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: Redemption City Church						**2. Regulated Entity No.:**			
3. Customer Name: Redemption City Church						**4. Customer No.:**			
5. Project Type: **(Please circle/check one)**	New		Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		Non-residential			**8. Site (acres):**			12.64
9. Application Fee:	$6,500		**10. Permanent BMP(s):**					Sand Filter	
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						
13. County:	Williamson		**14. Watershed:**					Lake Creek	

Application Distribution

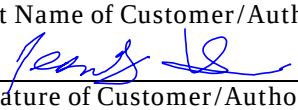
Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which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

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

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

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	__	__	__
Region (1 req.)	__	__	__
County(ies)	__	__	__
Groundwater Conservation District(s)	__Edwards Aquifer Authority __Barton Springs/ Edwards Aquifer __Hays Trinity __Plum Creek	__Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	__Austin __Buda __Dripping Springs __Kyle __Mountain City __San Marcos __Wimberley __Woodcreek	__Austin __Bee Cave __Pflugerville __Rollingwood __Round Rock __Sunset Valley __West Lake Hills	_X_Austin __Cedar Park __Florence __Georgetown __Jerrell __Leander __Liberty Hill __Pflugerville __Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	__	__	__	__	__
Region (1 req.)	__	__	__	__	__
County(ies)	__	__	__	__	__
Groundwater Conservation District(s)	__ Edwards Aquifer Authority __Trinity-Glen Rose	__Edwards Aquifer Authority	__Kinney	__EAA __Medina	__EAA __Uvalde
City(ies) Jurisdiction	__Castle Hills __Fair Oaks Ranch __Helotes __Hill Country Village __Hollywood Park __San Antonio (SAWS) __Shavano Park	__Bulverde __Fair Oaks Ranch __Garden Ridge __New Braunfels __Schertz	NA	__San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. Jen Henderson, PE
Print Name of Customer/Authorized Agent
 3/16/2026
Signature of Customer/Authorized Agent Date

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

General Information Form

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.

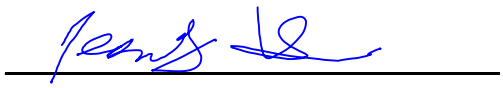
Signature

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: Jen Henderson, PE

Date: 3/16/2026

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Redemption City Church
2. County: Williamson
3. Stream Basin: Lake Creek
4. Groundwater Conservation District (If applicable): _____
5. Edwards Aquifer Zone:

   [X] Recharge Zone
   [ ] Transition Zone

6. Plan Type:

   [X] WPAP
   [ ] SCS
   [ ] Modification
   [ ] AST
   [ ] UST
   [ ] Exception Request

7. Customer (Applicant):

Contact Person: Pastor Bill Muench
Entity: Redemption City Church
Mailing Address: 3412 Pine Needle Circle
City, State: Round Rock, Texas Zip: 78681
Telephone: (512) 560-3580 FAX: _____
Email Address: bmuench@redemptioncity.church

8. Agent/Representative (If any):

Contact Person: Jen Henderson, P.E.
Entity: Henderson Professional Engineers
Mailing Address: 600 Round Rock West Drive, Suite 604
City, State: Round Rock, Texas Zip: 78681
Telephone: 737.203.8953 FAX: _____
Email Address: HPE@HendersonPE.com

9. Project Location:

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

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.
7601 Pearson Ranch Rd Austin, TX 78717
AW0552 AW0552 - Shelton, J. Sur., ACRES 12.526; WCAD R504074

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: _____

14. [X] **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:

- [X] Area of the site
- [X] Offsite areas
- [X] Impervious cover
- [X] Permanent BMP(s)
- [X] Proposed site use
- [X] Site history
- [X] Previous development
- [X] 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)
- [X] Undeveloped (Undisturbed/Uncleared)
- [ ] Other: _____

Prohibited Activities

16. [X] 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. [X] 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:

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

21. [X] 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.

LOCATION EXHIBIT
TO SERVE

REDEMPTION CITY CHURCH

7601 PEARSON RANCH ROAD
AUSTIN, TX 78717

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

THE DRAWING AND WRITTEN MATERIAL HEREIN CONSTITUTE ORIGINAL WORK OF THE ENGINEER, AND AS THE INTELLECTUAL PROPERTY AND INSTRUMENTS OF SERVICE ARE SUBJECT TO COPYRIGHT AND MAY NOT BE REPRODUCED, DISTRIBUTED PUBLISHED OR USED IN ANY WAY WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ENGINEER.

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WBE210166 | HUB 1853873845300

Edwards Aquifer Viewer Custom Print

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1:7,720

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

TCEQ, Williamson County TX, Maxar

- TCEQ_EDWARDS_OFFICIAL_MAPS
- 7.5 Minute Quad Grid
- TX Counties
- City/Place
- Edwards Aquifer Label
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations

HPE
Civil Engineering

Project Description

The project site is 12.64 acres located east of Pearson Ranch Road and north of FM 620. The address is 7601 Pearson Ranch Rd Austin, TX 78717. A disannexation has been filed on November 14th, 2024 to release the project site from the extra territorial jurisdiction (ETJ) of the City of Austin, Williamson County, Texas. No portion of the project site is located in the 1% annual chance (100-year) floodplain per the FEMA map panel 48491C0630F effective December 20, 2019. The project site is located within the Edwards Aquifer Recharge Zone. Hydrologic soil group information came from digital information served by the United States Department of Agriculture Natural Resources Conservation Service through the Web Soil Survey 2.0 portal. The project site is entirely type 'D' soil.

The project site pre-developed conditions is mostly undeveloped with several areas enclosed by wire and chain link fences. The land is an open field with a mix of grass, brush, trees, and patches of bare earth or gravel. A concrete driveway is currently present at the southwest corner of the project site, which gives an existing percent impervious cover of 0.99%. A tree survey was conducted on the site by Delta Land Surveying in April of 2025. Trees are scattered throughout the property. Surveyed trees are primarily live oak and cedar elm, with various other tree species as well as dead trees.

The proposed development of this project includes adding six new buildings taking up the center space, consisting of a building with a pavilion and social area, an education center, a coffee shop, a business center, a place of worship, and a gym. There will be a playground associated with the education center. Parking surfaces and drive lanes would surround the buildings, with one driveway that accesses Oconto Drive and two driveways that access Pearson Ranch Road. A granite walking trail runs along most of the perimeter of the property. Additional walking surfaces are present in the vicinity of the buildings, including ADA compliant sidewalks. A storm sewer system is proposed to route flows into the detention and water quality basins, which are contained inside the StormTrap system located in the south area of the property. The detention and water quality basins are sized for 60% impervious cover.

Detention and water quality is planned for this project, which would be provided by the StormTrap system. The StormTrap system contains sedimentation and filtration basins for water quality control. Demolition of the fencing and portions of the driveway curbs are planned.

ENSOLUM

Geologic Assessment for the Redemption City Church Property, Pearson Ranch Rd, Williamson County, Texas

November 20, 2025
Ensolum Project No. 10A4207001

Prepared for:

Redemption City Church
3412 Pine Needle Circle
Round Rock, Texas 78681
Attention: Mr. Bill Muench

Texas PG Firm No. 50588

Prepared by:

ENSOLUM, LLC
600 Round Rock West, Suite 702
Round Rock, Texas 78681
www.ensolum.com

Kara Naegeli

Kara Naegeli, GIT
Project Geologist

Eric Matzner, PG
Senior Managing Geologist

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: Eric C. Matzner, PG Telephone: 512-422-9439

Date: November 20, 2025 Fax: _____

Representing: Ensolum, LLC (TBPG Firm No. 50588/TBPE Firm No. F-21843)

Signature of Geologist:

Texas PG Firm No. 50588

Regulated Entity Name: Redemption City Church, Pearson Road, Williamson County, Texas

Project Information

1. Date(s) Geologic Assessment was performed: _____
2. Type of Project:
   - ☒ WPAP
   - ☐ AST
   - ☐ SCS
   - ☐ 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. ***[See attached report]***

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 Stony Clay Loam (GsB)	D	1-3 feet
Eckrant Cobbly Clay (EaD)	D	0.5-1 foot

** 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. ***[See attached report]***

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. ***[See attached report]***

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' ***[See attached report]***

   Applicant's Site Plan Scale: 1" = 50'
   Site Geologic Map Scale: 1" = 50'
   Site Soils Map Scale (if more than 1 soil type): 1" = 500''

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.

ENSOLUM

Geologic Assessment for the Redemption City Church Property, Pearson Ranch Rd, Williamson County, Texas

November 20, 2025
Ensolum Project No. 10A4207001

Prepared for:

Redemption City Church
3412 Pine Needle Circle
Round Rock, Texas 78681
Attention: Mr. Bill Muench

Texas PG Firm No. 50588

Prepared by:

ENSOLUM, LLC
600 Round Rock West, Suite 702
Round Rock, Texas 78681
www.ensolum.com

Kara Naegeli

Kara Naegeli, GIT
Project Geologist

Eric Matzner, PG
Senior Managing Geologist

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Attachment B – Stratigraphic Column

Attachment C – Photographic Documentation

Attachment D – Figure 1 – Geologic Map
Figure 2 – Soils Map
Figure 3 – Topographic Map

1.0 INTRODUCTION

1.1 Site Description

The Site is located approximately 4-miles west southwest of Round Rock in Williamson County, Texas (30.485783° N, 97.744794° W). The Site is owned by Redemption City Church (Williamson County Appraisal District Property ID R504074) and consists of approximately 12.5-acres. The Site is undeveloped and consists of open herbaceous vegetation and wooded land. The Site is bordered on the north by undeveloped land owned by the Round Rock Independent School District (RRISD), south by a residential apartment complex, east by residential properties, and west by a roadway (Pearson Ranch Road).

A Geologic Map of the Site with features identified during the geologic assessment survey is included as **Figure 1,** a Soils Map of the Site is included as **Figure 2,** and topographic map depicting the location of the Site is included as **Figure 3** in **Attachment D**.

The Site is located within the Edwards Aquifer Recharge Zone (EARZ), within the northern segment of the Edwards Aquifer (TCEQ 2024). Topography within and surrounding the Site slopes from the northwest to the southeast. Ground elevation within the Site ranges from 850± to 886± feet above mean sea level (U.S. Geologic Survey 2019) (**Figure 3**).

1.2 Methodology

Ensolum scientists studied records pertaining to reported caves in the Site and gathered information related to documented caves in the project vicinity prior to conducting field work. Relevant information sources include the following:

- ESRI® ArcGIS® Online Basemap Map Services;
- U.S. Geological Survey (2019) 7.5-minute topographic digital raster graphics;
- Geologic maps (Barnes 1974; Collins 1997)

Ensolum geologists Eric Matzner, PG (TX License No. 795) and Kara Naegeli, GIT conducted the pedestrian field survey of the Site on October 22nd and 23rd, 2025. The survey was completed by walking transects spaced roughly 50 feet apart per the TCEQ *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones (Rev. 10-01-04)*. Closer spacing was used where vegetation inhibited observation. Ensolum scientists carefully examined potential karst features, including depressions, holes, and animal burrows, for evidence of subsurface. Ensolum used several techniques for this effort, including probing with a digging implement to assess the thickness and consistency of fill material. Other techniques included recording notable features and site characteristics, such as vegetation types or semi-circular burrow mounds produced by small mammal activity. The locations of discovered features were recorded with a handheld GPS unit. There were areas of the Site that were covered with piles of brush and trees in the center of the Site that restricted assessing portions of the Site. Observations noted at the Site were documented on the TCEQ Geologic Assessment Form TCEQ-0585 (**Attachment A**).

1.3 Standard of Care & Limitations

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, expressed or implied, as to the services performed hereunder. Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-Site assessment and other services performed under this scope of work and it should be noted that this information is subject to change over time. Ensolum's findings are based solely upon data available to Ensolum at the time of these services.

2.0 SOILS AND GEOLOGY

2.1 Soil Survey

The Natural Resources Conservation Service (NRCS) (2024) identified two soil units within the Site boundary (**Attachment D - Figure 2**):

- Georgetown Stony Clay Loam (GsB) unit: Georgetown Stony Clay Loam consist of stony clayey residuum, weathered from limestone occuring on ridges. Soil thicknesses range from 1 to 3 feet and are in Soil Group "D". Soils in Group D have very slow infiltration rate when thoroughly wetted, and typically high runoff potential.
- Eckrant Cobbly Clay (EaD) unit: Eckrant soils consist of stony clay residuum weathered from limestone occuring on ridges. Soil thicknesses range from 0.5 to 1 foot and are in Soil Group "D". Soils in Group D have very slow infiltration rate when thoroughly wetted, and typically high runoff potential.

2.2 Geology

A Site Geologic Map (**Attachment D - Figure 1**) indicates that the surface geology consists of Cretaceous-age Edwards Limestone (Ked). The Edwards Limestone is described by Barnes (1974) as:

> "*…limestone, dolomite, and chert; limestone aphanitic to fine grained, massive to thin bedded, hard, brittle, in part rudistid biostromes, much miliolid biosparite; dolomite fine to very fine grained, porous, medium gray to grayish brown; chert nodules and plates common, varies in amopunt from bed to bed, some intervals free of chert, mostly white to light gray; in zone of weathering considerably recrystillized, "honeycombed", and cavernous forming an aquifer; forms flat areas and plateaus bordered by scarps; thickness 60-350 feet, thins northward."*

Within Williamson County, the Edwards Limestone is overlain by the Georgetown Formation and underlain by the Commanche Peak Formation, as shown in the stratigraphic column provided in **Attachment B**. These three formations are the principle units of the Edwards Aquifer.

The Edwards Aquifer is divided into three main zones:

- Recharge Zone (EARZ) - Includes an area where highly faulted and fractured Edwards Limestone outcrops occur at the surface, providing a means for large quantities of water to flow into the aquifer with little filtration.
- Transition Zone - Contains areas where limestone that overlies the aquifer are faulted and fractured and include caves and sinkholes. Within this area, it is possible for surface water to flow into the Edwards Aquifer below.
- Contributing Zone - Consists of areas of non-Edwards Aquifer limestones, which outcrop at a higher elevation, causing water to drain to stream courses that overlie the Recharge Zone.

As discussed Section 1.1, the Site falls within the EARZ. Groundwater recharge into the EARZ primarily occurs in areas where the Edwards Limestone is exposed at the surface. Recharge into the Edwards Aquifer occurs where rain falls directly onto the karst aquifer (such as the Edwards outcrop area) and enters the aquifer through the soil and fractured rock matrix and through the internal drainage where rainfall or runoff recharges the aquifer through secondary porosity features such as faults, fratures, and karst features (caves, solution cavities, sinkholes, etc.) (Hauwert, 2009).

3.0 FIELD SURVEY RESULTS

3.1 Hydrogeologic Assessment

The overall potential for fluid recharge to the Edwards Aquifer within the Site appears relatively low compared to background infiltration rates due to the predominant soil cover of clay and clay loam across the Site. However, as discussed in Section 3.2, features were observed during the field survey that may influence recharge. Ensolum researched water wells potentially located within the Site using the groundwater data viewer hosted by the Texas Water Development Board (https://www3.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer). No water wells were found in the database (one plugged well mapped near the Site (Plugging Report Tracking #165091)) within the Site and no water wells were found during the field survey. The depth to groundwater in the vicinity of the Site has been measured at about 54 feet below ground surface in nearby Edwards Aquifer well (State ID No.387495) (Texas Water Development Board 2025).

The topographic contours shown on the Site Topographic Map (**Attachment D - Figure 3**) suggests that runoff from rainfall will flow northwest to southeast, eventually culminating in Davis Spring Branch. There were no creeks or drainage features observed with with most runoff likely as sheet flow. Thre were no springs observed within the Site.

3.2 Feature Descriptions

Twenty-seven features were identified within the Site identified during the field survey. Of which, four ranked as sensitive based on the TCEQ Geologic Assessment Table (**Attachment A**, Geologic Assessment Table). The features identified as sensitive and non-sensitive are detailed below:

Sensitive Features

- **F01** is a potential solution-enlarged fracture feature within the bedrock. Tree roots have additionally fractured the bedrock. A large non-karst animal burrow is also located at this feature. Infill material is composed of loose soils, organics, leaves, and sticks. There are minimal signs of infiltration, however, potential recharge would likely be intermediate with any overland flow in the area.
- **F02** is an area of bedrock that was disturbed by tree roots and contains solution-enlarged fracture features within the bedrock. Infill material is composed of large/coarse cobbles. No surficial evidence of previous infiltration; however, potential recharge would likely be intermediate with any overland flow in the area.
- **S-1** is a solution-enlarged fracture (~3 ft x 1 ft x 1ft) within the bedrock located near the base of a tree. Depth of the fracture was observed to be about one foot deep with soil and hard bottom. No surficial evidence of previous infiltration; however, potential recharge would likely be intermediate with any overland flow in the area.
- **S-4** is a solution-enlarged fracture that may connect to a solution cavity over about a 5-foot area within a wooded area of the Site. Infill material is composed of vegetation, soils, and organics including large amounts of leaf litter. Depth of the fracture was observed to be about 0.5 feet deep with soil and hard bottom. No surficial evidence of previous infiltration other than collection of leaf litter; however, potential recharge would likely be intermediate with any overland flow in the area.

Just north of where feature F20 was observed there is a fenced area that extends from the neighboring property owned by Round Rock Independent School District (RRISD) to the north onto the Site (**Attachment D - Figure 1**). This fenced area is identified as a critical environmental feature (CEF) buffer per the plat map for the RRISD parcel (Parcel ID: 2013086487) filed in the Official Public Records of Williamson County. In addition, a second CEF buffer on the RRISD property towards the northeast portion of the Site extends onto the Site in the area where feature

S-4 was observed. Both CEFs are located upgradient of the Site. Ensolum requested from the RRISD a copy of the Geological Assessment for the RRISD property through a public information request. As of the date of this report, the requested information has not been received.

Non-Sensitive Features

- **F03** is a small non-karst animal burrow feature. Infill material is composed of loose soil, organics, leaves and sticks. Infiltration in this feature is likely low given the soil cover appeared similar to areas outside of the feature and no signs of infiltration were observed during the field survey.
- **F04** is a non-karst closed depression. Infill material is composed of vegetation. Infiltration in this feature is likely low given the soil cover appeared similar to areas outside the depression and no signs of infiltration were observed during the field survey.
- **F05** is an area of disturbed limestone blocks and a large non-karst animal burrow. The bedrock appears to be disturbed and has small solution cavities ranging 1 inch in depth within the bedrock (karren). No surficial evidence of previous infiltration observed. Infiltration would potentially be in the low range.
- **F06** is a man-made non-karst rock/soil pile made while clearing some of the property. Are could not be thoroughly inspected due to rock/soil pile. Infill material is composed of vegetation, soils, leaves, and sticks. Infiltration in this feature is likely low given the man-made build-up of material, no signs of infiltration were observed during the field survey.
- **F07** is a non-karst animal burrow with the opening measuring around 6 inches in height under the bedrock, with a high density of small solution cavities measuring up to 1 inch in depth (karren) in the bedrock. Infill material is composed of loose soils, organics, leaves, and sticks. No surficial evidence of previous infiltration. With exposed limestone within the feature but a lack of solution cavities deeper than 1 inch, infiltration would potentially be in the low range.
- **F08** appears to be a solution-enlarged fracture feature within the bedrock that is also the location of a small non-karst animal burrow. Infill material is composed of loose soil, organics, leaves and sticks. With exposed limestone within the feature area, infiltration would potentially be in the intermediate range.
- **F09** is a man-made non-karst tree/shrub pile made while clearing some of the property. Infill material is composed of vegetation, soils, cobbles, leaves, and sticks. Infiltration in this feature is likely low given the man-made build-up of material, no signs of infiltration were observed during the field survey.
- **F10** is a non-karst closed depression. Infill material is composed of vegetation. Infiltration in this feature is likely low given the soil cover appeared similar to areas outside the depression and no signs of infiltration were observed during the field survey.
- **F11** is a potential dissolution feature within the bedrock. The bedrock has been broken up, creating a rubble zone. Infill material is composed of large cobbles, no sign of infiltration.
- **F12** is a desiccation zone within the clayey topsoil due to recent drought conditions. Many of the cracks found in the surface soils ranged in depths from 1 to 2 feet below ground surface. Infill material is composed of loose soils, organics, and vegetation. There were signs of infiltration into the subsurface by way of the fractures forming.
- **F13** is a potential solution-enlarged fracture feature within the bedrock. Infiltration in this feature is likely low given the soil cover appeared similar to areas surrounding the feature and no signs of infiltration were observed during the field survey.
- **F14** is an area of bedrock rubble zone with a high density of small solution cavities within the bedrock (karren). Infill material is composed of large cobbles with soil. With exposed limestone within the feature area but solution cavities not continuing past 1 to 1.5 inches in depth, infiltration would potentially be in the low range.
- **S-2** is a non-karst closed depression (~6 ft x 5 ft x 0.5 ft) within a wooded area of the Site. The small depression did not appear to be karst in nature with the soils appearing to be

similar to the soils in areas outside the depression. Relative infiltration rate in the depression is likely low and no signs of infiltration were observed.

- **S-3** is a non-karst closed depression (3 ft x 2 ft x 1.25 ft) within a wooden area of the Site. Infill material is composed of vegetation, soils, and organics. The depression is likely a large animal burrow. Given the large cone-like structure, possible infiltration into the feature is likely intermediate.
- **S-5** is a non-karst closed depression (5 ft x 4 ft x 0.5 ft) within a wooden area of the Site. Infill material is composed of vegetation, soils, and organics. Infiltration in this feature is likely low given the soil cover appeared similar to areas outside the depression and no signs of infiltration were observed during the field survey.
- **S-6** non-karst closed depression (3 ft x 2 ft x 1.25 ft) at the base of a tree with some brush around and within the depression. Some limestone cobbles and remnants in and around the depression. With exposed limestone within the depression area, infiltration would potentially be in the intermediate range. Infill material was mainly grass and leaves.
- **S-7** is a series of small solution cavities in a slab rock exposure on the ground surface. The solution cavities were about 4-inches (0.33 feet) in diameter and was about 0.5 feet deep in the deepest one measured. The solution cavity may be considered karren based on the depth that appears to be within the soil zone.

4.0 REFERENCES

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ATTACHMENT A

TABLES

ATTACHMENT A - GEOLOGIC ASSESSMENT TABLE

GEOLOGIC ASSESSMENT TABLE | **PROJECT NAME:** Redemption City Church - Pearson Road

LOCATION			FEATURE CHARACTERISTICS												EVALUATION			PHYSICAL SETTING		
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES) DOM		DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
																<40	>40	<1.6	>1.6	
F01	30.485057° N	-97.745388° W	SF	20	Ked	5.5	2	1.75	---		---	0.5	O	20	40		X	X		Hillside
F02	30.486083° N	-97.745687° W	SF	20	Ked	3.5	4	1	---		---	0.25	C	20	40		X	X		Hilltop
F03	30.486331° N	-97.744243° W	CD	5	Ked	1.5	1.5	0.5	---		---	0.5	V	10	15	X		X		Hilltop
F04	30.486294° N	-97.744274° W	CD	5	Ked	5	4	0.25	---		---	---	F,V	5	10	X		X		Hilltop
F05	30.485734° N	-97.744281° W	O	5	Ked	15	20	2	---		---	0.75	V	5	10	X		X		Hillside
F06	30.485756° N	-97.744032° W	CD	5	Ked	---	---	---	---		---		C,V	5	10	X		X		Hillside
F07	30.486588° N	-97.744991° W	O	5	Ked	2	1	0.75	---		---	1	O	5	10	X		X		Hilltop
F08	30.486501° N	-97.745115° W	SF	20	Ked	1	1.5	0.75	---		---	0.5	O	19	39	X		X		Hilltop
F09	30.485559° N	-97.744196° W	CD	5	Ked	---	---	---	---		---	---	V	5	10	X		X		Hillside
F10	30.485846° N	-97.745050° W	CD	5	Ked	5	5	0.25	---		---	---	V	5	10	X		X		Hilltop
F11	30.486306° N	-97.745576° W	O	5	Ked	20	8	0.25	---		---	---	C	10	15	X		X		Hilltop
F12	30.485554° N	-97.745332° W	O	5	Ked	---	---	---	252° W	0	---	---	O	15	20	X		X		Hilltop
F13	30.486890° N	-97.743976° W	O	5	Ked	0.5	0.5	1	---		---	0.25	F,V	5	10	X		X		Hillside
F14	30.485044° N	-97.743379° W	O	5	Ked	5	6	0.5	---		---	---	N	20	25	X		X		Hillside
S-1	30.487077° N	-97.744258° W	SF	20	Ked	3	1	1	---		---	---	N	20	40		X	X		Hilltop
S-2	30.485354° N	-97.744033° W	CD	5	Ked	6	5	0.5	---		---	---	O	5	10	X		X		Hillside
S-3	30.486283° N	-97.744451°W	CD	5	Ked	3	2	1.25	---		---	---	O	30	35	X		X		Hilltop
S-4	30.486946° N	-97.744653° W	SF/SC	20	Ked	5	0.5	0.5	270° W	0	---	0.5	N	30	50		X	X		Hilltop
S-5	30.486680° N	-97.744536° W	CD	5	Ked	5	4	0.5	---		---	---	O	5	10	X		X		Hilltop
S-6	30.484941° N	-97.744135° W	CD	5	Ked	6	3	0.5	---		---	---	O	20	25	X		X		Hillside
S-7	30.484907° N	-97.744746° W	SC	20	Ked	1	1	1	---		---	0.33	O	5	25	X		X		Hillside

* DATUM: WGS84 (Coordinates recorded with a Trimble Catalyst DA2 GNSS Receiver, recorded by K. Naegeli/E. Matzner)

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

8A INFILLING

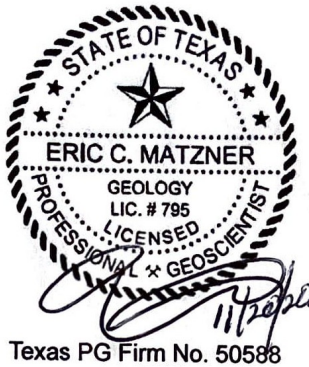
N	None, exposed bedrock
C	Coarse - cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organics, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone. cements. cave deposits
X	Other materials

12 TOPOGRAPHY
Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Date November 20, 2025

Sheet 1 of 1



Texas PG Firm No. 50588

TCEQ-0585-Table (Rev. 10-01-04)

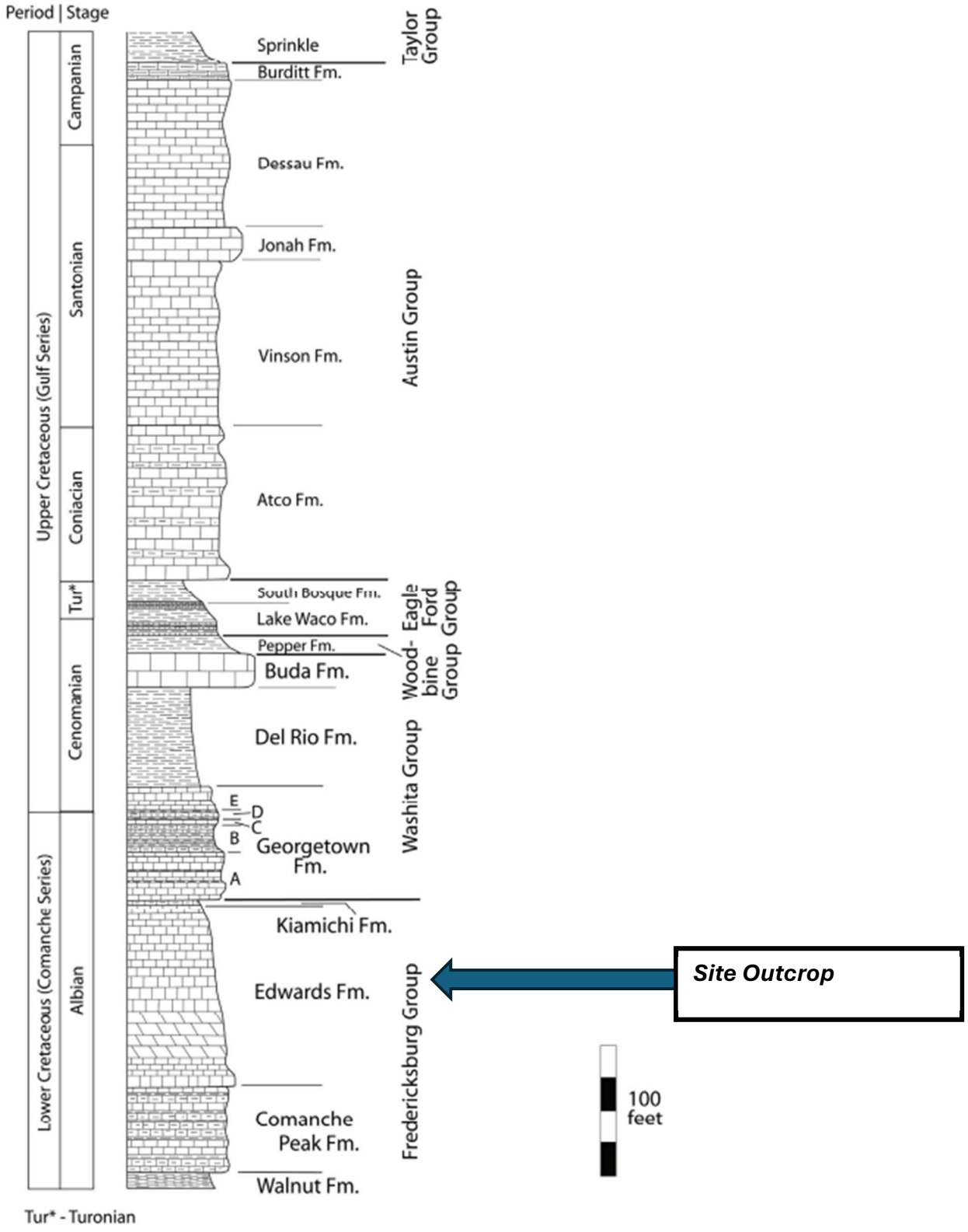
ATTACHMENT B

STRATIGRAPHIC COLUMN

ENSOLUM

Stratigraphic Column

Figure 1. Generalized Stratigraphic Column of the Round Rock Area



Source: *Housh, T.B., 2007. Bedrock Geology of Round Rock and Surrounding Areas, Williamson and Travis Counties, Texas*.

ATTACHMENT C

PHOTOLOG

ENSOLUM

ENSOLUM

Photographic Log
Redemption City Church
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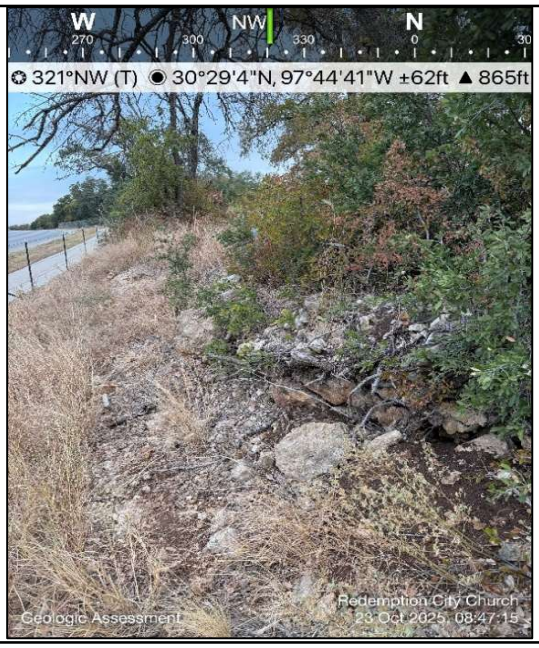
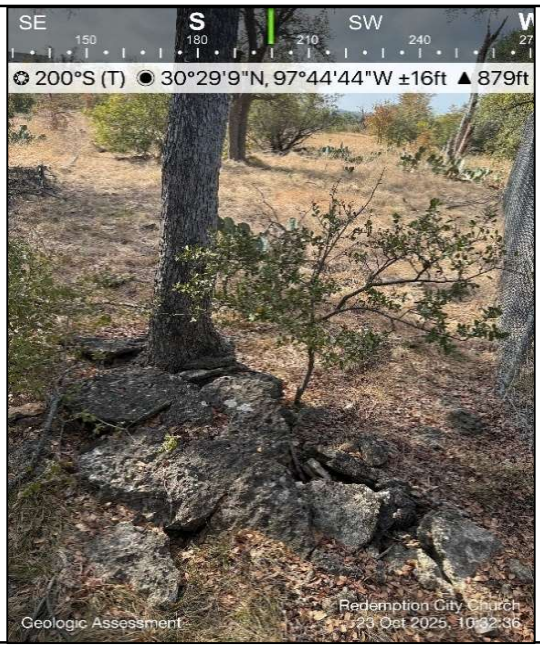
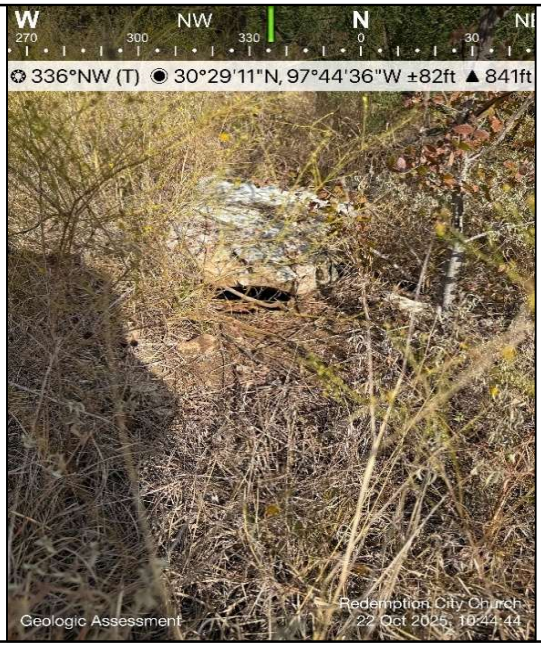
Austin, Texas



Photograph: 1 Date: 10/23/2025
Description: Feature F01: solution fracture, tree root fracture into bedrock
View: Northwest



Photograph: 2 Date: 10/22/2025
Description: Feature F02: bedrock fractured by tree roots, dissolution features
View: Northeast



Photograph: 3 Date: 10/22/2025
Description: Feature F03: animal burrow, non-karst
View: North/Northwest

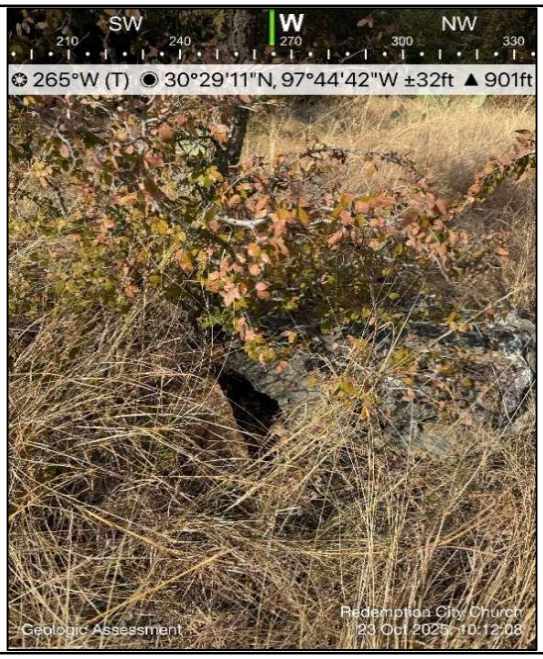
Photograph: 4 Date: 10/22/2025
Description: Feature F04: non-karst closed depression
View: South

Photographic Log
Redemption City Church
Pearson Ranch - Geologic Assessment
Austin, Texas

Photograph: 5 Date: 10/23/2025
Description: Feature F05: Disturbed bedrock, animal burrow
View: Southeast

Photograph: 6 Date: 10/22/2025
Description: Feature F06: soil/rock pile, non-karst
View: South

Photograph: 7 Date: 10/22/2025
Description: Feature F07: kerran feature with animal burrow
View: Southeast



Photograph: 8 Date: 10/23/2025
Description: Feature F08: dissolution fracture, animal burrow
View: West

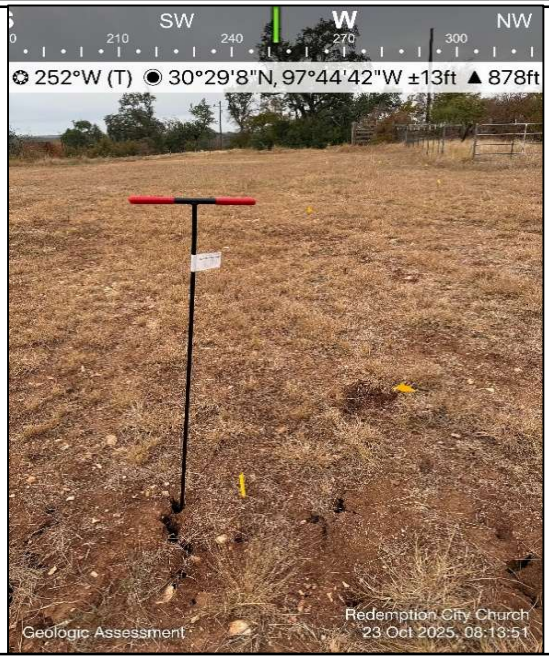
ENSOLUM

Photographic Log
Redemption City Church
Pearson Ranch - Geologic Assessment
Austin, Texas

Photograph: 9 Date: 10/22/2025
Description: Feature F9: tree/shrub clearing pile, non-karst, man-made
View: Southwest

Photograph: 10 Date: 10/22/2025
Description: Feature F10: non-karst closed depression
View: Northeast

Photograph: 11 Date: 10/22/2025
Description: Feature F11: Bedrock rubble area
View: North



Photograph: 12 Date: 10/23/2025
Description: Feature F12: Clayey soil desiccation zone E-W trend
View: West

ENSOLUM

Photographic Log
Redemption City Church
Pearson Ranch - Geologic Assessment
Austin, Texas

Photograph: 13 Date: 10/22/2025
Description: Feature F13: bedrock fracture
View: Southwest

Photograph: 14 Date: 10/22/2025
Description: Feature F14: Bedrock rubble area
View: Northeast

Photograph: 15 Date: 10/22/2025
Description: Feature S-1: Solution-enlarged bedrock fracture (~3ft x 1ft x 1ft). Packed soils observed within fracture.
View: North

Photograph: 16 Date: 10/22/2025
Description: Feature S-2: Non-karst depression
View: East

ENSOLUM

Photographic Log
Redemption City Church
Pearson Ranch - Geologic Assessment
Austin, Texas

Photograph: 17 Date: 10/22/2025
Description: Feature S-3: non-karst closed depression/animal burrow
View: Southeast

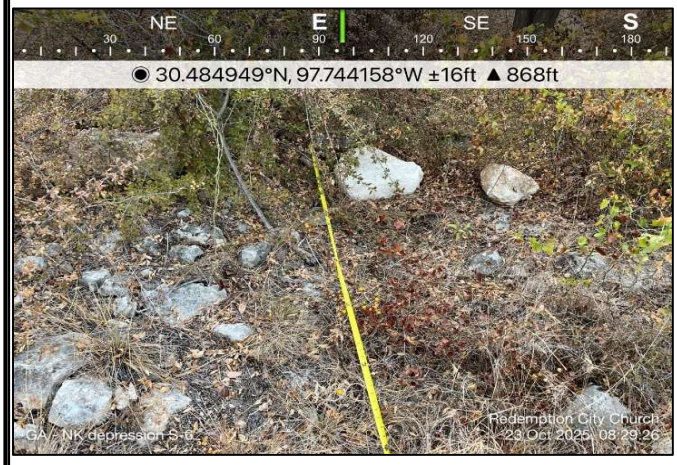
Photograph: 18 Date: 10/22/2025
Description: Feature S-4: Solution-enlarged fracture over about a 5-foot area
View: East

Photograph: 19 Date: 10/22/2025
Description: Feature S-4: Solution-enlarged fracture (~0.5 ft wide) over about a 5-foot area
View: East-Southeast

Photograph: 20 Date: 10/22/2025
Description: Feature S-5: Non-karst depression
View: North-Northeast

ENSOLUM

Photographic Log
Redemption City Church
Pearson Ranch - Geologic Assessment
Austin, Texas



Photograph: 21 Date: 10/23/2025
Description: Feature S-6: Non-karst depression, some vegetation, no signs of rapid infiltration
View: South

Photograph: 22 Date: 10/22/2025
Description: Feature S-7: Solution cavity, likely karren limited to soil zone.
View: Northeast

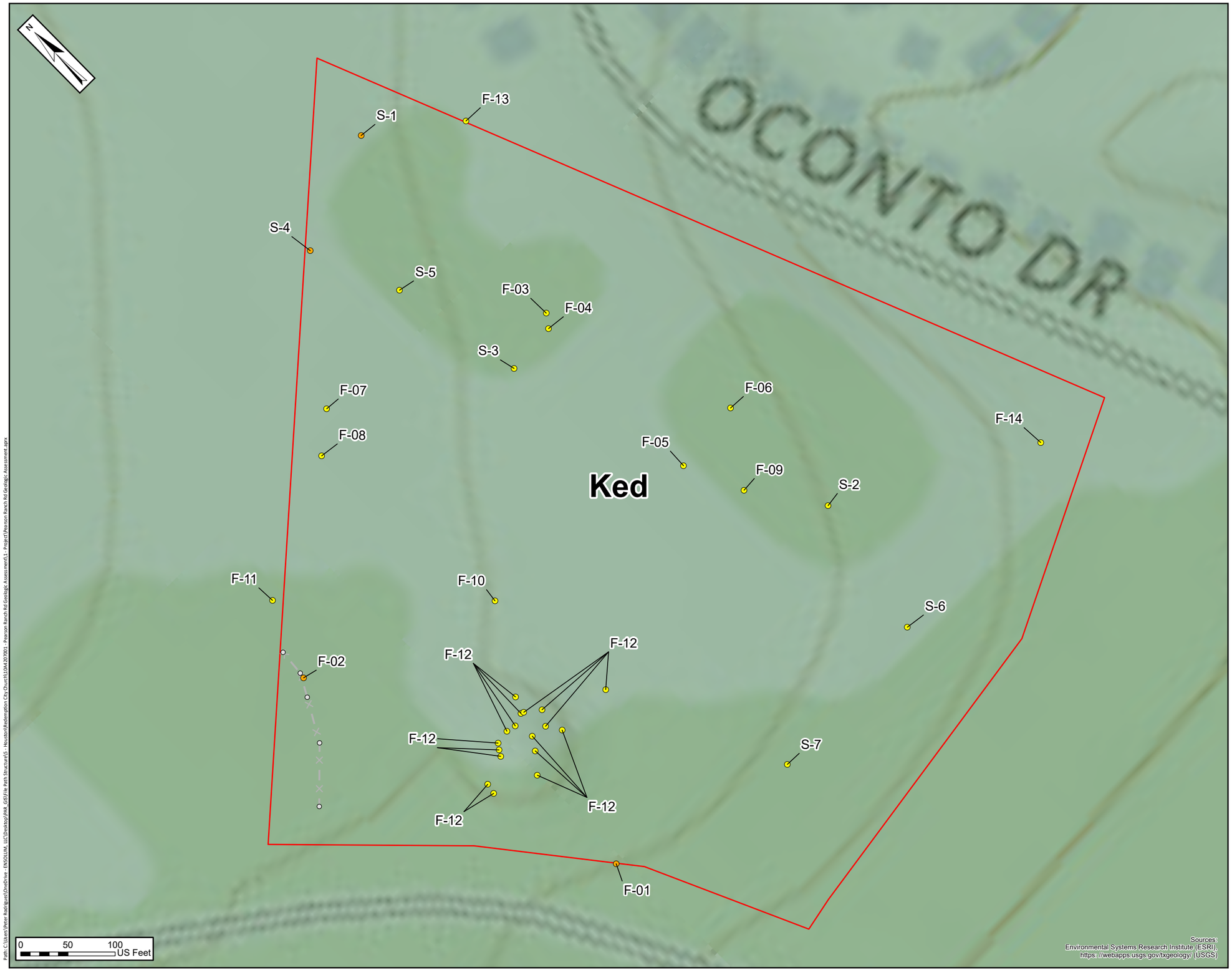
Photograph: Date:
Description:
View:

Photograph: Date:
Description:
View:

ATTACHMENT D

FIGURES

ENSOLUM



LEGEND

- Site Location
- Non-Sensitive Features
- Sensitive Features
- Fence Post
- Fence
- Ked — Edwards Limestone

Notes:
Sheet Name: Austin
Period: Cretaceous
Epoch or Series: Comanchean
Group: Fredericksburg Group

STATE OF TEXAS
ERIC C. MATZNER
GEOLOGY
LIC. # 795
LICENSED
PROFESSIONAL GEOSCIENTIST
11/24/2015

Texas PG Firm No. 50588

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Geologic Map

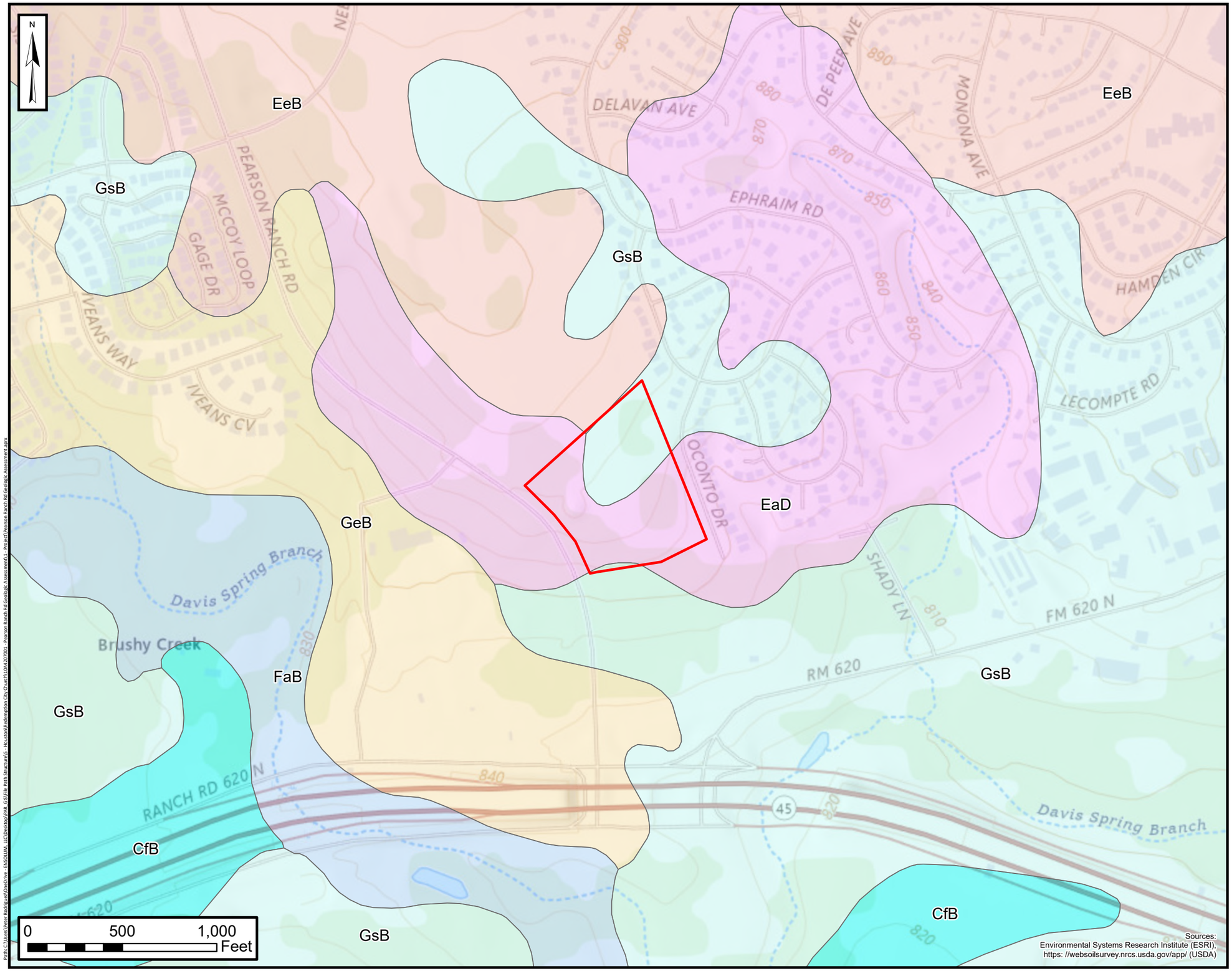
Pearson Ranch Rd Geologic Assessment
Redemption City Church

Ranch Road 620 and Pearson Ranch Road
Austin, TX 78717

Figure 1

Project Number: 10A4207001

Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\5 - Houston\Redemption City Church\10A4207001 - Pearson Ranch Rd Geologic Assessment\1 - Project\Pearson Ranch Rd Geologic Assessment.aprx



LEGEND

- Site Location
- CfB — Crawford Clay, 1% to 3% Slopes
- EaD — Eckrant Cobbly Clay, 1% to 8% Slopes
- EaB — Eckrant Stony Clay, 0% to 3% Slopes, Stony
- FaB — Fairlie Clay, 1% to 2% Slopes
- GeB — Georgetown Clay Loam, 0% to 2% Slopes
- GsB — Georgetown Stony Clay Loam, 1% to 3% Slopes

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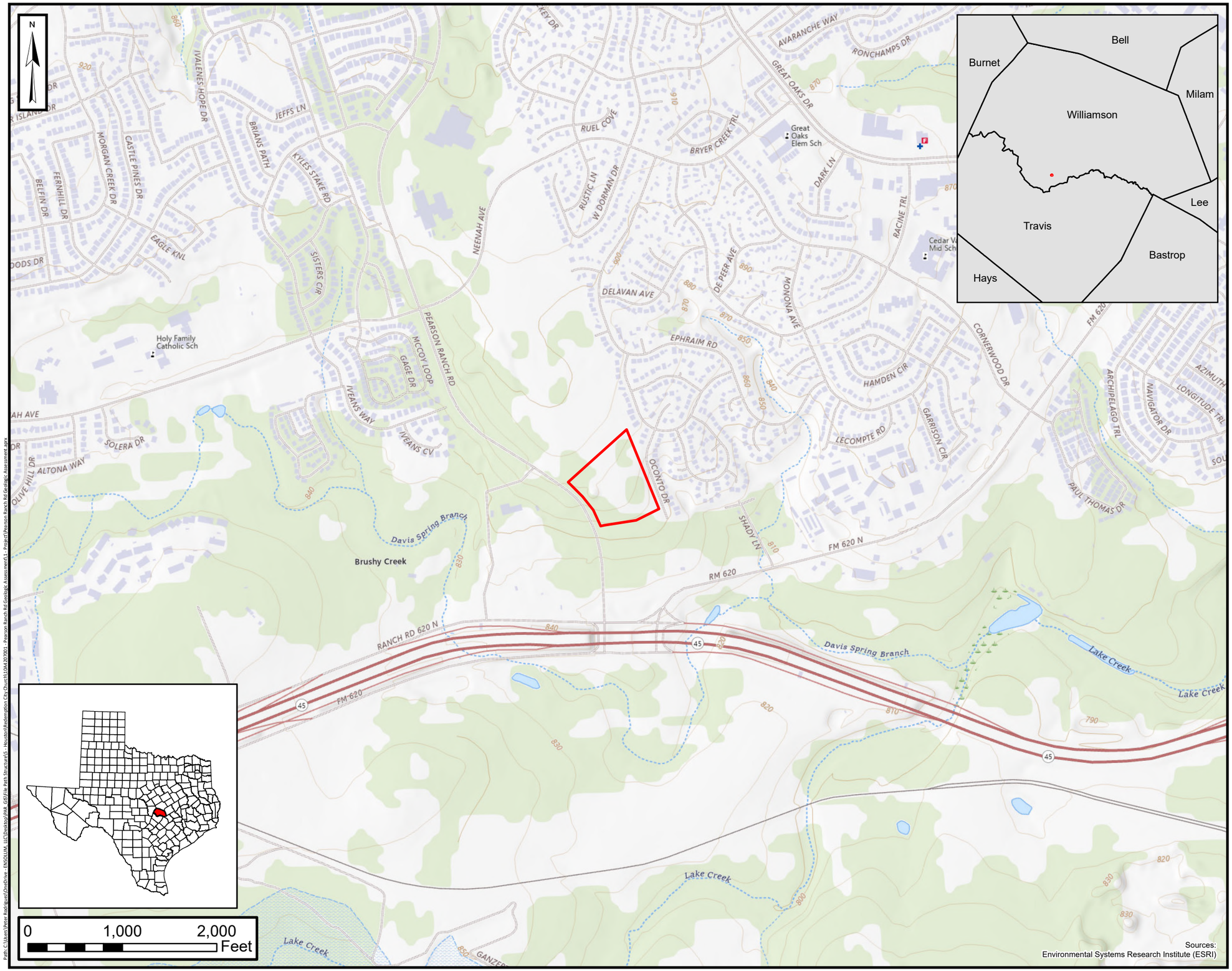
Soils Map

Pearson Ranch Rd Geologic Assessment
Redemption City Church

Ranch Road 620 and Pearson Ranch Road
Austin, TX 78717

Figure 2



LEGEND

Site Location

Notes:
Topographic Maps: Jollyville and Pflugerville West U.S.G.S. Quadrangles

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Pearson Ranch Rd Geologic Assessment
Redemption City Church

Ranch Road 620 and Pearson Ranch Road
Austin, TX 78717

Figure 3

Project Number: 10A4207001

Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\10A_GIS\File Path Structure\5 - Houston\Redemption City Church\10A4207001 - Pearson Ranch Rd Geologic Assessment\1 - Project\Pearson Ranch Rd Geologic Assessment.aprx

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: Jen Henderson, P.E.

Date: 3/16/2026

Signature of Customer/Agent:

Regulated Entity Name: Redemption City Church

Regulated Entity Information

1. The type of project is:

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

2. Total site acreage (size of property): 12.64

3. Estimated projected population:_____

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	54,742	÷ 43,560 =	1.257
Parking	46,332	÷ 43,560 =	1.064
Other paved surfaces	229,285	÷ 43,560 =	5.264
Total Impervious Cover	330,359	÷ 43,560 =	7.585

Total Impervious Cover 7.585 **÷ Total Acreage** 12.64 **X 100 =** 60 **% Impervious Cover**

5. [X] **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. [X] 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 = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

10. Length of pavement area: _____ feet.

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

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:

_____% Domestic	_____Gallons/day
_____% Industrial	_____Gallons/day
_____% Commingled	_____Gallons/day
TOTAL gallons/day _____	

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.

[X] The sewage collection system will convey the wastewater to the City of Austin Treatment Plant. The treatment facility is:

[X] Existing.
[ ] Proposed.

16. [X] 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. [X] The Site Plan must have a minimum scale of 1" = 400'.

Site Plan Scale: 1" = 50 '.

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.
[X] No part of the project site is located within the 100-year floodplain.
The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA Flood Map 48491C0630F dated December 20, 2019.

19. [X] The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, 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.

[X] 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:

[X] 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. [X] The drainage patterns and approximate slopes anticipated after major grading activities.
23. [X] Areas of soil disturbance and areas which will not be disturbed.
24. [X] Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
25. [X] Locations where soil stabilization practices are expected to occur.
26. [ ] Surface waters (including wetlands).

    [X] N/A
27. [ ] Locations where stormwater discharges to surface water or sensitive features are to occur.

    [X] There will be no discharges to surface water or sensitive features.
28. [X] Legal boundaries of the site are shown.

Administrative Information

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

Factors Affecting Surface Water Quality

The construction activities associated with the Redemption City Church plan of development could result in additional Total Suspended Solids (TSS) loads during the construction of the site improvements. This potential increased locating will be mitigated with the use of silt fencing that is to be placed downgradient of the active construction areas and the placement of stabilized construction entrances at the entrance(s) of the project. Rock berms may be used in areas of concentrated flows during construction activities.

The overall impervious cover of the site will be approximately 60%, 7.58-acres of the 12.64-acre site. The runoff from the site will be treated by a sedimentation and filtration basin that is part of the proposed StormTrap system. The permanent stormwater control calculations have been provided on the plan set and demonstrate the functionality of the proposed stormwater Best Management Practices. The proposed stormwater conveyance system will protect the water quality of Lake Creek.

Volume and Character of Stormwater

The peak storm water before construction for Redemption City Church improvements has been calculated to be 63.127 cfs for the 25-yr storm event and 100.847 cfs for the 100-yr storm event. This is given that the project site is currently 12.64 acres of land that is open space in good condition over soils group D at 1 - 8 percent slopes and a percent impervious cover of 0.99%. The character of existing runoff is that of undeveloped land in proximity to an apartment complex and residential developments.

After construction the character of the runoff will change such that hydrocarbon residues from vehicles, buildings, and other contamination typical of a developed storage facility may be present. The peak storm water discharges post-construction after detention has been calculated to be 61.541 cfs for the 25-yr storm event and 100.540 cfs for the 100-yr storm event, given that the overall proposed impervious cover percentage of the property is 60%. A proposed StormTrap system containing sedimentation and filtration basins on the site will capture most of the foreign elements. The proposed StormTrap system detention volume will detain the peak runoff for the 2-, 10-, 25-, and 100-year storms and releases are designed to be less than the existing conditions.

Detailed calculations will be shown within the construction plan set sheet set.

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.

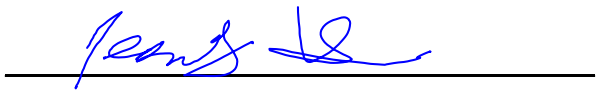
Signature

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: Jen Henderson, PE

Date: 3/16/2026

Signature of Customer/Agent:



Regulated Entity Name: Redemption City Church

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: Lake Creek

Temporary Best Management Practices (TBMPs)

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

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

- [X] 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.
- [X] 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.
- [X] A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
- [X] 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. [X] 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.
   - [X] There will be no temporary sealing of naturally-occurring sensitive features on the site.

9. [X] **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. [X] **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.

[X] 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.

    [X] N/A

12. [X] **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. [X] 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. [X] 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. [X] 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. [X] 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. [X] **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. [X] 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. [X] Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. [X] All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.

21. [X] 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. [X] 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

The first steps that should be taken in the event of a spill are keeping people safe, identifying what has been spilled, and determining if warning signs are needed. The next step is to call the State of Texas Spill-Reporting Hotline and the SERC: 1-800-832-8224 no later than 24 hours after the discovery of the spill or discharge. The local TCEQ office shall also be contacted at 512-339-2929. All clean-up will follow the Spill Prevention and Control guidance outlined in Chapter 327 of the Texas Administrative Code.

Reasonable Response Actions:

1. Arrival of the responsible person or response personnel hired by the responsible person at the time of the discharge/spill
2. Make an effort to stop the spill or discharge
3. Minimizing the impact of the spill on public health and the environment
4. Neutralizing the effects of the incident
5. Removing the discharged or spilled substances
6. Managing the wastes

Kind of spill	Where discharged	Reportable quantity	Rule, statute, or responsible agency
Hazardous substance	onto land	"Final RQ" in Table 302.4 in **40 CFR 302.4** (PDF)	**30 TAC 327**
	into water	"Final RQ" or 100 lbs, whichever is **less**	
Any oil	coastal waters	as required by the Texas General Land Office	**Texas General Land Office**
Crude oil, oil that is neither a petroleum product nor used oil	onto land	210 gallons (five barrels)	**30 TAC 327**
	directly into water	enough to create a sheen	
Petroleum product, used oil	onto land, from an exempt PST facility	210 gallons (five barrels)	**30 TAC 327**
	onto land, or onto land from a non-exempt PST facility	25 gallons	
	directly into water	enough to create a sheen	
Associated with the exploration, development and production of oil, gas, or geothermal resources	under the jurisdiction of the Railroad Commission of Texas	as required by the Railroad Commission of Texas	**Railroad Commission of Texas**
Industrial solid waste or other substances	into water	100 lbs	**30 TAC 327**
From petroleum storage tanks, underground or aboveground	into water	enough to create a sheen on water	**30 TAC 334** .75-81
From petroleum storage tanks, underground or aboveground	onto land	25 gallons or equal to the RQ under **40 CFR 302**	**30 TAC 327**
Other substances that may be useful or valuable and are not ordinarily considered to be waste, but will cause pollution if discharged into water in the state	into water	100 lbs	**30 TAC 327**

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

If a spill or accidental discharge is to occur it will be promptly contained by the responsible persons. Any spills will be excavated and properly disposed of.

Attachment B – Potential Sources of Contamination

There are a few potential sources of contamination with the construction of this project. A potential source of contamination is fuel for the equipment that will be utilized for excavation and other construction activities on the site. Concrete paving as well as a concrete curb and gutter will also take place on the site to construct the buildings, driveway, and parking lot. Paving can introduce a potential for surface water contamination.

Attachment C – Sequence of Major Activities

Below is a list of the major activities that will take place for the site development. The nearest receiving water ultimately discharges to Lake Creek.

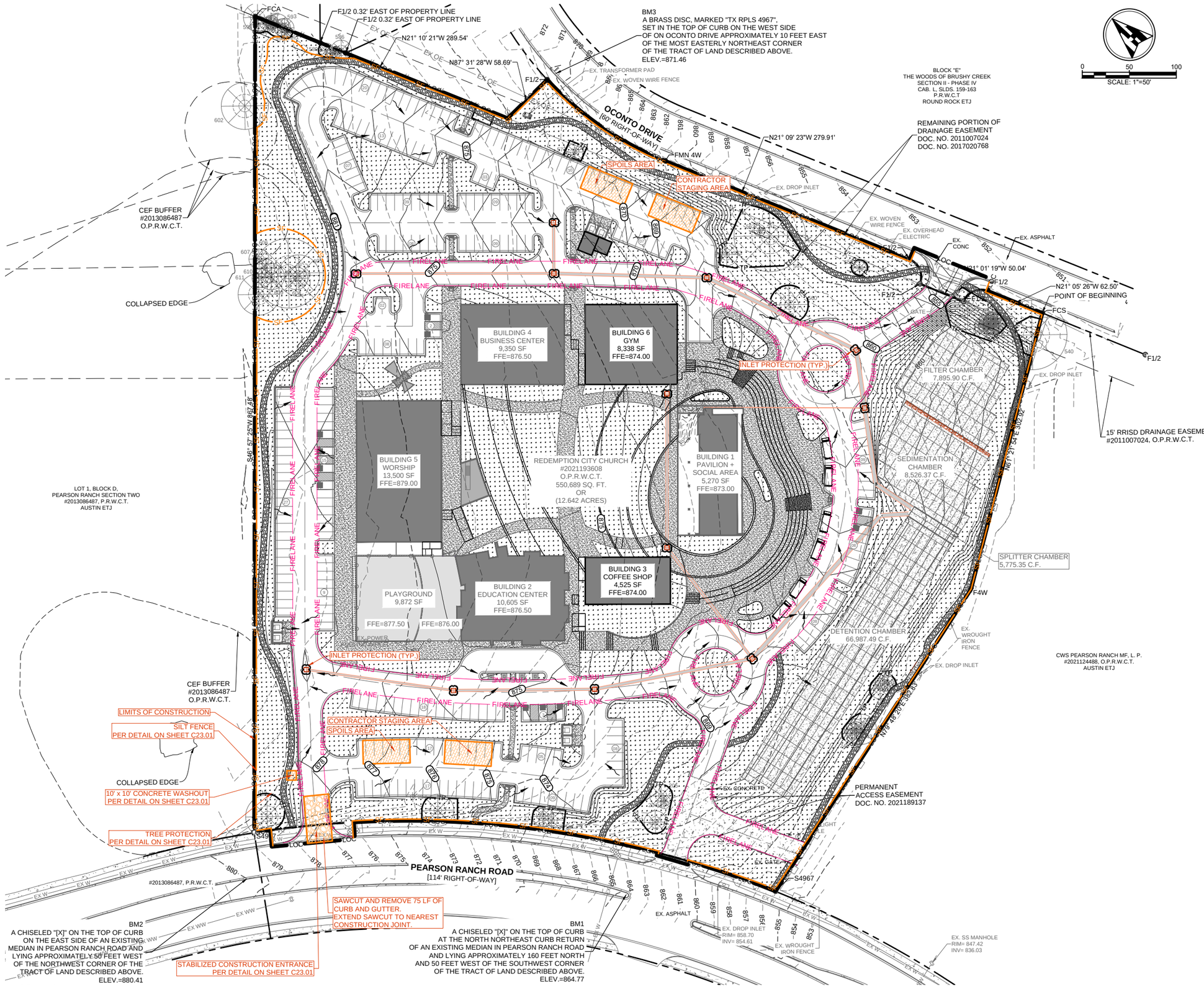
1. There will be clearing and grubbing where the construction will take place. Approximately 12.73 acres of the site will be cleared of brush and trees. Silt fence will be put in place downstream of the disturbance to ensure that any soil loosened in the process will be contained on the site in the event of a storm. Tree protection will be installed before other trees are removed.
2. Excavation and utility installation will take place after the clearing and grubbing. The silt fence will still be in place from the initial installation and will be inspected to ensure it is still intact. Any damaged portions will be removed and replaced. A stabilized construction entrance will be used to prevent track out from the site.
3. After the utilities are installed the construction of the buildings, parking lots, driveways, and other developments will proceed. All previously mentioned erosion and sediment controls will be incorporated into the site development. Additional silt fencing will be put in place downstream if necessary. A concrete washout will be utilized for concrete waste.

Attachment D – Temporary Best Management Practices and Measures

Several temporary BMPs will be utilized on the project site. A silt fence will be placed downstream of the site to prevent flows from picking up sediment and discharging from the site. Tree protection would be put in place to shield trees that are not being removed from damage. Inlet protection for the storm sewer network will be provided. A stabilized construction entrance will also be provided in order to prevent any vehicles entering or exiting the site from tracking out sediment into the street. A concrete washout would be used to manage concrete waste. Flows from the site will be contained in order to prevent them from entering surface streams, sensitive features, or the aquifer. Based on the updated geologic survey, several naturally occurring sensitive features have been identified on the site, and these areas will be protected accordingly during construction.

HPE
Civil Engineering

Attachment F – Structural Practices



LEGEND	
LOC	LIMITS OF CONSTRUCTION (12.74 Ac.)
	INLET PROTECTION
SF	SILT FENCE
TP	TREE PROTECTION FENCE
	FLOW ARROW

NOTES:

1. THIS PROJECT WILL NOT REQUIRE ANY FORM OF PHASING OR SLOPE STABILIZATION.
2. REFER TO LANDSCAPE PLANS FOR RESEEDING AND REVEGETATION REQUIREMENTS.
3. NO PERMANENT EROSION CONTROL MEASURES WILL BE INSTALLED WITH THIS PROJECT.
4. REFER TO SHEET C23.01 FOR STANDARD DETAILS - ESC.
5. ALL MUD, DIRT, ROCKS, DEBRIS, ETC., SPILLED, TRACKED OR OTHERWISE DEPOSITED ON EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.
6. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.
7. ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS, GRASS MIXTURES OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED.
8. ALL DISTURBED AREAS SHALL BE RE-VEGETATED TO MEET THE REQUIREMENTS OF WILLIAMSON COUNTY ORDINANCES.
9. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR AT THE TIME OF CONSTRUCTION.

WOMEN OWNED
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Civil Engineering
WBE2101661 | HUB 1853873845300

No.	REVISION
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2	
3	
4	
5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

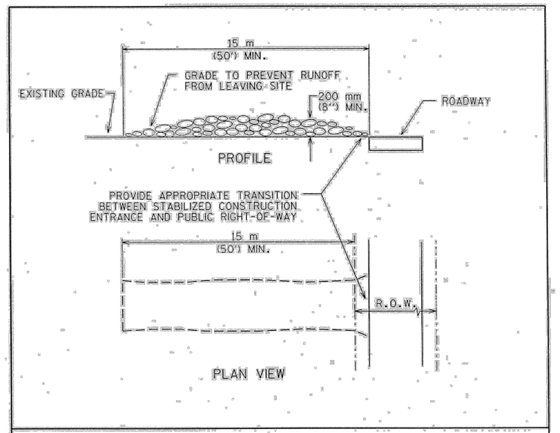
EROSION AND SEDIMENTATION CONTROL PLAN

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C08.00

COUNTY PROJECT NUMBER: 2025-1563-COC

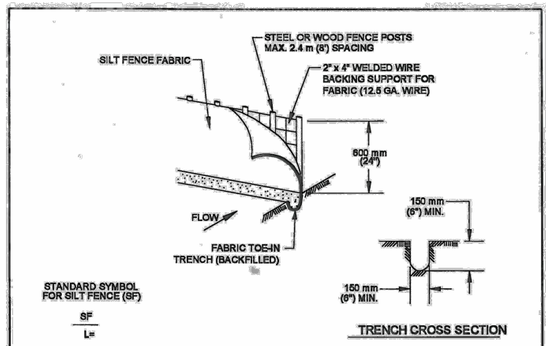
Plotted by: Morgan, Plot date: 1603/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 EROSION AND SEDIMENTATION CONTROL PLAN.dwg



NOTES:

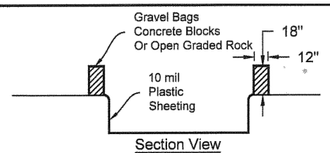
1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO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

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STABILIZED CONSTRUCTION ENTRANCE	
5/23/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 641S-1



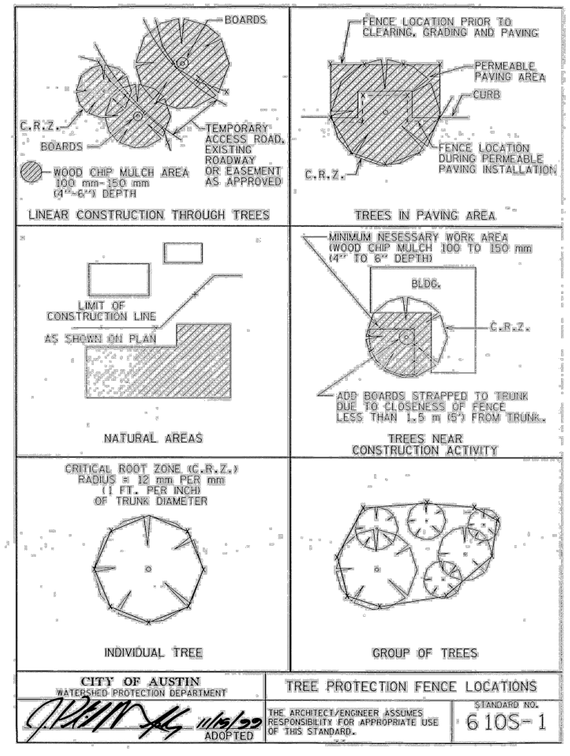
1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 Inches) DEPTH, USE STEEL POSTS.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A GRADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 Inches) DEEP AND 150 mm (6 Inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 Inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE	
9/1/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 642S-1

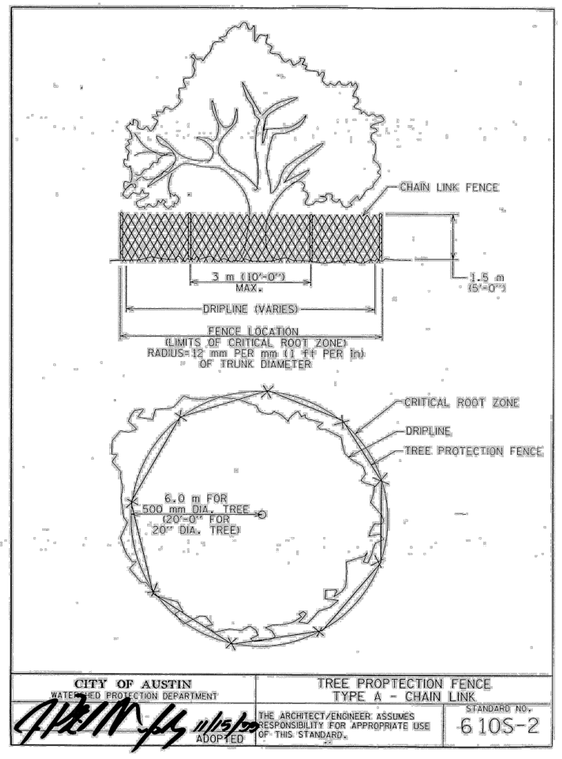


Alternative Self-Installed Construction Site Concrete Truck Washout

1. The excavation for the concrete truck washout shall be a minimum of 10' wide and of sufficient length and depth to accommodate 7 gallons of washout water and concrete per truck per day and/or 50 gallons of washout water and concrete per pump truck per day.
2. In the event that the self-installed concrete truck washout is constructed above ground, it shall be 10' wide and 10' long with the same requirements for containment as described in item 1.
3. The containment area shall be lined with 10 mil plastic sheeting, without holes or tears. Where there are seams, these shall be secured according to manufacturers directions.
4. The plastic sheeting shall be of sufficient size so that it will overlap the top of the containment area and be wrapped around the gravel bags, concrete blocks or open graded rock as least 2 times.
5. The gravel bags or concrete blocks shall be placed abutting each other to form a continuous berm around the outer perimeter of the containment area.
6. The berm consisting of gravel bags, concrete blocks or open graded rock shall be no less than 18" high and no less that 12" wide.
7. The containment area shall not exceed 50% of capacity at any one time.
8. Solids shall be removed from containment area and disposed of properly and any damage to the plastic sheeting shall be repaired or sheeting replaced before next use.



