATER QUALITY
PLAN



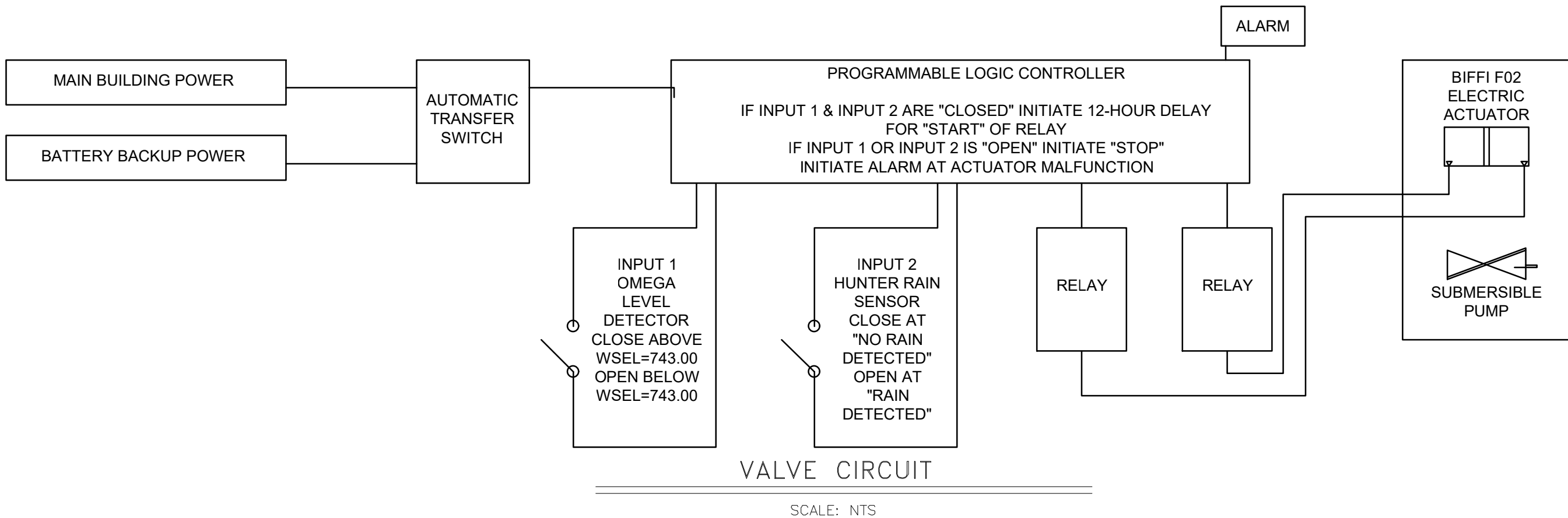
Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.16
Sheet 16 OF 26
2021-28-SDP



GEORGETOWN CALCULATIONS

Texas Commission on Environmental Quality		Project Name: Rivery Business Park	
TSS Removal Calculations 04-20-2009		Date Prepared: 4/18/2021	
Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.			
Characters shown in red are data entry fields.			
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.			
1. The Required Load Reduction for the total project		Calculations from RG-348	Pages 3-27 to 3-30
Page 3-29 Equation 3.3: $L_{M\text{ TOTAL PROJECT}} = 27.2(A_{\text{imp}} \times P)$			
where:	$L_{M\text{ TOTAL PROJECT}}$ = Required TSS removal resulting from the proposed development = 80% of increased load A_{imp} = Net increase in impervious area for the project P = Average annual precipitation, inches		
Site Data: Determine Required Load Reduction Based on the Entire Project:			
County =	Williams		
TSS Removal Required =	85	Percent	
Total project area included in plan =	3.30	acres	
Predevelopment impervious area within the limits of the plan =	0.32	acres	
Total post-development impervious area within the limits of the plan =	2.31	acres	
Total post-development impervious cover fraction =	0.70		
P =	32	inches	
	$L_{M\text{ TOTAL PROJECT}} =$	1841	lbs.
* The values entered in these fields should be for the total project area.			
Number of drainage basins / outfalls areas leaving the plan area =		1	
2. Drainage Basin Parameters (This information should be provided for each basin):			
Drainage Basin/Outfall Area No. =		P-2	
Total drainage basin/outfall area =		3.32	acres
Predevelopment impervious area within drainage basin/outfall area =		0.32	acres
Post-development impervious area within drainage basin/outfall area =		2.31	acres
Post-development impervious fraction within drainage basin/outfall area =		0.70	
$L_{M\text{ THIS BASIN}} =$		1841	lbs.
3. Indicate the proposed BMP Code for this basin.			
Proposed BMP =		Batch Detention	
Removal efficiency =		91	percent
4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.			
RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A \times 34.6 + A_{\text{p}} \times 0.54)$			
where:	A_C = Total On-Site drainage area in the BMP catchment area A_p = Impervious area proposed in the BMP catchment area A_P = Pervious area remaining in the BMP catchment area L_R = TSS Load removed from this catchment area by the proposed BMP		
	$A_C =$ 3.32 acres $A_p =$ 2.31 acres $A_P =$ 1.01 acres $L_R =$ 2343 lbs.		
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area			
	Desired $L_{M\text{ THIS BASIN}} =$ 1841 lbs. $F =$ 0.79		
6. Calculate to Capture Volume required by the BMP Type for this drainage basin / outfall area.			
Calculations from RG-348		Pages 3-34 to 3-36	
Rainfall Depth =		1.04	inches
Post-Development Runoff Coefficient =		0.50	
On-site Water Quality Volume =		6284	cubic feet
Calculations from RG-348 Pages 3-36 to 3-37			
Off-site area draining to BMP =		0.00	acres
Off-site Impervious cover draining to BMP =		0.00	acres
Impervious fraction of off-site area =		0	
Off-site Runoff Coefficient =		0.00	
Off-site Water Quality Volume =		0	cubic feet
Storage for Sediment =		1257	
Total Capture Volume (required water quality volume(s) x 1.20) =		7541	cubic feet
The following sections are used to calculate the required water quality volume(s) for the selected BMP. The values for BMP types not selected in cell C45 will show NA.			

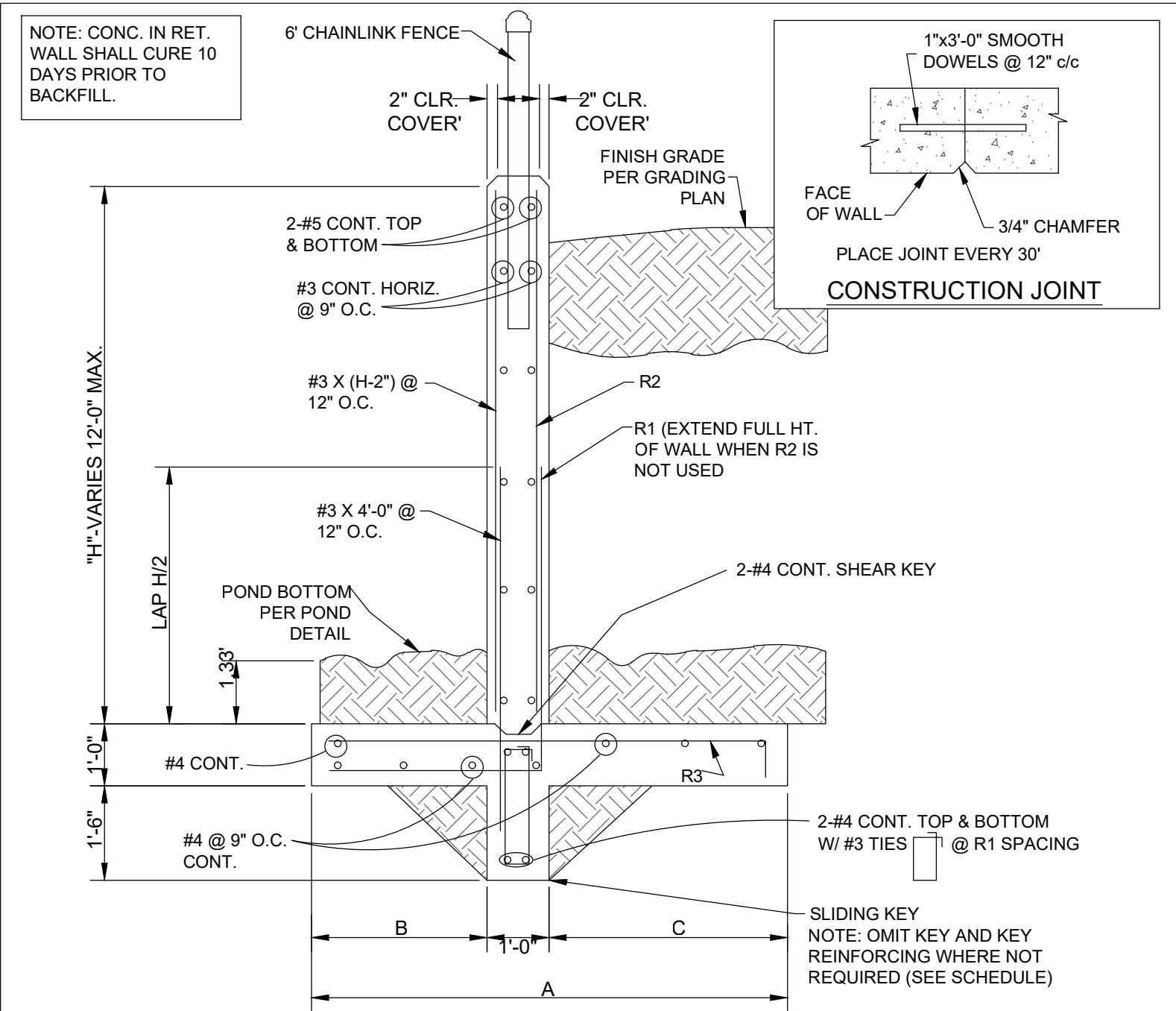


TCEQ CALCULATIONS (80% TSS)

Texas Commission on Environmental Quality		Project Name: Rivery Business Park Date Prepared: 4/18/2021	
TSS Removal Calculations 04-20-2009			
Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. Characters shown in red are data entry fields. Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.			
1. The Required Load Reduction for the total project:		Calculations from RG-348	Pages 3-27 to 3-30
Page 3-29 Equation 3.3: $L_{TSS} = 27.2(A_{NP} \times P)$			
where:	L_{TSS} TOTAL PROJECT =	Required TSS removal resulting from the proposed development = 80% of increased load	
	A_{NP} =	Net increase in impervious area for the project	
	P =	Average annual precipitation, inches	
Site Data: Determine Required Load Removal Based on the Entire Project			
	TSS Removal Required =	Williams on 80 Percent	
	Total project area included in plan =	3.30 acres	
	Predevelopment impervious area within the limits of the plan =	0.32 acres	
	Total post-development impervious area within the limits of the plan =	2.31 acres	
	Total post-development impervious cover fraction =	0.70	
	P =	32 inches	
	L_{TSS} TOTAL PROJECT =	1733 lbs.	
* The values entered in these fields should be for the total project area.			
	Number of drainage basins / outfalls areas leaving the plan area =	1	
2. Drainage Basin Parameters (This information should be provided for each basin):			
	Drainage Basin/Outfall Area No. =	P-2	
	Total drainage basin/outfall area =	3.32 acres	
	Predevelopment impervious area within drainage basin/outfall area =	0.32 acres	
	Post-development impervious area within drainage basin/outfall area =	2.31 acres	
	Post-development impervious fraction within drainage basin/outfall area =	0.70	
	L_{TSS} THIS BASIN =	1731 lbs.	
3. Indicate the proposed BMP Code for this basin.			
	Proposed BMP =	Batch Detention	
	Removal efficiency =	91 percent	
4. Calculate Maximum TSS Load Removed (L_r) for this Drainage Basin by the selected BMP Type.			
RG-348 Page 3-33 Equation 3.7: $L_r = (\text{BMP efficiency}) \times P \times (A_i \times 34.6 + A_p \times 0.54)$			
where:	A_i =	Total On-Site drainage area in the BMP catchment area	
	A_p =	Impervious area proposed in the BMP catchment area	
	A_p =	Previous area remaining in the BMP catchment area	
	L_r =	TSS Load removed from this catchment area by the proposed BMP	
	A_i =	3.32 acres	
	A_p =	2.31 acres	
	A_p =	1.01 acres	
	L_r =	2343 lbs.	
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area			
	Desired L_{TSS} THIS BASIN =	1733 lbs.	
	F =	0.74	
6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.		Calculations from RG-348	Pages 3-34 to 3-36
	Rainfall Depth =	0.89 inches	
	Post-Development Runoff Coefficient =	0.59	
	On-site Water Quality Volume =	\$365 cubic feet	
Calculations from RG-348 Pages 3-36 to 3-37			
	Off-site area draining to BMP =	0.00 acres	
	Off-site Impervious cover draining to BMP =	0.00 acres	
	Impervious fraction of off-site area =	0	
	Off-site Runoff Coefficient =	0.00	
	Off-site Water Quality Volume =	0 cubic feet	
	Storage for Sediment =	1073	
	Total Capture Volume (required water quality volume(s) $\times 1.20$) =	6438 cubic feet	
The following sections are used to calculate the required water quality volume(s) for the selected BMP. The values for BMP Types not selected in cell C45 will show NA.			

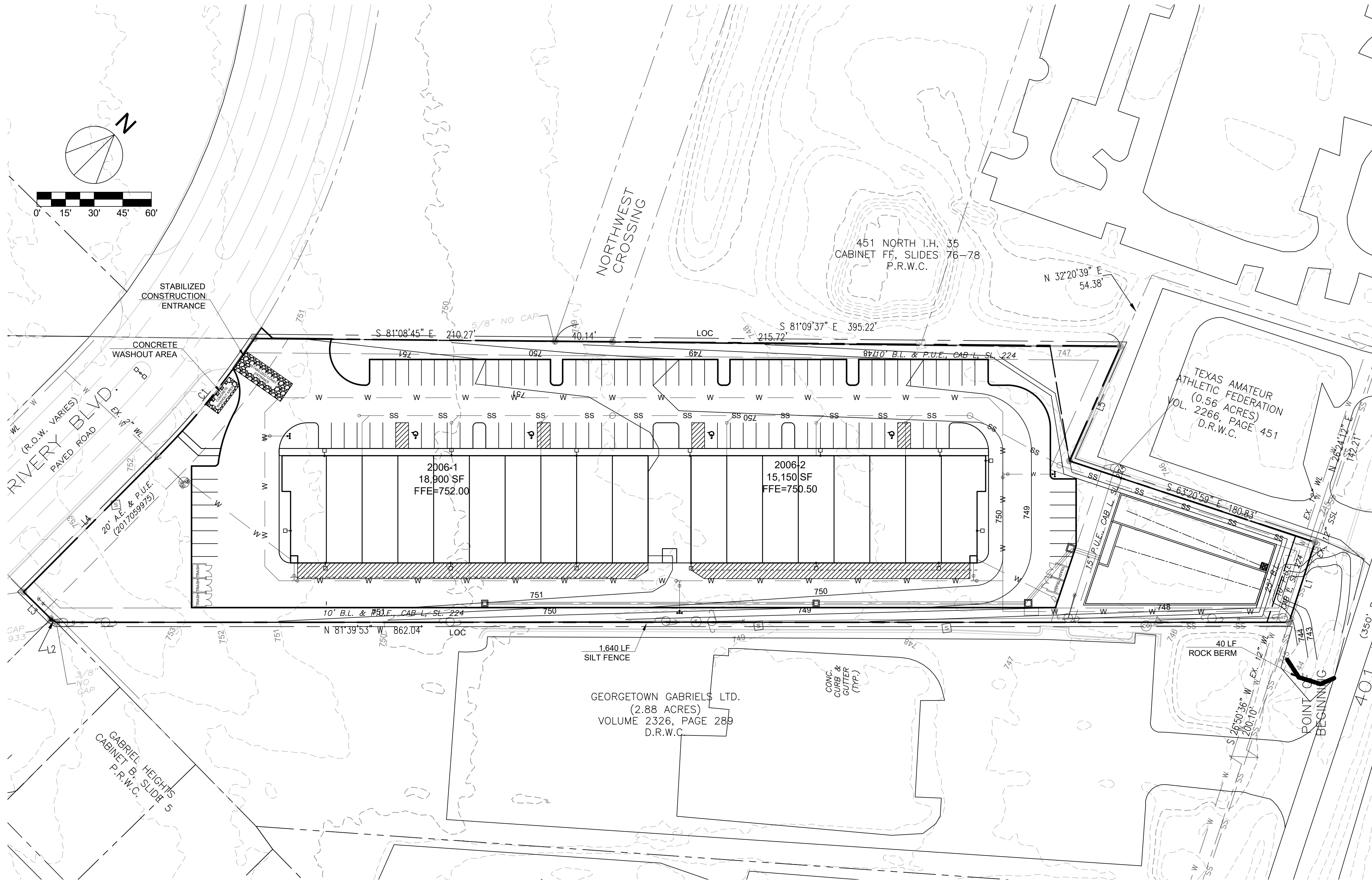
CONTROLLER NOTES:

1. DUAL SENSOR LEVEL CONTROLLER - OMEGA MODEL LVCVN-130 OR APPROVED EQUAL
2. ALARM MODULE SHALL BE REQUIRED. PROVIDE OMEGA DMD1080 SERIES WITH MOUNTED VISUAL ALARM. MOUNT ALARM TO CEILING OF BUILDING FACING POND. VISUAL ALARM SHALL INITIATE AT VALVE MALFUNCTION. ALARM TO BE EDWARDS SIGNALING HORN OR APPROVED EQUAL.
3. VALVE TO BE METALITITE METAL SEATED, FLANGED END OR APPROVED EQUAL. ACTUATOR TO BE IN "NORMALLY CLOSED" POSITION.
4. ELECTRIC ACTUATOR TO BE BETTIS SCE300 ELECTRIC ACTUATOR OR APPROVED EQUAL.
5. LEVEL SWITCH SHALL BE OMEGA HEAVY DUTY SIDE-MOUNTED. MOUNT SWITCHES TO SIDE WALL AS SHOW ON PLAN AND PROFILE. PROTECT SWITCH CONTROLLERS WITH HALF OF PERFORATED PVC PIPE GROUTED TO SIDE WALL.
6. PROVIDE BATTERY BACKUP SYSTEM WITH PHOTOCELL MOUNTED ADJACENT TO VALVE.
7. LOGIC CONTROLLER TO BE OMEGA OR SIMILAR.
8. ELECTRIC ACTUATOR, MANUAL OVERRIDE TO BE ALWAYS ENGAGED. PROVIDE INSTRUCTIONS FOR MANUAL OVERRIDE IN WATERPROOF CASIN IN THE CONTROLLER BOX. MANUAL OVERRIDE TO BE USED FOR HAZARDOUS MATERIAL TREAT.