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROTECTION FENCE LOCATIONS	
11/15/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-1



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROPTECTION FENCE TYPE A - CHAIN LINK	
11/15/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-2

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SITE DEVELOPMENT PLANS
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AUSTIN, TX 78717

STANDARD DETAILS - ESC

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C23.01

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STANDARD DETAILS SHEETS.dwg

HPE
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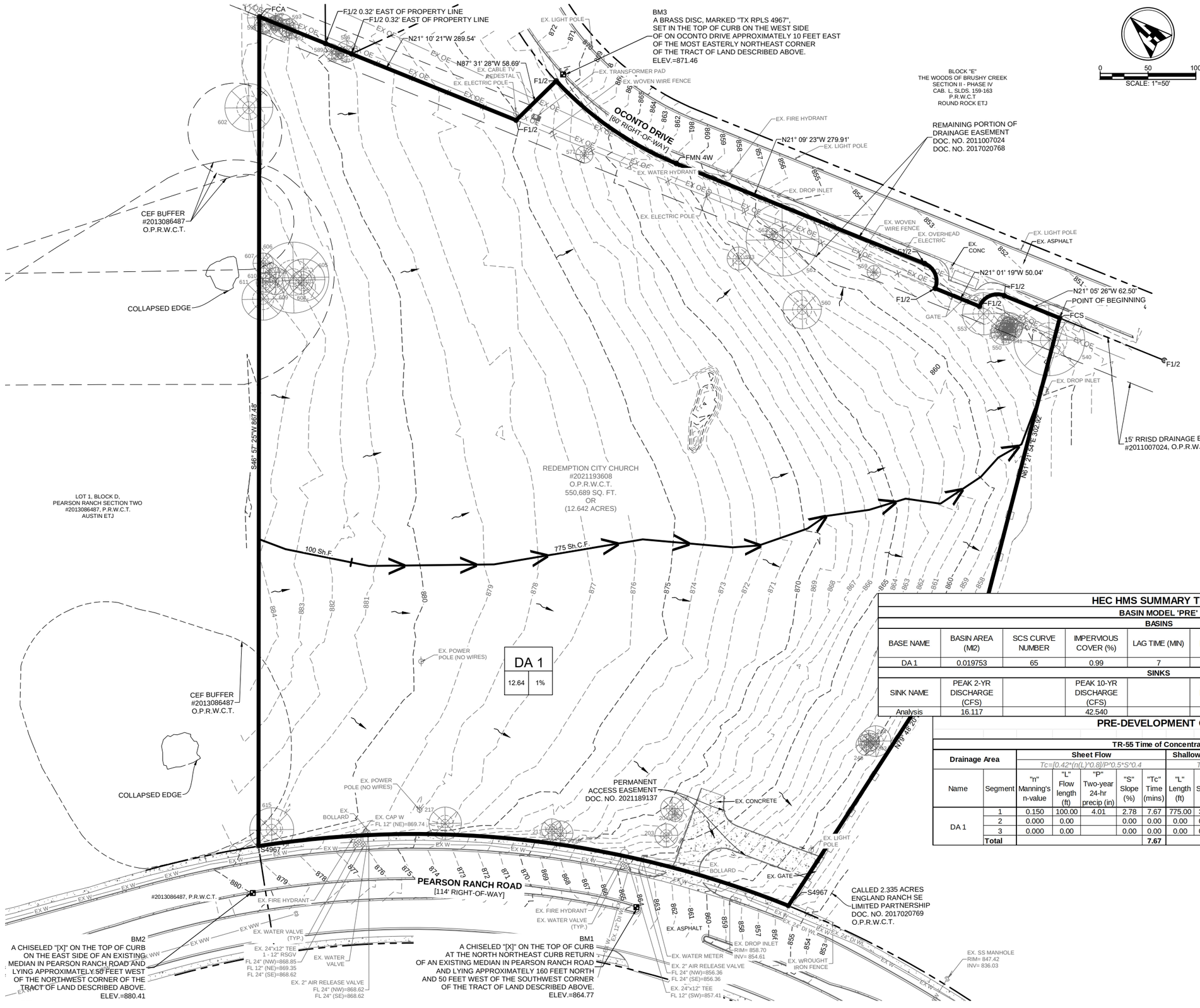
Attachment G – Drainage Area Map



LEGEND

DA 1 / 0.90 / 0%	DRAINAGE AREA LABEL AREA NAME, AREA (ACRES), IMPERVIOUS COVER PERCENTAGE
X	ANALYSIS POINT
100 LF Sh.F.	SHEET FLOW SEGMENT OF TIME OF CONCENTRATION (Tc) PATH
500 LF Sh.C.F.	SHALLOW CONCENTRATED FLOW SEGMENT OF Tc PATH
500 LF Ch.F.	CHANNELIZED FLOW SEGMENT OF Tc PATH
	FLOW ARROW

HEC HMS SUMMARY TABLE

BASIN MODEL 'PRE'

BASINS

BASE NAME	BASIN AREA (MI2)	SCS CURVE NUMBER	IMPERVIOUS COVER (%)	LAG TIME (MIN)	PEAK 2-YR DISCHARGE (CFS)	PEAK 10-YR DISCHARGE (CFS)	PEAK 25-YR DISCHARGE (CFS)	PEAK 100-YR DISCHARGE (CFS)
DA 1	0.019753	65	0.99	7	16.117	42.540	63.127	100.847

SINKS

SINK NAME	PEAK 2-YR DISCHARGE (CFS)		PEAK 10-YR DISCHARGE (CFS)		PEAK 25-YR DISCHARGE (CFS)		PEAK 100-YR DISCHARGE (CFS)	
Analysis	16.117		42.540		63.127		100.847	

PRE-DEVELOPMENT CALCULATIONS

TR-55 Time of Concentration Calculations

Drainage Area		Sheet Flow					Shallow Concetrated Flow				Channel Flow					Total Travel Time (Tc)
		Tc=[0.42*(n(L)^0.8]/[P^0.5*S^0.4					Tc=L/3600*V				Tc=L/3600*V					
Name	Segment	"n" Manning's n-value	"L" Flow length (ft)	"P" Two-year 24-hr precip (in)	"S" Slope (%)	"Tc" Time (mins)	"L" Length (ft)	"S" Slope (%)	"V" Velocity (ft/s)	"Tc" Time (mins)	"S" Slope (%)	"n" Manning's n-value	"L" Length (ft)	"V" Velocity (ft/s)	"Tc" Time (mins)	
DA 1	1	0.150	100.00	4.01	2.78	7.67	775.00	3.48	3.01	4.29	0.00	0.000	0.00	0.00	0.00	
	2	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	3	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	Total					**7.67**				**4.29**					**0.00**	**12**

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AUSTIN, TX 78717

PRE-DEVELOPMENT DRAINAGE AREA MAP

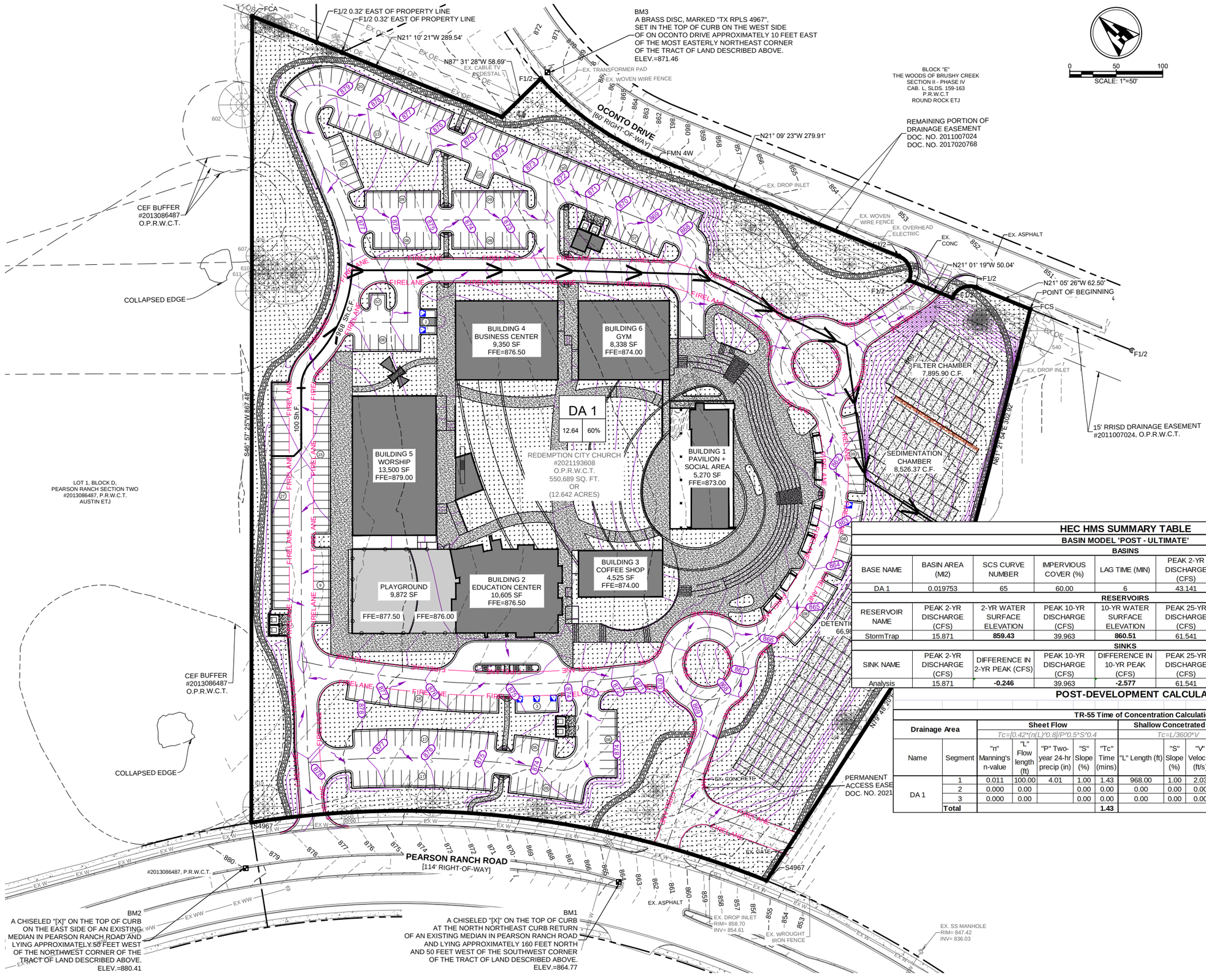
JENNIFER L HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C13.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 PRE-DEVELOPMENT DRAINAGE AREA MAP.dwg



LEGEND

DA 1 / 0.90 / 0%	DRAINAGE AREA LABEL AREA NAME, AREA (ACRES), IMPERVIOUS COVER PERCENTAGE
X	ANALYSIS POINT
100 LF Sh.F.	SHEET FLOW SEGMENT OF TIME OF CONCENTRATION (Tc) PATH
500 LF Sh.C.F.	SHALLOW CONCENTRATED FLOW SEGMENT OF Tc PATH
500 LF Ch.F.	CHANNELIZED FLOW SEGMENT OF Tc PATH
	FLOW ARROW

HEC HMS SUMMARY TABLE

BASIN MODEL 'POST - ULTIMATE'

BASINS

BASE NAME	BASIN AREA (MI2)	SCS CURVE NUMBER	IMPERVIOUS COVER (%)	LAG TIME (MIN)	PEAK 2-YR DISCHARGE (CFS)	PEAK 10-YR DISCHARGE (CFS)	PEAK 25-YR DISCHARGE (CFS)	PEAK 100-YR DISCHARGE (CFS)
DA 1	0.019753	65	60.00	6	43.141	72.356	93.613	131.022

RESERVOIRS

RESERVOIR NAME	PEAK 2-YR DISCHARGE (CFS)	2-YR WATER SURFACE ELEVATION	PEAK 10-YR DISCHARGE (CFS)	10-YR WATER SURFACE ELEVATION	PEAK 25-YR DISCHARGE (CFS)	25-YR WATER SURFACE ELEVATION	PEAK 100-YR DISCHARGE (CFS)	100-YR WATER SURFACE ELEVATION
StormTrap	15.871	**859.43**	39.963	**860.51**	61.541	**861.10**	100.540	**861.97**

SINKS

SINK NAME	PEAK 2-YR DISCHARGE (CFS)	DIFFERENCE IN 2-YR PEAK (CFS)	PEAK 10-YR DISCHARGE (CFS)	DIFFERENCE IN 10-YR PEAK (CFS)	PEAK 25-YR DISCHARGE (CFS)	DIFFERENCE IN 25-YR PEAK (CFS)	PEAK 100-YR DISCHARGE (CFS)	DIFFERENCE IN 100-YR PEAK (CFS)
Analysis	15.871	**-0.246**	39.963	**-2.577**	61.541	**-1.586**	100.540	**-0.307**

POST-DEVELOPMENT CALCULATIONS

TR-55 Time of Concentration Calculations

Drainage Area		Sheet Flow					Shallow Concetrated Flow				Channel Flow					
		Tc=[0.42*(n(L)^0.8]/[P^0.5*S^0.4					Tc=L/3600*V				Tc=L/3600*V					
Name	Segment	"n" Manning's n-value	"L" Flow length (ft)	"P" Two-year 24-hr precip (in)	"S" Slope (%)	"Tc" Time (mins)	"L" Length (ft)	"S" Slope (%)	"V" Velocity (ft/s)	"Tc" Time (mins)	"S" Slope (%)	"n" Manning's n-value	"L" Length (ft)	"V" Velocity (ft/s)	"Tc" Time (mins)	
DA 1	1	0.011	100.00	4.01	1.00	1.43	968.00	1.00	2.03	7.94	0.00	0.000	0.00	0.00	0.00	
	2	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	3	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	Total					**1.43**				**7.94**					**0.00**	**9**

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POST-DEVELOPMENT DRAINAGE AREA MAP

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C14.00

Plotted by: Morgan, Plot date: 16/03/2026
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COUNTY PROJECT NUMBER: 2025-1563-COC

Attachment I – Inspection and Maintenance for BMPs

The following inspection plan has been laid out for each BMP:

1. Silt fence
    a. Silt fence will be inspected monthly and after large rainfall events to ensure there are not any compromised points. If it is found that the silt fence is damaged it will be removed and replaced with new fence.
2. Stabilized Construction Entrance
    a. A stabilized construction entrance will be provided for the site. The construction entrance will be inspected on a monthly basis. If the aggregate becomes damaged or no longer prevents track out, it will be removed and replaced with new aggregate.
3. Concrete Washout
    a. A concrete washout will be provided for any excess concrete and for truck cleaning. The washout will be inspected on a monthly basis and at the end of the day on concrete pours. Once the washout is full, it will be disposed of properly and either replaced with a new washout or emptied fully.
4. Tree Protection
    a. Tree protection will be installed at the beginning of the project. All tree protection will be inspected on a monthly basis. If the protection is damaged at any point during the construction process it will be replaced with adequate protection.

Silt Fence Maintenance	Date	Signature
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.		

Stabilized Construction Entrance	Date	Signature
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.		

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Tree Protection	Date	Signature
If the soil has become compacted over the root zone of any tree, the ground should be aerated by punching holes with an iron bar. The bar should be driven 1- foot deep and then moved back and forth until the soil is loosened. This procedure should be repeated every 18 inches until all of the compacted soil beneath the crown of the tree has been loosened.		
Any damage to the crown, trunk, or root system of any tree retained on the site should be repaired immediately.		
Whenever major root or bark damage occurs, remove some foliage to reduce the demand for water and nutrients.		
Damaged roots should immediately be cut off cleanly inside the exposed or damaged area. Cut surfaces should be painted with approved tree paint, and moist peat moss, burlap, or topsoil should be spread over the exposed area.		
To treat bark damage, carefully cut away all loosened bark back into the undamaged area, taper the cut at the top and bottom, and provide drainage at the base of the wound.		
All tree limbs damaged during construction or removed for any other reason should be cut off above the collar at the preceding branch junction.		

Care for serious injuries should be prescribed by a forester or a tree specialist.		
Broadleaf trees that have been stressed or damaged should receive a heavy application of fertilizer to aid their recovery. Trees should be fertilized in the late fall (after November 1) or the early spring (until April 1). Fall applications are preferred, as the nutrients will be made available over a longer period of time. Fertilizer should be applied to the soil over the feeder roots. In no case should it be applied closer than 3 feet to the trunk. Fertilizer should be applied using approved fertilization methods and equipment.		
Maintain a ground cover of organic mulch around trees that is adequate to prevent erosion, protect roots, and hold water.		

Sediment Basins	Date	Signature
Inspection should be made weekly and after each rainfall. Check the embankment, spillways, and outlet for erosion damage, and inspect the embankment for piping and settlement. Repair should be made promptly as needed by the contractor.		
Trash and other debris should be removed after each rainfall to prevent clogging of the outlet structure.		
Accumulated silt should be removed and the basin should be re-graded to its original dimensions at such point that the capacity of the impoundment has been reduced to 75% of its original storage capacity.		
The removed sediment should be stockpiled or redistributed in areas that are protected from erosion.		

Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

The following inspection plan has been laid out for each soil stabilization practices:

1. Tree Protection
    a. Tree protection will be installed at the beginning of the project. All tree protection will be inspected on a monthly basis. If the protection is damaged at any point during the construction process it will be replaced with adequate protection.
2. Permanent Vegetation
    a. At the conclusion of construction, all disturbed areas will be re-seeded with permanent grass/vegetation.
    b. 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.

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)(Ii), (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: Jen Henderson, PE

Date: 3/16/2026

Signature of Customer/Agent

Regulated Entity Name: Redemption City Church

Permanent Best Management Practices (BMPs)

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

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

   [ ] N/A

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

   [X] The 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. [X] **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:

    [X] Prepared and certified by the engineer designing the permanent BMPs and measures
    [X] Signed by the owner or responsible party
    [X] Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
    [X] 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.

    [X] 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.

    [X] N/A

Responsibility for Maintenance of Permanent BMP(s)

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

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

    [ ] N/A

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

    [ ] N/A

Attachment B - BMPs for Upgradient Stormwater

No BMPs for upgradient stormwater runoff will be necessary with the proposed development.

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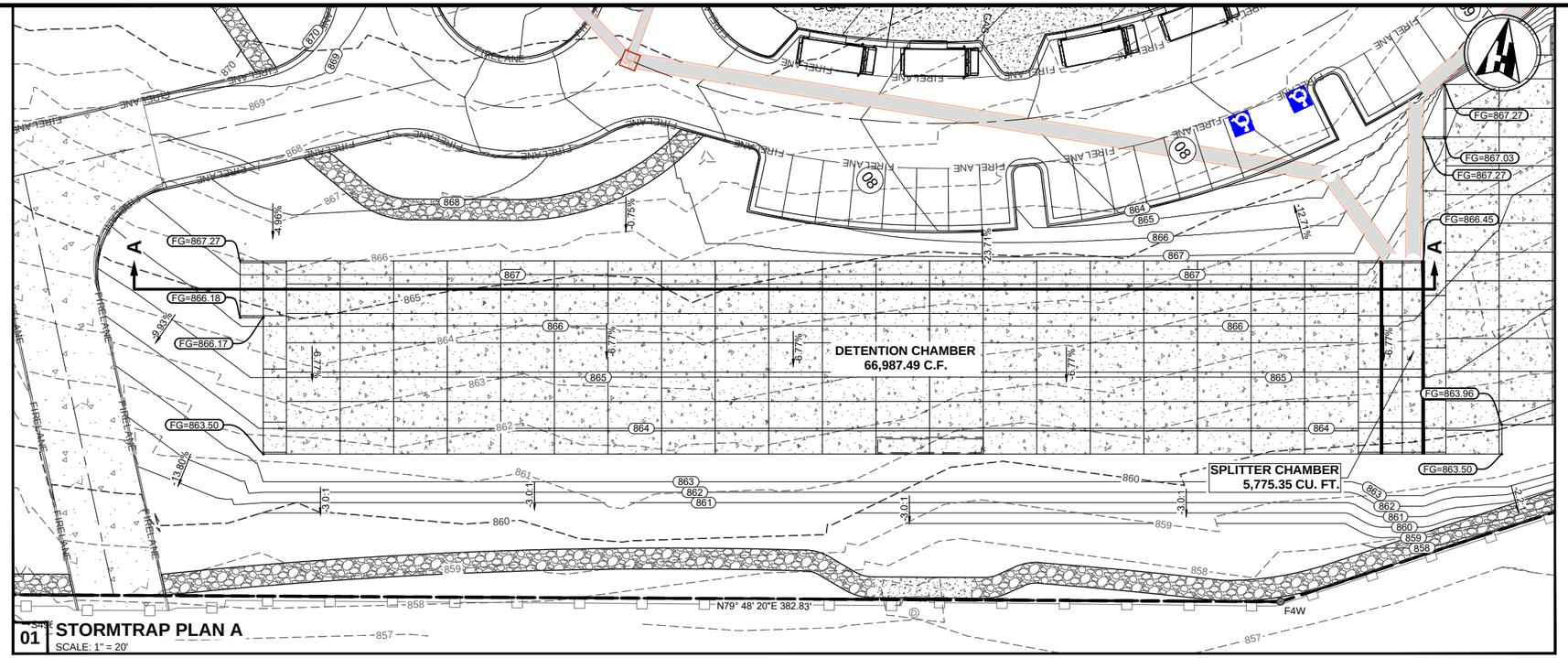
Civil Engineering

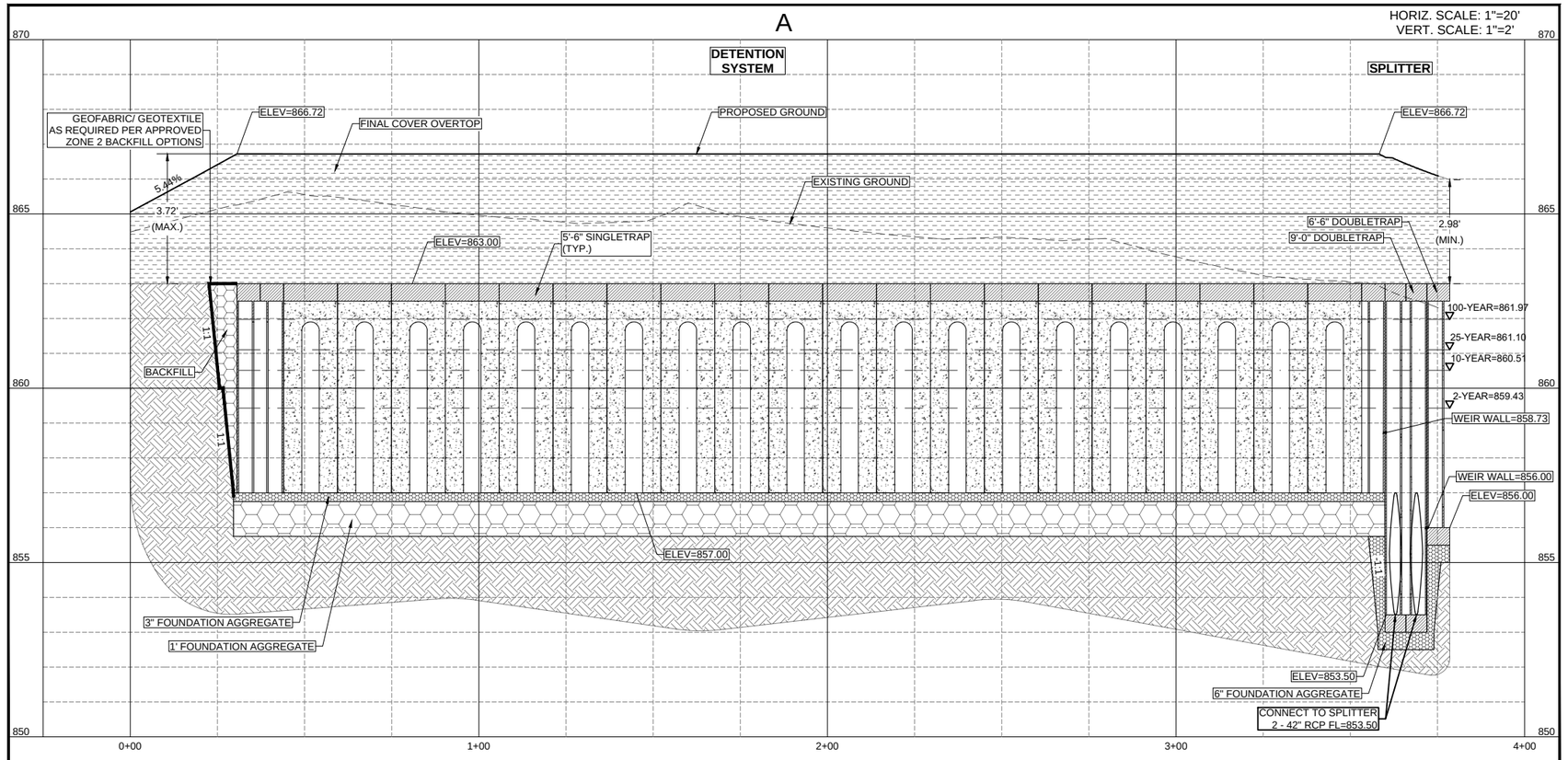
Attachment C - BMPs for On-site Stormwater



SHEET 01 **STORMTRAP PLAN A**
SCALE: 1" = 20'

StormTrap Detention Stage-Storage - Ultimate

.25' Interval Elevation	Storm Event	Storage Volume (cu. ft.)	Storage Volume (acre-ft)	Discharge (cfs)
857		0	-	0
857.25		4035.39	0.093	0
857.50		8070.78	0.185	0
857.75		12106.17	0.278	4.189
858.00		16141.56	0.371	7.225
858.25		20176.96	0.463	9.369
858.50		24212.35	0.556	11.040
858.75		28247.74	0.648	12.527
859.00		32283.13	0.741	13.901
859.25		36318.52	0.834	14.936
859.43	**2-yr**	39224.00	0.900	**15.871**
859.50		40353.91	0.926	16.556
859.75		44389.30	1.019	19.124
860.00		48424.69	1.112	25.973
860.25		52460.09	1.204	33.556
860.50		56495.48	1.297	39.693
860.51	**10-yr**	56673.04	1.301	**39.963**
860.75		60530.87	1.390	48.749
861.00		64566.26	1.482	57.939
861.10	**25-yr**	66148.13	1.519	**61.541**
861.25		68601.65	1.575	70.499
861.50		72637.04	1.668	79.366
861.75		76672.43	1.760	87.321
861.97	**100-yr**	80207.43	1.841	**100.540**
862.00		80707.82	1.853	
862.25		84743.22	1.945	
862.50		88778.61	2.038	



SHEET 02 **STORMTRAP SECTION A**
SCALE: 1" = 20'

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SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

C15.00

COUNTY PROJECT NUMBER: 2025-1563-COC

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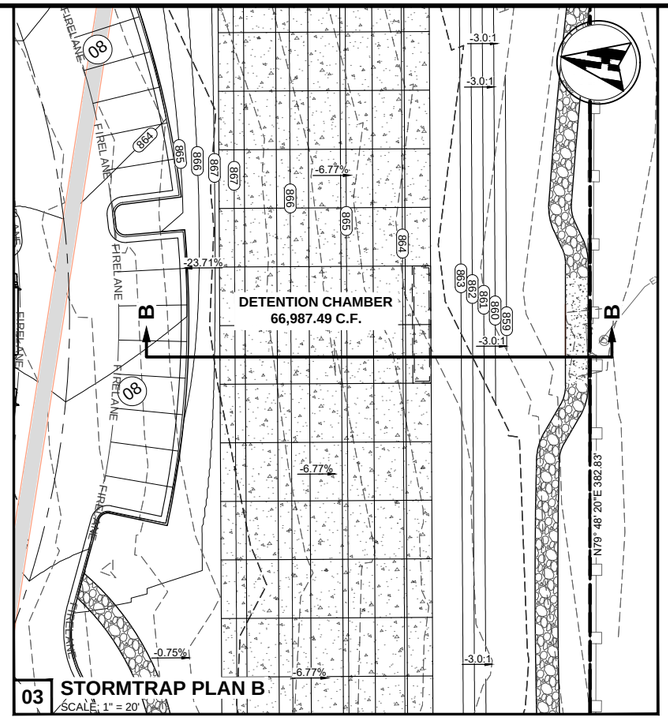
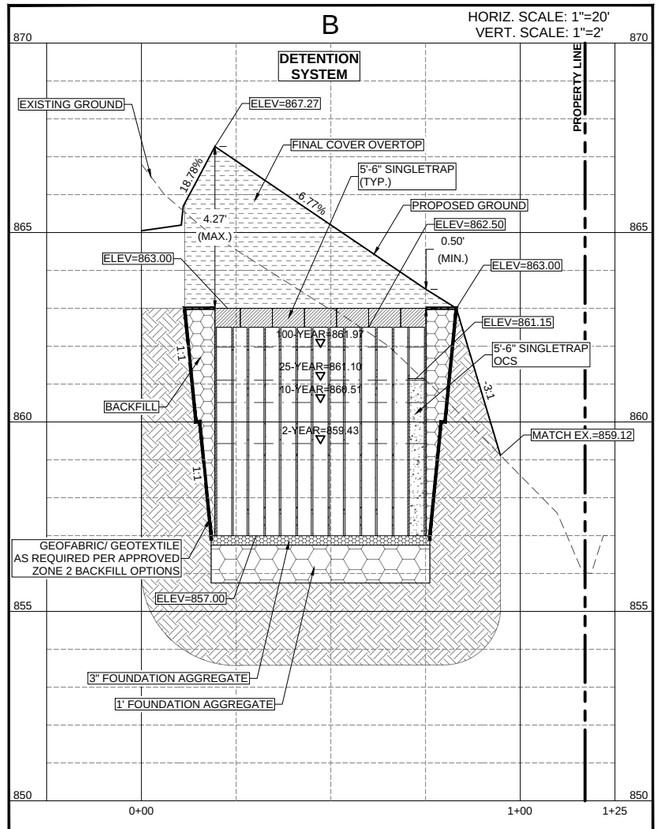


03 STORMTRAP PLAN B
SCALE: 1" = 20'



04 STORMTRAP SECTION B
SCALE: 1" = 20'

StormTrap Detention Stage-Storage - Ultimate

.25' Interval Elevation	Storm Event	Storage Volume (cu. ft.)	Storage Volume (acre-ft)	Discharge (cfs)
857		0	-	0
857.25		4035.39	0.093	0
857.50		8070.78	0.185	0
857.75		12106.17	0.278	4.189
858.00		16141.56	0.371	7.225
858.25		20176.96	0.463	9.369
858.50		24212.35	0.556	11.040
858.75		28247.74	0.648	12.527
859.00		32283.13	0.741	13.901
859.25		36318.52	0.834	14.936
859.43	**2-yr**	39224.00	0.900	**15.871**
859.50		40353.91	0.926	16.556
859.75		44389.30	1.019	19.124
860.00		48424.69	1.112	25.973
860.25		52460.09	1.204	33.556
860.50		56495.48	1.297	39.693
860.51	**10-yr**	56673.04	1.301	**39.963**
860.75		60530.87	1.390	48.749
861.00		64566.26	1.482	57.939
861.10	**25-yr**	66148.13	1.519	**61.541**
861.25		68601.65	1.575	70.499
861.50		72637.04	1.668	79.366
861.75		76672.43	1.760	87.321
861.97	**100-yr**	80207.43	1.841	**100.540**
862.00		80707.82	1.853	
862.25		84743.22	1.945	
862.50		88778.61	2.038	

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SITE DEVELOPMENT PLANS
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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
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APPROVED BY: JH

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COUNTY PROJECT NUMBER: 2025-1563-COC

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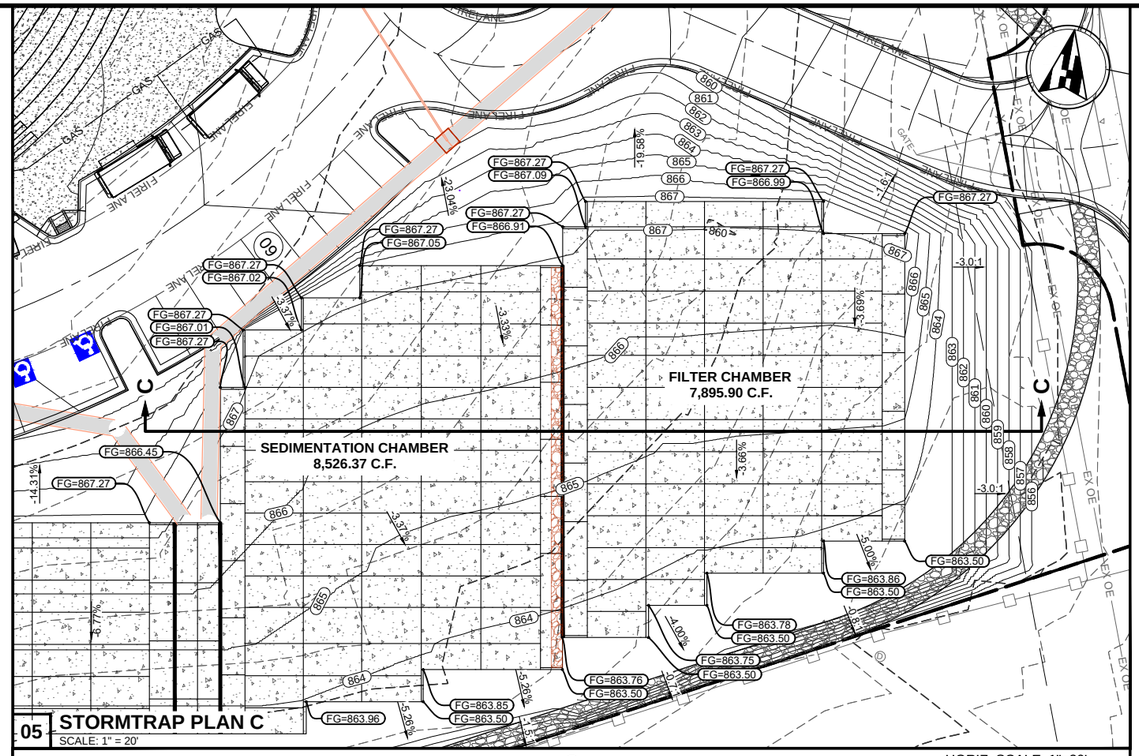
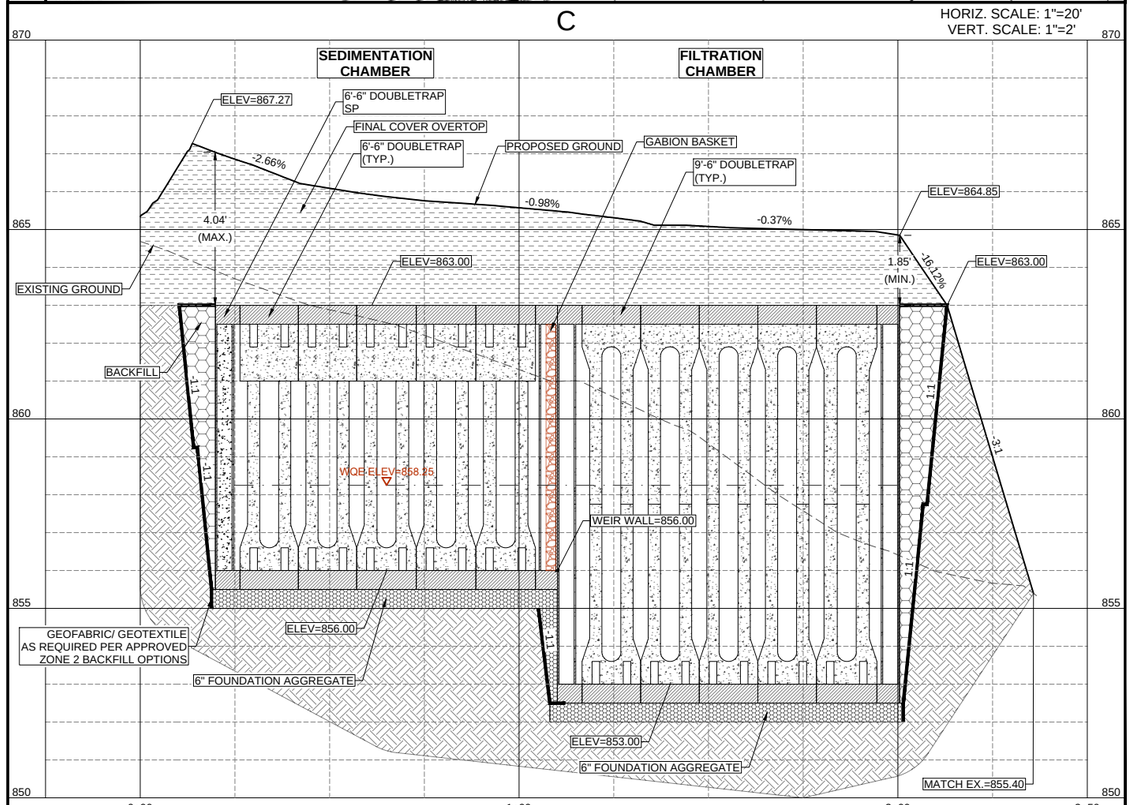


05 **STORMTRAP PLAN C**
SCALE: 1" = 20'



06 **STORMTRAP SECTION C**
SCALE: 1" = 20'

StormTrap Sedimentation Stage-Storage		
.25' Interval Elevation	Note	Sedimentation Volume
856.00		-
856.25		2192.47
856.50		4384.95
856.75		6577.42
857.00		8769.9
857.25		10962.37
857.50		13154.85
857.75		15347.32
858.00		17539.8
858.25	**WQE**	19732.27
858.50		21924.74
858.75		24117.22
859.00		26309.69
859.25		28502.17
859.50		30694.64
859.75		32887.12
860.00		35079.59
860.25		37272.06
860.50		39464.54
860.75		41657.01
861.00		43849.49
861.25		46041.96
861.50		48234.44
861.75		50426.91
862.00		52619.39
862.25		54811.86
862.50		57004.33
Area	**sq. ft.**	**8526.37**

StormTrap Filtration Stage-Storage		
.25' Interval Elevation	Note	Filtration Volume
856.00		-
856.25		2049.12
856.50		4098.25
856.75		6147.37
857.00		8196.5
857.25		10245.62
857.50		12294.75
857.75		14343.87
858.00		16393
858.25	**WQE**	18442.12
858.50		20491.24
858.75		22540.37
859.00		24589.49
859.25		26638.62
859.50		28687.74
859.75		30736.87
860.00		32785.99
860.25		34835.12
860.50		36884.24
860.75		38933.36
861.00		40982.49
861.25		43031.61
861.50		45080.74
861.75		47129.86
862.00		49178.99
862.25		51228.11
862.50		53277.24
Area	**sq. ft.**	**7895.9**

StormTrap Combined Water Quality Stage-Storage			
.25' Interval Elevation	Note	Combined Volume	Note
856.00		-	0
856.25		4241.59	
856.50		8483.2	
856.75		12724.79	
857.00		16966.4	
857.25		21207.99	
857.50		25449.6	
857.75		29691.19	
858.00		33932.8	
858.25	**WQE**	**38174.39**	**WQV**
858.50		42415.98	
858.75		46657.59	
859.00		50899.18	
859.25		55140.79	
859.50		59382.38	
859.75		63623.99	
860.00		67865.58	
860.25		72107.18	
860.50		76348.78	
860.75		80590.37	
861.00		84831.98	
861.25		89073.57	
861.50		93315.18	
861.75		97556.77	
862.00		101798.38	
862.25		106039.97	
862.50		110281.57	

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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
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LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
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CHECKED BY: AR
APPROVED BY: JH

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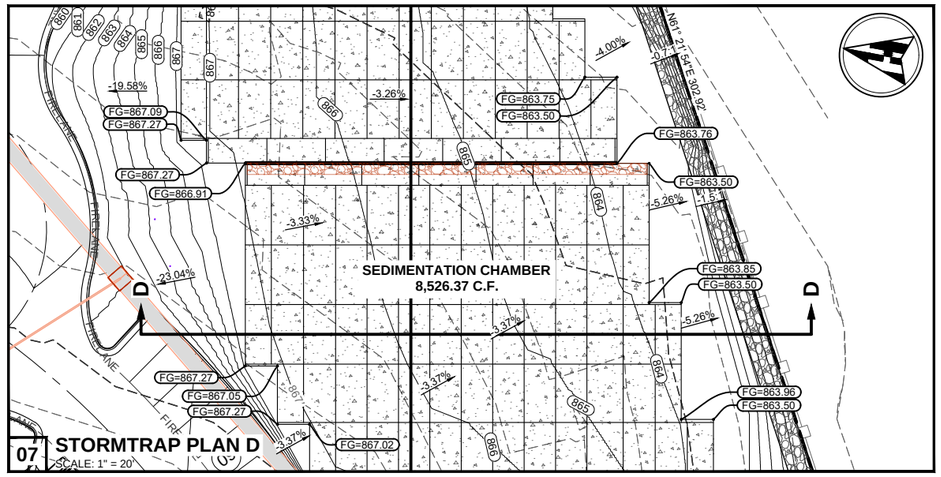
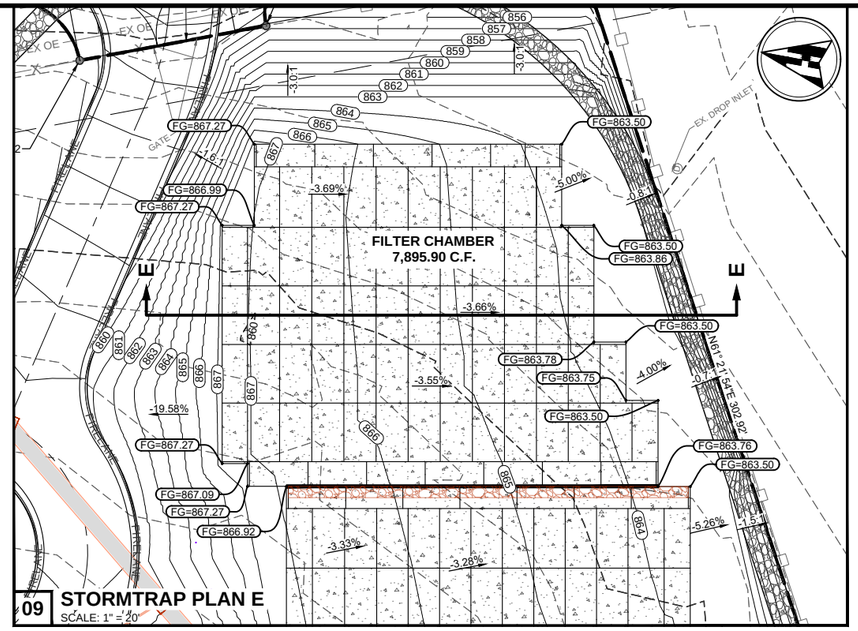


07 **STORMTRAP PLAN D**
SCALE: 1" = 20'



09 **STORMTRAP PLAN E**
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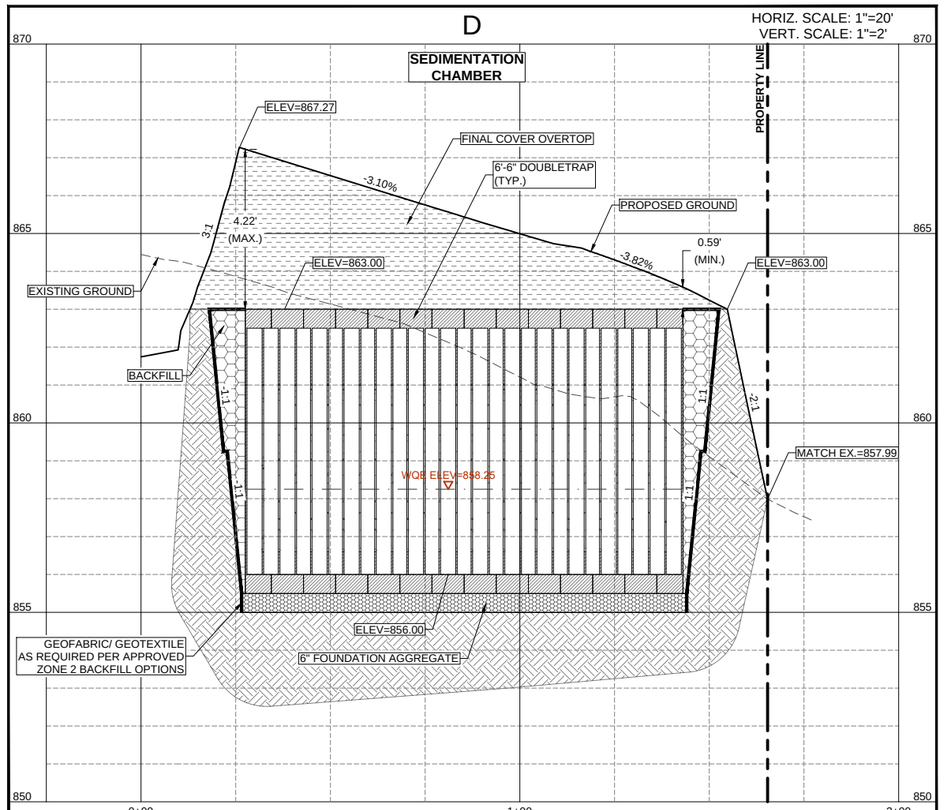
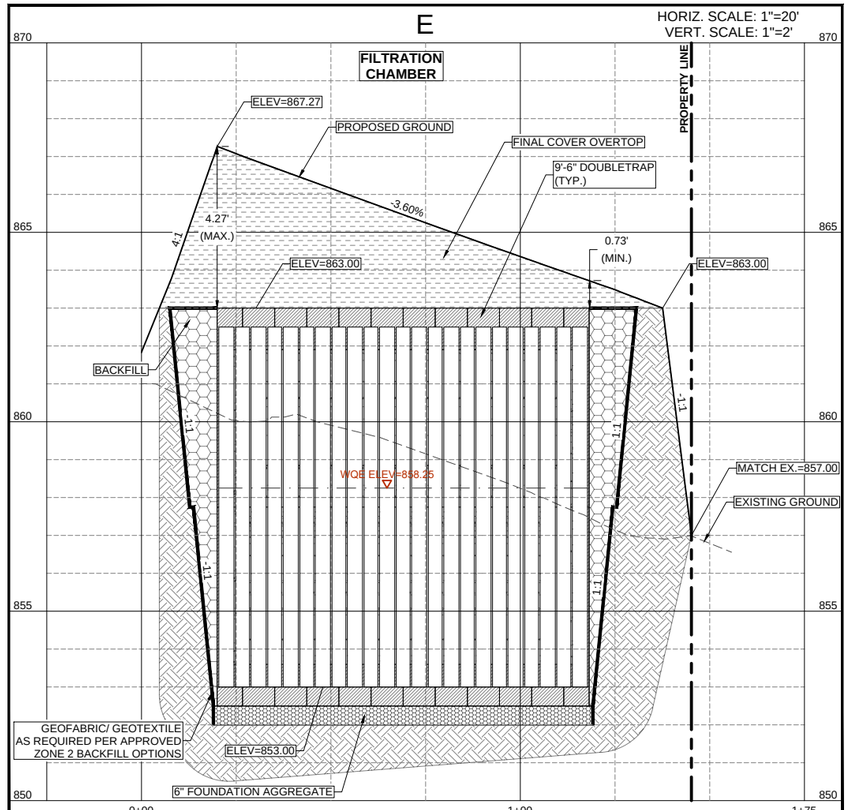


08 **STORMTRAP SECTION D**
SCALE: 1" = 20'



10 **STORMTRAP SECTION E**
SCALE: 1" = 20'

StormTrap Sedimentation Stage-Storage

.25' Interval Elevation	Note	Sedimentation Volume
856.00		-
856.25		2192.47
856.50		4384.95
856.75		6577.42
857.00		8769.9
857.25		10962.37
857.50		13154.85
857.75		15347.32
858.00		17539.8
858.25	**WQE**	19732.27
858.50		21924.74
858.75		24117.22
859.00		26309.69
859.25		28502.17
859.50		30694.64
859.75		32887.12
860.00		35079.59
860.25		37272.06
860.50		39464.54
860.75		41657.01
861.00		43849.49
861.25		46041.96
861.50		48234.44
861.75		50426.91
862.00		52619.39
862.25		54811.86
862.50		57004.33
Area	**sq. ft.**	**8526.37**

StormTrap Filtration Stage-Storage

.25' Interval Elevation	Note	Filtration Volume
856.00		-
856.25		2049.12
856.50		4098.25
856.75		6147.37
857.00		8196.5
857.25		10245.62
857.50		12294.75
857.75		14343.87
858.00		16393
858.25	**WQE**	18442.12
858.50		20491.24
858.75		22540.37
859.00		24589.49
859.25		26638.62
859.50		28687.74
859.75		30736.87
860.00		32785.99
860.25		34835.12
860.50		36884.24
860.75		38933.36
861.00		40982.49
861.25		43031.61
861.50		45080.74
861.75		47129.86
862.00		49178.99
862.25		51228.11
862.50		53277.24
Area	**sq. ft.**	**7895.9**

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03/16/2026

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C15.03

COUNTY PROJECT NUMBER: 2025-1563-COC

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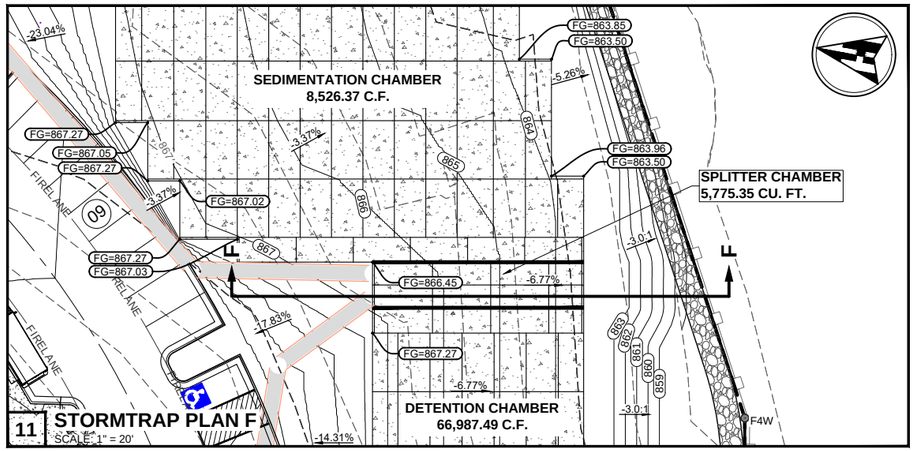
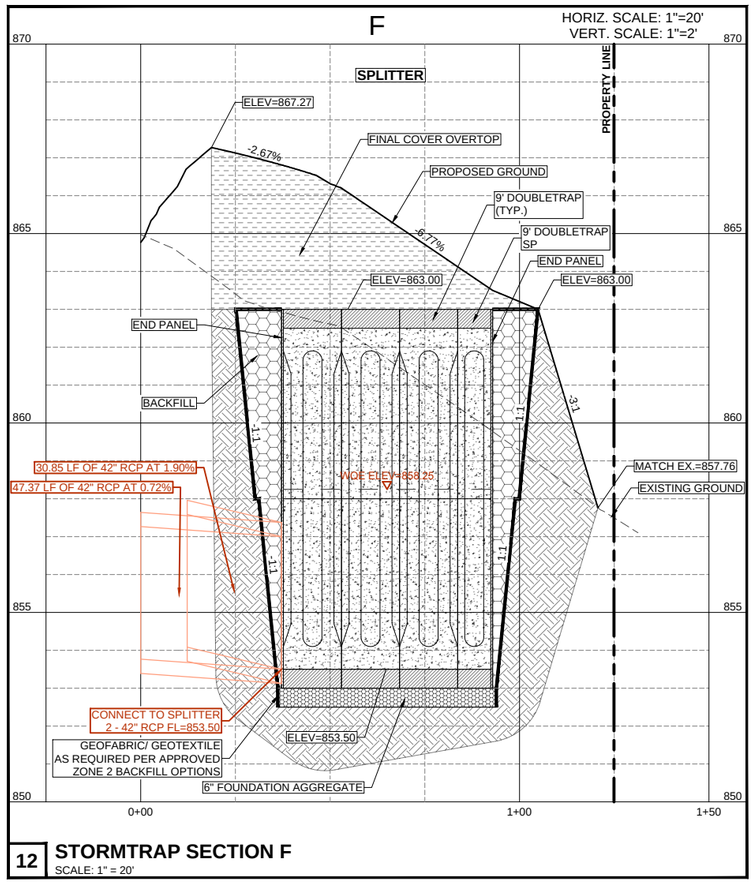


11 **STORMTRAP PLAN F**
SCALE: 1" = 20'



12 **STORMTRAP SECTION F**
SCALE: 1" = 20'

StormTrap Detention Stage-Storage - Ultimate

.25' Interval Elevation	Storm Event	Storage Volume (cu. ft.)	Storage Volume (acre-ft)	Discharge (cfs)
857		0	-	0
857.25		4035.39	0.093	0
857.50		8070.78	0.185	0
857.75		12106.17	0.278	4.189
858.00		16141.56	0.371	7.225
858.25		20176.96	0.463	9.369
858.50		24212.35	0.556	11.040
858.75		28247.74	0.648	12.527
859.00		32283.13	0.741	13.901
859.25		36318.52	0.834	14.936
859.43	**2-yr**	39224.00	0.900	**15.871**
859.50		40353.91	0.926	16.556
859.75		44389.30	1.019	19.124
860.00		48424.69	1.112	25.973
860.25		52460.09	1.204	33.556
860.50		56495.48	1.297	39.693
860.51	**10-yr**	56673.04	1.301	**39.963**
860.75		60530.87	1.390	48.749
861.00		64566.26	1.482	57.939
861.10	**25-yr**	66148.13	1.519	**61.541**
861.25		68601.65	1.575	70.499
861.50		72637.04	1.668	79.366
861.75		76672.43	1.760	87.321
861.97	**100-yr**	80207.43	1.841	**100.540**
862.00		80707.82	1.853	
862.25		84743.22	1.945	
862.50		88778.61	2.038	

StormTrap Sedimentation Stage-Storage

.25' Interval Elevation	Note	Sedimentation Volume
856.00		-
856.25		2192.47
856.50		4384.95
856.75		6577.42
857.00		8769.9
857.25		10962.37
857.50		13154.85
857.75		15347.32
858.00		17539.8
858.25	**WQE**	19732.27
858.50		21924.74
858.75		24117.22
859.00		26309.69
859.25		28502.17
859.50		30694.64
859.75		32887.12
860.00		35079.59
860.25		37272.06
860.50		39464.54
860.75		41657.01
861.00		43849.49
861.25		46041.96
861.50		48234.44
861.75		50426.91
862.00		52619.39
862.25		54811.86
862.50		57004.33
Area	**sq. ft.**	**8526.37**

StormTrap Combined Water Quality Stage-Storage

.25' Interval Elevation	Note	Combined Volume	Note
856.00		-	0
856.25		4241.59	
856.50		8483.2	
856.75		12724.79	
857.00		16966.4	
857.25		21207.99	
857.50		25449.6	
857.75		29691.19	
858.00		33932.8	
858.25	**WQE**	**38174.39**	**WQV**
858.50		42415.98	
858.75		46657.59	
859.00		50899.18	
859.25		55140.79	
859.50		59382.38	
859.75		63623.99	
860.00		67865.58	
860.25		72107.18	
860.50		76348.78	
860.75		80590.37	
861.00		84831.98	
861.25		89073.57	
861.50		93315.18	
861.75		97556.77	
862.00		101798.38	
862.25		106039.97	
862.50		110281.57	

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ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
Civil Engineering
WBE210166 | HUB 1853873845300

No.	REVISION
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C15.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STORMTRAP PLAN AND SECTION 2.dwg

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: Redemption City Church
Date Prepared: 10/6/2025

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

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

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

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

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

County =	Williamson	
Total project area included in plan * =	12.64	acres
Predevelopment impervious area within the limits of the plan * =	0.13	acres
Total post-development impervious area within the limits of the plan* =	7.58	acres
Total post-development impervious cover fraction * =	0.60	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	6491	lbs.

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

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

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

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	12.64	acres
Predevelopment impervious area within drainage basin/outfall area =	0.13	acres
Post-development impervious area within drainage basin/outfall area =	7.58	acres
Post-development impervious fraction within drainage basin/outfall area =	0.60	
$L_{M\ THIS\ BASIN}$ =	6491	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter
Removal efficiency = 89 percent

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

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

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

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

A_C =	12.64	acres
A_I =	7.58	acres
A_P =	5.06	acres
L_R =	7551	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = 6491 lbs.

F = 0.86

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

Rainfall Depth =	1.38	inches
Post Development Runoff Coefficient =	0.42	
On-site Water Quality Volume =	26614	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 =	5323	
Total Capture Volume (required water quality volume(s) x 1.20) =	31937	cubic feet

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

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	31937	cubic feet	
Minimum filter basin area =	1479	square feet	
Maximum sedimentation basin area =	13307	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	3327	square feet	For maximum water depth of 8 feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	31937	cubic feet	
Minimum filter basin area =	2661	square feet	
Maximum sedimentation basin area =	10646	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	665	square feet	For maximum water depth of 8 feet

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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

WATER QUALITY POND CALCULATIONS

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C15.05

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STORMTRAP PLAN AND SECTION 2.dwg

HPE
Civil Engineering

Attachment F - Construction Plan

REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS WCSR 2025

WILLIAMSON COUNTY ENGINEER DATE

AUSTIN WATER DATE

AUSTIN WATER FACILITY ENGINEERING DATE

AUSTIN ENERGY DATE

SAM BASS FIRE DEPARTMENT \ WILLIAMSON COUNTY ESD 2 DATE

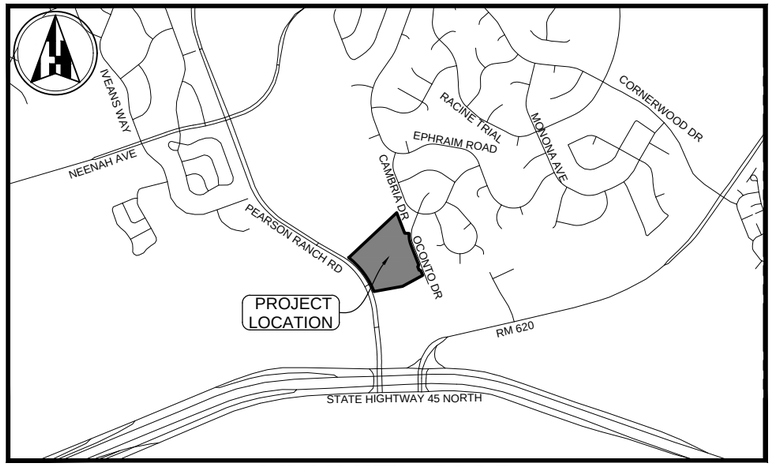
ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN ACCEPTING THESE PLANS, WILLIAMSON COUNTY MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

SITE DEVELOPMENT PLANS

TO SERVE

REDEMPTION CITY CHURCH

7601 PEARSON RANCH RD
AUSTIN, TX 78717



VICINITY MAP

SCALE: 1"=1,000'

PROJECT DATA	
LEGAL DESCRIPTION:	AW0552 AW0552 - SHELTON, J. SUR., ACRES 12.526; AW0169 AW0169 - DAVY, T.P. SUR., TRACT 2 PT, ACRES 0.116, AW0552 SHELTON J SUR
LOT ACREAGE:	12.642 ACRES
COC PERMIT NUMBER:	2025-1563-COC
ASSOCIATED PERMIT NUMBERS	2025-1612-DP, 2025-150954 SP (CoA), SP-2025-0386.ETJX.CC (CoA), SAM BASS FIRE-0000097
BENCHMARKS:	BM1: A CHISELED "[X]" ON THE TOP OF CURB AT THE NORTH NORTHEAST CURB RETURN OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD AND LYING APPROXIMATELY 160 FEET NORTH AND 50 FEET WEST OF THE SOUTHWEST CORNER OF THE TRACT OF LAND DESCRIBED ABOVE. ELEVATION: 864.77 BM2: A CHISELED "[X]" ON THE TOP OF CURB ON THE EAST SIDE OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD AND LYING APPROXIMATELY 50 FEET WEST OF THE NORTHWEST CORNER OF THE TRACT OF LAND DESCRIBED ABOVE. ELEVATION: 880.41 BM3: A BRASS DISC, MARKED "TX RPLS 4967", SET IN THE TOP OF CURB ON THE WEST SIDE OF ONCONTO DRIVE APPROXIMATELY 10 FEET EAST OF THE MOST EASTERLY NORTHEAST CORNER OF THE TRACT OF LAND DESCRIBED ABOVE. ELEVATION: 871.46
PROPOSED USE:	PLACE OF WORSHIP AND COMMUNITY CENTER
ZONING DISTRICT:	UNZONED - RELEASED FROM COA ETJ ON 11/14/2024

IMPERVIOUS COVER TABLE		
EXISTING IMPERVIOUS COVER	5,500 S.F.	1.00%
NEW IMPERVIOUS COVER	296,692 S.F.	53.88%
TOTAL IMPERVIOUS COVER	302,192 S.F.	54.88%

UTILITY PROVIDERS	
WATER	CITY OF AUSTIN
WASTEWATER	CITY OF AUSTIN
ELECTRIC	ONCOR 350 TEXAS AVE. ROUND ROCK, TEXAS 78665 888.313.6862
GAS	ATMOS ENERGY 800.460.3030

PROJECT TEAM	
OWNER/DEVELOPER:	REDEMPTION CITY CHURCH 3412 PINE NEEDLE CIR ROUND ROCK, TEXAS 78681 BILL MUENCH, LEAD PASTOR PHONE 512.560.3580 EMAIL BMUENCH@REDEMPTIONCITY.CHURCH
ARCHITECT:	MOD ARCHITECTURE 409 W. MAIN STREET, SUITE 201 ROUND ROCK, TEXAS 78681 ROBERT DONAHUE, RA, NCARB, LEED AP PHONE 512.922.6846 EMAIL ROBERT@MOD-ARCHITECTURE.COM
ENGINEER:	HENDERSON PROFESSIONAL ENGINEERS FIRM # F-22208 600 ROUND ROCK WEST DRIVE, SUITE 604 ROUND ROCK, TEXAS 78681 JENNIFER L. HENDERSON, P.E. PHONE 512.350.6228 EMAIL JEN@HENDERSONPE.COM

NOTES:
1. NO PORTION OF THE PROJECT SITE IS WITHIN A FLOOD HAZARD AREA AS DELINEATED ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48491C0630F FOR WILLIAMSON COUNTY, TEXAS AND INCORPORATED AREAS, EFFECTIVE DATE DECEMBER 20, 2019.
2. THIS PROJECT WILL PROVIDE ON-SITE DETENTION.
3. THIS SITE IS OVER THE EDWARDS AQUIFER RECHARGE ZONE.
4. THE MINIMUM FFE SHALL BE AT LEAST ONE FOOT ABOVE THE ADJACENT FINISHED GRADE AND BFE. EXCEPTIONS CAN BE MADE AT ENTRANCE AND EGRESS POINTS, WHERE NECESSARY, TO MEET THE AMERICANS WITH DISABILITIES ACT (ADA). RECREATIONAL VEHICHLE PARKING PADS MUST ALSO BE PLACED AT LEAST ONE FOOT ABOVE BFE.
5. THE CONTRACTOR SHALL OBTAIN A "NOTICE OF PROPOSED INSTALLATION OF UTILITY LINE" PERMIT FROM WILLIAMSON COUNTY FOR ANY WORK PERFORMED IN THE EXISTING COUNTY RIGHT-OF-WAY (DRIVEWAY APRON, WATER MAIN TIE-IN, ETC.) THIS PERMIT APPLICATION WILL REQUIRE A LIABILITY AGREEMENT, A CONSTRUCTION COST ESTIMATE FOR WORK WITHIN THE RIGHT-OF-WAY INCLUDING PAVEMENT REPAIR (IF NEEDED), A PERFORMANCE BOND, CONSTRUCTION PLANS AND, IF NECESSARY, A TRAFFIC CONTROL PLAN. AN INSPECTION FEE, AND A PRE-CONSTRUCTION MEETING MAY ALSO BE REQUIRED, DEPENDING ON THE SCOPE OF WORK. THE PERMIT WILL BE REVIEWED AND APPROVED BY THE COUNTY ENGINEER, AND MUST ALSO BE APPROVED BY THE WILLIAMSON COUNTY COMMISSIONERS COURT IF ANY ROAD CLOSURE IS INVOLVED.

GENERAL INFORMATION

BUILDING SUMMARY (# OF BLDGS)	PROPOSED USE	PHASE	FLOOR AREA (BLDG S.F.)	# OF STORIES/ BUILDING HEIGHT	USE & OCCUPANCY CLASSIFICATION (PER IBC)	TYPE OF CONSTRUCTION (PER IBC)	IF APPLICABLE TYPE OF AUTOMATIC FIRE SPRINKLER SYSTEM (NFPA 13R OR NFPA 13)
BUILDING #1	PAVILION + SOCIAL AREA	I	5,270	2 STORIES/ 35'-0"	A-3	II-B	NFPA 13
BUILDING #2	EDUCATION CENTER	II	10,605	2 STORIES/ 30'-0"	E	II-B	NFPA 13
BUILDING #3	COFFEE SHOP	III	4,525	2 STORIES/ 30'-0"	A-2	II-B	NFPA 13
BUILDING #4	BUSINESS CENTER	IV	9,350	3 STORIES/ 45'-0"	B	II-B	NFPA 13
BUILDING #5	WORSHIP	V	13,500	1 STORY/ 30'-0"	A-3	II-B	NFPA 13
BUILDING #6	GYM	VI	8,338	2 STORIES/ 30'-0"	A-3	II-B	NFPA 13

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811 Know what's below. Call before you dig.

SHEET INDEX		SHEET INDEX	
NUMBER	SHEET TITLE	NUMBER	SHEET TITLE
C00.00	COVER SHEET	C16.00A	PHASE 1 STORM SEWER PLAN
C01.00	GENERAL NOTES	C16.01	STORM SEWER PLAN AND PROFILES
C01.01	GENERAL NOTES	C16.02	STORM SEWER PLAN AND PROFILES
C01.02	AUSTIN WATER UTILITY NOTES	C16.03	STORM SEWER PLAN AND PROFILES
C01.03	AUSTIN WATER UTILITY NOTES	C16.04	STORM SEWER PLAN AND PROFILES
C01.04	LEGEND AND ABBREVIATIONS	C16.05	STORM SEWER PLAN AND PROFILES
C02.01	PLAT	C16.06	STORM SEWER PLAN AND PROFILES
C02.02	PLAT	C17.00	OVERALL UTILITY SCHEMATIC PLAN
C02.03	PLAT	C17.01	UTILITY SCHEMATIC PLAN
C02.04	PLAT	C17.02	UTILITY SCHEMATIC PLAN
C02.05	PLAT	C17.03	UTILITY SCHEMATIC PLAN
C03.00	PHASING PLAN	C17.04	UTILITY SCHEMATIC PLAN
C04.00	OVERALL SITE PLAN	C17.05	UTILITY SCHEMATIC PLAN
C04.01	SITE PLAN	C17.06	UTILITY SCHEMATIC PLAN
C04.02	SITE PLAN	C18.00	WATER PLAN AND PROFILE
C04.03	SITE PLAN	C18.01	WATER PLAN AND PROFILE
C04.04	SITE PLAN	C18.02	WATER PLAN AND PROFILE
C04.05	SITE PLAN	C18.03	WATER PLAN AND PROFILES
C04.06	SITE PLAN	C18.04	WATER PLAN AND PROFILES
C05.01	DIMENSIONAL CONTROL PLAN	C18.05	WATER PLAN AND PROFILES
C05.02	DIMENSIONAL CONTROL PLAN	C19.00	FIRELINE 'A-1' PLAN AND PROFILE
C05.03	DIMENSIONAL CONTROL PLAN	C19.01	FIRELINE 'A-2' PLAN AND PROFILE
C05.04	DIMENSIONAL CONTROL PLAN	C19.02	FIRELINE 'A-3' PLAN AND PROFILE
C05.05	DIMENSIONAL CONTROL PLAN	C19.03	FIRELINE 'A-4' PLAN AND PROFILE
C05.06	DIMENSIONAL CONTROL PLAN	C19.04	FIRELINE 'B-1' & 'B-2' PLAN AND PROFILES
C05.07	VEHICLE SWEPT PATH ANALYSIS	C19.05	FIRE HYDRANT PLAN AND PROFILES
C05.08	VEHICLE SWEPT PATH ANALYSIS	C19.06	FIRE HYDRANT PLAN AND PROFILES
C06.00	EXISTING CONDITIONS PLAN	C20.00	WASTEWATER PLAN AND PROFILES
C07.00	DEMOLITION PLAN	C20.01	WASTEWATER PLAN AND PROFILES
C08.00	EROSION AND SEDIMENTATION CONTROL PLAN	C20.02	WASTEWATER PLAN AND PROFILES
C09.00	TREE PRESERVATION PLAN	C20.03	WASTEWATER PLAN AND PROFILES
C09.01	TREE PRESERVATION TABLE	C21.01	PAVING AND STRIPING PLAN
C10.00	SLOPE MAP EXHIBIT	C21.02	PAVING AND STRIPING PLAN
C11.00	CUT AND FILL EXHIBIT	C21.03	PAVING AND STRIPING PLAN
C12.01	GRADING PLAN	C21.04	PAVING AND STRIPING PLAN
C12.02	GRADING PLAN	C21.05	PAVING AND STRIPING PLAN
C12.03	GRADING PLAN	C21.06	PAVING AND STRIPING PLAN
C12.04	GRADING PLAN	C22.00	FIRE PROTECTION PLAN
C12.05	GRADING PLAN	C23.00	STANDARD DETAILS - FIRE PROTECTION
C12.06	GRADING PLAN	C23.01	STANDARD DETAILS - ESC
C13.00	PRE-DEVELOPMENT DRAINAGE AREA MAP	C23.02	STANDARD DETAILS - WATER
C14.00	POST-DEVELOPMENT DRAINAGE AREA MAP	C23.03	STANDARD DETAILS - WATER CROSSING
C14.01	PHASE 1 POST-DEVELOPMENT DRAINAGE AREA MAP	C23.04	STANDARD DETAILS - WASTERWATER
C15.00	STORMTRAP PLAN AND SECTION	C23.05	STANDARD DETAILS - PAVING
C15.01	STORMTRAP PLAN AND SECTION	C23.06	STANDARD DETAILS - PAVING
C15.02	STORMTRAP PLAN AND SECTION	C23.07	STANDARD DETAILS - STORM
C15.03	STORMTRAP PLAN AND SECTION	C24.00	WATER QUALITY BASIN DETAIL
C15.04	STORMTRAP PLAN AND SECTION	C25.00	SPLITTER BOX DETAIL
C15.05	WATER QUALITY POND CALCULATIONS	C26.00	WROUGHT IRON FENCE DETAILS
C16.00	OVERALL STORM SEWER PLAN	C27.00	TRAFFIC CONTROL DETAILS

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PLAN SUBMITTALS		
NO.	DATE	DESCRIPTION
1	10/30/2025	SUBMIT TO WILLIAMSON COUNTY
2		RESUBMIT TO WILLIAMSON COUNTY
3		
4		
5		

REVISIONS

NO.	DESCRIPTION	REVISE (R) CORRECT (C) ADD (A) VOID (V) SHEET NO'S	NET CHANGE IMPERVIOUS COVER (SQ.FT.)/%	TOTAL IMPERVIOUS COVER (SQ.FT.)/%	DESIGN ENGINEER SIGNATURE	CITY OF AUSTIN APPROVAL	APPROVAL DATE

SHEET C00.00

Henderson Professional Engineers
HPE Civil Engineering
600 ROUND ROCK WEST DRIVE, SUITE 604
ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
WBE210166 | HUB 1853873845300

COUNTY PROJECT NUMBER: 2025-1563-COC

WILLIAMSON COUNTY GENERAL NOTES

CONSTRUCTION - GENERAL

1. A PRECONSTRUCTION MEETING SHALL BE SCHEDULED PRIOR TO THE START OF CONSTRUCTION. THE DESIGN ENGINEER, OWNER, CONTRACTOR, SUBCONTRACTORS, AND COUNTY ENGINEER SHALL ATTEND THIS MEETING. ALL ROADS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AS APPROVED BY THE COUNTY ENGINEER AND IN ACCORDANCE WITH THE SPECIFICATIONS FOUND IN THE CURRENT VERSION OF THE "TEXAS DEPARTMENT OF TRANSPORTATION MANUAL STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS, AND BRIDGES" UNLESS OTHERWISE STATED ON THE CONSTRUCTION DOCUMENTS APPROVED BY THE COUNTY ENGINEER.

2. ALL MATERIALS SHALL BE SAMPLED AND TESTED BY AN INDEPENDENT TESTING LABORATORY IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE COUNTY ENGINEER. THE OWNER SHALL PAY FOR ALL TESTING SERVICES AND SHALL FURNISH THE COUNTY ENGINEER WITH CERTIFIED COPIES OF THESE TEST RESULTS. THE COUNTY ENGINEER MUST APPROVE THE TEST RESULTS PRIOR TO CONSTRUCTING THE NEXT COURSE OF THE ROADWAY STRUCTURE. ANY MATERIAL WHICH DOES NOT MEET THE MINIMUM REQUIRED TEST SPECIFICATIONS SHALL BE REMOVED AND RECOMPACTED OR REPLACED UNLESS ALTERNATIVE REMEDIAL ACTION IS APPROVED IN WRITING FROM THE COUNTY ENGINEER.

3. EXCEPT FOR ELECTRICAL LINES, ALL UNDERGROUND NONFERROUS UTILITIES WITHIN A RIGHT-OF-WAY OR EASEMENT MUST BE ACCOMPANIED BY FERROUS METAL LINES TO AID IN TRACING THE LOCATION OF SAID UTILITIES THROUGH THE USE OF A METAL DETECTOR.

4. ALL PAVEMENTS ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. THE DESIGN SHALL BE BASED ON A 20-YEAR DESIGN LIFE AND IN CONJUNCTION WITH RECOMMENDATIONS BASED UPON A SOILS REPORT OF SAMPLES TAKEN ALONG THE PROPOSED ROADWAYS. TEST BORINGS SHALL BE PLACED AT A MAXIMUM SPACING OF 500 FEET OR OTHER SAMPLING FREQUENCY APPROVED BY THE COUNTY ENGINEER BASED ON RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER. BORINGS SHALL BE TO A DEPTH OF TEN FT OR, IF SOLID ROCK IS ENCOUNTERED, ONE FT BELOW NON-FRACTURED ROCK. THE SOILS REPORT AND PAVEMENT DESIGN WILLIAMSON COUNTY, TEXAS - SUBDIVISION REGULATIONS PAGE 38 SHALL BE SUBMITTED TO THE COUNTY ENGINEER FOR REVIEW. THE PAVEMENT DESIGN MUST BE APPROVED BY THE COUNTY ENGINEER PRIOR TO OR CONCURRENTLY WITH THE REVIEW AND APPROVAL OF THE CONSTRUCTION PLANS. IN ADDITION TO THE BASIS OF THE PAVEMENT DESIGN, THE SOILS REPORT SHALL CONTAIN THE RESULTS OF SAMPLED AND TESTED SUBGRADE FOR PLASTICITY INDEX.

SUBGRADE

1. THE PREPARATION OF THE SUBGRADE SHALL FOLLOW GOOD ENGINEERING PRACTICES AS DIRECTED BY THE COUNTY ENGINEER IN CONJUNCTION WITH RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT. WHEN THE PLASTICITY INDEX (PI) IS GREATER THAN 20, A SUFFICIENT AMOUNT OF LIME SHALL BE ADDED AS DESCRIBED IN ITEM 260 OF THE CURRENT EDITION OF THE TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION UNTIL THE PI IS LESS THAN 20. IF THE ADDITION OF LIME AS DESCRIBED IN ITEM 260 IS NOT FEASIBLE, AN ALTERNATE STABILIZING DESIGN SHALL BE PROPOSED AND SUBMITTED TO THE COUNTY ENGINEER FOR APPROVAL. THE SUBGRADE SHALL BE PREPARED AND COMPACTED TO ACHIEVE A DRY DENSITY PER TXDOT ITEM 132. IN ADDITION, PROOF ROLLING MAY BE REQUIRED BY THE COUNTY ENGINEER.

2. IF LIME IS NECESSARY, THEN A SUFFICIENT AMOUNT OF LIME SHALL BE ADDED, AS DESCRIBED IN ITEM 260 OF THE CURRENT EDITION OF THE TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION TO PROPERLY STABILIZE SUBGRADE. THE USE OF HYDRATED LIME OR LIME SLURRY IS APPROVED; HOWEVER, THE USE OF PELLETIZED LIME IS NOT APPROVED.

3. PRIOR TO LIME STABILIZATION, A SULFATE TEST OF IN SITU SOILS SHALL BE PERFORMED BY DEVELOPER TO CONFIRM THE APPROPRIATE MEANS AND METHODS OF STABILIZATION. PROVIDE SULFATE TEST TO COUNTY ENGINEER PRIOR TO STABILIZATION.

4. ANY VARIATION TO THE COUNTY'S STABILIZATION REQUIREMENTS MUST BE APPROVED BY THE COUNTY ENGINEER.

5. THE SUBGRADE SHALL BE PREPARED AND COMPACTED TO ACHIEVE A DRY DENSITY PER TXDOT ITEM 132. IN ADDITION, PROOF ROLLING MAY BE REQUIRED BY THE COUNTY ENGINEER.

6. THE SUBGRADE SHALL BE INSPECTED AND APPROVED BY AN INDEPENDENT TESTING LABORATORY AND A CERTIFIED COPY OF ALL INSPECTION REPORTS FURNISHED TO THE COUNTY ENGINEER. THE COUNTY ENGINEER MUST APPROVE THE REPORT PRIOR TO APPLICATION OF THE BASE MATERIAL. ALL DENSITY TEST REPORTS SHALL INCLUDE A COPY OF THE WORK SHEET SHOWING THE PERCENTAGE OF THE MAXIMUM DRY (PROCTOR) DENSITY. THE NUMBER AND LOCATION OF ALL SUBGRADE TESTS SHALL BE DETERMINED BY THE COUNTY ENGINEER.

BASE MATERIAL

1. BASE MATERIAL SHALL CONFORM TO ITEM 247 OF THE CURRENT EDITION OF THE TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, "FLEXIBLE BASE". THE BASE MATERIAL SHALL BE TYPE A GRADE 4, OR AS APPROVED BY THE COUNTY ENGINEER. GRADE 4 MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF TABLE B6.1 BELOW:

   TABLE B6.1: GRADATION SPECIFICATION FOR TY A, GRADE 4

MASTER GRADATION SIEVE SIZE	CUMULATIVE % RETAINED
2 ½"	-
1 ¾"	0
7/8"	10% - 35%
3/8"	30% - 65%
#4	45% - 75%
#40	70% - 90%
#200	87% - 95%

2. EACH LAYER OF BASE COURSE SHALL BE TESTED FOR IN-PLACE DRY DENSITY AND MEASURED FOR COMPACTED THICKNESS. THE NUMBER AND LOCATION OF ALL BASE TEST SAMPLES SHALL BE DETERMINED BY THE COUNTY ENGINEER.

3. THE BASE SHALL BE PREPARED AND COMPACTED TO ACHIEVE A MINIMUM OF 100% OF THE MAXIMUM (PROCTOR) DRY DENSITY OR AS APPROVED BY THE COUNTY ENGINEER UPON RECOMMENDATION BY THE TESTING LABORATORY. THE MAXIMUM LIFT SHALL NOT EXCEED SIX INCHES. THE BASE MUST BE INSPECTED AND APPROVED BY AN INDEPENDENT TESTING LABORATORY AND A CERTIFIED COPY OF THE TEST RESULTS FURNISHED TO THE COUNTY ENGINEER FOR APPROVAL. PRIOR TO THE PLACEMENT OF THE FIRST LIFT OF BASE, THE STOCKPILE SHALL BE TESTED FOR THE SPECIFICATIONS FOUND IN ITEM 247 TABLE 1 AND THE RESULT FURNISHED TO THE COUNTY ENGINEER FOR APPROVAL.

BITUMINOUS PAVEMENT

1. URBAN ROADS REQUIRE A MINIMUM 2 INCH WEARING SURFACE OF HMAC TYPE D. THE MIX SHALL BE FROM A TXDOT CERTIFIED PLANT AND THE MIX DESIGN SHALL BE SUBMITTED TO THE COUNTY ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF THE MATERIAL.

2. IF PROVIDING MIXTURE TYPE C OR D, USE PERFORMANCE GRADE (PG) BINDER 70-22. PROVIDE PG BINDER THAT DOES NOT CONTAIN RECYCLED ENGINE OIL BOTTOMS (REOBS) OR POLY PHOSPHORIC ACID (PPA). RECYCLED ASPHALT PAVEMENT (RAP) IS NOT PERMITTED FOR USE AS A COMPONENT OF THE HMACP. THE CONTRACTOR IS ALSO NOT PERMITTED THE USE RECYCLED ASPHALT SHINGLES (RAS) AS A COMPONENT OF THE HMACP.

3. IF PROVIDING MIXTURE TYPE B, USE PG BINDER 64-22. PROVIDE PG BINDERS THAT DO NOT CONTAIN REOBS OR PPA. FOR SUBSURFACE COURSE TYPE B, THE USE OF TWENTY PERCENT (20%) RAP IS PERMITTED IN THE MIX DESIGN. THE CONTRACTOR IS NOT PERMITTED TO USE RAS AS A COMPONENT OF THE HMACP.

4. TARGET LABORATORY MOLDED DENSITY IS 96.5% FOR ALL MIXTURES WITHOUT RAP AND WHEN USING A TEXAS GYRATORY COMPACTOR (TGC) FOR DESIGNING THE MIXTURE. WHEN USING SUPERPAVE GYRATORY COMPACTOR (SGC) TO DESIGN MIXTURES, SUBMIT THE SGC MIX DESIGN TO THE ENGINEER FOR APPROVAL.

5. ALL MIXTURES MUST MEET THE HAMBURG REQUIREMENT AS STATED IN THE TABLE BELOW.

HIGH-TEMPERATURE BINDER GRADE	TEST METHOD	HAMBURG WHEEL TEST REQUIREMENTS*
		MINIMUM # OF PASSES @ 0.5" RUT DEPTH, TESTED @122°F
PG 64 OR LOWER	TEX-242-F	7,000
PG 70	TEX-242-F	15,000
PG 76 OR HIGHER	TEX-242-F	20,000

** THE COUNTY ENGINEER MAY ACCEPT HAMBURG WHEEL TEST RESULTS FOR PRODUCTION AND PLACEMENT IF NO MORE THAN 1OF THE 5 MOST RECENT TESTS IS BELOW THE SPECIFIED NUMBER OF PASSES AND THE FAILING TEST IS NO MORE THAN 2,000 PASSES BELOW THE SPECIFIED NUMBER OF PASSES.*

6. SUBMIT ANY PROPOSED ADJUSTMENTS OR CHANGES TO A JOB MIX FORMULA TO THE COUNTY ENGINEER BEFORE PRODUCTION OF THE NEW JOB MIX FORMULA.

7. UNLESS OTHERWISE APPROVED, PROVIDE TYPE B MIXTURES THAT HAVE NO LESS THAN 4.5% ASPHALT BINDER, AND TY C AND D MIXTURES WITH NO LESS THAN 4.7% BINDER.

8. FOR MIXTURE DESIGN VERIFICATION, PROVIDE THE ENGINEER WITH TWO 5-GALLON BUCKETS OF EACH AGGREGATE STOCKPILE TO BE USED ON THE PROJECT AND THREE GALLONS OF EACH PG BINDER TO BE USED ON THE PROJECT. ALSO PROVIDE SUFFICIENT QUANTITIES OF ANY OTHER ADDITIVES THAT WILL BE USED IN THE HMA MIXTURE. THIS MUST BE DONE PRIOR TO APPROVAL OF THE MIX DESIGN, UNLESS ALREADY PERFORMED WITHIN A ONE-YEAR TIME PERIOD.

9. PRIOR TO ALLOWING PRODUCTION OF THE TRIAL BATCH, THE ENGINEER WILL USE THE MATERIALS PROVIDED BY THE CONTRACTOR TO PERFORM THE FOLLOWING TESTS TO VERIFY THE HMA MIXTURE DESIGN.

   1. INDIRECT TENSILE TEST IN ACCORDANCE WITH TEX-226-F
   2. HAMBURG WHEEL TEST IN ACCORDANCE WITH TEX-242-F
   3. OVERLAY TEST IN ACCORDANCE WITH TEX-248-F
   4. CANTABRO TEST IN ACCORDANCE WITH TEX-245-F

   FOR MIXTURES DESIGNED WITH A TEXAS GYRATORY COMPACTOR (TGC), THE ENGINEER MAY REQUIRE THAT THE TARGET LABORATORY MOLDED DENSITY BE RAISED TO NO MORE THAN 97.5% OR MAY LOWER THE DESIGN NUMBER OF GYRATIONS TO NO LESS THAN 35 FOR MIXTURES DESIGNED WITH AN SGC IF ANY OF THE FOLLOWING CONDITIONS EXIST.

   1. THE INDIRECT TENSILE TEST RESULTS IN A VALUE GREATER THAN 200 PSI
   2. THE HAMBURG WHEEL TEST RESULTS IN A VALUE LESS THAN 3.0 MM
   3. THE OVERLAY TEST RESULTS IN A VALUE LESS THAN 100 CYCLES
   4. THE CANTABRO TEST RESULTS IN A VALUE OF MORE THAN 20% LOSS

   IN LIEU OF, OR IN ADDITION TO EVALUATING THE MIXTURE DESIGN PRIOR TO ALLOWING A TRIAL BATCH TO BE PRODUCED, THE ENGINEER MAY ALSO EVALUATE THE MIXTURE PRODUCED DURING THE TRIAL BATCH FOR COMPLIANCE WITH THE 4 TESTS LISTED ABOVE.

10. CONTRACTOR'S QUALITY CONTROL (CQC) TEST REPORTS SHALL BE SUBMITTED TO THE COUNTY ENGINEER ON A DAILY BASIS. AS A MINIMUM, DAILY CQC TESTING ON THE PRODUCED MIX SHALL INCLUDE: SIEVE ANALYSIS TEX-200-F, ASPHALT CONTENT TEX-236-F, HVEEM STABILITY TEX-208-F, LABORATORY COMPACTED DENSITY TEX-207-F, AND MAXIMUM SPECIFIC GRAVITY TEX-227-F. THE NUMBER AND LOCATION OF ALL HMAC TESTS SHALL BE DETERMINED BY THE COUNTY ENGINEER WITH A MINIMUM OF THREE, 6-INCH DIAMETER FIELD CORES SECURED AND TESTED BY THE CONTRACTOR FROM EACH DAY'S PAVING. EACH HMAC COURSE SHALL BE TESTED FOR IN-PLACE DENSITY, BITUMINOUS CONTENT AND AGGREGATE GRADATION, AND SHALL BE MEASURED FOR COMPACTED THICKNESS. THE NUMBER AND LOCATION OF ALL HMAC TEST SAMPLES SHALL BE DETERMINED BY THE COUNTY ENGINEER.

11. RURAL ROADS MAY USE EITHER THE SPECIFICATIONS FOUND IN SECTION B7.1 OR A TWO-COURSE SURFACE IN ACCORDANCE WITH ITEM 316, TREATMENT WEARING SURFACE, OF THE CURRENT EDITION OF THE TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. THE TYPE AND RATE OF ASPHALT AND AGGREGATE SHALL BE INDICATED ON THE PLANS AS A BASIS OF ESTIMATE AND SHALL BE DETERMINED AT THE PRECONSTRUCTION CONFERENCE. AGGREGATE USED IN THE MIX SHALL BE ON THE TXDOT QUALITY MONITORING SCHEDULE. AGGREGATE SHALL BE TYPE B GRADE 4. GRADATION TESTS SHALL BE REQUIRED FOR EACH 300 CUBIC YARDS OF MATERIAL PLACED WITH A MINIMUM OF TWO TESTS PER EACH GRADE PER EACH PROJECT. TEST RESULTS SHALL BE REVIEWED BY THE COUNTY ENGINEER PRIOR TO APPLICATION OF THE MATERIAL.