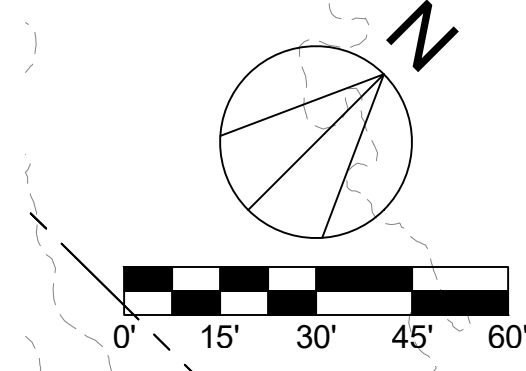


RETAINING WALL SCHEDULE							
H. MAX	A	B	C	R1	R2	R3	SLIDING KEY
2'-0"	2'-4"	8"	8"	#4 @ 9"	NOT USED	#4 @ 9"	NOT USED
4'-0"	3'-8"	8"	2'-0"	#4 @ 9"	NOT USED	#4 @ 9"	NOT USED
6'-0"	5'-0"	1'-4"	2'-8"	#4 @ 9"	#4 @ 9"	#4 @ 9"	YES
8'-0"	6'-0"	1'-8"	3'-4"	#4 @ 8"	#4 @ 16"	#4 @ 9"	YES
10'-0"	7'-4"	2'-4"	4'-0"	#5 @ 8"	#5 @ 16"	#5 @ 8"	YES
12'-0"	8'-4"	2'-8"	4'-8"	#6 @ 8"	#6 @ 16"	#6 @ 10"	YES

VERTICAL RETAINING WALL DETAIL
N.T.S.



- NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR DEWATERING OF WORK AREAS. WHEN REQUIRED CONTRACTOR SHALL DEWATER EXCAVATED AREAS USING A CITY METHOD (I.E. SILT FENCE, HAY BALE DIKE, ROCK BERM, ETC.)
 2. CONTRACTOR SHALL PROVIDE TEMPORARY STAGING AND SPOILS AREA AS NEEDED AND PROVIDE ADDITIONAL SILT FENCE ALONG THE DOWNSTREAM SIDE OF THESE AREAS THROUGHOUT CONSTRUCTION.
 3. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP, OR REVEGETATION MATTING.
 4. CITY INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/ SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY RULES AND REGULATIONS.
 5. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER CITY REQUIREMENTS, OR AS DIRECTED BY THE CITY INSPECTOR.



LEGEND:	
PROPERTY LINE	_____
LOT LINE	_____
EXISTING EDGE OF PAVEMENT	_____
EXISTING MAJOR CONTOUR	_____105_____
EXISTING MINOR CONTOUR	_____104_____
PROPOSED MAJOR CONTOUR	_____115_____
PROPOSED MINOR CONTOUR	_____114_____
PROPOSED HIGH POINT	_____
PROPOSED SILT FENCE	_____
PROPOSED ROCK BERM	_____
PROPOSED INLET PROTECTION	_____
PROPOSED STABILIZED CONSTRUCTION ENTRANCE/EXIT	

EROSION CONTROL QUANTITIES		
SILT FENCE	1,640	LF
ROCK BERM	40	LF
STABILIZED CONSTRUCTION ENTRANCE	1	EA
LIMITS OF CONSTRUCTION	3.40	AC

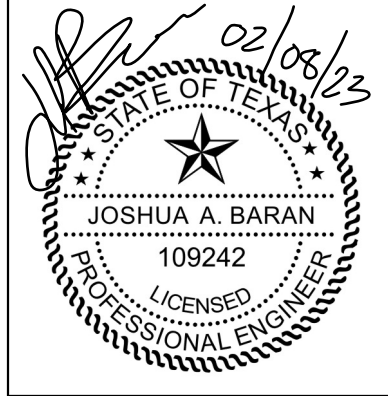
App.		Revisions		Date		No.	

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com

RIVERY
BUSINESS PARK

2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

EROSION /
SEDIMENTATION
CONTROL PLAN



Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.18
Sheet 18 OF 26
2021-28-SDP



Texas Commission on Environmental Quality
Water Pollution Abatement Plan
General Construction Notes

Edwards Aquifer Protection Program Construction Notes - Legal Disclaimer

The following listed "construction notes" are intended to be advisory in nature only and do not constitute an approval or conditional approval by the Executive Director (ED), nor do they constitute a comprehensive listing of rules or conditions to be followed during construction. Further actions may be required to achieve compliance with TCEQ regulations found in Title 30, Texas Administrative Code (TAC), Chapters 213 and 217, as well as local ordinances and regulations providing for the protection of water quality. Additionally, nothing contained in the following listed "construction notes" restricts the powers of the ED, the commission or any other governmental entity to prevent, correct, or curtail activities that result or may result in pollution of the Edwards Aquifer or hydrologically connected surface waters. The holder of any Edwards Aquifer Protection Plan containing "construction notes" is still responsible for compliance with Title 30, TAC, Chapters 213 or any other applicable TCEQ regulation, as well as all conditions of an Edwards Aquifer Protection Plan through all phases of plan implementation. Failure to comply with any condition of the ED's approval, whether or not in contradiction of any "construction notes," is a violation of TCEQ regulations and any violation is subject to administrative rules, orders, and penalties as provided under Title 30, TAC § 213.10 (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. The following listed "construction notes" in no way represent an approved exception by the ED to any part of Title 30 TAC, Chapters 213 and 217, or any other TCEQ applicable regulation

- A written notice 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.
- 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.
- 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.
- 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.
- 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 specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.
- 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.
- Sediment must be removed from the sediment traps or sedimentation basins not later than when it occupies 50% of the basin's design capacity.
- Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
- 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.
- 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.
- 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.
- The holder of any approved Edward 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:
 - 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;
 - 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;
 - any development of land previously identified as undeveloped in the original water pollution abatement plan.

Austin Regional Office
12100 Park 35 Circle, Building A
Austin, Texas 78753-1808
Phone (512) 339-2929
Fax (512) 339-3795

San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
Phone (210) 490-3096
Fax (210) 545-4329

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

TCEQ-0592 (Rev. July 15, 2015)



App.		Revisions		Date	No.

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
812-779-7414 (p)
josh.baran@jabeng.com

RIVERY
BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

TCEQ NOTES



Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB
C.20	
Sheet _20_ OF _26_	
2021-28-SDP	

Texas Commission on Environmental Quality
Water Pollution Abatement Plan
General Construction Notes

Edwards Aquifer Protection Program Construction Notes - Legal Disclaimer

The following listed "construction notes" are intended to be advisory in nature only and do not constitute an approval or conditional approval by the Executive Director (ED), nor do they constitute a comprehensive listing of rules or conditions to be followed during construction. Further actions may be required to achieve compliance with TCEQ regulations found in Title 30, Texas Administrative Code (TAC), Chapters 213 and 217, as well as local ordinances and regulations providing for the protection of water quality. Additionally, nothing contained in the following listed "construction notes" restricts the powers of the ED, the commission or any other governmental entity to prevent, correct, or curtail activities that result or may result in pollution of the Edwards Aquifer or hydrologically connected surface waters. The holder of any Edwards Aquifer Protection Plan containing "construction notes" is still responsible for compliance with Title 30, TAC, Chapters 213 or any other applicable TCEQ regulation, as well as all conditions of an Edwards Aquifer Protection Plan through all phases of plan implementation. Failure to comply with any condition of the ED's approval, whether or not in contradiction of any "construction notes" is a violation of TCEQ regulations and any violation is subject to administrative rules, orders, and penalties as provided under Title 30, TAC § 213.10 (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. The following listed "construction notes" in no way represent an approved exception by the ED to any part of Title 30 TAC, Chapters 213 and 217, or any other TCEQ applicable regulation

- A written notice 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.
- 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.
- 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.
- 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.
- 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 manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.
- 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.
- Sediment must be removed from the sediment traps or sedimentation basins not later than when it occupies 50% of the basin's design capacity.
- Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
- 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.
- 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.
- 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.
- The holder of any approved Edward 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:
 - 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;
 - 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;
 - any development of land previously identified as undeveloped in the original water pollution abatement plan.

Austin Regional Office
12100 Park 35 Circle, Building A
Austin, Texas 78753-1808
Phone (512) 339-2929
Fax (512) 339-3795

San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
Phone (210) 490-3096
Fax (210) 545-4329

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

TCEQ-0592 (Rev. July 15, 2015)

Texas Commission on Environmental Quality
Organized Sewage Collection System
General Construction Notes

Edwards Aquifer Protection Program Construction Notes - Legal Disclaimer

The following listed "construction notes" are intended to be advisory in nature only and do not constitute an approval or conditional approval by the Executive Director, nor do they constitute a comprehensive listing of rules or conditions to be followed during construction. Further actions may be required to achieve compliance with TCEQ regulations found in Title 30, Texas Administrative Code, Chapters 213 and 217, as well as local ordinances and regulations providing for the protection of water quality. Additionally, nothing contained in the following listed "construction notes" restricts the powers of the Executive Director, the commission or any other governmental entity to prevent, correct, or curtail activities that result or may result in pollution of the Edwards Aquifer or hydrologically connected surface waters. The holder of any Edwards Aquifer Protection Plan containing "construction notes" is still responsible for compliance with Title 30, Texas Administrative Code, Chapters 213 or any other applicable TCEQ regulation, as well as all conditions of an Edwards Aquifer Protection Plan through all phases of plan implementation. Failure to comply with any condition of the Executive Director's approval, whether or not in contradiction of any "construction notes" is a violation of TCEQ regulations and any violation is subject to administrative rules, orders, and penalties as provided under Title 30, Texas Administrative Code § 213.10 (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. The following listed "construction notes" in no way represent an approved exception by the Executive Director to any part of Title 30 Texas Administrative Code, Chapters 213 and 217, or any other TCEQ applicable regulation.

- This Organized Sewage Collection System (SCS) must be constructed in accordance with 30 Texas Administrative Code (TAC) §213.5(c), the Texas Commission on Environmental Quality's (TCEQ) Edwards Aquifer Rules and any local government standard specifications.
 - All contractors conducting regulated activities associated with this proposed regulated project must be provided with copies of the SCS plan and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors must be required to keep on-site copies of the plan and the approval letter.
 - A written notice of construction must be submitted to the presiding 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.
 - Any modification to the activities described in the referenced SCS application following the date of approval may require the submittal of an SCS application to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval.
 - Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the manufacturers specifications. These controls must remain in place until the disturbed areas have been permanently stabilized.
 - If any sensitive features are discovered during the wastewater line trenching activities, all regulated activities near the sensitive feature must be suspended immediately. The applicant must immediately notify the appropriate regional office of the TCEQ of the feature discovered. A geologist's assessment of the location and extent of the feature discovered must be reported to that regional office in writing and the applicant must submit a plan for ensuring the structural integrity of the sewer line or for modifying the proposed collection system alignment around the feature. The regulated activities near the sensitive feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the sensitive feature and the Edwards Aquifer from any potentially adverse impacts to water quality while maintaining the structural integrity of the line.
 - Sewer lines located within or crossing the 5-year floodplain of a drainage way will be protected from inundation and stream velocities which could cause erosion and scouring of backfill. The trench must be capped with concrete to prevent scouring of backfill, or the sewer lines must be encased in concrete. All concrete shall have a minimum thickness of 6 inches.
 - Blasting procedures for protection of existing sewer lines and other utilities will be in accordance with the National Fire Protection Association criteria. Sand is not allowed as bedding or backfill in trenches that have been blasted. If any existing sewer lines are damaged, the lines must be repaired and retested.
 - All manholes constructed or rehabilitated on this project must have watertight size on size resilient connectors allowing for differential settlement. If manholes are constructed within the 100-year floodplain, the cover must have a gasket and be bolted to the ring. Where gasketed manhole covers are required for more than three manholes in sequence or for more than 1500 feet, alternate means of venting will be provided. Bricks are not an acceptable construction material for any portion of the manhole.
- The diameter of the manholes must be a minimum of four feet and the manhole for entry must have a minimum clear opening diameter of 30 inches. These dimensions and other details showing compliance with the commission's rules concerning manholes and sewer line/manhole inverts described in 30 TAC §217.55 are included on Plan Sheet ___ of ____.

It is suggested that entrance into manholes in excess of four feet deep be accomplished by means of a portable ladder. The inclusion of steps in a manhole is prohibited.

- Where water lines and new sewer line are installed with a separation distance closer than nine feet (i.e., water lines crossing wastewater lines, water lines paralleling wastewater lines, or water lines next to manholes) the installation must meet the requirements of 30 TAC §217.53(d) (Pipe Design) and 30 TAC §290.44(e) (Water Distribution).
- Where sewers lines deviate from straight alignment and uniform grade all curvature of sewer pipe must be achieved by the following procedure which is recommended by the pipe manufacturer: _____

If pipe flexure is proposed, the following method of preventing deflection of the joint must be used: _____

Specific care must be taken to ensure that the joint is placed in the center of the trench and properly bedded in accordance with 30 TAC §217.54.
- New sewage collection system lines must be constructed with stub outs for the connection of anticipated extensions. The location of such stub outs must be marked on the ground such that their location can be easily determined at the time of connection of the extensions. Such stub outs must be installed with wyes or tees that are compatible in size with both the sewer line and the extension. At the time of original construction, new stub-outs must be constructed sufficiently to extend beyond the end of the street pavement. All stub-outs must be sealed with a manufactured cap to prevent leakage. Extensions that were not anticipated at the time of original construction or that are to be connected to an existing sewer line not furnished with stub outs must be connected using a manufactured saddle and in accordance with accepted plumbing techniques.
- If no stub-out is present an alternate method of joining laterals is shown in the detail on Plan Sheet ___ of ____ (For potential future laterals).
- The private service lateral stub-outs must be installed as shown on the plan and profile sheets on Plan Sheet ___ of ____ and marked after backfilling as shown in the detail on Plan Sheet ___ of ____.
- Trenching, bedding and backfill must conform with 30 TAC §217.54. The bedding and backfill for flexible pipe must comply with the standards of ASTM D-2321, Classes IA, IB, II or III. Rigid pipe bedding must comply with the requirements of ASTM C 12 (ANSI A 106.2) classes A, B or C.
- Sewer lines must be tested from manhole to manhole. When a new sewer line is connected to an existing stub or clean-out, it must be tested from existing manhole to new manhole. If a stub or clean-out is used at the end of the proposed sewer line, no private service attachments may be connected between the last manhole and the cleanout unless it can be certified as conforming with the provisions of 30 TAC §213.5(c)(3)(E).
- All sewer lines must be tested in accordance with 30 TAC §217.57. The engineer must retain copies of all test results which must be made available to the executive director upon request. The engineer must certify in writing that all wastewater lines have passed all required testing to the appropriate regional office within 30 days of test completion and prior to use of the new collection system. Testing method will be:
 - For a collection system pipe that will transport wastewater by gravity flow, the design must specify an infiltration and exfiltration test or a low-pressure air test. A test must conform to the following requirements:
 - Low Pressure Air Test
 - A low pressure air test must follow the procedures described in American Society For Testing And Materials (ASTM) C-828, ASTM C-924, or ASTM F-1417 or other procedure approved by the executive director, except as to testing times as required in Table C.3 in subparagraph (C) of this paragraph or Equation C.3 in subparagraph (B)(i) of this paragraph.
 - For sections of collection system pipe less than 36 inch average inside diameter, the following procedure must apply, unless a pipe is to be tested as required by paragraph (2) of this subsection.
 - A pipe must be pressurized to 3.5 pounds per square inch (psi) greater than the pressure exerted by groundwater above the pipe.
 - Once the pressure is stabilized, the minimum time allowable for the pressure to drop from 3.5 psi gauge to 2.5 psi gauge is computed from the following equation:

$$\text{Equation C.3} \quad T = \frac{0.085 \times D \times K}{Q}$$

Where:

T = time for pressure to drop 1.0 pound per square inch gauge in seconds
K = 0.000419 X D X L, but not less than 1.0
D = average inside pipe diameter in inches
L = length of line of same size being tested, in feet
Q = rate of loss, 0.0015 cubic feet per minute per square foot internal surface

- Since a K value of less than 1.0 may not be used, the minimum testing time for each pipe diameter is shown in the following Table C.3:

Pipe Diameter (inches)	Minimum Time (seconds)	Maximum Length for Minimum Time (feet)	Time for Longer Length (seconds/foot)
6	340	388	0.855
8	454	288	1.520
10	567	239	2.374
12	680	199	3.419
15	850	159	5.342
18	1020	133	7.693
21	1190	114	10.471
24	1360	100	13.606
27	1530	88	17.369
30	1700	80	21.269
33	1870	72	25.969

- An owner may stop a test if no pressure loss has occurred during the first 25% of the calculated testing time.
 - If any pressure loss or leakage has occurred during the first 25% of a testing period, then the test must continue for the entire test duration as outlined above or until failure.
 - Wastewater collection system pipes with a 27 inch or larger average inside diameter may be air tested at each joint instead of following the procedure outlined in this section.
 - A testing procedure for pipe with an inside diameter greater than 33 inches must be approved by the executive director.
- Infiltration/Exfiltration Test.**
 - The total exfiltration, as determined by a hydrostatic head test, must not exceed 50 gallons per inch of diameter per mile of pipe per 24 hours at a minimum test head of 2.0 feet above the crown of a pipe at an upstream manhole.
 - An owner shall use an infiltration test in lieu of an exfiltration test when pipes are installed below the groundwater level.
 - The total exfiltration, as determined by a hydrostatic head test, must not exceed 50 gallons per inch diameter per mile of pipe per 24 hours at a minimum test head of two feet above the crown of a pipe at an upstream manhole, or at least two feet above existing groundwater level, whichever is greater.
 - For construction within a 25-year flood plain, the infiltration or exfiltration must not exceed 10 gallons per inch diameter per mile of pipe per 24 hours at the same minimum test head as in subparagraph (C) of this paragraph.
 - If the quantity of infiltration or exfiltration exceeds the maximum quantity specified, an owner shall undertake remedial action in order to reduce the infiltration or exfiltration to an amount within the limits specified. An owner shall retest a pipe following a remediation action.
 - If a gravity collection pipe is composed of flexible pipe, deflection testing is also required. The following procedures must be followed:
 - For a collection pipe with inside diameter less than 27 inches, deflection measurement requires a rigid mandrel.
 - Mandrel Sizing.**
 - A rigid mandrel must have an outside diameter (OD) not less than 95% of the base inside diameter (ID) or average ID of a pipe, as specified in the appropriate standard by the ASTMs, American Water Works Association, UNI-BELL, or American National Standards Institute, or any related appendix.
 - If a mandrel sizing diameter is not specified in the appropriate standard, the mandrel must have an OD equal to 95% of the ID of a pipe. In this case, the ID of the pipe, for the purpose of determining the OD of the mandrel, must equal be the average outside diameter minus two minimum wall thicknesses for OD controlled pipe and the average inside diameter for ID controlled pipe.
 - All dimensions must meet the appropriate standard.
 - Mandrel Design.**
 - A rigid mandrel must be constructed of a metal or a rigid plastic material that can withstand 200 psi without being deformed.
 - A mandrel must have nine or more odd number of runners or legs.
 - A barrel section length must equal at least 75% of the inside diameter of a pipe.
 - Each size mandrel must use a separate proving ring.
 - Method Options.**
 - An adjustable or flexible mandrel is prohibited.
 - A test may not use television inspection as a substitute for a deflection test.
 - If requested, the executive director may approve the use of a deflectometer or a mandrel with removable legs or runners on a case-by-case basis.
 - For a gravity collection system pipe with an inside diameter 27 inches and greater, other test methods may be used to determine vertical deflection.
 - A deflection test method must be accurate to within plus or minus 0.2% deflection.
 - An owner shall not conduct a deflection test until at least 30 days after the final backfill.
 - Gravity collection system pipe deflection must not exceed five percent (5%).
 - If a pipe section fails a deflection test, an owner shall correct the problem and conduct a second test after the final backfill has been in place at least 30 days.
- All manholes must be tested to meet or exceed the requirements of 30 TAC §217.58.
 - All manholes must pass a leakage test.
 - An owner shall test each manhole (after assembly and backfilling) for leakage, separate and independent of the collection system pipes, by hydrostatic exfiltration testing, vacuum testing, or other method approved by the executive director.
 - Hydrostatic Testing.
 - The maximum leakage for hydrostatic testing or any alternative test methods is 0.025 gallons per foot diameter per foot of manhole depth per hour.
 - To perform a hydrostatic exfiltration test, an owner shall seal all wastewater pipes coming into a manhole with an internal pipe plug, fill the manhole with water, and maintain the test for at least one hour.
 - A test for concrete manholes may use a 24-hour wetting period before testing to allow saturation of the concrete.
 - Vacuum Testing.
 - To perform a vacuum test, an owner shall plug all lift holes and exterior joints with a non-shrink grout and plug all pipes entering a manhole.
 - No grout must be placed in horizontal joints before testing.
 - Stub-outs, manhole boots, and pipe plugs must be secured to prevent movement while a vacuum is drawn.
 - An owner shall use a minimum 60 inch/lb torque wrench to tighten the external clamps that secure a test cover to the top of a manhole.
 - A test head must be placed at the inside of the top of a cone section, and the seal inflated in accordance with the manufacturer's recommendations.
 - There must be a vacuum of 10 inches of mercury inside a manhole to perform a valid test.
 - A test does not begin until after the vacuum pump is off.
 - A manhole passes the test if after 2.0 minutes and with all valves closed, the vacuum is at least 9.0 inches of mercury.
- All private service laterals must be inspected and certified in accordance with 30 TAC §213.5(c)(3)(I). After installation of and, prior to covering and connecting a private service lateral to an existing organized sewage collection system, a Texas Licensed Professional Engineer, Texas Registered Sanitarian, or appropriate city inspector must visually inspect the private service lateral and the connection to the sewage collection system, and certify that it is constructed in conformity with the applicable provisions of this section. The owner of the collection system must maintain such certifications for five years and forward copies to the appropriate regional office upon request. Connections may only be made to an approved sewage collection system.