CONCRETE PAVEMENT

IN LIEU OF BITUMINOUS PAVEMENT, PORTLAND CEMENT CONCRETE PAVEMENT MAY BE USED, IN SUCH CASES, THE PAVEMENT THICKNESS SHALL BE A MINIMUM OF 9 INCHES OF CONCRETE, AND SHALL BE JOINTED AND REINFORCED IN ACCORDANCE WITH THE DETAIL INCLUDED IN APPENDIX J. THE MIX SHALL BE FROM A TXDOT CERTIFIED PLANT. THE MIX DESIGN SHALL BE SUBMITTED TO THE COUNTY ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF THE MATERIAL.

CONCRETE - GENERAL

1. UNLESS OTHERWISE SPECIFIED, CONCRETE SHALL BE IN ACCORDANCE WITH ITEM 421 OF THE CURRENT EDITION OF THE TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND BE PLACED IN ACCORDANCE WITH THE APPLICABLE ITEM.

2. ALL CONCRETE SHALL BE TESTED FOR COMPRESSIVE STRENGTH. ONE SET OF THREE CONCRETE TEST CYLINDERS SHALL BE MOLDED FOR EVERY 50 CUBIC YARDS OF CONCRETE PLACED FOR EACH CLASS OF CONCRETE PER DAY, OR AT ANY OTHER INTERVAL AS DETERMINED BY THE COUNTY ENGINEER. A SLUMP TEST SHALL BE REQUIRED WITH EACH SET OF TEST CYLINDERS. ONE CYLINDER SHALL BE TESTED FOR COMPRESSIVE STRENGTH AT AN AGE OF SEVEN DAYS AND THE REMAINING TWO CYLINDERS SHALL BE TESTED AT 28 DAYS OF AGE.

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TO SERVE

REDEMPTION CITY CHURCH
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AUSTIN, TX 78717

GENERAL NOTES

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C01.00

COUNTY PROJECT NUMBER: 2025-1563-COC

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CITY OF AUSTIN - WATER NOTES

UPDATED MARCH 2019

1. WATER SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF AUSTIN ENGINEERING MANUAL, STANDARD SPECIFICATIONS AND STANDARD DETAILS.
2. FIRE HYDRANTS ON MAINS UNDER CONSTRUCTION SHALL BE SECURELY WRAPPED WITH A POLY WRAP BAG AND TAPED INTO PLACE. THE POLY WRAP SHALL BE REMOVED WHEN THE MAINS ARE ACCEPTED AND BROUGHT INTO SERVICE. ALL FIRE LINES SHALL BE DUCTILE IRON.
3. ALL WATER SERVICE, WASTEWATER SERVICE, AND VALVE LOCATIONS SHALL BE APPROPRIATELY MARKED AS FOLLOWS:
   A. WATER SERVICE "W" ON TOP OF CURB
   B. VALVE "V" ON TOP OF CURB OR VALVE SIGN AS INSTRUCTED BY CITY ENGINEER
4. TOOLS FOR MARKING CURBS SHALL BE PROVIDED BY THE CONTRACTOR. OTHER APPROPRIATE MEANS OF MARKING SERVICE AND VALVE LOCATIONS SHALL BE PROVIDED IN AREAS WITHOUT CURBS. SUCH MEANS OF MARKING SHALL BE SPECIFIED BY THE ENGINEER AND APPROVED BY THE CITY OF HUTTO.
5. THRUST BLOCKING AND RESTRAINTS SHALL BE IN ACCORDANCE WITH CITY OF HUTTO STANDARD SPECIFICATIONS.
6. HYDROSTATIC PRESSURE AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL PRESSURE PIPELINES CARRYING WATER.
7. ALL NEWLY INSTALLED PIPES AND RELATED PRODUCTS MUST CONFORM TO AMERICAN NATIONAL STANDARDS INSTITUTE MUST BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY ANSI.
8. PIPE MATERIAL FOR WATER MAINS SHALL BE PVC (AWWA C900/C905, MIN. DR 14), OR DUCTILE IRON (AWWA C151, MIN. CLASS 350). WATER SERVICES (2" OR SMALLER) SHALL BE POLYETHYLENE TUBING (BLACK, 200 PSI, DR 9).
9. ALL DUCTILE IRON PIPE (D.I.P) SHALL BE WRAPPED WITH EIGHT (8) MIL, BLACK VIRGIN POLYETHYLENE WRAP AS SPECIFIED IN ANSI/AWWA C105/A21.5.
10. ALL D.I.P. SHALL BE LINED WITH VIRGIN POLYETHYLENE CONFORMING TO ASTM D-1248; 40 MIL THICKNESS (NOMINAL), 35 MILS (MINIMUM). LINER TO BE POLYBOND OR EQUAL. AT ANY POINT WHERE CANNOT BE WRAPPED IN POLYETHYLENE, COAT THE EXTERIOR WITH POLYBOND OR APPROVED EQUAL.
11. ALL PVC PIPE (ALL TYPES AND SDR/DR WALL THICKNESS TO BE USED) SHALL HAVE RUBBER GASKET EQUIPPED BELL AND SPIGOT JOINTS CONFORMING TO ASTM D-3212. THE GASKET MATERIAL SHALL CONFORM TO ASTM F-477. SOLVENT WELDED JOINTS WILL NOT BE APPROVED FOR THIS PROJECT.
12. ALL POTABLE WATERLINES AND SANITARY SEWER FACILITIES MUST BE INSTALLED SO AS TO PROVIDE A MINIMUM OF NINE FEET OF CLEARANCE IN ANY DIRECTION BETWEEN THEM. WHERE THE NINE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, FOLLOW THESE SPECIAL PROCEDURES.
    A. IF A COLLECTION SYSTEM PIPE PARALLELS A PUBLIC WATER SUPPLY PIPE THE FOLLOWING REQUIREMENTS APPLY:
    I. A COLLECTION SYSTEM PIPE MUST BE CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC MEETING ASTM SPECIFICATIONS WITH AT LEAST 150 POUNDS PER SQUARE INCH (PSI) PRESSURE RATING FOR BOTH THE PIPE AND JOINTS.
    II. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET BETWEEN THE OUTSIDE DIAMETERS OF THE PIPES.
    III. HORIZONTAL SEPARATION MUST BE AT LEAST FOUR FEET BETWEEN OUTSIDE DIAMETERS OF THE PIPES.
    IV. COLLECTION SYSTEM PIPE MUST BE BELOW WATER SUPPLY PIPE.
    B. IF A COLLECTION SYSTEM PIPE CROSSES A PUBLIC WATER SUPPLY PIPE, THE FOLLOWING REQUIREMENTS APPLY:
    I. IF A COLLECTION SYSTEM IS CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC WITH A MINIMUM PRESSURE RATING OF 150 PSI, THE FOLLOWING REQUIREMENTS APPLY:
        a. A MINIMUM DISTANCE OF SIX (6) INCHES BETWEEN OUTSIDE DIAMETERS OF THE PIPES.
        b. A COLLECTION SYSTEM PIPE MUST BE BELOW A PUBLIC WATER SUPPLY PIPE.
        c. COLLECTION SYSTEM PIPE JOINTS MUST BE LOCATED AS FAR AS POSSIBLE FROM AN INTERSECTION WITH A PUBLIC WATER SUPPLY LINE.
    II. IF A COLLECTION SYSTEM CROSSES OVER A PUBLIC WATER SUPPLY PIPE, EACH PORTION OF A COLLECTION SYSTEM PIPE WITHIN NINE FEET OF A PUBLIC WATER SUPPLY PIPE MUST BE CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC PIPE WITH A PRESSURE RATING OF AT LEAST 150 PSI USING APPROPRIATE ADAPTERS.
13. THE CONTRACTOR MUST OBTAIN A TEMPORARY WATER METER FROM THE CITY OF AUSTIN UTILITY BILLING DEPARTMENT FOR ALL WATER USED DURING CONSTRUCTION.
14. CONTRACTOR TO SCHEDULE WATER VALVE CLOSURE THROUGH CITY OF AUSTIN: DEPARTMENT OF PUBLIC WORKS - UTILITY DIVISION WITH ADVANCE NOTICE OF 7 DAYS. CONTRACTOR TO CONTACT PUBLIC WORKS AT PHONE #512-759-4016 AND NOTIFY CONSTRUCTION INSPECTOR. WATER VALVE CLOSURE WILL ONLY BE SCHEDULED FOR TUESDAY THROUGH THURSDAY. CONTRACTOR TO NOTIFY ALL BUSINESSES AND RESIDENTS AFFECTED BY VALVE CLOSURES. CLOSURES MUST BE COORDINATED TO MINIMIZE EFFECTS ON EXISTING CUSTOMERS WITH CONSIDERATIONS GIVEN TO BUSINESSES THAT REQUIRE WATER TO MAINTAIN OPERATIONS.
15. LINE FLUSHING OR ANY ACTIVITY USING A LARGE QUANTITY OF WATER MUST BE SCHEDULED WITH THE CITY OF AUSTIN. CONTRACTOR WILL BE RESPONSIBLE FOR TRACKING THE AMOUNT OF WATER USED DURING FLUSHING AND BE REQUIRED TO REIMBURSE THE CITY FOR WATER USE, IF NOT ALREADY METERED.
16. THE CONTRACTOR, AT HIS EXPENSE, SHALL PERFORM STERILIZATION OF ALL POTABLE WATER LINES AND SHALL PROVIDE ALL EQUIPMENT NECESSARY (INCLUDING TEST GAGES), SUPPLIES (INCLUDING CONCENTRATED CHLORINE DISINFECTION MATERIAL) AND NECESSARY LABOR REQUIRED FOR THE STERILIZATION PROCEDURE. THE STERILIZATION PROCEDURE SHALL BE MONITORED BY THE ENGINEER AND A CITY OF AUSTIN CONSTRUCTION INSPECTOR. WATER SAMPLES WILL BE COLLECTED TO VERIFY EACH TREATED LINE HAS ATTAINED AN INITIAL CHLORINE CONCENTRATION OF 50 PPM.
17. AN INDEPENDENT QUALIFIED LAB, AT THE CONTRACTOR'S EXPENSE, SHALL PERFORM QUALITY TESTING FOR ALL WASTEWATER PIPE INSTALLED AND PRESSURE HYDROSTATIC TESTING OF ALL WATER LINES CONSTRUCTED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT (INCLUDING PUMPS AND GAGES), SUPPLIES, AND LABOR NECESSARY TO PERFORM THE TESTS. A CITY OF AUSTIN CONSTRUCTION INSPECTOR MUST BE PRESENT FOR ALL TESTING.
18. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND THE CITY NOT LESS THAN 24 HOURS NOTICE PRIOR TO PERFORMING STERILIZATION, QUALITY TESTING, OR PRESSURE TESTING.
19. THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES UNLESS AUTHORIZED BY THE CITY OF AUSTIN.
20. ALL VALVE BOXES AND COVERS SHALL BE CAST IRON PER CITY OF AUSTIN STANDARD DETAILS.
21. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON RING AND COVER. ALL MANHOLES LOCATED OUTSIDE OF PAVEMENT SHALL HAVE BOLTED AND GASKETED COVERS. CONCRETE MANHOLES TO BE COATED PER STANDARD DETAIL AND CONSTRUCTION SPECIFICATIONS. TAPPING OF FIBERGLASS MANHOLES SHALL NOT BE PERMITTED.
22. ALL FIRE LINES SHALL BE DUCTILE IRON PIPE (AWWA C-100, CLASS 200).
23. ALL FIRE HYDRANTS SHALL BE SILVER IN COLOR INCLUDING BONNET AND INSTALLED PER CITY OF AUSTIN STANDARD DETAIL.
24. ALL WATER PIPING AND FITTINGS SHALL BE VIRGIN STOCK.
25. ALL MECHANICAL RESTRAINTS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
26. ALONG STATE HIGHWAYS, WATER LINES ARE REQUIRED ON BOTH SIDES OF THE ROADWAY. NEW WATER LINES CROSSING EXISTING STREETS SHALL BE PLACED BY BORING. A STEEL CASING SHALL BE REQUIRED UNDER MAJOR AND MINOR COLLECTOR ROADWAYS, ARTERIAL ROADWAYS AND STATE HIGHWAY. OPEN CUT EXCAVATION WILL NOT BE ALLOWED TO CROSS EXISTING STREETS, UNLESS APPROVED BY THE CITY ENGINEER.
27. ALL NEW WATER PIPES MUST HAVE DETECTABLE TAPE PER CITY OF AUSTINSTANDARD DETAIL.
28. ALL AUTOMATIC FLUSH VALVES MUST USE A METER TO MEASURE WATER LOSS.
29. TRACER WIRE WILL BE TESTED AND MUST WORK CORRECTLY BEFORE CITY ACCEPTANCE OF INFRASTRUCTURE. TRACER WIRER MUST BE ENCASED IN PIPE.
30. ALL REDUCED SIZE TAPS SHALL BE MADE USING AN EPOXY COATED FABRICATED STEEL TAPPING SLEEVE WITH STAINLESS STEEL BOLTS, OR A STAINLESS STEEL FULL CIRCLE TAPPING SLEEVE WITH DUCTILE IRON FLANGE.

CITY OF AUSTIN - WASTEWATER NOTES

UPDATED AUGUST 2018

1. WASTEWATER SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF AUSTIN ENGINEERING DESIGN MANUAL, STANDARD SPECIFICATIONS AND STANDARD DETAILS.
2. NO CURVILINEAR WASTEWATER DESIGN/LAYOUT IS PERMITTED.
3. ALL WASTEWATER SERVICE, AND VALVE LOCATIONS SHALL BE APPROPRIATELY MARKED AS FOLLOWS:
   A. WASTEWATER SERVICE "S" ON TOP OF CURB
   B. VALVE "V" ON TOP OF CURB
4. TOOLS FOR MARKING CURBS SHALL BE PROVIDED BY THE CONTRACTOR. OTHER APPROPRIATE MEANS OF MARKING SERVICE AND VALVE LOCATIONS SHALL BE PROVIDED IN AREAS WITHOUT CURBS. SUCH MEANS OF MARKING SHALL BE SPECIFIED BY THE DESIGN ENGINEER AND APPROVED BY CITY OF AUSTIN.
5. THRUST BLOCKING AND RESTRAINTS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARD SPECIFICATIONS.
6. MANDREL TESTING WILL BE REQUIRED ON ALL WASTEWATER PIPE AS PER CITY OF AUSTIN CONSTRUCTION SPECIFICATIONS.
7. ALL GRAVITY WASTEWATER MAINS TO BE FIELD-TESTED FOR WATER TIGHTNESS AND VIDEO TAPED BY CAMERA SO SOONER THAN 30-DAYS AFTER TOTAL COMPLETION OF WASTEWATER LINES. TWO DIGITAL COPIES SHALL BE PROVIDED TO THE CITY BEFORE CLOSEOUT.
8. HYDROSTATIC PRESSURE AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL PRESSURE PIPELINES CARRYING WASTEWATER.
9. ALL MANHOLES SHALL BE TESTED FOR LEAKAGE SEPARATELY AND INDEPENDENTLY OF WASTEWATER LINES BY HYDROSTATIC EXFILTRATION TESTING OR OTHER CITY APPROVED METHOD PER CITY OF AUSTIN CONSTRUCTION SPECIFICATIONS.
10. EXISTING MANHOLES SHALL BE TESTED FOR LEAKAGE PRIOR TO CORING OR ADJUSTMENT.
11. EXISTING MANHOLES SHALL HAVE ALL CONCRETE SURFACES CLEANED AND COATED PER CITY OF AUSTIN WASTEWATER DETAILS AFTER CORING OR ADJUSTMENT.
12. ALL NEWLY INSTALLED PIPES AND RELATED PRODUCTS MUST CONFORM TO AMERICAN NATIONAL STANDARDS INSTITUTE / NATIONAL SANITATION FOUNDATION STANDARD 61 AND MUST BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY ANSI.
13. PIPE MATERIAL FOR PRESSURE WASTEWATER MAINS SHALL BE PVC (AWWA C900, MIN. DR 14), OR DUCTILE IRON (AWWA C151, MIN. CLASS 350). DUCTILE IRON FOR PRESSURE WASTEWATER MAINS SHALL HAVE A CORROSION RESISTANT INTERIOR LINING ACCEPTABLE TO OWNER. PIPE MATERIAL FOR GRAVITY WASTEWATER MAINS SHALL BE PVC SDR-26, ASTM D-3034.
14. ALL PVC PIPE (ALL TYPES AND SDR/DR WALL THICKNESS TO BE USED) SHALL HAVE RUBBER GASKET EQUIPPED BELL AND SPIGOT JOINTS CONFORMING TO ASTM D-3212. THE GASKET MATERIAL SHALL CONFORM TO ASTM F-477. SOLVENT WELDED JOINTS WILL NOT BE APPROVED FOR THIS PROJECT.
15. ALL SANITARY SEWER FACILITIES AND POTABLE WATERLINES MUST BE INSTALLED SO AS TO PROVIDE A MINIMUM OF NINE FEET OF CLEARANCE IN ANY DIRECTION BETWEEN THEM. WHERE THE NINE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, FOLLOW THESE SPECIAL PROCEDURES.
    A. IF A COLLECTION SYSTEM PIPE PARALLELS A PUBLIC WATER SUPPLY PIPE THE FOLLOWING REQUIREMENTS APPLY:
    I. A COLLECTION SYSTEM PIPE MUST BE CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC MEETING ASTM SPECIFICATIONS WITH AT LEAST 150 POUNDS PER SQUARE INCH (PSI) PRESSURE RATING FOR BOTH THE PIPE AND JOINTS.
    II. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET BETWEEN THE OUTSIDE DIAMETERS OF THE PIPES.
    III. HORIZONTAL SEPARATION MUST BE AT LEAST FOUR FEET BETWEEN OUTSIDE DIAMETERS OF THE PIPES.
    IV. COLLECTION SYSTEM PIPE MUST BE BELOW WATER SUPPLY PIPE.
    B. IF A COLLECTION SYSTEM PIPE CROSSES A PUBLIC WATER SUPPLY PIPE, THE FOLLOWING REQUIREMENTS APPLY:
    I. IF A COLLECTION SYSTEM IS CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC WITH A MINIMUM PRESSURE RATING OF 150 PSI, THE FOLLOWING REQUIREMENTS APPLY:
        a. A MINIMUM DISTANCE OF SIX (6) INCHES BETWEEN OUTSIDE DIAMETERS OF THE PIPES.
        b. A COLLECTION SYSTEM PIPE MUST BE BELOW A PUBLIC WATER SUPPLY PIPE.
        c. COLLECTION SYSTEM PIPE JOINTS MUST BE LOCATED AS FAR AS POSSIBLE FROM AN INTERSECTION WITH A PUBLIC WATER SUPPLY LINE.
    II. IF A COLLECTION SYSTEM CROSSES OVER A PUBLIC WATER SUPPLY PIPE, EACH PORTION OF A COLLECTION SYSTEM PIPE WITHIN NINE FEET OF A PUBLIC WATER SUPPLY PIPE MUST BE CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC PIPE WITH A PRESSURE RATING OF AT LEAST 150 PSI USING APPROPRIATE ADAPTERS.
16. AN INDEPENDENT QUALIFIED LAB, AT THE CONTRACTOR'S EXPENSE, SHALL PERFORM QUALITY TESTING FOR ALL WASTEWATER PIPE INSTALLED AND PRESSURE HYDROSTATIC TESTING OF ALL WATER LINES CONSTRUCTED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT (INCLUDING PUMPS AND GAGES), SUPPLIES, AND LABOR NECESSARY TO PERFORM THE TESTS. A CITY OF AUSTIN CONSTRUCTION INSPECTOR MUST BE PRESENT FOR ALL TESTING.
17. THE CONTRACTOR SHALL PROVIDE THE DESIGN ENGINEER AND THE CITY NOT LESS THAN 24 HOURS NOTICE PRIOR TO PERFORMING STERILIZATION, QUALITY TESTING, OR PRESSURE TESTING.
18. THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES UNLESS AUTHORIZED BY THE CITY OF AUSTIN.
19. ALL VALVE BOXES AND COVERS SHALL BE CAST IRON PER CITY OF AUSTIN STANDARD DETAILS.
20. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON RING AND COVER. ALL MANHOLES LOCATED OUTSIDE OF PAVEMENT SHALL HAVE BOLTED AND GASKETED COVERS. CONCRETE MANHOLES TO BE COATED PER STANDARD DETAIL AND CONSTRUCTION SPECIFICATIONS. TAPPING OF FIBERGLASS MANHOLES SHALL NOT BE PERMITTED.
21. ALL WASTEWATER PIPING AND FITTINGS SHALL BE VIRGIN STOCK.
22. ALL MECHANICAL RESTRAINTS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

AUSTIN ENERGY STANDARD NOTES

1. AUSTIN ENERGY HAS THE RIGHT TO PRUNE AND/OR REMOVE TREES, SHRUBBERY AND OTHER OBSTRUCTIONS TO THE EXTENT NECESSARY TO KEEP THE EASEMENTS CLEAR. AUSTIN ENERGY WILL PERFORM ALL TREE WORK IN COMPLIANCE WITH CHAPTER 25-8, SUBCHAPTER B OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.

2. THE OWNER/DEVELOPER OF THIS SUBDIVISION/LOT SHALL PROVIDE AUSTIN ENERGY WITH ANY EASEMENT AND/OR ACCESS REQUIRED, IN ADDITION TO THOSE INDICATED, FOR THE INSTALLATION AND ONGOING MAINTENANCE OF OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES. THESE EASEMENTS AND/OR ACCESS ARE REQUIRED TO PROVIDE ELECTRIC SERVICE TO THE BUILDING AND WILL NOT BE LOCATED SO AS TO CAUSE THE SITE TO BE OUT OF COMPLIANCE WITH CHAPTER 25-8 OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.

3. THE OWNER SHALL BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY EROSION CONTROL, REVEGETATION AND TREE PROTECTION. IN ADDITION, THE OWNER SHALL BE RESPONSIBLE FOR ANY INITIAL TREE PRUNING AND TREE REMOVAL THAT IS WITHIN TEN FEET OF THE CENTER LINE OF THE PROPOSED OVERHEAD ELECTRICAL FACILITIES DESIGNED TO PROVIDE ELECTRIC SERVICE TO THIS PROJECT. THE OWNER SHALL INCLUDE AUSTIN ENERGY'S WORK WITHIN THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.

4. THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR MAINTAINING CLEARANCES REQUIRED BY THE NATIONAL ELECTRIC SAFETY CODE, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, CITY OF AUSTIN RULES AND REGULATIONS AND TEXAS STATE LAWS PERTAINING TO CLEARANCES WHEN WORKING IN CLOSE PROXIMITY TO OVERHEAD POWER LINES AND EQUIPMENT. AUSTIN ENERGY WILL NOT RENDER ELECTRIC SERVICE UNLESS REQUIRED CLEARANCES ARE MAINTAINED. ALL COSTS INCURRED BECAUSE OF FAILURE TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED TO THE OWNER.

5. ANY RELOCATION OF ELECTRIC FACILITIES SHALL BE AT LANDOWNER'S/DEVELOPER'S EXPENSE.

TCEQ NOTES

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
   - THE NAME OF THE APPROVED PROJECT;
   - THE ACTIVITY START DATE; AND
   - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.

2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.

3. IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SINK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE APPROPRIATE PROTECTIVE MEASURES IN ORDER TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.

4. NO TEMPORARY OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.

5. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND 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.

6. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.

7. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.

8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.

9. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.

10. IF PORTIONS OF THE SITE WILL HAVE A TEMPORARY OR PERMANENT CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.

11. THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
   - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
   - THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND
   - THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

12. THE HOLDER OF ANY APPROVED 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:
    A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
    B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;
    C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

THE DRAWING AND WRITTEN MATERIAL HEREIN CONSTITUTE ORIGINAL WORK OF THE ENGINEER, AND AS THE INTELLECTUAL PROPERTY AND INSTRUMENTS OF SERVICE ARE SUBJECT TO COPYRIGHT AND MAY NOT BE REPRODUCED, DISTRIBUTED PUBLISHED OR USED IN ANY WAY WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ENGINEER.

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Civil Engineering
WBE210166 | HUB 1853873845300

No.	REVISION
1	
2	
3	
4	
5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

GENERAL NOTES

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C01.01

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 GENERAL NOTES.dwg

GENERAL NOTES

ALL RESPONSIBILITY FOR THE ADEQUECY OF THESE PLANS REMAINS WITH THE ENGINEER. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN DOES NOT REMOVE THESE RESPONSIBILITIES.

"REVIEWED BY AUSTIN WATER" APPLIES ONLY TO AW PUBLIC INFRASTRUCTURE, ALL OTHER WATER AND WASTEWATER INFRASTRUCTURE INSIDE PRIVATE PROPERTY ARE UNDER THE JURISDICATION OF BUILDING INSPECTIONS.

USE OF ELECTRONIC FILES GENERAL DISCLAIMER: USE OF THE ATTACHED FILES IN ANY MANNER INDICATES YOUR ACCEPTANCE OF TERMS AND CONDITIONS AS SET FORTH BELOW. IF YOU DO NOT AGREE TO ALL OF THE TERMS AND CONDITIONS, PLEASE CONTACT AUSTIN WATER PIPELINE ENGINEERING, PROJECT COORDINATOR PRIOR TO USE OF THE REFERENCED INFORMATION. PLEASE BE ADVISED THAT THE ATTACHED FILES ARE IN A FORMAT THAT CAN BE ALTERED BY THE USER. DUE TO THIS FACT, ANY REUSE OF THE DATA WILL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE CITY OF AUSTIN AND USER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF AUSTIN FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM USING THE DIGITAL FILE. IN ADDITION, IT IS THE RESPONSIBILITY OF THE USER TO COMPARE ALL DATA WITH THE PDF VERSION OF THIS DRAWING. IN THE EVENT THERE IS A CONFLICT BETWEEN THE PDF VERSION DRAWING AND THE ELECTRONIC FILE, THE PDF VERSION DRAWING SHALL PREVAIL.

AW INFRASTRUCTURE INFORMATION

PROPOSED PRODUCT TYPE (TO BE INSTALLED)	LENGTH OF PIPE (L.F.)	SIZE OF PIPE (INCH)	NO. OF METERED SERVICES
WATER MAIN			
WASTEWATER MAIN			
RECLAIMED WATER MAIN			
WATER SERVICE	NA	NA	
WASTEWATER SERVICE	NA	NA	
RECLAIMED WATER SERVICE	NA	NA	

STANDARD CONSTRUCTION NOTES REVISED FEBRUARY 7, 2025

1. THE CITY STANDARD CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL COVER MATERIALS AND METHODS USED TO DO THIS WORK.
2. CONTRACTOR MUST OBTAIN A ROW PERMIT FROM AUSTIN TRANSPORTATION AND PUBLIC WORKS DEPARTMENT, RIGHT OF WAY MANAGEMENT DIVISION BEFORE BEGINNING CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF A PUBLIC STREET OR ALLEY. ACTIVITY WITHIN RIGHT-OF-WAY SHALL COMPLY WITH APPROVED TRAFFIC CONTROL PLAN (TCP).
3. AT LEAST 48 HOURS PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION ACTIVITY IN PUBLIC ROW OR PUBLIC EASEMENT, THE CONTRACTOR SHALL NOTIFY THE APPLICABLE CITY OF AUSTIN INSPECTION GROUP (AUSTIN TRANSPORTATION AND PUBLIC WORKS DEPARTMENT (TPW), OR DEVELOPMENT SERVICES). SEE CURRENT NOTIFICATION REQUIREMENTS AT WWW.AUSTINTEXAS.GOV.
4. THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 FOR EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE CITY OF AUSTIN WATER AND WASTEWATER MAINTENANCE RESPONSIBILITY ENDS AT R.O.W./EASEMENT LINES.
5. NO OTHER UTILITY SERVICE/APPURTENANCES SHALL BE PLACED NEAR THE PROPERTY LINE, OR OTHER ASSIGNED LOCATION DESIGNATED FOR WATER AND WASTEWATER UTILITY SERVICE THAT WOULD INTERFERE WITH THE WATER AND WASTEWATER SERVICES.
6. MINIMUM TRENCH SAFETY MEASURES SHALL BE PROVIDED, AS REQUIRED BY OSHA, CITY SPECIFICATION 509S, AND CITY/COUNTY CONSTRUCTION INSPECTORS.
7. PRESSURE TAPS WILL ONLY BE ALLOWED ON A CASE BY CASE BASIS, AS DETERMINED BY THE DIRECTOR'S DESIGNEE. NORMALLY PRESSURE TAPS 4 INCHES AND LARGER SHALL BE ALLOWED IN THE FOLLOWING CASES: A) A TEST SHUT OUT INDICATES AN ADEQUATE SHUT OUT TO PERFORM THE WORK IS NOT FEASIBLE B) MORE THAN 30 CUSTOMERS OR A SINGLE CRITICAL CUSTOMER (AS DEFINED BY AUSTIN WATER) WOULD BE IMPACTED BY THE SHUT OUT OR C) THE EXISTING WATER LINE WARRANTS IT.
8. WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEMS 510.3 (27)-(29). FORCE MAIN PRESSURE TESTING SHALL BE CONDUCTED AND FALL UNDER THE SPECIFICATIONS AS WATER LINES (PRESSURE PIPE) OR AS DIRECTED BY THE PROJECT SPECIFICATIONS.
9. ALL MATERIAL USED ON THIS PROJECT MUST BE LISTED ON THE STANDARD PRODUCTS LISTING. ANY MATERIAL NOT LISTED HAS TO GO THROUGH THE REVIEW OF THE STANDARDS COMMITTEE FOR REVIEW AND APPROVAL PRIOR TO START OF PROJECT. TESTING AND EVALUATION OF PRODUCTS ARE REQUIRED BEFORE APPROVAL WILL BE GIVEN ANY CONSIDERATION.
10. WHEN WATER SERVICES ARE DAMAGED AND THE SERVICE MATERIAL IS POLYETHYLENE (PE), THE LINE SHALL BE REPAIRED ONLY BY HEAT FUSION WELD, AT BRASS FITTINGS, OR THE FULL LENGTH SHALL BE REPLACED PER CURRENT STANDARD DETAIL(S). WHEN POLYBUTYLENE (PB) TUBING IS DAMAGED OR TAMPERED WITH IN ANY WAY, THE FULL LENGTH OF SERVICE LINE SHALL BE REPLACED. (NOTE: FULL LENGTH IS FROM THE CORPORATION STOP TO THE METER.) REPAIR COUPLINGS ARE NOT ALLOWED FOR ANY WATER OR WASTEWATER SERVICE LINE REPAIR, RECONNECT, OR REPLACEMENT.
11. WHEN AN EXISTING WATERLINE SHUT OUT IS NECESSARY AND POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR WHO WILL THEN NOTIFY AUSTIN WATER DISPATCH AND THE AFFECTED CUSTOMERS A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE.
12. THE INSPECTOR SHALL NOTIFY AUSTIN WATER AT 972-1000 AT A MINIMUM OF 72 HOURS PRIOR TO RELOCATING ANY DOMESTIC OR FIRE DEMAND WATER METERS.
13. PROJECT-SPECIFIC SHOP DRAWINGS SHALL BE SUBMITTED FOR AW APPROVAL FOR PRE-CAST CIRCULAR VERTICAL MANHOLE SECTIONS LARGER THAN 48" DIAMETER. THE SHOP DRAWINGS SHALL INCLUDE THE FLOWLINE ELEVATION OF ALL CONNECTING PIPES; ELEVATIONS OF TRANSITIONS FROM LARGE DIAMETER SECTIONS TO 48" DIAMETER SECTIONS; TOP OF MANHOLE AND SURROUNDING GROUND ELEVATIONS; AND DETAILS OF SPECIAL CONSTRUCTION CONSIDERATIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
14. WHEN CONCRETE MANHOLES LARGER THAN 48 INCH DIAMETER ARE USED, DRAWINGS THAT ARE SEALED BY A PROFESSIONAL ENGINEER SHALL BE SUBMITTED FOR BASE SLABS, FLAT TOP LIDS (IF USED), AND FLAT TYPE CONCRETE PIECES USED TO TRANSITION FROM LARGER TO SMALLER DIAMETER MANHOLE SECTIONS.
15. ALL FIRE HYDRANTS AND VALVES THAT ARE TO BE ABANDONED SHALL BE REMOVED, SALVAGED AND RETURNED TO AUSTIN WATER. NOTICE SHOULD BE GIVEN 48 HOURS PRIOR, TO PIPELINE OPERATIONS DISTRIBUTION SYSTEM -VALVES AND HYDRANT SERVICES SUPERVISOR AT AWDSM-ASSET-RECOVERY@CITYOFAUSTIN.ONMICROSOFT.COM.
16. ALL EXISTING WATER METERS IDENTIFIED TO BE RELOCATED OR ABANDONED AT THE DEVELOPMENT SHALL BE REMOVED FROM THE METER BOX PRIOR TO CONSTRUCTION AND GIVEN IMMEDIATELY TO THE CITY OF AUSTIN INSPECTOR.
17. THE ENGINEER SHALL CALL OUT THE SIZE, TYPE AND USE (DOMESTIC, IRRIGATION OR RECLAIM) OF ALL EXISTING WATER METERS TO BE RELOCATED OR REPURPOSED. WATER METER NUMBERS WILL NOT BE REQUIRED TO BE PLACED ON THE PLAN SHEET. A SEPARATE UTILITY PERMITTING OFFICE FORM CAN BE USED TO PROVIDE RELEVANT DATA FOR THE EXISTING INFORMATION ON EXISTING METERS TO RECEIVE APPROPRIATE CREDITS. THIS FORM SHALL BE DIRECTLY SUBMITTED TO UTILITY PERMITTING OFFICE FOR REVIEW AND PROCESSING.
18. NO CONNECTION MAY BE MADE BETWEEN THE PRIVATE PLUMBING AND AUSTIN WATER INFRASTRUCTURE UNTIL A CITY APPROVED WATER METER HAS BEEN INSTALLED.
19. METER BOXES AND CLEAN OUTS SHALL NOT BE LOCATED WITHIN PAVED AREAS SUCH AS DRIVEWAYS AND SIDEWALKS.
20. NO SOIL COMPACTION EQUIPMENT SHALL COME WITHIN 24-INCHES FROM THE TOP OF THE WATER OR WASTEWATER PIPE. BETWEEN 24-36 INCHES FROM TOP OF THE PIPE, ONLY LIGHT SOIL COMPACTION EQUIPMENT (E.G., RAMMERS OR "WHACKER PACKERS", VIBRATING PLATE COMPACTORS, WALK-BEHIND HAND-GUIDED ROLLERS) OR SMOOTH ROLLER COMPACTION EQUIPMENT WEIGHING LESS THAN 5,000 LBS. WILL BE ALLOWED. WHERE SOIL COMPACTION EQUIPMENT WILL BE 36-INCHES OR GREATER FROM THE TOP OF THE PIPE, HS20 LOADS SHALL NOT BE EXCEEDED. PIPE DEPTHS SHALL BE VERIFIED THROUGH POTHOLING, LEVEL A SUE OR BY MH INVERT DATA.
21. THE DESIGN AND CONSTRUCTION OF RETAINING WALLS, BRIDGES, CULVERTS, HEADWALLS, JUNCTION STRUCTURES, SCREENING WALLS, AND STORMWATER DRAINAGE PIPE WITHIN THE VICINITY OF AW UTILITIES SHALL BE IN COMPLIANCE WITH SECTION 13 OF THE COA'S TRANSPORTATION CRITERIA MANUAL.
22. THRUST RESTRAINT SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 510.3(22) AND SPL WW-27A, WW-27A-01, WW-27A-02 AND WW-27F.
23. ALL WATERLINE BRANCH CONNECTIONS SHALL HAVE AN MJ GATE VALVE POSITIVELY RESTRAINED TO THE MJ TEE BY USING A SWIVEL TEE, FOSTER ADAPTOR, OR SWIVEL X SOLID HYDRANT ADAPTOR (WITH SWIVEL GLAND).

* ON CITY SPONSORED PROJECTS, WHERE CONFLICTS ARE IDENTIFIED BETWEEN THESE CONSTRUCTION NOTES AND THE PROJECT CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS WILL TAKE PRECEDENCE.

AUTOMATED METERING INFRASTRUCTURE: EFFECTIVE MARCH 2022, NEW WATER METERS INSTALLED SHALL BE IN CONFORMANCE WITH AW'S AUTOMATED METERING INFRASTRUCTURE TECHNOLOGY, AND WITH THE APPLICABLE STANDARD PRODUCT LIST. APPLICANTS FILING A SITE PLAN OR SUBDIVISION PLAN WILL BE REQUIRED TO COORDINATE WITH THE AUSTIN WATER PLAN REVIEWER FOR DETAILS ON APPROVAL AND INSTALLATION.

PRIOR TO THE HANDLING AND DISPOSAL OF ASBESTOS PIPE, THE CONTRACTOR'S WORK PLAN WILL BE REVIEWED AND COORDINATED THROUGH COA BUILDING SERVICES DEPARTMENT - ASBESTOS, LEAD AND MOLD MANAGEMENT GROUP MANAGER WHO CAN BE REACHED AT 512-974-7137. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE A TRAINED, CERTIFIED AND LICENSED ASBESTOS ABATEMENT CONTRACTOR IN ACCORDANCE WITH THE FEDERAL, STATE AND LOCAL REGULATIONS.

MODIFICATIONS TO AUSTIN WATER SIGNED AND STAMPED SHEETS ARE NOT PERMITTED. ALL DESIGN MODIFICATIONS WILL NEED TO BE SUBMITTED VIA THE ABC PORTAL FOR A PLAN CORRECTION OR REVISION. ALL UNETHICAL ENGINEERING PRACTICES, INCLUDING MODIFYING CITY STAMPED PLAN SHEETS, SHALL BE REPORTED TO THE TEXAS BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS (PELS).
REFERENCE: TEXAS ENGINEERING PRACTICE ACT AND RULES, SUBCHAPTER C: PROFESSIONAL CONDUCT AND ETHICS

THE CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES, BELOW GROUND AND OVERHEAD, PRIOR TO STARTING ONSITE UTILITY WORK.

INSPECTION NOTES

PLEASE CONTACT DEVELOPMENT SERVICES DEPARTMENT, SITE AND SUBDIVISION INSPECTION AT SITESUBINTAKE@AUSTINTEXAS.GOV FOR ARRANGEMENTS FOR PAYMENT OF INSPECTION FEES AND JOB ASSIGNEMENT FOR INSPECTION OF THE PUBLIC UTILITIES TO THIS SITE. INSPECTION FEES MUST BE PAID BEFORE ANY PRE-CONSTRUCTION MEETING CAN BE CALLED.

LUE Tracking Table

Project: REDEMPTION CITY CHURCH
Case #: SP-2025-0386.ETJX.CC
Water SER #: SER-2869R
WW SER #: SER-2870R
Total LUE Allowed by SER:
LUE Benchmark / Trigger:

Phase Number/Name	LUE Count
- PHASE 1A	3.03
- PHASE 1B	13.33
- FUTURE PHASES (ESTIMATE)	22.92
-	
-	
Cumulative (Total) LUE	39.28

Note: This table to be utilized when SER required infrastructure is distributed across multiple site plans and subdivisions. Please show cumulative LUE count for development phases that have been installed, under construction, or currently under review by AW.

PROJECT INFORMATION

FIRE, DOMESTIC AND IRRIGATION DEMAND DATA

AUSTIN WATER PRESSURE IN PSI	___ PSI
STATIC PRESSURE AT HIGHEST LOT SERVED IN PSI	105 PSI
STATIC PRESSURE AT LOWEST LOT SERVED IN PSI	105 PSI
BUILDING SIZE IN SQUARE FEET (LARGEST BUILDING)	13,500 SQ.FT.
BUILDING TYPE PER IFC TABLE B105.1(2)	II-B
BUILDING HEIGHT (LARGEST BUILDING)	45'
AVAILABLE FIRE FLOW CALCS AT 20 PSI	20 PSI
REQUIRED BUILDING FIRE FLOW PER IFC TABLE B105.1(2)	6,000 GPM
REDUCED BUILDING FIRE FLOW PER 25% FIRE SPRINKLER (REDUCTION PER IFC TABLE B105.2)	1,500 GPM
MINIMUM FIRE FLOW (SEE NOTE 2 BELOW)*	1,500 GPM
WATER FIXTURE UNITS (WSFU) --CIRCLE ONE-- FLUSH TANKS OR FLUSHOMETERS	298 WSFU
DOMESTIC WATER DEMAND IN GPM	152.75 GPM
MAXIMUM IRRIGATION DEMAND IN GPM OR WAIVER LETTER	___ GPM
DOMESTIC LINE VELOCITY: ___SIZE OF DOMESTIC LINE (ADDITIONAL LINES MAY BE ADDED AS NECESSARY)	___ FPS / ___ GPM **
FIRE LINE VELOCITY: 24"SIZE OF DOMESTIC LINE (ADDITIONAL LINES MAY BE ADDED AS NECESSARY)	1.21 FPS /1,703 GPM ***
LIVING UNIT EQUIVALENTS (LUEs)	39.28 LUEs

*NOTE: LOTS WITH 65 PSI OR GREATER REQUIRE A PRV TO BE INSTALLED ON THE PROPERTY OWNERS SIDE OF THE DOMESTIC WATER METER.
1. WITH THE EXCEPTION OF PROVIDING THE REQUIRED INFORMATION, DO NOT REVISE THESE TABLES IN ANYWAY.
2. MINIMUM FIRE FLOW: DESIGN ENGINEER MUST INDICATE VALUES WHICH COMPLY WITH IFC TABLES B105.1(2) OR B105.2 (REQUIRED OR REDUCED FIRE FLOWS). MINIMUM FIRE FLOW VALUE SHALL BE NO LESS THAN 1000 GPM FOR NFPA 13 SYSTEMS OR 1500 GPM FOR NFPA 13 R SYSTEMS (FOOTNOTES a AND b FOR TABLE B105.2)
3. IF DEMAND, OTHER THAN MINIMUM FIRE FLOW, IS UTILIZED IN FIRE LINE VELOCITY DETERMINATION, ENGINEERING JUSTIFICATION SHALL BE SHOWN ON THIS SHEET WITH APPLICABLE DATA AND CALCULATIONS.

** GPM TOTAL OF ALL CONNECTIONS TO THE DOMESTIC LINE.
*** GPM TOTAL OF ALL CONNECTIONS TO THE FIRE LINE.

UTILITY CRITERIA MANUAL WAIVER SUMMARY

WAIVER #	LINE	SHEET #	STATION(S)	WAIVER FOR	UCM #	JUSTIFICATION	AW SIGNATURE	DATE APPROVED
1	WATER	13	1+00.00	HORIZONTAL SEPARATION	2.9.1.B.2	THE ESTIMATED SEPARATION FROM THE PROPOSED MH TO THE EXISTING ELECTRIC LINE IS ___ (PROVIDE CURRENT SEPARATION.) WAIVER REQUESTED DUE TO... (PROVIDE ALTERNATIVE DESIGN AS NEEDED)		
EXAMPLE ROW								

METER NOTICE

METER NOTICE NOTES:

1. CHECK APPROPRIATE BOXES AND COMPLETE THE INFORMATION FOR METERS THAT WILL BE REQUIRED BY THIS PROJECT DESIGN.
2. FOR "LOOPED" PRIVATE WATER SYSTEMS THAT ARE UTILIZING MULTIPLE METERS, SERVICE UNITS WILL BE ASSESSED FOR ONLY ONE METER. THE SERVICE UNITS ASSESSED WILL BE CALCULATED USING TOTAL DOMESTIC DEMAND. REFERENCE AUSTIN WATER'S METER SIZING CHART (AWWA OPERATING CHARACTERISTICS FOR COLD WATER METERS) FOR FURTHER INFORMATION.
3. FOR WATER METERS THAT WILL HAVE NO WASTEWATER SERVICE ASSOCIATED WITH THEM, SPECIFY THE METER TYPE WITH THE INTENDED USE AND"WATER ONLY" DESIGNATION. "WATER ONLY" METER MAY INCLUDE OUTDOOR DRINKING FOUNTAINS, DECORATIVE FOUNTAINS, SWIMMING POOLS, ETC.
4. ADDRESSING FOR METERS IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD. FOLLOW 911 ADDRESSING LETTER GUIDELINES. ACCURATE ADDRESS REQUIRED FOR EACH METER PURCHASED.

POTABLE METER(S)

ADDRESS: 7601 PEARSON RANCH RD AUSTIN, TX 78717
☐ SOURCE AND USE: **POTABLE DOMESTIC**
METER TYPE:POSITIVE DISPLACEMENT
SIZE: 2" MAX GPM: 160
SERVICE UNITS: 8.0

ADDRESS:
☐ SOURCE AND USE: **COMBINATION POTABLE DOMESTIC & FIRE**
METER TYPE: **OMNI SENSUS FIRELINE METER**
SIZE: MAX GPM:
SERVICE UNITS:

ADDRESS:
☐ SOURCE AND USE: **IRRIGATION METER**
METER TYPE:
SIZE: MAX GPM:
SERVICE UNITS:

ADDRESS:
☐ SOURCE AND USE:
METER TYPE:
SIZE: MAX GPM:
SERVICE UNITS:

RECLAIMED METER(S)

ADDRESS:
☐ SOURCE AND USE: **RECLAIMED IRRIGATION**
METER TYPE:
SIZE: MAX GPM:
SERVICE UNITS: 0 (No service units assessed for reclaimed connections)

ADDRESS:
☐ SOURCE AND USE: **RECLAIMED DOMESTIC (Toilet flushing etc.)**
METER TYPE:
SIZE: MAX GPM:
SERVICE UNITS: 0 (No service units assessed for reclaimed connections)

ADDRESS:
☐ SOURCE AND USE:
METER TYPE:
SIZE: MAX GPM:
SERVICE UNITS:

POTABLE BACKUP TO OWRS (NP METERS)

ADDRESS:
☐ SOURCE AND USE: **POTABLE BACK-UP NP METER**
METER TYPE:
SIZE: MAX GPM:
SERVICE UNITS: 0 (No service units assessed for OWRS connections)

ADDRESS:
☐ SOURCE AND USE:
METER TYPE:
SIZE: MAX GPM:
SERVICE UNITS: 0 (No service units assessed for OWRS connections)

ADDITIONAL REVIEW ACKNOWLEDGEMENT

ONSITE WATER REUSE & AW RECLAIMED INFORMATION

DOES THIS DEVELOPMENT HAVE A TOTAL GROSS FLOOR BUILDING AREA OF 250,000 SQ.FT. OR MORE.
☐ YES
☒ NO

DISTANCE TO NEAREST EXISTING AW RECLAIMED MAIN?
☐ 250' OR LESS
☐ 251' TO 500'
☒ GREATER THAN 500'

AUTOMATED METERING INFORMATION

IS THIS PROJECT WITHIN THE CURRENT SERVICE AREA OF AWs DATA COLLECTION UNIT (DCUs), (REFER TO AUTOMATED METERING INFRASTRUCTURE NOTE UNDER GENERAL NOTES, FOR CLARIFICATION)
☒ YES
☐ NO

DOES THIS PROJECT REQUIRE A DEDICATED EASEMENT FOR DCU INFRASTRUCTURE?
☐ YES
☒ NO

AULCC REQUIREMENT

DOES THIS PROJECT REQUIRE AULCC REVIEW? (>300 LF OF W/WW PIPING IN ROW)
☐ YES
☒ NO
IF YES, PLEASE PROVIDE UCC#_____

BUILDING WATER METER SIZE TABLE

BUILDING NUMBER	FIXTURE UNITS	FLOW (GPM)	METER SIZE (IN)

BUILDING	WSFU	GPM
EXISTING		
PROPOSED		
TOTAL		

NOTE: PROVIDE SIZE OF EXISTING METER AND MAX GPM PER AWWA METER SIZING TABLE

AW EXPIRATION STAMP
THREE YEARS FROM THE DATE OF SIGN-OFF

AUSTIN WATER REVIEW BLOCK

NOTE: DO NOT REMOVE THE TITLE BLOCK

AUSTIN WATER GENERAL INFORMATION CONSTRUCTION NOTES FOR COMMERCIAL SITES AND SUBDIVISION PLANS

CITY OF AUSTIN
AUSTIN WATER
FEBRUARY 7, 2025

VERSION 2.0
STANDARD NO. 1 OF 2

AUSTIN WATER UTILITY NOTES

SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL
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ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
Civil Engineering
www.hendersonpe.com
WBE210166 | HUB 18538738465300

No.	REVISION
1	
2	
3	
4	
5	

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

C01.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 GENERAL NOTES.dwg

SERVICE EXTENSION REQUESTS

WASTEWATER SERVICE NO. SER-2869R

WATER AND WASTEWATER SERVICE EXTENSION REQUEST FOR CONSIDERATION

Name: Pearson Ranch (Revised) | Service Requested: Water

SER-2869r | Hansen Service Request Number 388315 | Date Received: 12/28/2009

Location: N PM 620 RD AUSTIN TX 78736- PEARSON RANCH

Acres: 395 | Land Use: MIXED

AA Utility Service or S.E.R. Number: *City of Austin WW SER-2870*

Quad(s): 1040 1041 1042 J42 J41 J40 | DDZ: YES

Drainage Basin: LAKE CREEK | Pressure Zone: NORTHWEST B | DWPZ: NO

Flow: (Estimated Peak Hour Flow, Gallons per Minute) 3397 GPM | % Within City Limits: 0

Cost Participation: $2,070,300.00 | % Within Limited Purpose: 0

Description of Improvements:

Phase One
Applicant will construct approximately 4,500 feet of oversized 24-inch water line from the existing 24-inch Northwest B Pressure Zone water line (Project No. 2005-0029) in Avery Ranch Boulevard, south through the subject tract within the proposed Pearson Ranch Road right-of-way to the Nesmith Avenue intersection. Applicant will also construct approximately 600 feet of 8-inch water line within proposed Banks Drive right-of-way from the proposed oversized 24-inch water line to the western property boundary of the subject tract and construct a 12-inch water stub from the proposed oversized 24-inch water line within the Nesmith Avenue intersection to the western property boundary of the subject tract. The 8 and 12-inch water lines will connect to the water line improvements proposed under the Pearson Place Sections 1-5.

Phase Two
Applicant will construct approximately 2,100 feet of oversized 24-inch water line from the oversized 24-inch Northwest B Pressure Zone water improvements constructed under Phase One within Pearson Ranch Road at Nesmith Avenue south through the subject tract within the proposed Pearson Ranch Road right-of-way (across the proposed high school property). Phase Two water improvements will provide service for the proposed high school. A "looped" water system must be in place prior to the high school connecting to the proposed water system (vis the connections to the proposed water line improvements proposed under the Pearson Place Sections 1-5 (SER-2833) and described in Phase One of this SER or the improvements describe in Phase Three of this SER).

Phase Three
Applicant will construct approximately 2,600 feet of oversized 24-inch water line from the oversized 24-inch Northwest B Pressure Zone water improvements constructed under Phase Two within Pearson Ranch Road south through the subject tract within the proposed Pearson Ranch Road right-of-way to F.M. 620/State Highway 45. Applicant will also construct approximately 7,000 feet of 16-inch water line in the service road of State Highway 45 from the oversized 24-inch water line at the subject tract west to the 16-inch Northwest B Pressure Zone water line (Project 97-0020) in West Parmer Lane at State Highway 45.

NOTE: 1) Fire Flow Requirement of 7,125 gpm based on Engineering Report provided by Elias G. Haddad, P.E. on July 17, 2009. 2) Applicant shall install Pressure Reducing Valves (PRV) in the property owner's side of the meter per the City of Austin Code.

Completion and acceptance of the improvements described above and the conditions set forth below:
1)Conversion of all Service Extensions are subject to all environmental and planning ordinances.
2)Service Extensions are subject to the guidelines established in the Land Development Code, Section 25-9, Water and Wastewater Utility Service.
3)The level of service approved by this document does not imply commitment for land use.
4)The proposed wastewater improvements must be platted in the public right-of-way or approved wastewater easements.
5)The proposed offsite water improvements placed within public right-of-way or approved Utility Easement will be dedicated to The City of Austin for ownership, operation, and maintenance.
6)The proposed offsite water improvements must be placed in the public right-of-way or an approved Utility Easement. Utility Easements must be in place prior to Construction Plan approval.
7) Engineering Summary and Conceptual Layout shall be submitted (two copies) prior to initiation of design in Utility Development Services detailing the proposed water improvements.
8)The approved Service Extension will automatically expire 120-days after approval unless a development application has been accepted by the Planning and Development Review Department and the date the development expires, or if approved, on the date the development application approval expires.
9) Approval by the City Council will be required should the applicant seek cost participation/reimbursement for required oversized water improvements.

Prepared By Utility Development Services — Date 2/9/10
Division Manager, Utility Development Services — P.E. — Date 2/9/10
Assistant Director, Water Resources Management — Date 2-22-10
Director, Austin Water Utility — Date 2/25/10

WASTEWATER SERVICE NO. SER-2870R

WATER AND WASTEWATER SERVICE EXTENSION REQUEST FOR CONSIDERATION

Name: Pearson Ranch (Revised) | Service Requested: Wastewater

SER-2870r | Hansen Service Request Number 388316 | Date Received: 12/28/2009

Location: N PM 620 RD AUSTIN TX 78736- PEARSON RANCH

Acres: 395 | Land Use: MIXED

AA Utility Service or S.E.R. Number: *City of Austin Water SER-2869*

Quad(s): 1040 1041 1042 J42 J41 J40 | DDZ: YES

Drainage Basin: LAKE CREEK/BRUSHY CREEK | Pressure Zone: NORTHWEST B | DWPZ: NO

Flow: (Estimated Peak Wet Weather Flow, Gallons per Minute) 1063 GPM | % Within City Limits: 0

Cost Participation: $2,059,967.40 | % Within Limited Purpose: 0

Description of Improvements:
Brushy Creek Drainage Basin: Applicant will construct approximately sixteen gravity wastewater lines within the portion of the subject tract within the Brushy Creek Drainage Basin and connect to the existing 15-inch gravity wastewater line in Avery Ranch Blvd (Project No. 2004-0025, Manhole ID# 3023025).

NOTE: Portion of subject tract to be served by the proposed wastewater improvements described above is limited to the northern portion of the tract within the Brushy Creek Drainage Basin and approximately 170 acres/5146 Lues/351 gpm peak wet weather flow.

Lake Creek Drainage Basin Initial Wastewater Improvements: Applicant will construct approximately 1,800 feet of oversized 24-inch gravity wastewater line (the 24-inch should be designed with a minimum slope of 0.15% or higher to meet the required designed flow, allowing for future extension upstream to relieve the existing Davis Springs Lift Station and downstream to traverse under State Highway 45, and pass the appropriate depth below the flow line of the Davis Springs Creek crossings as established by Watershed Protection Department) from a point within the subject tract near the southeast corner of the tract, south paralleling and outside of the Critical Water Quality Zone of Davis Springs Creek to a proposed oversized City of Austin lift station, to be constructed by applicant. This proposed oversized 24-inch gravity wastewater line will be designed to flow by gravity to the proposed lift station. Applicant will also construct approximately 2,300 feet of approximately sized gravity wastewater line from the southeast property corner at the frontage road of State Highway 45 west to the above mentioned proposed oversized City of Austin lift station. Applicant will construct this appropriately sized City of Austin lift station to serve the southern portion of the subject tract and the proposed Ultimate Wastewater Improvements (to be constructed by the City of Austin or others) will be designed to flow by gravity to the lift station. The lift station will also be oversized to accommodate the construction of a larger lift station capable of providing wastewater service for the Davis Springs drainage sub-basin. From the proposed oversized City of Austin lift station, the Applicant will construct approximately 3,200 feet of appropriately sized force main, west along the right-of-way of State Highway 45 to an appropriately sized wastewater easement in the hills north near the Austin and Northwestern Railroad, and then southeast west and north for approximately 1,500 feet with an oversized 15-inch gravity wastewater line (minimum slope of 0.8%) to the existing 18-inch gravity wastewater line (easement will also need to be sized to accommodate an additional future force main along State Highway 45).

Ultimate Wastewater Improvements (to be constructed by the City of Austin or others): In the future, the City of Austin or others will need to upsize the lift station constructed under the Initial Wastewater Improvements by the Applicant, or construct a new lift station with additional capacity (that will serve the entire upstream portion of the drainage basin) on the unused portion of the lift station/site dedicated by the Applicant under the Initial Wastewater Improvements. The Ultimate Wastewater Improvements will also include: (1)the construction of a 24-inch gravity wastewater line from the northern end of the 24-inch constructed under the Initial Wastewater Improvements, west to the existing 21 inch gravity wastewater lines that currently discharge to the existing Davis Springs Lift Station. Appropriately sized easements shall be dedicated by Applicant to allow for this 24-inch wastewater line.

NOTE: Portion of subject tract to be served by the proposed wastewater improvements described above is limited to the southern portion of the tract within the Lake Creek Drainage Basin and approximately 220 acres/877 Lues/222 gpm peak wet weather flow. Applicant is 100% of the capacity of the proposed lift station and force main.

NOTE: Wastewater Flow based on Engineering Report provided by Elias G. Haddad, P.E. on July 17, 2009.

Completion and acceptance of the improvements described above and the conditions set forth below:
1)Conversion of all Service Extensions are subject to all environmental and planning ordinances.
2)Service Extensions are subject to the guidelines established in the Land Development Code, Section 25-9, Water and Wastewater Utility Service.
3)The level of service approved by this document does not imply commitment for land use.
4)The proposed wastewater improvements must be platted in the public right-of-way or approved wastewater easements. Wastewater easements must be in place prior to construction plan approval.
5) Engineering Summary and Conceptual Layout shall be submitted (three copies) prior to initiation of design in Utility Development Services detailing the proposed wastewater improvements.
6)The approved Service Extension will automatically expire 120 days after date of approval unless a development application has been accepted by the Planning and Development Review Department. The Service Extension expires on the date the development expires, or if approved, on the date the development application approval expires.
8) Approval by the City Council will be required should the applicant seek cost participation/ reimbursement for required oversized wastewater improvements.

Prepared By Utility Development Services — Date 2/9/10
Division Manager, Utility Development Services — P.E. — Date 2/9/10
Assistant Director, Water Resources Management — Date 2-22-10
Director, Austin Water Utility — Date 2/25/10

FIRE FLOW TEST DATA

AUSTIN FIRE DEPARTMENT
FIRE PREVENTION DIVISION
6310 Wilhelmina Delco Dr., Austin, Texas 78752
afd.hydrants@austintexas.gov

Hydrant Flow Test Report

TEST DATE	10/15/2025	FIRE BOX	SB-3412	COMPANY	PREVENTION
TIME	1206 HRS	MAP GRID ID	J41	AFD STAFF	NIXON, KAS

RESIDUAL HYDRANT

RESIDUAL HYDRANT #	651602	MAIN SIZE (in.)	24

BLK #	DIRECTION	STREET NAME	TYPE
7900		PEARSON RANCH	DR

STATIC PRESSURE (PSI)	104	RESIDUAL PRESSURE (PSI)	102

FLOW HYDRANT

FLOW HYDRANT #	874470	MAIN SIZE (in.)	24

BLK #	DIRECTION	STREET NAME	TYPE
7900		PEARSON RANCH	DR

STATIC PRESSURE (PSI)	105	RESIDUAL PRESSURE (PSI)	103

Comments

dc = discharge coefficient straight 2½" butt = 0.9 w/ 45° elbow = 0.75	0.9
FLOW RATE (GPM) =	1703

NOTE: This information represents the water supply characteristics in the immediate area on the date and time tested. The City of Austin does not guarantee this data will be representative of the water supply characteristics at any time in the future. It is the requesting party's responsibility to ensure that this test information is appropriate to the location of the project in question and that any differences in elevation between the test location and project are accounted for and included in the hydraulic calculations.

HFTR #1897062

FIRE FLOW MAP

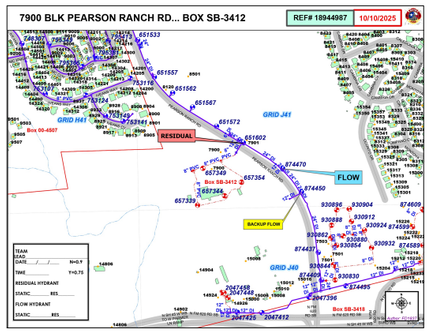

TABLE 610.3

Austin Water — Reclaimed Water and Onsite Water Reuse System Meter Demand Sheet

Site Plan Case Number: | Project Address:

Step 1. Fill out the Total Number of Fixtures column for your project and indicate the Water Supply Type in the table to get a total water supply fixture unit count by supply type (potable vs. non-potable).

Fixture Type		Total Number of Fixtures	Water Supply Fixture Units (WSFU) hot and cold		Total WSFU	Water Supply Type
Bathtub or Combination Bath/Shower			x 4.0	=	0.0	Potable
Bathtub with 3/4" fill valve			x 10.0	=	0.0	Potable
Bidet			x 1.0	=	0.0	Potable
Clothes Washer			x 4.0	=	0.0	Non-potable
Dishwasher, domestic			x 1.5	=	0.0	Potable
Drinking Fountain or Water Cooler			x 0.5	=	0.0	Potable
Lavatory			x 1.0	=	0.0	Potable
Sinks						
Bar	Public		x 2.0	=	0.0	Potable
	Private		x 1.0	=	0.0	Potable
Kitchen, domestic			x 1.5	=	0.0	Potable
Laundry			x 1.5	=	0.0	Potable
Service or mop basin	Public		x 3.0	=	0.0	Potable
	Private		x 1.5	=	0.0	Potable
Washup basin			x 2.0	=	0.0	Potable
Shower, per head			x 3.0	=	0.0	Potable
Urinal, 1.0 GPF flushometer valve			x 20,15,10,8,5	=	0.0	Non-potable
Water Closet, 1.6 GPF	Flushometer Valve		x 40,30,20,15,10	=	0.0	Non-potable
	Tank Type		x 2.5	=	0.0	Non-potable
First Hose Bibb			x 2.5	=	0.0	Potable
Hose Bibb, each additional			x 1.0	=	0.0	Potable
			x	=	0.0	
			x	=	0.0	
			x	=	0.0	
			x	=	0.0	
			Total Fixture Units (WSFU)		**0.0**	**Potable**
			Total Fixture Units (WSFU)		**0.0**	**Non-potable**

Step 2. Convert WSFU to gpm for each supply type using Chart A 103.1 from the 2021 UPC.

Potable WSFU	=	0.0	->	gpm
Non-potable WSFU	=	0.0	->	gpm

Step 3. Specify additional peak demands from water use by supply type (select Supply Type).

Additional Water Use	Peak Demand	Flow Rate	Supply Type
Process water or special use water		gpm	Non-potable
Cooling tower makeup water		gpm	Non-potable
Irrigation system		gpm	Non-potable

Step 4. Select the type of non-potable water supply system to add the demands for each required meter (select Yes or No).

Reclaimed Water System: | *OR* | Onsite Water Reuse System: / Applying for OWRS fee in lieu:

Required Meter Types	GPM
Domestic potable water meter	0
Domestic reclaimed water meter	0
Irrigation reclaimed water meter	0

Required Meter Types	GPM
Domestic potable water meter	0
Non-potable water backup meter	0
Reclaimed main size needed for OWRS fee in lieu	NA

Step 5. Please email complete sheet to AW_ONSITEREUSE@austintexas.gov for approval
Step 6. Determine the appropriate sized meters to meet the demands and add them to the Meter Notice Table on the AW Standard Notes sheet along with a printout of this sheet.

Austin Water Staff Review
Signature: Date:
Type of Service/Rate: Type of Service/Rate:
(SP) O Mandatory O Non-mandatory
(SA) O Residential O Commercial O City of Austin O Parkland Fee in lieu $ NA

For Utility Permitting Office, reach out to AW_onsite-reuse@austintexas.gov for SA and SP info at time of meter purchase

OBTAIN COPY OF RECLAIMED WATER AND ONSITE WATER REUSE SYSTEM METER DEMAND SHEET TEMPLATE FROM PIPELINE ENGINEERING WEBSITE:
https://www.austintexas.gov/page/pipeline-engineering
UNDER CHECKLISTS AND GENERAL CONSTRUCTION NOTES.

PURPOSE:
THIS SPREADSHEET IS REQUIRED TO BE FILLED OUT FOR SITE PLAN APPLICATIONS THAT ARE SUBJECT TO THE RECLAIMED WATER CONNECTION REQUIREMENTS AND ONSITE WATER REUSE SYSTEM REQUIREMENTS IN SECTION 25-9 OF THE LAND DEVELOPMENT CODE. WHILE NOT REQUIRED FOR OTHER PROJECTS, IT MAY BE FILLED OUT AND SUBMITTED WITH A SITE PLAN APPLICATION TO HELP CALCULATE WATER SUPPLY FIXTURE UNITS AND WATER DEMANDS FOR A PROJECT.

NOTES:
1. **TABLE 610.3 MUST BE USED FOR PROJECTS WITH FEWER THAN 10 TOILETS/URINALS THAT HAVE FLUSHOMETER VALVES. PROJECTS WITH 10 OR MORE TOILETS/URINALS WITH FLUSHOMTER VALVES MAY USE EITHER 610.3 OR TABLE A 103.1.**
2. **THESE TABLE ARE FROM THE 2021 VERSION OF THE UNIFORM PLUMBING CODE, BUT HAVE BEEN MODIFIED SLIGHTLY FOR EASE OF USE.**
3. **THIS CALCULATOR ASSUMES PROJECTS USING NON-POTABLE WATER FOR CLOTHES WASHING WILL HAVE A SINGLE COLD NON-POTABLE SUPPLY LINE THAT BRANCHES OFF TO AN ON-DEMAND/TANKLESS WATER HEATER FOR EACH CLOTHES WASHER. HAVING A HOT POTABLE SUPPLY LINE ENTER THE WASHING MACHINE FROM A WATER HEATER SUPPLYING OTHER POTABLE FIXTURE CREATES A POTENTIAL FOR BACKFLOW AND CONTAMINATION OF A BUILDING'S POTABLE WATER SUPPLY. SEE THE SCHEMATIC BELOW OF A SINGLE NON-POTABLE SUPPLY LINE TO TOILETS AND CLOTHES WASHERS.**

TABLE 103.1

Austin Water — Reclaimed Water and Onsite Water Reuse System Meter Demand Sheet

Site Plan Case Number: | Project Address:

Step 1. Fill out the Total Number of Fixtures column for your project and indicate the Water Supply Type in the table to get a total water supply fixture unit count by supply type (potable vs. non-potable).

Fixture Type		Total Number of Fixtures	Water Supply Fixture Units (WSFU) hot and cold		Total WSFU	Water Supply Type
Bathtub or Combination Bath/Shower			x 4.0	=	0.0	Potable
Bathtub with 3/4" fill valve			x 10.0	=	0.0	Potable
Bidet			x 1.0	=	0.0	Potable
Clothes Washer			x 4.0	=	0.0	Non-potable
Dishwasher, domestic			x 1.5	=	0.0	Potable
Drinking Fountain or Water Cooler			x 0.5	=	0.0	Potable
Lavatory			x 1.0	=	0.0	Potable
Sinks						
Bar	Public		x 2.0	=	0.0	Potable
	Private		x 1.0	=	0.0	Potable
Kitchen, domestic			x 1.5	=	0.0	Potable
Laundry			x 1.5	=	0.0	Potable
Service or mop basin	Public		x 3.0	=	0.0	Potable
	Private		x 1.5	=	0.0	Potable
Washup basin			x 2.0	=	0.0	Potable
Shower, per head			x 2.0	=	0.0	Potable
Urinal, 1.0 GPF flushometer valve			x 4.0	=	0.0	Non-potable
Water Closet, 1.6 GPF	Flushometer Valve		x 5.0	=	0.0	Non-potable
	Tank Type		x 2.5	=	0.0	Non-potable
First Hose Bibb			x 2.5	=	0.0	Potable
Hose Bibb, each additional			x 1.0	=	0.0	Potable
			x	=	0.0	
			x	=	0.0	
			x	=	0.0	
			x	=	0.0	
			Total Fixture Units (WSFU)		**0.0**	**Potable**
			Total Fixture Units (WSFU)		**0.0**	**Non-potable**

Step 2. Convert WSFU to gpm for each supply type using Chart A 103.1 from the 2021 UPC.

Potable WSFU	=	0.0	->	gpm
Non-potable WSFU	=	0.0	->	gpm

Step 3. Specify additional peak demands from water use by supply type (select Supply Type).

Additional Water Use	Peak Demand	Flow Rate	Supply Type
Process water or special use water		gpm	Non-potable
Cooling tower makeup water		gpm	Non-potable
Irrigation system		gpm	Non-potable

Step 4. Select the type of non-potable water supply system to add the demands for each required meter (select Yes or No).

Reclaimed Water System: | *OR* | Onsite Water Reuse System: / Applying for OWRS fee in lieu:

Required Meter Types	GPM
Domestic potable water meter	0
Domestic reclaimed water meter	0
Irrigation reclaimed water meter	0

Required Meter Types	GPM
Domestic potable water meter	0
Non-potable water backup meter	0
Reclaimed main size needed for OWRS fee in lieu	FALSE

Step 5. Please email complete sheet to AW_ONSITEREUSE@austintexas.gov for approval
Step 6. Determine the appropriate sized meters to meet the demands and add them to the Meter Notice Table on the AW Standard Notes sheet along with a printout of this sheet.

Austin Water Staff Review
Signature: Date:
Type of Service/Rate: Type of Service/Rate:
(SP) O Mandatory O Non-mandatory
(SA) O Residential O Commercial O City of Austin O Parkland Fee in lieu $ -

OBTAIN COPY OF RECLAIMED WATER AND ONSITE WATER REUSE SYSTEM METER DEMAND SHEET TEMPLATE FROM PIPELINE ENGINEERING WEBSITE:
https://www.austintexas.gov/page/pipeline-engineering
UNDER CHECKLISTS AND GENERAL CONSTRUCTION NOTES.

NOTE: DO NOT REMOVE THE TITLE BLOCK

AUSTIN WATER REVIEW BLOCK

AW EXPIRATION STAMP

THREE YEARS FROM THE DATE OF SIGN-OFF

AUSTIN WATER GENERAL INFORMATION
CONSTRUCTION NOTES FOR COMMERCIAL SITES AND SUBDIVISION PLANS

CITY OF AUSTIN
AUSTIN WATER
FEBRUARY 7, 2025

VERSION 2.0
STANDARD NO. 2 OF 2

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

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ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
Civil Engineering
WBE210166 | HUB 1853873845300

No.	REVISION
1	
2	
3	
4	
5	

SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

AUSTIN WATER UTILITY NOTES

STATE OF TEXAS
JENNIFER L HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

C01.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 GENERAL NOTES.dwg

LEGEND

EXISTING WROUGHT IRON FENCE

EXISTING CHAIN LINK FENCE

EXISTING WIRE FENCE

EXISTING WOOD FENCE

EX OE — EXISTING OVERHEAD ELECTRIC LINE

EX UE — EXISTING UNDERGROUND ELECTRIC LINE

EX FOC — EXISTING FIBER OPTIC LINE

EX GAS — EXISTING GAS LINE

EX WW — EXISTING WASTEWATER LINE
(THICKNESS INDICATES INNER PIPE DIAMETER)

EX SD — EXISTING STORM SEWER LINE
(THICKNESS INDICATES INNER PIPE DIAMETER)

EX OT — EXISTING OVERHEAD TELEPHONE LINE

EX UT — EXISTING UNDERGROUND TELEPHONE LINE

EX W — EXISTING WATER LINE
(THICKNESS INDICATES INNER PIPE DIAMETER)

599 / 600 — EXISTING CONTOURS,
WITH ELEVATION LABELED

EXISTING CURB AND GUTTER

EXISTING WASTEWATER MANHOLE
(DRAWN TO SCALE)

EX. CO — EXISTING WASTEWATER CLEANOUT

D — EXISTING STORM SEWER MANHOLE

D — EXISTING CURB INLET

EXISTING FDC

EXISTING FIRE HYDRANT

EXISTING GATE VALVE

EXISTING LIGHT POLE

TAG / TAG — EXISTING TREES / HERITAGE TREES
(SIZE ADJUSTED PER TREE)
TAG REFERS TO TREE SURVEY DATA TABLE

WM — EXISTING WATER METER

W — EXISTING WATER WELL

EXISTING HOSE BIB/FAUCET

EXISTING UTILITY POLE

SIGN TEXT — EXISTING SIGN (TEXT VARIES)

T — EXISTING TELEPHONE RISER

CATV — EXISTING CABLE/TV BOX

GM — EXISTING GAS METER

PB — EXISTING PULL BOX

E — EXISTING ELECTRIC METER

EXISTING GUY WIRE

MB — EXISTING MAILBOX

FOUND PIN

SET PIN

W — NEW WATER LINE

NEW WASTEWATER LINE (WIDTH REPRESENTS PIPE O.D.)

NEW STORM SEWER LINE (WIDTH REPRESENTS PIPE O.D.)

NEW WROUGHT IRON FENCE

NEW CHAIN LINK FENCE

NEW WIRE FENCE

NEW WOOD FENCE

NEW CURB AND GUTTER

LOC — LIMITS OF CONSTRUCTION

ADA — ACCESSIBLE ROUTE

NEW WASTEWATER MANHOLE
(DRAWN TO SCALE)

NEW WASTEWATER CLEANOUT

NEW GATE VALVE

NEW LIGHT POLE

NEW FIRE DEPARTMENT CONNECTION

NEW FIRE HYDRANT

NEW GRATE INLET

8 — PARKING LABEL

512 — PROPOSED CONTOUR

ABBREVIATIONS LEGEND

EX.	EXISTING
O.C.E.W.	ON CENTER, EACH WAY
TYP.	TYPICAL
APPROX.	APPROXIMATE
O.P.R.W.C.	OFFICIAL PUBLIC RECORDS WILLIAMSON COUNTY
O.P.R.T.C.	OFFICIAL PUBLIC RECORDS TRAVIS COUNTY
D.R.W.C.T.	DEED RECORDS WILLIAMSON COUNTY TEXAS
A.D.A.	AMERICANS WITH DISABILITIES ACT
O.D.	OUTSIDE DIAMETER (PIPE)
R.O.W.	RIGHT-OF-WAY
DOC. NO.	DOCUMENT NUMBER
VOL/PG.	VOLUME/PAGE
A.D.T.	AVERAGE DAILY TRAFFIC
M.P.H.	MILES PER HOUR
AC.	ACRE
SQ. FT.	SQUARE FEET
L.F.	LINEAR FEET

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SITE DEVELOPMENT PLANS
TO SERVE

REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

LEGEND AND ABBREVIATIONS

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C01.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 LEGEND AND ABBREVIATIONS.dwg

Doc. #2013086487

PEARSON RANCH SECTION TWO

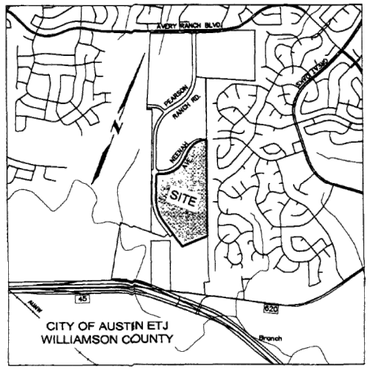
GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 inch = 100ft.

LAND-USE SUMMARY

USE	LOTS	NO. LOTS	ACRES
SCHOOL	LOT 1, BLOCK D	1	84.512
ROADWAYS	—	—	5.454
TOTALS	—	1	89.966

PUBLIC STREET SUMMARY

STREET NAME	CLASSIFICATION	LENGTH (LF)
PEARSON RANCH ROAD	MAJOR ARTERIAL DIVIDED-4	393'
NEENAH AVE.	TRANSITION	1,797'



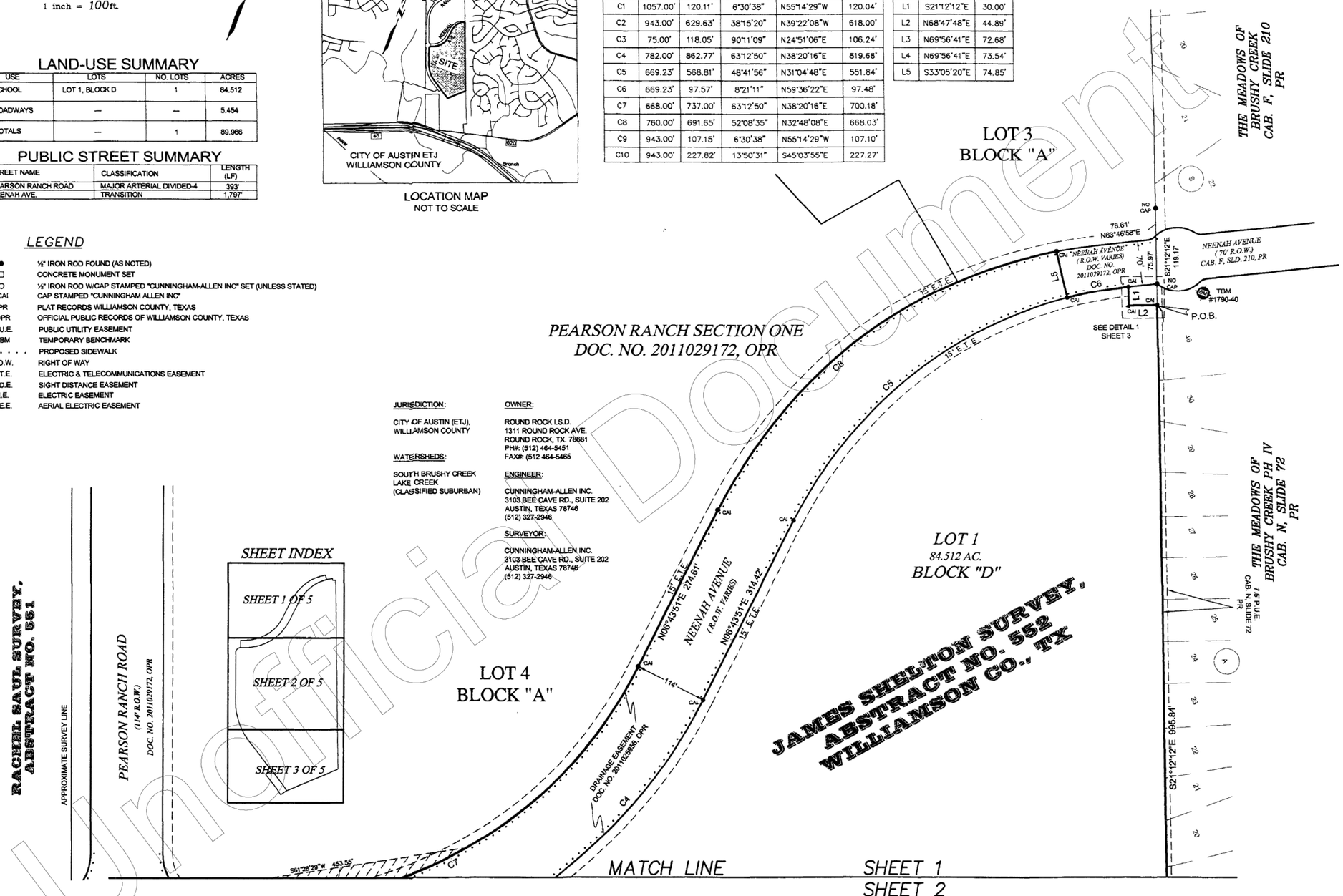
LOCATION MAP
NOT TO SCALE

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BRG.	CHORD
C1	1057.00'	120.11'	6°30'38"	N55°14'29"W	120.04'
C2	943.00'	629.63'	38°15'20"	N39°22'08"W	618.00'
C3	75.00'	118.05'	90°11'09"	N24°51'06"E	106.24'
C4	782.00'	862.77'	63°12'50"	N38°20'16"E	819.68'
C5	669.23'	568.81'	48°41'56"	N31°04'48"E	551.84'
C6	669.23'	97.57'	8°21'11"	N59°36'22"E	97.48'
C7	668.00'	737.00'	63°12'50"	N38°20'16"E	700.18'
C8	760.00'	691.65'	52°08'35"	N32°48'08"E	668.03'
C9	943.00'	107.15'	6°30'38"	N55°14'29"W	107.10'
C10	943.00'	227.82'	13°50'31"	S45°03'55"E	227.27'

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S21°12'12"E	30.00'
L2	N68°47'48"E	44.89'
L3	N69°56'41"E	72.68'
L4	N69°56'41"E	73.54'
L5	S33°05'20"E	74.85'

LEGEND

●	½" IRON ROD FOUND (AS NOTED)
□	CONCRETE MONUMENT SET
○	½" IRON ROD W/CAP STAMPED "CUNNINGHAM-ALLEN INC" SET (UNLESS STATED)
CAI	CAP STAMPED "CUNNINGHAM ALLEN INC"
PR	PLAT RECORDS WILLIAMSON COUNTY, TEXAS
OPR	OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS
P.U.E.	PUBLIC UTILITY EASEMENT
TBM	TEMPORARY BENCHMARK
. . . . .	PROPOSED SIDEWALK
R.O.W.	RIGHT OF WAY
E.T.E.	ELECTRIC & TELECOMMUNICATIONS EASEMENT
S.D.E.	SIGHT DISTANCE EASEMENT
E.E.	ELECTRIC EASEMENT
A.E.E.	AERIAL ELECTRIC EASEMENT



JURISDICTION:
CITY OF AUSTIN (ETJ), WILLIAMSON COUNTY

WATERSHEDS:
SOUTH BRUSHY CREEK
LAKE CREEK
(CLASSIFIED SUBURBAN)

OWNER:
ROUND ROCK I.S.D.
1311 ROUND ROCK AVE.
ROUND ROCK, TX. 78681
PH#: (512) 464-5451
FAX#: (512 464-5465

ENGINEER:
CUNNINGHAM-ALLEN INC.
3103 BEE CAVE RD., SUITE 202
AUSTIN, TEXAS 78746
(512) 327-2946

SURVEYOR:
CUNNINGHAM-ALLEN INC.
3103 BEE CAVE RD., SUITE 202
AUSTIN, TEXAS 78746
(512) 327-2946

C8J- 2010-0058.2AX
SUBMITTAL DATE: 04/10/2013

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Austin, Texas 78746-6819 Fax: (512) 327-2973
www.cunningham-allen.com
TBPE REG. NO. F-284

DATE: JUNE 2012	PROJECT NO.: 057.5605
DRAWN BY: tpw	SHEET 1 OF 5

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SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

PLAT

JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C02.01

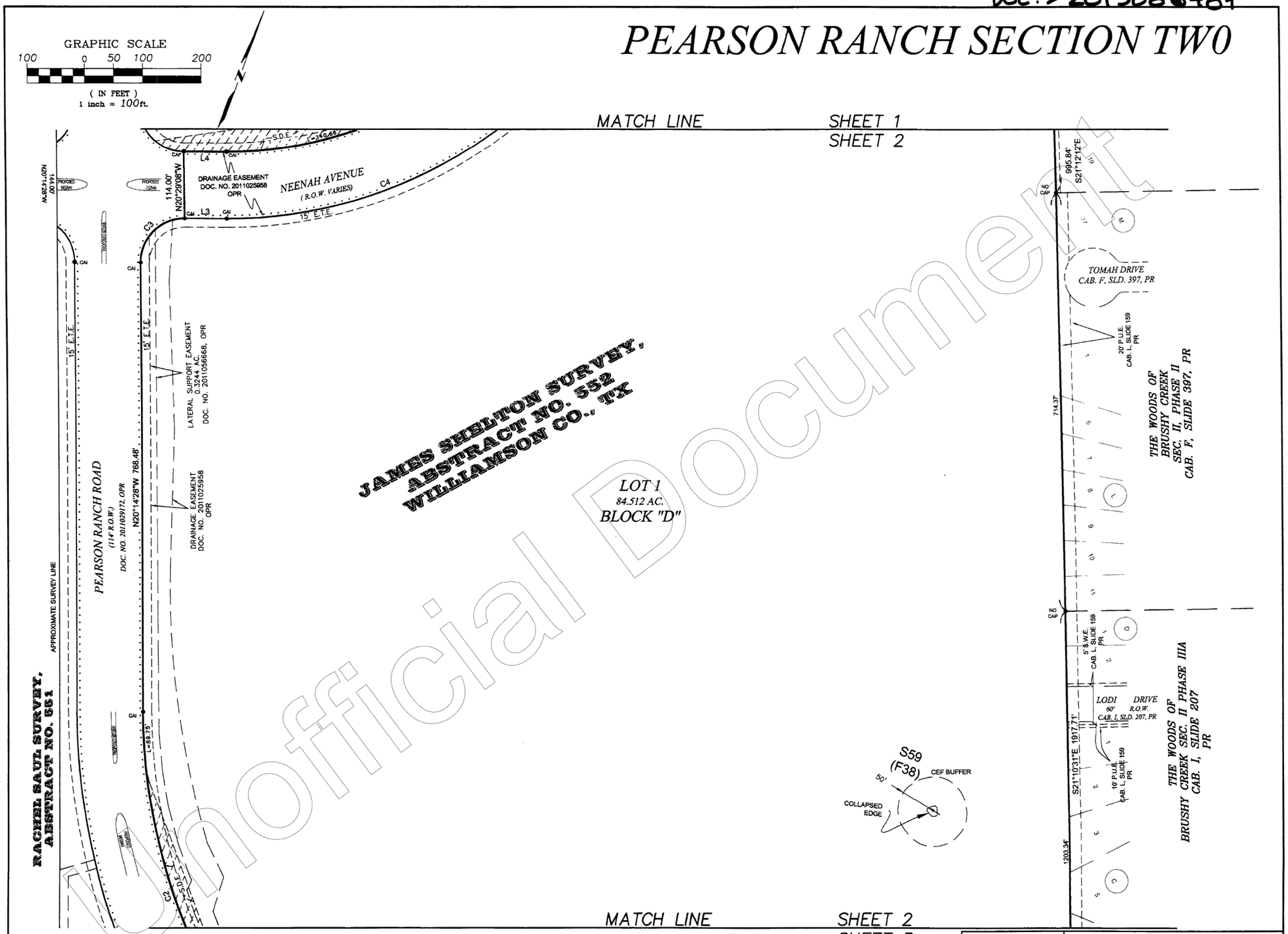
Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 PLAT.dwg

Drawing Path: S:\0575605 RRISD Pearson New HS_Drawings\0575605_PEARSON RANCH SECTION TWO FINAL PLAT.dwg Plotted By: Tom Watkins Date: 7/31/2013 1:13:41 PM Layout: SHT1

COUNTY PROJECT NUMBER: 2025-1563-COC

Doc. #2013086487

PEARSON RANCH SECTION TWO



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SUBMITTAL DATE: 04/10/2013

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DATE: JUNE 2012	PROJECT NO.: 057.5605
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SITE DEVELOPMENT PLANS
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PLAT

STATE OF TEXAS
JENNIFER L. HENDERSON
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03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C02.02

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 PLAT.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC

DOC.#2013086487

PEARSON RANCH SECTION TWO

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 inch = 100ft.

MATCH LINE — SHEET 2 / SHEET 3

RACHEL SAUL SURVEY, ABSTRACT NO. 551

JAMES SHELTON SURVEY, ABSTRACT NO. 552 WILLIAMSON CO., TX

THE WOODS OF BRUSHY CREEK SEC. II PHASE IIIA CAB. I, SLIDE 207 PR

15' WASTEWATER EASEMENT DOC. NO. 2011044507 OPR

15' E.T.E.

PEARSON RANCH ROAD (114' R.O.W.) DOC. NO. 2011029172 OPR

LATERAL SUPPORT EASEMENT 0.3544 AC. DOC. NO. 2011056668, OPR

DRAINAGE EASEMENT DOC. NO.2011029956, OPR

LOT 1
BLOCK "C"
5.585 AC.
DRAINAGE EASEMENT

PEARSON RANCH SECTION ONE
DOC. NO. 2011029172, OPR

APPROXIMATE SURVEY LINE

RRISD WEST TRANSPORTATION FACILITY
DOC. NO. 2011085804, OPR

WASTEWATER EASEMENT DOC. NO. 2011075171 OPR

N58°29'46"W 160.71'

N31°30'12"E 114.00'

N58°29'46"W 279.81'

S46°57'43"W 867.81'

LOT 1
84.512 AC.
BLOCK "D"

LOT 1
27.561 AC.
BLOCK "A"

S70 (F48)
S8 (F44)
COLLAPSED EDGE
CEF BUFFER
300'
100'
110'
170'
95'
TCEQ #1
TCEQ #2
50'

S21°10'31"E 1917.71'
S21°10'31"E 288.38'
20' P.U.E. CAB. I, SLIDE 159 PR

S38°00'49"W 114.00'

N=10,148,790.9
E=311,342.5

TBM #1792-15

(19.935 AC.)
ENGLAND RANCH SE LP
DOC. NO. 2012078046, OPR

DRAINAGE EASEMENT
DOC. NO. 2011007024, OPR

REMAINDER OF ROUND ROCK ISD (10.145 AC.) DOC. NO. 2011007024, OPR

C10 15' E.T.E.

DETAIL 1
NOT TO SCALE

MEMORANDUM OF LEASE AGREEMENT
ENGLAND / PRIMECO
PERSONAL COMMUNICATIONS
DOC. NO. 9650213, OR

UNISON
WIRELESS COMMUNICATION EASEMENT
AND ASSIGNMENT AGREEMENT
DOC. NO. 2010046284
OPR

N21°12'21"W 76.96'
N21°12'21"W 33.94'
NO CAP
P.O.B.

C8J- 2010-0058.2AX
SUBMITTAL DATE: 04/10/203

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DATE: JUNE 2012 | PROJECT NO.: 057.5805
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SITE DEVELOPMENT PLANS TO SERVE
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AUSTIN, TX 78717

PLAT

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

C02.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Doc.#2013086487

PEARSON RANCH SECTION TWO

GENERAL NOTES:

1. NO PORTION OF THIS TRACT IS WITHIN THE DESIGNATED FLOOD HAZARD AREA AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) #48491C 0610E WILLIAMSON COUNTY, TEXAS, REVISED ON SEPTEMBER 26, 2008, AND UPDATED FROM TIME TO TIME.
2. NO LOT SHALL BE OCCUPIED UNTIL THE STRUCTURE IS CONNECTED TO THE CITY OF AUSTIN WATER AND WASTEWATER UTILITY SYSTEM.
3. WATER AND WASTEWATER SERVICE TO THIS TRACT WILL BE PROVIDED BY AUSTIN WATER UTILITY.
4. THE WATER AND WASTEWATER UTILITY SYSTEM SERVING THIS SUBDIVISION MUST BE IN ACCORDANCE WITH THE CITY OF AUSTIN UTILITY DESIGN CRITERIA. THE WATER AND WASTEWATER UTILITY PLANS MUST BE REVIEWED AND APPROVED BY THE AUSTIN WATER UTILITY. ALL WATER AND WASTEWATER CONSTRUCTION MUST BE INSPECTED BY THE CITY OF AUSTIN.
5. ALL STREETS IN THIS SUBDIVISION SHALL BE CONSTRUCTED TO CITY OF AUSTIN STANDARDS.
6. PROPERTY OWNERS AND/OR HIS/HER ASSIGNS SHALL PROVIDE FOR ACCESS TO THE DRAINAGE EASEMENT AS MAY BE NECESSARY AND SHALL NOT PROHIBIT ACCESS BY WILLIAMSON COUNTY (AND OTHER APPROPRIATE JURISDICTION) FOR INSPECTION OR MAINTENANCE OF SAID EASEMENT.
7. EROSION/SEDIMENTATION CONTROLS ARE REQUIRED FOR ALL CONSTRUCTION OF EACH LOT, INCLUDING SINGLE FAMILY AND DUPLEX CONSTRUCTION, PURSUANT TO LAND DEVELOPMENT CODE AND THE ENVIRONMENTAL CRITERIA MANUAL.
8. ALL DRAINAGE EASEMENTS ON PRIVATE PROPERTY SHALL BE MAINTAINED BY THE PROPERTY OWNERS OR ASSIGNS.
9. THE OWNER SHALL BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY EROSION CONTROL, REVEGETATION AND TREE PROTECTION FOR ELECTRIC UTILITY WORK REQUIRED TO PROVIDE ELECTRIC SERVICE TO THIS PROJECT. THIS ELECTRIC UTILITY WORK SHALL ALSO BE INCLUDED WITHIN THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.
10. PUBLIC SIDEWALKS, BUILT TO CITY OF AUSTIN STANDARDS, ARE REQUIRED ALONG THE FOLLOWING STREETS, AND ARE INDICATED ON THE FACE OF THE PLAT BY DOTTED LINES, PEARSON RANCH ROAD AND NEENAH AVENUE. FAILURE TO CONSTRUCT THE REQUIRED SIDEWALKS MAY RESULT IN WITHHOLDING OF CERTIFICATES OF OCCUPANCY, BUILDING PERMITS, OR UTILITY CONNECTIONS BY THE GOVERNING BODY OR UTILITY COMPANY.
11. THIS SUBDIVISION IS SUBJECT TO THE LAND DEVELOPMENT AGREEMENT BETWEEN THE ROUND ROCK INDEPENDENT SCHOOL DISTRICT AND THE CITY OF AUSTIN, DATED SEPTEMBER 28, 1994.
12. PRIOR TO CONSTRUCTION ON LOTS IN THIS SUBDIVISION, DRAINAGE PLANS WILL BE SUBMITTED TO THE CITY OF AUSTIN FOR REVIEW. RAINFALL RUN-OFF SHALL BE HELD TO THE AMOUNT EXISTING AT UNDEVELOPED STATUS BY PONDING OR OTHER APPROVED METHODS. ALL PROPOSED CONSTRUCTION OR SITE ALTERATION ON LOT 1, BLOCK D, REQUIRES APPROVAL OF A SEPARATE DEVELOPMENT PERMIT.
13. ELECTRIC SERVICE FOR THIS SUBDIVISION TO BE FURNISHED BY AUSTIN ENERGY.
14. THE ELECTRIC UTILITY HAS THE RIGHT TO CUT AND TRIM TREES AND SHRUBBERY AND REMOVE OBSTRUCTIONS TO THE EXTENT NECESSARY TO KEEP THE EASEMENTS CLEAR OF OBSTRUCTIONS.
15. THE OWNER/DEVELOPER OF THE SUBDIVISION/LOT SHALL PROVIDE AUSTIN ENERGY WITH EASEMENTS AND/OR ACCESS REQUIRED FOR THE INSTALLATION AND ONGOING MAINTENANCE OF OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES TO SERVICE THIS PROPERTY.
16. ANY ELECTRIC UTILITY ACTIVITY INSIDE THE SUBDIVISION SHALL BE INCLUDED UNDER THE DEVELOPMENT PERMIT.
17. NO OBJECTS, INCLUDING BUT NOT LIMITED TO, BUILDINGS, FENCES, OR LANDSCAPING SHALL BE ALLOWED IN DRAINAGE EASEMENTS EXCEPT AS APPROVED BY WILLIAMSON COUNTY (AND OTHER APPROPRIATE JURISDICTIONS).
18. THE OWNER OF THIS SUBDIVISION AND HIS OR HER SUCCESSORS AND ASSIGNS ASSUMES RESPONSIBILITY FOR ALL PLANS FOR CONSTRUCTION OF SUBDIVISION IMPROVEMENTS WHICH COMPLY WITH APPLICABLE CODES AND REQUIREMENTS OF THE CITY OF AUSTIN. THE OWNER UNDERSTANDS AND ACKNOWLEDGES THAT PLAT VACATION OR REPLATTING MAY BE REQUIRED, AT THE OWNER'S SOLE EXPENSE, IF PLANS TO CONSTRUCT THIS SUBDIVISION DO NOT COMPLY WITH SUCH CODES AND REQUIREMENTS.
19. A WILLIAMSON COUNTY DEVELOPMENT PERMIT IS REQUIRED PRIOR TO ANY SITE DEVELOPMENT.
20. TWO YEAR PEAK FLOW CONTROL, AS DETERMINED UNDER THE DRAINAGE CRITERIA MANUAL AND THE ENVIRONMENTAL CRITERIA MANUAL, IS REQUIRED PURSUANT TO LDC SECTION 25-8-211.
21. OFF STREET LOADING AND UNLOADING FACILITIES SHALL BE PROVIDED ON ALL COMMERCIAL AND INDUSTRIAL LOTS.
22. LOT 1 , BLOCK D, WILL NOT CAUSE PONDING, EROSION OR INCREASED FLOWS ON ADJACENT LOTS.
23. ACCESS TO TOMAH DRIVE AND LODI DRIVE DRIVE FROM LOT 1, BLOCK "D" IS PROHIBITED.
24. THIS SITE IS SUBJECT TO THE VOID AND WATER FLOW MITIGATION RULE (ECM 1.12.0 AND COA ITEM NO. 658S OF THE SSM). ALL TRENCHING GREATER THAN FIVE (5) FEET DEEP MUST BE INSPECTED BY A TEXAS-LICENSED GEOLOGIST (P.G.) OR THEIR DESIGNATED REPRESENTATIVE.
25. WITHIN A SIGHT DISTANCE EASEMENT ANY OBSTRUCTION OF SIGHT BY VEGETATION, FENCING, EARTHWORK, BUILDINGS, SIGNS OR ANY OTHER OBJECT WHICH IS DETERMINED TO CREATE A TRAFFIC HAZARD IS PROHIBITED AND MAY BE REMOVED AT OWNER'S EXPENSE. PROPERTY OWNER IS RESPONSIBLE FOR MAINTAINING AN UNOBSTRUCTED VIEW CORRIDOR WITHIN EACH EASEMENT AT ALL TIMES.
26. ALL ACTIVITIES WITHIN THE CEF BUFFER MUST RETAIN THE NATURAL VEGETATIVE COVER TO THE MAXIMUM EXTENT PRACTICABLE. CONSTRUCTION IS PROHIBITED, AND WASTEWATER DISPOSAL OR IRRIGATION IS PROHIBITED.
27. BY APPROVING THIS PLAT, THE CITY OF AUSTIN ASSUMES NO OBLIGATION TO CONSTRUCT ANY INFRASTRUCTURE IN CONNECTION WITH THIS SUBDIVISION. ANY SUBDIVISION INFRASTRUCTURE REQUIRED FOR THE DEVELOPMENT OF LOTS IN THIS SUBDIVISION IS THE RESPONSIBILITY OF THE DEVELOPER AND/OR OWNERS OF THE LOTS BEING OCCUPIED. FAILURE TO CONSTRUCT ANY REQUIRED INFRASTRUCTURE TO CITY STANDARDS MAY BE JUST CAUSE FOR THE CITY TO DENY APPLICATIONS FOR CERTAIN DEVELOPMENT PERMITS INCLUDING BUILDING PERMITS, SITE PLAN APPROVALS, AND/OR CERTIFICATES OF OCCUPANCY.
28. NO CONSTRUCTION OR PLACEMENT OF STRUCTURES INCLUDING BUILDINGS, SHEDS, POOLS, LANDSCAPING OR GARDENS IS ALLOWED WITHIN A CRITICAL ENVIRONMENTAL FEATURE BUFFER ZONE PER THE CITY OF AUSTIN LAND DEVELOPMENT CODE. WASTEWATER DISPOSAL IS PROHIBITED WITHIN THE CEF BUFFER ZONE AND VEGETATIVE COVER MUST BE MAINTAINED TO THE MAXIMUM EXTENT PRACTICABLE.

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

KNOW ALL MEN BY THESE PRESENTS:

THAT ROUND ROCK INDEPENDENT SCHOOL DISTRICT, ACTING BY AND THROUGH ITS EXECUTIVE DIRECTOR, OPERATIONS AND FACILITIES SERVICES, ALAN ALBERS, OWNER OF THE TRACTS OF LAND DESCRIBED IN WARRANTY DEEDS RECORDED AS FOLLOWS: 18.067 ACRES IN DOCUMENT NO. 2009080907, 65.206 ACRES IN DOCUMENT NO. 2009060806, 105.771 ACRES IN DOCUMENT NO. 2011007022, AND 10.145 ACRES IN DOCUMENT NO. 2011007023, ALL OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, DO HEREBY JOIN, APPROVE, AND CONSENT TO ALL DEDICATIONS AND PLAT NOTE REQUIREMENTS SHOWN HEREON, WE DO HEREBY APPROVE THE RECORDATION OF THIS SUBDIVISION PLAT AND DEDICATE TO THE PUBLIC USE FOREVER ANY EASEMENTS AND ROADS THAT ARE SHOWN HEREON. THIS SUBDIVISION IS TO BE KNOWN AS:

"PEARSON RANCH SECTION TWO"

WE HEREBY ACKNOWLEDGE THAT WE ARE THE OWNERS OF THIS PROPERTY AND DO HEREBY STATE THAT THERE ARE NO LIEN HOLDERS OR ANY UNPAID DEBT FOR WHICH THIS PROPERTY REPRESENTS COLLATERAL ON ANY LOAN.

THERE ARE NO LIEN HOLDERS FOR THIS TRACT. ALL PUBLIC ROADWAYS AND EASEMENTS AS SHOWN ON THIS PLAT ARE FREE OF LIENS.

WITNESS MY HAND THIS THE 12 DAY OF Aug, 2013 A.D.

BY: _____
ALAN ALBERS
EXECUTIVE DIRECTOR, OPERATIONS AND FACILITIES SERVICES

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

BEFORE ME, Shirley M. Reaves A NOTARY PUBLIC, ON THIS DAY PERSONALLY APPEARED ALAN ALBERS, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATION THEREIN EXPRESSED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS
THE 12 DAY OF August 2013 A.D.

Shirley M. Reaves
NOTARY PUBLIC
STATE OF TEXAS

SHIRLEY M. REAVES
Notary Public, State of Texas
My Commission Expires
MARCH 05, 2014

I, TOMMY P. WATKINS, AM AUTHORIZED UNDER THE LAWS OF THE STATE OF TEXAS TO PRACTICE THE PROFESSION OF SURVEYING AND HEREBY CERTIFY THAT THIS PLAT COMPLIES WITH THE SURVEY RELATED PORTIONS OF TITLE 25 OF THE AUSTIN CITY CODE OF 1999, IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WAS PREPARED FROM AN ACTUAL SURVEY OF THE PROPERTY MADE BY ME OR UNDER MY SUPERVISION ON THE GROUND IN JANUARY, 2009.

8/6/2013
TOMMY P. WATKINS DATE
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4549
CUNNINGHAM-ALLEN, INC.
3103 BEE CAVE ROAD, SUITE. 202
AUSTIN, TEXAS 78746
(PHONE) 512-327-2946 (FAX) 512-327-2973

STATE OF TEXAS
REGISTERED
TOMMY P WATKINS
4549
PROFESSIONAL
LAND SURVEYOR

I, CURTIS L. MORRISS, AM AUTHORIZED UNDER THE LAWS OF THE STATE OF TEXAS TO PRACTICE THE PROFESSION OF ENGINEERING AND HEREBY CERTIFY THAT THIS PLAT IS FEASIBLE FROM AN ENGINEERING STANDPOINT AND COMPLIES WITH THE ENGINEERING RELATED PORTIONS OF TITLE 25 OF THE AUSTIN CITY CODE, AS AMENDED, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

THE 100-YEAR FLOODPLAIN, AS DEFINED BY CITY REGULATIONS, IS CONTAINED WITHIN THE DRAINAGE EASEMENT(S) SHOWN HEREON. NO PORTION OF THIS TRACT IS WITHIN THE BOUNDARIES OF THE 100-YEAR FLOODPLAIN OF ANY WATERWAY THAT IS WITHIN THE LIMITS OF STUDY OF THE FEDERAL FLOOD INSURANCE ADMINISTRATION FIRM PANEL NUMBERS 48491C0610 E AND 48491C0630 E, DATED SEPTEMBER 26, 2008 FOR WILLIAMSON COUNTY.

8/6/13
CURTIS L. MORRISS, P.E.# 86337 DATE
CUNNINGHAM-ALLEN, INC.
3103 BEE CAVE ROAD, SUITE 202
AUSTIN, TEXAS 78746
(PHONE) 512-327-2946

STATE OF TEXAS
CURTIS L MORRISS
86337
LICENSED
PROFESSIONAL ENGINEER

THIS SUBDIVISION IS LOCATED WITHIN THE EXTRATERRITORIAL JURISDICTION OF THE CITY OF AUSTIN, TEXAS, ON THIS THE 23rd DAY OF Aug 2013 A.D.

for
GREG GURNSEY, DIRECTOR
PLANNING AND DEVELOPMENT REVIEW DEPARTMENT

ACCEPTED AND AUTHORIZED FOR RECORD BY THE DIRECTOR, PLANNING & DEVELOPMENT REVIEW DEPARTMENT, CITY OF AUSTIN, COUNTY OF TRAVIS, THIS THE 23 DAY OF Aug., 2013 AD.

for
GREG GURNSEY, DIRECTOR
PLANNING AND DEVELOPMENT REVIEW DEPARTMENT

ZONING AND PLANNING COMMISSION

ACCEPTED AND AUTHORIZED FOR RECORD BY ZONING AND PLANNING COMMISSION OF THE CITY OF AUSTIN, TEXAS, THIS THE 20th DAY OF Aug 2013 A.D.

CHAIRPERSON SECRETARY

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

I, NANCY RISTER, CLERK OF THE COUNTY COURT OF SAID COUNTY, TEXAS, DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT IN WRITING, WITH IT'S CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORD IN MY OFFICE ON THE 6 DAY OF SEPTEMBER 2013 AT 3:55 O'CLOCK P.M., AND DULY RECORDED THIS THE 6 DAY OF SEPT. 2013 A.D. AT 3:55 O'CLOCK P.M. IN THE PLAT RECORDS OF SAID COUNTY IN DOCUMENT # 2013086487.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT THE COUNTY COURT OF SAID COUNTY, AT MY OFFICE IN GEORGETOWN, TEXAS, THE DATE LAST SHOWN ABOVE WRITTEN.

NANCY RISTER, CLERK COUNTY COURT OF WILLIAMSON COUNTY, TEXAS

BY: WILLIAM WEHLING DEPUTY

COMMISSIONERS COURT WILLIAMSON COUNTY, TEXAS

C8J- 2010-0058.2AX
SUBMITTAL DATE: 04/10/2013

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Engineers - Surveyors
3103 Bee Cave Road, Suite 202 Tel.: (512) 327-2946
Austin, Texas 78746-6819 Fax: (512) 327-2973
www.cunningham-allen.com
TBPE REG. NO. F-284

DATE: JUNE 2012 | PROJECT NO.: 057.5605
DRAWN BY: tpw | SHEET 4 OF 5

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WBE#210166 | HUB 18538738453300

No.	REVISION
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SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

PLAT

JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303 | 03/16/2026 | DRAWN BY: JS | CHECKED BY: AR | APPROVED BY: JH

C02.04

Drawing Path: S:\0575605 RRISD Pearson New HS_Drawings\0575605_PEARSON RANCH SECTION TWO FINAL PLAT.dwg Plotted By: Tom Watkins Date: 7/31/2013 1:13:58 PM Layout: SHT4

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 PLAT.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC

DOC.#2013086487

PEARSON RANCH SECTION TWO

BEING 89.966 ACRES OF LAND SITUATED IN THE JAMES SHELTON SURVEY, ABSTRACT NO. 552, IN WILLIAMSON COUNTY, TEXAS, AND BEING ALL OF AN 84.512 ACRE TRACT OF LAND CONVEYED TO ROUND ROCK INDEPENDENT SCHOOL DISTRICT IN A DEED RECORDED IN DOCUMENT NO. 2011007022, A PORTION OF AN 10.145 ACRE TRACT OF LAND CONVEYED TO ROUND ROCK INDEPENDENT SCHOOL DISTRICT IN A DEED RECORDED IN DOCUMENT NO. 2011007023, AND A PORTION OF A 2.754 ACRE TRACT AND A 2.736 ACRE TRACT OF LAND CONVEYED TO ROUND ROCK INDEPENDENT SCHOOL DISTRICT IN A DEED RECORDED IN DOCUMENT NO. 2009080907, ALL OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND FOR THE EASTERNMOST NORTHEAST CORNER OF SAID 84.512 ACRE TRACT IN THE EAST LINE OF LOT 46, BLOCK A, OF THE MEADOWS OF BRUSHY CREEK PHASE IV, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN CABINET N, SLIDE 72, OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS;

THENCE, SOUTH 21°12'12" EAST ALONG THE COMMON LINE OF SAID 84.512 ACRE TRACT AND THE WEST LINE OF SAID THE MEADOWS OF BRUSHY CREEK PHASE IV, A DISTANCE OF 995.84 FEET TO A 1/2 INCH IRON ROD FOUND FOR THE SOUTHWEST CORNER OF SAID THE MEADOWS OF BRUSHY CREEK PHASE IV AND THE NORTHWEST CORNER OF THE WOODS OF BRUSHY CREEK SECTION II, PHASE II, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN CABINET F, SLIDE 397, OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS;

THENCE, SOUTH 21°10'31" EAST ALONG THE COMMON LINE OF SAID 84.512 ACRE TRACT AND THE WEST LINE OF SAID THE WOODS OF BRUSHY CREEK SECTION II, PHASE II, AND THE WEST LINE OF THE WOODS OF BRUSHY CREEK SECTION II, PHASE IIIA, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN CABINET I, SLIDE 207, OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS, PASSING A 1/2 INCH IRON ROD FOUND FOR THE SOUTHWEST CORNER OF SAID THE WOODS OF BRUSHY CREEK SECTION II, PHASE II, AND THE NORTHWEST CORNER OF THE WOODS OF BRUSHY CREEK SECTION II, PHASE IIIA, AT A DISTANCE OF 714.91 FEET AND CONTINUING FOR A TOTAL DISTANCE OF 1917.71 FEET TO A 1/2 INCH IRON ROD WITH CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND FOR THE SOUTHEAST CORNER OF SAID 84.512 ACRE TRACT;

THENCE, SOUTH 46°57'43" WEST, DEPARTING THE WEST LINE OF SAID THE WOODS OF BRUSHY CREEK SECTION II, PHASE IIIA, WITH THE SOUTH LINE OF SAID 84.512 ACRE TRACT, A DISTANCE OF 867.61 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND IN THE EASTERLY LINE OF SAID 10.145 ACRE TRACT FOR THE SOUTHWEST CORNER OF SAID 84.512 ACRE TRACT;

THENCE, SOUTH 38°00'49" WEST, OVER AND ACROSS SAID 10.145 ACRE TRACT, A DISTANCE OF 114.00 FEET TO A 1/2 INCH IRON ROD IN CONCRETE WITH ALUMINUM CAP STAMPED "CUNNINGHAM ALLEN INC" SET IN THE CURVING WESTERLY LINE OF SAID 10.145 ACRE TRACT AND CURVING EAST LINE OF LOT 1, BLOCK "A", RRISD WEST TRANSPORTATION FACILITY, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN DOCUMENT NO. 2011085804, OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, FOR THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE, WITH THE COMMON LINE OF SAID 10.145 ACRE TRACT AND SAID LOT 1, BLOCK "A", THE FOLLOWING TWO (2) COURSES AND DISTANCES:

1. WITH A CURVE TO THE RIGHT, HAVING A RADIUS OF 943.00 FEET, AN ARC LENGTH OF 107.15 FEET, A DELTA ANGLE OF 06°30'38", AND A CHORD WHICH BEARS NORTH 55°14'29" WEST, A DISTANCE OF 107.10 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" SET AT THE POINT OF TANGENCY;
2. NORTH 58°29'48" WEST, A DISTANCE OF 279.81 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND FOR THE SOUTHERN MOST CORNER OF THE SOUTH TERMINUS OF PEARSON RANCH ROAD (114' R.O.W.) AS DEDICATED BY PEARSON RANCH SECTION ONE, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN DOCUMENT NO. 2011029172, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS;

THENCE, NORTH 31°30'12" EAST, WITH THE SAID SOUTH TERMINUS OF PEARSON RANCH ROAD, A DISTANCE OF 114.00 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND IN THE WESTERLY LINE OF SAID 84.512 ACRE TRACT FOR THE EASTERNMOST CORNER OF THE SAID SOUTH TERMINUS OF PEARSON RANCH ROAD;

THENCE, WITH THE COMMON LINE OF SAID PEARSON RANCH ROAD AND SAID 84.512 ACRE TRACT THE FOLLOWING FOUR (4) COURSES AND DISTANCES:

1. NORTH 58°29'48" WEST, A DISTANCE OF 590.63 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND AT THE BEGINNING OF A CURVE TO THE RIGHT;
2. WITH SAID CURVE TO THE RIGHT, HAVING A RADIUS OF 943.00 FEET, AN ARC LENGTH OF 629.63 FEET, A DELTA ANGLE OF 38°15'20", AND A CHORD WHICH BEARS NORTH 39°22'08" WEST, A DISTANCE OF 618.00 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND AT THE POINT OF TANGENCY;
3. NORTH 20°14'28" WEST, A DISTANCE OF 768.48 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND AT THE BEGINNING OF A CURVE TO THE RIGHT AT THE INTERSECTION OF THE SAID EASTERLY RIGHT-OF-WAY LINE OF PEARSON RANCH ROAD WITH THE SOUTHERLY RIGHT-OF-WAY LINE OF NEENAH AVENUE (114' R.O.W.) AS DEDICATED BY SAID PEARSON RANCH SECTION ONE;
4. WITH SAID CURVE TO THE RIGHT, HAVING A RADIUS OF 75.00 FEET, AN ARC LENGTH OF 118.05 FEET, A DELTA ANGLE OF 90°11'09", AND A CHORD WHICH BEARS NORTH 24°51'06" EAST, A DISTANCE OF 106.24 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND AT THE POINT OF TANGENCY FOR THE SOUTHERNMOST CORNER OF THE EAST TERMINUS OF SAID NEENAH AVENUE;

THENCE, NORTH 20°29'08" WEST, WITH THE EAST TERMINUS OF SAID NEENAH AVENUE, A DISTANCE OF 114.00 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND IN THE SOUTH LINE OF BLOCK "A", PEARSON RANCH SECTION ONE, FOR THE NORTHERNMOST CORNER OF THE EAST TERMINUS OF SAID NEENAH AVENUE;

THENCE, WITH THE SOUTH LINE OF BLOCK "A", THE FOLLOWING FOUR (4) COURSES AND DISTANCES:

1. NORTH 69°56'41" EAST, A DISTANCE OF 73.54 FEET, TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND AT THE BEGINNING OF A CURVE TO THE LEFT;
2. WITH A CURVE TO THE LEFT, HAVING A RADIUS OF 668.00 FEET, AN ARC LENGTH OF 737.00 FEET, A DELTA ANGLE OF 63°12'50", AND A CHORD WHICH BEARS NORTH 38°20'16" EAST, A DISTANCE OF 700.18 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND AT THE POINT OF TANGENCY;
3. NORTH 06°43'51" EAST, A DISTANCE OF 274.81 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND AT THE BEGINNING OF A CURVE TO THE RIGHT;
4. WITH A CURVE TO THE RIGHT, HAVING A RADIUS OF 760.00 FEET, AN ARC LENGTH OF 691.65 FEET, A DELTA ANGLE OF 52°08'35", AND A CHORD WHICH BEARS NORTH 32°48'08" EAST, A DISTANCE OF 668.03 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND FOR THE NORTHERNMOST CORNER AT THE WEST TERMINUS OF NEENAH AVENUE (R.O.W. VARIES), AS DEDICATED BY SAID PEARSON RANCH SECTION ONE;

THENCE, SOUTH 33°05'20" EAST, WITH THE WEST TERMINUS OF SAID NEENAH AVENUE, A DISTANCE OF 74.85 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND IN THE CURVING NORTH LINE OF SAID 84.512 ACRE TRACT FOR SOUTHERNMOST CORNER AT THE WEST TERMINUS OF SAID NEENAH AVENUE;

THENCE, WITH THE SOUTH RIGHT-OF-WAY LINE OF SAID NEENAH AVENUE AND WITH A CURVE TO THE RIGHT, HAVING A RADIUS OF 669.23 FEET, AN ARC LENGTH OF 97.57 FEET, A DELTA ANGLE OF 08°21'11", AND A CHORD WHICH BEARS NORTH 59°36'22" EAST, A DISTANCE OF 97.48 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND;

THENCE, DEPARTING THE SOUTH RIGHT-OF-WAY LINE OF SAID NEENAH AVENUE WITH THE NORTH LINE OF SAID 84.512 ACRE TRACT THE FOLLOWING TWO (2) COURSES AND DISTANCES:

1. SOUTH 21°12'12" EAST, A DISTANCE OF 30.00 FEET TO A 1/2 INCH IRON ROD WITH PLASTIC CAP STAMPED "CUNNINGHAM ALLEN INC" FOUND;
2. NORTH 68°47'48" EAST, A DISTANCE OF 44.89 FEET TO THE POINT OF BEGINNING.

NOTES:

1. BEARING BASIS: GRID NORTH, TEXAS COORDINATE SYSTEM OF 1983 (CORS) CENTRAL ZONE.
2. DISTANCES SHOWN HEREON ARE SURFACE USING A COMBINED SCALE ADJUSTMENT FACTOR OF 1.00011149 (SURFACE = GRID X SCALE ADJUSTMENT FACTOR)
3. COORDINATES SHOWN HEREON ARE TEXAS COORDINATE SYSTEM OF 1983, CENTRAL ZONE, GRID
4. FLOOD NOTE:
   BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE X (NOT SHADED) - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48491C0610 E AND 48491C0630 E, THAT BEARS AN EFFECTIVE/REVISED DATE OF SEPTEMBER 8 , 2008. THE SURVEYOR MAKES NO ASSURANCE AS TO THE ACCURACY OF THE DELINEATIONS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP.
4. VERTICAL DATUM: ALL ELEVATIONS ARE REFERENCED TO TxDOT AERIAL CONTROL PANEL #310 AS DEPICTED ON SHEET 1 OF 2 OF "S.H. 45 CONTROL MAP" (LAST REVISION DATE 01/08/2003), PREPARED BY SURVCON INC. MARK IS A 5/8 INCH IRON ROD WITH A PLASTIC CAP, FLUSH WITH THE GROUND, 2200' WEST OF THE INTERSECTION OF RM 620 AND SH45, 200 FEET NORTH OF THE FENCED NORTH ROW LINE OF SH45, 200 FEET EAST OF A BARBED WIRE FENCE.
   PANEL #310
   ELEV= 825.26' (NAVD 88)
   LAT: 30°28'56.51" N
   LONG: 97°45'01.45" W

SITE BENCHMARKS:

TBM #1790-40
"L" CUT ON TOP OF CONCRETE WALL @ THE NW CORNER OF WATER TOWER OUTFALL DRAINAGE STRUCTURE, 54' SOUTH OF THE CENTERLINE OF NEENAH DR, 450 W OF THE INTERSECTION OF NEENAH DR AND RUSTIC LN, IN BRUSHY CREEK SUBDIVISION
ELEV. = 916.61' (NAVD 88)

TBM# 1792-15
COTTON SPINDLE SET IN W SIDE OF ABANDONED UTILITY POLE (POINT # 15149) 43' N OF BW FNC, 200' E OF WINDMILL, 560' W OF ENGLAND E PROPERTY LINE
ELEV. = 880.85' (NAVD 88)

Document Under Review

C8J- 2010-0058.2AX
SUBMITTAL DATE: 04/10/2013

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Engineers · Surveyors
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TBPE REG. NO. F-284

DATE: JUNE 2012	PROJECT NO.: 057.5605
DRAWN BY: tpw	SHEET 5 OF 5

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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

PLAT

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

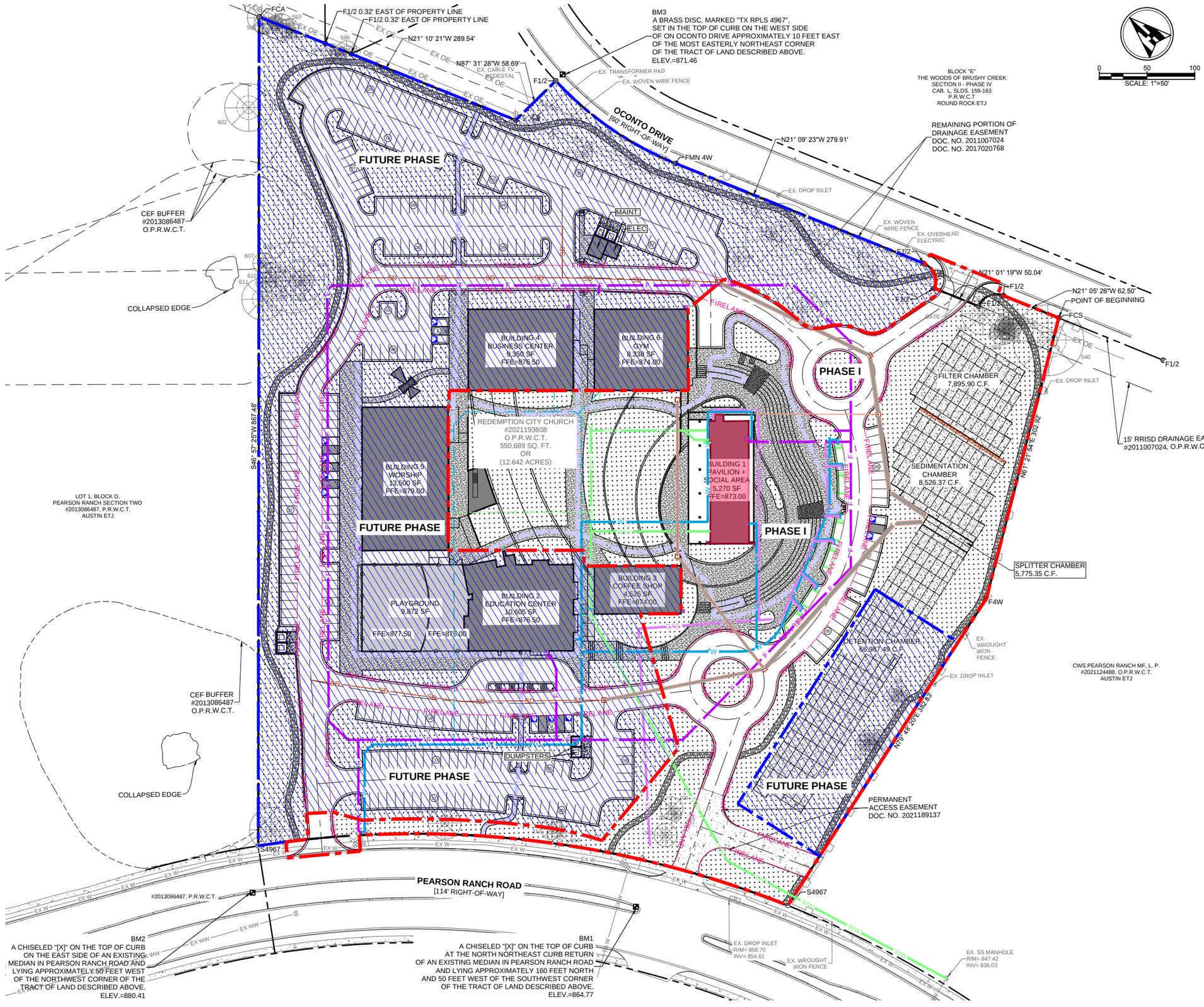
PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C02.05

Drawing Path: S:\0575605 RRISD Pearson New HS_Drawings\0575605_PEARSON RANCH SECTION TWO FINAL PLAT.dwg Plotted By: Tom Watkins Date: 7/31/2013 1:14:03 PM Layout: SHT5

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 PLAT.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC



LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
EX WW	EXISTING WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	SUBJECT PROPERTY LINE
	ADJOINING PROPERTY LINE
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT
	PHASE 1
	PHASE 1A
	PHASE 1B
	FUTURE PHASES
W	WATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
	STORMWATER LINE - PHASE 1
WW	WASTEWATER LINE - PHASE 1
GAS	GAS LINE - PHASE 1
	WATER LINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

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SITE DEVELOPMENT PLANS
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REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

PHASING PLAN

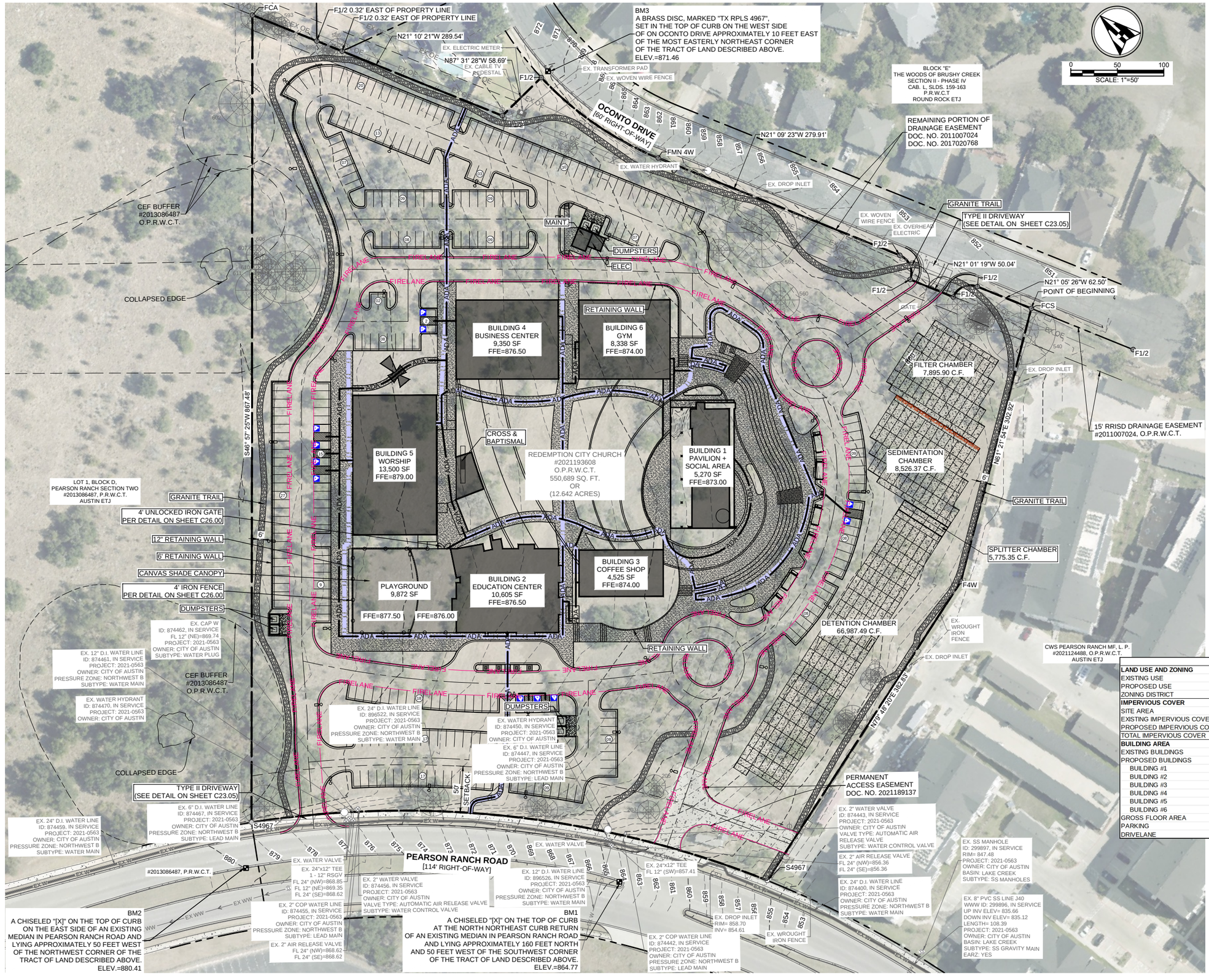
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C03.00

Plotted by: August. Plot date: 16/03/2026
File name: H:\02 Projects\2025\250303 Redemption City Church\07 Sheet\SD\250303 PHASING PLAN.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC



PARKING TABLE	
STANDARD PARKING PROVIDED	**269**
ADA SPACES REQUIRED	8
ADA SPACED PROVIDED	**11**
TOTAL PARKING PROVIDED	**280**

SITE DATA TABLE			
LAND USE AND ZONING			
EXISTING USE	UNDEVELOPED		
PROPOSED USE	PLACE OF WORSHIP AND COMMUNITY CENTER		
ZONING DISTRICT	UNZONED-RELEASED FROM COA ETJ ON 11/14/2024		
IMPERVIOUS COVER	**ACRES**	**S.F.**	
SITE AREA	12.642 Ac.	550,689 S.F.	
EXISTING IMPERVIOUS COVER	0.126 Ac.	5,500 S.F.	1.00%
PROPOSED IMPERVIOUS COVER	6.811 Ac.	296,692 S.F.	53.88%
TOTAL IMPERVIOUS COVER		**302,192 S.F.**	**54.88%**
BUILDING AREA	**ACRES**	**S.F.**	
EXISTING BUILDINGS	0.000 Ac.	0 S.F.	0.00%
PROPOSED BUILDINGS			
BUILDING #1	0.121 Ac.	5,270 S.F.	0.96%
BUILDING #2	0.243 Ac.	10,605 S.F.	1.93%
BUILDING #3	0.104 Ac.	4,525 S.F.	0.82%
BUILDING #4	0.215 Ac.	9,350 S.F.	1.70%
BUILDING #5	0.310 Ac.	13,500 S.F.	2.45%
BUILDING #6	0.191 Ac.	8,338 S.F.	1.51%
GROSS FLOOR AREA	1.184 Ac.	51,589 S.F.	9.37%
PARKING	1.131 Ac.	49,248 S.F.	8.94%
DRIVELANE	2.160 Ac.	94,111 S.F.	17.09%

LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY LINE
	ADJOINING PROPERTY LINE
	ACCESSIBLE ROUTES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
861	PROPOSED CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT
ADA	ADA PATH LINE
	IRON FENCE
	PROPOSED ELECTRIC LIGHT POLE

WOMEN OWNED
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512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
Civil Engineering
WBE#210166 | HUB 1853873845300

No.	REVISION
1	
2	
3	
4	
5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

OVERALL SITE PLAN

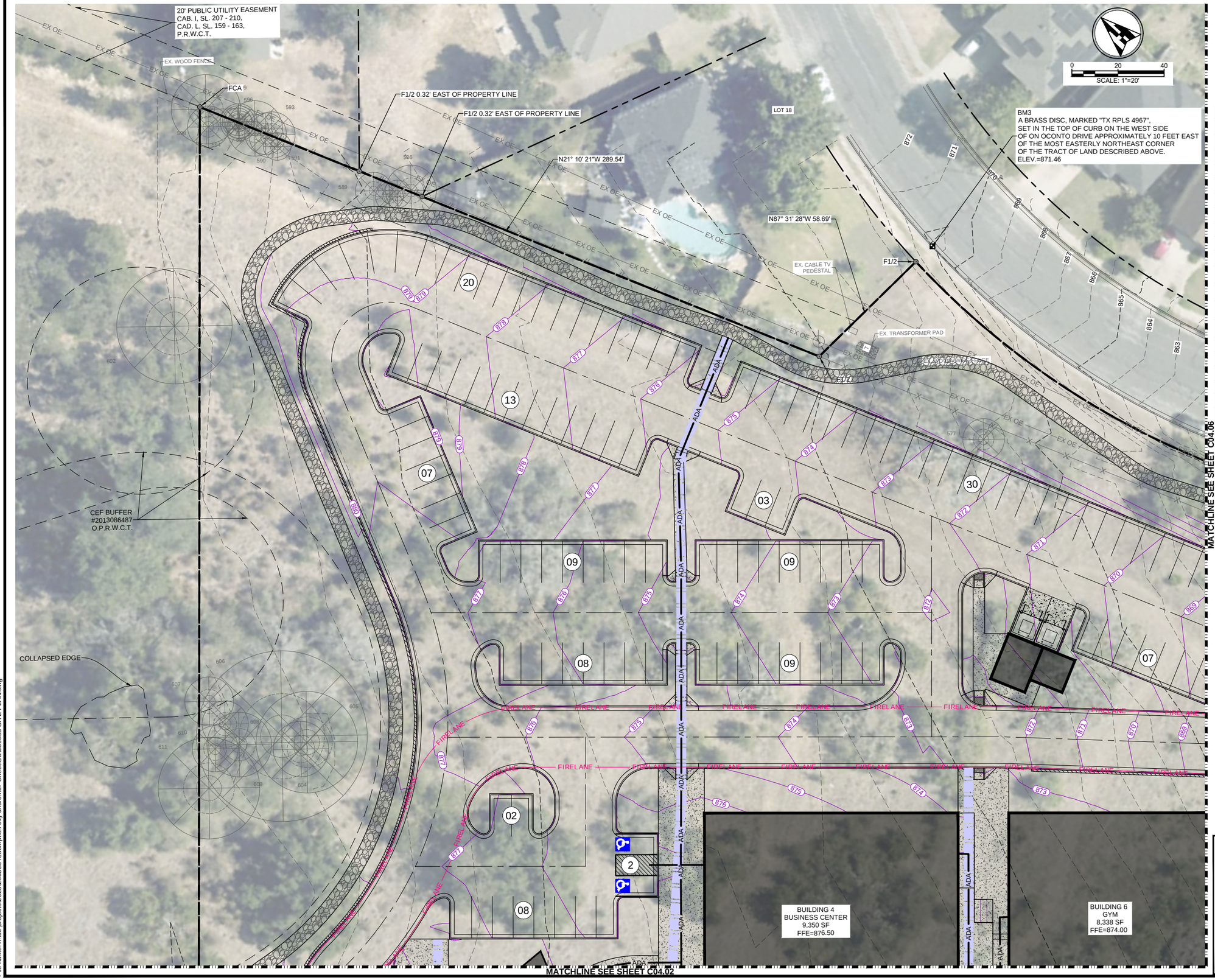
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C04.00

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 SITE PLAN.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC



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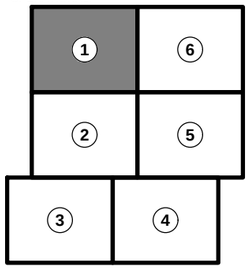
LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY
	ADJOINING PROPERTY LINES
	ACCESSIBLE ROUTES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
861	PROPOSED CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT
ADA	ADA PATH LINE

NOTES:
1. NO OVERHEAD OBSTRUCTIONS ACROSS THE FIRE LANE SHALL BE LOWER THAN 13 FEET 6 INCHES.
2. NO CONSTRUCTION INVOLVING COMBUSTIBLE MATERIALS SHALL TAKE PLACE UNTIL THE FIRE LANE AND FIRE HYDRANTS ARE INSTALLED AND OPERATIONAL.



KEY MAP
(NOT TO SCALE)

Henderson Professional Engineers
HPE
Civil Engineering
600 ROUND ROCK WEST DRIVE, SUITE 604
ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
WBE210166 | HUB 1853873845300

No.	REVISION
1	
2	
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5	

SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

SITE PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C04.01

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 SITE PLAN.dwg

MATCHLINE SEE SHEET C04.01

MATCHLINE SEE SHEET C04.05

MATCHLINE SEE SHEET C04.03

MATCHLINE SEE SHEET C04.04

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W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
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	ADJOINING PROPERTY LINES
	ACCESSIBLE ROUTES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
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	WATER VALVE
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	UTILITY PIPE CONTINUATION
10	PARKING COUNT
ADA	ADA PATH LINE

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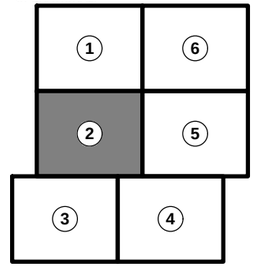

KEY MAP
(NOT TO SCALE)

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Civil Engineering
WBE2101661 | HUB 1853873845300

No.	REVISION
1	
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3	
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

SITE PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C04.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 SITE PLAN.dwg

MATCHLINE SEE SHEET C04.02

MATCHLINE SEE SHEET C04.04

CEF BUFFER
#2013086487
O.P.R.W.C.T.

COLLAPSED EDGE

EX. 12" D.I. WATER LINE
ID: 874461, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

EX. WATER HYDRANT
ID: 874470, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN

EX. 24" D.I. WATER LINE
ID: 874459, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

S4967

EX. 6" D.I. WATER LINE
ID: 874467, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: LEAD MAIN

EX. WATER VALVE

EX. 24"x12" TEE
1 - 12" RSGV
FL 24" (NW)=868.85
FL 12" (NE)=869.35
FL 24" (SE)=868.62

EX. 2" AIR RELEASE VALVE
FL 24" (NW)=868.62
FL 24" (SE)=868.62

EX. CAP W
ID: 874462, IN SERVICE
FL 12" (NE)=869.74
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
SUBTYPE: WATER PLUG

EX. 2" WATER VALVE
ID: 874456, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
VALVE TYPE: AUTOMATIC AIR RELEASE VALVE
SUBTYPE: WATER CONTROL VALVE

EX. 2" COP WATER LINE
ID: 874455, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: LEAD MAIN

EX. 24" D.I. WATER LINE
ID: 896522, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

#2013086487, P.R.W.C.T.

PEARSON RANCH ROAD
[114' RIGHT-OF-WAY]

BM2
A CHISELED "[X]" ON THE TOP OF CURB ON THE EAST SIDE OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD AND LYING APPROXIMATELY 50 FEET WEST OF THE NORTHWEST CORNER OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=880.41

SCALE: 1"=20'

LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
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	STORMWATER LINE
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	ADJOINING PROPERTY LINES
	ACCESSIBLE ROUTES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
861	PROPOSED CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT
ADA	ADA PATH LINE

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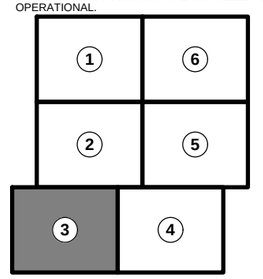

KEY MAP
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WBE210166 | HUB 1853873845300

No.	REVISION
1	
2	
3	
4	
5	

SITE DEVELOPMENT PLANS TO SERVE

REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

SITE PLAN

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C04.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 SITE PLAN.dwg

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LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
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	STORMWATER LINE
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	ADJOINING PROPERTY LINES
	ACCESSIBLE ROUTES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
861	PROPOSED CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT
ADA	ADA PATH LINE

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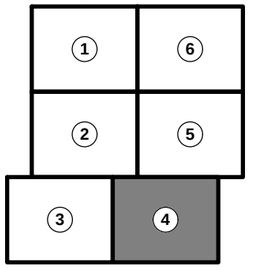

KEY MAP
(NOT TO SCALE)

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No.	REVISION
1	
2	
3	
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5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

SITE PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

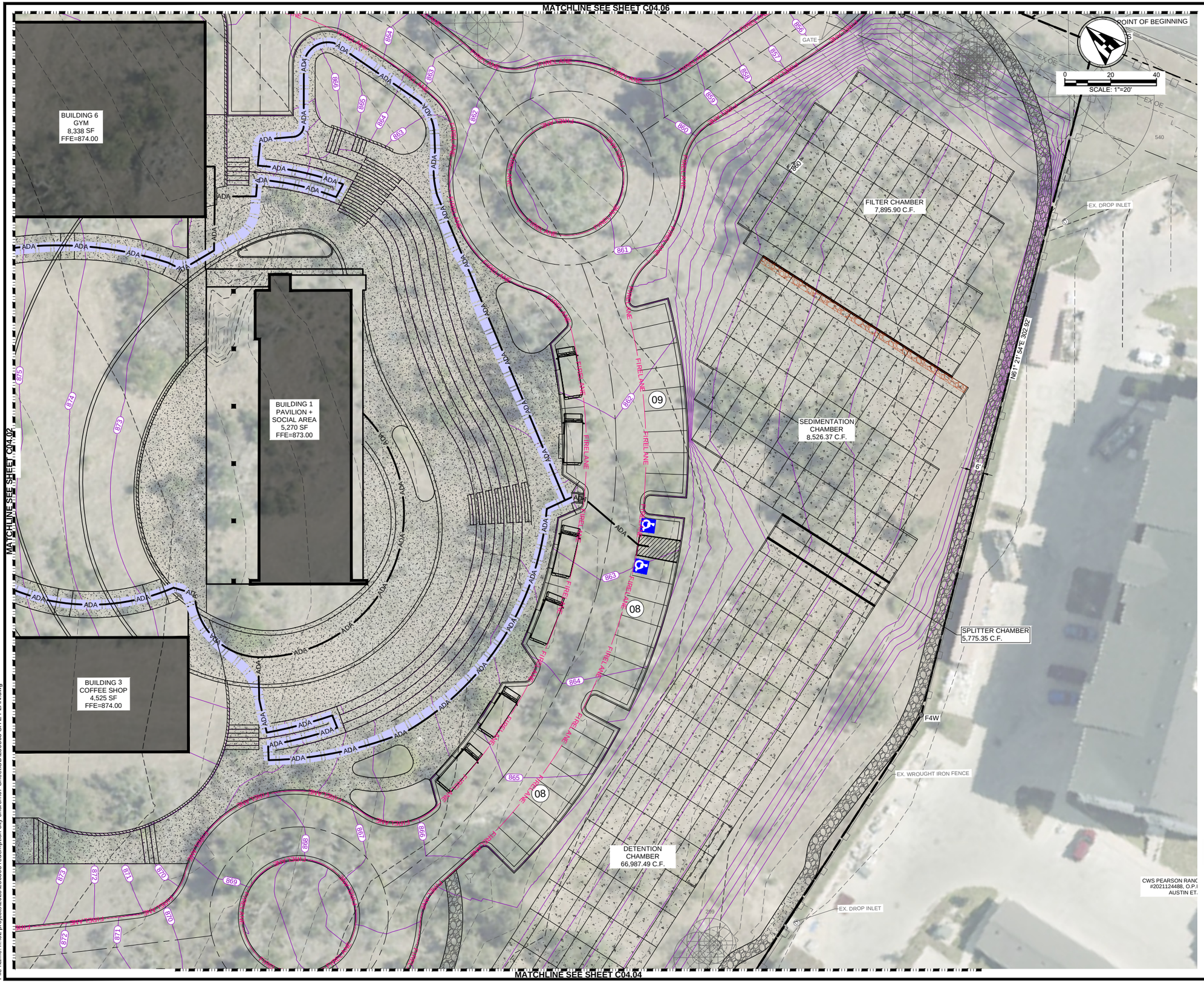
PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C04.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 SITE PLAN.dwg

MATCHLINE SEE SHEET C04.06



MATCHLINE SEE SHEET C04.02

MATCHLINE SEE SHEET C04.04

Plotted by: Morgan Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheets\SD\250303 SITE PLAN.dwg

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LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY
	ADJOINING PROPERTY LINES
	ACCESSIBLE ROUTES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
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	BENCHMARK
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10	PARKING COUNT
ADA	ADA PATH LINE

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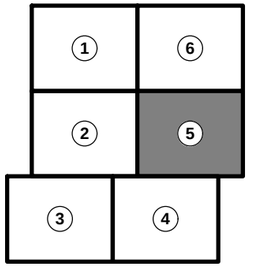

KEY MAP
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No.	REVISION
1	
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3	
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SITE DEVELOPMENT PLANS
TO SERVE

REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

SITE PLAN

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C04.05

COUNTY PROJECT NUMBER: 2025-1563-COC

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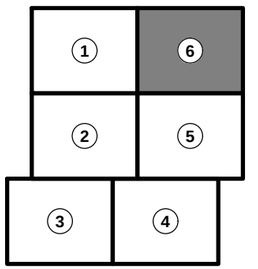

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No.	REVISION
1	
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

SITE PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C04.06

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 SITE PLAN.dwg

20' PUBLIC UTILITY EASEMENT
CAB. I, SL. 207 - 210,
CAD. L, SL. 159 - 163,
P.R.W.C.T.

FCA

F1/2 0.32' EAST OF PROPERTY LINE

F1/2 0.32' EAST OF PROPERTY LINE

N21° 10' 21"W 289.54'

LOT 18

BM3
A BRASS DISC, MARKED "TX RPLS 4967",
SET IN THE TOP OF CURB ON THE WEST SIDE
OF ON OCONTO DRIVE APPROXIMATELY 10 FEET EAST
OF THE MOST EASTERLY NORTHEAST CORNER
OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=871.46

N87° 31' 28"W 58.69'

F1/2

EX. CABLE TV PEDESTAL

CEF BUFFER
#2013086487
O.P.R.W.C.T.

COLLAPSED EDGE

MATCHLINE SEE SHEET C05.02

MATCHLINE SEE SHEET C05.06

BUILDING 4
BUSINESS CENTER
9,350 SF
FFE=876.50

BUILDING 6
GYM
8,338 SF
FFE=874.00

FIRELANE

0 20 40
SCALE: 1"=20'

LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
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	WATER VALVE
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	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT

KEY MAP
(NOT TO SCALE)

1 6
2 5
3 4

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

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No.	REVISION
1	
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5	

SITE DEVELOPMENT PLANS
TO SERVE

REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

DIMENSIONAL CONTROL PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C05.01

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 DIMENSIONAL CONTROL PLAN 1.dwg

MATCHLINE SEE SHEET C05.01

MATCHLINE SEE SHEET C05.03

MATCHLINE SEE SHEET C05.04

MATCHLINE SEE SHEET C05.05

BUILDING 4
BUSINESS CENTER
9,350 SF
FFE=876.50

BUILDING 6
GYM
8,338 SF
FFE=874.00

BUILDING 5
WORSHIP
13,500 SF
FFE=879.00

REDEMPTION CITY CHURCH
#2021193608
O.P.R.W.C.T.
550,689 SQ. FT.
OR
(12.642 ACRES)

PLAYGROUND
9,872 SF

BUILDING 2
EDUCATION CENTER
10,605 SF
FFE=876.50

BUILDING 3
COFFEE SHOP
4,525 SF
FFE=874.00

FFE=877.50

FFE=876.00

CEF BUFFER
#20130864870
O.P.R.W.C.T.

S46° 57' 25"W 867.48'

0 20 40
SCALE: 1"=20'

LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY LINE
	ADJOINING PROPERTY LINE
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT

1 6
2 5
3 4

KEY MAP
(NOT TO SCALE)

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

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WBE2101661 | HUB 1853873845300

No.	REVISION
1	
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

DIMENSIONAL CONTROL PLAN

STATE OF TEXAS
JENNIFER L HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C05.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 DIMENSIONAL CONTROL PLAN 1.dwg

MATCHLINE SEE SHEET C05.02

MATCHLINE SEE SHEET C05.04

CEF BUFFER
#2013086487
O.P.R.W.C.T.

COLLAPSED EDGE

S4967

482.76' FROM PROP. DRIVEWAY TO EX. DRIVEWAY

351.34'
TO ADJACENT DRIVEWAY

#2013086487, P.R.W.C.T.

PEARSON RANCH ROAD
[114' RIGHT-OF-WAY]

BM2
A CHISELED "[X]" ON THE TOP OF CURB ON THE EAST SIDE OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD AND LYING APPROXIMATELY 50 FEET WEST OF THE NORTHWEST CORNER OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=880.41

0 20 40
SCALE: 1"=20'

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LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY LINE
	ADJOINING PROPERTY LINE
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT

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No.	REVISION
1	
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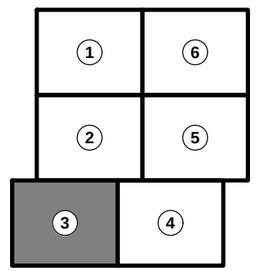
SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

DIMENSIONAL CONTROL PLAN



KEY MAP
(NOT TO SCALE)

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C05.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 DIMENSIONAL CONTROL PLAN 1.dwg

MATCHLINE SEE SHEET C05.02

MATCHLINE SEE SHEET C05.05

MATCHLINE SEE SHEET C05.03

DETENTION CHAMBER
66,987.49 C.F.

PERMANENT ACCESS EASEMENT DOC. NO. 2021189137

EX. DROP INLET

EX. DROP INLET
RIM= 858.70
INV= 854.61

EX. SS MANHOLE
RIM= 847.42
INV= 836.03

S4967

N79° 48' 20"E 592.83'

351.34'
TO ADJACENT DRIVEWAY

518.26' FROM PROP. DRIVEWAY TO EX. DRIVEWAY

BM1
A CHISELED "[X]" ON THE TOP OF CURB
AT THE NORTH NORTHEAST CURB RETURN
OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD
AND LYING APPROXIMATELY 160 FEET NORTH
AND 50 FEET WEST OF THE SOUTHWEST CORNER
OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=864.77

0 20 40
SCALE: 1"=20'

LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY
	ADJOINING PROPERTY LINES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT

KEY MAP
(NOT TO SCALE)

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No.	REVISION
1	
2	
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

DIMENSIONAL CONTROL PLAN

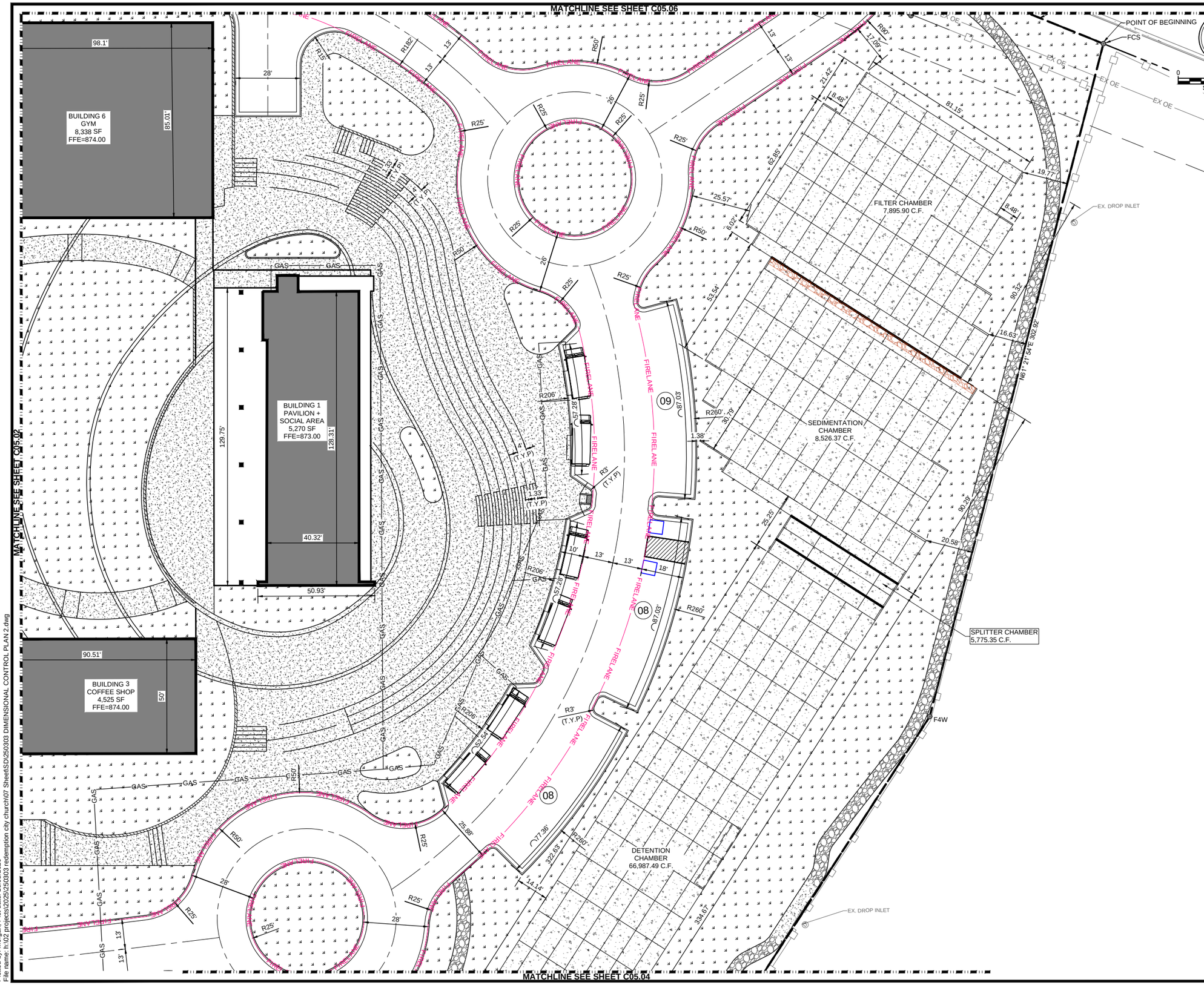
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO.: 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C05.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 DIMENSIONAL CONTROL PLAN 2.dwg



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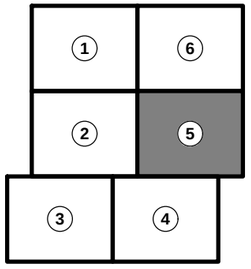
LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY
	ADJOINING PROPERTY LINES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT

NOTES:
1. NO OVERHEAD OBSTRUCTIONS ACROSS THE FIRE LANE SHALL BE LOWER THAN 13 FEET 6 INCHES.
2. NO CONSTRUCTION INVOLVING COMBUSTIBLE MATERIALS SHALL TAKE PLACE UNTIL THE FIRE LANE AND FIRE HYDRANTS ARE INSTALLED AND OPERATIONAL.



KEY MAP
(NOT TO SCALE)

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No.	REVISION
1	
2	
3	
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SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

DIMENSIONAL CONTROL PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C05.05

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 DIMENSIONAL CONTROL PLAN 2.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC

S DISC, MARKED "TX RPLS 4967",
THE TOP OF CURB ON THE WEST SIDE
OCONTO DRIVE APPROXIMATELY 10 FEET EAST
MOST EASTERLY NORTHEAST CORNER
TRACT OF LAND DESCRIBED ABOVE.
71.46

MATCHLINE SEE SHEET C05.01

REMAINING PORTION OF
DRAINAGE EASEMENT
DOC. NO. 2011007024
DOC. NO. 2017020768

N21° 09' 23"W 279.91'

OCONTO DRIVE
[60' RIGHT-OF-WAY]

FMN 4W

524.40'
FROM PROP. DRIVEWAY TO EX. DRIVEWAY

EX. DROP INLET

BLOCK "E"
THE WOODS OF BRUSHY CREEK
SECTION II - PHASE IV
CAB. L, SLDS. 159-163
P.R.W.C.T
ROUND ROCK ETJ

EX. OVERHEAD ELECTRIC

N21° 01' 19"W 50.04'

N21° 05' 26"W 62.50'

POINT OF BEGINNING
FCS

BUILDING 6
GYM
8,338 SF
FFE=874.00

98.1'
85.01'

MATCHLINE SEE SHEET C05.05

0 20 40
SCALE: 1"=20'

LEGEND	
LOC	LIMITS OF CONSTRUCTION
EX W	EXISTING WATER LINE
W	WATER LINE
F	FIRE LINE
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE
	BUILDING SETBACK
	SUBJECT PROPERTY
	ADJOINING PROPERTY LINES
	EXISTING WASTEWATER MANHOLE
	WASTEWATER MANHOLE
529	EXISTING CONTOUR
	BENCHMARK
	WATER VALVE
	IRON ROD FOUND (IRF)
	FIRE HYDRANT
	UTILITY PIPE CAP
	UTILITY PIPE CONTINUATION
10	PARKING COUNT

KEY MAP
(NOT TO SCALE)

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No.	REVISION
1	
2	
3	
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

DIMENSIONAL CONTROL PLAN

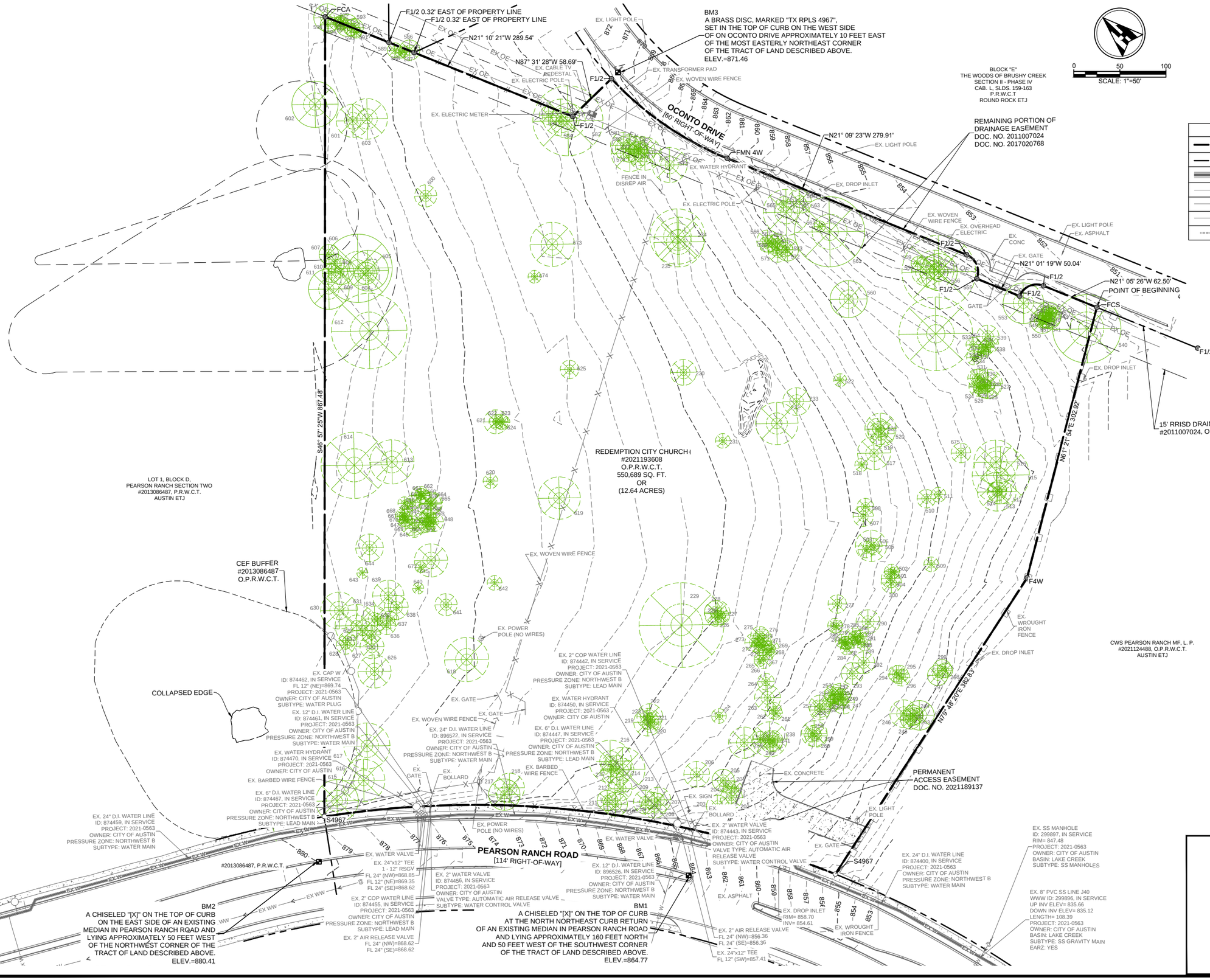
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C05.06

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 DIMENSIONAL CONTROL PLAN 2.dwg



LEGEND	
	SUBJECT PROPERTY LINE
	ADJOINING PROPERTY LINE
EX W	EXISTING WATER LINE
EX WW	EXISTING WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
EX OT	EXISTING OVERHEAD ELECTRIC
529	EXISTING CONTOUR

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No.	REVISION
1	
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SITE DEVELOPMENT PLANS
TO SERVE

REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

EXISTING CONDITIONS PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C06.00

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 EXISTING CONDITIONS.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC

BM3
A BRASS DISC, MARKED "TX RPLS 4967",
SET IN THE TOP OF CURB ON THE WEST SIDE
OF ON OCONTO DRIVE APPROXIMATELY 10 FEET EAST
OF THE MOST EASTERLY NORTHEAST CORNER
OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=871.46

N21° 10' 21"W 289.54'

N87° 31' 28"W 58.69'

EX. CABLE TV PEDESTAL

EX. ELECTRIC POLE

EX. LIGHT POLE

EX. TRANSFORMER PAD

EX. WOVEN WIRE FENCE

OCONTO DRIVE
[60' RIGHT-OF-WAY]

EX. ELECTRIC POLE

EX. LIGHT POLE

N21° 09' 23"W 279.91'

BLOCK "E"
THE WOODS OF BRUSHY CREEK
SECTION II - PHASE IV
CAB. L, SLDS. 159-163
P.R.W.C.T
ROUND ROCK ETJ

REMAINING PORTION OF
DRAINAGE EASEMENT
DOC. NO. 2011007024
DOC. NO. 2017020768

36' EX. CURB
TO BE REMOVED

32' EX. WOVEN
WIRE FENCE
TO BE REMOVED

EX. LIGHT POLE
EX. ASPHALT

EX. CONC

N21° 01' 19"W 50.04'

29' EX. CURB
TO BE REMOVED

N21° 05' 26"W 62.50'

EX. WOVEN
WIRE FENCE

EX. OVERHEAD
ELECTRIC

GATE

EX. DROP INLET

36' EX. WROUGHT IRON FENCE
TO BE REMOVED

15' RRISD DRAINAGE EASEMENT
#2011007024, O.P.R.W.C.T.