Austin Regional Office
12100 Park 35 Circle, Building A
Austin, Texas 78753-1808
Phone (512) 339-2929
Fax (512) 339-3795
San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
Phone (210) 490-3096
Fax (210) 545-4329

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



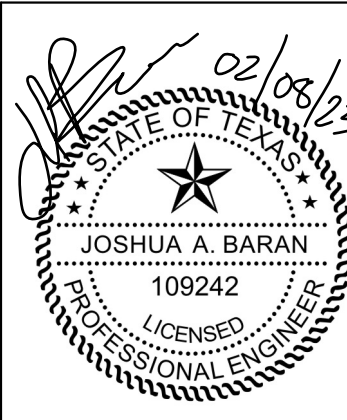
App.									
Revisions									
Date									
No.									

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
612-779-7414 (p)
josh.baran@jabeng.com



RIVERY
BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

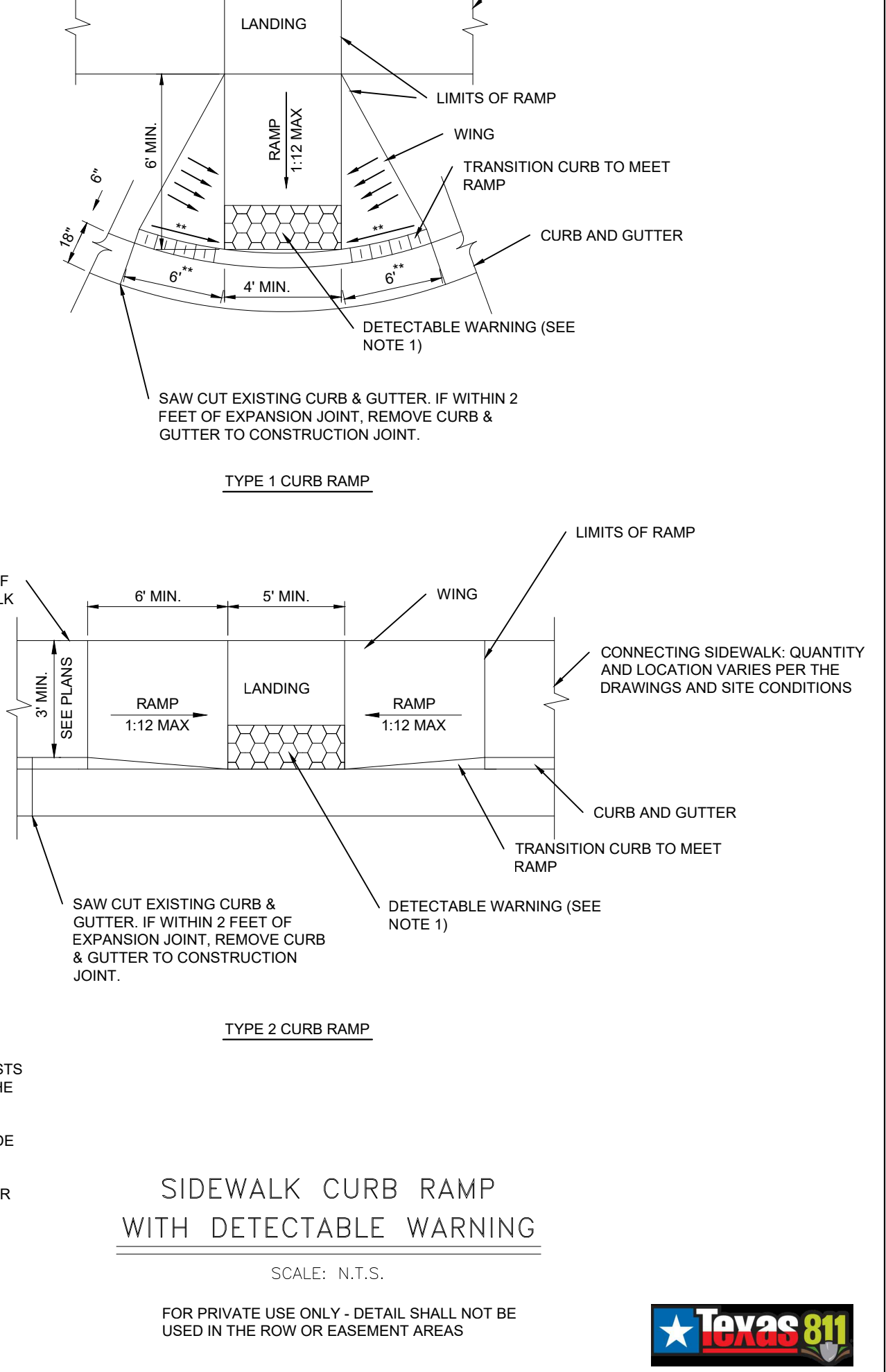
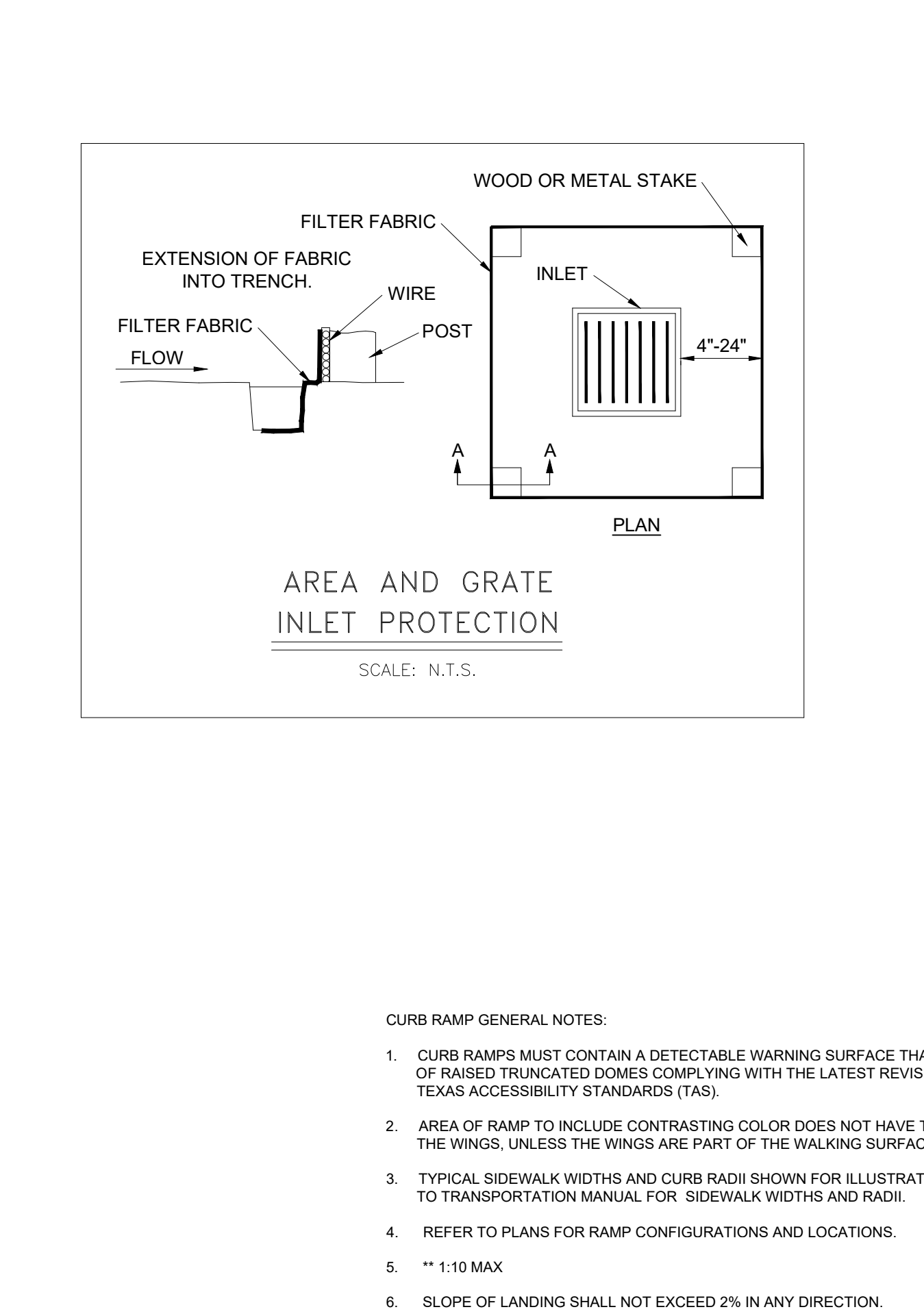
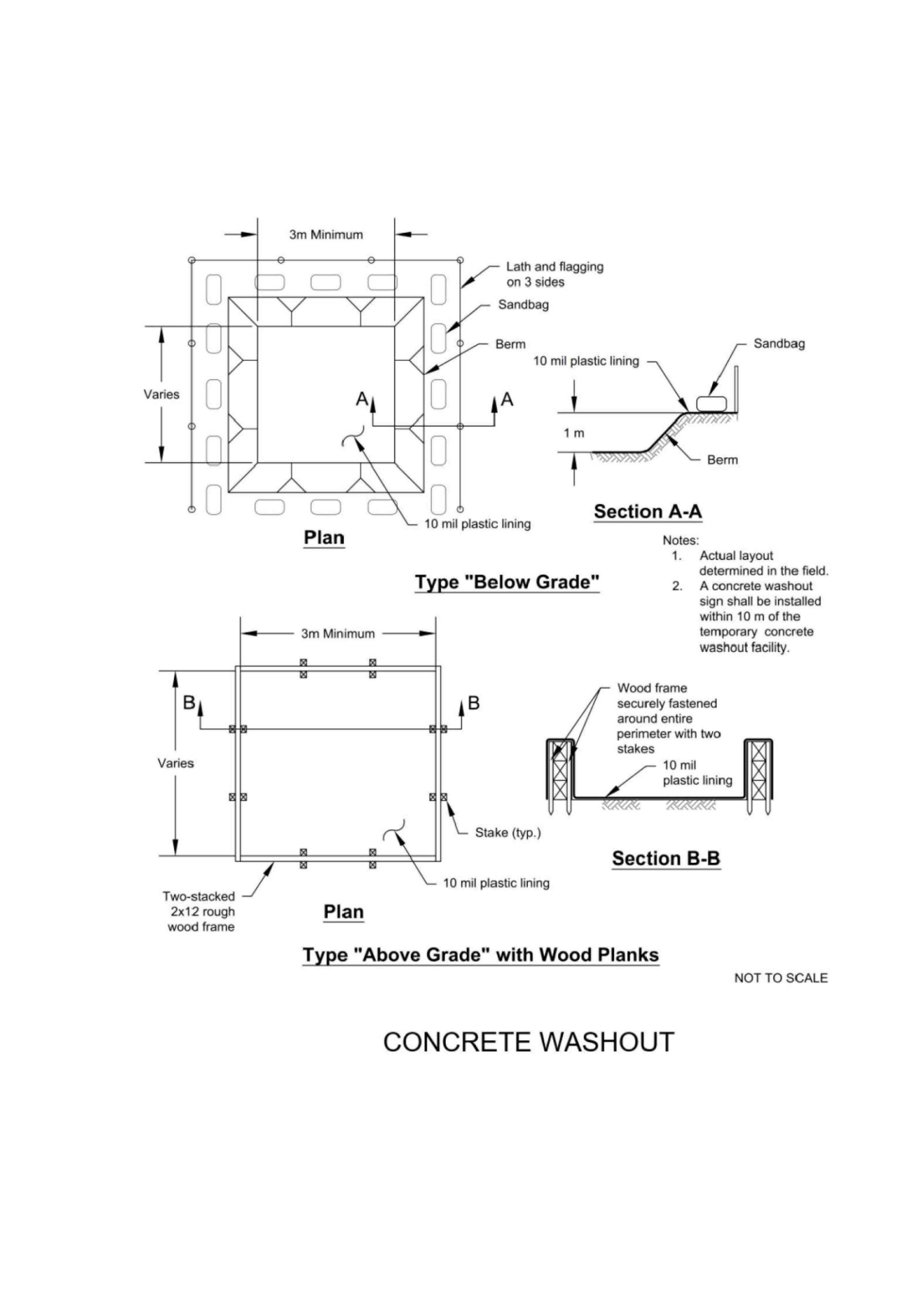
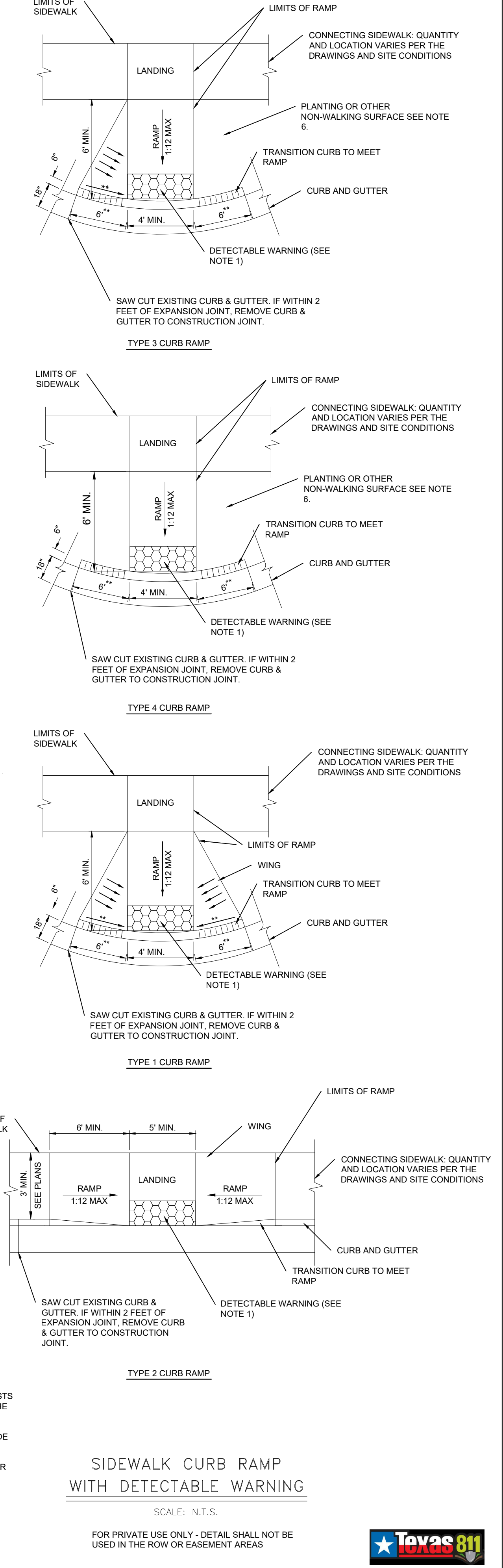
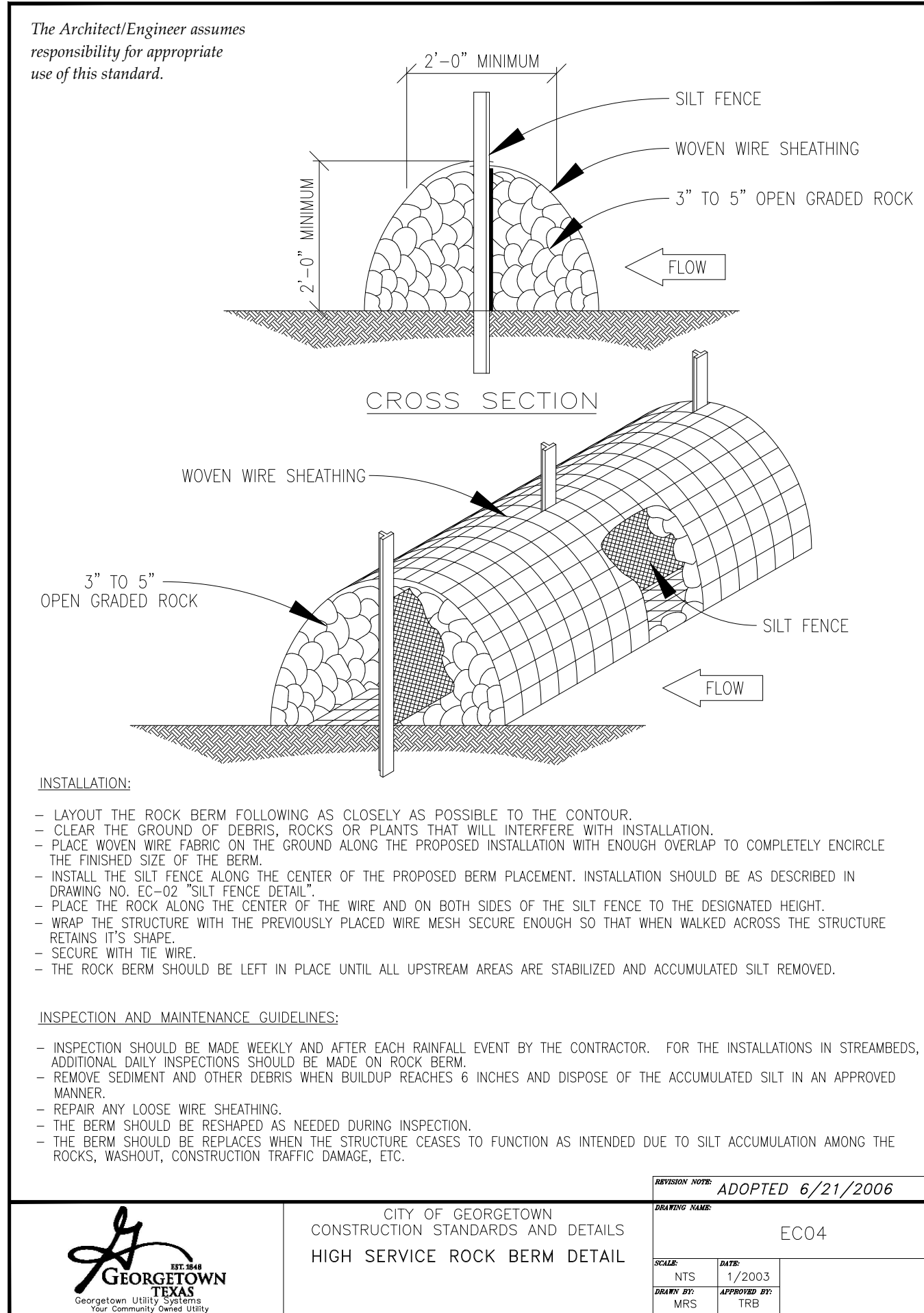
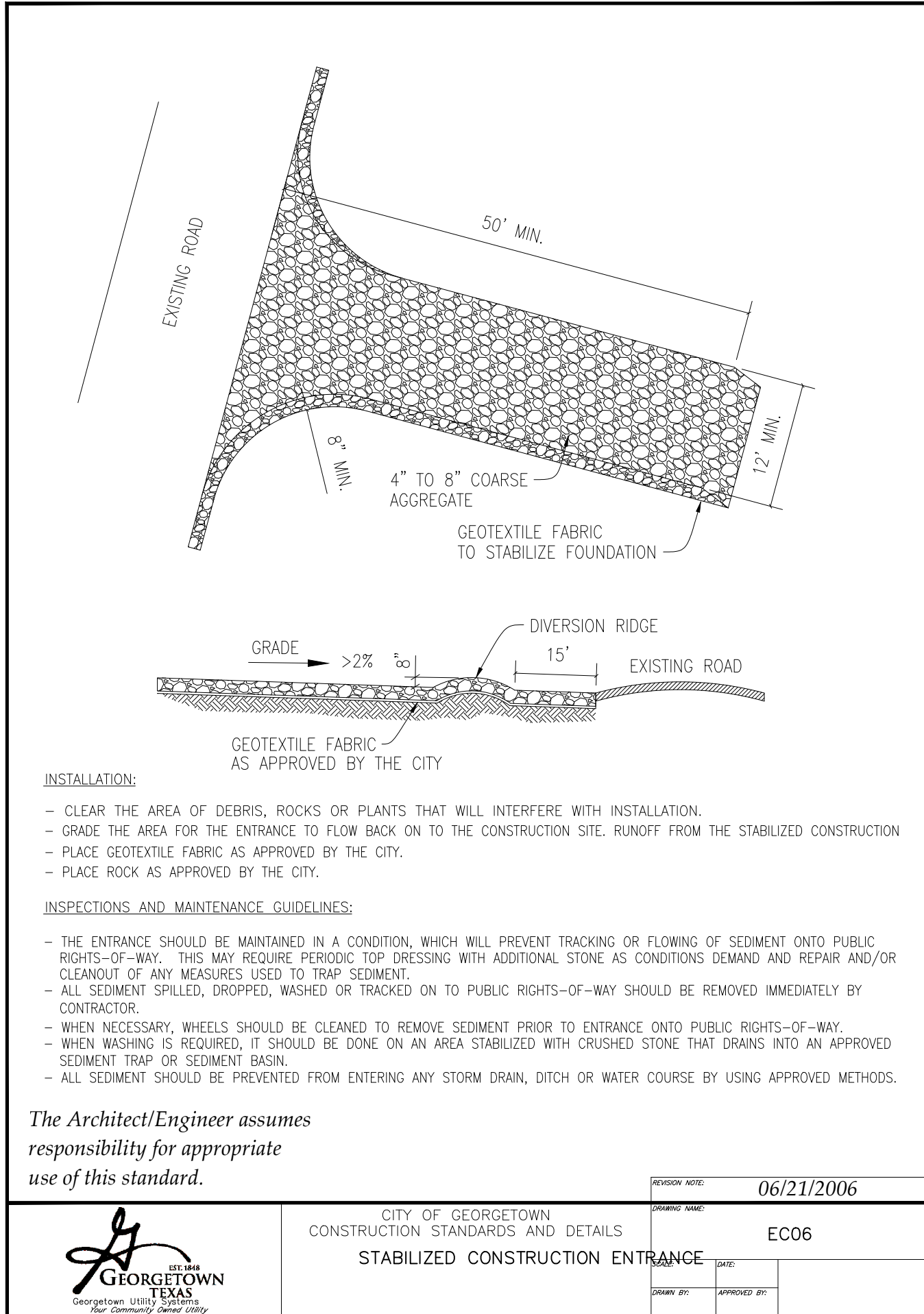
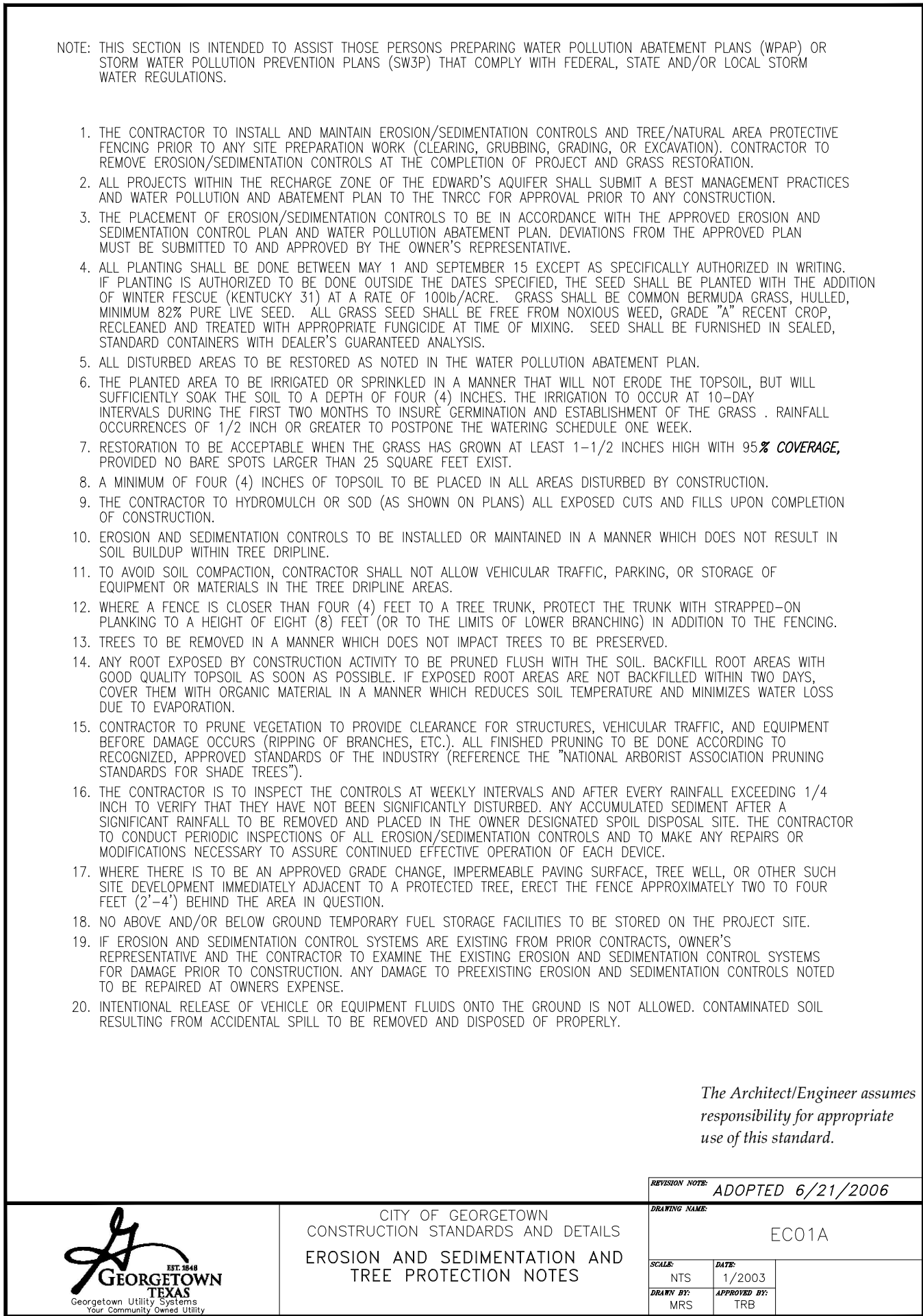
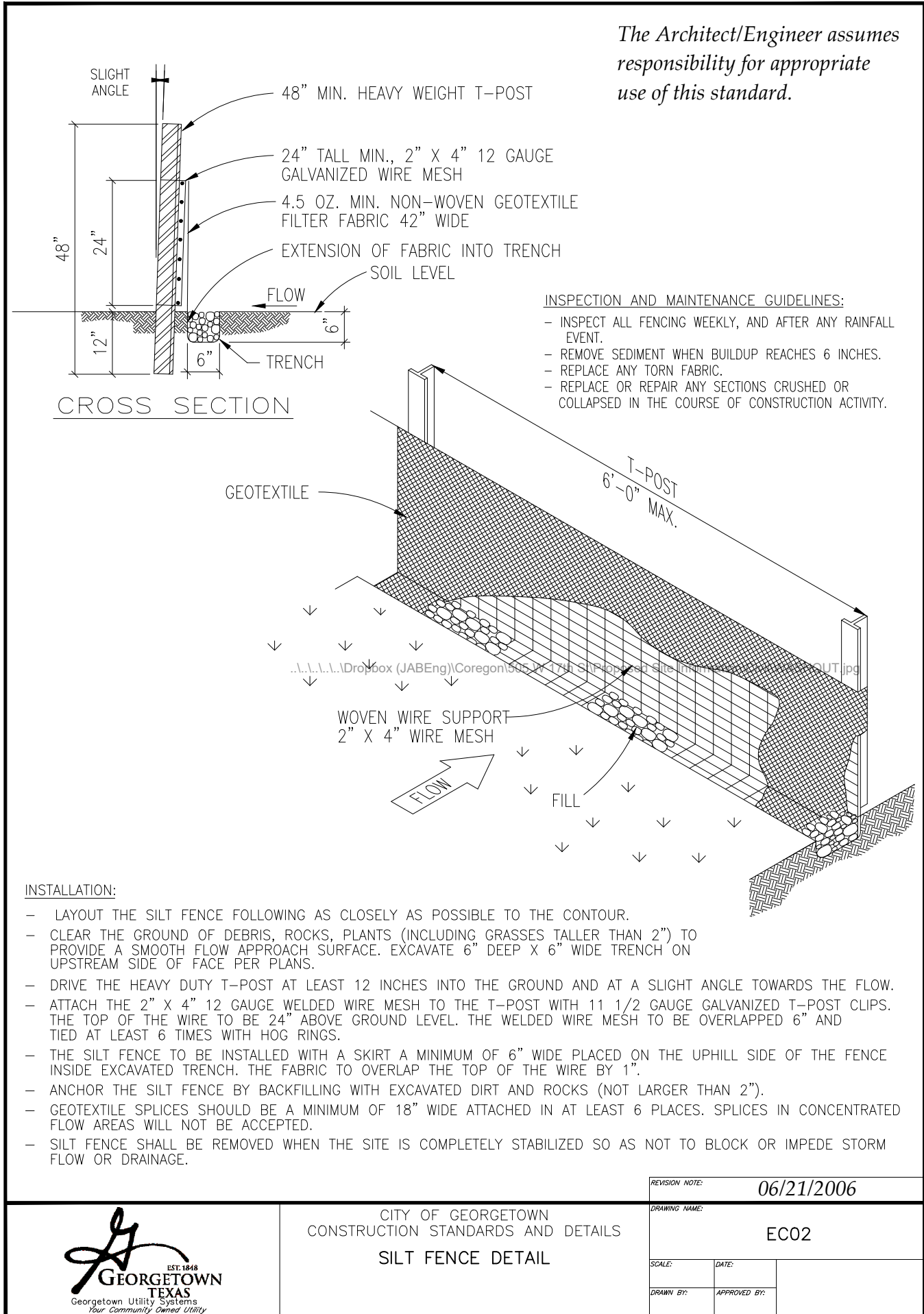
TCEQ NOTES



Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.20

Sheet 20 OF 26
2021-28-SDP



JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com

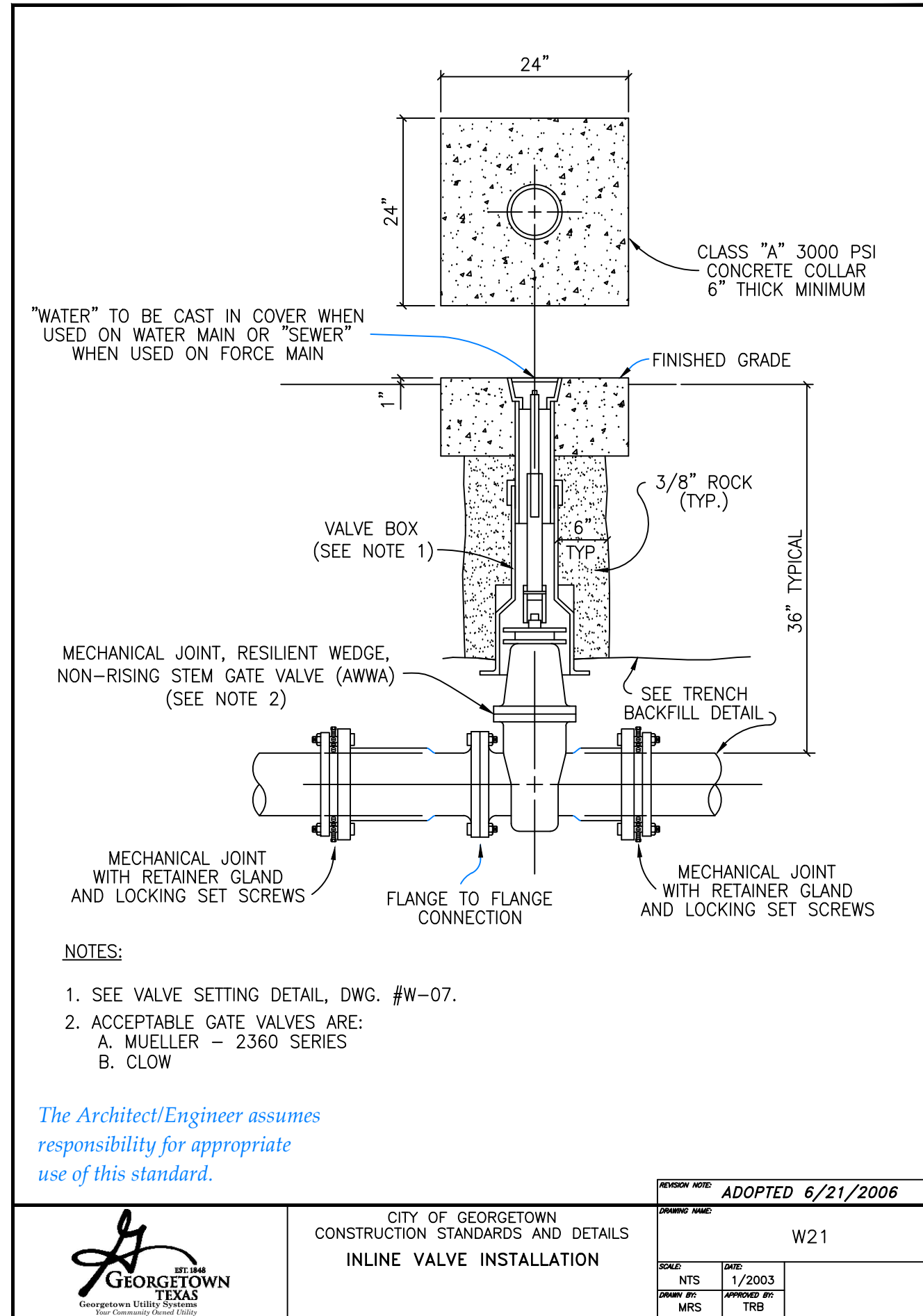
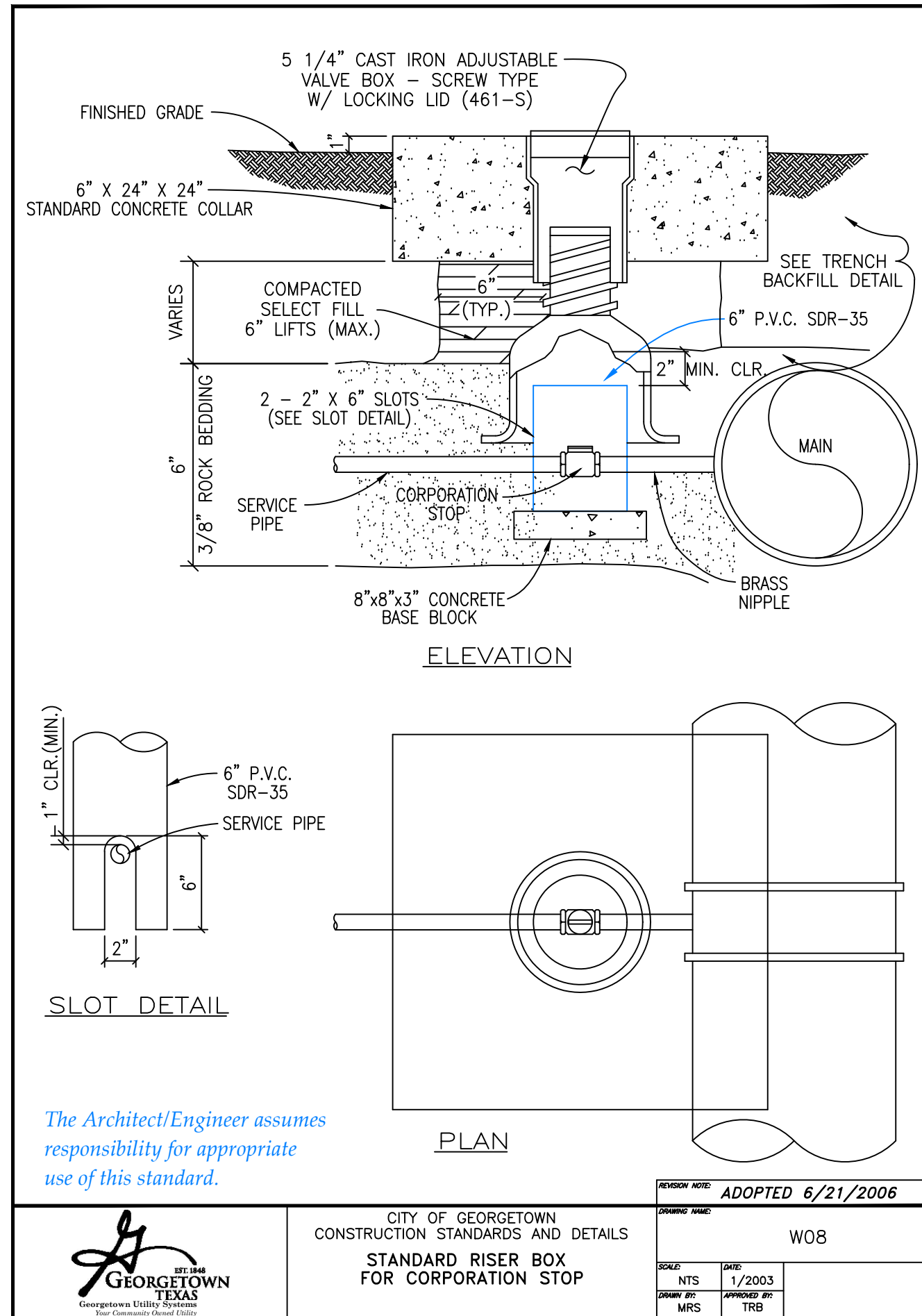
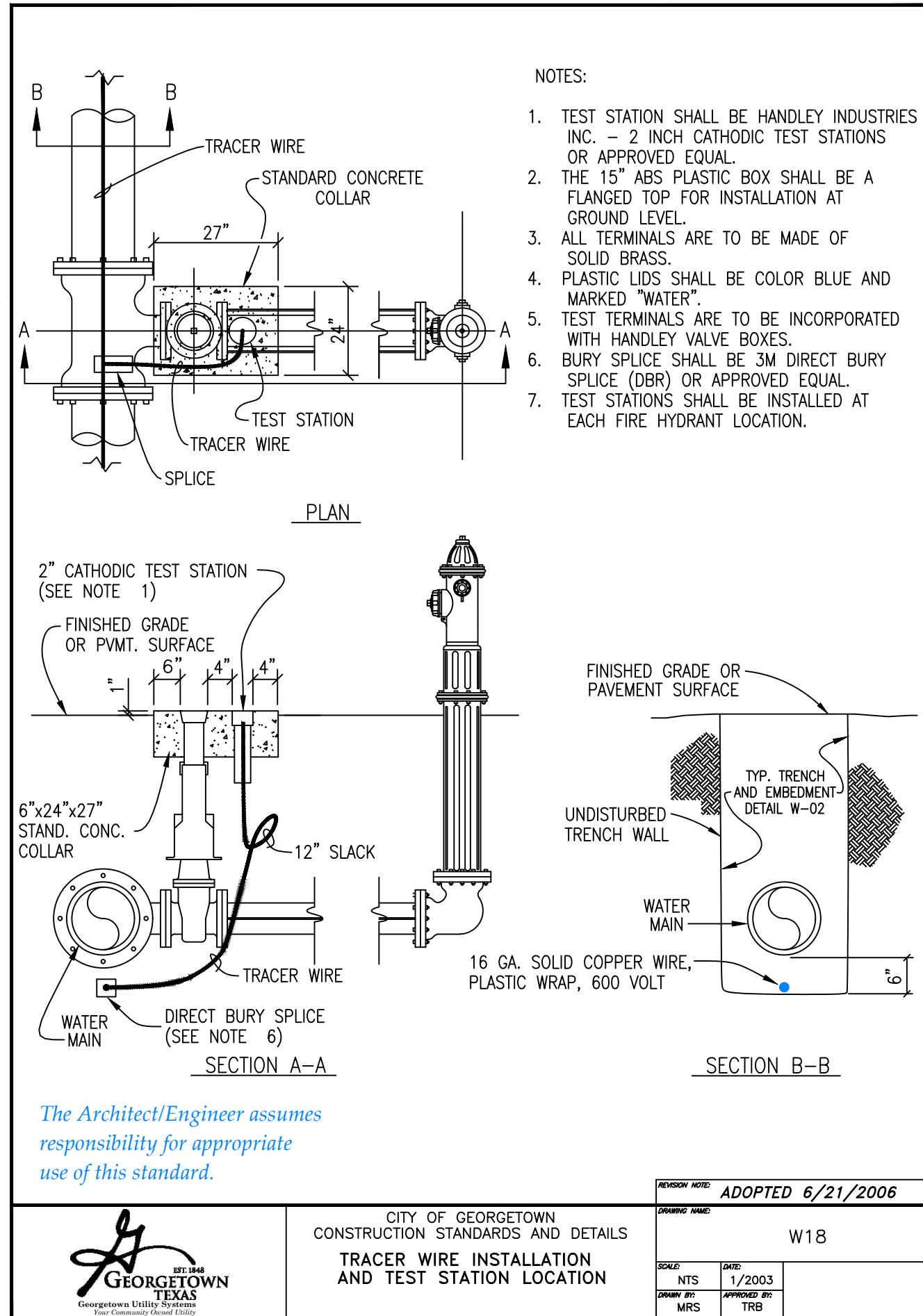
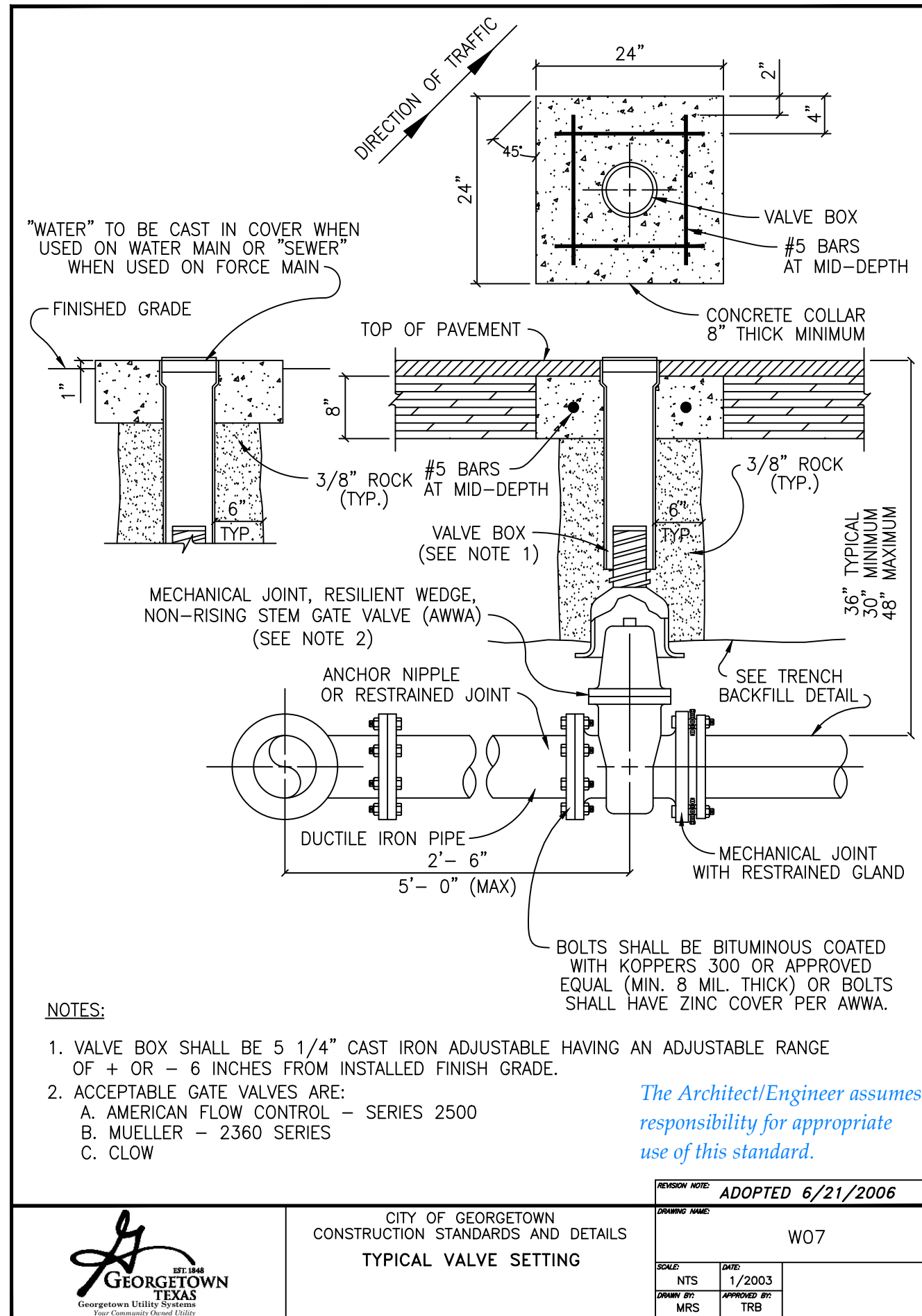
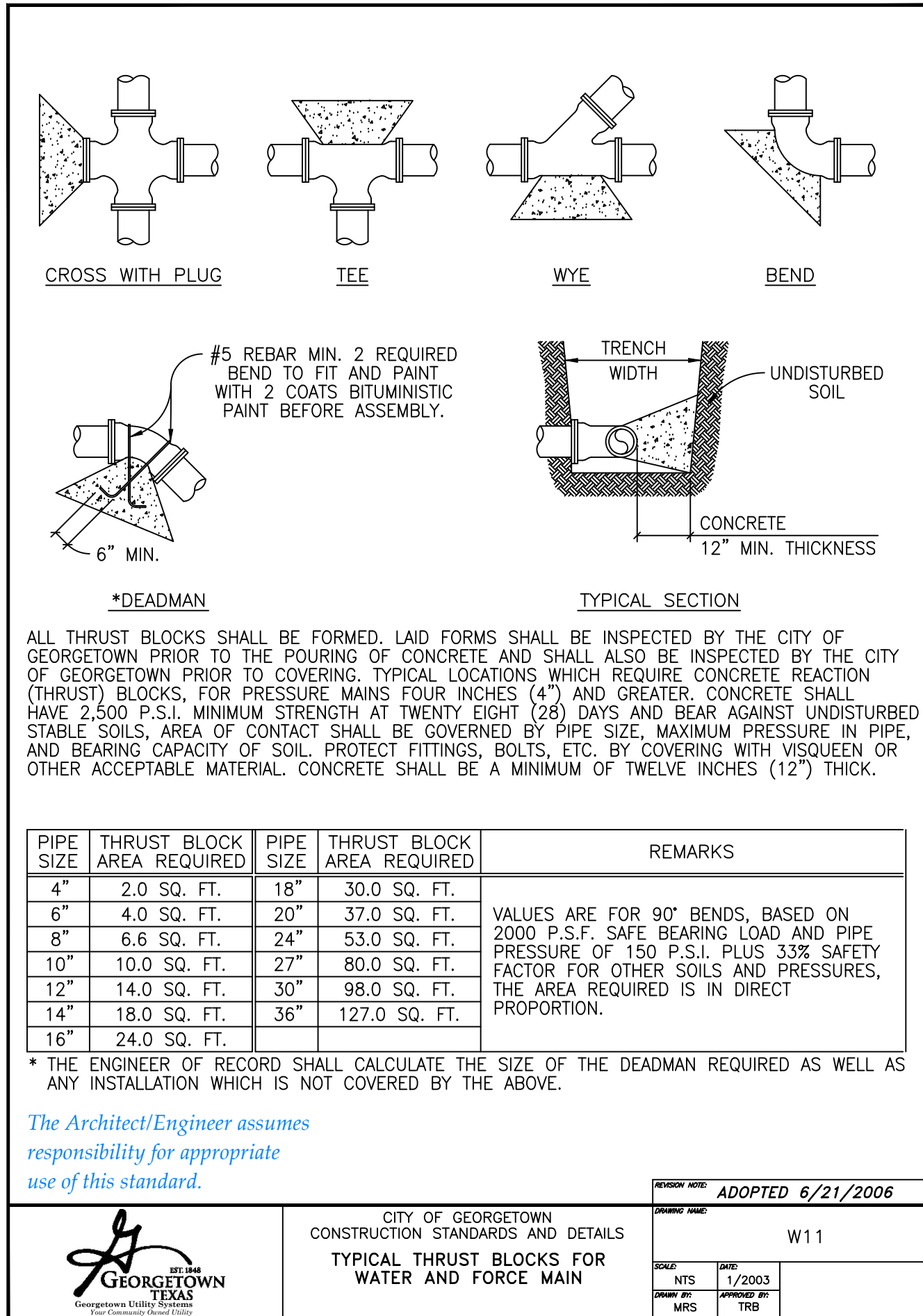
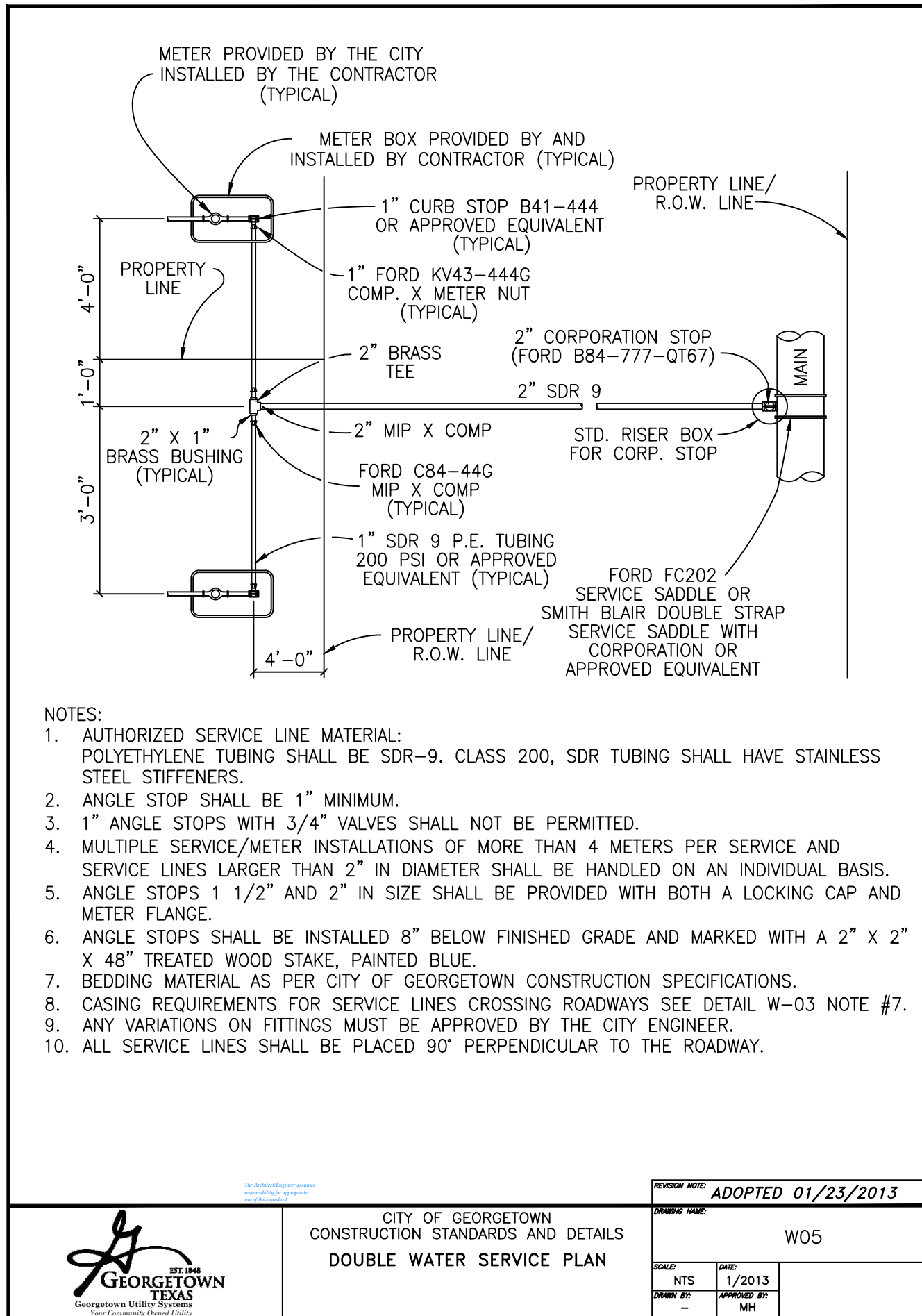
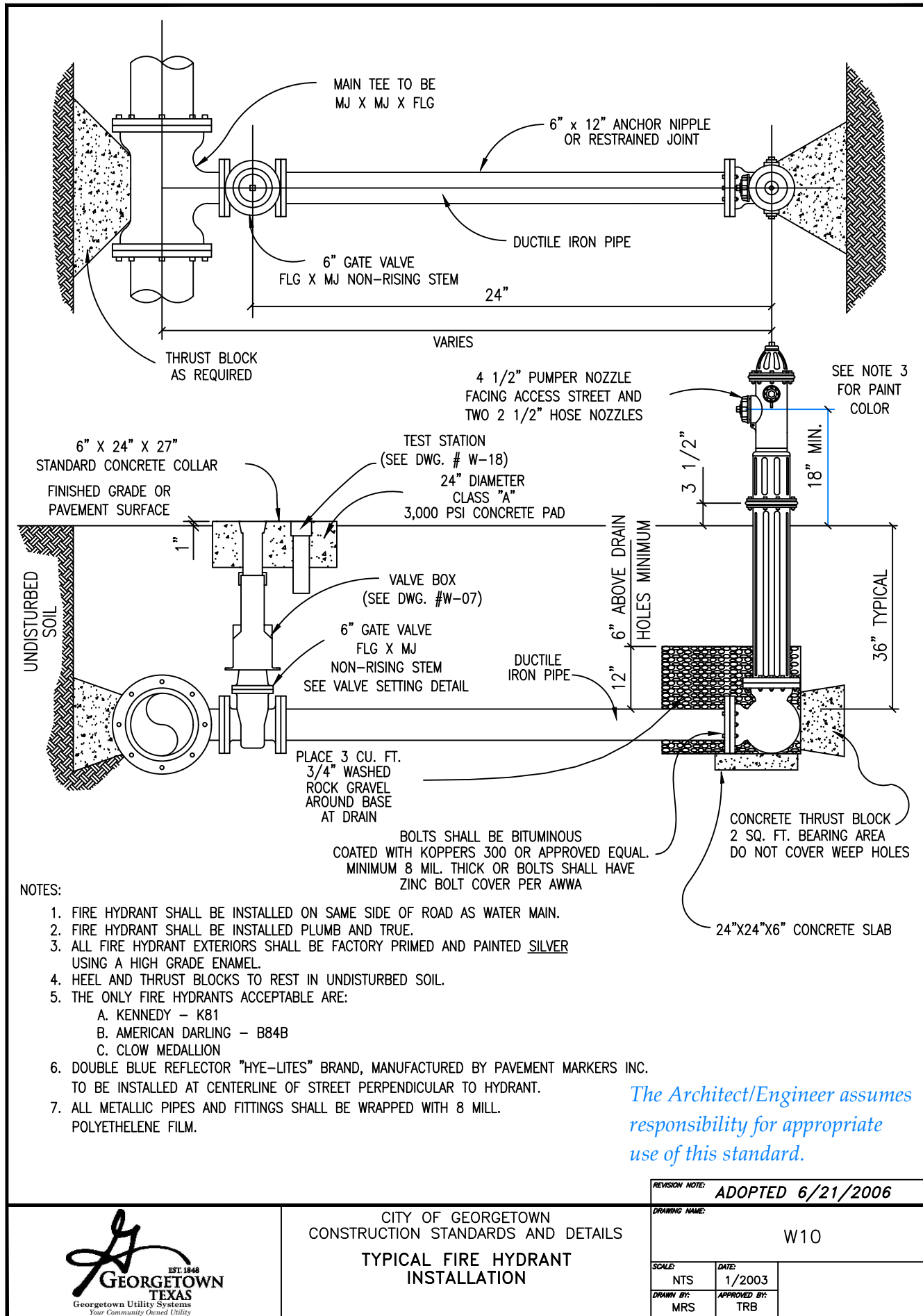
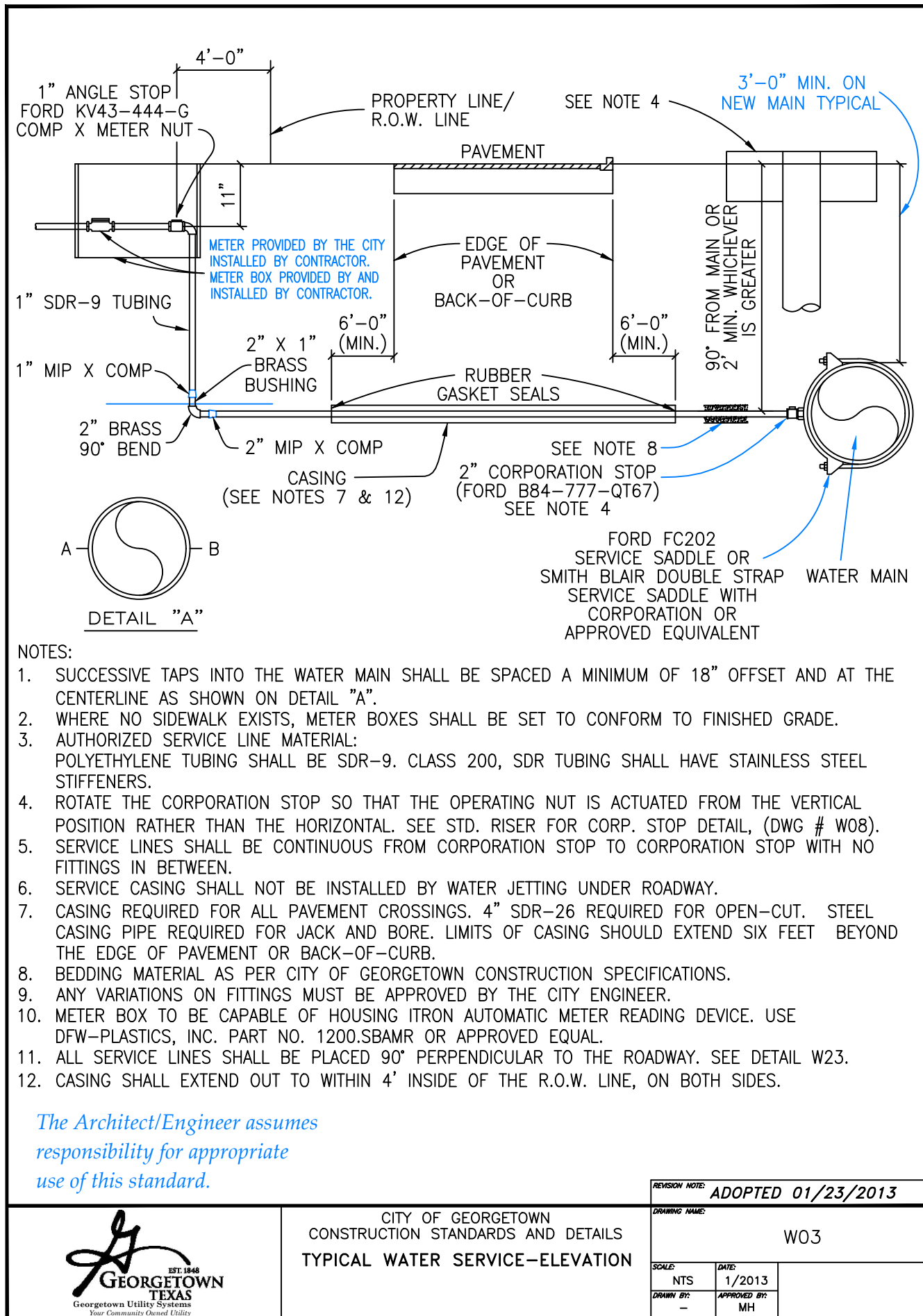
RIVERY BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