N61° 21' 54"E 302.92'

CEF BUFFER
#2013086487
O.P.R.W.C.T.

COLLAPSED EDGE

S46° 57' 25"W 867.48'

REDEMPTION CITY CHURCH
#2021193608
O.P.R.W.C.T.
550,689 SQ. FT.
OR
(12.642 ACRES)

LOT 1, BLOCK D,
PEARSON RANCH SECTION TWO
#2013086487, P.R.W.C.T.
AUSTIN ETJ

CWS PEARSON RANCH MF, L. P.
#2021124488, O.P.R.W.C.T.
AUSTIN ETJ

EX. WROUGHT
IRON FENCE

EX. DROP INLET

N19° 46' 20"E 382.83'

CEF BUFFER
#2013086487
O.P.R.W.C.T.

EX. POWER
POLE (NO WIRES)

828' EX. WOVEN WIRE FENCE
TO BE REMOVED

119' EX. BARRED
WIRE FENCE
TO BE REMOVED

237' EX. LINK FENCE
TO BE REMOVED

COLLAPSED EDGE

EX. POWER
POLE (NO WIRES)

EX.
BOLLARD

206 S.F. EX. SIDEWALK
TO BE REMOVED

328' EX. BARRED WIRE FENCE
TO BE REMOVED

40' EX. CURB
TO BE REMOVED

EX. CONCRETE

PERMANENT
ACCESS EASEMENT
DOC. NO. 2021189137

EX. SIGN

EX. LIGHT
POLE

EX. GATE

PEARSON RANCH ROAD
[114' RIGHT-OF-WAY]

#2013086487, P.R.W.C.T.

EX.
BOLLARD

EXISTING SIGN
TO BE REMOVED

EX. ASPHALT

BM2
A CHISELED "[X]" ON THE TOP OF CURB
ON THE EAST SIDE OF AN EXISTING
MEDIAN IN PEARSON RANCH ROAD AND
LYING APPROXIMATELY 50 FEET WEST
OF THE NORTHWEST CORNER OF THE
TRACT OF LAND DESCRIBED ABOVE.
ELEV.=880.41

BM1
A CHISELED "[X]" ON THE TOP OF CURB
AT THE NORTH NORTHEAST CURB RETURN
OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD
AND LYING APPROXIMATELY 160 FEET NORTH
AND 50 FEET WEST OF THE SOUTHWEST CORNER
OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=864.77

EX. DROP INLET
RIM= 858.70
INV= 854.61

EX. WROUGHT
IRON FENCE

EX. SS MANHOLE
RIM= 847.42
INV= 836.03

0 50 100
SCALE: 1"=50'

LEGEND

	AREA OF PAVEMENT TO BE REMOVED
	LINEAR FEATURE TO BE REMOVED
	TREE TO BE REMOVED

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No.	REVISION
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

DEMOLITION PLAN

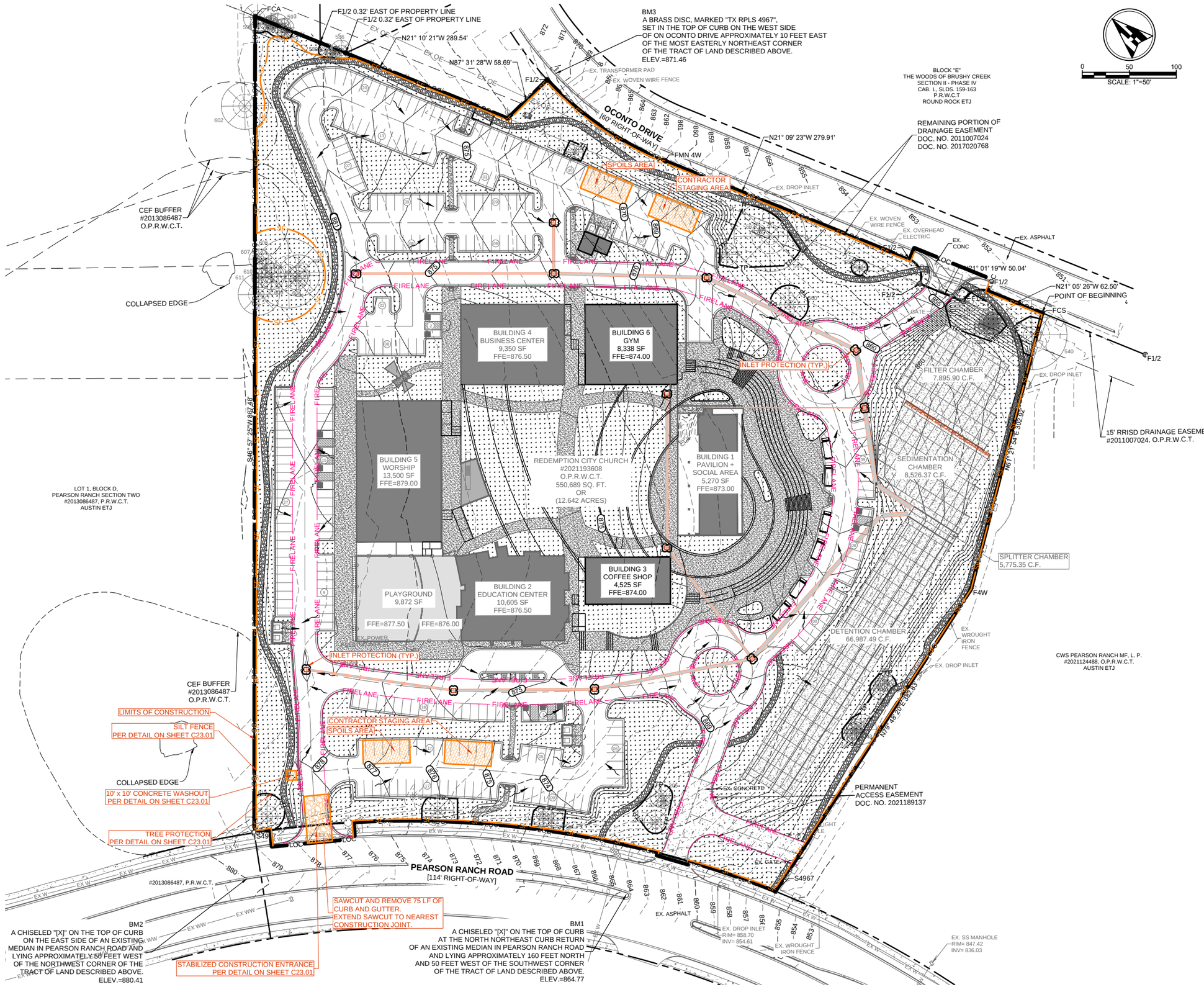
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C07.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 DEMOLITION PLAN.dwg



LEGEND	
LOC	LIMITS OF CONSTRUCTION (12.74 Ac.)
	INLET PROTECTION
SF	SILT FENCE
TP	TREE PROTECTION FENCE
	FLOW ARROW

NOTES:

1. THIS PROJECT WILL NOT REQUIRE ANY FORM OF PHASING OR SLOPE STABILIZATION.
2. REFER TO LANDSCAPE PLANS FOR RESEEDING AND REVEGETATION REQUIREMENTS.
3. NO PERMANENT EROSION CONTROL MEASURES WILL BE INSTALLED WITH THIS PROJECT.
4. REFER TO SHEET C23.01 FOR STANDARD DETAILS - ESC.
5. ALL MUD, DIRT, ROCKS, DEBRIS, ETC., SPILLED, TRACKED OR OTHERWISE DEPOSITED ON EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.
6. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.
7. ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS, GRASS MIXTURES OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED.
8. ALL DISTURBED AREAS SHALL BE RE-VEGETATED TO MEET THE REQUIREMENTS OF WILLIAMSON COUNTY ORDINANCES.
9. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR AT THE TIME OF CONSTRUCTION.

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL
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No.	REVISION
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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

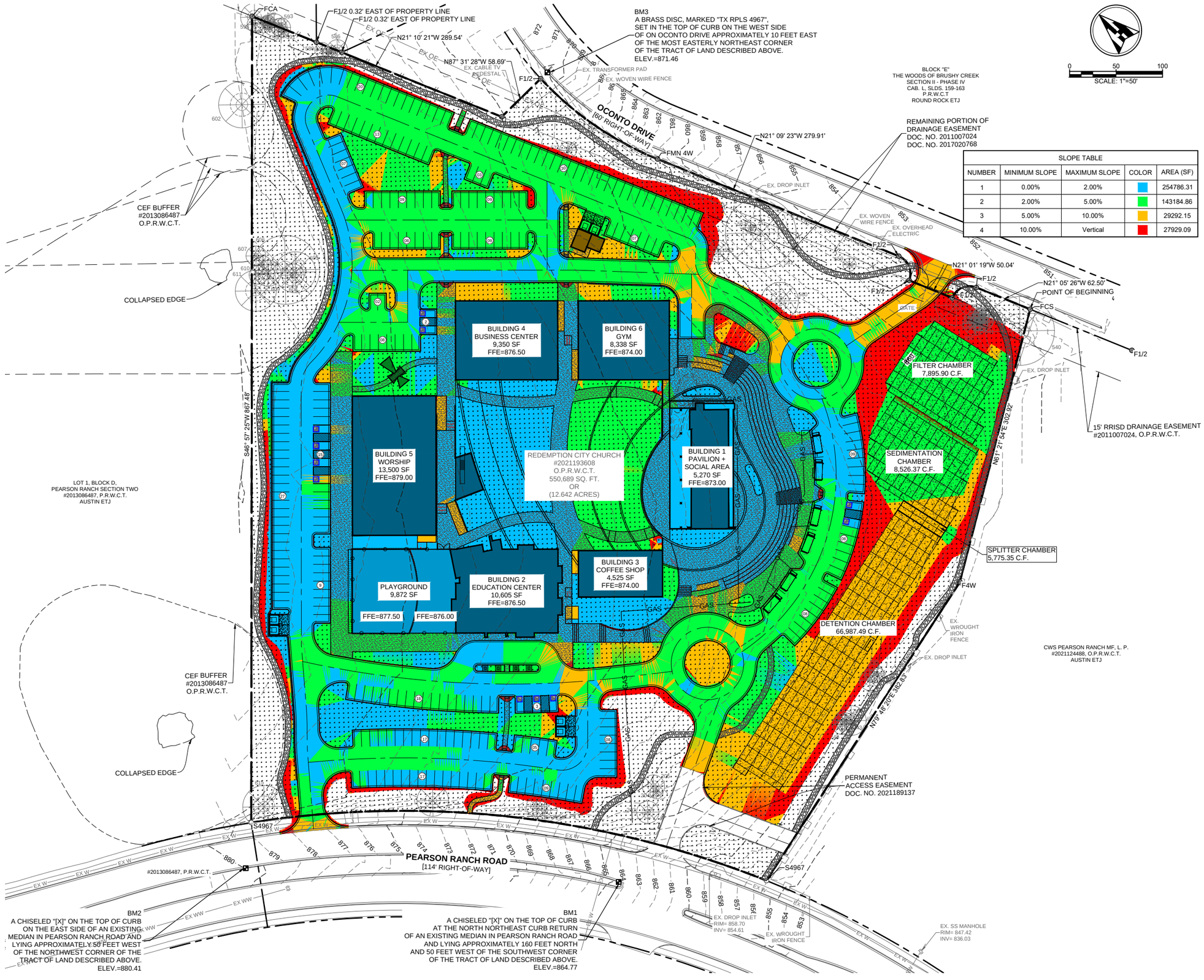
EROSION AND SEDIMENTATION CONTROL PLAN

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C08.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 1603/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 EROSION AND SEDIMENTATION CONTROL PLAN.dwg



SLOPE TABLE				
NUMBER	MINIMUM SLOPE	MAXIMUM SLOPE	COLOR	AREA (SF)
1	0.00%	2.00%		254786.31
2	2.00%	5.00%		143184.86
3	5.00%	10.00%		29292.15
4	10.00%	Vertical		27929.09

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1	
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3	
4	
5	

SITE DEVELOPMENT PLANS
TO SERVE

REDEMPTION CITY CHURCH

7601 PEARSON RANCH RD
AUSTIN, TX 78717

SLOPE MAP EXHIBIT

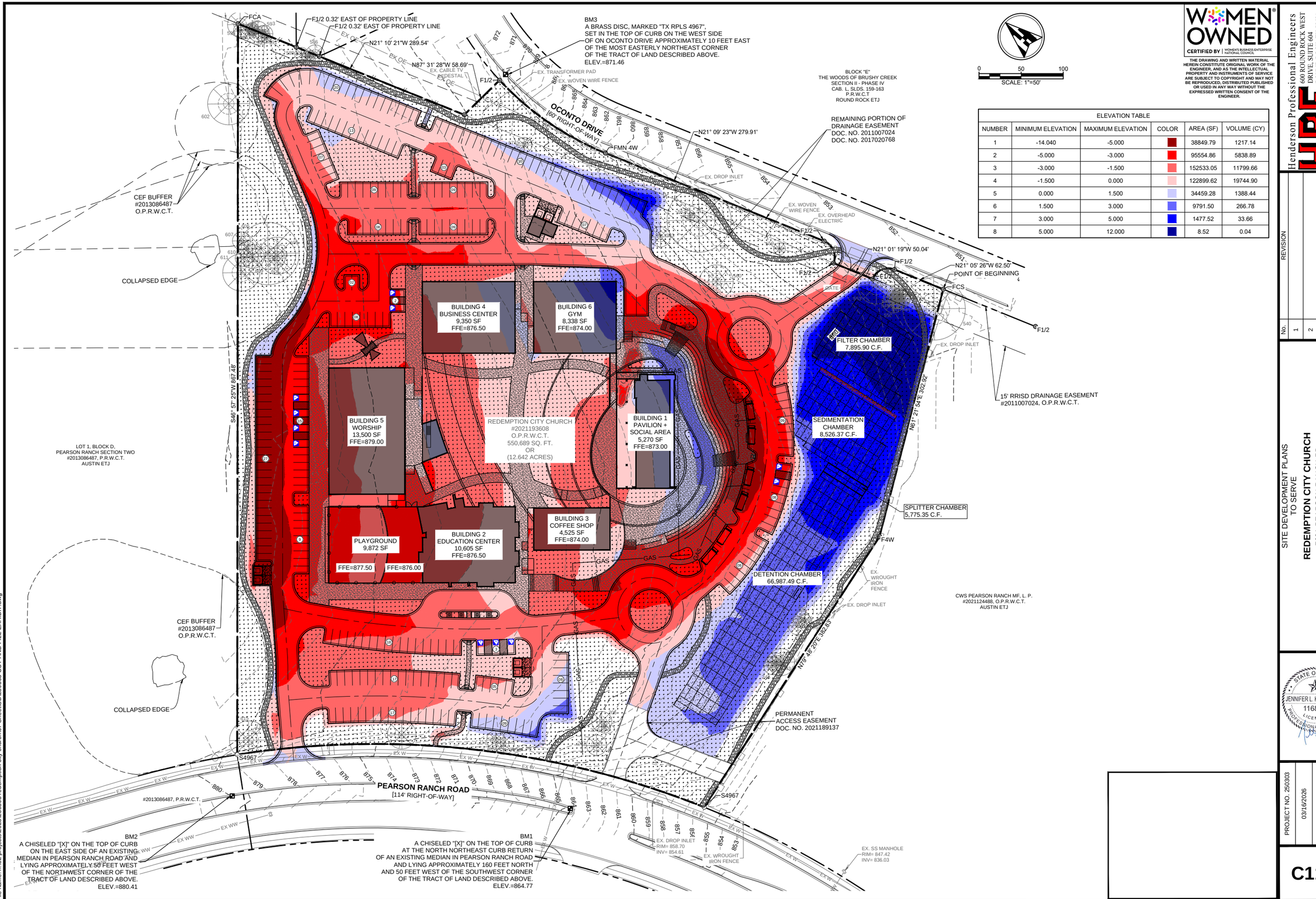
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C10.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 SLOPE MAP EXHIBIT.dwg



ELEVATION TABLE					
NUMBER	MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOR	AREA (SF)	VOLUME (CY)
1	-14.040	-5.000		38849.79	1217.14
2	-5.000	-3.000		95554.86	5838.89
3	-3.000	-1.500		152533.05	11799.66
4	-1.500	0.000		122899.62	19744.90
5	0.000	1.500		34459.28	1388.44
6	1.500	3.000		9791.50	266.78
7	3.000	5.000		1477.52	33.66
8	5.000	12.000		8.52	0.04

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4	
5	

SITE DEVELOPMENT PLANS
TO SERVE

REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

CUT AND FILL EXHIBIT

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C11.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 CUT AND FILL EXHIBIT.dwg

20' PUBLIC UTILITY EASEMENT
CAB. I, SL. 207 - 210,
CAD. L, SL. 159 - 163,
P.R.W.C.T.

CEF BUFFER
#2013086487
O.P.R.W.C.T.

COLLAPSED EDGE

LOT 18

BM3
A BRASS DISC, MARKED "TX RPLS 4967",
SET IN THE TOP OF CURB ON THE WEST SIDE
OF ON OCONTO DRIVE APPROXIMATELY 10 FEET EAST
OF THE MOST EASTERLY NORTHEAST CORNER
OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=871.46

0 20 40
SCALE: 1"=20'

MATCHLINE SEE SHEET C12.02

MATCHLINE SEE SHEET C12.02

FFE=876.50

BUILDING 6
FFE=874.00
8,338 SF
FFE=874.00

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LEGEND	
ADA	ACCESSIBLE ROUTE OF TRAVEL
TC	TOP OF CURB
G	GUTTER
TW	TOP OF WALL
BW	BOTTOM OF WALL
FG	FINISHED GRADE
FL	FLOWLINE
TP	TOP OF PAVEMENT
TI	TOP OF INLET
EG	EXISTING GRADE
HP	HIGH POINT
LP	LOW POINT
	FLOW ARROW
	FLOW LINE

NOTES:
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No.	REVISION
1	
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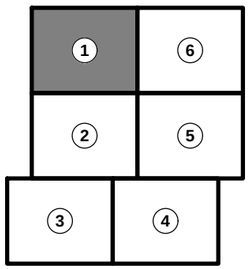
3	
4	
5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

GRADING PLAN



KEY MAP
(NOT TO SCALE)

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

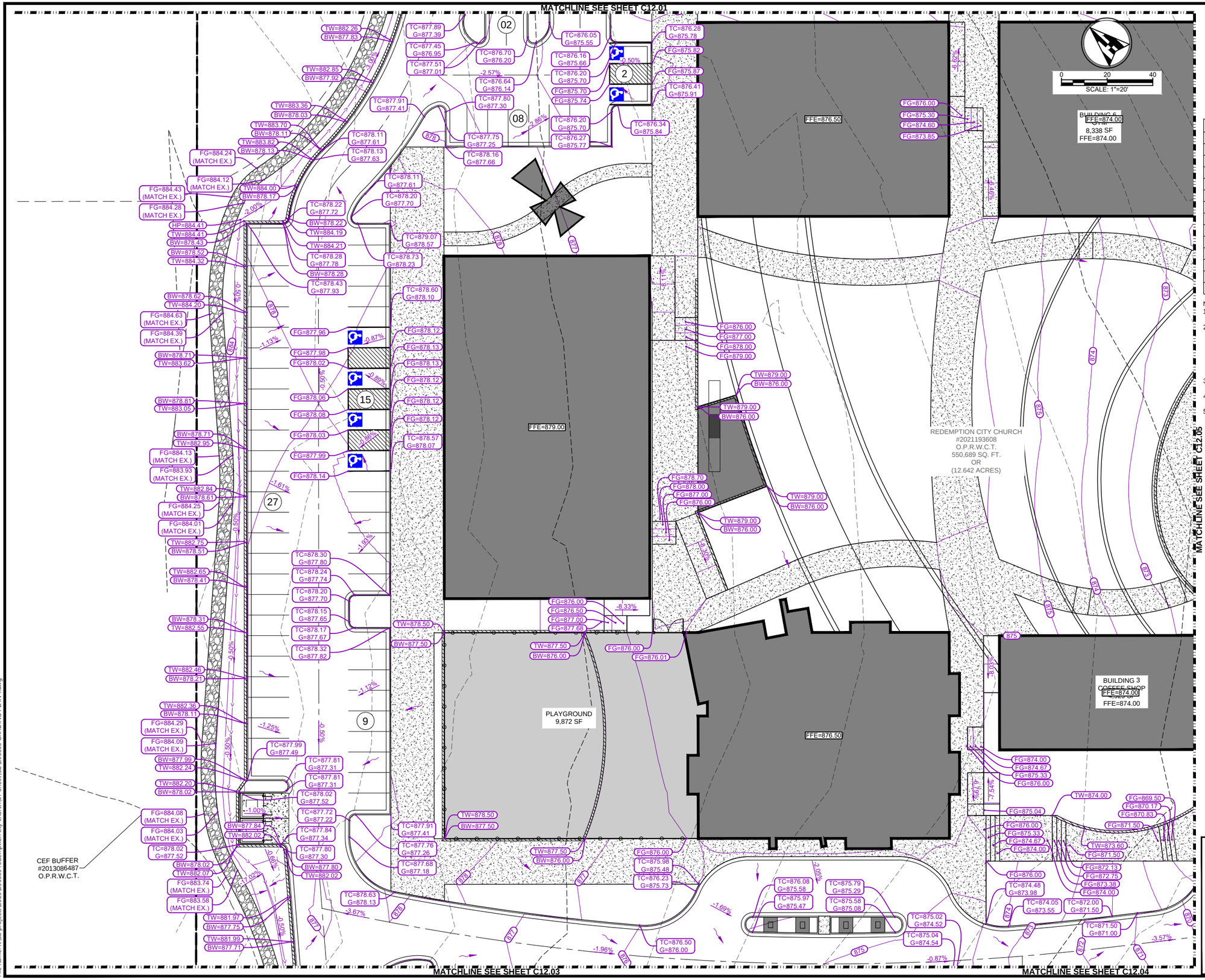
PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C12.01

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 GRADING PLAN1.dwg

MATCHLINE SEE SHEET C12.01



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G	GUTTER
TW	TOP OF WALL
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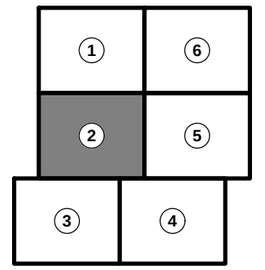
SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

GRADING PLAN



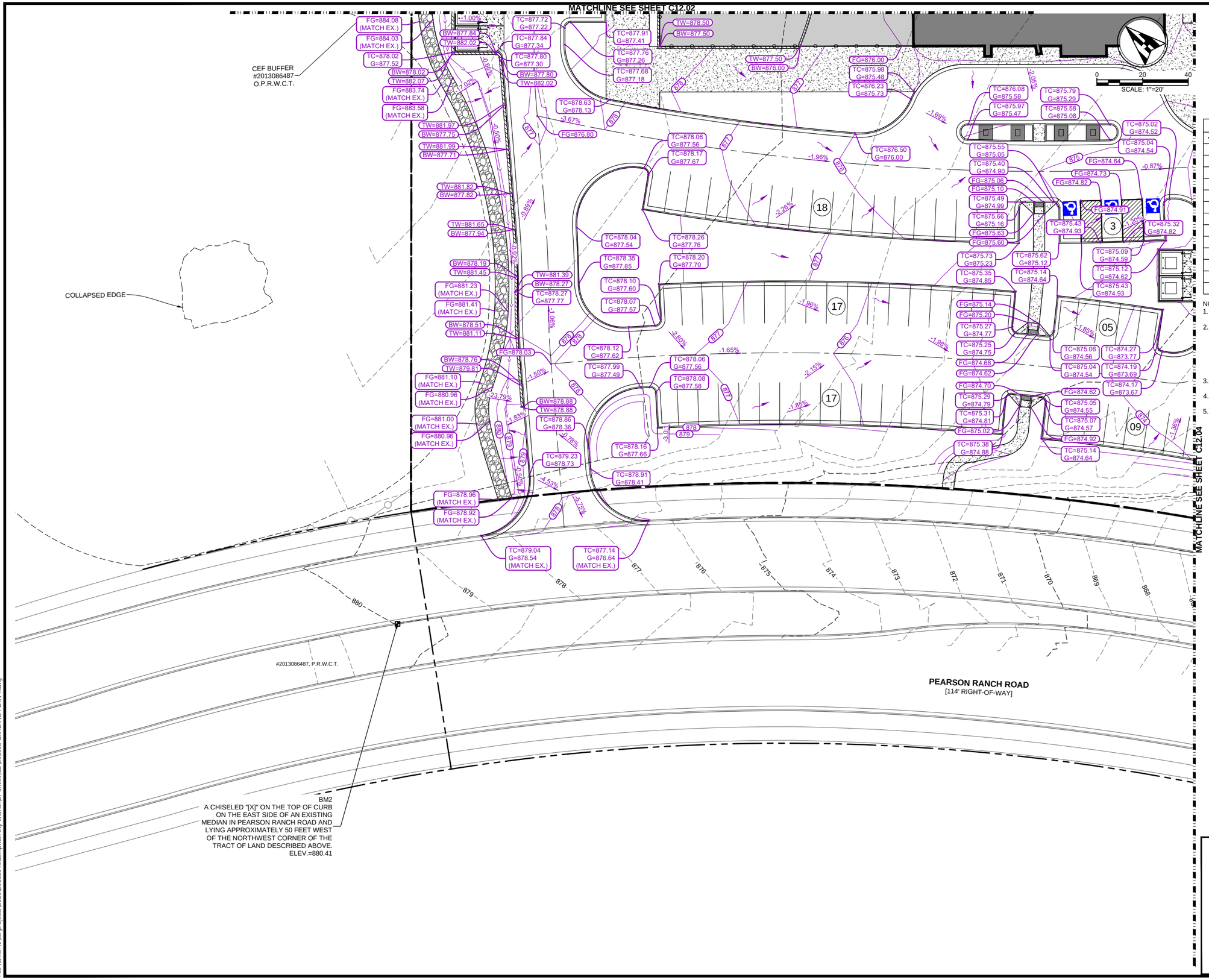
KEY MAP
(NOT TO SCALE)

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C12.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02_projects\2025\250303 redemption city church\07 Sheet\SD\250303 GRADING PLAN 1.dwg



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No.	REVISION
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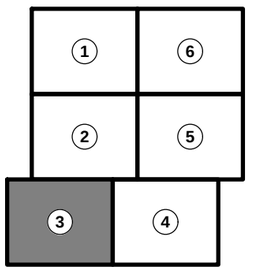
SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

GRADING PLAN



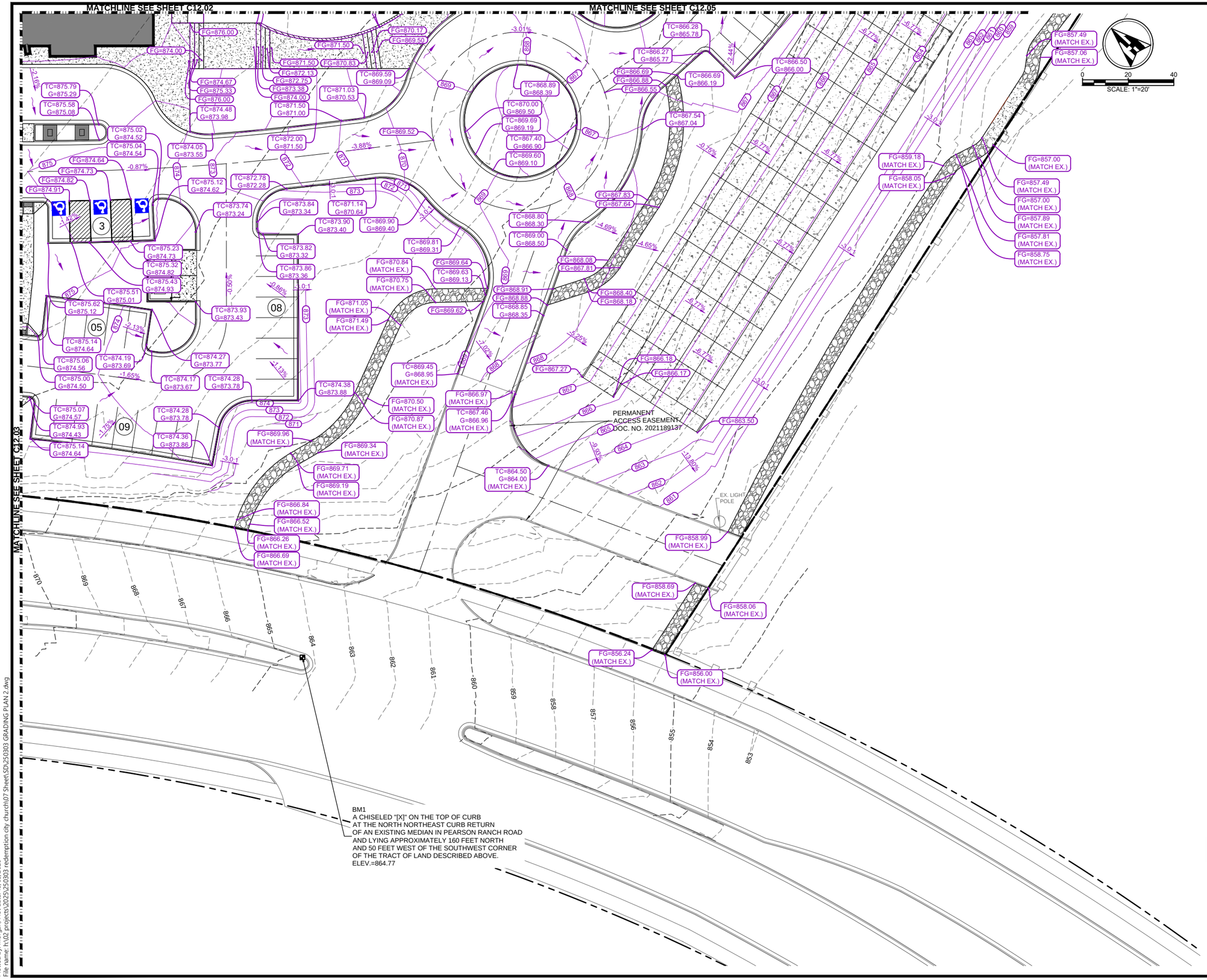
KEY MAP
(NOT TO SCALE)

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C12.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: H:\02_projects\2025\250303 redemption city church\07 Sheets\SD\250303 GRADING PLAN 1.dwg



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LEGEND

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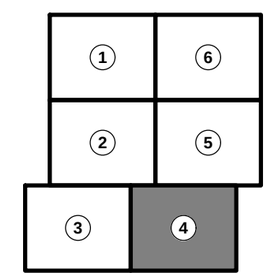

KEY MAP
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SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

GRADING PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C12.04

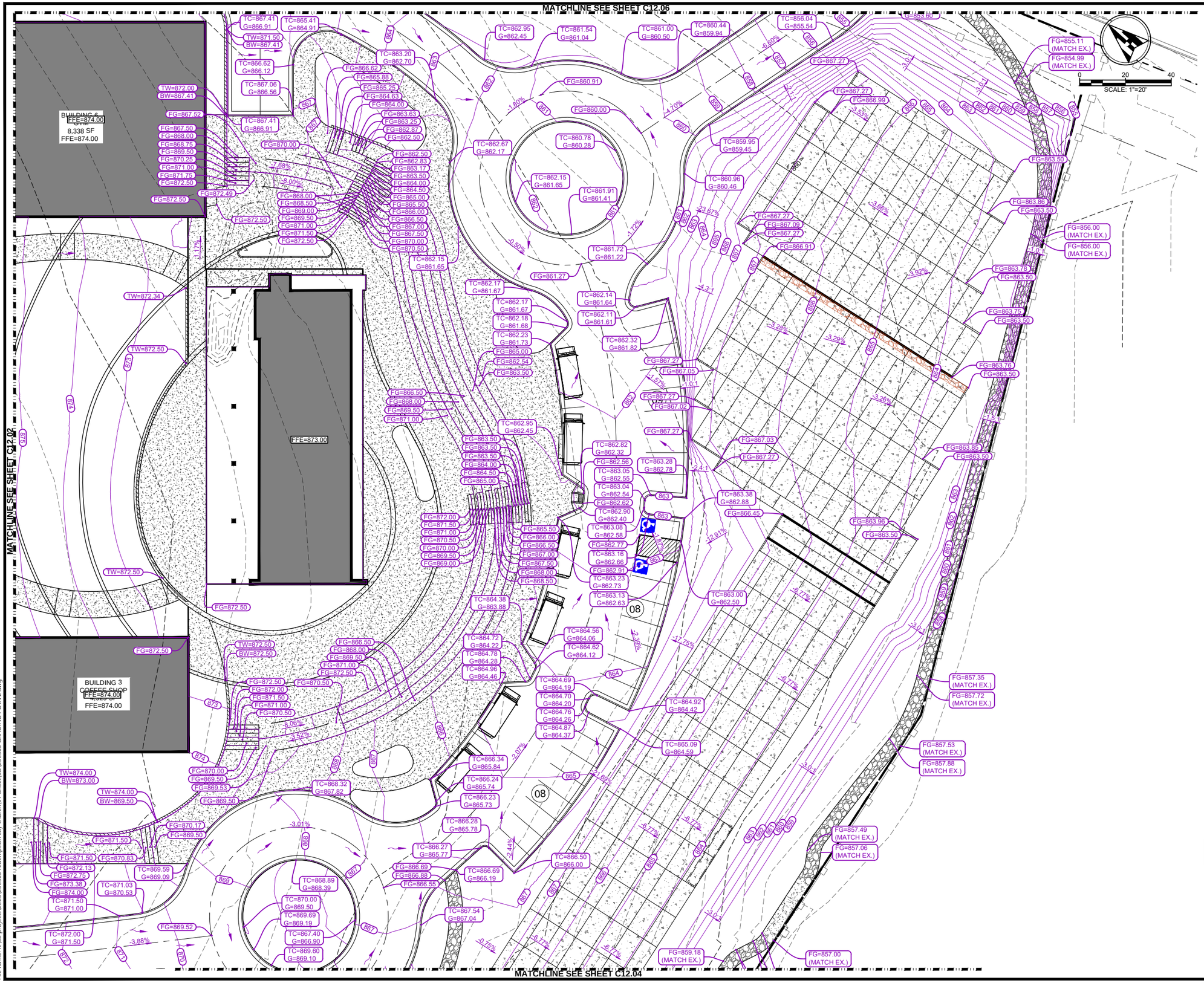
Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 GRADING PLAN 2.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC

MATCHLINE SEE SHEET C12.06

MATCHLINE SEE SHEET C12.07

MATCHLINE SEE SHEET C12.04



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No.	REVISION
1	
2	
3	
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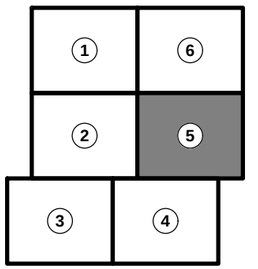
SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

GRADING PLAN



KEY MAP
(NOT TO SCALE)

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C12.05

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: N:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 GRADING PLAN 2.dwg

S DISC, MARKED "TX RPLS 4967",
HE TOP OF CURB ON THE WEST SIDE
OCONTO DRIVE APPROXIMATELY 10 FEET EAST
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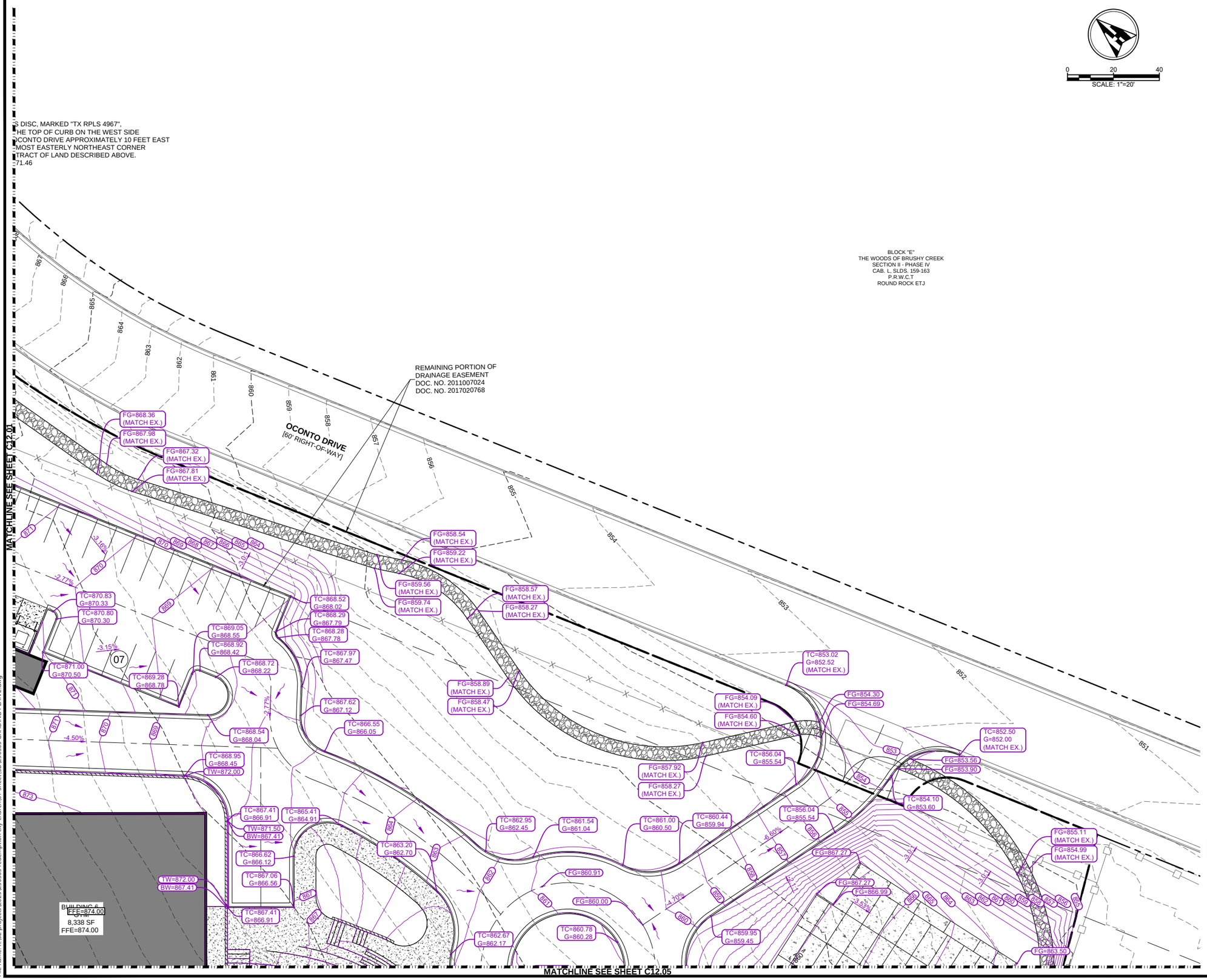
71.46



BLOCK "E"
THE WOODS OF BRUSHY CREEK
SECTION II - PHASE IV
CAB. L, SLDS. 159-163
P.R.W.C.T
ROUND ROCK ETJ

0 20 40
SCALE: 1"=20'

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No.	REVISION
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SITE DEVELOPMENT PLANS
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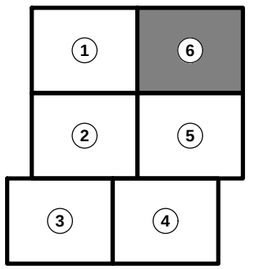
AUSTIN, TX 78717

GRADING PLAN



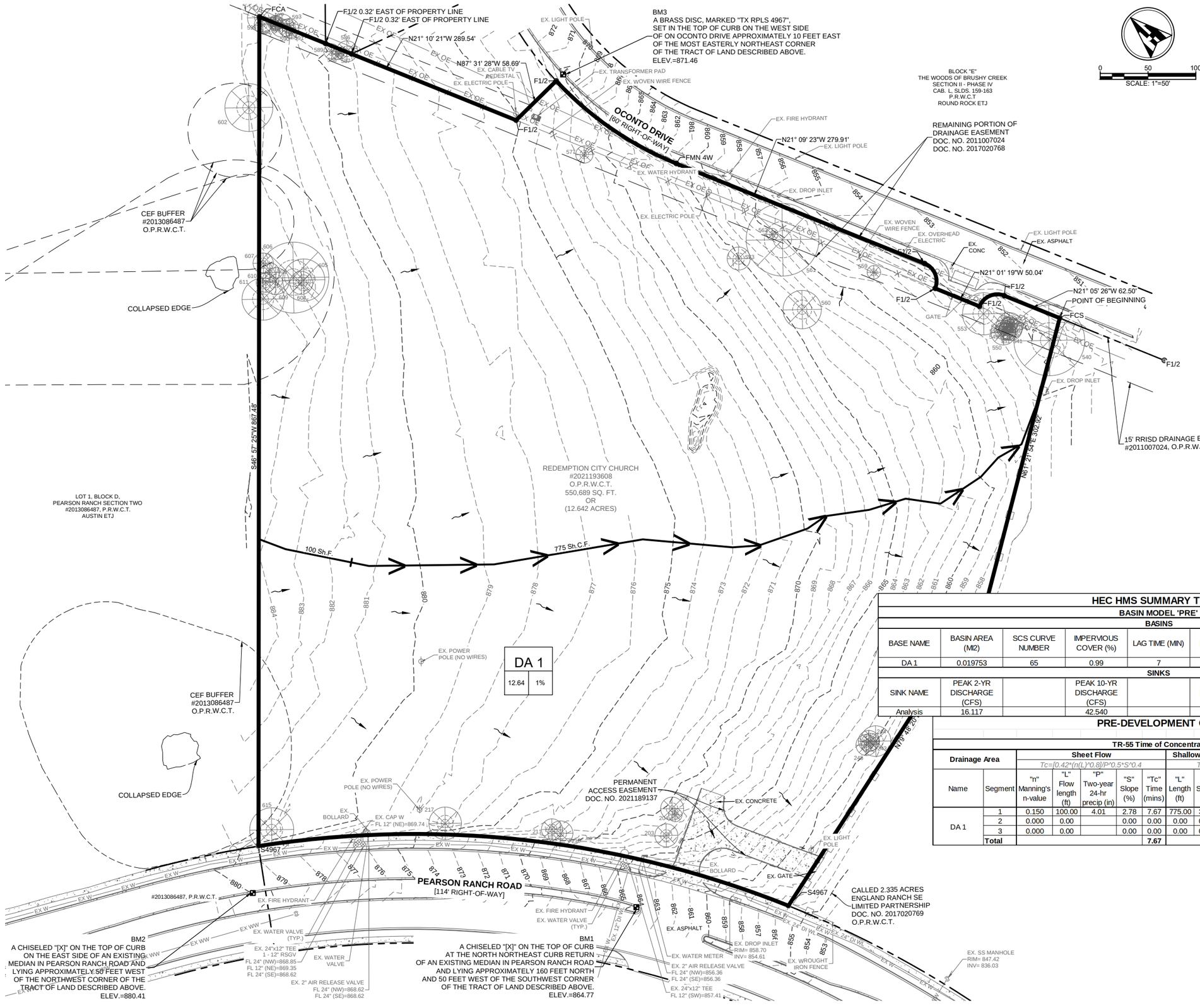
KEY MAP
(NOT TO SCALE)

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C12.06

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02_projects\2025\250303 redemption city church\07 Sheet\SD\250303 GRADING PLAN 2.dwg



LEGEND

DA 1 / 0.90 / 0%	DRAINAGE AREA LABEL AREA NAME, AREA (ACRES), IMPERVIOUS COVER PERCENTAGE
X	ANALYSIS POINT
100 LF Sh.F.	SHEET FLOW SEGMENT OF TIME OF CONCENTRATION (Tc) PATH
500 LF Sh.C.F.	SHALLOW CONCENTRATED FLOW SEGMENT OF Tc PATH
500 LF Ch.F.	CHANNELIZED FLOW SEGMENT OF Tc PATH
	FLOW ARROW

HEC HMS SUMMARY TABLE

BASIN MODEL 'PRE'

BASINS

BASE NAME	BASIN AREA (MI2)	SCS CURVE NUMBER	IMPERVIOUS COVER (%)	LAG TIME (MIN)	PEAK 2-YR DISCHARGE (CFS)	PEAK 10-YR DISCHARGE (CFS)	PEAK 25-YR DISCHARGE (CFS)	PEAK 100-YR DISCHARGE (CFS)
DA 1	0.019753	65	0.99	7	16.117	42.540	63.127	100.847

SINKS

SINK NAME	PEAK 2-YR DISCHARGE (CFS)		PEAK 10-YR DISCHARGE (CFS)		PEAK 25-YR DISCHARGE (CFS)		PEAK 100-YR DISCHARGE (CFS)	
Analysis	16.117		42.540		63.127		100.847	

PRE-DEVELOPMENT CALCULATIONS

TR-55 Time of Concentration Calculations

Drainage Area		Sheet Flow					Shallow Concetrated Flow				Channel Flow					Total Travel Time (Tc)
		Tc=[0.42*(n(L)^0.8]/[P^0.5*S^0.4					Tc=L/3600*V				Tc=L/3600*V					
Name	Segment	"n" Manning's n-value	"L" Flow length (ft)	"P" Two-year 24-hr precip (in)	"S" Slope (%)	"Tc" Time (mins)	"L" Length (ft)	"S" Slope (%)	"V" Velocity (ft/s)	"Tc" Time (mins)	"S" Slope (%)	"n" Manning's n-value	"L" Length (ft)	"V" Velocity (ft/s)	"Tc" Time (mins)	
DA 1	1	0.150	100.00	4.01	2.78	7.67	775.00	3.48	3.01	4.29	0.00	0.000	0.00	0.00	0.00	
	2	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	3	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	Total					**7.67**				**4.29**					**0.00**	**12**

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PRE-DEVELOPMENT DRAINAGE AREA MAP

JENNIFER L HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C13.00

COUNTY PROJECT NUMBER: 2025-1563-COC

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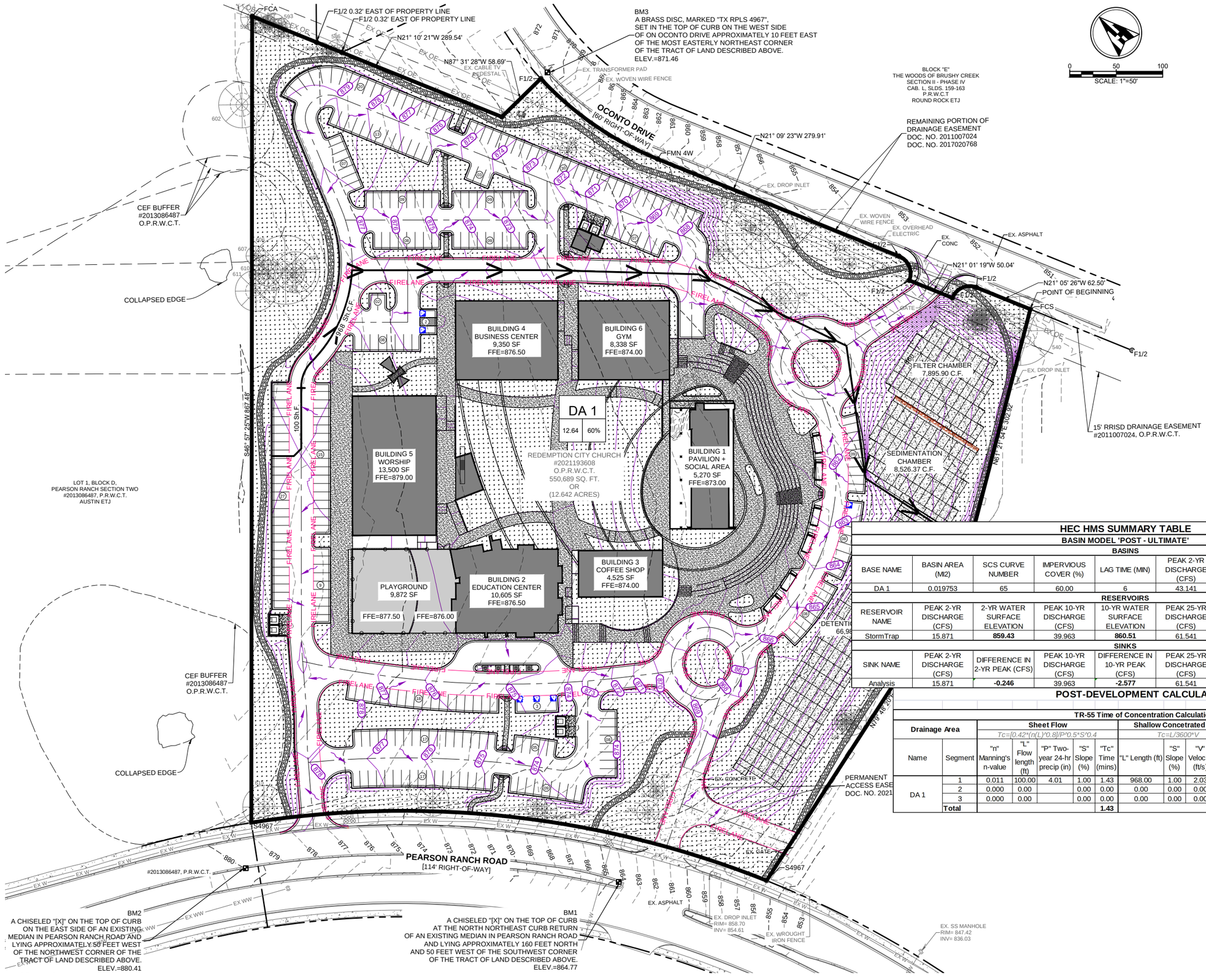

LEGEND

DA 1 / 0.90 / 0%	DRAINAGE AREA LABEL AREA NAME, AREA (ACRES), IMPERVIOUS COVER PERCENTAGE
X	ANALYSIS POINT
100 LF Sh.F.	SHEET FLOW SEGMENT OF TIME OF CONCENTRATION (Tc) PATH
500 LF Sh.C.F.	SHALLOW CONCENTRATED FLOW SEGMENT OF Tc PATH
500 LF Ch.F.	CHANNELIZED FLOW SEGMENT OF Tc PATH
	FLOW ARROW

HEC HMS SUMMARY TABLE

BASIN MODEL 'POST - ULTIMATE'

BASINS

BASE NAME	BASIN AREA (MI2)	SCS CURVE NUMBER	IMPERVIOUS COVER (%)	LAG TIME (MIN)	PEAK 2-YR DISCHARGE (CFS)	PEAK 10-YR DISCHARGE (CFS)	PEAK 25-YR DISCHARGE (CFS)	PEAK 100-YR DISCHARGE (CFS)
DA 1	0.019753	65	60.00	6	43.141	72.356	93.613	131.022

RESERVOIRS

RESERVOIR NAME	PEAK 2-YR DISCHARGE (CFS)	2-YR WATER SURFACE ELEVATION	PEAK 10-YR DISCHARGE (CFS)	10-YR WATER SURFACE ELEVATION	PEAK 25-YR DISCHARGE (CFS)	25-YR WATER SURFACE ELEVATION	PEAK 100-YR DISCHARGE (CFS)	100-YR WATER SURFACE ELEVATION
StormTrap	15.871	**859.43**	39.963	**860.51**	61.541	**861.10**	100.540	**861.97**

SINKS

SINK NAME	PEAK 2-YR DISCHARGE (CFS)	DIFFERENCE IN 2-YR PEAK (CFS)	PEAK 10-YR DISCHARGE (CFS)	DIFFERENCE IN 10-YR PEAK (CFS)	PEAK 25-YR DISCHARGE (CFS)	DIFFERENCE IN 25-YR PEAK (CFS)	PEAK 100-YR DISCHARGE (CFS)	DIFFERENCE IN 100-YR PEAK (CFS)
Analysis	15.871	**-0.246**	39.963	**-2.577**	61.541	**-1.586**	100.540	**-0.307**

POST-DEVELOPMENT CALCULATIONS

TR-55 Time of Concentration Calculations

Drainage Area		Sheet Flow					Shallow Concetrated Flow				Channel Flow					
		Tc=[0.42*(n(L)^0.8]/[P^0.5*S^0.4					Tc=L/3600*V				Tc=L/3600*V					
Name	Segment	"n" Manning's n-value	"L" Flow length (ft)	"P" Two-year 24-hr precip (in)	"S" Slope (%)	"Tc" Time (mins)	"L" Length (ft)	"S" Slope (%)	"V" Velocity (ft/s)	"Tc" Time (mins)	"S" Slope (%)	"n" Manning's n-value	"L" Length (ft)	"V" Velocity (ft/s)	"Tc" Time (mins)	
DA 1	1	0.011	100.00	4.01	1.00	1.43	968.00	1.00	2.03	7.94	0.00	0.000	0.00	0.00	0.00	
	2	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	3	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	Total					**1.43**				**7.94**					**0.00**	**9**

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POST-DEVELOPMENT DRAINAGE AREA MAP

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C14.00

Plotted by: Morgan, Plot date: 16/03/2026
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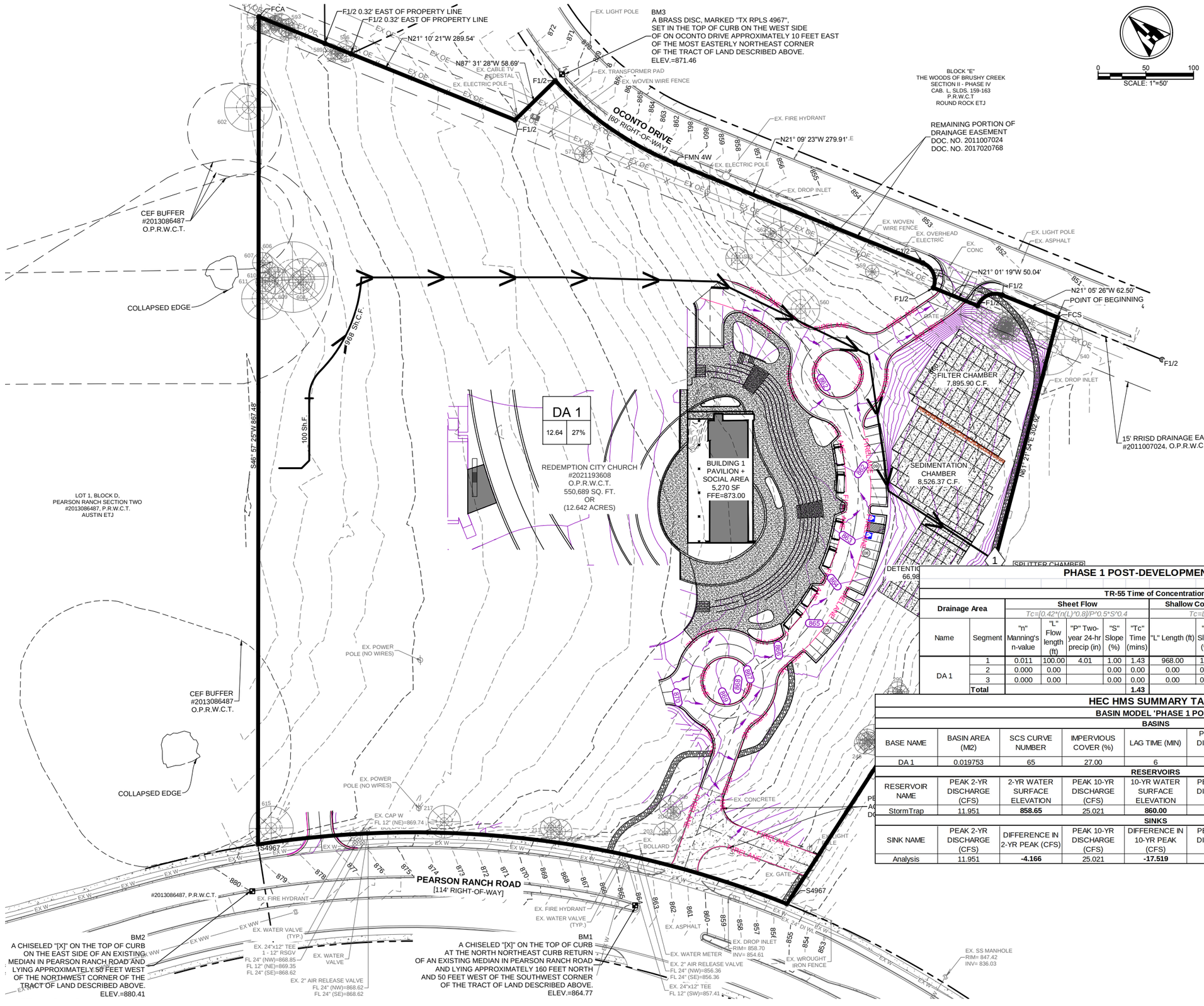

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LEGEND

DA 1 / 0.90 / 0%	DRAINAGE AREA LABEL AREA NAME, AREA (ACRES), IMPERVIOUS COVER PERCENTAGE
X	ANALYSIS POINT
100 LF Sh.F.	SHEET FLOW SEGMENT OF TIME OF CONCENTRATION (Tc) PATH
500 LF Sh.C.F.	SHALLOW CONCENTRATED FLOW SEGMENT OF Tc PATH
500 LF Ch.F.	CHANNELIZED FLOW SEGMENT OF Tc PATH
	FLOW ARROW

PHASE 1 POST-DEVELOPMENT CALCULATIONS

TR-55 Time of Concentration Calculations

Drainage Area		Sheet Flow Tc=[0.42*(n(L)^0.8)/P^0.5*S^0.4					Shallow Concetrated Flow Tc=L/3600*V				Channel Flow Tc=L/3600*V					
Name	Segment	"n" Manning's n-value	"L" Flow length (ft)	"P" Two-year 24-hr precip (in)	"S" Slope (%)	"Tc" Time (mins)	"L" Length (ft)	"S" Slope (%)	"V" Velocity (ft/s)	"Tc" Time (mins)	"S" Slope (%)	"n" Manning's n-value	"L" Length (ft)	"V" Velocity (ft/s)	"Tc" Time (mins)	
DA 1	1	0.011	100.00	4.01	1.00	1.43	968.00	1.00	2.03	7.94	0.00	0.000	0.00	0.00	0.00	
	2	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	3	0.000	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	
	Total					**1.43**				**7.94**					**0.00**	**9**

HEC HMS SUMMARY TABLE

BASIN MODEL 'PHASE 1 POST'

BASINS

BASE NAME	BASIN AREA (MI2)	SCS CURVE NUMBER	IMPERVIOUS COVER (%)	LAG TIME (MIN)	PEAK 2-YR DISCHARGE (CFS)	PEAK 10-YR DISCHARGE (CFS)	PEAK 25-YR DISCHARGE (CFS)	PEAK 100-YR DISCHARGE (CFS)
DA 1	0.019753	65	27.00	6	28.384	56.901	78.567	117.346

RESERVOIRS

RESERVOIR NAME	PEAK 2-YR DISCHARGE (CFS)	2-YR WATER SURFACE ELEVATION	PEAK 10-YR DISCHARGE (CFS)	10-YR WATER SURFACE ELEVATION	PEAK 25-YR DISCHARGE (CFS)	25-YR WATER SURFACE ELEVATION	PEAK 100-YR DISCHARGE (CFS)	100-YR WATER SURFACE ELEVATION
StormTrap	11.951	**858.65**	25.021	**860.00**	45.022	**860.66**	85.130	**861.66**

SINKS

SINK NAME	PEAK 2-YR DISCHARGE (CFS)	DIFFERENCE IN 2-YR PEAK (CFS)	PEAK 10-YR DISCHARGE (CFS)	DIFFERENCE IN 10-YR PEAK (CFS)	PEAK 25-YR DISCHARGE (CFS)	DIFFERENCE IN 25-YR PEAK (CFS)	PEAK 100-YR DISCHARGE (CFS)	DIFFERENCE IN 100-YR PEAK (CFS)
Analysis	11.951	**-4.166**	25.021	**-17.519**	45.022	**-18.105**	85.130	**-15.717**

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PHASE 1 POST-DEVELOPMENT DRAINAGE AREA MAP

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

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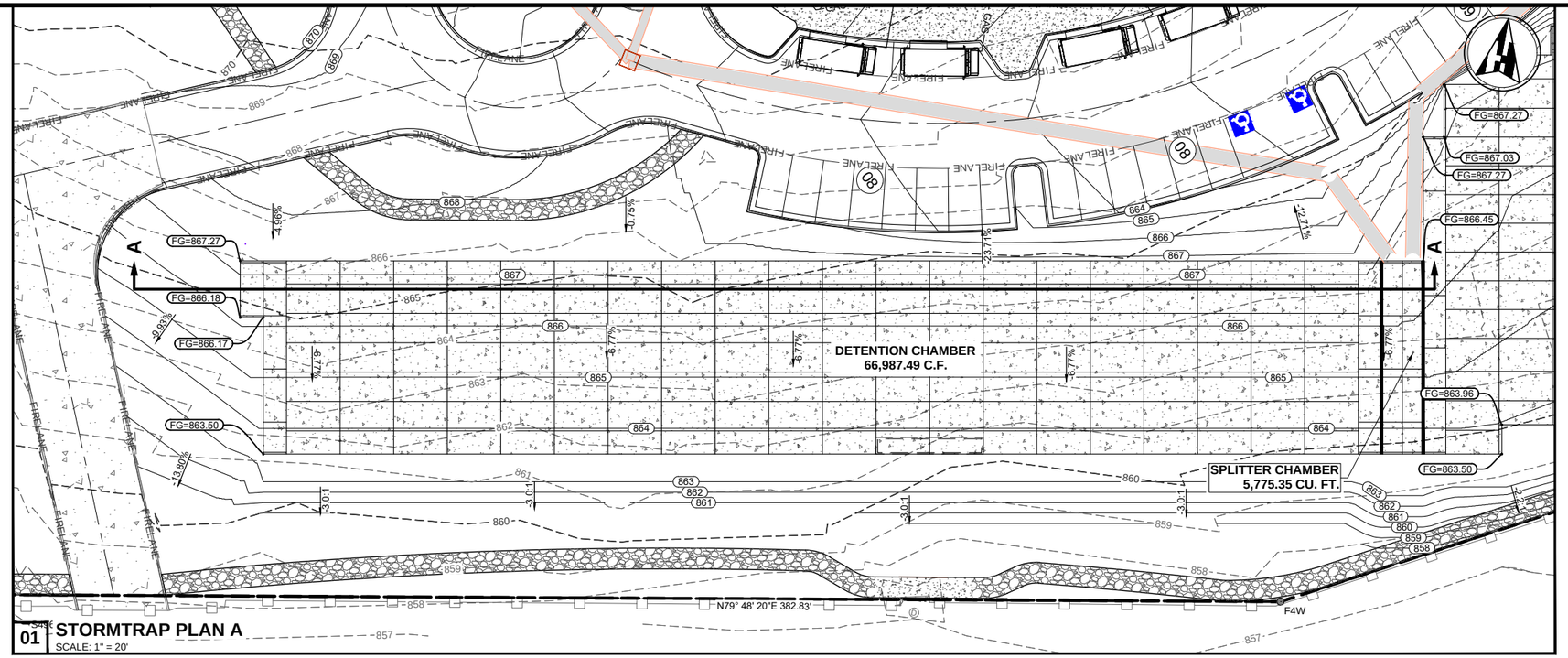
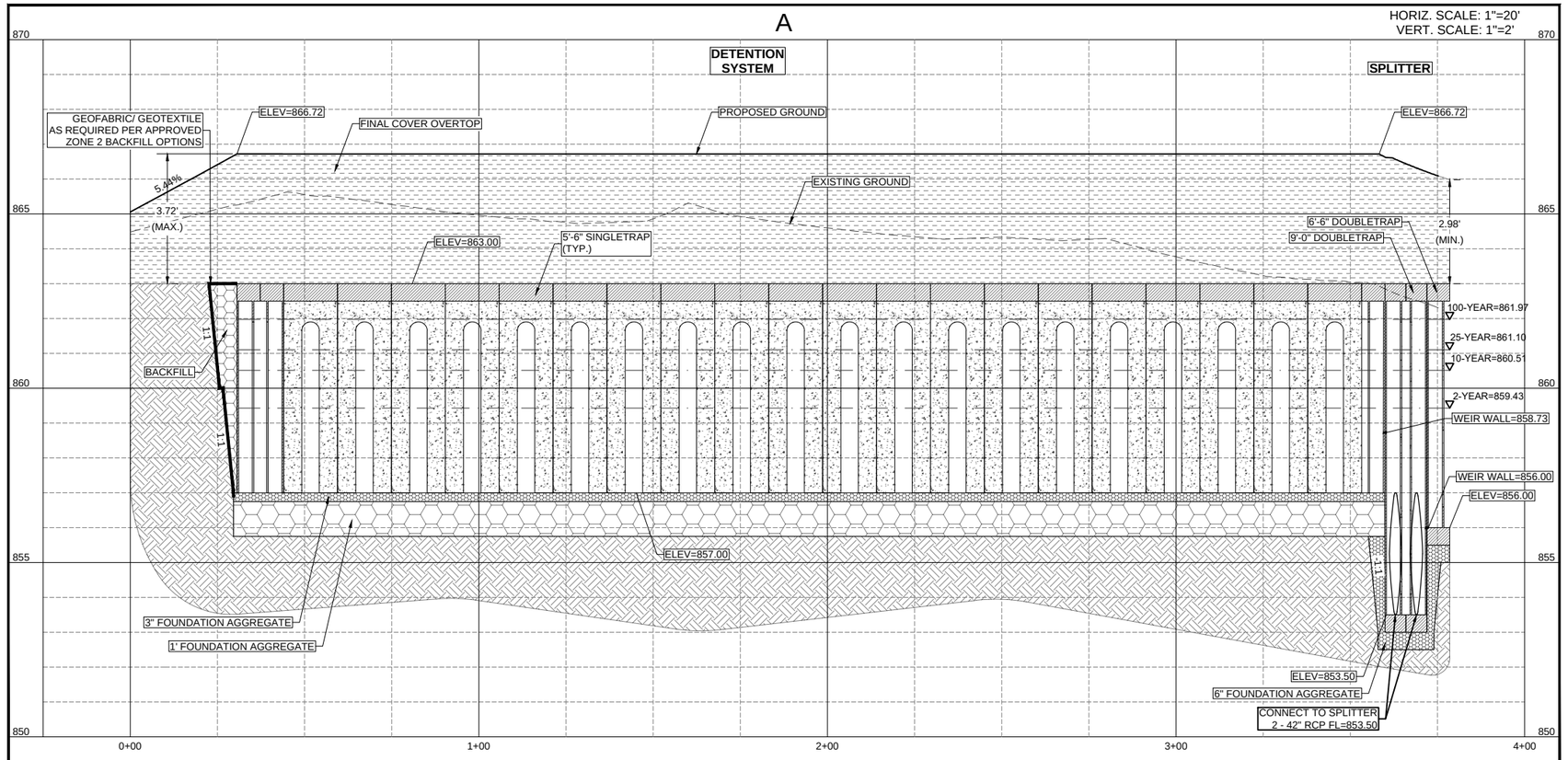
COUNTY PROJECT NUMBER: 2025-1563-COC



SHEET 01 **STORMTRAP PLAN A**
SCALE: 1" = 20'

StormTrap Detention Stage-Storage - Ultimate

.25' Interval Elevation	Storm Event	Storage Volume (cu. ft.)	Storage Volume (acre-ft)	Discharge (cfs)
857		0	-	0
857.25		4035.39	0.093	0
857.50		8070.78	0.185	0
857.75		12106.17	0.278	4.189
858.00		16141.56	0.371	7.225
858.25		20176.96	0.463	9.369
858.50		24212.35	0.556	11.040
858.75		28247.74	0.648	12.527
859.00		32283.13	0.741	13.901
859.25		36318.52	0.834	14.936
859.43	**2-yr**	39224.00	0.900	**15.871**
859.50		40353.91	0.926	16.556
859.75		44389.30	1.019	19.124
860.00		48424.69	1.112	25.973
860.25		52460.09	1.204	33.556
860.50		56495.48	1.297	39.693
860.51	**10-yr**	56673.04	1.301	**39.963**
860.75		60530.87	1.390	48.749
861.00		64566.26	1.482	57.939
861.10	**25-yr**	66148.13	1.519	**61.541**
861.25		68601.65	1.575	70.499
861.50		72637.04	1.668	79.366
861.75		76672.43	1.760	87.321
861.97	**100-yr**	80207.43	1.841	**100.540**
862.00		80707.82	1.853	
862.25		84743.22	1.945	
862.50		88778.61	2.038	



SHEET 02 **STORMTRAP SECTION A**
SCALE: 1" = 20'

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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
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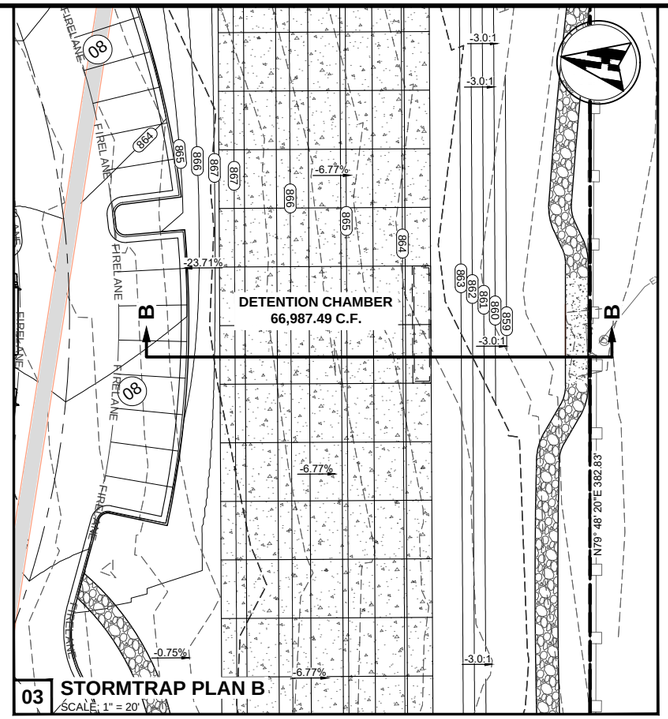
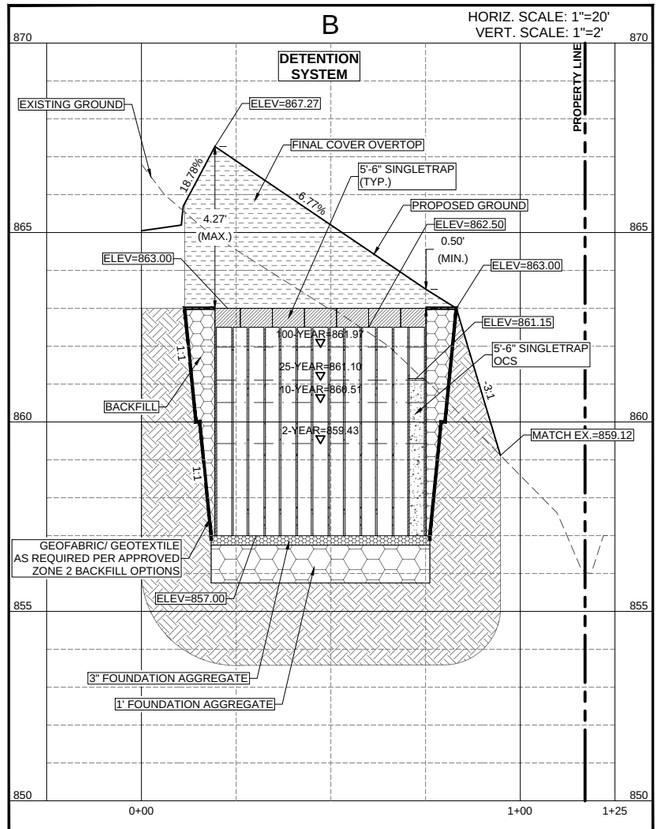


03 STORMTRAP PLAN B
SCALE: 1" = 20'



04 STORMTRAP SECTION B
SCALE: 1" = 20'

StormTrap Detention Stage-Storage - Ultimate

.25' Interval Elevation	Storm Event	Storage Volume (cu. ft.)	Storage Volume (acre-ft)	Discharge (cfs)
857		0	-	0
857.25		4035.39	0.093	0
857.50		8070.78	0.185	0
857.75		12106.17	0.278	4.189
858.00		16141.56	0.371	7.225
858.25		20176.96	0.463	9.369
858.50		24212.35	0.556	11.040
858.75		28247.74	0.648	12.527
859.00		32283.13	0.741	13.901
859.25		36318.52	0.834	14.936
859.43	**2-yr**	39224.00	0.900	**15.871**
859.50		40353.91	0.926	16.556
859.75		44389.30	1.019	19.124
860.00		48424.69	1.112	25.973
860.25		52460.09	1.204	33.556
860.50		56495.48	1.297	39.693
860.51	**10-yr**	56673.04	1.301	**39.963**
860.75		60530.87	1.390	48.749
861.00		64566.26	1.482	57.939
861.10	**25-yr**	66148.13	1.519	**61.541**
861.25		68601.65	1.575	70.499
861.50		72637.04	1.668	79.366
861.75		76672.43	1.760	87.321
861.97	**100-yr**	80207.43	1.841	**100.540**
862.00		80707.82	1.853	
862.25		84743.22	1.945	
862.50		88778.61	2.038	

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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
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03/16/2026

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03/16/2026
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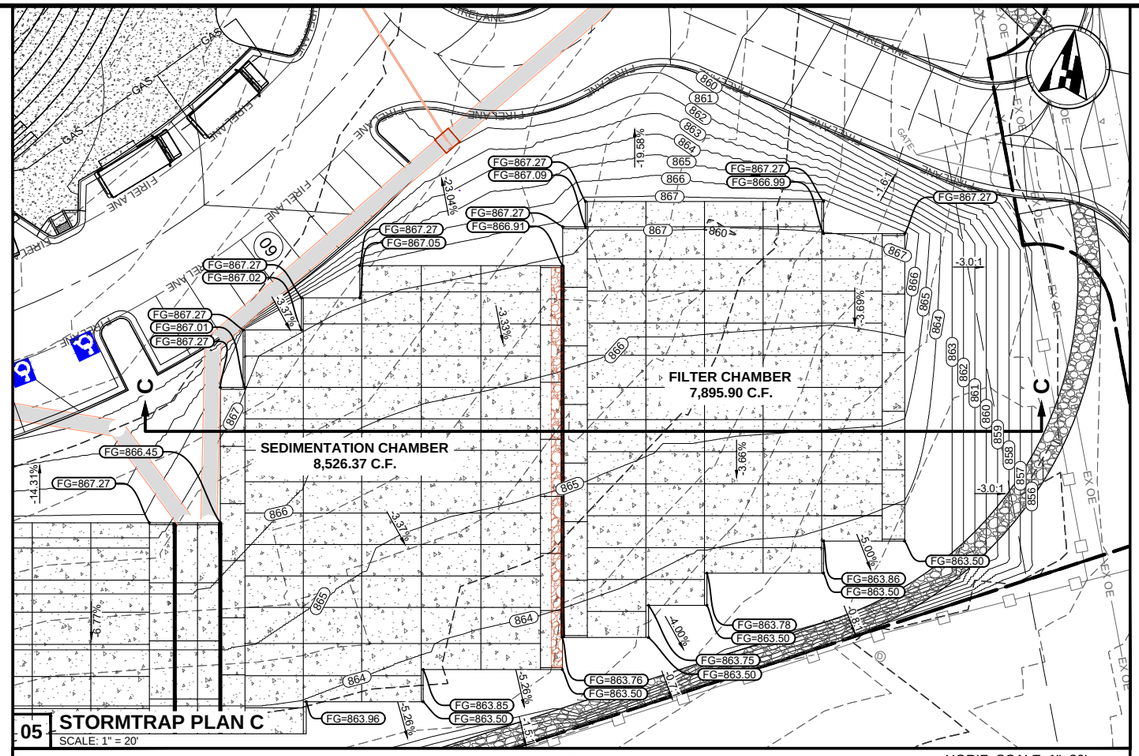
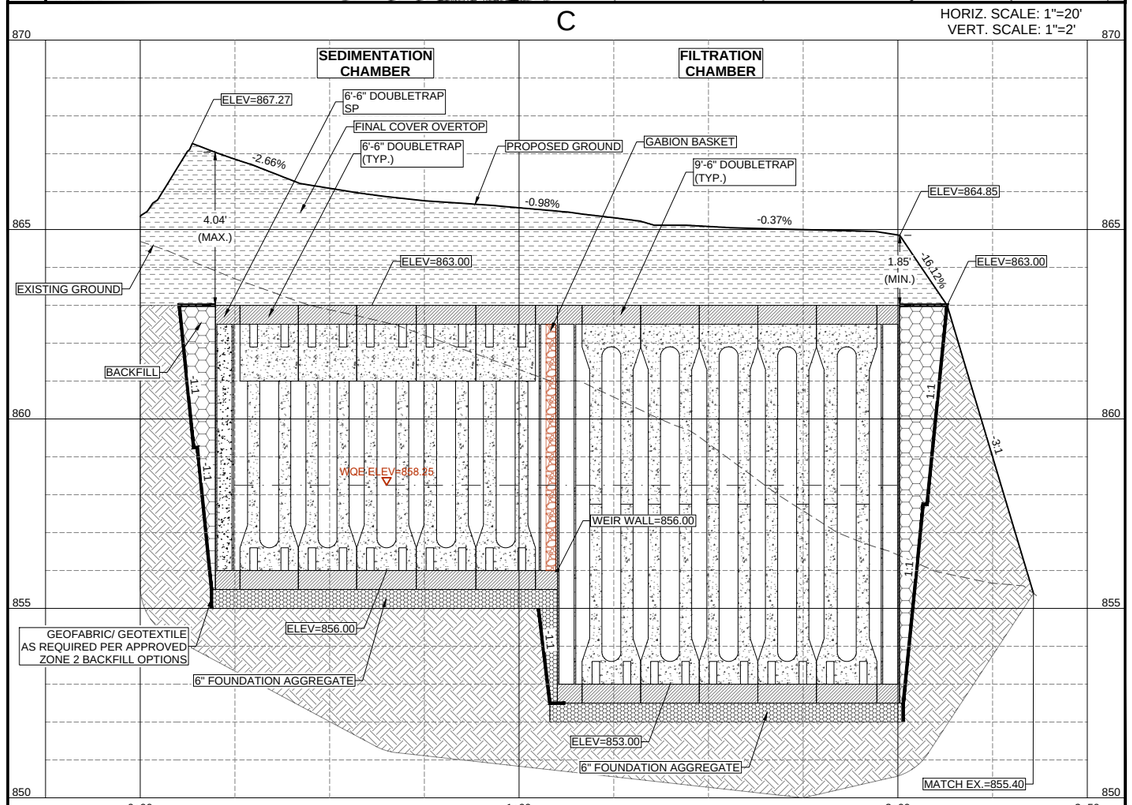


05 **STORMTRAP PLAN C**
SCALE: 1" = 20'



06 **STORMTRAP SECTION C**
SCALE: 1" = 20'

StormTrap Sedimentation Stage-Storage		
.25' Interval Elevation	Note	Sedimentation Volume
856.00		-
856.25		2192.47
856.50		4384.95
856.75		6577.42
857.00		8769.9
857.25		10962.37
857.50		13154.85
857.75		15347.32
858.00		17539.8
858.25	**WQE**	19732.27
858.50		21924.74
858.75		24117.22
859.00		26309.69
859.25		28502.17
859.50		30694.64
859.75		32887.12
860.00		35079.59
860.25		37272.06
860.50		39464.54
860.75		41657.01
861.00		43849.49
861.25		46041.96
861.50		48234.44
861.75		50426.91
862.00		52619.39
862.25		54811.86
862.50		57004.33
Area	**sq. ft.**	**8526.37**

StormTrap Filtration Stage-Storage		
.25' Interval Elevation	Note	Filtration Volume
856.00		-
856.25		2049.12
856.50		4098.25
856.75		6147.37
857.00		8196.5
857.25		10245.62
857.50		12294.75
857.75		14343.87
858.00		16393
858.25	**WQE**	18442.12
858.50		20491.24
858.75		22540.37
859.00		24589.49
859.25		26638.62
859.50		28687.74
859.75		30736.87
860.00		32785.99
860.25		34835.12
860.50		36884.24
860.75		38933.36
861.00		40982.49
861.25		43031.61
861.50		45080.74
861.75		47129.86
862.00		49178.99
862.25		51228.11
862.50		53277.24
Area	**sq. ft.**	**7895.9**

StormTrap Combined Water Quality Stage-Storage			
.25' Interval Elevation	Note	Combined Volume	Note
856.00		-	0
856.25		4241.59	
856.50		8483.2	
856.75		12724.79	
857.00		16966.4	
857.25		21207.99	
857.50		25449.6	
857.75		29691.19	
858.00		33932.8	
858.25	**WQE**	**38174.39**	**WQV**
858.50		42415.98	
858.75		46657.59	
859.00		50899.18	
859.25		55140.79	
859.50		59382.38	
859.75		63623.99	
860.00		67865.58	
860.25		72107.18	
860.50		76348.78	
860.75		80590.37	
861.00		84831.98	
861.25		89073.57	
861.50		93315.18	
861.75		97556.77	
862.00		101798.38	
862.25		106039.97	
862.50		110281.57	

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SITE DEVELOPMENT PLANS TO SERVE
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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

C15.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan Plot date: 16/03/2026
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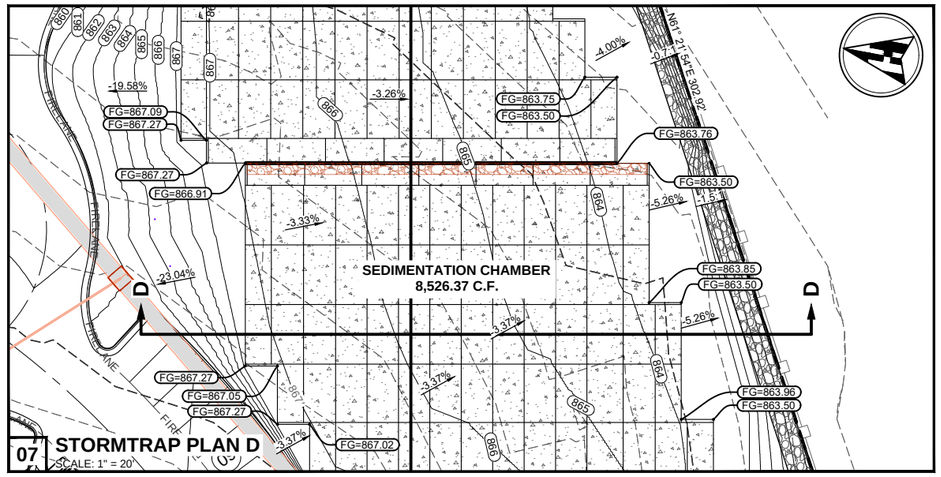
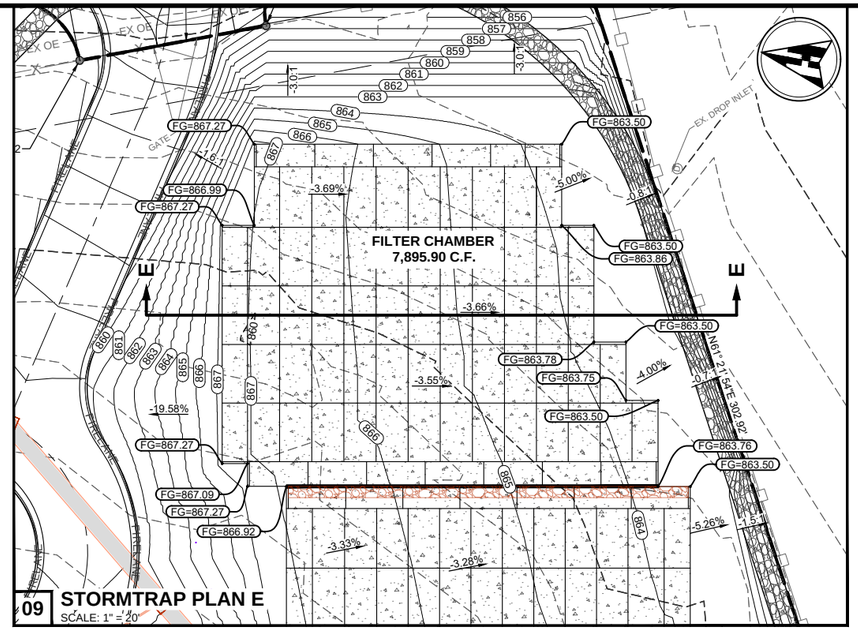
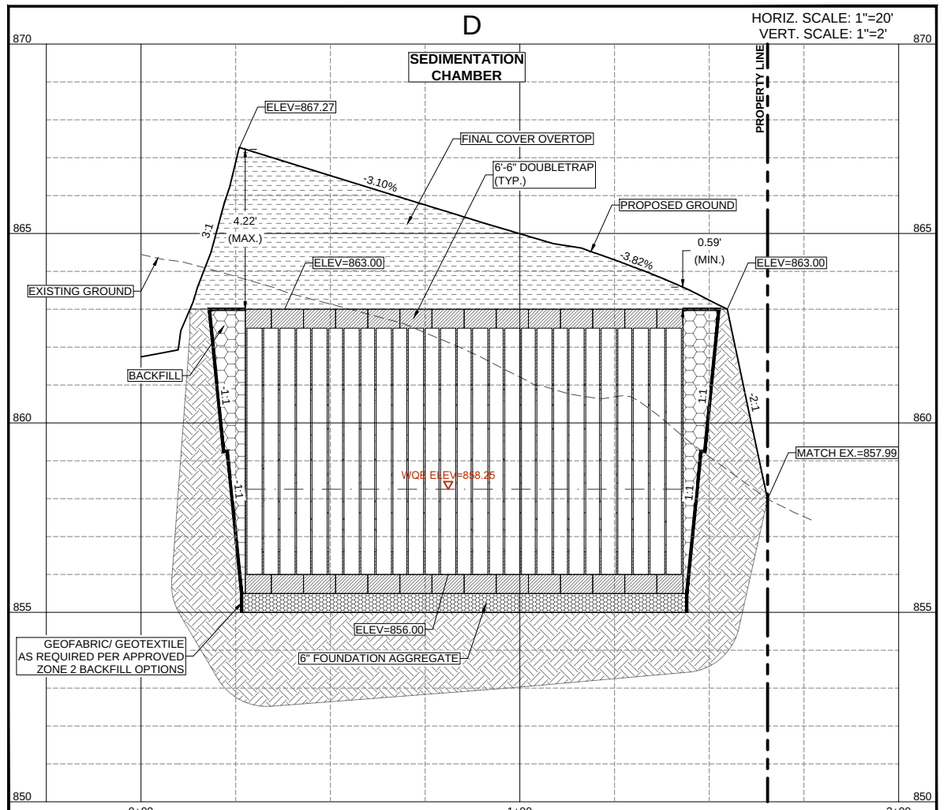


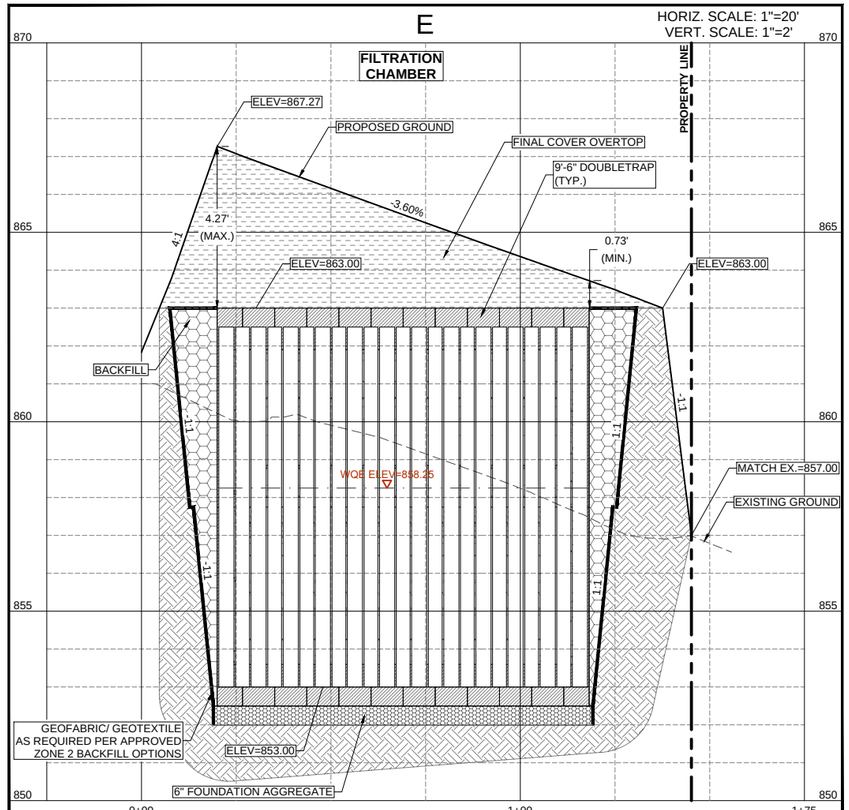
07 **STORMTRAP PLAN D**
SCALE: 1" = 20'



09 **STORMTRAP PLAN E**
SCALE: 1" = 20'



08 **STORMTRAP SECTION D**
SCALE: 1" = 20'



10 **STORMTRAP SECTION E**
SCALE: 1" = 20'

StormTrap Sedimentation Stage-Storage

.25' Interval Elevation	Note	Sedimentation Volume
856.00		-
856.25		2192.47
856.50		4384.95
856.75		6577.42
857.00		8769.9
857.25		10962.37
857.50		13154.85
857.75		15347.32
858.00		17539.8
858.25	**WQE**	19732.27
858.50		21924.74
858.75		24117.22
859.00		26309.69
859.25		28502.17
859.50		30694.64
859.75		32887.12
860.00		35079.59
860.25		37272.06
860.50		39464.54
860.75		41657.01
861.00		43849.49
861.25		46041.96
861.50		48234.44
861.75		50426.91
862.00		52619.39
862.25		54811.86
862.50		57004.33
Area	**sq. ft.**	**8526.37**

StormTrap Filtration Stage-Storage

.25' Interval Elevation	Note	Filtration Volume
856.00		-
856.25		2049.12
856.50		4098.25
856.75		6147.37
857.00		8196.5
857.25		10245.62
857.50		12294.75
857.75		14343.87
858.00		16393
858.25	**WQE**	18442.12
858.50		20491.24
858.75		22540.37
859.00		24589.49
859.25		26638.62
859.50		28687.74
859.75		30736.87
860.00		32785.99
860.25		34835.12
860.50		36884.24
860.75		38933.36
861.00		40982.49
861.25		43031.61
861.50		45080.74
861.75		47129.86
862.00		49178.99
862.25		51228.11
862.50		53277.24
Area	**sq. ft.**	**7895.9**

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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
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PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C15.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan Pot date: 16/03/2026
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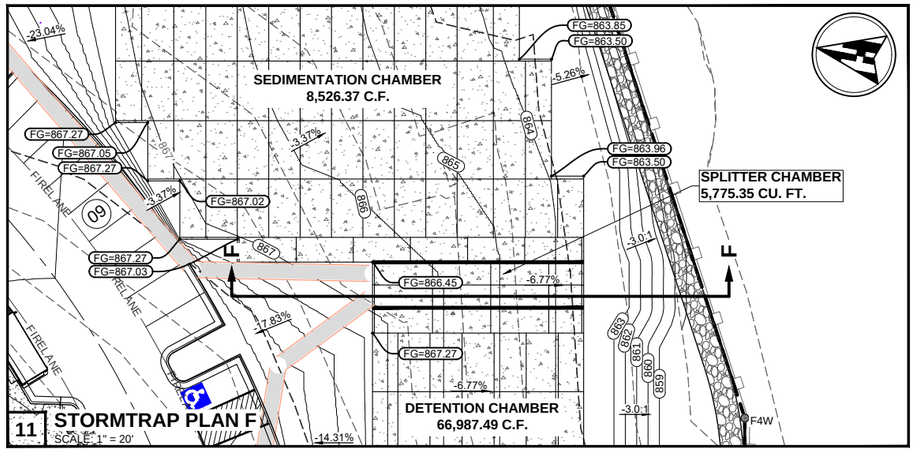
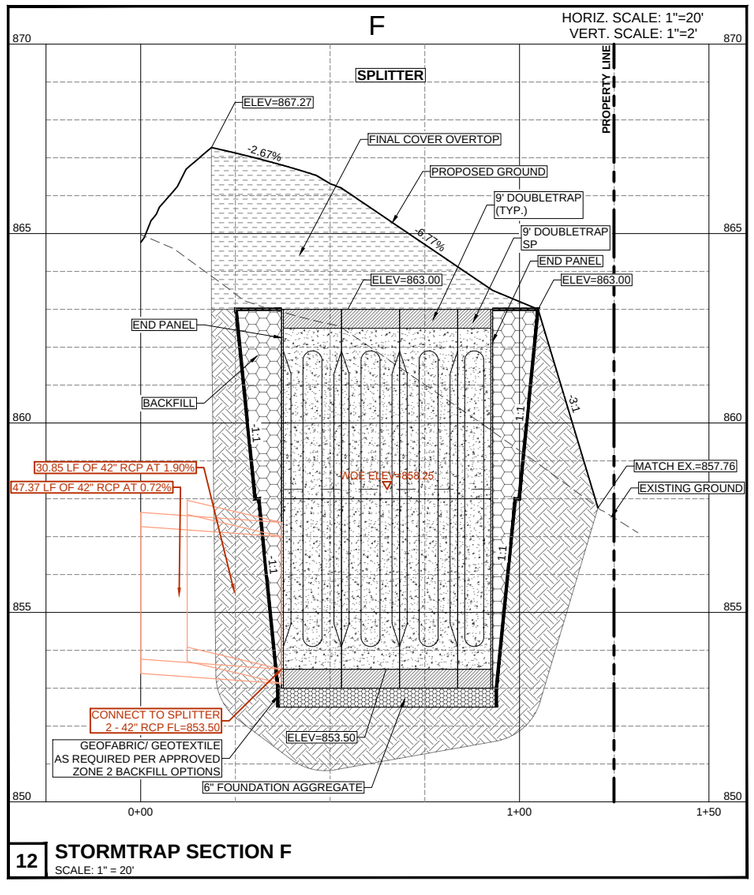


11 **STORMTRAP PLAN F**
SCALE: 1" = 20'



12 **STORMTRAP SECTION F**
SCALE: 1" = 20'

StormTrap Detention Stage-Storage - Ultimate

.25' Interval Elevation	Storm Event	Storage Volume (cu. ft.)	Storage Volume (acre-ft)	Discharge (cfs)
857		0	-	0
857.25		4035.39	0.093	0
857.50		8070.78	0.185	0
857.75		12106.17	0.278	4.189
858.00		16141.56	0.371	7.225
858.25		20176.96	0.463	9.369
858.50		24212.35	0.556	11.040
858.75		28247.74	0.648	12.527
859.00		32283.13	0.741	13.901
859.25		36318.52	0.834	14.936
859.43	**2-yr**	39224.00	0.900	**15.871**
859.50		40353.91	0.926	16.556
859.75		44389.30	1.019	19.124
860.00		48424.69	1.112	25.973
860.25		52460.09	1.204	33.556
860.50		56495.48	1.297	39.693
860.51	**10-yr**	56673.04	1.301	**39.963**
860.75		60530.87	1.390	48.749
861.00		64566.26	1.482	57.939
861.10	**25-yr**	66148.13	1.519	**61.541**
861.25		68601.65	1.575	70.499
861.50		72637.04	1.668	79.366
861.75		76672.43	1.760	87.321
861.97	**100-yr**	80207.43	1.841	**100.540**
862.00		80707.82	1.853	
862.25		84743.22	1.945	
862.50		88778.61	2.038	

StormTrap Sedimentation Stage-Storage

.25' Interval Elevation	Note	Sedimentation Volume
856.00		-
856.25		2192.47
856.50		4384.95
856.75		6577.42
857.00		8769.9
857.25		10962.37
857.50		13154.85
857.75		15347.32
858.00		17539.8
858.25	**WQE**	19732.27
858.50		21924.74
858.75		24117.22
859.00		26309.69
859.25		28502.17
859.50		30694.64
859.75		32887.12
860.00		35079.59
860.25		37272.06
860.50		39464.54
860.75		41657.01
861.00		43849.49
861.25		46041.96
861.50		48234.44
861.75		50426.91
862.00		52619.39
862.25		54811.86
862.50		57004.33
Area	**sq. ft.**	**8526.37**

StormTrap Combined Water Quality Stage-Storage

.25' Interval Elevation	Note	Combined Volume	Note
856.00		-	0
856.25		4241.59	
856.50		8483.2	
856.75		12724.79	
857.00		16966.4	
857.25		21207.99	
857.50		25449.6	
857.75		29691.19	
858.00		33932.8	
858.25	**WQE**	**38174.39**	**WQV**
858.50		42415.98	
858.75		46657.59	
859.00		50899.18	
859.25		55140.79	
859.50		59382.38	
859.75		63623.99	
860.00		67865.58	
860.25		72107.18	
860.50		76348.78	
860.75		80590.37	
861.00		84831.98	
861.25		89073.57	
861.50		93315.18	
861.75		97556.77	
862.00		101798.38	
862.25		106039.97	
862.50		110281.57	

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SITE DEVELOPMENT PLANS
TO SERVE
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STORMTRAP PLAN AND SECTION

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C15.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
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Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: Redemption City Church
Date Prepared: 10/6/2025

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

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

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

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

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

County =	Williamson	
Total project area included in plan * =	12.64	acres
Predevelopment impervious area within the limits of the plan * =	0.13	acres
Total post-development impervious area within the limits of the plan* =	7.58	acres
Total post-development impervious cover fraction * =	0.60	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	6491	lbs.

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

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

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

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	12.64	acres
Predevelopment impervious area within drainage basin/outfall area =	0.13	acres
Post-development impervious area within drainage basin/outfall area =	7.58	acres
Post-development impervious fraction within drainage basin/outfall area =	0.60	
$L_{M\ THIS\ BASIN}$ =	6491	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter
Removal efficiency = 89 percent

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

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

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

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

A_C =	12.64	acres
A_I =	7.58	acres
A_P =	5.06	acres
L_R =	7551	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = 6491 lbs.

F = 0.86

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

Rainfall Depth =	1.38	inches
Post Development Runoff Coefficient =	0.42	
On-site Water Quality Volume =	26614	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 =	5323	
Total Capture Volume (required water quality volume(s) x 1.20) =	31937	cubic feet

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

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	31937	cubic feet	
Minimum filter basin area =	1479	square feet	
Maximum sedimentation basin area =	13307	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	3327	square feet	For maximum water depth of 8 feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	31937	cubic feet	
Minimum filter basin area =	2661	square feet	
Maximum sedimentation basin area =	10646	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	665	square feet	For maximum water depth of 8 feet

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WATER QUALITY POND CALCULATIONS

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C15.05

Plotted by: Morgan. Plot date: 16/03/2026
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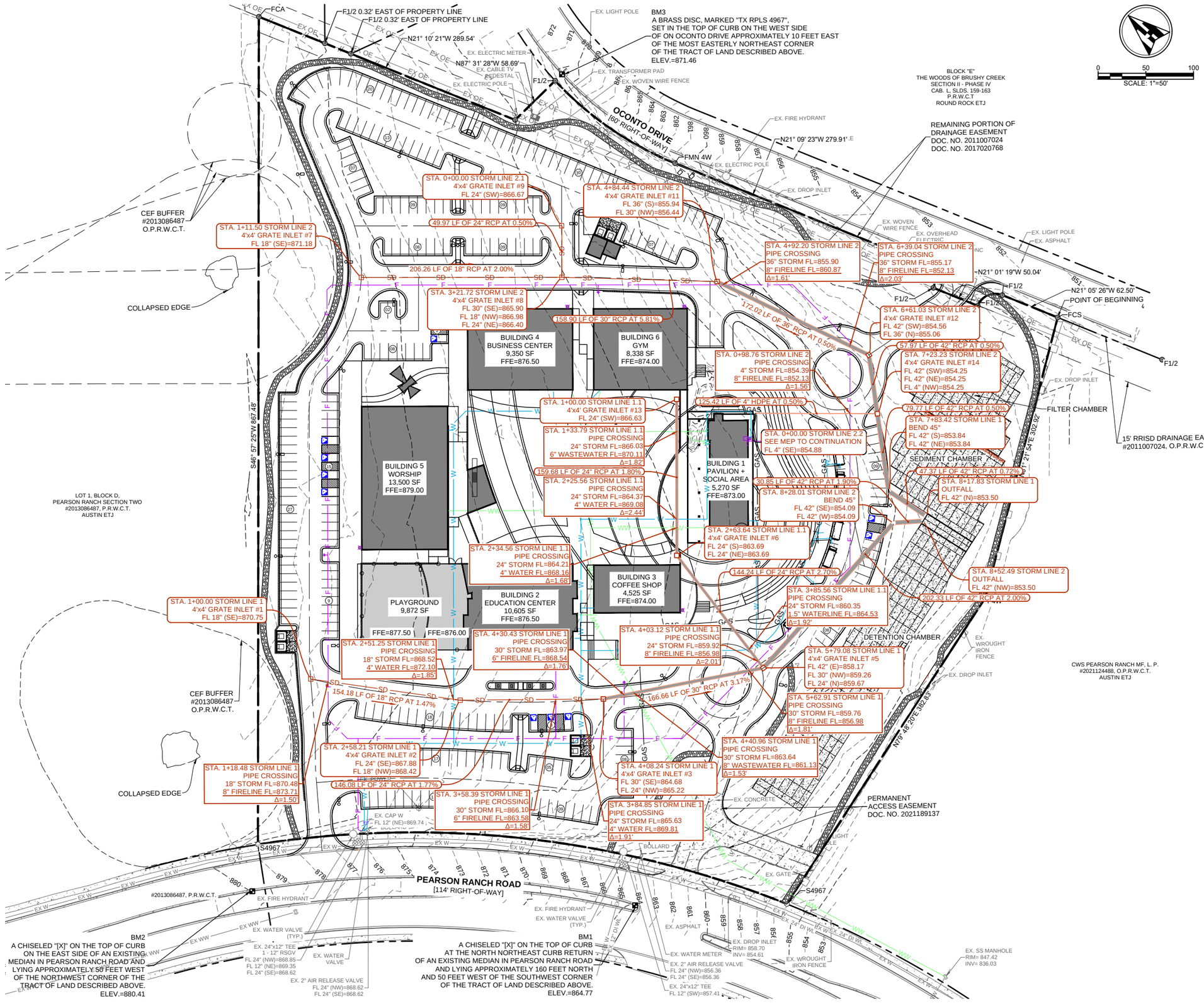

LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
SD	PROPOSED STORMWATER LINE - FUTURE PHASES
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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OVERALL STORM SEWER PLAN

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C16.00

Plotted by: Morgan. Plot date: 16/03/2026
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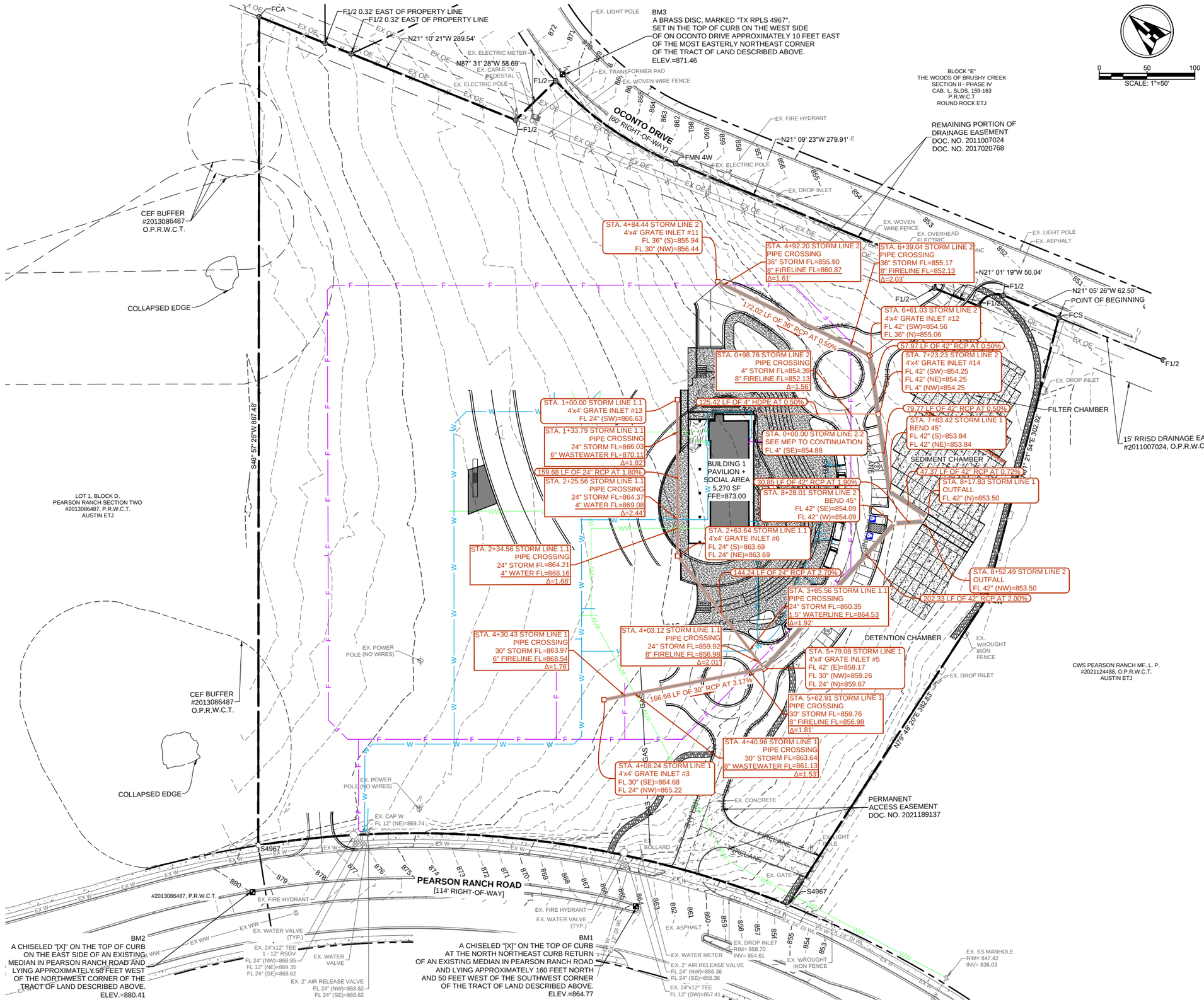
COUNTY PROJECT NUMBER: 2025-1563-COC



LEGEND

EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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AUSTIN, TX 78717

PHASE 1 STORM SEWER PLAN

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C16.00A

Plotted by: August. Plot date: 16/03/2026
File name: H:\02 Projects\2025\25303 Redemption City Church\07 Sheet\SD\250303 OVERALL STORM SEWER PLAN PHASE 1.dwg

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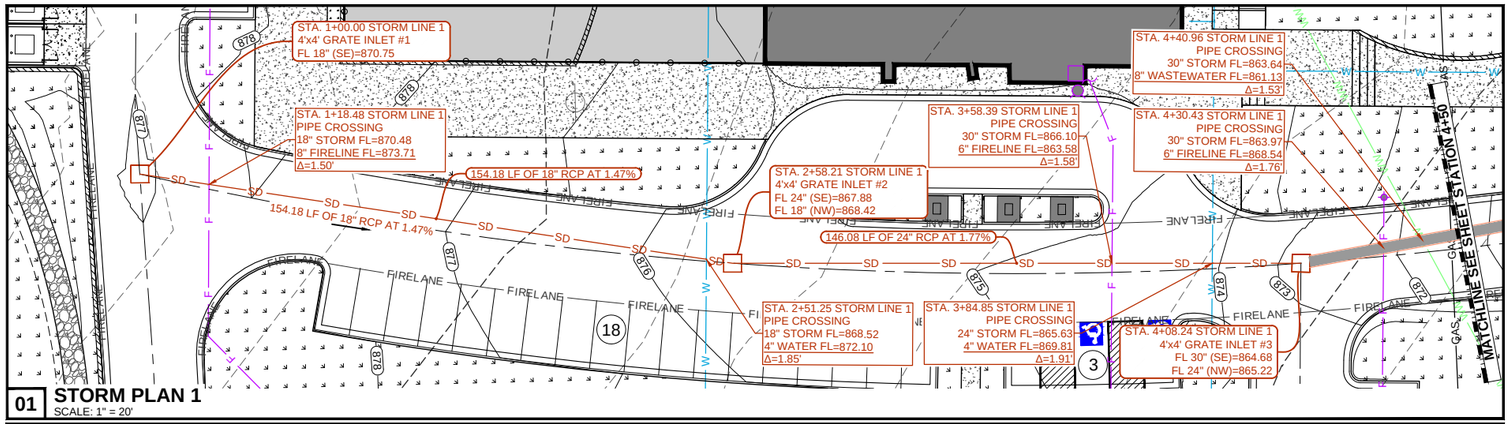
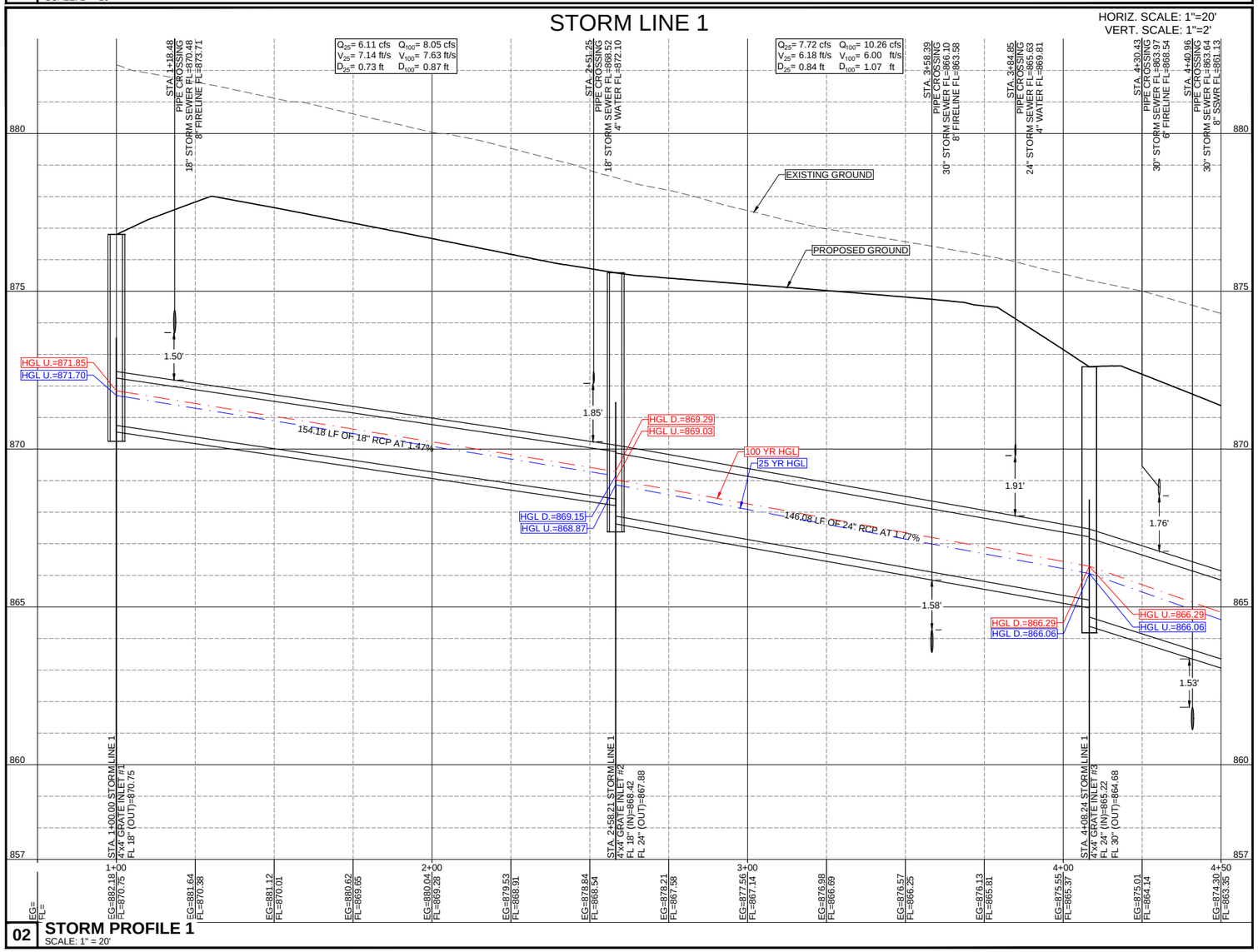


01 **STORM PLAN 1**
SCALE: 1" = 20'



02 **STORM PROFILE 1**
SCALE: 1" = 20'

WOMEN OWNED
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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
SD	PROPOSED STORMWATER LINE - FUTURE PHASES
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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ROUND ROCK, TX 78681
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Civil Engineering
WBE2101661 | HUB 1853873845300

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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

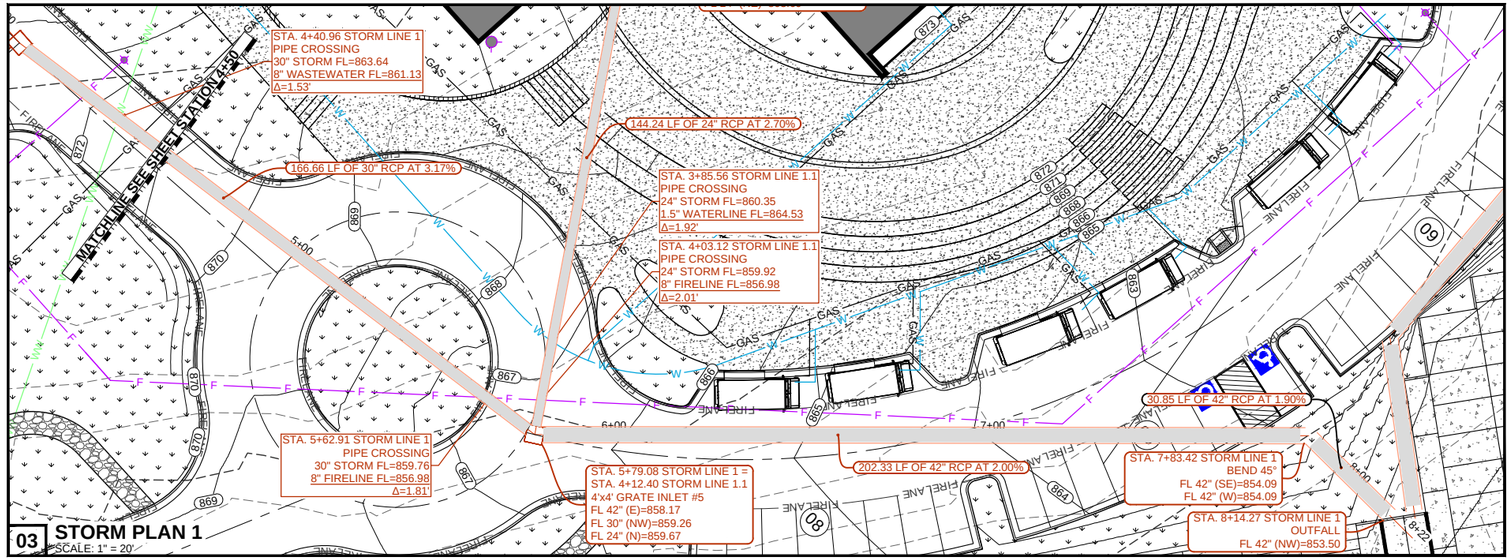
STORM SEWER PLAN AND PROFILES

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

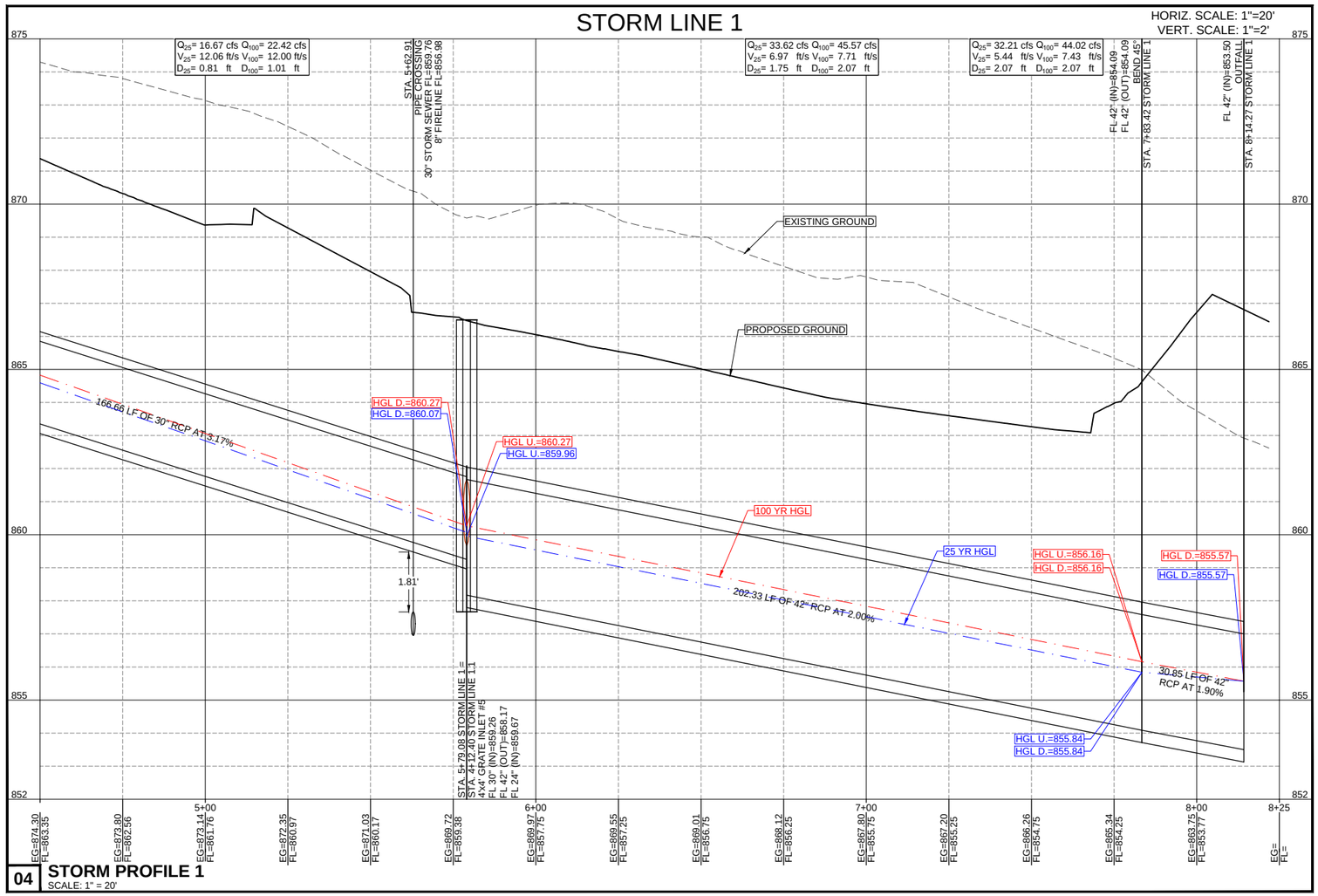
C16.01

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheets\SD\250303 STORM SEWER PLAN AND PROFILES 1.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC



03 STORM PLAN 1
SCALE: 1" = 20'



04 STORM PROFILE 1
SCALE: 1" = 20'

0 20 40
SCALE: 1"=20'

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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
SD	PROPOSED STORMWATER LINE - FUTURE PHASES
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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SITE DEVELOPMENT PLANS
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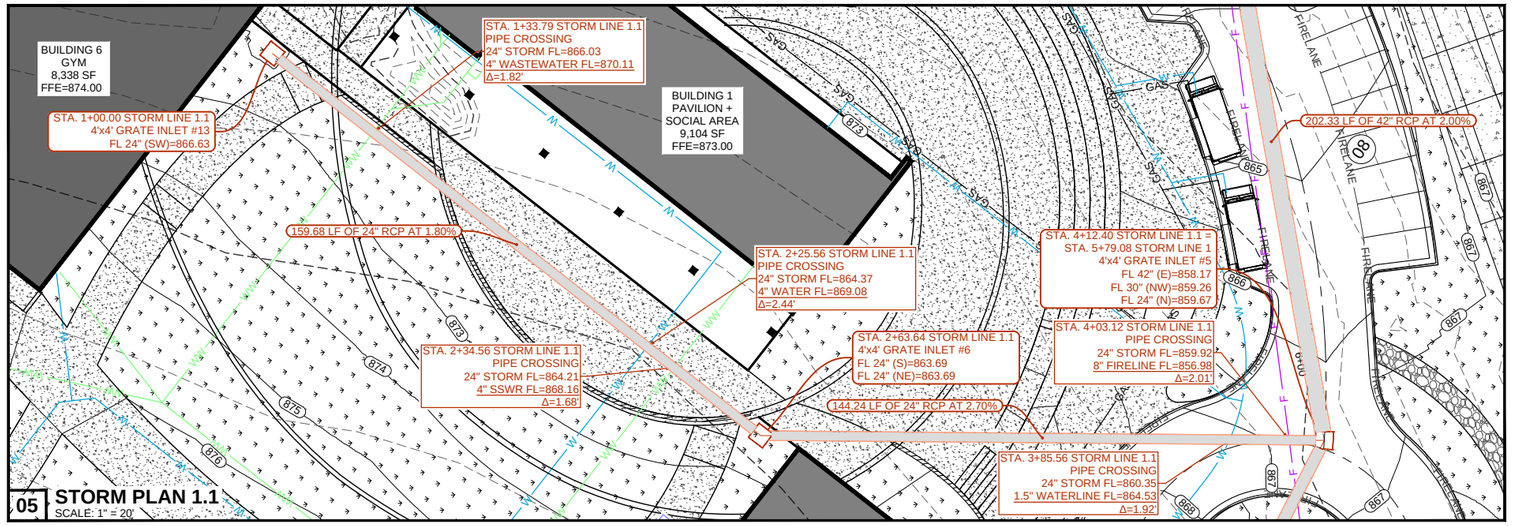
STORM SEWER PLAN AND PROFILES

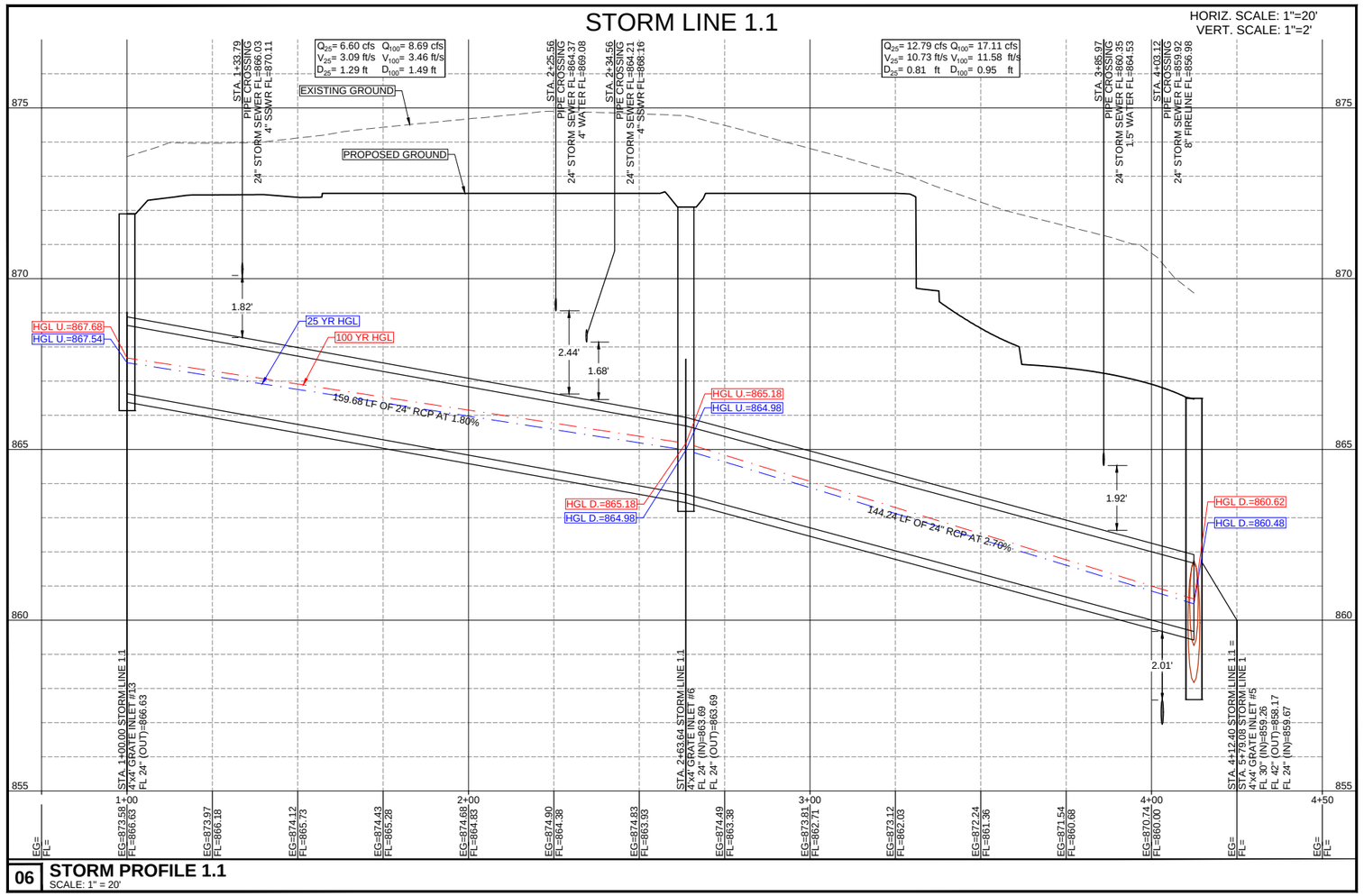
PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C16.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheets\SD\250303 STORM SEWER PLAN AND PROFILES 1.dwg





0 20 40
SCALE: 1"=20'

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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
SD	PROPOSED STORMWATER LINE - FUTURE PHASES
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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STORM SEWER PLAN AND PROFILES

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C16.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
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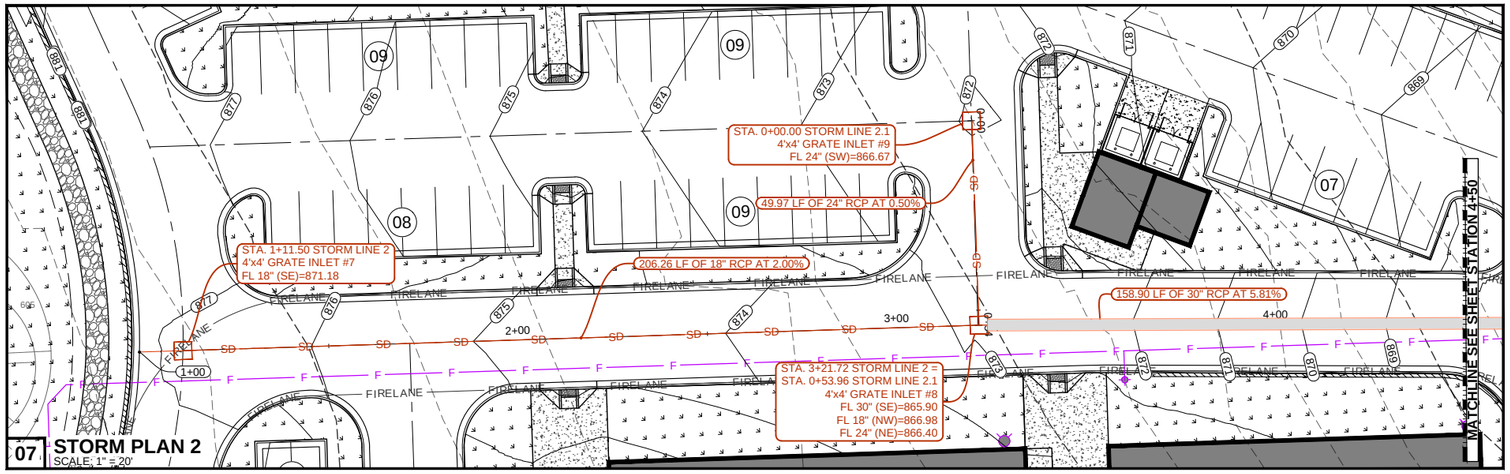
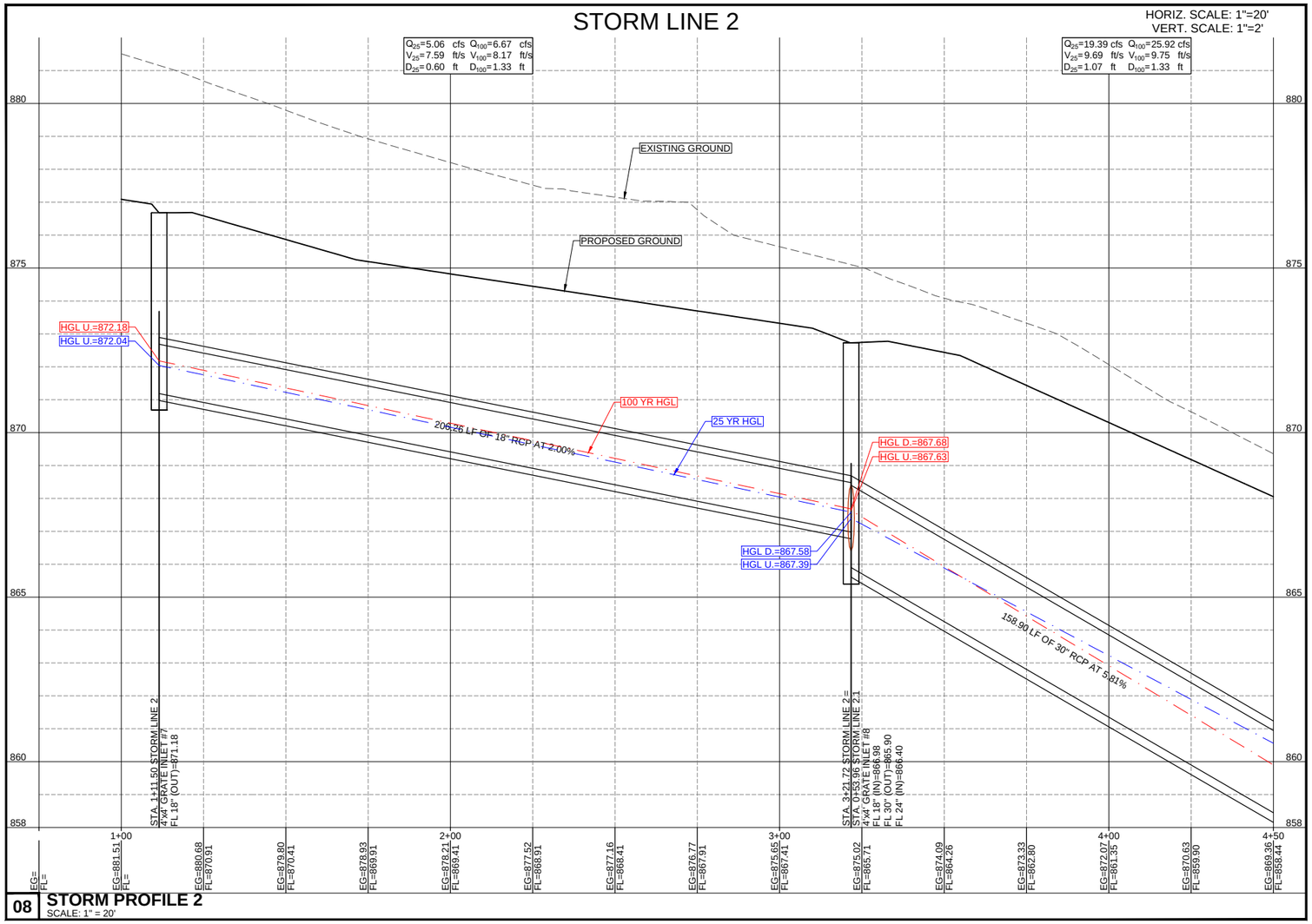


07 STORM PLAN 2
SCALE: 1" = 20'



08 STORM PROFILE 2
SCALE: 1" = 20'

0 20 40
SCALE: 1"=20'

LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
SD	PROPOSED STORMWATER LINE - FUTURE PHASES
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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SITE DEVELOPMENT PLANS
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STORM SEWER PLAN AND PROFILES

PROJECT NO. 250303	
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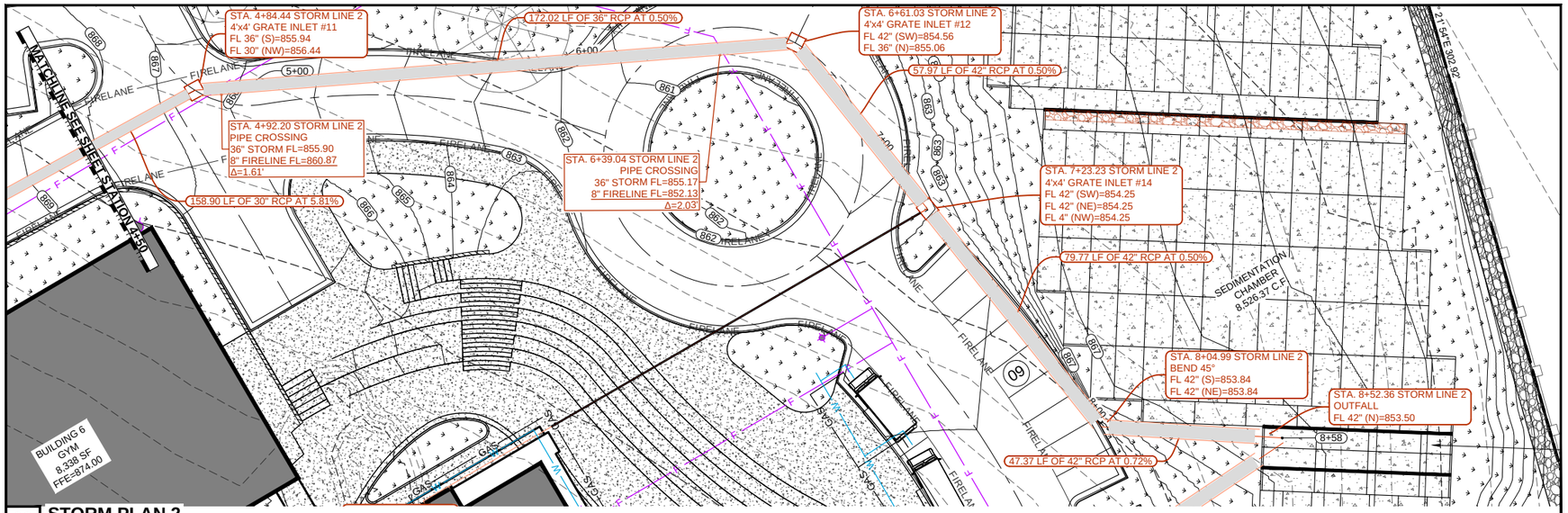
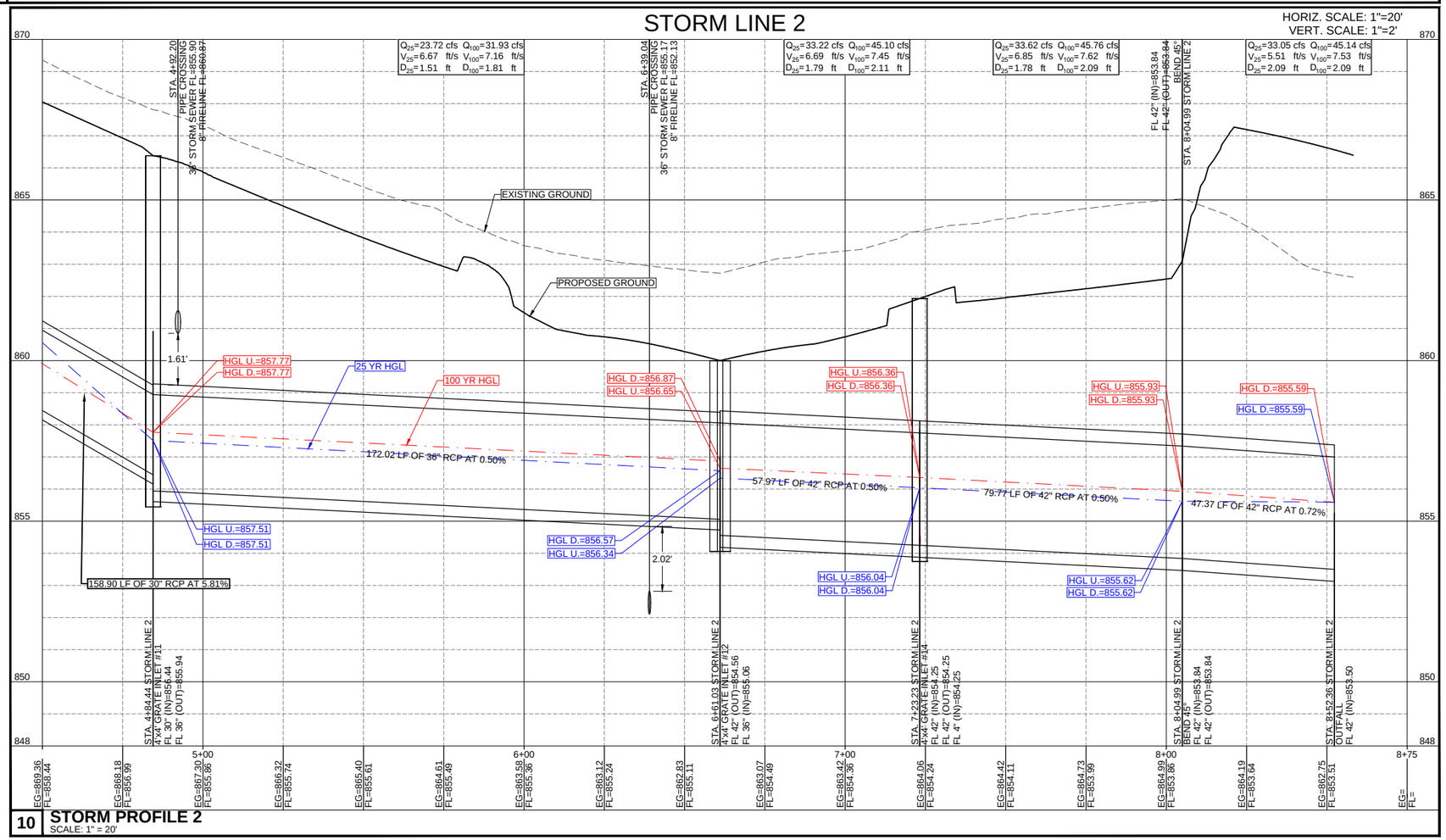
C16.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STORM SEWER PLAN AND PROFILES 2.dwg



09 **STORM PLAN 2**
SCALE: 1" = 20'



10 **STORM PROFILE 2**
SCALE: 1" = 20'

0 20 40
SCALE: 1"=20'

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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
SD	PROPOSED STORMWATER LINE - FUTURE PHASES
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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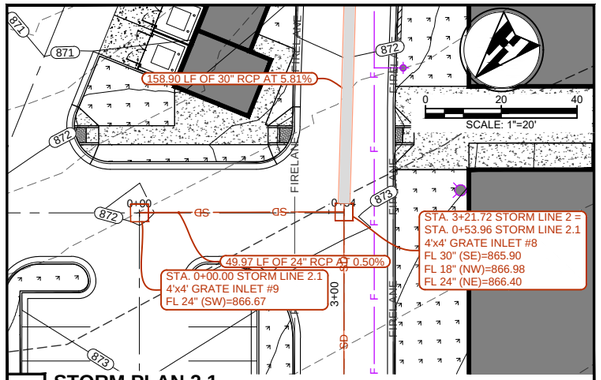
STORM SEWER PLAN AND PROFILES

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

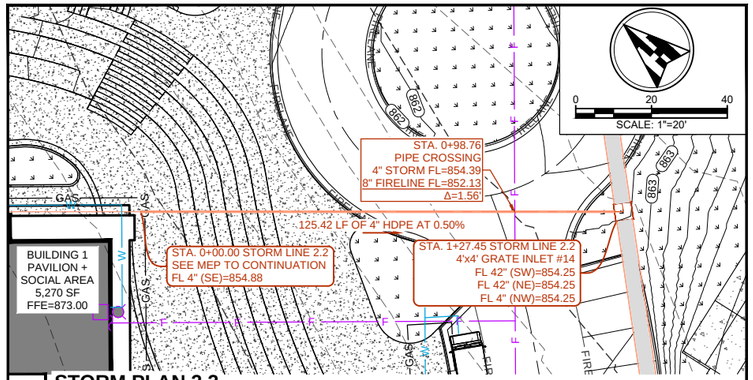
C16.05

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STORM SEWER PLAN AND PROFILES 2.dwg

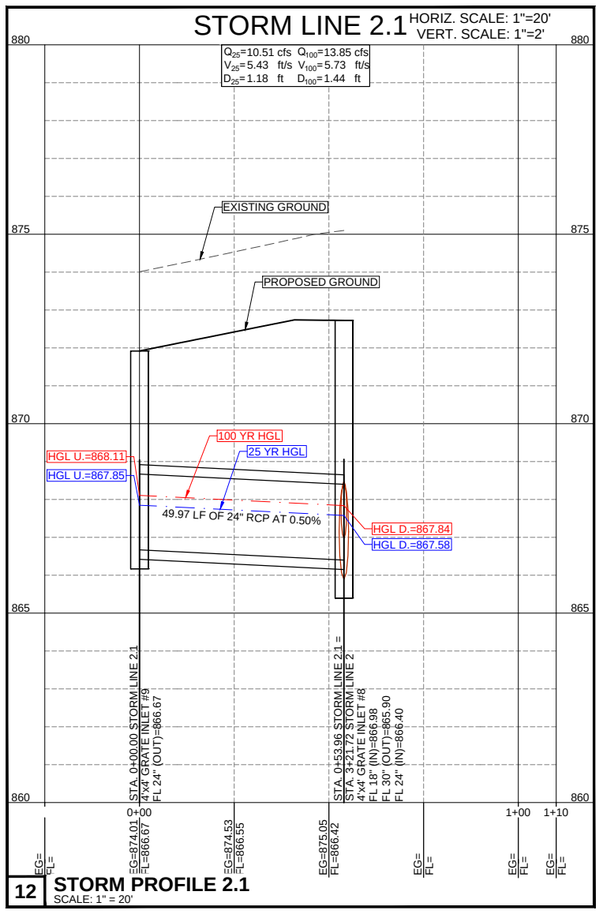
COUNTY PROJECT NUMBER: 2025-1563-COC



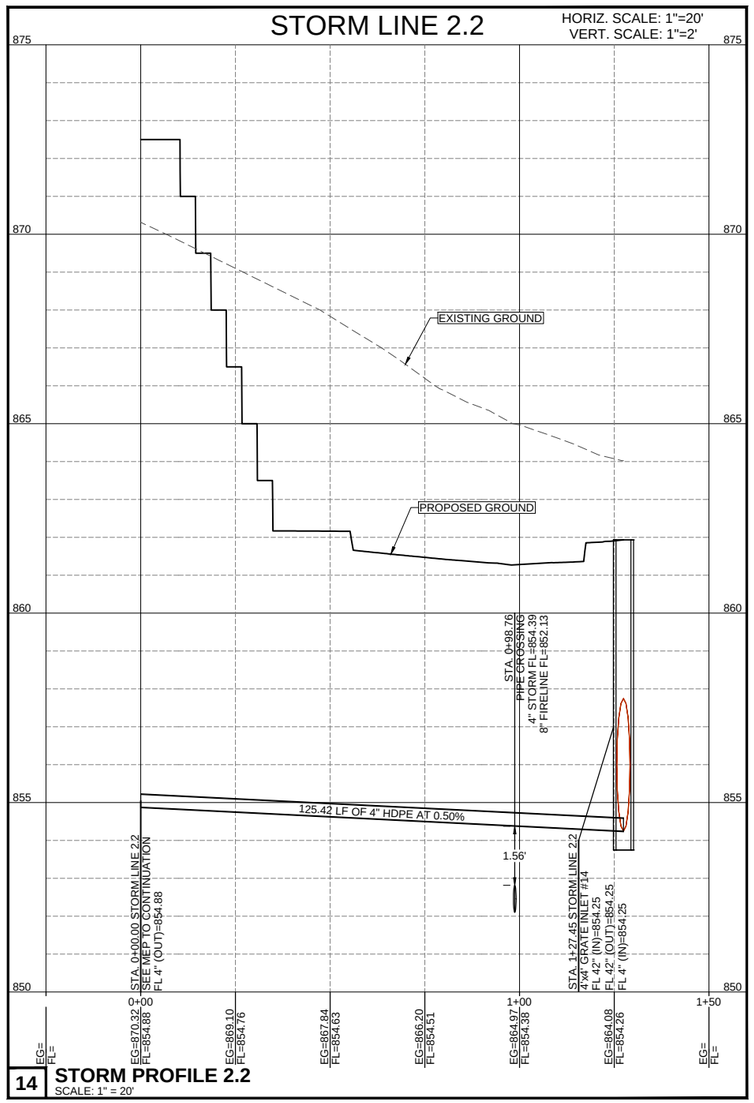
11 STORM PLAN 2.1
SCALE: 1" = 20'



13 STORM PLAN 2.2
SCALE: 1" = 20'



12 STORM PROFILE 2.1
SCALE: 1" = 20'



14 STORM PROFILE 2.2
SCALE: 1" = 20'

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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE - PHASE 1
SD	PROPOSED STORMWATER LINE - FUTURE PHASES
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	ONE-WAY FLAPPER VALVE
	4'x4' GRATE INLET

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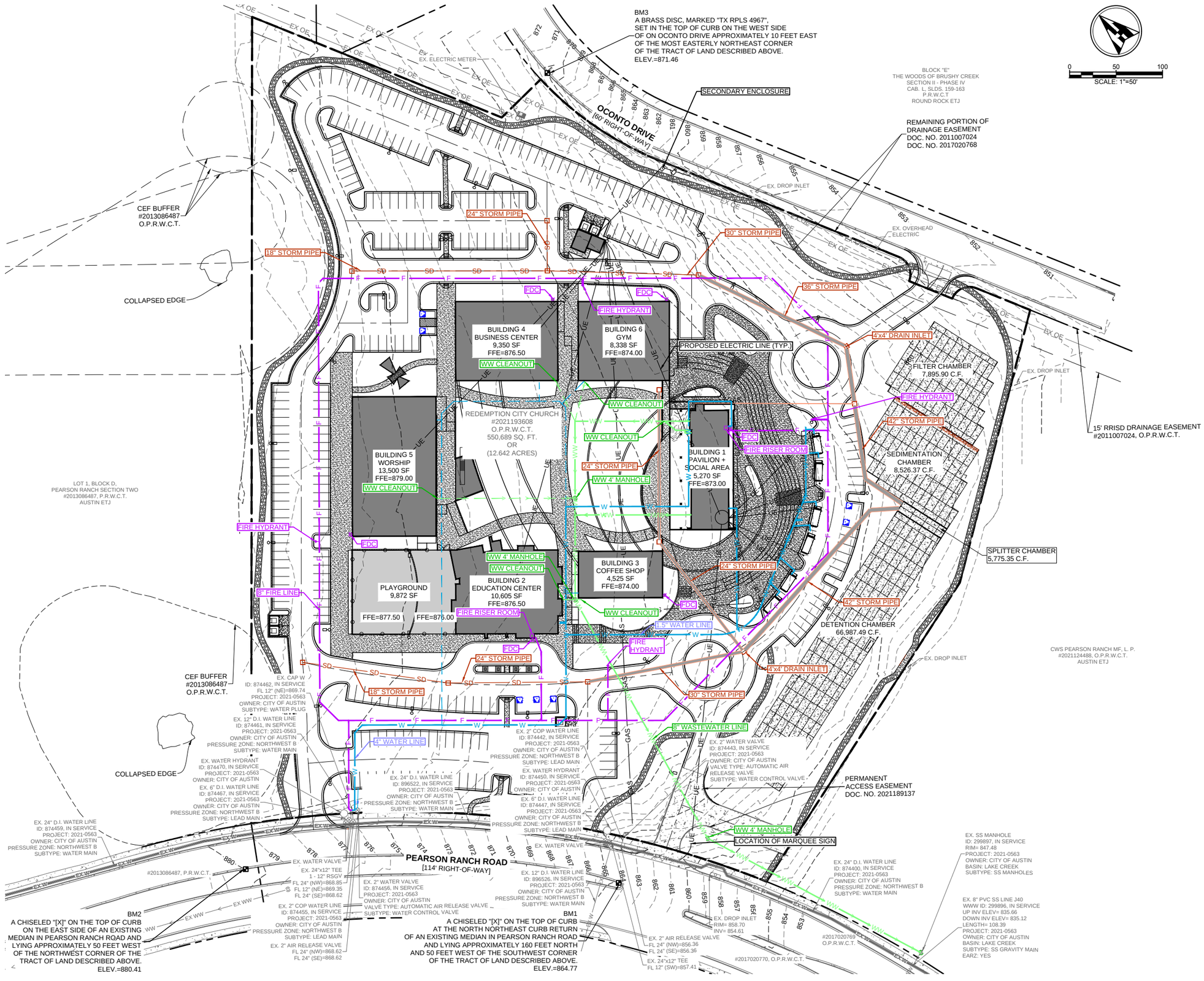
STORM SEWER PLAN AND PROFILES

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C16.06

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STORM SEWER PLAN AND PROFILES 2.dwg



LEGEND	
LOC	LIMITS OF CONSTRUCTION
ADA	ACCESSIBLE ROUTE OF TRAVEL
3	PARKING COUNT
EX W	EXISTING WATER LINE
W	WATER LINE - PHASE 1
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE - PHASE 1
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	PROPOSED ELECTRIC LIGHT POLE
EX OE	EXISTING ELECTRIC LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
	WATERLINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

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SITE DEVELOPMENT PLANS
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7601 PEARSON RANCH RD
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OVERALL UTILITY SCHEMATIC PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C17.00

Plotted by: August, Plot date: 16/03/2026
File name: H:\02 Projects\2025\250303 Redemption City Church\07 Sheet\SD\250303 UTILITY SCHEMATIC PLAN 1.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC

20' PUBLIC UTILITY EASEMENT
CAB. I, SL. 207 - 210,
CAD. L, SL. 159 - 163,
P.R.W.C.T.

EX OE

LOT 18

BM3
A BRASS DISC, MARKED "TX RPLS 4967",
SET IN THE TOP OF CURB ON THE WEST SIDE
OF ON OCONTO DRIVE APPROXIMATELY 10 FEET EAST
OF THE MOST EASTERLY NORTHEAST CORNER
OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=871.46

872
871
870
869
868
867
866
865
864
863

0 20 40
SCALE: 1"=20'

CEF BUFFER
#2013086487
O.P.R.W.C.T.

COLLAPSED EDGE

STA. 1+11.50 STORM LINE 2
4'x4' GRATE INLET #7
FL 18" (SE)=871.18

STA. 4+83.12 FL 'A-3'
INSTALL:
1 - 8" 45° BEND

7.04 LF OF 8" PVC AT -0.00%

STA. 4+90.16 FL 'A-3'
STA. 0+00.00 FL 'A-4'
INSTALL:
1 - 8" 45° BEND

FL 'A-4'
SEE SHEET C19.03 FOR PROFILE

206.26 LF OF 18" RCP AT 2.00%

279.38 LF OF 8" PVC AT -2.59%

FL 'A-3'
SEE SHEET C19.02 FOR PROFILE

STORM LINE 2
SEE SHEET C16.06 FOR PROFILE

STA. 3+21.46 STORM LINE 2
4'x4' GRATE INLET #9
FL 24" (SW)=866.67

49.97 LF OF 24" RCP AT 0.50%

STA. 3+21.72 STORM LINE 2
4'x4' GRATE INLET #8
FL 30" (SE)=865.90
FL 18" (NW)=866.98
FL 24" (NE)=866.40

STA. 2+03.74 FL 'A-3'
STA. 0+07.77 FL 'A-3.1'
INSTALL:
1 - 8"x6" TEE
1 - FIRE HYDRANT ASSEMBLY
PER DETAIL ON SHEET C23.02

158.90 LF OF 30" RCP AT 5.81%

FL 'A-3.1'
SEE SHEET C19.05 FOR PROFILE

7.77 LF OF 6" PVC AT 0.00%

STA. 0+00.00 FL 'A-3.1'
INSTALL:
1 - FIRE HYDRANT ASSEMBLY

FDC

BUILDING 4
BUSINESS CENTER
9,350 SF
FFE=876.50

BUILDING 6
GYM
8,338 SF
FFE=874.00

MATCHLINE SEE SHEET C17.06

MATCHLINE SEE SHEET C17.02

LEGEND

LOC	LIMITS OF CONSTRUCTION
ADA	ACCESSIBLE ROUTE OF TRAVEL
3	PARKING COUNT
EX W	EXISTING WATER LINE
W	WATER LINE - PHASE 1
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE - PHASE 1
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	PROPOSED ELECTRIC LIGHT POLE
EX OE	EXISTING ELECTRIC LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
	WATERLINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

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SITE DEVELOPMENT PLANS
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REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
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UTILITY SCHEMATIC PLAN

KEY MAP
(NOT TO SCALE)

1 6
2 5
3 4

JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

C17.01

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: August, Plot date: 16/03/2026
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MATCHLINE SEE SHEET C17.01

MATCHLINE SEE SHEET C17.03

MATCHLINE SEE SHEET C17.04

MATCHLINE SEE SHEET C17.05

FL 'A-4'
SEE SHEET C19.03 FOR PROFILE

277.91 LF OF 8" PVC AT 0.36%

FL 'A-4'
SEE SHEET C19.03 FOR PROFILE

FL 'A-4.1'
SEE SHEET C19.05 FOR PROFILE

3.81 LF OF 6" PVC AT 0.00%

STA. 0+00.00 FL 'A-4.1'
INSTALL:
1 - FIRE HYDRANT ASSEMBLY

STA. 2+77.91 FL 'A-4'=
STA. 0+03.81 FL 'A-4.1'
INSTALL:
1 - 8"x6" TEE
1 - FIRE HYDRANT ASSEMBLY
PER DETAIL ON SHEET C23.02

CEF BUFFER
#2013086487
O.P.R.W.C.T.

STA. 1+00.00 STORM LINE 1
4'x4' GRATE INLET #1
FL 18" (SE)=870.75

91.99 LF OF 4" PVC AT -0.00%

STA. 3+53.45 WL 'A-2'
INSTALL:
1 - 4" 45° BEND

18.36 LF OF 4" PVC AT 0.00%

STA. 3+35.09 WL 'A-2'
INSTALL:
1 - 4" 45° BEND

7.01 LF OF 4" PVC AT 0.00%

STA. 0+05.00 WL 'A-2.1'
SEE MEP FOR CONTINUATION

5.00 LF OF 4" PVC AT 0.00%

WL 'A-2.1'
SEE SHEET C18.04 FOR PROFILE

WL 'A-2'
SEE SHEET C18.02 FOR PROFILE

STA. 3+28.08 WL 'A-2'=
STA. 0+00.00 WL 'A-2.1'
INSTALL:
1 - 4"x4" TEE

BUILDING 5
WORSHIP
13,500 SF
FFE=879.00

STA. 2+43.78 WL 'A-2'=
STA. 9+06.39 WW-LINE 'A-4'
PIPE CROSSING
4" WATER FL=872.50
6" WASTEWATER FL=870.06
Δ=1.90°

STA. 9+11.39 WW-LINE 'A'
REFER MEP TO CONTINUATION
FL 6" (SE)=870.14

FDC

STA. 0+05.03 WL 'A-1.4'=
STA. 0+24.99 WW-LINE 'A-3.2'
PIPE CROSSING
4" WATER FL=872.47
6" WASTEWATER FL=869.76
Δ=2.18°

STA. 0+46.91 WW-LINE 'A-3.2'
REFER MEP TO CONTINUATION
FL 6" (S)=869.87

46.29 LF OF 6" SDR 35 PVC AT 0.50%

STA. 0+20.32 WL 'A-2.2'
SEE MEP FOR CONTINUATION

20.32 LF OF 4" PVC AT 0.00%

WL 'A-2.2'
SEE SHEET C18.04 FOR PROFILE

STA. 4+45.44 WL 'A-2'
STA. 0+00.00 WL 'A-2.2'
INSTALL:
1 - 4"x4" TEE

21.80 LF OF 4" PVC AT 0.00%

STA. 6+62.45 WL 'A-1'=
STA. 4+67.24 WL 'A-2'
INSTALL:
1 - 4" 45° BEND

3.44 LF OF 4" PVC AT 5.52%

STA. 6+59.01 WL 'A-1'=
STA. 0+00.00 WL 'A-1.4'
INSTALL:
1 - 4"x4" TEE

6.06 LF OF 4" PVC AT 0.87%

STA. 6+52.94 WL 'A-1'
INSTALL:
1 - 4" 45° BEND

WW-LINE 'A-3.2'
SEE SHEET C20.03 FOR PROFILE

REDEMPTION CITY CHURC
#2021197608
O.P.R.W.C.T.
550,689 SQ. FT.
OR
(12.642 ACRES)

STA. 5+55.45 WL 'A-1'=
STA. 7+72.88 WW-LINE 'A'
PIPE CROSSING
4" WATER FL=871.73
8" WASTEWATER FL=868.06
Δ=3.14°

WW-LINE 'A'
SEE SHEET C20.00 FOR PROFILE

146.51 LF OF 6" SDR 35 PVC AT 1.50%

STA. 5+46.45 WL 'A-1'
STA. 0+00.00 WL 'A-1.3'
INSTALL:
1 - 4"x2.5" TEE

STA. 0+10.00 WL 'A-1.3'=
STA. 7+53.88 WW-LINE 'A'
PIPE CROSSING
4" WATER FL=871.41
8" WASTEWATER FL=867.52
Δ=3.19°

93.07 LF OF 4" PVC AT 1.52%

WL 'A-1'
SEE SHEET C18.00-C18.01 FOR PROFILE

12.00 LF OF 4" PVC AT 0.00%

11.01 LF OF 6" SDR 35 PVC AT 5.00%

STA. 4+53.38 WL 'A-1'
STA. 0+00.00 WL 'A-1.2'
INSTALL:
1 - 4"x4" TEE

STA. 4+46.26 WL 'A-1'=
STA. 0+03.00 WW-LINE 'A-4'
PIPE CROSSING
4" WATER FL=870.16
6" WASTEWATER FL=864.41
Δ=5.22°

328.08 LF OF 4" PVC AT -0.20%

PLAYGROUND
9,872 SF

BUILDING 2
EDUCATION CENTER
10,605 SF
FFE=876.50

STA. 0+00.00 WW-LINE 'A-4'
REFER MEP TO CONTINUATION
FL 6" (SE)=864.56

31.76 LF OF 4" PVC AT 1.40%

STA. 4+21.62 WL 'A-1'
STA. 0+00.00 WL 'A-1.1'
INSTALL:
1 - 4"x4" TEE

WL 'A-1.1'
SEE SHEET C18.03 FOR PROFILE

6.50 LF OF 4" PVC AT 0.00%

STA. 0+06.50 WL 'A-1.1'
SEE MEP FOR CONTINUATION

12.89 LF OF 4" PVC AT 0.00%

89.13 LF OF 4" PVC AT 0.00%

STA. 2+58.21 STORM LINE 1
4'x4' GRATE INLET #2
FL 24" (SE)=867.88
FL 18" (NW)=868.42

STA. 1+18.48 STORM LINE 1=
STA. 4+10.47 FL 'A-4'
PIPE CROSSING
18" STORM FL=870.48
8" FIRELINE FL=873.71
Δ=1.50°

STA. 2+51.25 STORM LINE 1=
STA. 0+46.16 WL 'A-2'
PIPE CROSSING
18" STORM FL=869.52
4" WATER FL=872.10
Δ=1.86°

154.18 LF OF 18" RCP AT 1.47%

FIRE RISER ROOM

FDC

STA. 4+08.24 STORM LINE 1
4'x4' GRATE INLET #3
FL 30" (SE)=864.68
FL 24" (NW)=865.22

STA. 3+84.85 STORM LINE 1=
STA. 3+57.83 WL 'A-1'
PIPE CROSSING
24" STORM FL=865.63
4" WATER FL=869.81
Δ=1.91°

146.08 LF OF 24" RCP AT 1.77%

BUILDING 6
GYM
8,338 SF
FFE=874.00

33.82 LF OF 4" PVC AT 0.00%

WL 'A-1.4'
SEE SHEET C18.04 FOR PROFILE

STA. 0+33.82 WL 'A-1.4'
SEE MEP FOR CONTINUATION

STA. 0+43.62 WW-LINE 'A-3.1'
REFER MEP TO CONTINUATION
FL 6" (SW)=869.86

42.99 LF OF 6" SDR 35 PVC AT 0.50%

WW-LINE 'A-3.1'
SEE SHEET C20.02 FOR PROFILE

STA. 0+82.77 WW-LINE 'A-3'
WW CLEANOUT
FL 8" (SW)=869.48
FL 4" (SE)=869.66
FL 6" (NE)=869.64
FL 6" (N)=869.64

95.35 LF OF 4" SDR 35 PVC AT 0.50%

80.16 LF OF 8" SDR 35 PVC AT 1.90%

WW-LINE 'A-3'
SEE SHEET C20.02 FOR PROFILE

WW-LINE 'A-2'
SEE SHEET C20.02 FOR PROFILE

STA. 7+62.88 WW-LINE 'A'
STANDARD 4' DIA. MANHOLE
FL 8" (SW)=867.84
FL 6" (NW)=867.91
FL 8" (NE)=867.91

105.60 LF OF 4" PVC AT 0.71%

15.40 LF OF 8" SDR 35 PVC AT 3.60%

STA. 7+44.88 WW-LINE 'A'
WW CLEANOUT
FL 8" (SW)=867.19
FL 4" (SE)=867.25
FL 8" (NE)=867.19

WL 'A-1.3'
SEE SHEET C18.03 FOR PROFILE

117.16 LF OF 4" PVC AT 2.58%

124.27 LF OF 4" SDR 35 PVC AT 1.00%

STA. 0+10.00 WL 'A-1.2'=
STA. 6+60.91 WW-LINE 'A'
PIPE CROSSING
4" WATER FL=870.26
8" WASTEWATER FL=864.17
Δ=5.39°

WL 'A-1.2'
SEE SHEET C18.03 FOR PROFILE

STA. 0+12.00 WL 'A-1.2'
SEE MEP FOR CONTINUATION

88.59 LF OF 8" SDR 35 PVC AT 3.60%

BUILDING 3
COFFEE SHOP
4,525 SF
FFE=874.00

STA. 6+53.69 WW-LINE 'A'
STANDARD 4' DIA. MANHOLE
FL 8" (S)=863.81
FL 6" (NW)=863.91
FL 8" (NE)=863.91
FL 6" (SE)=863.91

4.73 LF OF 6" SDR 35 PVC AT 5.00%

WW-LINE 'A-1'
SEE SHEET C20.02 FOR PROFILE

STA. 0+06.72 WW-LINE 'A-1'
REFER MEP TO CONTINUATION
FL 6" (NW)=864.25

289.60 LF OF 8" SDR 35 PVC AT 2.85%

STA. 0+30.82'
PIPE CROSSING
1.5" WATER FL=868.88
8" WASTEWATER FL=862.58
Δ=5.59°

STA. 4+30.43 STORM LINE 1=
STA. 0+45.69 FL 'A-1.1'
PIPE CROSSING
30" STORM FL=863.87
6" FIRELINE FL=868.54
Δ=1.76°

STA. 4+40.96 STORM LINE 1=
STA. 5+59.97 WW-LINE 'A'
PIPE CROSSING
30" STORM FL=863.65
8" WASTEWATER FL=861.14
Δ=1.53°

FL 'A-1.1'

STA. 0+00.00 WL 'A-1.5'
STA. 4+08.73 WL 'A-1'
INSTALL:
1 - 1.5" SERVICE CLAMP

WW-LINE 'A'
SEE SHEET C20.00 FOR PROFILE

CEF BUFFER
#2013086487
O.P.R.W.C.T.