DETAILS

STATE OF TEXAS
JOSHUA A. BARAN
109242
LICENSED PROFESSIONAL ENGINEER

Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.22
Sheet 22 OF 26
2021-28-SDP



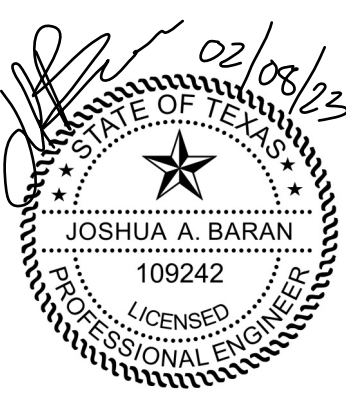
App.	
Revisions	
Date	
No.	

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
612-779-7414 (p)
josh.baran@jabeng.com



RIVERY BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

DETAILS

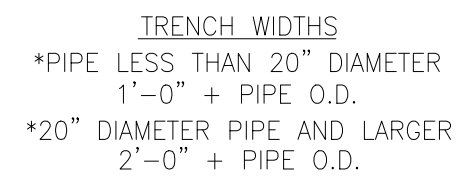


Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.23

Sheet 23 OF 26

2021-28-SDP



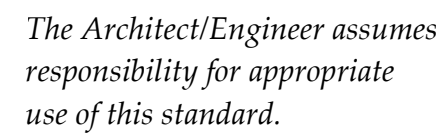
NOTES:

1. DENSITY TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE CITY OF GEORGETOWN CONSTRUCTION SPECIFICATIONS AND STANDARDS.
2. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL (SEE C9 FLOWABLE BACKFILL FOR THE SPECIFICATION).



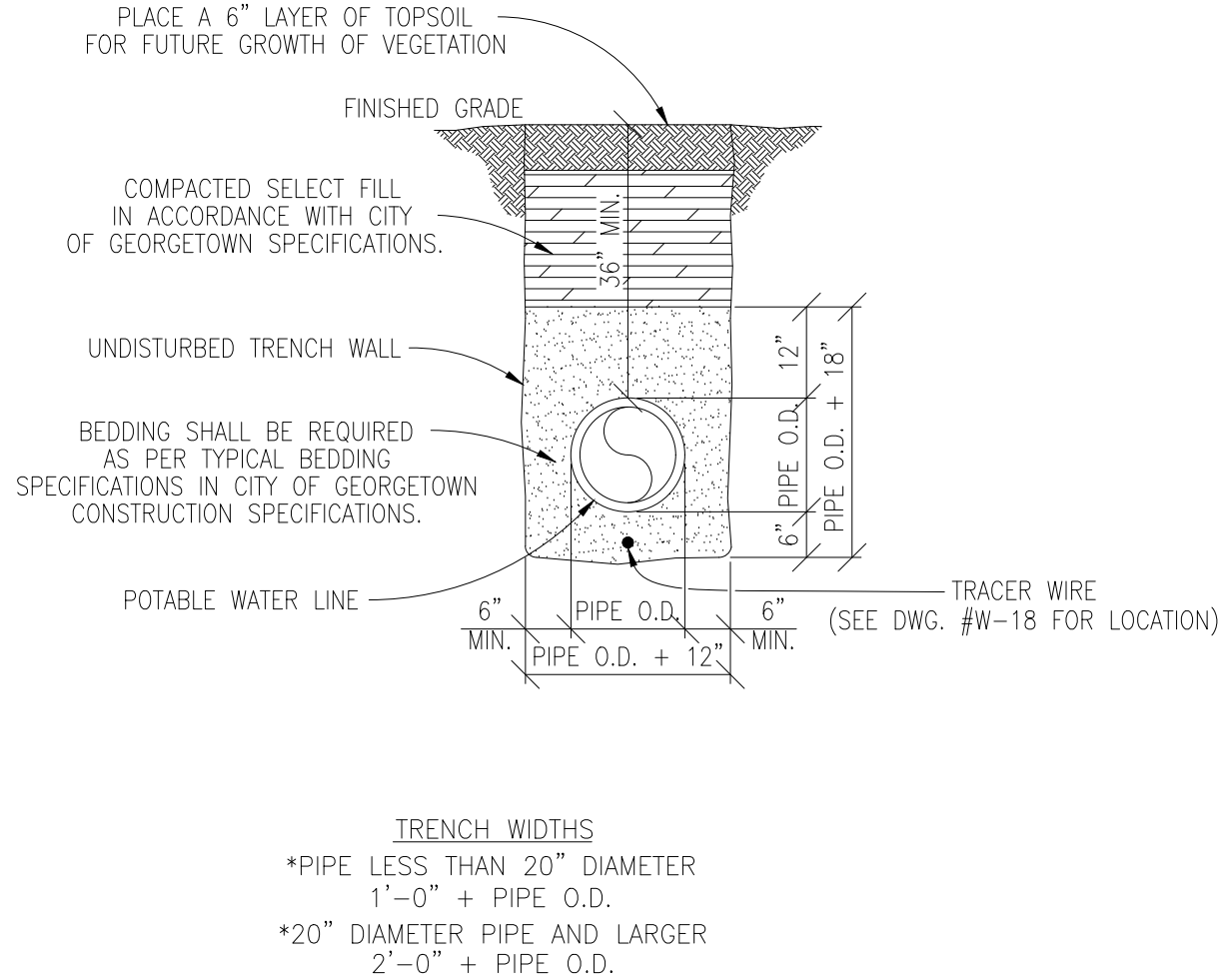
CITY OF GEORGETOWN
CONSTRUCTION STANDARDS AND DETAILS
TRENCH AND EMBEDMENT DETAIL
UNDER PROPOSED ROADWAY

ADOPTED 6/21/2006	
W22	
SCALE: NTS	DATE: 1/2003
SUBJECT: MRS	APPROVED BY: TRB



CITY OF GEORGETOWN
CONSTRUCTION STANDARDS AND DETAILS
METER BOX (NON-TRAFFIC AREAS)

REVISION: NONE		06/21/2006	
DRAWING NAME:		W23	
SCALE:	DATE:		
DRAWN BY:	APPROVED BY:		



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

ADOPTION DATE		ADOPTED 6/21/2006	
SECURING NAME		W02	
ROLE	DATE		
NTS	1/2003		
MAINT BY:	APPROVED BY:		
MRS	TRB		

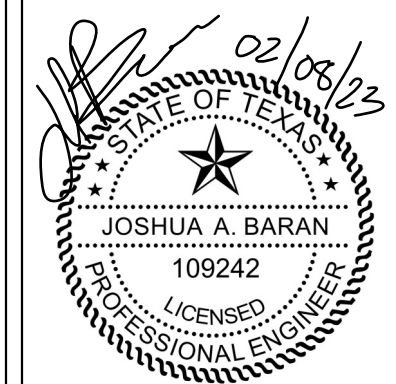
[illegible]

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com



**RIVERY
BUSINESS PARK**
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

DETAILS

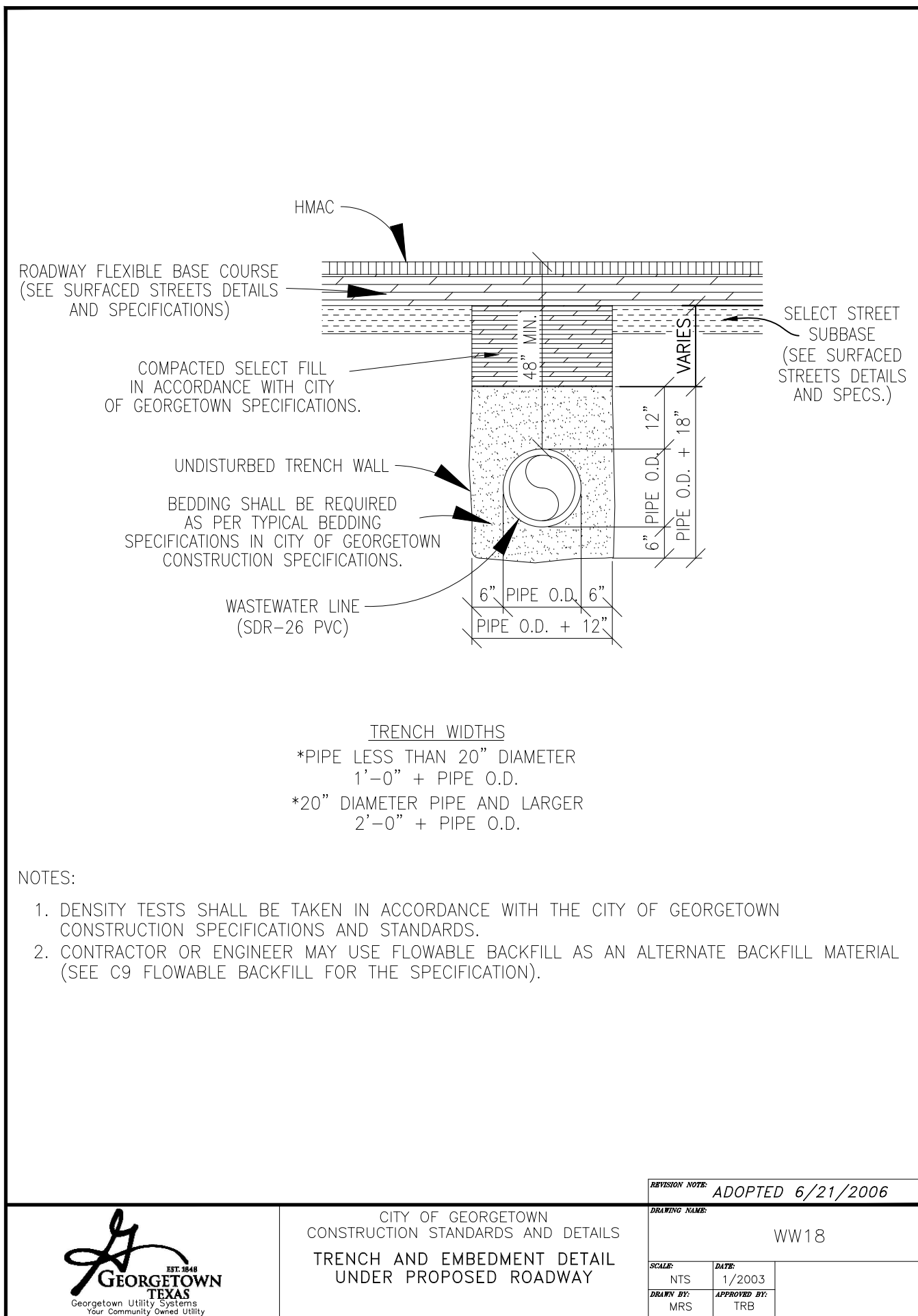
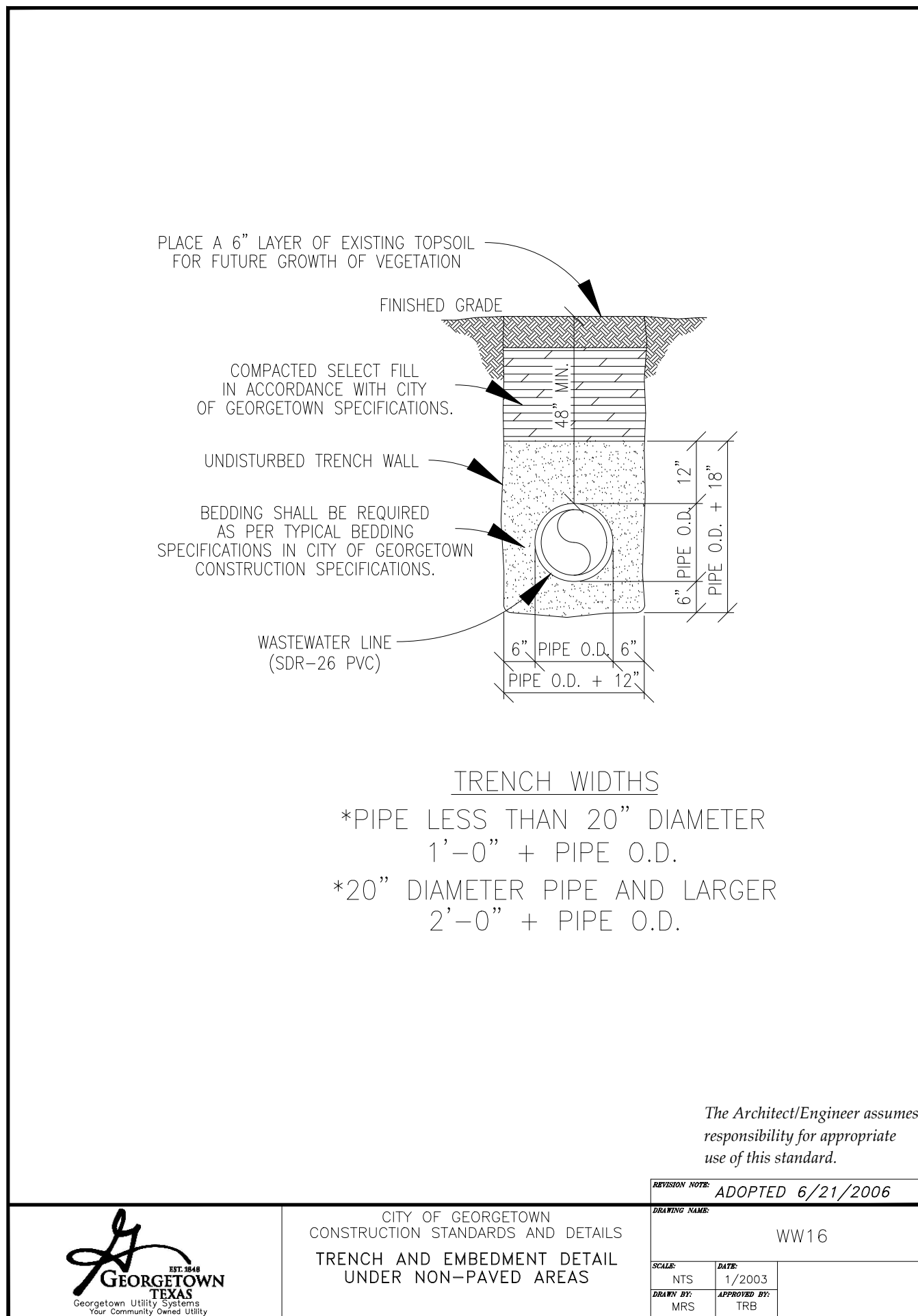
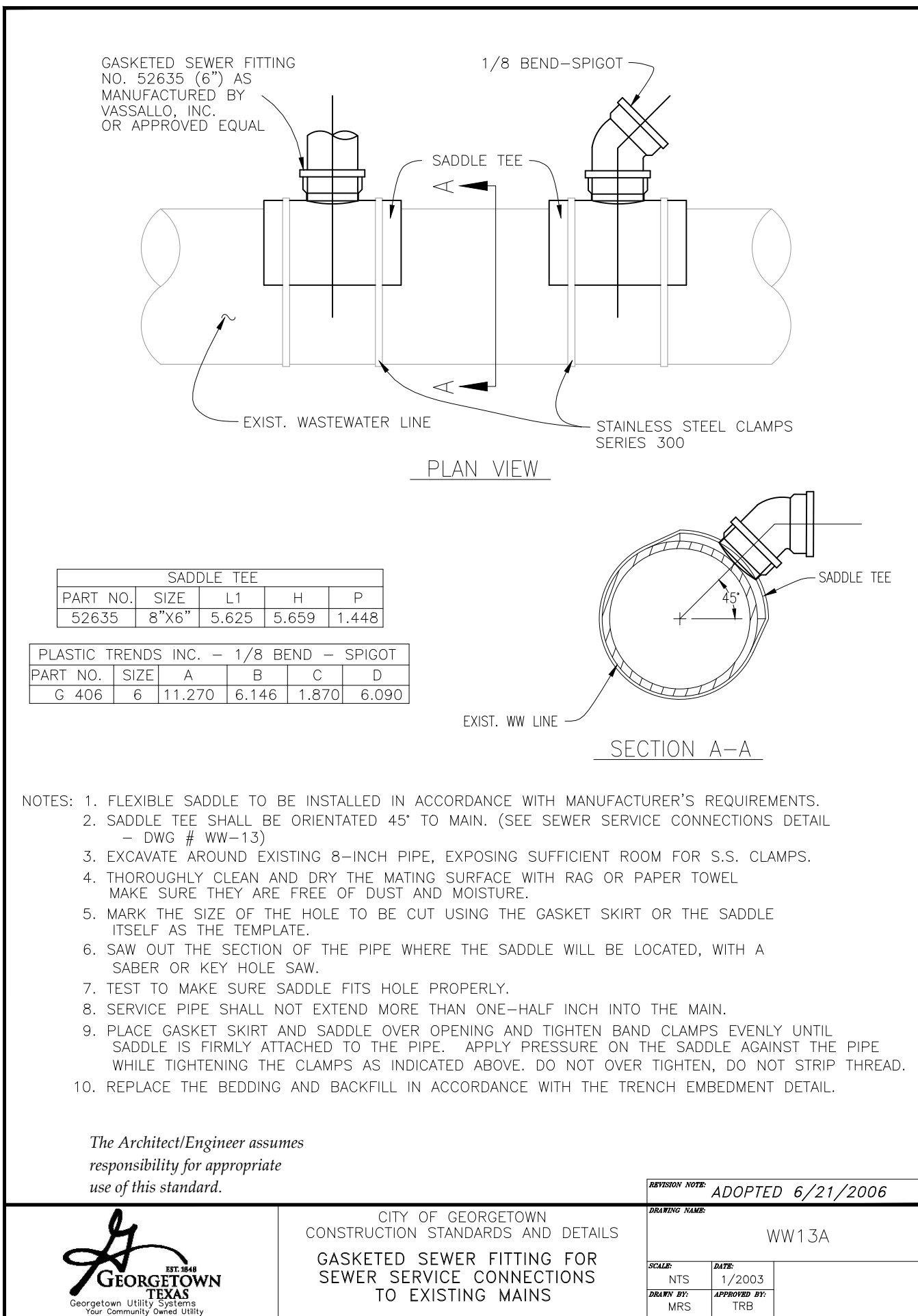
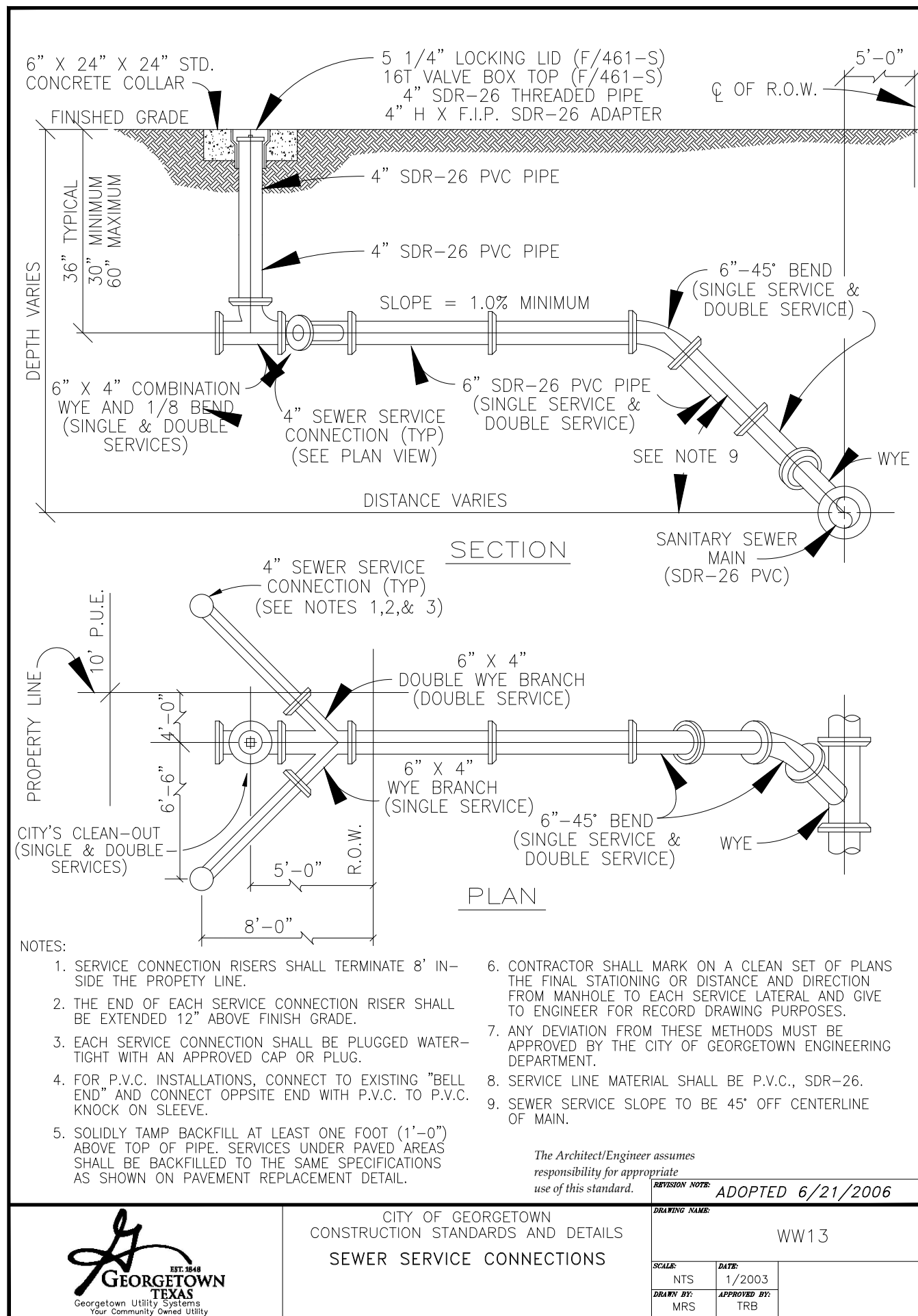