0 20 40
SCALE: 1"=20'

LEGEND

LOC	LIMITS OF CONSTRUCTION
ADA	ACCESSIBLE ROUTE OF TRAVEL
3	PARKING COUNT
EX W	EXISTING WATER LINE
W	WATER LINE - PHASE 1
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE - PHASE 1
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	PROPOSED ELECTRIC LIGHT POLE
EX OE	EXISTING ELECTRIC LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
	WATERLINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

KEY MAP
(NOT TO SCALE)

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

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www.hendersonpe.com
Civil Engineering
WBE#210166 | HUB 1853873845300

No.	REVISION
1	
2	
3	
4	
5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

UTILITY SCHEMATIC PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C17.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: August, Plot date: 16/03/2026
File name: H:\02 Projects\2025\250303 Redemption City Church\07 Sheet\SD\250303 UTILITY SCHEMATIC PLAN 1.dwg

MATCHLINE SEE SHEET C17.02

0 20 40
SCALE: 1"=20'

CEF BUFFER
#2013086487
O.P.R.W.C.T.

COLLAPSED EDGE

STA. 1+00.00 STORM LINE 1
4'x4' GRATE INLET #1
FL 18" (SE)=870.75

STA. 1+18.48 STORM LINE 1=
STA. 4+10.47 FL 'A-4'
PIPE CROSSING
18" STORM FL=870.48
8" FIRELINE FL=873.71
Δ=1.50'

FL 'A-4'
SEE SHEET C19.03 FOR PROFILE

STORM LINE 2
SEE SHEET C16.01 FOR PROFILE

154.18 LF OF 18" RCP AT 1.47%

FIRE RISER ROOM

FDC

WL 'A-2'
SEE SHEET C18.02 FOR PROFILE

328.08 LF OF 4" PVC AT 0.20%

STA. 3+58.39 STORM LINE 1
PIPE CROSSING
24" STORM FL=866.10
8" FIRELINE FL=863.58
Δ=1.58'

146.08 LF OF 24" RCP AT 1.77%

STA. 3+84.85 STORM LINE 1=
STA. 3+57.83 WL 'A-1'
PIPE CROSSING
24" STORM FL=865.63
4" WATER FL=869.81
Δ=1.91'

STA. 4+50.49 FL 'A-4'
INSTALL:
1 - 8" 45° BEND

28.06 LF OF 8" PVC AT 5.50%

STA. 4+78.55 FL 'A-4'
INSTALL:
1 - 8" 45° BEND

11.22 LF OF 8" PVC AT 5.50%

FL 'A-1'
SEE SHEET C19.00 FOR PROFILE

87.51 LF OF 8" PVC AT 2.06%

STA. 0+12.16 FL 'A-1'
INSTALL
1 - 8" RPZ BACKFLOW PREVENTER

EX. CAP W
ID: 874462, IN SERVICE
FL 12" (NE)=869.74
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
SUBTYPE: WATER PLUG

7.48 LF OF 8" PVC AT 1.00%

2.29 LF OF 8" PVC AT 1.00%

STA. 0+04.68 FL 'A-1'
INSTALL
1 - 8" 45° BEND

2.39 LF OF 8" PVC AT 1.00%

STA. 0+02.29 FL 'A-1'
INSTALL
1 - 8" 45° BEND

STA. 0+00.00 FL 'A-1'
STA. 0+00.00 WL 'A-1'
INSTALL
1 - DI MJ TEE 12"x8"x8"
CONNECT EX. 12" WATER LINE

EX. WATER HYDRANT
ID: 874470, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN

S4967

EX. 24" D.I. WATER LINE
ID: 874459, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

EX. 6" D.I. WATER LINE
ID: 874467, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: LEAD MAIN

EX. 12" D.I. WATER LINE
ID: 874461, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

EX. WATER VALVE
EX. 24"x12" TEE
1 - 12" RSGV
FL 24" (NW)=868.85
FL 12" (NE)=869.35
FL 24" (SE)=868.62

STA. 0+99.67 FL 'A-1'
STA. 4+89.77 FL 'A-4'
INSTALL:
1 - 8"x8" TEE

STA. 2+51.25 STORM LINE 1=
STA. 0+46.16 WL 'A-2'
PIPE CROSSING
18" STORM FL=868.52
4" WATER FL=872.10
Δ=1.85

STA. 2+58.21 STORM LINE 1
4'x4' GRATE INLET #2
FL 24" (SE)=867.88
FL 18" (NW)=868.42

79.31 LF OF 8" PVC AT 0.00%

FL 'A-1'
SEE SHEET C19.00 FOR PROFILE

STA. 0+97.32 WL 'A-1'
INSTALL:
1 - 4" 45° BEND

85.45 LF OF 4" PVC AT 0.79%

11.31 LF OF 4" PVC AT 2.35%

STA. 1+99.89 FL 'A-1'=
STA. 0+05.00 WL 'A-2'
PIPE CROSSING
8" FIRELINE FL=867.76
4" WATER FL=872.02
Δ=3.56'

STA. 3+06.93 FL 'A-1'
STA. 0+00.00 FL 'B-1'
INSTALL
1 - 8"x8" TEE

STA. 1+82.77 WL 'A-1'
STA. 0+00.00 WL 'A-2'
INSTALL:
1 - 4"X4" TEE

125.38 LF OF 4" PVC AT 1.74%

11.45 LF OF 4" PVC AT 0.00%

STA. 0+86.01 WL 'A-1'
INSTALL:
1 - 4" 45° BEND

74.71 LF OF 4" PVC AT -2.91%

STA. 3+30.35 FL 'A-1'=
STA. 3+15.28 WL 'A-1'
PIPE CROSSING
8" FIRELINE FL=864.47
4" WATER FL=869.81
Δ=4.64'

STA. 0+25.89 WL 'B-1'
SEE MEP FOR CONTINUATION

STA. 0+11.30 WL 'A-1'
INSTALL:
1 - 2" WATER METER

8.85 LF OF 4" PVC AT -6.25%

WL 'B-1'
SEE SHEET C18.04 FOR PROFILE

15.41 LF OF 8" PVC AT 0.00%

STA. 0+10.48 WL 'B-1'
INSTALL:
1 - 2" WATER METER

6.31 LF OF 8" PVC AT 0.00%

3.15 LF OF 8" PVC AT 0.00%

EX. 24" D.I. WATER LINE
ID: 896522, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

EX. 2" WATER VALVE
ID: 874456, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
VALVE TYPE: AUTOMATIC AIR RELEASE VALVE
SUBTYPE: WATER CONTROL VALVE

EX. 2" COP WATER LINE
ID: 874455, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: LEAD MAIN

EX. 2" AIR RELEASE VALVE
FL 24" (NW)=868.62
FL 24" (SE)=868.62

STA. 0+02.44 WL 'A-1'
INSTALL:
1 - 8"x4" TEE

2.44 LF OF 8" PVC AT 3.00%

#2013086487, P.R.W.C.T.

PEARSON RANCH ROAD
[114' RIGHT-OF-WAY]

BM2
A CHISELED "[X]" ON THE TOP OF CURB ON THE EAST SIDE OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD AND LYING APPROXIMATELY 50 FEET WEST OF THE NORTHWEST CORNER OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=880.41

MATCHLINE SEE SHEET C17.04

WOMEN OWNED
CERTIFIED BY | WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL

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LEGEND

LOC	LIMITS OF CONSTRUCTION
ADA	ACCESSIBLE ROUTE OF TRAVEL
3	PARKING COUNT
EX W	EXISTING WATER LINE
W	WATER LINE - PHASE 1
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE - PHASE 1
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	PROPOSED ELECTRIC LIGHT POLE
EX OE	EXISTING ELECTRIC LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
	WATERLINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

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No.	REVISION
1	
2	
3	
4	
5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

UTILITY SCHEMATIC PLAN

1 | 6
2 | 5
3 | 4

KEY MAP
(NOT TO SCALE)

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C17.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: August, Plot date: 16/03/2026
File name: H:\02 Projects\2025\250303 Redemption City Church\07 Sheet\SD\250303 UTILITY SCHEMATIC PLAN 2.dwg

MATCHLINE SEE SHEET C17.02

MATCHLINE SEE SHEET C17.05

MATCHLINE SEE SHEET C17.03

12.89 LF OF 4" PVC AT 0.00%

STA. 4+30.43 STORM LINE 1
PIPE CROSSING
30" STORM FL=863.97
6" FIRELINE FL=868.54
Δ=1.76'

WW-LINE 'A'
SEE SHEET C20.00 FOR PROFILE

WL 'A-1.5'
SEE SHEET C18.05 FOR PROFILE

STA. 3+78.56 FL 'A-1'
STA. 0+59.05 FL 'A-1.1'
INSTALL:
1 - FIRE HYDRANT ASSEMBLY

166.66 LF OF 30" RCP AT 3.17%

STORM LINE 1
SEE SHEET C16.02 FOR PROFILE

WL 'A-1'
SEE SHEET C18.00-C18.01 FOR PROFILE

STA. 4+40.96 STORM LINE 1=
STA. 5+59.97 WW-LINE 'A'
PIPE CROSSING
30" STORM FL=863.64
8" WASTEWATER FL=861.13
Δ=1.53'

STA. 3+84.85 STORM LINE 1=
STA. 3+57.83 WL 'A-1'
PIPE CROSSING
24" STORM FL=865.63
4" WATER FL=869.81
Δ=1.91'

STA. 4+08.24 STORM LINE 1
4'x4' GRATE INLET #3
FL 30" (SE)=864.68
FL 24" (NW)=865.22

FL 'A-1.1'
SEE SHEET C19.04 FOR PROFILE

59.05 LF OF 6" PVC AT -4.96%

STA. 3+19.59 WL 'A-1'
INSTALL:
1 - 4" 45° BEND

11.45 LF OF 4" PVC AT 0.00%

LF OF 8" PVC AT 0.00%

STA. 3+06.93 FL 'A-1'
STA. 0+00.00 FL 'B-1'
INSTALL:
1 - 8"x8" TEE

STA. 3+08.14 WL 'A-1'
INSTALL:
1 - 4" 45° BEND

11.45 LF OF 4" PVC AT 0.00%

STA. 3+30.35 FL 'A-1'=
STA. 3+15.28 WL 'A-1'
PIPE CROSSING
8" FIRELINE FL=864.47
4" WATER FL=869.81
Δ=4.64'

STA. 4+39.18 FL 'A-1'
STA. 0+09.94 FL 'A-2'
INSTALL:
1 - 8" 45° BEND

60.62 LF OF 8" PVC AT -3.21%

289.60 LF OF 8" SDR 35 PVC AT 2.85%

STA. 4+15.41 FL 'A-1'=
STA. 5+05.31 WW-LINE 'A'
PIPE CROSSING
8" FIRELINE FL=865.10
8" WASTEWATER FL=859.58
Δ=4.81'

FL 'A-1'
SEE SHEET C19.00 FOR PROFILE

STA. 3+78.56 FL 'A-1'
STA. 0+00.00 FL 'A-1.1'
INSTALL:
1 - 8"x6" TEE
1 - FIRE HYDRANT ASSEMBLY
PER DETAIL ON SHEET C23.02

71.63 LF OF 8" PVC AT 3.76%

STA. 3+85.56 STORM LINE 1.1=
STA. 1+76.20 WL 'A-1.5'
PIPE CROSSING
24" STORM FL=860.35
1.5" WATERLINE FL=864.53
Δ=1.92'

STA. 4+03.12 STORM LINE 1.1=
STA. 1+23.91 FL 'A-2'
PIPE CROSSING
24" STORM FL=859.92
8" FIRELINE FL=856.98
Δ=2.01'

STA. 5+79.08 STORM LINE 1
4'x4' GRATE INLET #5
FL 42" (E)=858.17
FL 30" (NW)=859.26
FL 24" (N)=859.67

STA. 5+62.91 STORM LINE 1=
STA. 1+10.00 FL 'A-2'
PIPE CROSSING
30" STORM FL=859.76
8" FIRELINE FL=856.98
Δ=1.81'

FL 'A-2'
SEE SHEET C19.01 FOR PROFILE

DETENTION
CHAMBER
66,987.49 C.F.

EX. DROP INLET

N79° 48' 20"E 392.83'

EX. CONGRETE

PERMANENT
ACCESS EASEMENT
DOC. NO. 2021189137

EX. 2" COP WATER LINE
ID: 874442, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: LEAD MAIN

EX. WATER HYDRANT
ID: 874450, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN

EX. 2" WATER VALVE
ID: 874443, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
VALVE TYPE: AUTOMATIC AIR RELEASE VALVE
SUBTYPE: WATER CONTROL VALVE

EX. 2" AIR RELEASE VALVE
FL 24" (NW)=856.36
FL 24" (SE)=856.36

EX. 6" D.I. WATER LINE
ID: 874447, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: LEAD MAIN

EX. WATER VALVE

EX. 24"x12" TEE
FL 12" (SW)=857.41

EX. 12" D.I. WATER LINE
ID: 896526, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

EX. ASPHALT

STA. 3+60.11 WW-LINE 'A'
STANDARD 4' DIA. MANHOLE
FL 8" (S)=855.24
FL 8" (N)=855.44

EX. GATE

S4967

EX. 24" D.I. WATER LINE
ID: 874400, IN SERVICE
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
PRESSURE ZONE: NORTHWEST B
SUBTYPE: WATER MAIN

WW-LINE 'A'
SEE SHEET C20.00 FOR PROFILE

256.16 LF OF 8" SDR 35 PVC AT 7.00%

STA. 1+00.00 WW-LINE 'A'
EXISTING SS MANHOLE
FL 8" (N)=837.03

EX. SS MANHOLE
ID: 299897, IN SERVICE
RIM= 847.48
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
BASIN: LAKE CREEK
SUBTYPE: SS MANHOLES

EX. 8" PVC SS LINE J40
WWW ID: 299896, IN SERVICE
UP INV ELEV= 835.66
DOWN INV ELEV= 835.12
LENGTH= 108.39
PROJECT: 2021-0563
OWNER: CITY OF AUSTIN
BASIN: LAKE CREEK
SUBTYPE: SS GRAVITY MAIN
EARZ: YES

EX. DROP INLET
RIM= 858.70
INV= 854.61

EX. WROUGHT
IRON FENCE

BM1
A CHISELED "[X]" ON THE TOP OF CURB
AT THE NORTH NORTHEAST CURB RETURN
OF AN EXISTING MEDIAN IN PEARSON RANCH ROAD
AND LYING APPROXIMATELY 160 FEET NORTH
AND 50 FEET WEST OF THE SOUTHWEST CORNER
OF THE TRACT OF LAND DESCRIBED ABOVE.
ELEV.=864.77

0 20 40
SCALE: 1"=20'

LEGEND

LOC	LIMITS OF CONSTRUCTION
ADA	ACCESSIBLE ROUTE OF TRAVEL
3	PARKING COUNT
EX W	EXISTING WATER LINE
W	WATER LINE - PHASE 1
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE - PHASE 1
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	PROPOSED ELECTRIC LIGHT POLE
EX OE	EXISTING ELECTRIC LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
	WATERLINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

KEY MAP
(NOT TO SCALE)

1 6
2 5
3 4

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5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

UTILITY SCHEMATIC PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C17.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: August, Plot date: 16/03/2026
File name: H:\02 Projects\2025\250303 Redemption City Church\07 Sheet\SD\250303 UTILITY SCHEMATIC PLAN 2.dwg

MATCHLINE SEE SHEET C17.06

BUILDING 6
GYM
9,338 SF
FFE=874.00

FDC

STORM LINE 2
SEE SHEET C16.04 AND C16.05
FOR PROFILE

172.02 LF OF 36" RCP AT 0.50%

84.84 LF OF 8" PVC AT 6.18%

FL 'A-2'
SEE SHEET C19.01 FOR PROFILE

STA. 4+97.47 FL 'A-2'
INSTALL:
1 - 8"X8" 45° BEND

STA. 6+39.04 STORM LINE 2=
STA. 4+93.38 FL 'A-2'
PIPE CROSSING
36" STORM FL=855.17
8" FIRELINE FL=852.13
Δ=2.02'

STA. 6+61.03 STORM LINE 2
4'x4' GRATE INLET #12
FL 42" (SW)=854.56
FL 36" (N)=855.06

92.26 LF OF 8" PVC AT 0.00%

57.97 LF OF 42" RCP AT 0.50%

STA. 0+98.76 STORM LINE 2.2=
STA. 4+22.36 FL 'A-2'
PIPE CROSSING
4" STORM FL=854.39
8" FIRELINE FL=852.13
Δ=1.56'

STA. 4+05.21 FL 'A-2.1'
STA. 0+17.09 FL 'A-2.1'
INSTALL
1 - 8"X6" TEE
1 - FIRE HYDRANT ASSEMBLY
PER DETAIL ON SHEET C23.02

125.42 LF OF 4" HDPE AT 0.50%

17.09 LF OF 6" PVC AT 0.00%

STA. 0+00.00 FL 'A-2.1'
INSTALL:
1 - FIRE HYDRANT ASSEMBLY

FIRE RISER ROOM

FDC

106.81 LF OF 8" DI AT 0.00%

FL 'A-2.1'
SEE SHEET C19.04 FOR PROFILE

11.66 LF OF 8" PVC AT -5.11%

STA. 3+93.55 FL 'A-2'
STA. 1+06.81 FL 'B-2'
INSTALL:
1 - 8"X8" TEE

STA. 7+23.23 STORM LINE 2
4'x4' GRATE INLET #14
FL 42" (SW)=854.25
FL 42" (NE)=854.25
FL 4" (NW)=854.25

STORM LINE 2
SEE SHEET C16.04
AND C16.05 FOR PROFILE

FILTER CHAMBER
7,895.90 C.F.

SEDIMENTATION
CHAMBER
8,526.37 C.F.

STA. 8+04.99 STORM LINE 2
BEND 45°
FL 42" (S)=853.84
FL 42" (NE)=853.84

STA. 7+83.42 STORM LINE 1
BEND 45°
FL 42" (SE)=854.09
FL 42" (W)=854.09

SPLITTER CHAMBER
5,775.35 C.F.

DETENTION
CHAMBER
66,987.49 C.F.

BEGINNING

GATE

EX. DROP INLET

EX. WROUGHT IRON FENCE

N61° 21' 54" E, 602.92'

SCALE: 1"=20'
0 20 40

PIPE CROSSING
2 1/2" WATER FL=868.65
4" WASTEWATER FL=872.65
Δ=1.50'

STA. 1+00.00 STORM LINE 1.1
4'x4' GRATE INLET #13
FL 24" (SW)=866.63

PIPE CROSSING
2 1/2" WATER FL=868.65
4" WASTEWATER FL=872.65
Δ=1.50'

STA. 1+27.06 STORM LINE 1.1=
STA. 0+90.50 WW-LINE 'A-2'
PIPE CROSSING
24" STORM FL=866.03
4" WASTEWATER FL=870.11
Δ=1.82'

95.35 LF OF 4" SDR 35 PVC AT 0.50%

STA. 0+95.98 WW-LINE 'A-2'
REFER MEP TO CONTINUATION
FL 4" (NW)=870.14

PIPE CROSSING
2 1/2" WATER FL=868.65
4" WASTEWATER FL=872.65
Δ=1.50'

PIPE CROSSING
2 1/2" WATER FL=868.65
4" WASTEWATER FL=872.65
Δ=1.50'

159.68 LF OF 24" RCP AT 1.80%

117.16 LF OF 4" PVC AT 2.58%

STA. 2+27.47 STORM LINE 1.1=
STA. 1+00.50 WL 'A-1.3'
PIPE CROSSING
24" STORM FL=864.37
4" WATER FL=869.08
Δ=2.44'

WL 'A-1.3'
SEE SHEET C18.03 FOR PROFILE

124.27 LF OF 4" SDR 35 PVC AT 1.00%

STA. 1+17.16 WL 'A-1.3'
SEE MEP FOR CONTINUATION

STA. 2+34.56 STORM LINE 1.1=
STA. 0+90.50 WW-LINE 'A-5'
PIPE CROSSING
24" STORM FL=864.21
4" WW FL=868.16
Δ=1.68'

STA. 2+63.64 STORM LINE 1.1
4'x4' GRATE INLET #6
FL 24" (S)=863.69
FL 24" (NE)=863.69

STA. 1+24.89 WW-LINE 'A-5'
REFER MEP TO CONTINUATION
FL 4" (NW)=868.50

BUILDING 3
COFFEE SHOP
4,525 SF
FFE=874.00

STORM LINE 1.1
SEE SHEET C16.03 FOR PROFILE

144.24 LF OF 24" RCP AT 2.00%

FDC

BUILDING 1
PAVILION +
SOCIAL AREA
5,270 SF
FFE=873.00

STA. 3+85.56 STORM LINE 1.1=
STA. 1+76.20 WL 'A-1.5'
PIPE CROSSING
24" STORM FL=860.35
1.5" WATERLINE FL=864.53
Δ=1.92'

WL 'A-1.5'
SEE SHEET C18.05 FOR PROFILE

25.00 LF OF 8" PVC AT 0.00%

STA. 1+05.09 FL 'A-2'
INSTALL
1 - 8" 45° VERTICAL BEND

220.31 LF OF 1.5" PE AT 3.00%

289.60 LF OF 8" SDR 35 PVC AT 2.85%

2.50 LF OF 8" PVC AT -100.00%

STA. 1+02.59 FL 'A-2'
INSTALL
1 - 8" 45° VERTICAL BEND

STA. 4+40.96 STORM LINE 1=
STA. 5+59.97 WW-LINE 'A'
PIPE CROSSING
30" STORM FL=863.64
8" WASTEWATER FL=861.13
Δ=1.53'

166.66 LF OF 30" RCP AT 3.17%

FL

128.93 LF OF 8" PVC AT 0.00%

STA. 2+25.70 WL 'A-1.5'
SEE MEP FOR CONTINUATION

STA. 1+30.09 FL 'A-2'
INSTALL:
1 - 8" 45° VERTICAL BEND

STA. 2+61.52 FL 'A-2'
INSTALL
1 - 8" 45° BEND

FL 'A-2'
SEE SHEET C19.01 FOR PROFILE

202.33 LF OF 42" RCP AT 2.00%

STA. 1+32.59 FL 'A-2'
INSTALL:
1 - 8" 45° VERTICAL BEND

2.50 LF OF 8" PVC AT 100.00%

STA. 4+03.12 STORM LINE 1.1=
STA. 1+23.91 FL 'A-2'
PIPE CROSSING
24" STORM FL=859.92
8" FIRELINE FL=856.98
Δ=2.01'

STA. 5+79.08 STORM LINE 1
4'x4' GRATE INLET #5
FL 42" (E)=858.17
FL 30" (NW)=859.26
FL 24" (N)=859.67

STA. 5+62.91 STORM LINE 1=
STA. 1+10.00 FL 'A-2'
PIPE CROSSING
30" STORM FL=859.76
8" FIRELINE FL=856.98
Δ=1.81'

F4W

EX. DROP INLET

CWS PEARSON RANC
#2021124488, O.P.I
AUSTIN ET.

MATCHLINE SEE SHEET C17.04

LEGEND

LOC	LIMITS OF CONSTRUCTION
ADA	ACCESSIBLE ROUTE OF TRAVEL
3	PARKING COUNT
EX W	EXISTING WATER LINE
W	WATER LINE - PHASE 1
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE - PHASE 1
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	PROPOSED ELECTRIC LIGHT POLE
EX OE	EXISTING ELECTRIC LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
	WATERLINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

KEY MAP
(NOT TO SCALE)

1 6
2 5
3 4

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5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

UTILITY SCHEMATIC PLAN

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH
03/16/2026			

C17.05

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: August, Plot date: 16/03/2026
File name: H:\02 Projects\2025\250303 Redemption City Church\07 Sheet\SD\250303 UTILITY SCHEMATIC PLAN 3.dwg

S DISC, MARKED "TX RPLS 4967",
THE TOP OF CURB ON THE WEST SIDE
OCONTO DRIVE APPROXIMATELY 10 FEET EAST
MOST EASTERLY NORTHEAST CORNER
TRACT OF LAND DESCRIBED ABOVE.
71.46

MATCHLINE SEE SHEET C17.01

BLOCK "E"
THE WOODS OF BRUSHY CREEK
SECTION II - PHASE IV
CAB. L, SLDS. 159-163
P.R.W.C.T
ROUND ROCK ETJ

REMAINING PORTION OF
DRAINAGE EASEMENT
DOC. NO. 2011007024
DOC. NO. 2017020768

N21° 09' 23"W 279.91'

OCONTO DRIVE
[60' RIGHT-OF-WAY]

FMN 4W

EX. FIRE HYDRANT

EX. DROP INLET

EX. OVERHEAD ELECTRIC

EX. WOOD FENCE

EX. CONC

EX. ASPHALT

N21° 01' 19"W 50.04'

N21° 05' 26"W 62.50'

POINT OF BEGINNING

FCS

EX. GATE

GATE

F1/2

867 866 865 864 863 862 861 860 859 858 857 856 855 854 853 852 851 850

BUILDING 6
GYM
8,338 SF
FFE=874.00

FL 'A-3'
SEE SHEET C19.02 FOR PROFILE

107.68 LF OF 8" PVC AT 4.91%

STA. 5+82.31 FL 'A-2'
STA. 0+00.00 FL 'A-3'
INSTALL:
1 - 8" 45° BEND

STA. 4+84.44 STORM LINE 2
4'x4' GRATE INLET #11
FL 36" (S)=855.94
FL 30" (NW)=856.44

FDC

STA. 4+92.20 STORM LINE 2=
STA. 0+71.31 FL 'A-3'
PIPE CROSSING
36" STORM FL=855.90
8" FIRELINE FL=860.87
Δ=1.61

STORM LINE 2
SEE SHEET C16.04 AND C16.05
FOR PROFILE

172.02 LF OF 36" RCP AT 0.50%

84.84 LF OF 8" PVC AT 6.18%

FL 'A-2'
SEE SHEET C19.01 FOR PROFILE

STA. 4+97.47 FL 'A-2'
INSTALL:
1 - 8" 45° BEND

STA. 6+39.04 STORM LINE 2=
STA. 4+93.38 FL 'A-2'
PIPE CROSSING
36" STORM FL=855.17
8" FIRELINE FL=852.13
Δ=2.02'

STA. 6+61.03 STORM LINE 2
4'x4' GRATE INLET #12
FL 42" (SW)=854.56
FL 36" (N)=855.06

MATCHLINE SEE SHEET C17.05

0 20 40
SCALE: 1"=20'

LEGEND

LOC	LIMITS OF CONSTRUCTION
ADA	ACCESSIBLE ROUTE OF TRAVEL
3	PARKING COUNT
EX W	EXISTING WATER LINE
W	WATER LINE - PHASE 1
EX WW	EXISTING WASTEWATER LINE
WW	WASTEWATER LINE - PHASE 1
EX SD	EXISTING STORMWATER LINE
	STORMWATER LINE - PHASE 1
F	FIRE LINE - PHASE 1
529	EXISTING CONTOUR
529	PROPOSED CONTOUR
	PROPOSED ELECTRIC LIGHT POLE
EX OE	EXISTING ELECTRIC LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
	WATERLINE - FUTURE PHASES
	WASTEWATER LINE - FUTURE PHASES
SD	STORMWATER LINE - FUTURE PHASES

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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

UTILITY SCHEMATIC PLAN

1	6	
2	5	
3	4	

KEY MAP
(NOT TO SCALE)

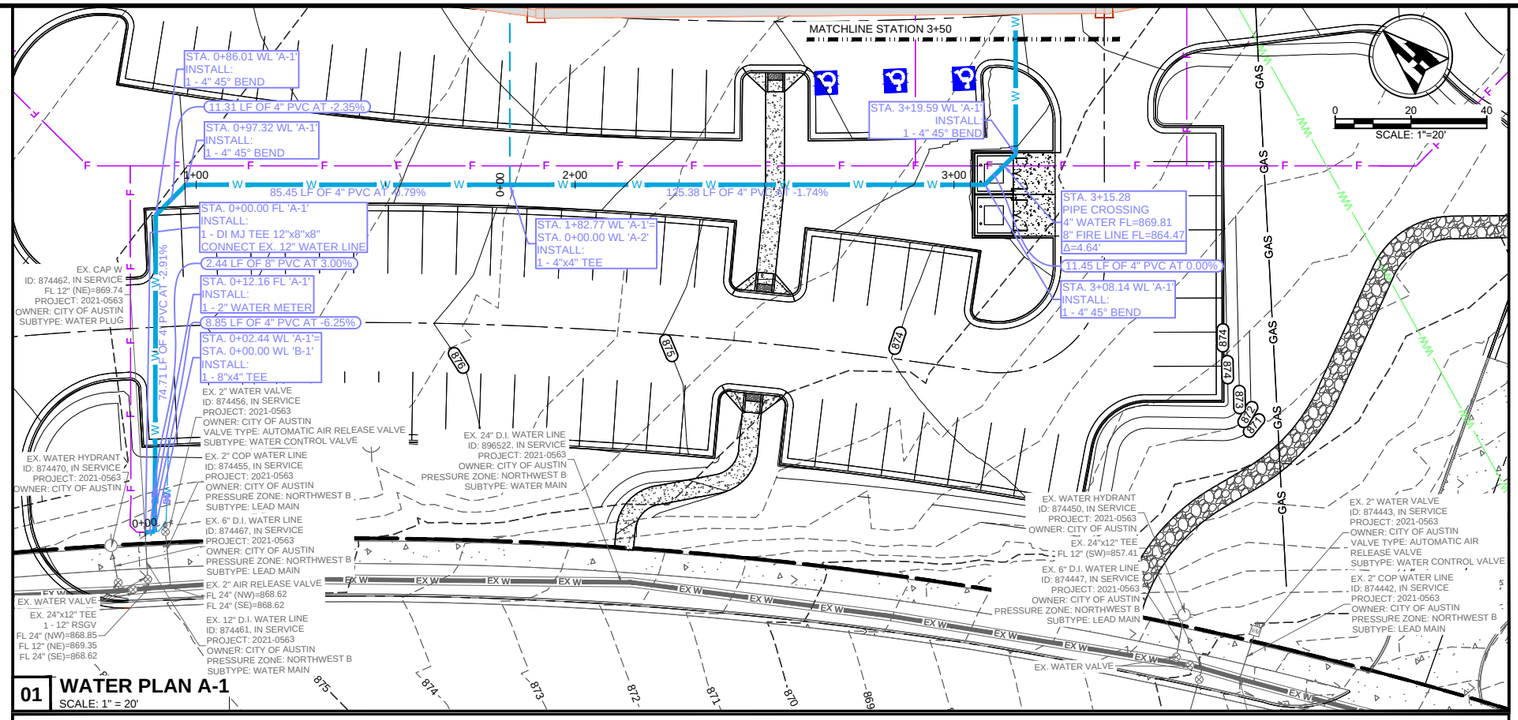
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

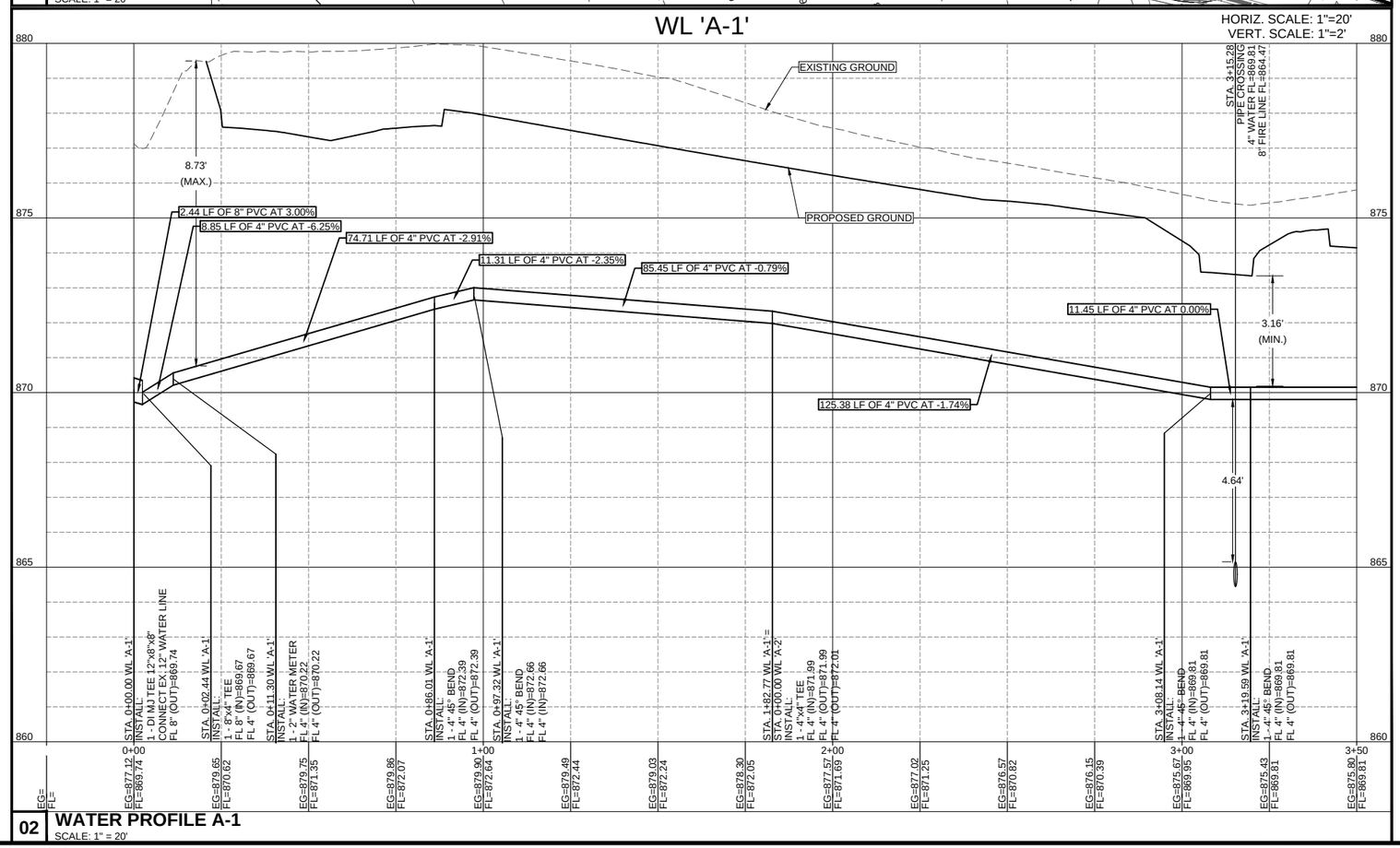
C17.06

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: August, Plot date: 16/03/2026
File name: H:\02 Projects\2025\250303 Redemption City Church\07 Sheet\SD\250303 UTILITY SCHEMATIC PLAN 3.dwg



01 WATER PLAN A-1
SCALE: 1" = 20'



02 WATER PROFILE A-1
SCALE: 1" = 20'

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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE - PHASE 1
	PROPOSED WATER LINE - FUTURE PHASES
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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5	

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TO SERVE
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AUSTIN, TX 78717

WATER PLAN AND PROFILE

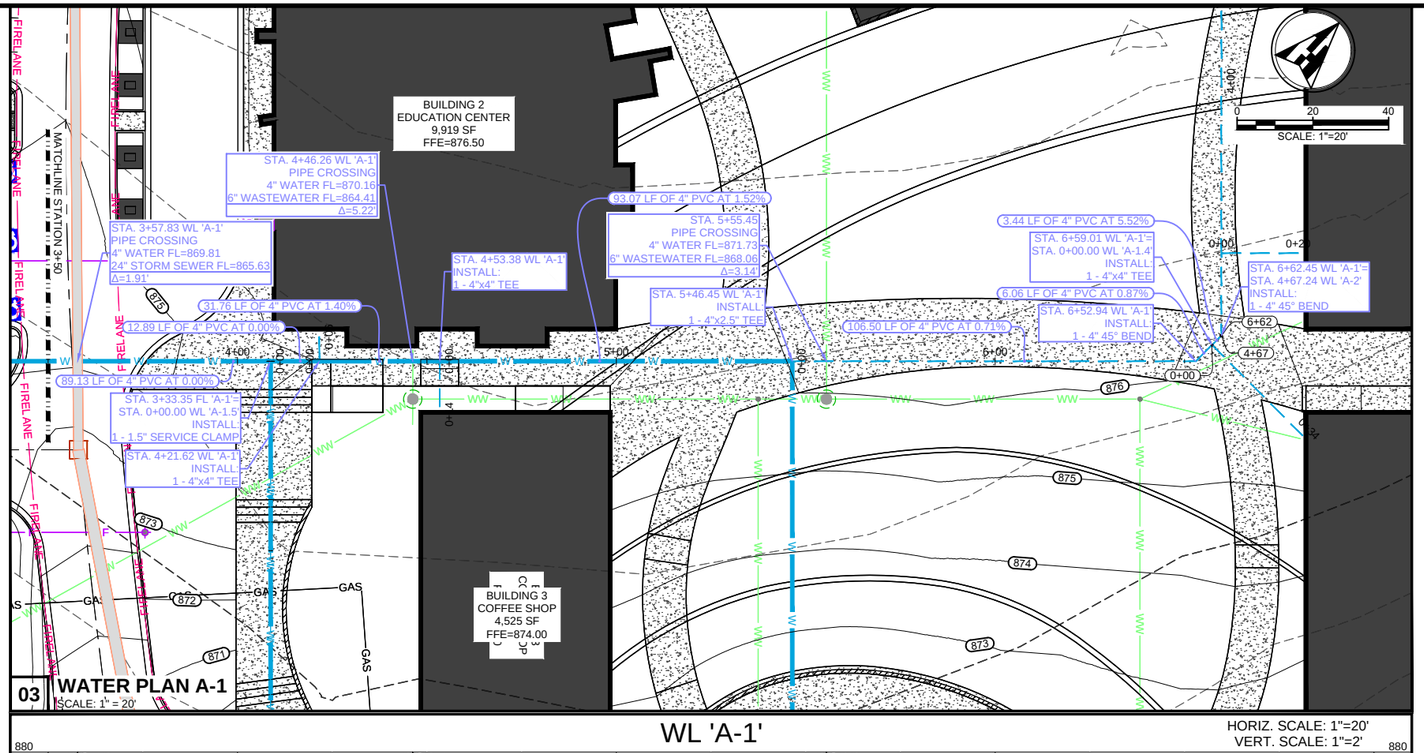
STATE OF TEXAS
JENNIFER L HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

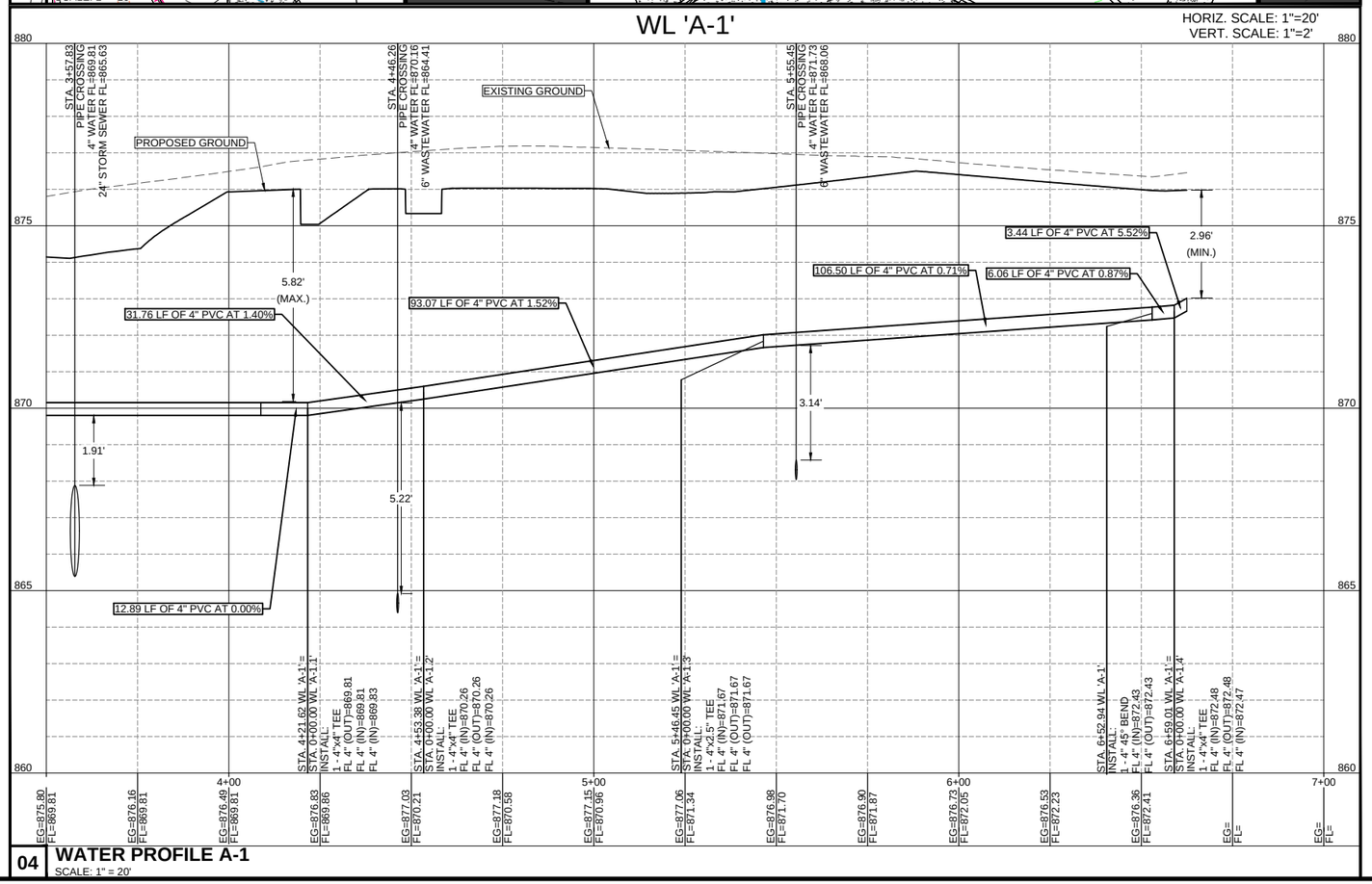
C18.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 WATER PLAN AND PROFILES.dwg



03 **WATER PLAN A-1**
SCALE: 1" = 20'



04 **WATER PROFILE A-1**
SCALE: 1" = 20'

LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE - PHASE 1
	PROPOSED WATER LINE - FUTURE PHASES
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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REVISION					
No.	1	2	3	4	5

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

WATER PLAN AND PROFILE

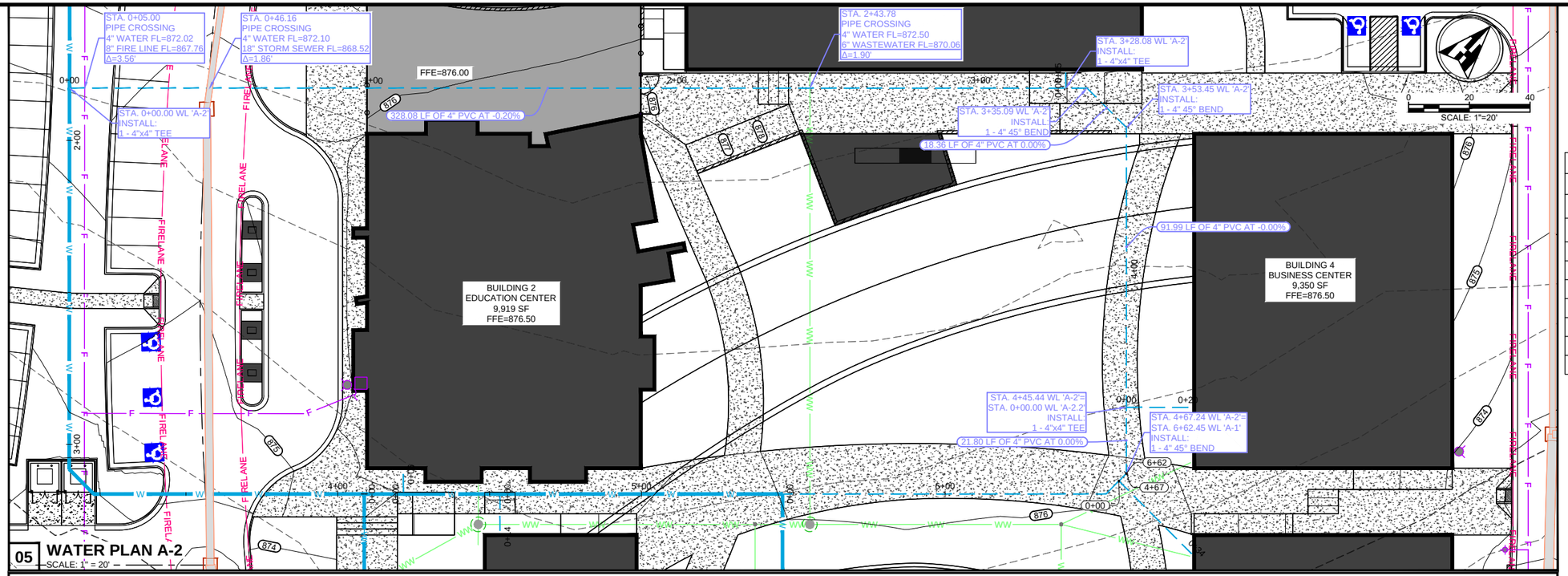
STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C18.01

COUNTY PROJECT NUMBER: 2025-1563-COC

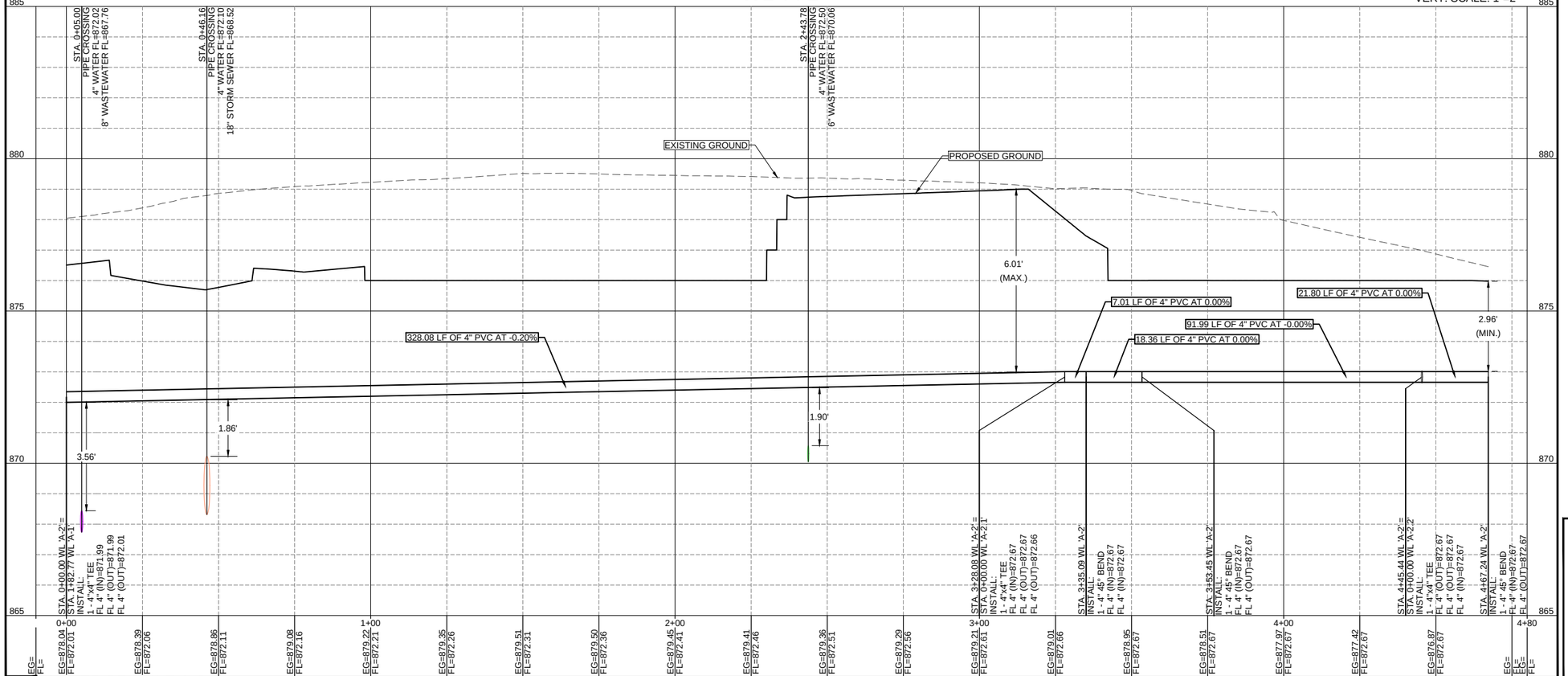
Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 WATER PLAN AND PROFILES.dwg



05 WATER PLAN A-2
SCALE: 1" = 20'

WL 'A-2'

HORIZ. SCALE: 1"=20'
VERT. SCALE: 1"=2'



06 WATER PROFILE A-2
SCALE: 1" = 20'

WOMEN OWNED
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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE - PHASE 1
	PROPOSED WATER LINE - FUTURE PHASES
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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WATER PLAN AND PROFILE

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C18.02

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
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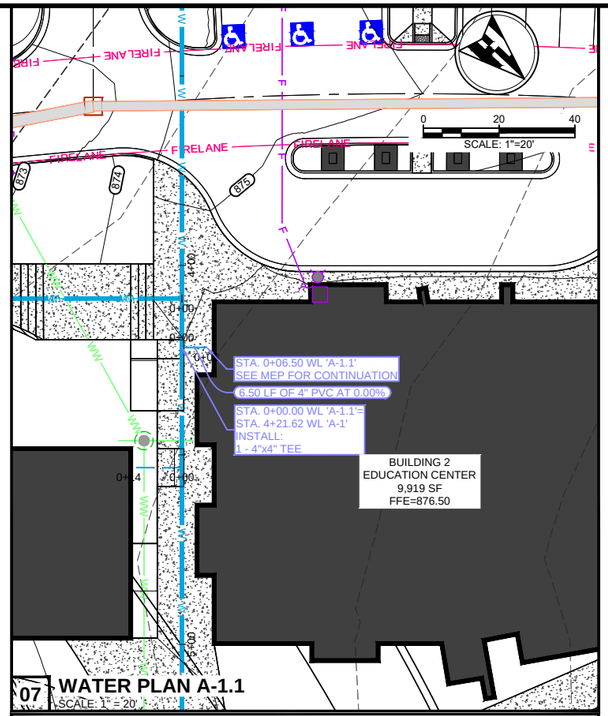
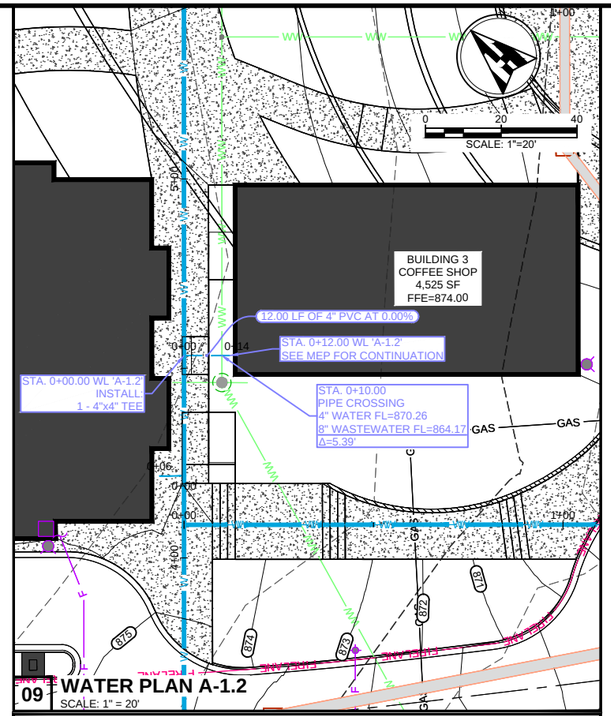


07 **WATER PLAN A-1.1**
SCALE: 1" = 20'



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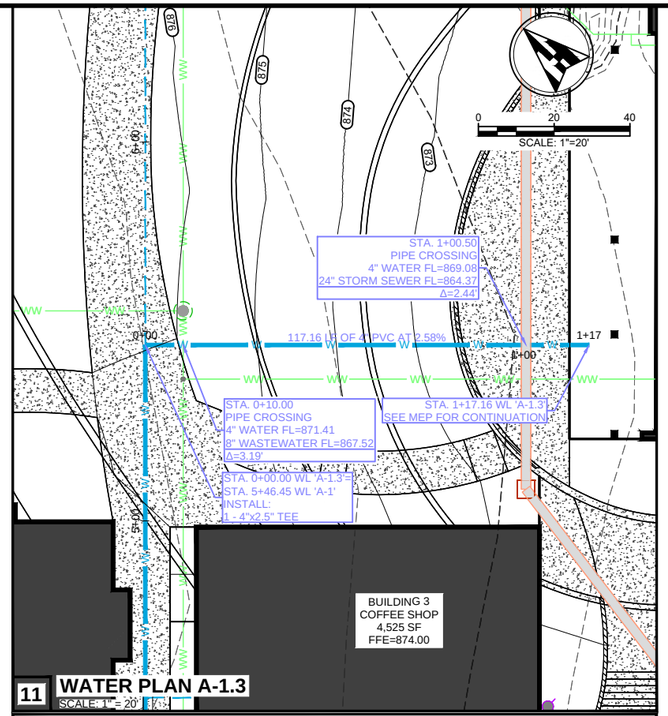
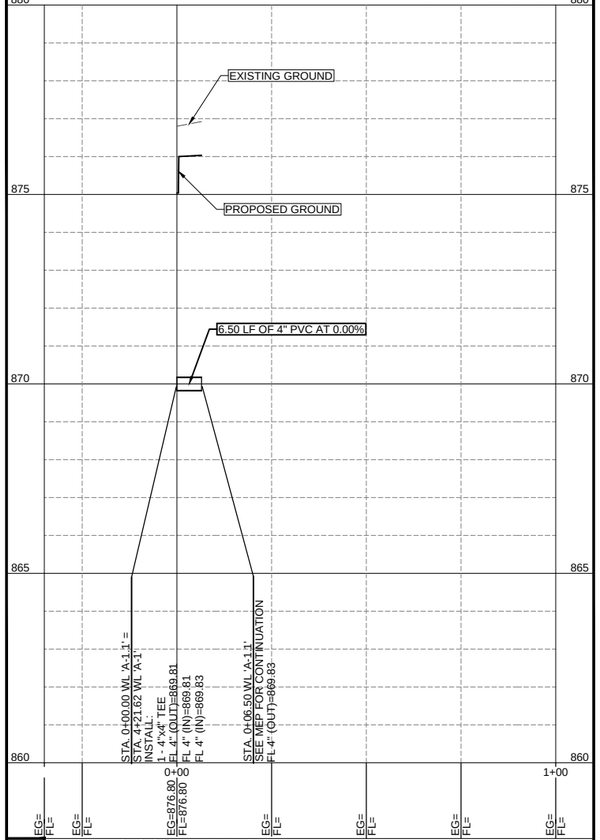


11 **WATER PLAN A-1.3**
SCALE: 1" = 20'



08 **WATER PROFILE A-1.1**
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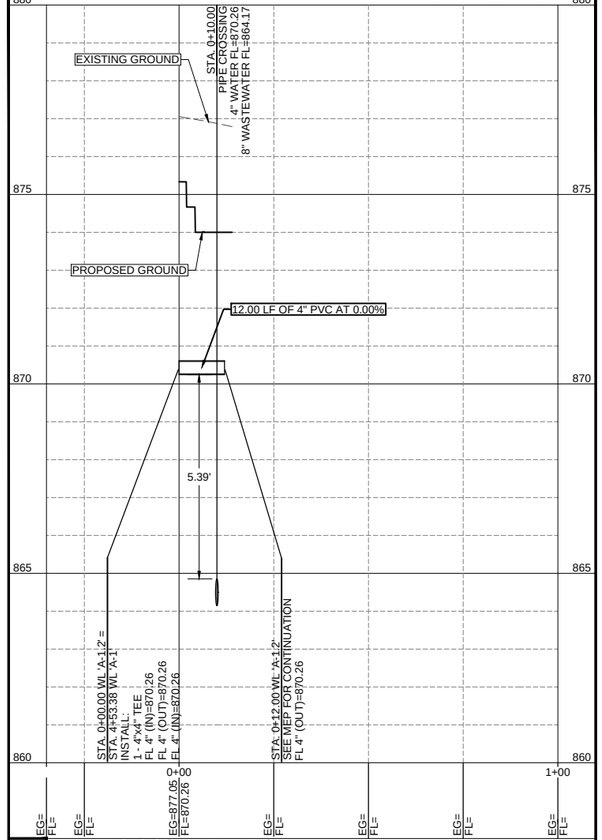

10 **WATER PROFILE A-1.2**
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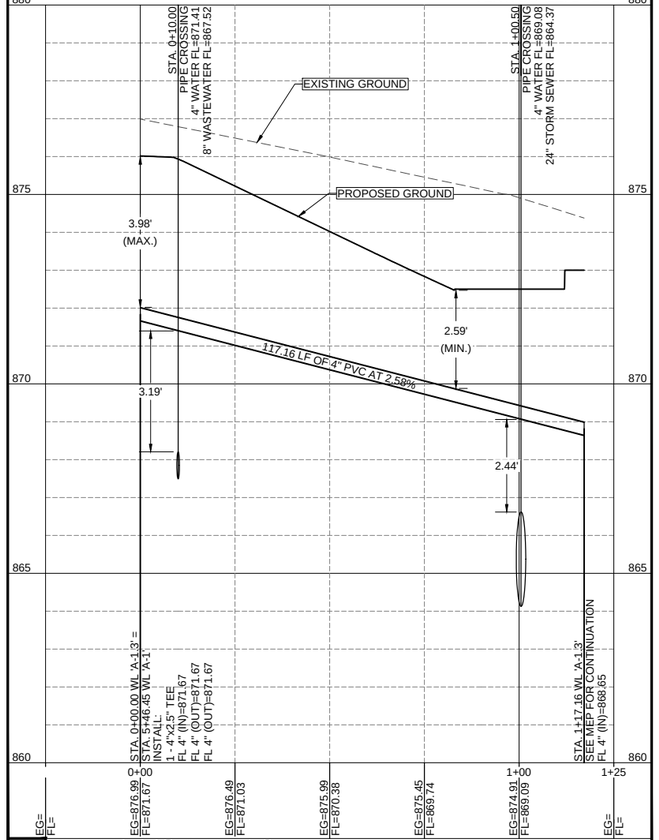

12 **WATER PROFILE A-1.3**
SCALE: 1" = 20'

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EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE - PHASE 1
	PROPOSED WATER LINE - FUTURE PHASES
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C18.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
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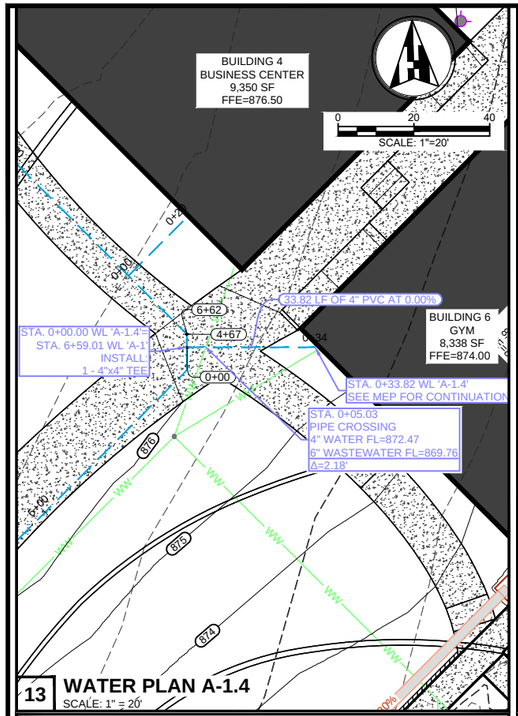

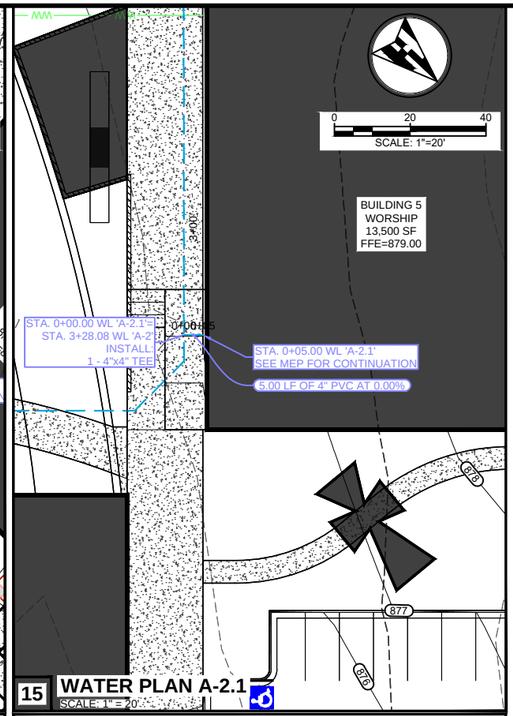

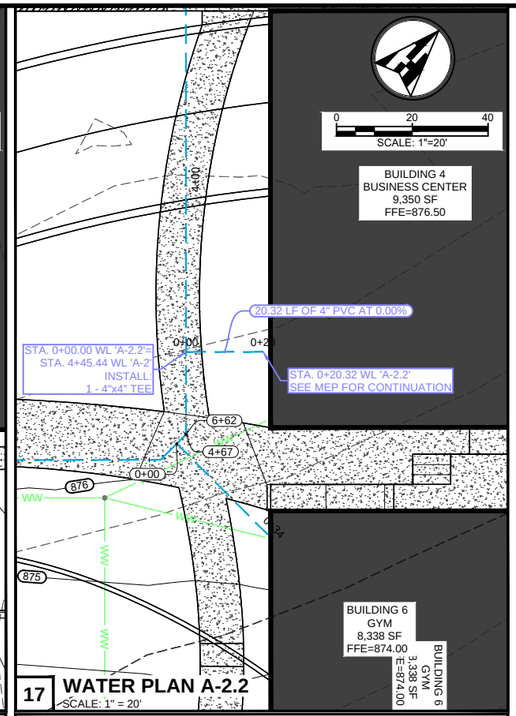

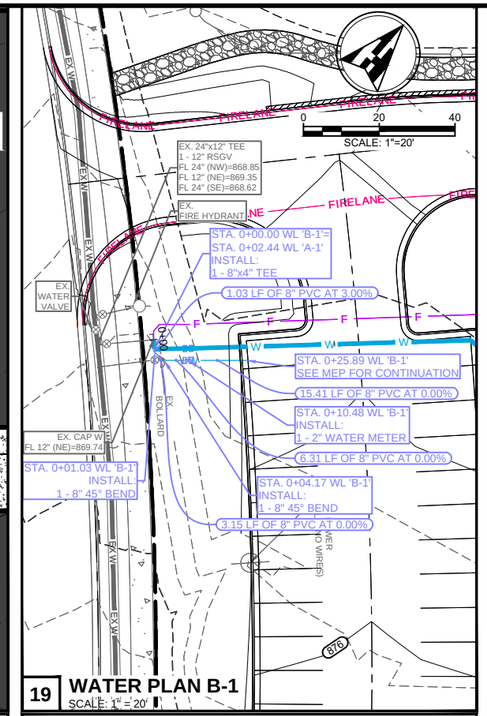

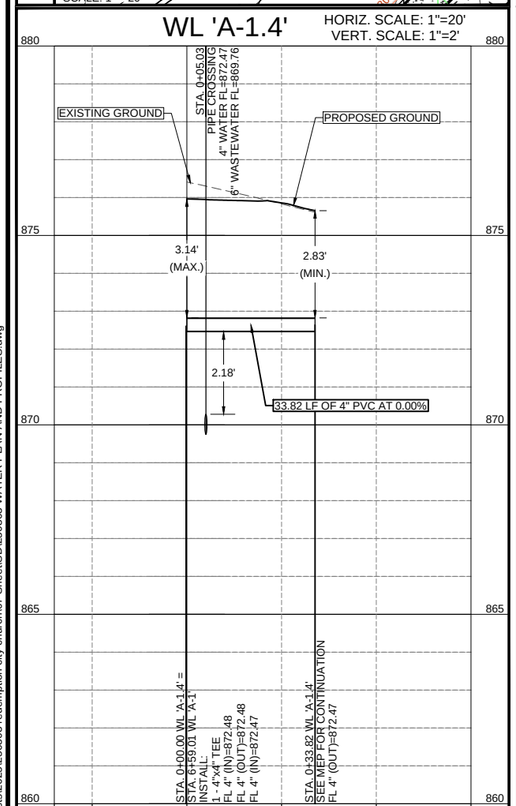

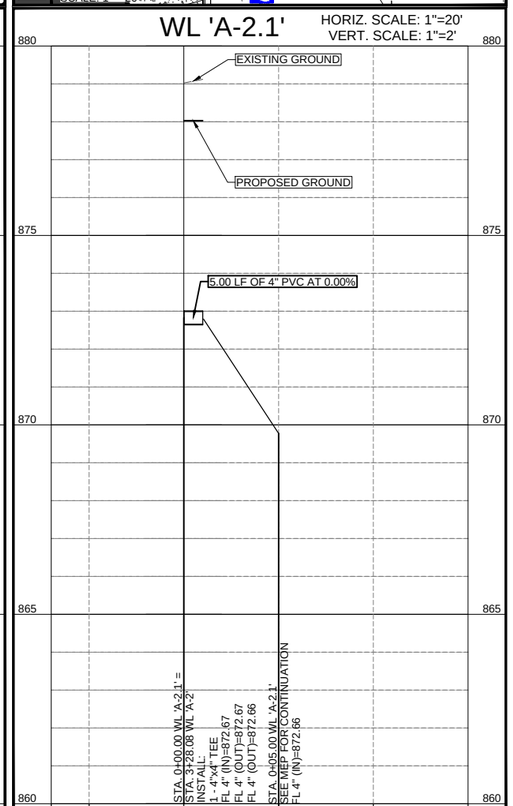

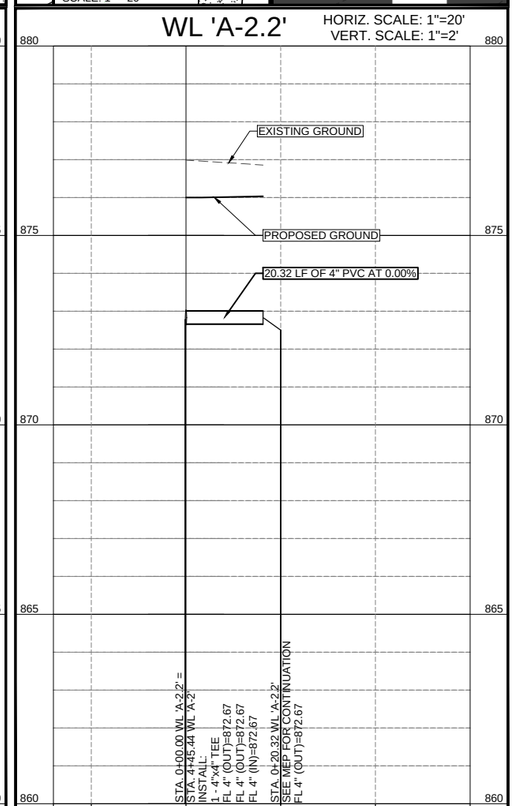

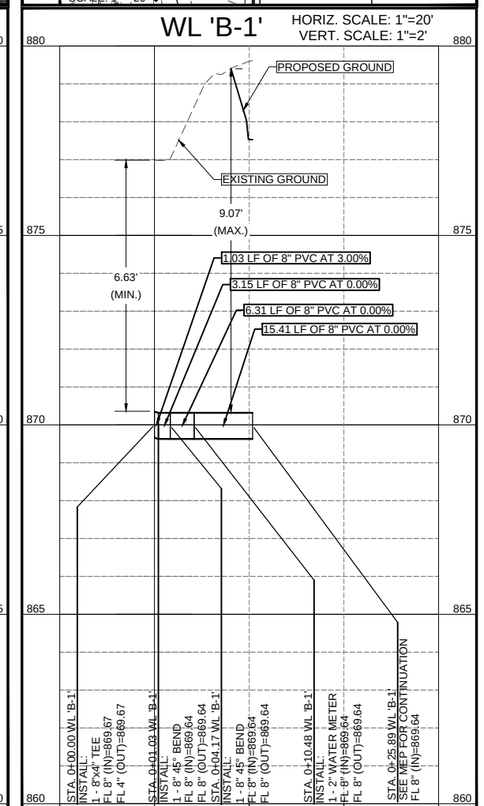

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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE - PHASE 1
W	PROPOSED WATER LINE - FUTURE PHASES
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
SD	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C18.04

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan Plot date: 16/03/2026
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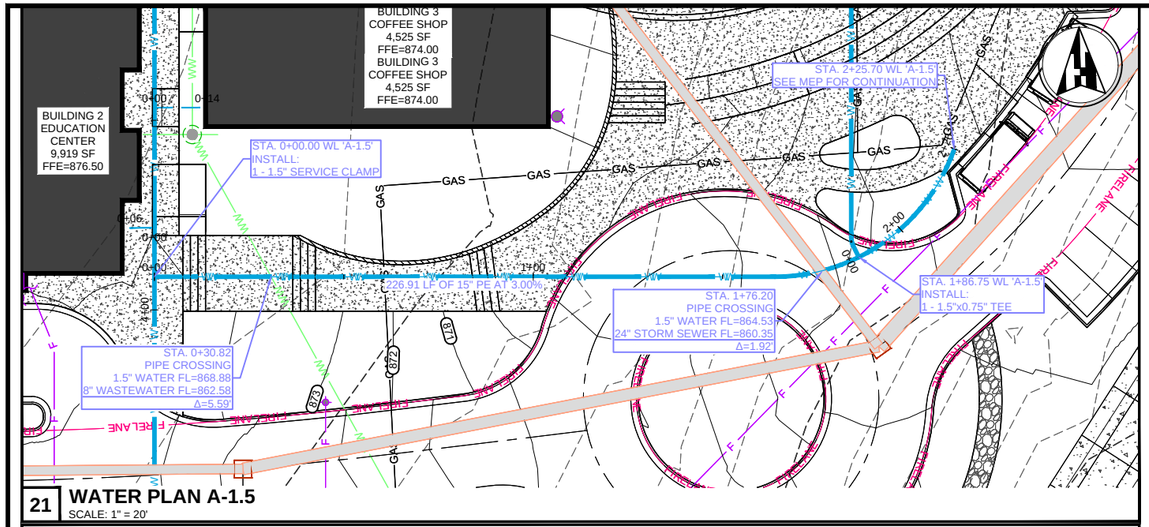
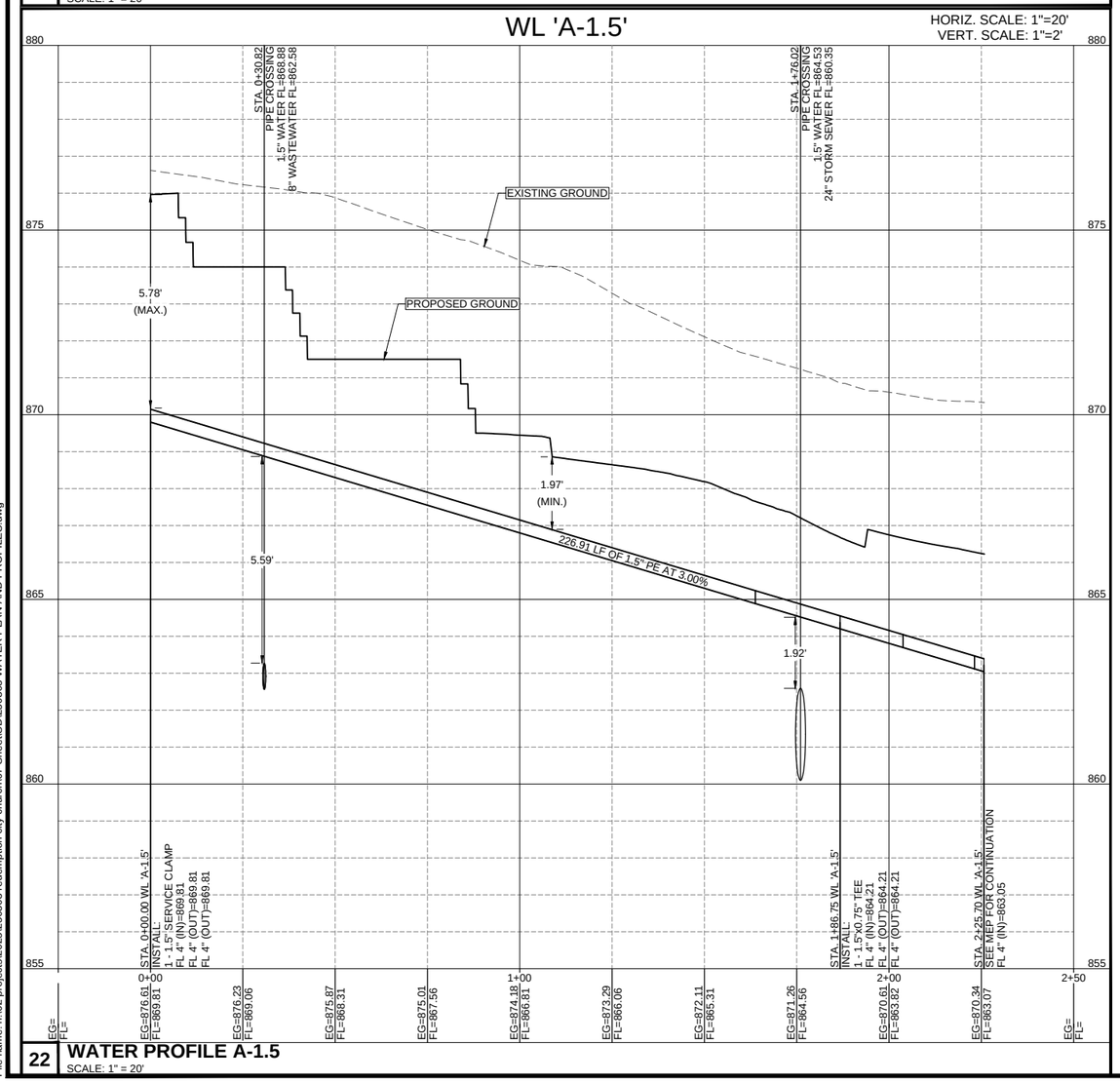
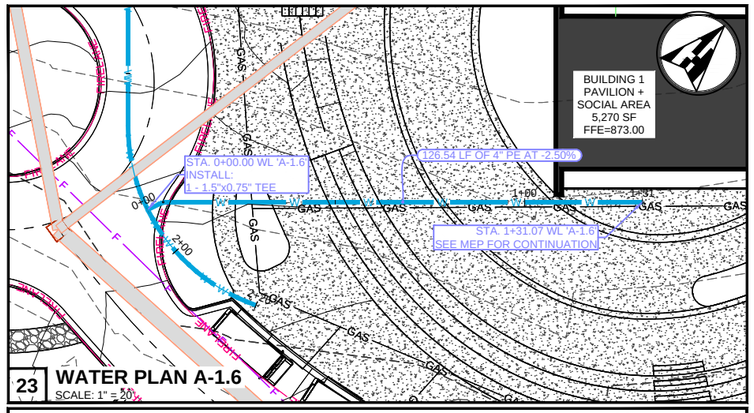


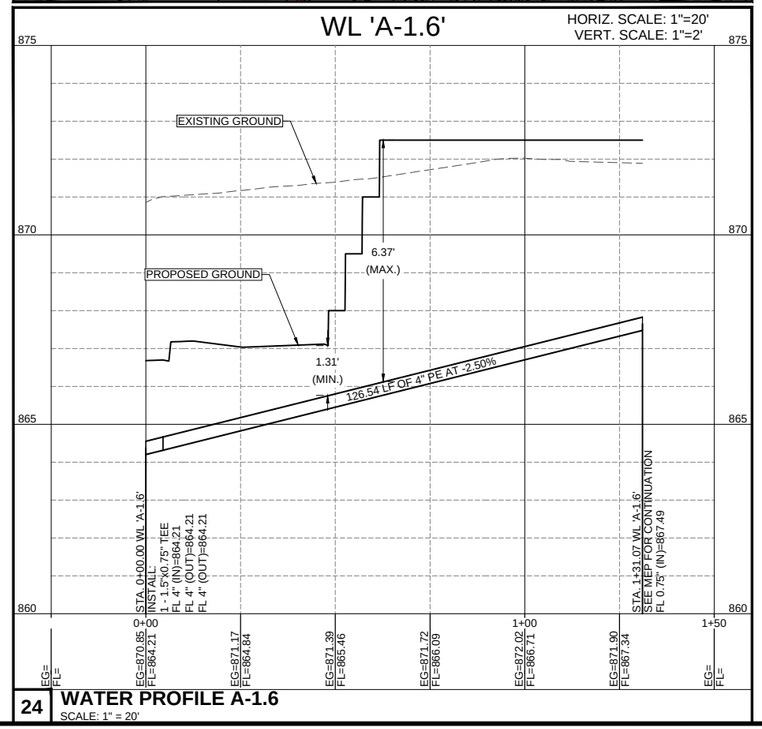
21 WATER PLAN A-1.5
SCALE: 1" = 20'



22 WATER PROFILE A-1.5
SCALE: 1" = 20'



23 WATER PLAN A-1.6
SCALE: 1" = 20'



24 WATER PROFILE A-1.6
SCALE: 1" = 20'

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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE - PHASE 1
	PROPOSED WATER LINE - FUTURE PHASES
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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COUNTY PROJECT NUMBER: 2025-1563-COC