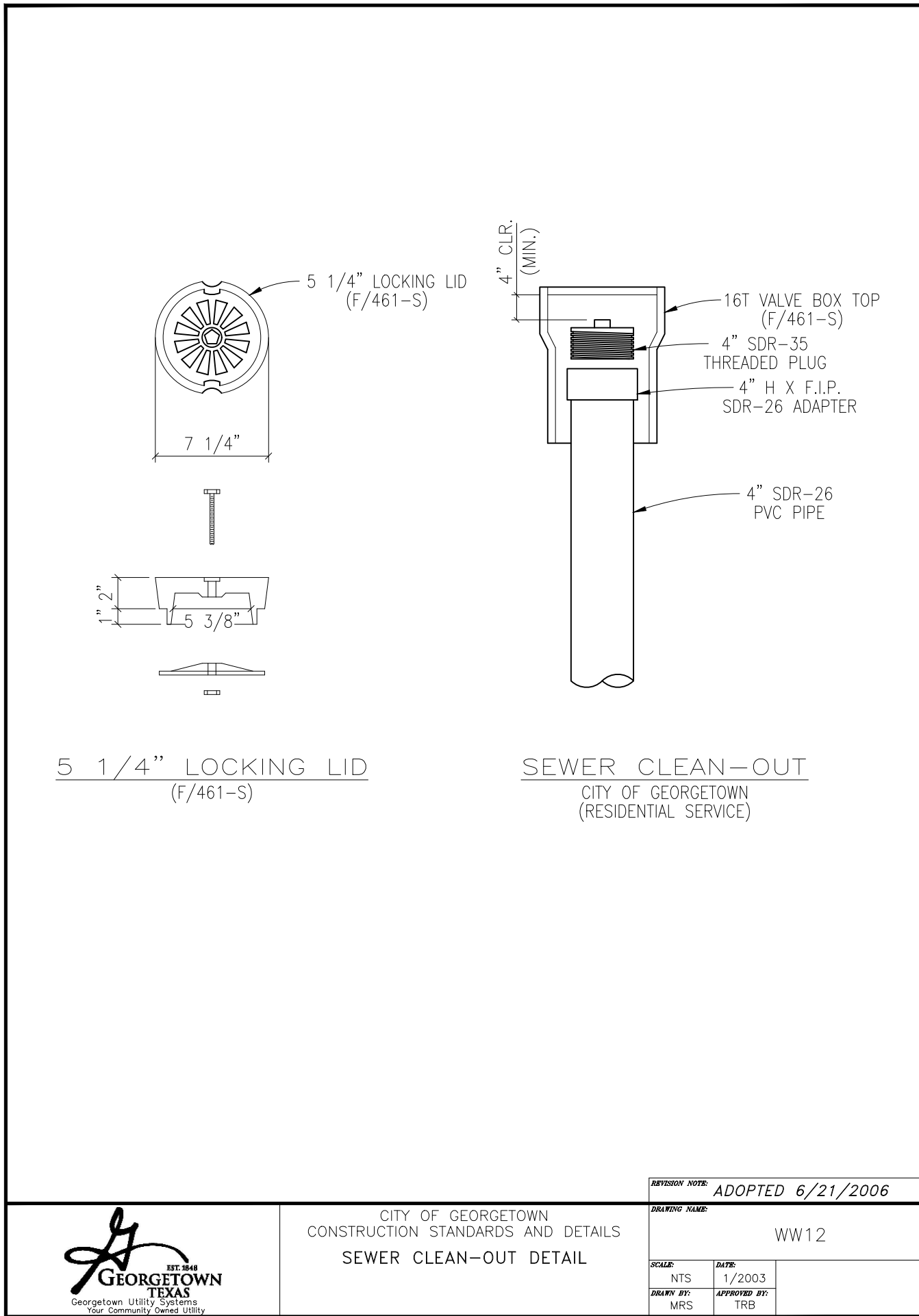
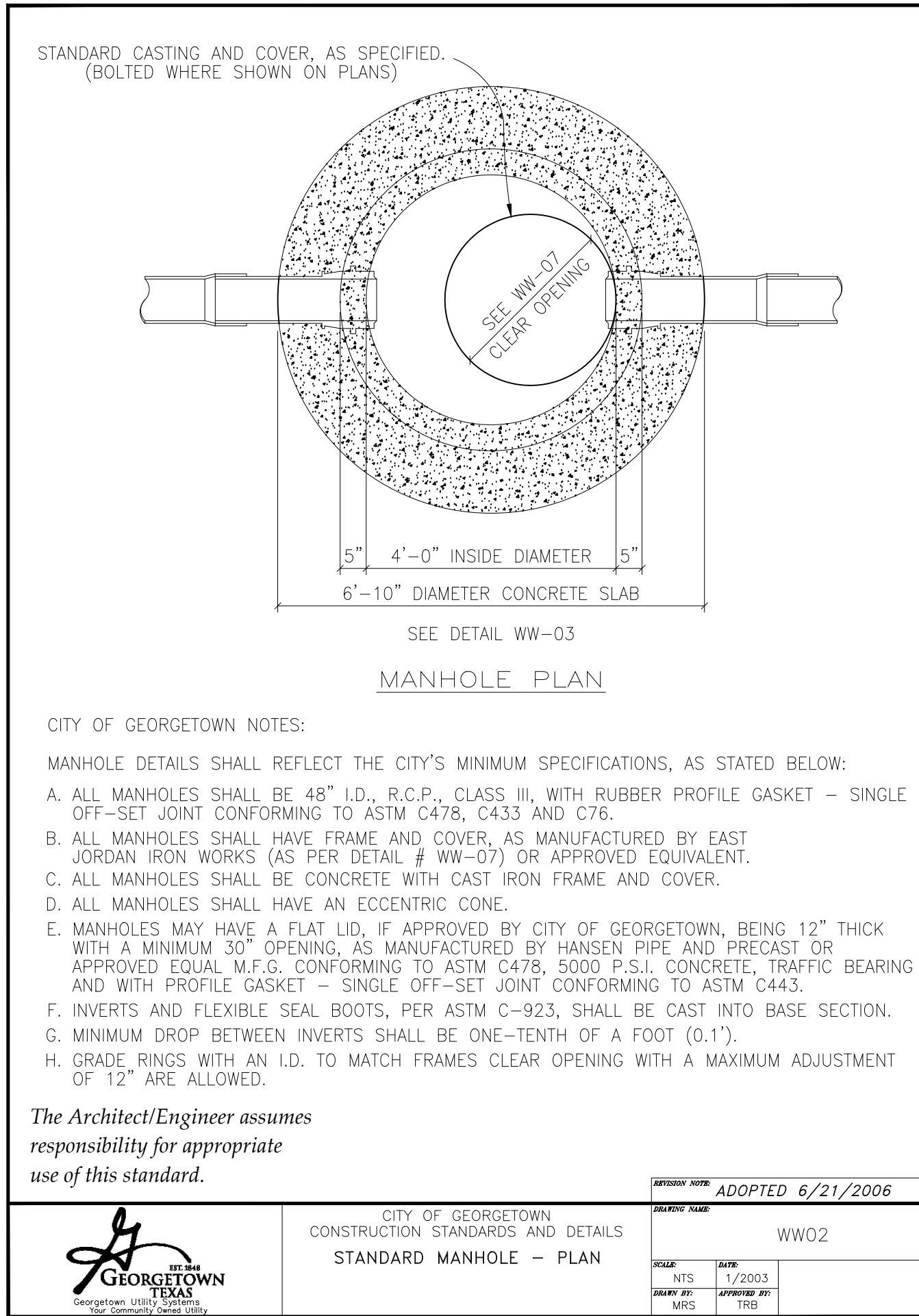
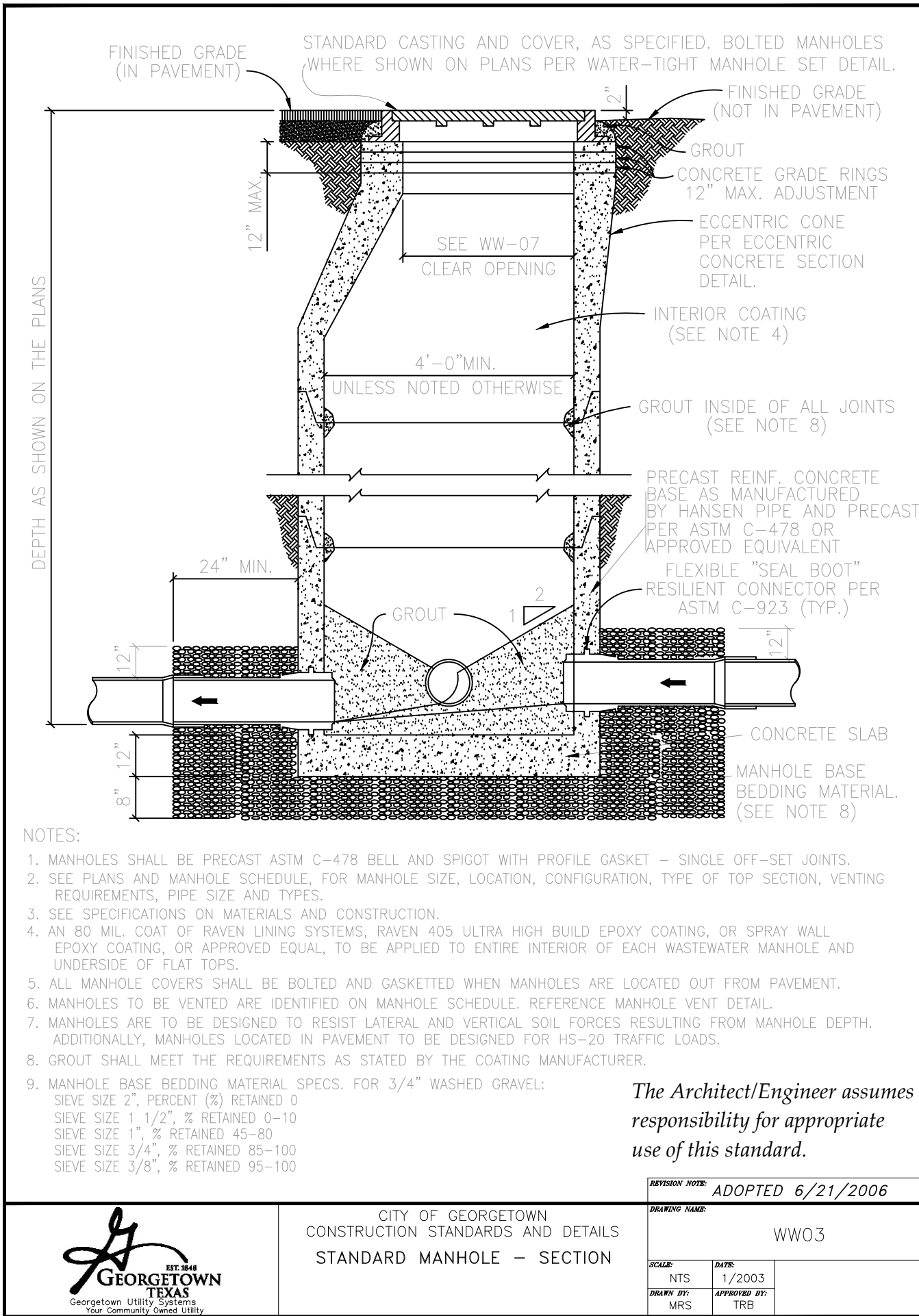
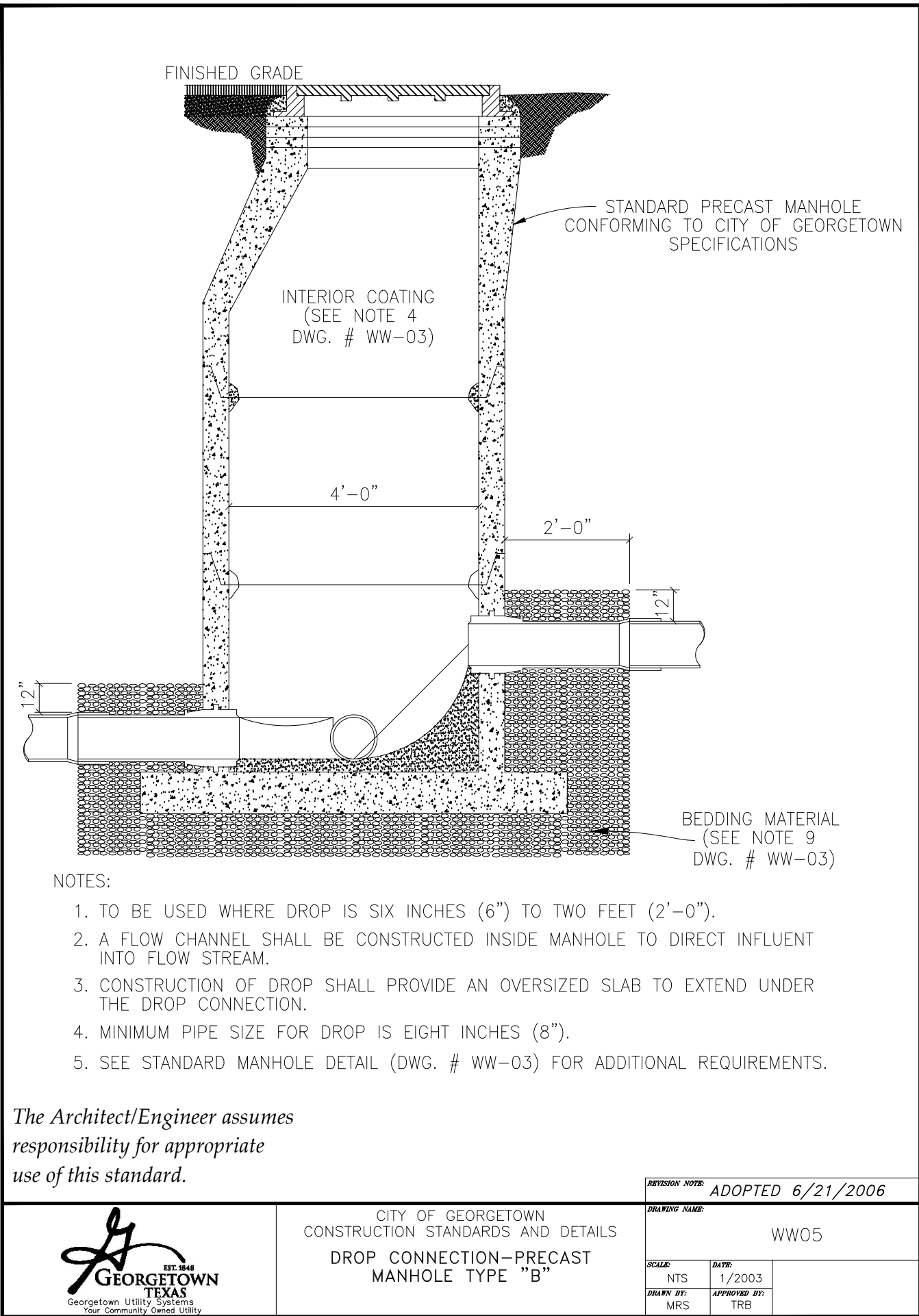


Project No.:	19010
Issued:	12/18/2022
Drawn By:	JAB
Checked By:	JAB

C.24

Sheet 24 OF 26
2021-28-SDP





App.	
Revisions	
Date	
No.	

JAB Engineering, LLC
(F-14076)
4500 Williams Drive
Suite 212-121
Georgetown, TX 78633
512-779-7414 (p)
josh.baran@jabeng.com

JAB

RIVERY
BUSINESS PARK
2006 RIVERY BOULEVARD
GEORGETOWN, TEXAS 78628

DETAILS

Project No.: 19010
Issued: 12/18/2022
Drawn By: JAB
Checked By: JAB

C.25

Sheet 25 OF 26
2021-28-SDP

ATTACHMENT I
INSPECTION AND MAINTENANCE FOR BMPs

PROJECT NAME: Rivery Business Park
ADDRESS: 2006 Rivery Boulevard
CITY, STATE: Georgetown, TX

SILT FENCE

- Inspect all fencing weekly, and after any rainfall.
- Remove sediment when buildup reaches 6 inches.
- Replace any torn fabric or install a second line of fencing parallel to the torn section.
- Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.
- When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the silt fence should be revegetated. The fence itself should be disposed of in an approved landfill.

CONCRETE WASHOUT AREAS

- When temporary concrete washout facilities are no longer required for the work, the hardened concrete should be removed and disposed of.
- Materials used to construct temporary concrete washout facilities should be removed from the site of the work and disposed of.
- Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities should be backfilled and repaired.

TEMPORARY CONSTRUCTION ENTRANCE / EXIT

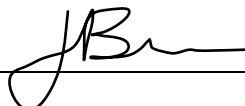
- The entrance should be maintained in a condition, which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment.
- All sediment spilled, dropped, washed or tracked onto public rights-of-way should be removed immediately by contractor.
- When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-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.

Disposal of accumulated silt shall be accomplished following Texas Commission on Environmental Quality guidelines and specifications.

An amended copy of this document will be provided to the Texas Commission on Environmental Quality within thirty (30) days of any changes in the following information.

Responsible Party: Rivery Business Park Condominiums Association, Inc.
Mailing Address: 1625 Williams Drive, Ste. 201
City, State: Georgetown, TX
Telephone: (512) 508-4970

Zip: 78628
Fax: _____

Signature of Responsible Party  Date 5/6/2023

ATTACHMENT J

Schedule of Interim and Permanent Soil Stabilization Practices

Interim stabilization shall be achieved through the temporary erosion controls. These temporary controls are specifically listed in Attachment I and noted on the Erosion / Sedimentation Control Plan, Sheet C.12 of the construction drawings. Temporary controls include: Silt Fence, Stabilized Construction Entrance / Exit, Concrete Washout.

The management of land by using ground cover reduces erosion by reducing the flow rate of runoff and the raindrop impact. Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days.

All disturbed pervious space shall receive permanent vegetative stabilization after final grading. Specifications for permanent vegetative are included in the General Notes, Sheet C.13 and shown below for reference.

PERMANENT VEGETATIVE STABILIZATION:

1. From September 15 to March 1, seeding is considered to be temporary stabilization only. If cool season cover crops exist where permanent vegetative stabilization is desired, the grasses shall be mowed to a height of less than one-half (1/2) inch and the area shall be re-seeded in accordance with 2, below.
2. From March 2 to September 14, seeding shall be hulled bermuda at a rate of 1 pound per 1000 sf with a purity of 95% with 85% germination. Bermuda grass is a warm season grass and is considered permanent erosion control.
 - a. Bermuda sod 5' outside the buildings and bermuda hydromulch all areas disturbed by construction.
 - b. Bio-swale areas shall be a native seed bio-swale mix or an overseed with annual rye, if required.
 - c. Fertilizer shall be water soluble with an analysis of 15-15-15 to be applied once at planting and once during the period of establishment at a rate of 1/2 pounds per 1000 sf.
 - d. If no permanent irrigation is anticipated. Watering will be performed by a water truck, as needed.
 - e. Hydromulch shall comply with table 2, below.
 - f. Permanent erosion control shall be acceptable when the grass has grown to at least 1 1/2 inches high with 95% coverage, provided no bare spots larger than 16 square feet exist.

TABLE 2: HYDROMULCHING FOR PERMANENT VEGETATIVE STABILIZATION

MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
BONDED FIBER MATRIX (BFM)	80% ORGANIC 10% DEFIBRATED FIBERS TACKIFIER	6 MONTHS	ON SLOPES UP TO 2:1 AND EROSION SOIL CONDITIONS	2500 TO 4000 LBS PER ACRE (SEE MANUFACTURER'S RECOMMENDATIONS)
FIBER REINFORCED MATRIX (BFM)	65% ORGANIC 25% REINFORCING FIBERS OR LESS 10% TACKIFIER	UP TO 12 MONTHS	ON SLOPES UP TO 1:1 AND EROSION SOIL CONDITIONS	3000 TO 41500 LBS PER ACRE (SEE MANUFACTURER'S RECOMMENDATIONS)

VI. Permanent Stormwater Section

Permanent Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC
§213.5(b)(4)(C), (D)(li), (E), and (5), Effective June 1, 1999

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

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

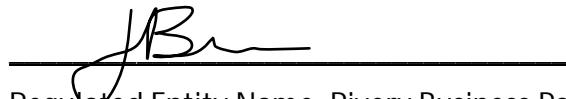
Signature

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

Print Name of Customer/Agent: Joshua A. Baran

Date: 5/6/2023

Signature of Customer/Agent



Regulated Entity Name: Rivory Business Park

Permanent Best Management Practices (BMPs)

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

1. ☒ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
☐ N/A
2. ☒ These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
☒ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

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

☐ N/A

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

☐ N/A

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

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

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

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

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

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

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

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

6. ☒ Attachment B - BMPs for Upgradient Stormwater.

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

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

Responsibility for Maintenance of Permanent BMP(s)

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

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

ATTACHMENT B
BMPs FOR UPGRAIDENT STORMWATER

Upgradient flows will be routed to bypass the proposed BMP through a proposed diversion channel. The flows from the bypassed areas are mitigated by additional storage of the proposed development areas. See drainage area maps for specific flow calculations.

ATTACHMENT C

BMPS FOR ON-SITE STORMWATER

INTRODUCTION

The proposed development known as Rivery Business Park (the “development”), located at 2006 Rivery Boulevard, Williamson County, Texas 78628 will be constructed on 3.30 acres, as conveyed to Rivery Business Park, LLC, by Deed as recorded in Document 2021026118, Official Public Records of Williamson County, Texas and managed by Rivery Business Park Condominiums Association, Inc.

The project was constructed prior to submittal of a WPAP. This summary describes the project design elements used to design / construct the project site. In this case, the term “existing” used below refers to the preconstruction conditions, and the term “proposed” refers to the currently built conditions.

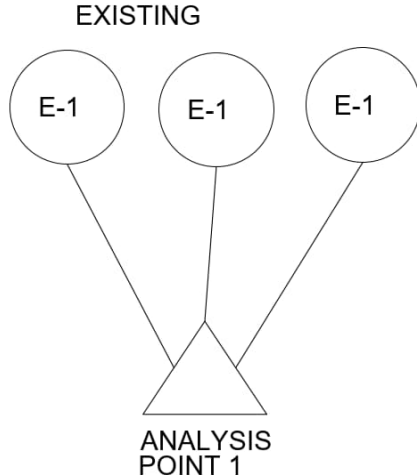
ACCESS

Access will be taken from the existing driveway off Rivery Boulevard.

STORMWATER DRAINAGE

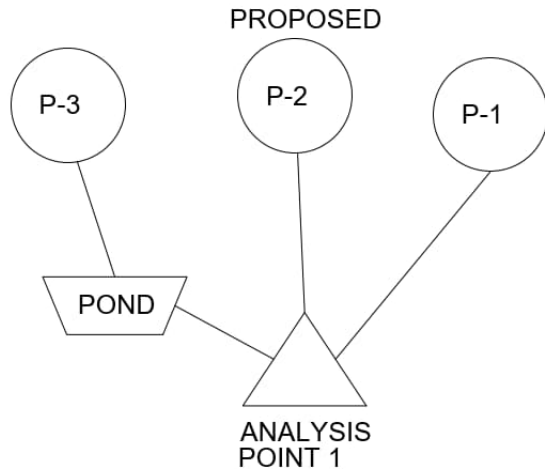
EXISTING CONDITIONS

The existing property consists of three drainage areas. Drainage area 1 discharges toward the east through an existing hotel development that was approved under previous permit. This development includes detention facilities designed under the Georgetown DCM. This area is assumed for overall basin purposes to be in the previous discharge conditions since these calculation are not available for public record. Drainage area 2 discharges over the adjoining site and into the right-of-way undetained. Drainage area 3 discharges towards the east IH 35 right-of-way by sheet flow and shallow concentrated flow. A summary of the existing area features can be found in the area listing of the existing drainage calculations.



PROPOSED DEVELOPMENT

The development will convey stormwater runoff by surface drainage to the same locations as the existing discharges. The area of flow from all three drainage areas is combined in the existing roadside ditch, which is the analysis point for both existing and proposed conditions. A proposed pond addresses the increase in drainage area 3 to reduce the proposed discharge below the existing. This area is also routed through an extended batch detention facility for water quality controls. A summary of the proposed area features can be found in the area listing of the proposed drainage calculations.



DRAINAGE SUMMARY

Utilizing the SCS method for comparison of the existing vs. proposed conditions yielded a decrease in peak discharge to both drainage areas.

EXISTING DRAINAGE SUMMARY									
Area ID	DA (ac.)	DA (mi ² .)	TC(min.)	Lag (min)	CN	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)
E-1	5.52	0.0086	7.0	4.2	73	5.1	12.9	17.8	25.6
E-2	2.65	0.0041	0.0	0.0	78	3.7	8.2	10.8	14.9
E-3	2.84	0.0044	7.0	4.2	76	3.8	8.6	11.5	16.1
Total	11.01	0.0172		Total Peak Flow		12.2	29.0	39.3	55.5

PROPOSED DRAINAGE SUMMARY									
Area ID	DA (ac.)	DA (mi ² .)	TC(min.)	Lag (min)	CN	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)
P-1	5.52	0.0086	7.0	4.2	73	5.1	12.9	17.8	25.6
P-2	2.17	0.0034	7.0	4.2	79	3.3	7.0	9.2	12.6
P-3	3.32	0.0052	5.0	3.0	94	11.8	18.4	22.1	27.6
P-3 Pond	3.32	0.0052				4.2	9.6	12.2	17.9
Total	11.01	0.0172		Total Peak Flow		12.2	29.0	38.6	55.5

ANALYSIS POINT 1 (CFS) ROUTED FLOWS				
Condition	2-year	10-year	25-year	100-year
Existing	12.2	29.0	39.3	55.5
Developed	12.2	29.0	38.6	55.5

The design of the drainage minimizes any effects on the natural and traditional character of the land and waterways; therefore, no adverse effects to the environment are anticipated due to the development.

WATER QUALITY

This development is proposing a Batch Detention BMP.

WATER AND WASTEWATER

Water will be connected to the City of Georgetown services and requires installation of two single-service lines and an extension of a public water line. Wastewater service will be connected to the City of Georgetown services and requires installation of six single-service laterals to a proposed sewer extension.

SEDIMENTATION / EROSION CONTROL / TREE SURVEY

All sedimentation / erosion controls are required and will be in accordance with the City of Georgetown and TCEQ.

CRITICAL ENVIRONMENTAL FEATURES

There are no CEF's per the include GA.

ATTACHMENT F
Construction Plans
(UNDER SEPARATE COVER)

ATTACHMENT G
MAINTENANCE PLAN AND SCHEDULE FOR BMPs

PROJECT NAME: Rivery Business Park
ADDRESS: 2006 Rivery Boulevard
CITY, STATE: Georgetown, TX

BATCH DETENTION BASIN

- Inspections: Inspections should take place a minimum of twice a year. One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. The remaining inspections should occur between storm events so that manual operation of the valve and controller can be verified. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. The outlet structure and the trash screen should be inspected for signs of clogging. Debris and sediment should be removed from the orifice and outlet(s) as described in previous sections. Debris obstructing the valve should be removed. During each inspection, erosion areas inside and downstream of this BMP should be identified and repaired/revegetated immediately.
- Mowing. The basin, basin side-slopes, and embankment of the basin must be mowed to prevent woody growth and control weeds. A mulching mower should be used, or the grass clippings should be caught and removed. Mowing should take place at least twice a year, or more frequently if vegetation exceeds 18 inches in height. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas. Litter and Debris Removal. Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the outlet structure. The outlet should be checked for possible clogging or obstructions and any debris removed.
- Erosion control. The basin side slopes and embankment all may periodically suffer from slumping and erosion. To correct these problems, corrective action, such as regrading and revegetation, may be necessary. Correction of erosion control should take place whenever required based on the periodic inspections. Nuisance Control. Standing water or soggy conditions may occur in the basin. Some standing water may occur after a storm event since the valve may close with 2 to 3 inches of water in the basin. Some flow into the basin may also occur between storms due to spring flow and residential water use that enters the storm sewer system. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weeds, odors, algae, etc.).
- Structural Repairs and Replacement. With each inspection, any damage to structural elements of the basin (pipes, concrete drainage structures, retaining walls, etc.) should be identified and repaired immediately. An example of this type of repair can include patching of cracked concrete, sealing of voids, removal of vegetation from cracks and joints. The various inlet/outlet structures in a basin will eventually deteriorate and must be replaced.
- Sediment Removal. A properly designed batch detention basin will accumulate quantities of sediment over time. The accumulated sediment can detract from the appearance of the facility and reduce the pollutant removal performance of the facility. The sediment also tends to accumulate near the outlet structure and can interfere with the level sensor operation. Sediment shall be removed from the basin at least every 5 years, when sediment depth exceeds 6 inches, when the sediment interferes with the level sensor or when the basin does not drain within 48 hours. Care should be taken not to compromise the basin lining during maintenance.
- Logic Controller. The Logic Controller should be inspected as part of the twice-yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. At the end of the inspection, the controller should be reset.

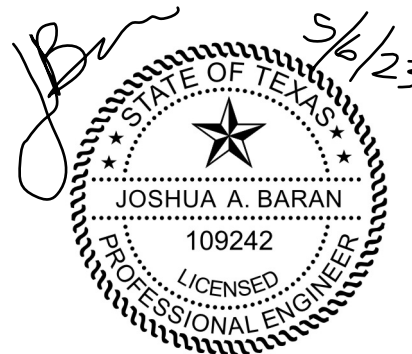
An amended copy of this document will be provided to the Texas Commission on Environmental Quality within thirty (30) days of any changes in the following information.

Responsible Party: Rivery Business Park Condominiums Association, Inc.
Mailing Address: 1625 Williams Drive, Ste. 201
City, State: Georgetown, TX
Telephone: (512) 508-4970

Zip: 78628
Fax: _____

Signature of Responsible Party  Date 5/6/2023

Engineer: Joshua A. Baran, P.E.
Firm: JAB Engineering, LLC
TBPE Firm No.: F-14076
Mailing Address: 4500 Williams Drive, Ste. 212-121
City, State: Georgetown, TX 78633
Telephone: (512) 779-7414



ATTACHMENT I
MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

The proposed development does not increase the peak discharge of the 2, 10, 25, and 100-year events, as the development is existing. The discharge will be directed to a batch detention pond and outfall to the adjoining property.

VII. Agent Authorization Form

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

I Joshua A. Baran,

Print Name

Managing Member,

Title - Owner/President/Other

of Rivory Business Park Condominiums Association, Inc.,

Corporation/Partnership/Entity Name

have authorized Joshua A. Baran, P.E.

Print Name of Agent/Engineer

of JAB Engineering, LLC.

Print Name of Firm

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

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

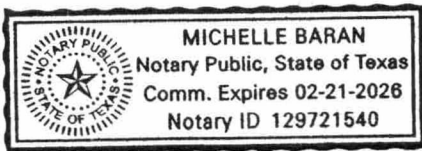
[Signature]
Applicant's Signature

5/6/23
Date

THE STATE OF Texas §
County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Joshua A. Baran 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 05th day of November 2024



Michelle Baran
NOTARY PUBLIC
Michelle Baran
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 02-21-2026

VIII. Application Fee Form

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Rivory Business Park

Regulated Entity Location: 2006 Rivory Boulevard, Georgetown, TX 78628

Name of Customer: Rivory Business Park Condominiums Association, Inc.

Contact Person: Joshua Baran

Phone: 512-508-4970

Customer Reference Number (if issued):CN _____

Regulated Entity Reference Number (if issued):RN _____

Austin Regional Office (3373)

☐ Hays

☐ Travis

☒ Williamson

San Antonio Regional Office (3362)

☐ Bexar

☐ Medina

☐ Uvalde

☐ Comal

☐ Kinney

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

☒ Austin Regional Office

☐ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

☒ Recharge Zone

☐ Contributing Zone

☐ Transition Zone

<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	3.29945 Acres	\$ 4,000
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: _____



Date: 5/6/2023

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

<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

IX. Core Data Form



TCEQ Core Data Form

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

SECTION I: General Information

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

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
Rivory Business Park Condominiums Association, Inc.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
805473094		32094288332			
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees		13. Independently Owned and Operated?			
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		1625 Williams Drive, Ste 201			
City		Georgetown		State TX	
ZIP		78628		ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)			
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Rivory Business Park								
23. Street Address of the Regulated Entity: (No PO Boxes)	2006 Rivory Boulevard							
	City	Georgetown	State	TX	ZIP	78628	ZIP + 4	
24. County	Williamson							

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

25. Description to Physical Location:									
26. Nearest City					State		Nearest ZIP Code		
Georgetown					TX		78628		
Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).									
27. Latitude (N) In Decimal:			30.654766			28. Longitude (W) In Decimal:			
Degrees			Minutes		Seconds		Degrees		
30			39		17.16		97		
							40		
							38.42		
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)		
4225		13		493110					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)									
Office / Warehouse									
34. Mailing Address:		1625 Williams Drive, Ste. 201							
		City	Georgetown	State	TX	ZIP	78628	ZIP + 4	
35. E-Mail Address:		josh@seven10dev.com							
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)			
(512) 508-4970						() -			

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 checked="" 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 checked="" 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"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Joshua A. Baran, P.E.		41. Title:	Owner's Representative
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(512) 779-7414		() -	josh.baran@jabeng.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:	JAB Engineering, LLC	Job Title:	Owner's Representative for Rivery Business Park Condominium Association, Inc.	
Name (In Print):	Joshua A. Baran, P.E.		Phone:	(512) 779- 7414
Signature:			Date:	5/6/2023