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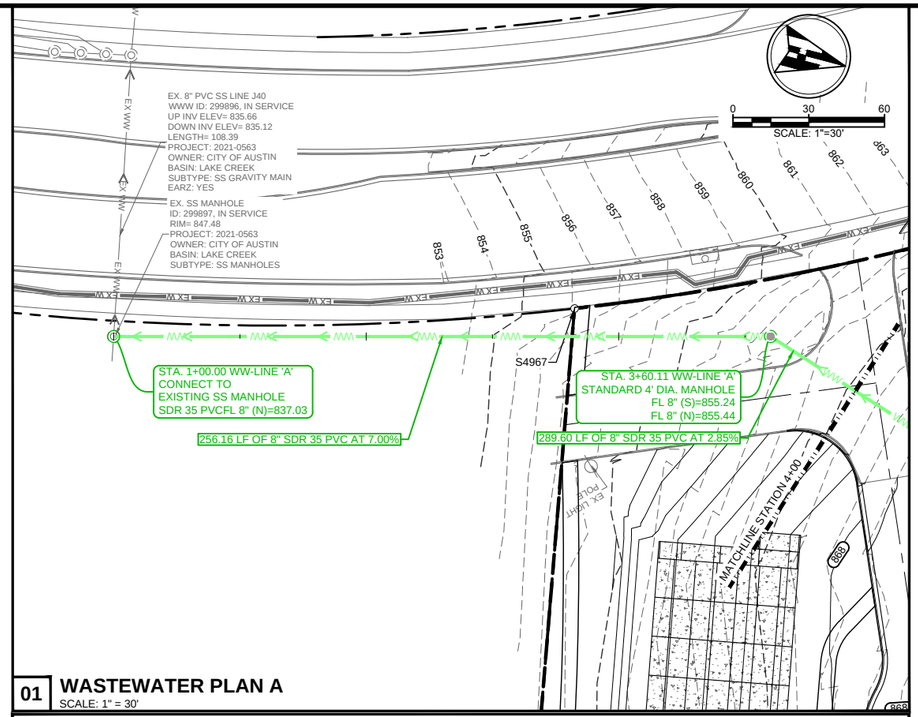
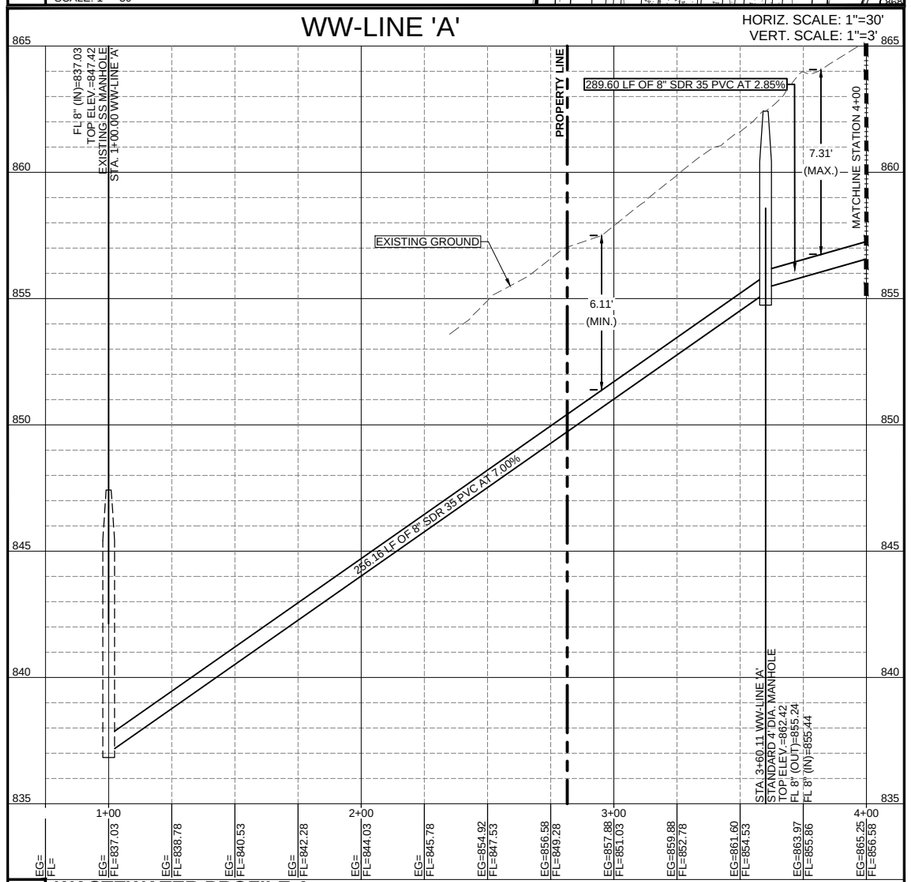


01 **WASTEWATER PLAN A**
SCALE: 1" = 30'



02 **WASTEWATER PROFILE A**
SCALE: 1" = 30'

LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE - PHASE 1
	PROPOSED WASTEWATER LINE - FUTURE PHASE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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C20.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan Plot date: 16/03/2026
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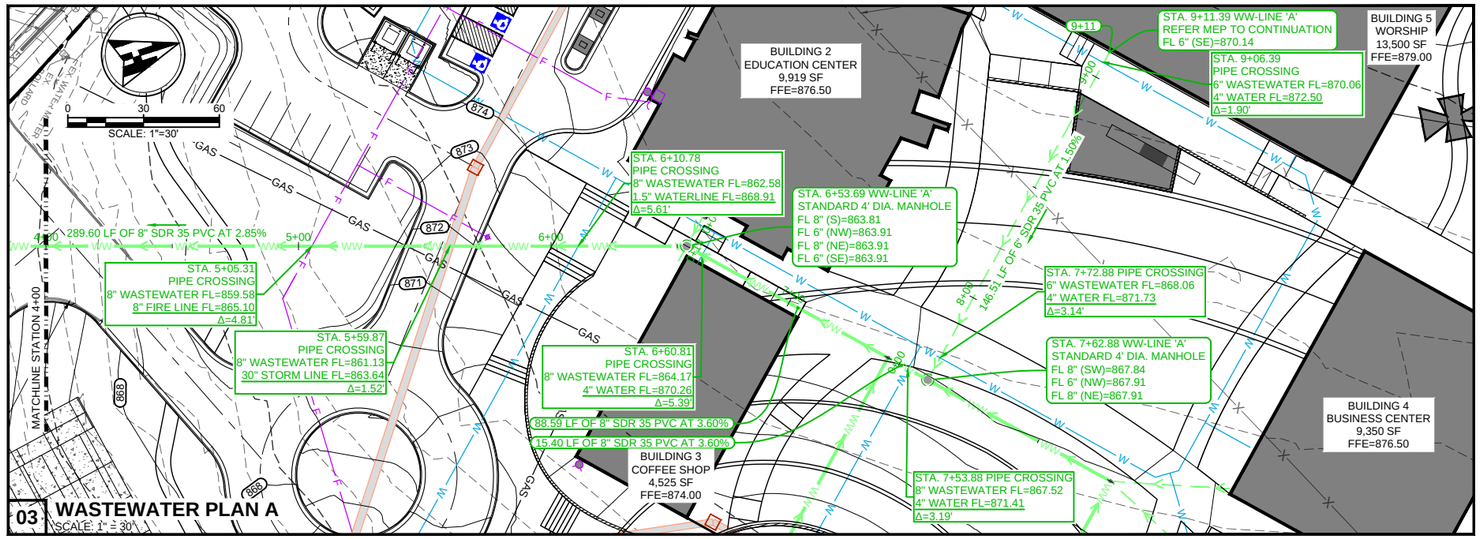
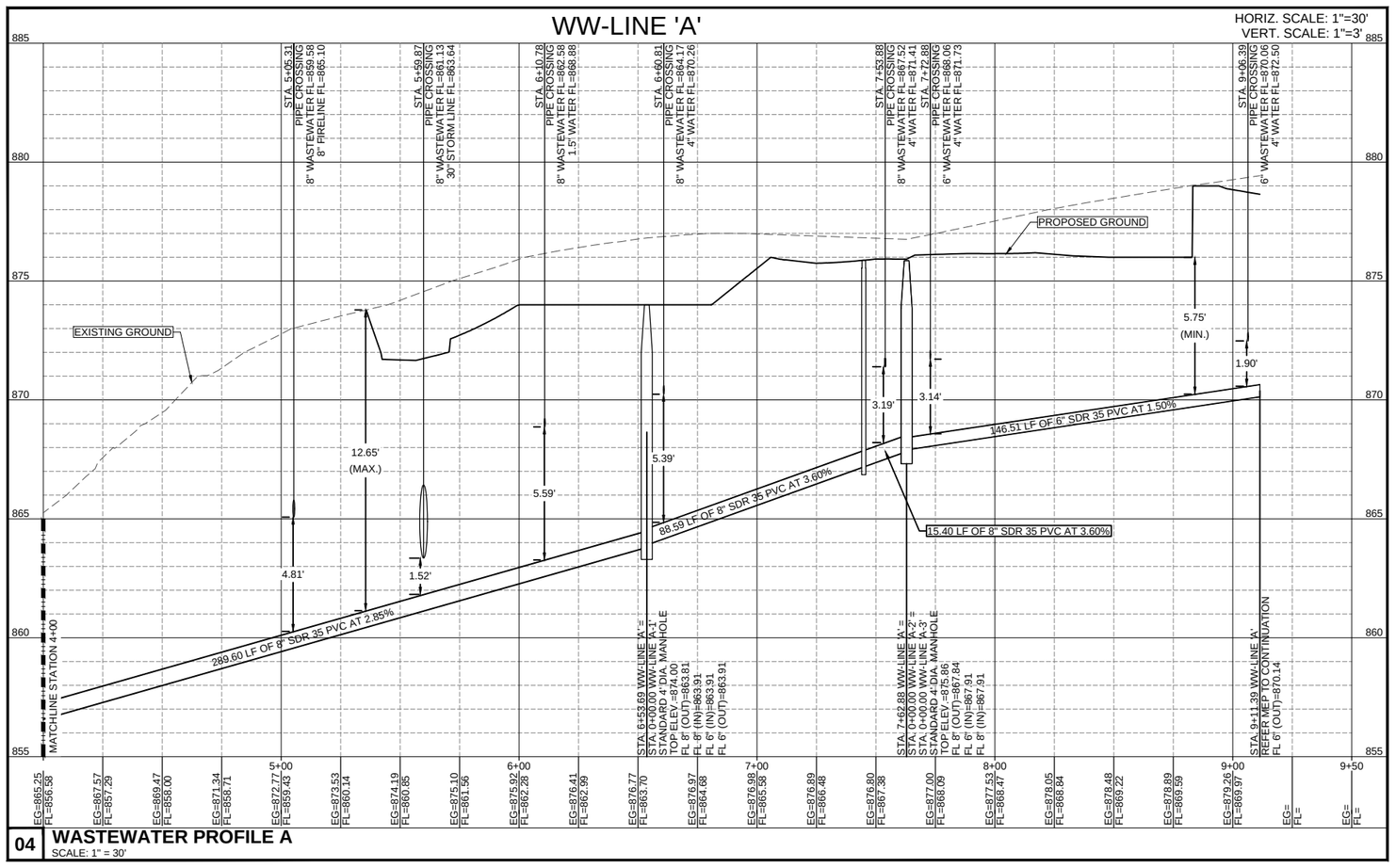


03 **WASTEWATER PLAN A**
SCALE: 1" = 30'



04 **WASTEWATER PROFILE A**
SCALE: 1" = 30'

LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE - PHASE 1
	PROPOSED WASTEWATER LINE - FUTURE PHASE
EX SD	EXISTING STORMWATER LINE
	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
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CHECKED BY: AR	
APPROVED BY: JH	

C20.01

Plotted by: Morgan, Plot date: 16/03/2026
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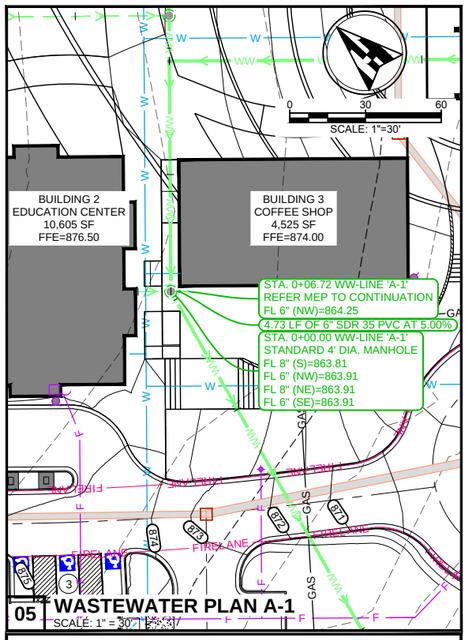
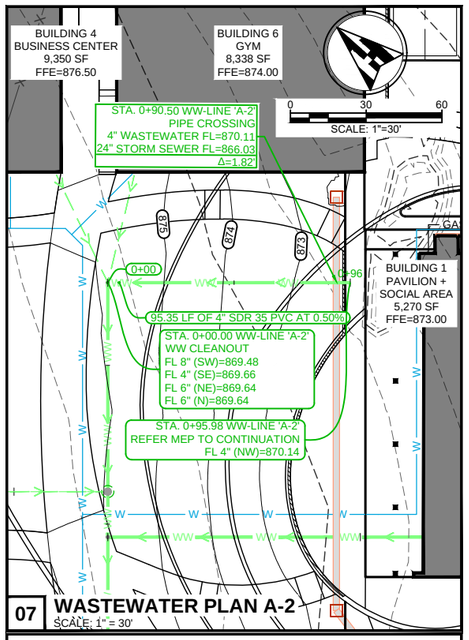
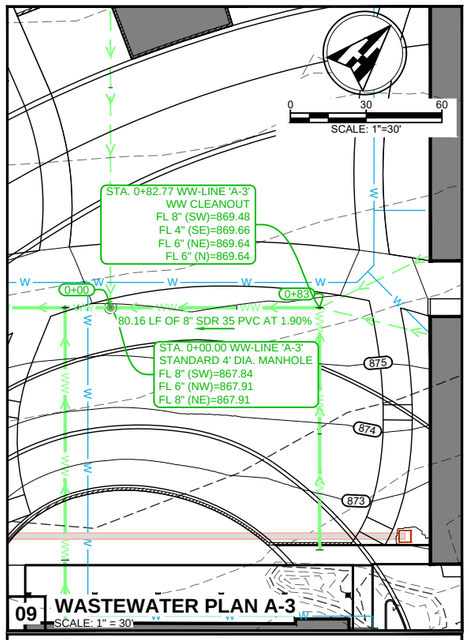
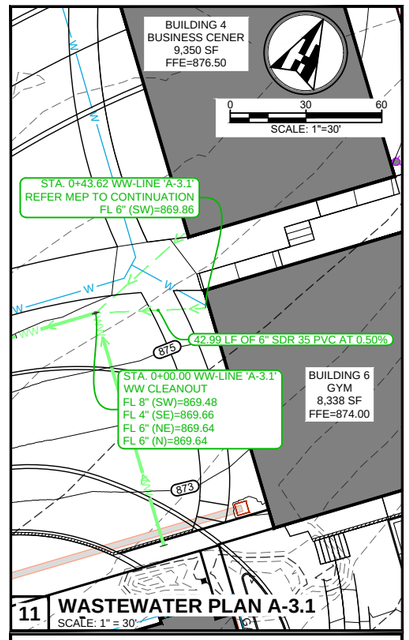
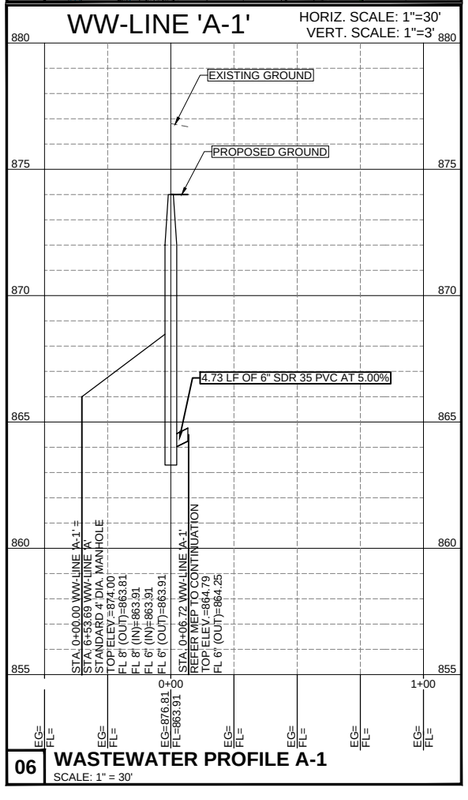
COUNTY PROJECT NUMBER: 2025-1563-COC

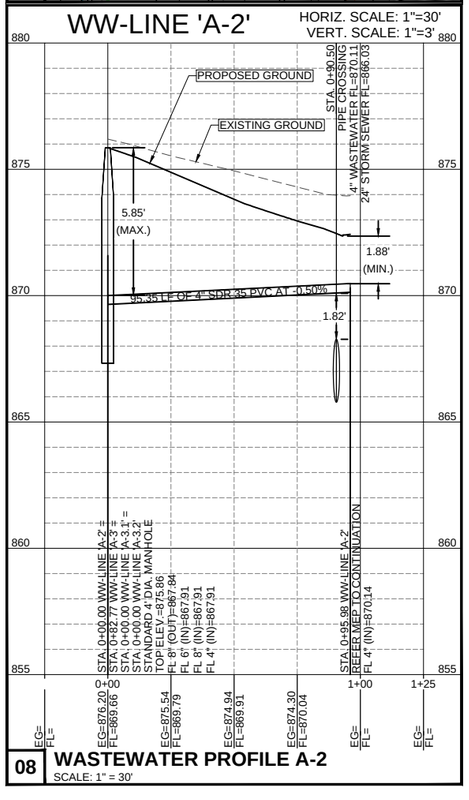


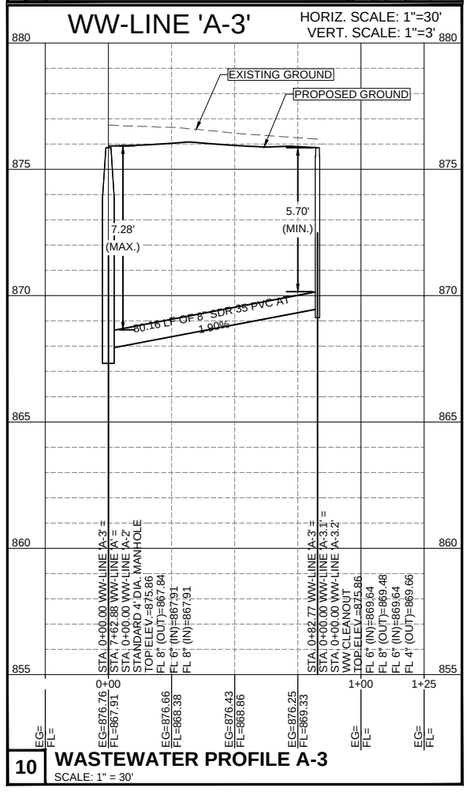


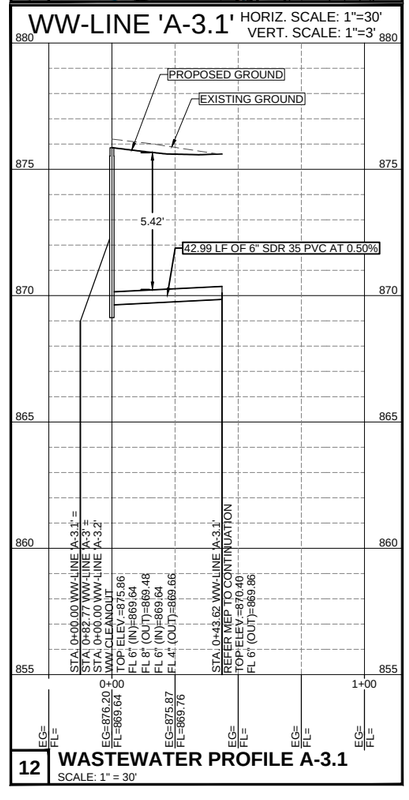












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LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE - PHASE 1
WW	PROPOSED WASTEWATER LINE - FUTURE PHASE
EX SD	EXISTING STORMWATER LINE
SD	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

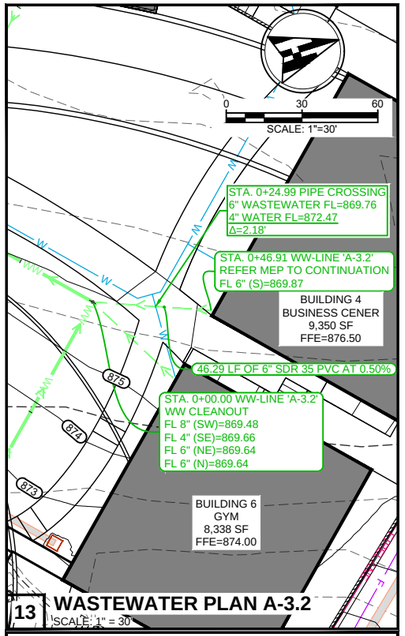
WASTEWATER PLAN AND PROFILES

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

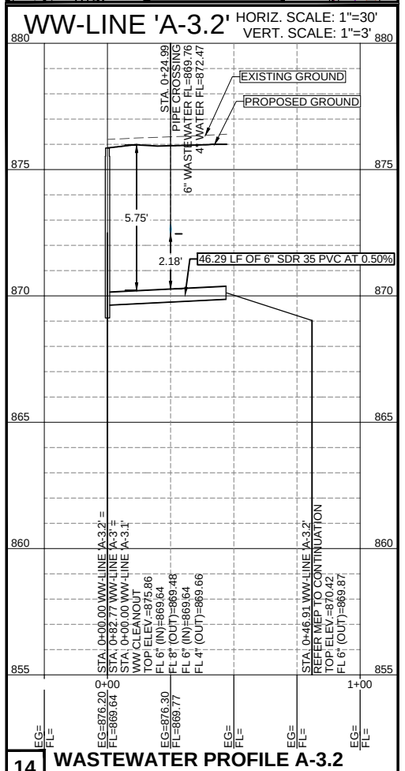
C20.02

Plotted by: Morgan. Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 SheetSD\250303 WASTEWATER PLAN AND PROFILES.dwg

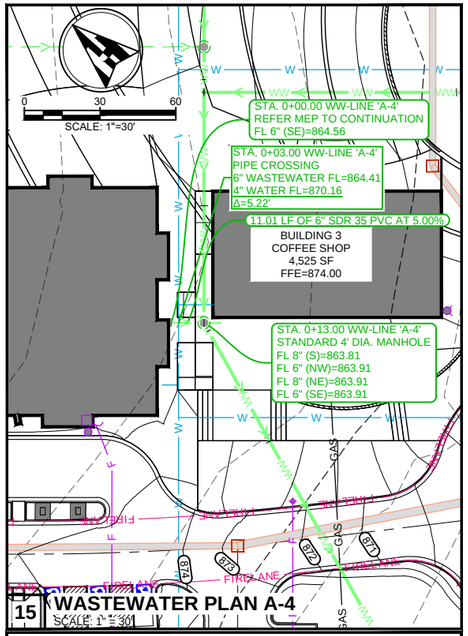
COUNTY PROJECT NUMBER: 2025-1563-COC



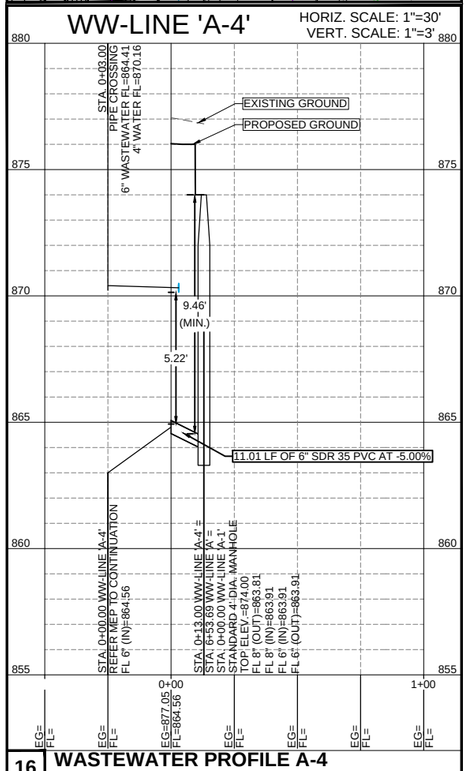
13 **WASTEWATER PLAN A-3.2**
SCALE: 1" = 30'



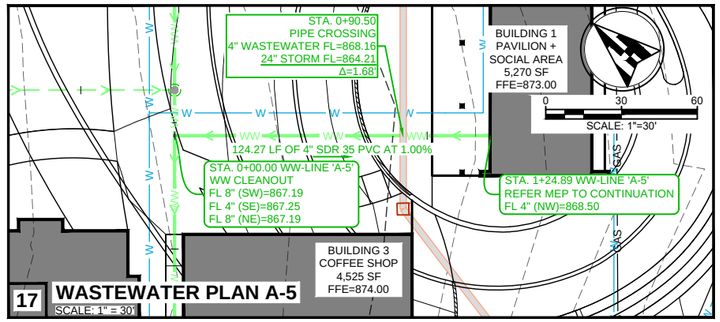
14 **WASTEWATER PROFILE A-3.2**
SCALE: 1" = 30'



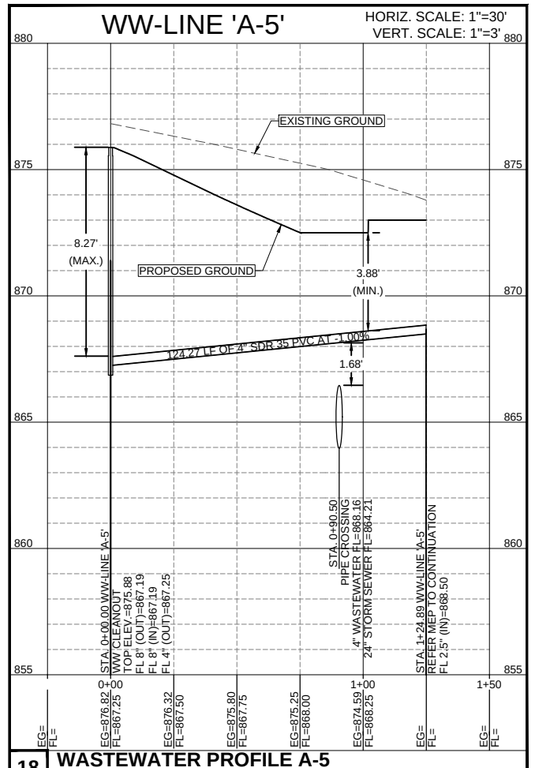
15 **WASTEWATER PLAN A-4**
SCALE: 1" = 30'



16 **WASTEWATER PROFILE A-4**
SCALE: 1" = 30'



17 **WASTEWATER PLAN A-5**
SCALE: 1" = 30'



18 **WASTEWATER PROFILE A-5**
SCALE: 1" = 30'

LEGEND	
EX W	EXISTING WATER LINE
W	PROPOSED WATER LINE
EX WW	EXISTING WASTEWATER LINE
WW	PROPOSED WASTEWATER LINE - PHASE 1
	PROPOSED WASTEWATER LINE - FUTURE PHASE
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	PROPOSED STORMWATER LINE
F	PROPOSED FIRE LINE
529	EXISTING CONTOUR
529	PROPOSED CONTOUR

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WASTEWATER PLAN AND PROFILES

STATE OF TEXAS
JENNIFER L HENDERSON
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PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

C20.03

COUNTY PROJECT NUMBER: 2025-1563-COC

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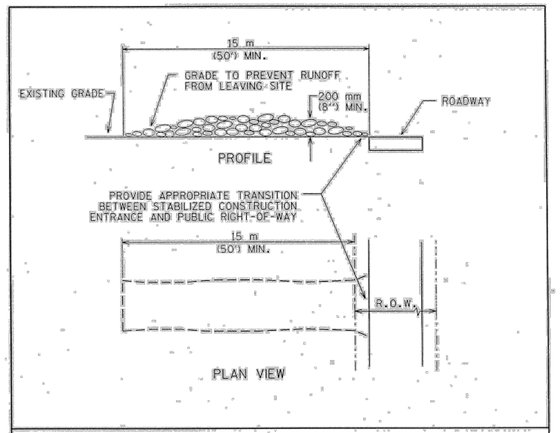
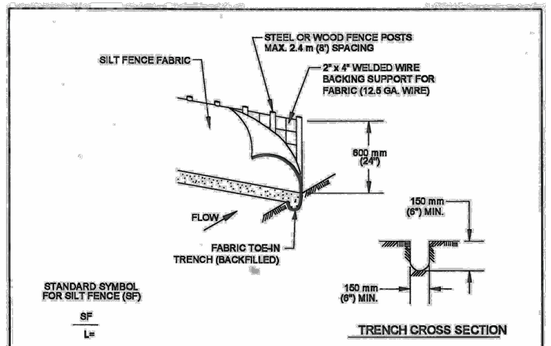


NOTES:

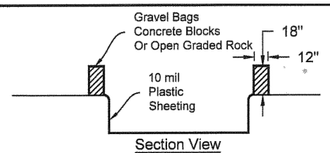
1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO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

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STABILIZED CONSTRUCTION ENTRANCE	
5/23/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 641S-1



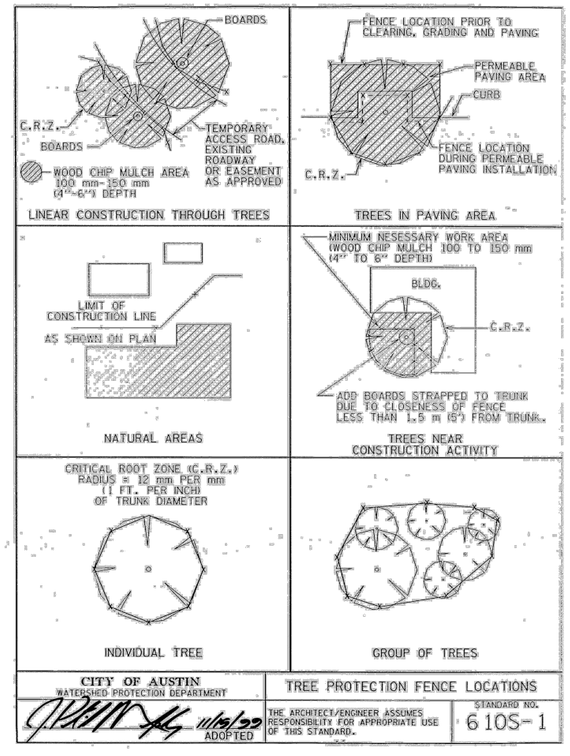
1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 Inches) DEPTH, USE STEEL POSTS.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A GRADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 Inches) DEEP AND 150 mm (6 Inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 Inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE	
9/1/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 642S-1

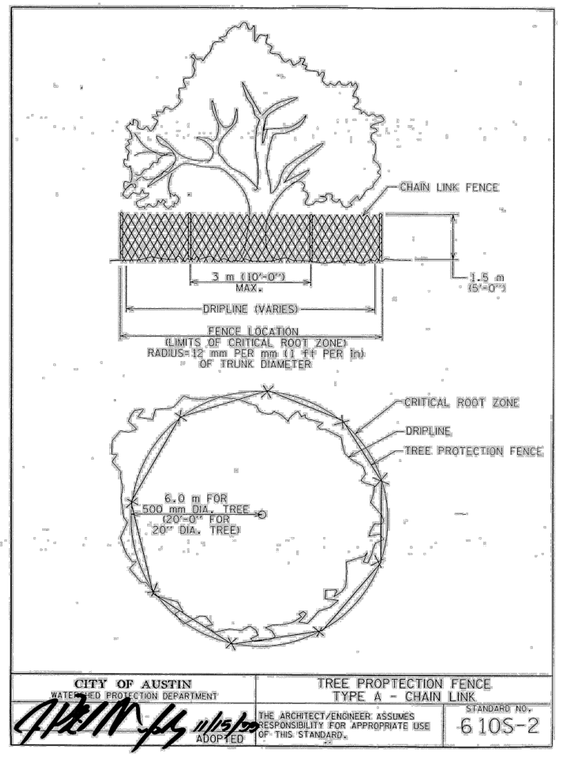


Alternative Self-Installed Construction Site Concrete Truck Washout

1. The excavation for the concrete truck washout shall be a minimum of 10' wide and of sufficient length and depth to accommodate 7 gallons of washout water and concrete per truck per day and/or 50 gallons of washout water and concrete per pump truck per day.
2. In the event that the self-installed concrete truck washout is constructed above ground, it shall be 10' wide and 10' long with the same requirements for containment as described in item 1.
3. The containment area shall be lined with 10 mil plastic sheeting, without holes or tears. Where there are seams, these shall be secured according to manufacturers directions.
4. The plastic sheeting shall be of sufficient size so that it will overlap the top of the containment area and be wrapped around the gravel bags, concrete blocks or open graded rock as least 2 times.
5. The gravel bags or concrete blocks shall be placed abutting each other to form a continuous berm around the outer perimeter of the containment area.
6. The berm consisting of gravel bags, concrete blocks or open graded rock shall be no less than 18" high and no less that 12" wide.
7. The containment area shall not exceed 50% of capacity at any one time.
8. Solids shall be removed from containment area and disposed of properly and any damage to the plastic sheeting shall be repaired or sheeting replaced before next use.



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROTECTION FENCE LOCATIONS	
11/15/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-1



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROPTECTION FENCE TYPE A - CHAIN LINK	
11/15/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-2

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STANDARD DETAILS - ESC

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C23.01

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
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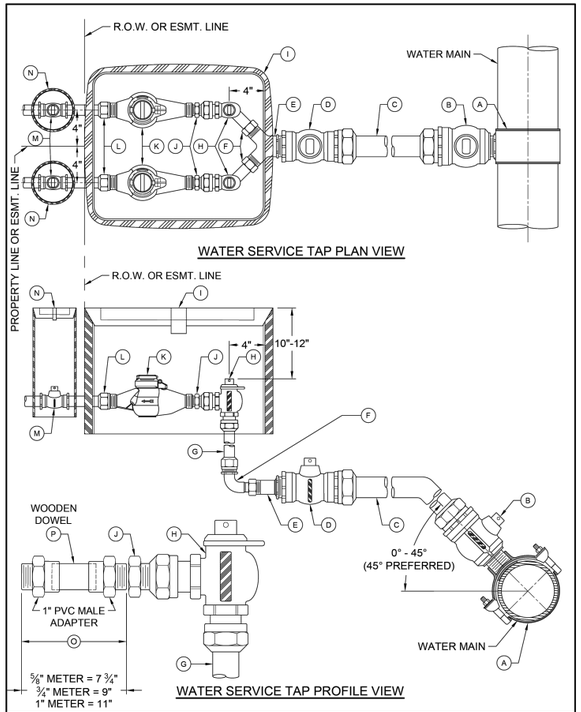


CITY OF AUSTIN AUSTIN WATER	WATER SERVICE & METER INSTALLATION - 1" & SMALLER METERS	
RECORD COPY SIGNED *JEFF A. KYLE* *08/16/2019* ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 520-AW-01B 1 OF 2

MATERIALS LIST:

A. 2" SERVICE CLAMP, SPL WW-264
B. 2" CORPORATION STOP, SPL WW-68
C. 2" HDPE WATER SERVICE TUBING, SPL WW-65
D. 2" BALL VALVE, SPL WW-68
E. SINGLE SERVICE: 2" MIP X 1" COPPER FLARE FITTING, SPL WW-68 OR DOUBLE SERVICE: 2" MIP X 1" COPPER FLARE WYE, SPL WW-68
F. 1" SWIVEL NUT x 1" COMPRESSION 90° BEND, SPL WW-68
G. 1" HDPE WATER SERVICE TUBING, SPL WW-65
H. 1" ANGLE METER STOP, SPL WW-68
I. METER BOX AND LID, SPL WW-145A;
FOR DUAL 1" METERS: USE TWO SINGLE METER BOXES

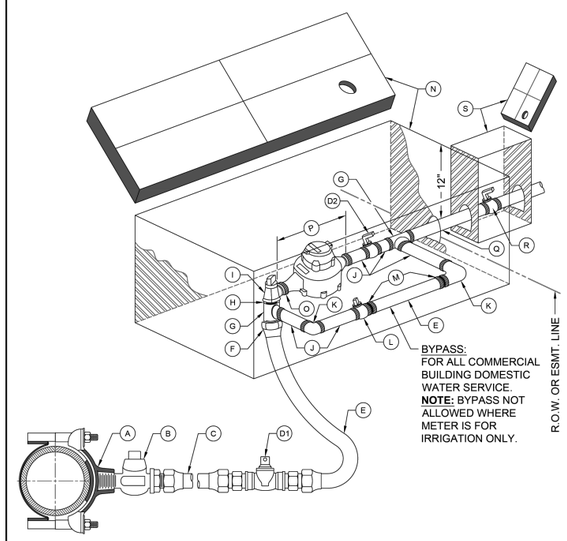
MATERIALS TO BE INSTALLED BY PLUMBER:

J. BRASS METER BUSHING - SIZE AS NEEDED TO CONNECT ANGLE METER STOP TO METER
K. WATER METER PURCHASED FROM AUSTIN WATER
L. BRASS WATER METER COUPLING MALE IPT x SWIVEL COUPLING NUT:
⅝" AND ¾" METERS: 8 ½" LONG x ¾" DIA.
1" METERS: 8 ½" LONG x 1" DIA.
M. PROPERTY OWNER'S CUT OFF VALVE, SPL WW-276
N. PROPERTY OWNER'S CUT OFF VALVE BOX AND LID
O. TEMPORARY METER SPACER (REQUIRED TO ASSURE METER WILL FIT APPROPRIATELY)
P. 1" WOODEN DOWEL (SHOW ADDRESS ON DOWEL USING WATERPROOF MARKER)

NOTES:

1. SERVICE CLAMP SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM, SPL WW-27D.
2. BRANCH CONNECTIONS AND ALL ANGLE METER STOPS MUST BE INSTALLED PRIOR TO ANY METER INSTALLATION.
3. TOP OF METER BOXES SHOULD BE 4" ABOVE GROUND.
4. PIPING AND TUBING IN STREET RIGHT-OF-WAY SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY SECTION 510.3 (14) OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS; BACKFILL ABOVE GRANULAR BEDDING AS REQUIRED BY SECTION 510.3 (25).
5. METER BOX MUST BE BEHIND CURB NEXT TO PROPERTY LINE OR EASEMENT AND OUT OF VEHICULAR TRAFFIC AREA AND SIDEWALK.
6. BALL VALVE "D" SHALL NOT BE LOCATED UNDER SIDEWALK, CURB, OR PAVEMENT, AND NOT BE LOCATED MORE THAN 36" BELOW FINAL GRADE.
7. METER SIZES TO BE SHOWN ON PLANS.
8. METER BOX CUT OUTS SHALL NOT EXCEED TWO TIMES THE PIPE DIAMETER.
9. INSTALL METALLIC TRACER TAPE, SPL WW-597, MINIMUM 1' ABOVE TUBING FROM SERVICE CLAMP "A" TO BALL VALVE "D".
10. TUBING SHALL BE PLACED IN A STRAIGHT ALIGNMENT AND ALLOWED TO RELAX AND "SNAKE" LOOSELY IN THE TRENCH. TUBING BEHIND CURB AND GUTTER SHALL BE INSTALLED WITH A MINIMUM 2' DEPTH OF COVER.
11. 1" TUBING, WHEN BENT, SHALL HAVE A RADIUS NO SMALLER THAN 3'. 2" TUBING, WHEN BENT, SHALL HAVE A RADIUS NO SMALLER THAN 5'. BRASS FITTINGS SHALL NOT BE CONNECTED TO A BENT SECTION OF TUBING.
12. SOLID, TUBULAR STAINLESS STEEL INSERT STIFFENERS FOR HDPE TUBING SHALL BE USED AT ALL COMPRESSION FITTINGS. INSERT STIFFENERS SHALL BE FROM THE SAME MANUFACTURER AS THE COMPRESSION FITTING USED.
13. FOR RECLAIMED WATER SERVICES AND METERS, ALL RECLAIMED TUBING SHALL BE MANUFACTURED SOLID PURPLE, SPL WW-65A. ALL APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL METER BOX LIDS SHALL BE PURPLE AND HAVE **"RECLAIMED WATER"** CAST INTO THEM, SPL WW-145A.

CITY OF AUSTIN AUSTIN WATER	WATER SERVICE & METER INSTALLATION - 1" & SMALLER METERS	
RECORD COPY SIGNED *JEFF A. KYLE* *08/16/2019* ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 520-AW-01B 2 OF 2



CITY OF AUSTIN AUSTIN WATER	1 ½" - 2" METER INSTALLATION SHOWING OPTIONAL BYPASS	
RECORD COPY SIGNED BY KATHI L FLOWERS *05/18/2016* ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 520-AW-04 1 OF 2

MATERIALS LIST:

A. 2" SERVICE CLAMP
B. 2" CORPORATION STOP MALE THREAD INLET BY COMPRESSION OUTLET
C. 2" COPPER WATER SERVICE TUBING EXTENDED BEYOND PAVEMENT
D1. 2" BALL VALVE, SPL WW-275
D2. 2" BALL VALVE, SPL WW-275
E. 2" COPPER SERVICE TUBING
F. 2" BRASS COUPLING - COMPRESSION TO MALE IPT
G. 2" BRASS TEE
H. 2" BRASS CLOSE-NIPPLE
I. 2" ANGLE METER STOP; SERVICE TUBING INLET x FLANGED OUTLET
J. 2" BRASS NIPPLE
K. 2" BRASS ELBOW
L. 2" LOCKABLE CURB STOP - FEMALE IPT INLET BY COMPRESSION OUTLET
M. 2" BRASS COUPLING - SERVICE TUBING TO MALE IPT
N. RECTANGULAR METER BOX AND COVER, SPL WW-145A
O. BRASS ADAPTER (2" x 1 ½") FOR 1 ½" METER ONLY
P. WATER METER. LENGTH 13", (PURCHASED FROM AUSTIN WATER)
Q. 2" COPPER SERVICE TUBING (PRIVATE PLUMBING PER CODE)
R. CUSTOMER CUT-OFF VALVE
S. CUSTOMER VALVE BOX AND LID

NOTES:

1. SERVICE CLAMP SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
2. BRANCH CONNECTIONS AND ALL ANGLE METER STOPS MUST BE INSTALLED PRIOR TO ANY METER INSTALLATION.
3. TOP OF BOXES SHOULD BE 1" ABOVE GROUND.
4. PIPING AND TUBING IN STREET RIGHT-OF-WAY SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY SECTION 510.3 (14) OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS; BACKFILL ABOVE GRANULAR BEDDING AS REQUIRED BY SECTION 510.3 (25).
5. BOX MUST BE BEHIND CURB NEXT TO PROPERTY LINE OR EASEMENT AND OUT OF VEHICULAR TRAFFIC AREA AND SIDEWALK.
6. BALL VALVE "D1" SHALL NOT BE LOCATED UNDER SIDEWALK, CURB, OR PAVEMENT, AND NOT BE LOCATED MORE THAN 24" HORIZONTALLY FROM METER BOX OR 36" BELOW FINAL GRADE.
7. COPPER SERVICE SHALL BE COPPER TUBING SIZE ANNEALED SEAMLESS TYPE "K" MEETING ASTM B88 WITH NO SWEAT OR SOLDERED JOINTS.

RECLAIMED WATER:

FOR RECLAIMED WATER SERVICES AND METERS, ALL RECLAIMED TUBING SHALL BE MANUFACTURED PURPLE TUBING. ALL OTHER TUBING AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL TUBING AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE **"RECLAIMED WATER"** CAST INTO THEM.

CITY OF AUSTIN AUSTIN WATER	1 ½" - 2" METER INSTALLATION SHOWING OPTIONAL BYPASS	
RECORD COPY SIGNED BY KATHI L FLOWERS *05/18/2016* ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 520-AW-04 2 OF 2

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STANDARD DETAILS - WATER

STATE OF TEXAS
JENNIFER L. HENDERSON
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LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

C23.02

COUNTY PROJECT NUMBER: 2025-1563-COC

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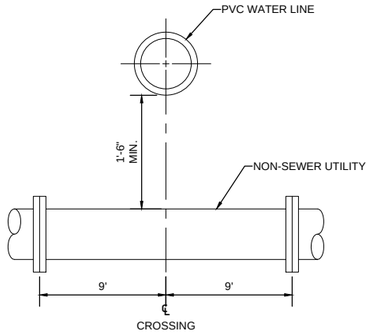
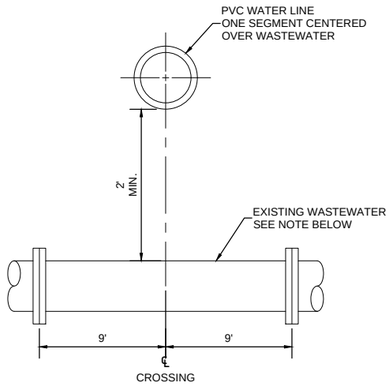


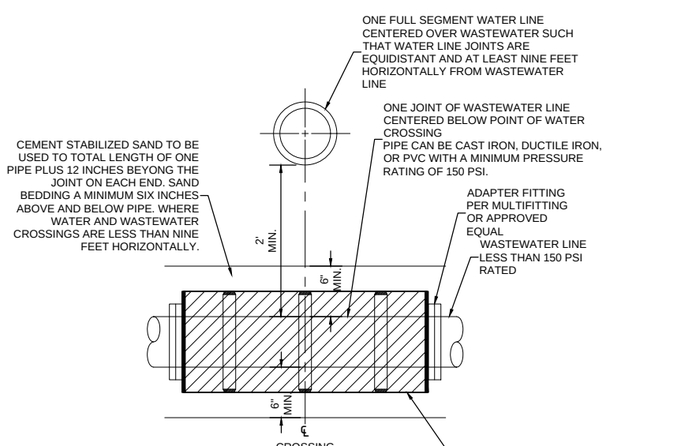
WATER OVER/UNDER DRY UTILITIES (OTHER THAN WASTEWATER)

NOTE:
WHERE ANY UTILITY OTHER THAN WASTEWATER CROSSES UNDER A WATER LINE, THE SEPARATION BETWEEN THEM SHALL BE A MINIMUM OF 18".



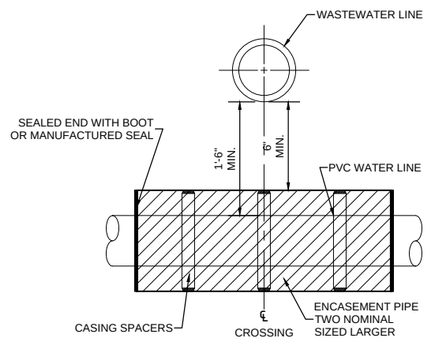
WATER OVER WASTEWATER (EXISTING NON-PRESSURE)

NOTE:
IF THE EXISTING WASTEWATER LINE IS DISTURBED OR LEACHING, REPLACE AT LEAST NINE FEET IN EACH DIRECTION OF THE CROSSING WITH MINIMUM150 PSI PIPE.



NEW WATER OVER WASTEWATER (NEW NON-PRESSURE)

NOTES:
1. ALL SECTIONS OF WASTEWATER MAIN OR LATERAL WITHIN NINE FEET HORIZONTALLY OF THE WATER LINE SHALL BE ENCASED IN AN 18 FOOT OR LONGER SECTION OF PIPE.
2. ENCASEMENT PIPE IS ONLY REQUIRED WHERE WASTEWATER PIPE IS LESS THAN 18 FEET IN LENGTH.
3. CENTER THE ENCASEMENT PIPE ON THE CROSSING.
4. WHERE CEMENT STABILIZED SAND SHALL HAVE A MINIMUM 10% CEMENT PER CUBIC YARD OF STABILIZED SAND MIXTURE ON LOOSE DRY WEIGHT VOLUME (2.5 BAGS OF CEMENT PER CUBIC YARD OF MIXTURE).
5. ENCASED WASTEWATER LINE AND JOINTS SHALL HAVE A MINIMUM PRESSURE RATING OF 150 PSI.



WASTEWATER OVER WATER (NON-PRESSURE)

NOTE:
THE MINIMUM LENGTH OF ENCASEMENT PIPE SHALL BE 18 FEET AND TWO NOMINAL SIZES LARGER THAN THE NEW WATER LINE. THE SPACE AROUND THE CARRIER PIPE SHALL BE SUPPORTED AT FIVE FOOT INTERVALS WITH SPACERS OR BE FILLED TO THE SPRINGLINE WITH WASHED SAND. THE ENCASEMENT PIPE SHOULD BE CENTERED ON THE CROSSING AND BOTH ENDS SEALED WITH NON-SHRINK CEMENT GROUT OR MANUFACTURED SEAL. ENCASEMENT PIPE SHALL BE STEEL OR PVC WITH A PIPE STIFFNESS OF 115 PSI AT 5.0% DEFLECTION.

01 WATER CROSSING DETAILS
SCALE: 1" =1'

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3	
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5	

SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

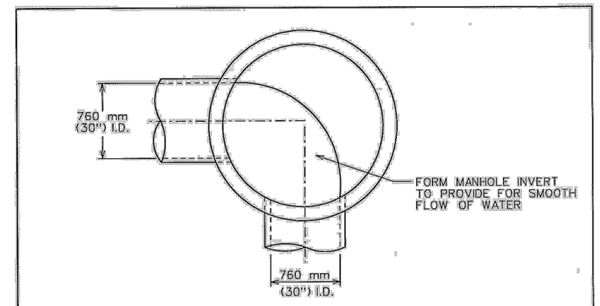
STANDARD DETAILS - WATER CROSSING

PROJECT NO. 250303	
03/16/2026	
DRAWN BY: JS	
CHECKED BY: AR	
APPROVED BY: JH	

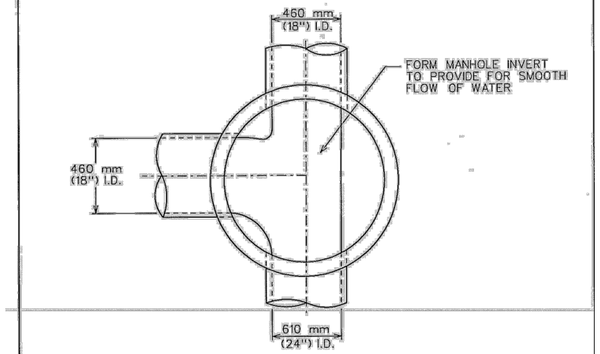
C23.03

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STANDARD DETAILS SHEETS.dwg

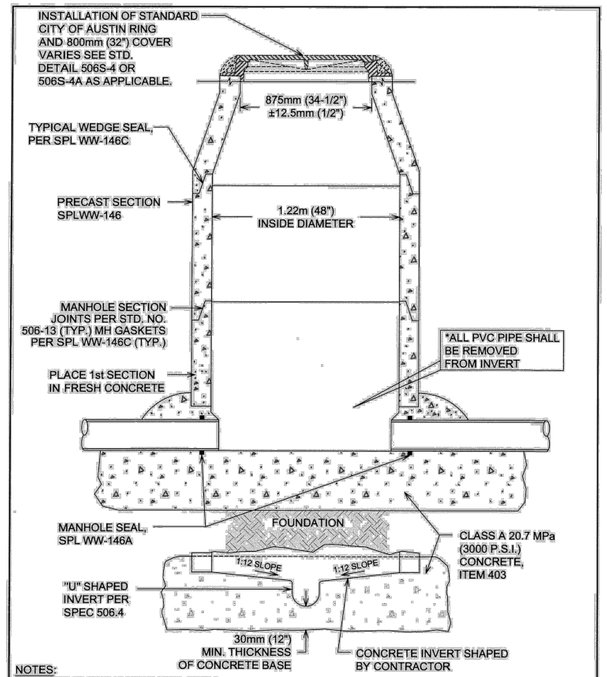


TYPICAL MANHOLE AT ANGLE IN STORM DRAIN



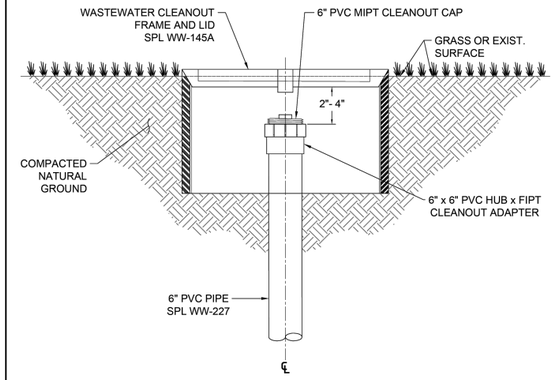
TYPICAL JUNCTION MANHOLE

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	MANHOLE INVERT PLAN	
George E. Rawald 2/14/02 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 506S-1



NOTES:
1. FOR EXISTING WW LINES ONLY.
2. MANHOLE FOUNDATION SHALL MEET OR EXCEED STD. SPEC 506.5B
3. FIRST RISER SECTION SHALL BE PLACED PLUMB & LEVEL PRIOR TO SETTING ANY ADDITIONAL SECTIONS.

CITY OF AUSTIN AUSTIN WATER UTILITY	PRECAST MANHOLE ON CAST IN PLACE BASE	
Kathi K Flowers 8/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 506S-9



NOTE:

1. WASTEWATER CLEANOUT FRAME AND LID SHALL NOT BE PLACED IN PAVED AREAS, INCLUDING SIDEWALKS, DRIVEWAYS, OR PARKING LOTS, AND MUST BE LOCATED A MINIMUM OF 6" FROM ALL PAVED AREAS.

CITY OF AUSTIN AUSTIN WATER	WASTEWATER CLEANOUT FRAME AND LID	
JEFF A. KYLE 08/16/2019 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520-AW-03 1 OF 1

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SITE DEVELOPMENT PLANS
TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

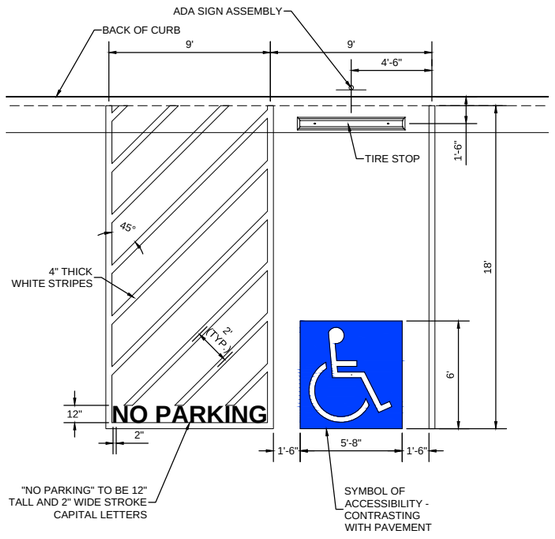
STANDARD DETAILS - WASTERWATER

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

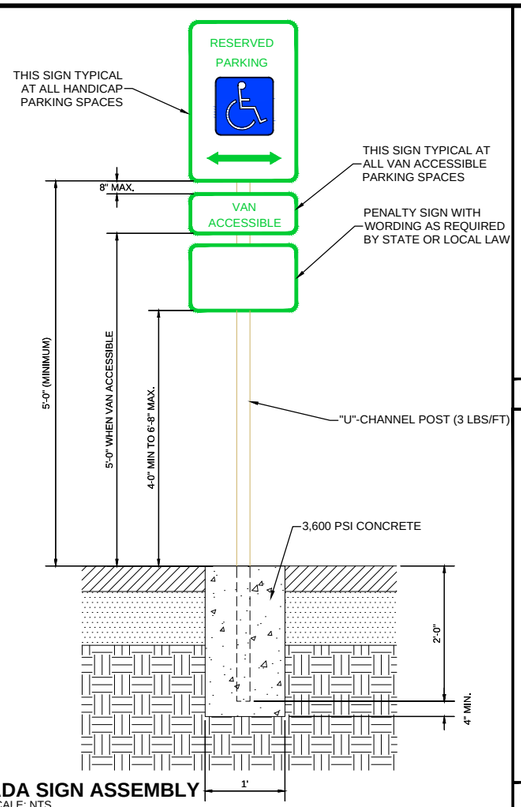
C23.04

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheet\SD\250303 STANDARD DETAILS SHEETS.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC



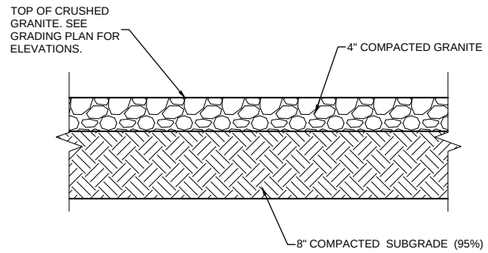
01 ADA PARKING
SCALE: 1/4" = 1'-0"



02 ADA SIGN ASSEMBLY
SCALE: NTS

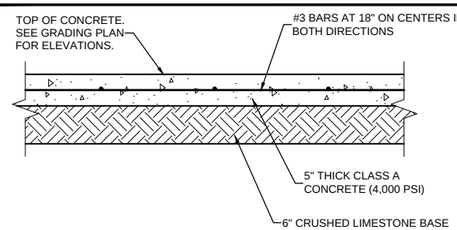
COLORS:
- LEGEND AND BORDER - GREEN
- WHITE SYMBOL ON BLUE BACKGROUND
- BACKGROUND - WHITE

03 ADA SIGN AND SYMBOL
SCALE: 3" = 1'-0"



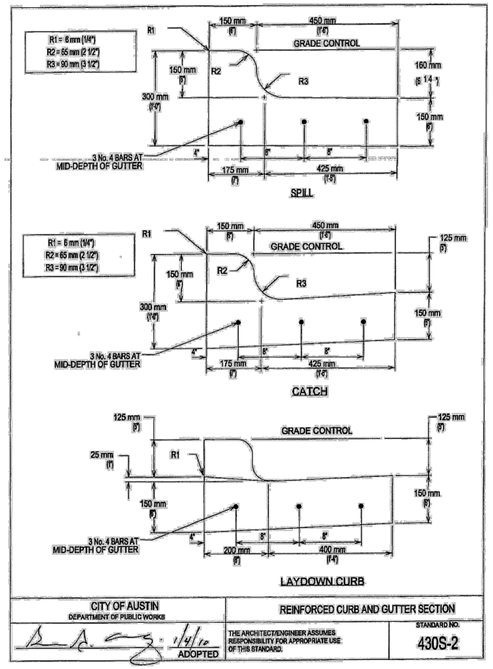
NOTES:
1. COMPACTED GRANITE IS SUITABLE FOR CONVEYING LOADS OF 75,000 LBS.

04 CRUSHED GRANITE SECTION
SCALE: 1" = 1'-0"



NOTES:
1. MAXIMUM CONTROL JOINT SPACING SHALL BE 12.5 FEET. IF SAWCUT, CONTROL JOINTS SHOULD BE CUT WITHIN 6-12 HOURS OF CONCRETE PLACEMENT.
2. MAXIMUM EXPANSION JOINT SPACING SHALL BE 90 FEET.
3. DOWELS AT EXPANSION JOINTS SHALL BE 3/4" BARS, 18" IN LENGTH, WITH ONE END TREATED TO SLIP, SPACED 12" ON CENTER AT EACH JOINT.

05 CONCRETE SECTION
SCALE: 1" = 1'-0"



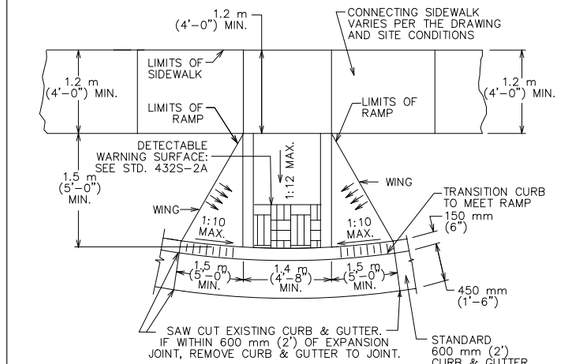
CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS

REINFORCED CURB AND GUTTER SECTION

1/4/16 ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 430S-2



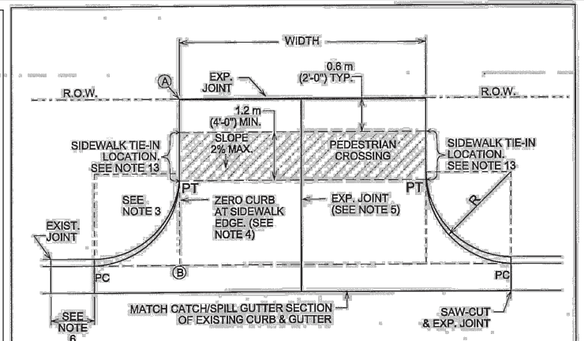
CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS

TYPE 1 SIDEWALK CURB RAMP

RECORD COPY SIGNED BY BILL GARDNER 9/14/05 ADOPTED

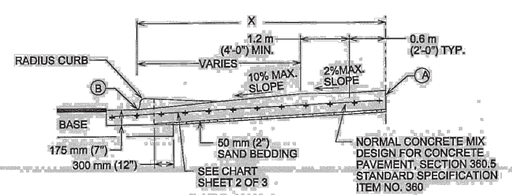
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 432S-5



PLAN

NOTE: ALL DRIVEWAYS SHALL BE SLOPED TOWARDS THE STREET FROM THE R.O.W. LINE. ELEVATION OF POINT (A) ABOVE POINT (B) IS, TYPICALLY A MINIMUM OF 150 mm (6") PLUS 20 mm/m (¼" RISE/FOOT) OVER DISTANCE "X" IN METERS (FEET).



CROSS SECTION

CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS

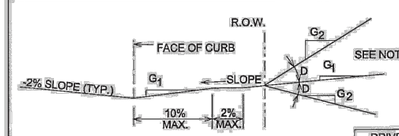
TYPE II DRIVEWAY

2/24/16 ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 433S-2 1 OF 2

USE	THICKNESS	REINFORCEMENT
DRIVEWAYS FOR PASSENGER VEHICLE PARKING LOTS	150 mm (6") MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF 13M (#4) BARS PLACED ON CHAIRS AT MIDDEPTH OF SLAB AT NO MORE THAN 450 mm (18") O.C. BOTH DIRECTIONS
ALL OTHERS	175 mm (7") MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF 13M (#4) BARS PLACED ON CHAIRS AT MIDDEPTH OF SLAB AT NO MORE THAN 450 mm (18") O.C. BOTH DIRECTIONS



ALLOWABLE GRADES

DRIVEWAY VOLUME (ADT)	D=GRADE CHANGE STD.	MAX
>1500	0%	3%
500-1500	3%	6%
< 500	6%	15%

NOTES:
1. ALL TYPE II DRIVEWAYS SHALL HAVE RADIUS ENDS.
2. DRIVEWAY WIDTHS AND RADII DIMENSIONS, ONE/TWO WAY TRAVEL REQUIREMENTS, AND GEOMETRIC LAY-OUT ARE HIGHLY VARIABLE, SUBJECT TO SITE SPECIFIC CONDITIONS AND REQUIREMENTS. SEE TRANSPORTATION CRITERIA MANUAL, SECTION 5 "DRIVEWAYS".
3. THE DRIVEWAY EDGE SHALL BE SMOOTHLY TRANSITIONED INTO THE SIDEWALK TIE-IN LOCATION BEGINNING AT THE RADIUS PC LINE.
4. "ZERO" CURB AT PT OR SIDEWALK EDGE, WHICHEVER IS ENCOUNTERED FIRST.
5. PLACE AN EXPANSION JOINT DOWN THE CENTER OF DRIVEWAY ALL DRIVEWAYS.
6. IF DIMENSION IS LESS THAN 1.5 METERS (5 FEET), REMOVE CURB AND GUTTER TO EXISTING JOINT AND POUR MONOLITHICALLY WITH DRIVEWAY.
7. IF THE BASE IS OVER-EXCAVATED WHERE THE CURB AND GUTTER WERE REMOVED, BACKFILL WITH CONCRETE MONOLITHICALLY WITH THE DRIVEWAY.
8. TYPE II DRIVEWAYS ARE TO BE LOCATED NO CLOSER TO THE CORNER OF INTERSECTING RIGHT OF WAY THAN 60% OF PARCEL FRONTAGE AT 30 METERS (100 FEET); WHICHEVER IS LESS.
9. DRIVEWAY SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION.
10. WHILE THE PROPERTY OWNER REMAINS RESPONSIBLE FOR GRADE BREAKS WITHIN PRIVATE PROPERTY, THE FIRE DEPARTMENT SHALL BE CONSULTED WHERE THE DRIVEWAY IS ESSENTIAL TO EMERGENCY VEHICLE ACCESS AND "G2" IS GREATER THAN 15%.
11. USE 12 MM (1/2") ASPHALT BOARD OR OTHER APPROVED MATERIAL FOR CURB AND GUTTER EXPANSION JOINTS. SIDEWALK, AT THE R.O.W. LINE AND AT MIDWIDTH, SEE NOTE 5.
12. SEE TRANSPORTATION CRITERIA MANUAL, SECTION 5 FOR OTHER DRIVEWAY REQUIREMENTS.
13. THE SIDEWALK, REGARDLESS OF ITS LOCATION WITH RESPECT TO THE CURB OR PROPERTY LINE, SHALL BE CONNECTED TO THE DRIVEWAY AT THESE LOCATIONS.
14. WATER METER BOXES AND WASTEWATER CLEAN OUTS ARE PROHIBITED FROM BEING LOCATED IN DRIVEWAY AREAS.

CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS

TYPE II DRIVEWAY

2/24/16 ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 433S-2 2 OF 2

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SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

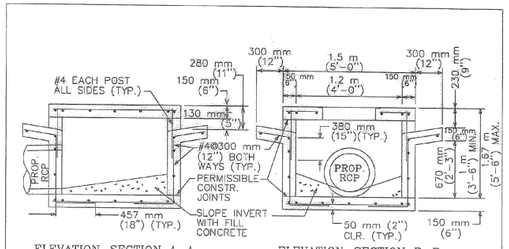
STANDARD DETAILS - PAVING

PROJECT NO. 250303
03/16/2026
DRAWN BY: JS
CHECKED BY: AR
APPROVED BY: JH

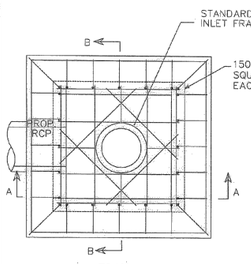
C23.05

Plotted by: Morgan, Plot date: 16/03/2026
File name: h:\02 projects\2025\250303 redemption city church\07 Sheets\SD\250303 STANDARD DETAILS SHEETS.dwg

COUNTY PROJECT NUMBER: 2025-1563-COC



ELEVATION–SECTION A–A ELEVATION–SECTION B–B



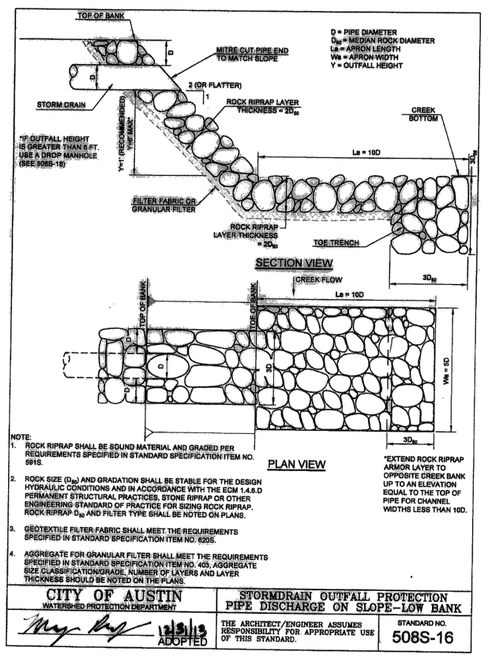
PLAN

NOTES:

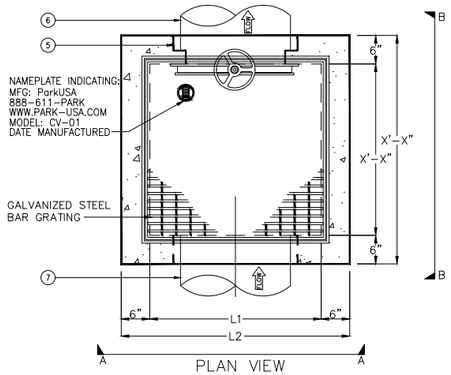
1. CHAMFER ALL EXPOSED EDGES 20 mm (3/4").
2. REINFORCING STEEL SHALL BE CUT OR FIELD–BENT AS REQUIRED TO CLEAR PIPE AND MANHOLE OPENING. ALL CUT STEEL SHALL BE REPLACED WITH ADDITIONAL DIAGONAL BARS OF THE SAME DIAMETER.
3. INLET FRAME AND COVER SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARD 503S–1.
4. CONCRETE COVERAGE OF STEEL SHALL BE 50 mm (2") MIN. AT ALL SURFACES.
5. ANY MODIFICATION TO THIS STANDARD SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER.

N.T.S.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	4–SIDED AREA INLET	
Keith C. Rhoades, P.E. 5/13/2010 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	STANDARD NO. 508S–9



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STORMDRAIN OUTFALL PROTECTION PIPE DISCHARGE ON SLOPE–LOW BANK	
ADOPTED 1/31/13	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 508S–16



PLAN VIEW

SPECIFICATIONS

CONCRETE :
Class I/II concrete with of design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth. Rated for H–20 Loading.

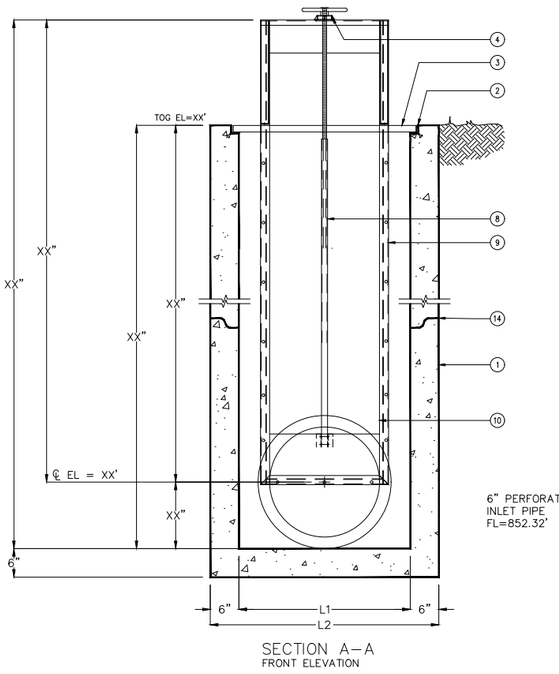
REINFORCEMENT :
Grade 60 reinforced, No. 4 steel rebar to conform to ASTM A615 on required centers or equal.

GRATING :
All steel fabrication shall be in accordance to AWA D1.1. Steel shall be ASTM A36 carbon steel, and hot–dipped galvanized after fabrication in accordance to ASTM A123. Grade shall be pedestrian rated.

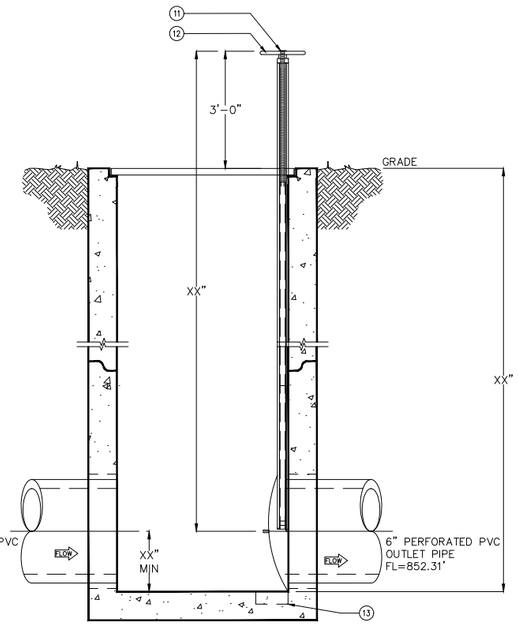
GATE VALVE :
Slide gate valve shall be cast iron w/ machined seats, galvanized steel frame w/ flange back for mounting on flat wall, carbon steel stem, acme type threads, bronze nut, and hand wheel operator.

ALL PIPING TO BE SEALED w/ NON–SHRINK GROUT (BY OTHERS)

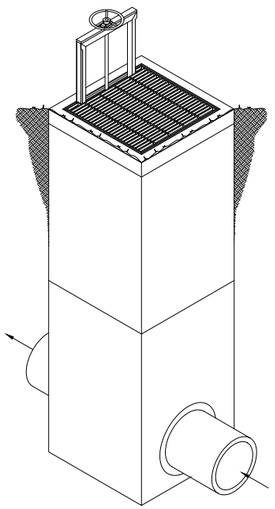
ALL PIPING BY OTHERS



SECTION A–A
FRONT ELEVATION



SECTION B–B
LEFT ELEVATION



ISOMETRIC

KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	PRECAST CONCRETE BASIN
2	1	GALVANIZED STEEL FRAME w/ EMBED ANCHORS
3	1	GALVANIZED STEEL BAR GRATING
4	1	ENCLOSED BEARING
5	1	XX" x XX" DIA BLOCKOUT
6	1	XX" DRAINAGE PIPE
7	1	XX" INLET PIPE
8	1	ACME THREADED ROD
9	1	GALVANIZED STEEL FRAME
10	1	HEAVY DUTY SLIDE GATE VALVE
11	1	RISING STEM
12	1	HANDWHEEL
13	1	RECESS BLOCKOUT FOR VALVE
14	1	SECIONAL JOINT SEALED w/ RAM–NEK

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A Northwest Pipe Company

CONTAINMENT VALVE
ASSEMBLY MODEL CV

PM	PC	DRN	ENG	DWG. NO.	REV.
DATE				CV–01	A

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SITE DEVELOPMENT PLANS TO SERVE
REDEMPTION CITY CHURCH
7601 PEARSON RANCH RD
AUSTIN, TX 78717

STANDARD DETAILS - STORM

STATE OF TEXAS
JENNIFER L HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C23.07

COUNTY PROJECT NUMBER: 2025–1563–COC

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Plotted by: Morgan, Plot date: 16/03/2026
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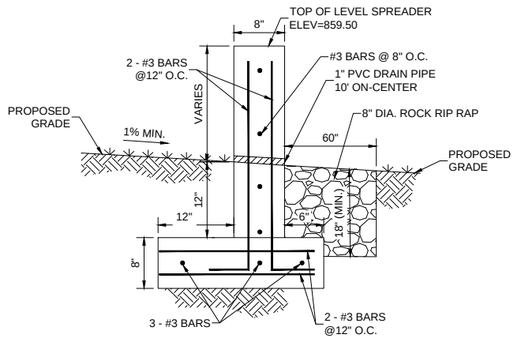


PROPOSED CONCRETE LEVEL SPREADER

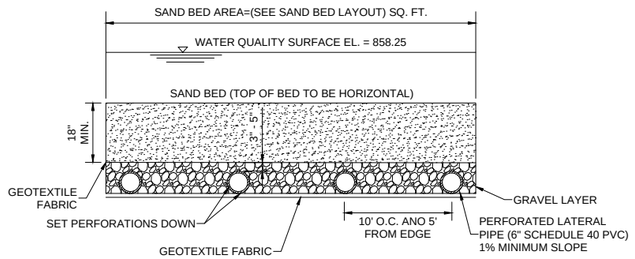
SCALE: N.T.S.

TABLE 1-9
DRAINAGE MATTING SPECIFICATIONS

PROPERTY	TEST METHOD	UNIT	SPECIFICATION
MATERIAL	NONWOVEN GEOTEXTILE FABRIC		
UNIT WEIGHT		OZ/SQ. YD.	20
FLOW RATE (FABRIC)		GPM/FT2	180 (MIN.)
PERMEABILITY	ASTM D-2434	CM/SEC	12.4x10-2
GRAB STRENGTH (FABRIC)	ASTM D-1682	LB.	DRY LG. 90 DRY WD: 70 WET LG. 95 WET WD: 70
PUNCTURE STRENGTH	COE-CW-02215	LB.	42 (MIN.)
MULLEN BURST STRENGTH	ASTM D-1117	PSI	140 (MIN.)
EQUIV. OPENING SIZE	US STANDARD SIEVE	NO.	100 (70-120)
FLOW RATE (DRAINAGE CORE)	DREXEL UNIV. TEST METHOD	GPM/FT. WIDTH	14
SOURCE: CITY OF AUSTIN			

TABLE 3-6
CLAY LINER SPECIFICATIONS (COA, 2024)

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



SAND BED PROFILE (WITH GRAVEL FILTER)

SCALE: N.T.S.

FOR FILTRATION PONDS

THE GEOTEXTILE FABRIC (FOR PROTECTION OF GEOMEMBRANE) SHELL MEET THE FOLLOWING SPECIFICATIONS:

SAND BED AND GEOTEXTILE FABRIC

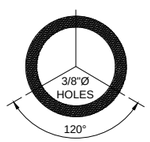
FIRST (TOP) LAYER- FINE SAND (ASTM C-33), 0.02-0.04 INCH, A MINIMUM OF EIGHTEEN (18) INCHES.

SECOND LAYER- ONE-HALF (0.5) TO ONE AND ONE-HALF (1.5) INCH DIAMETER WASHED, ROUNDED, RIVER GRAVEL. THREE (3) TO FIVE (5) INCHES OF GRAVEL IS REQUIRED UNDER THE LATERAL PIPES.

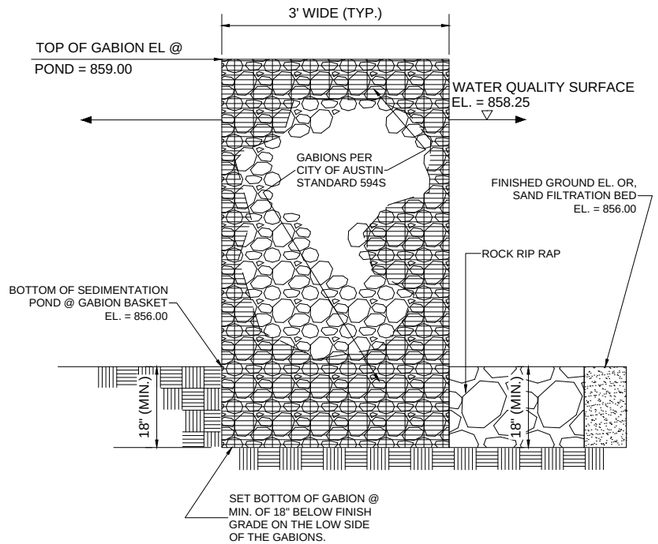
THE TWO LAYERS MUST BE SEPARATED FROM EACH OTHER USING SUITABLE GEOTEXTILE FABRIC MEETING THE FOLLOWING SPECIFICATIONS:

TABLE 1-7

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

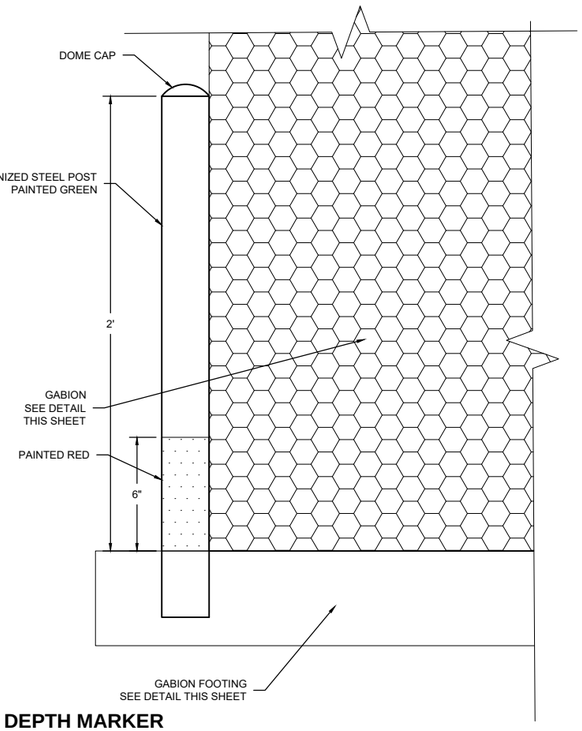


PERFORATION LAYOUT



GABION BASKET WALL

SCALE: N.T.S.



01 **SEDIMENT DEPTH MARKER**

SCALE: 3" = 1'-0"

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SITE DEVELOPMENT PLANS TO SERVE

REDEMPTION CITY CHURCH
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WATER QUALITY BASIN DETAIL

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C24.00

COUNTY PROJECT NUMBER: 2025-1563-COC

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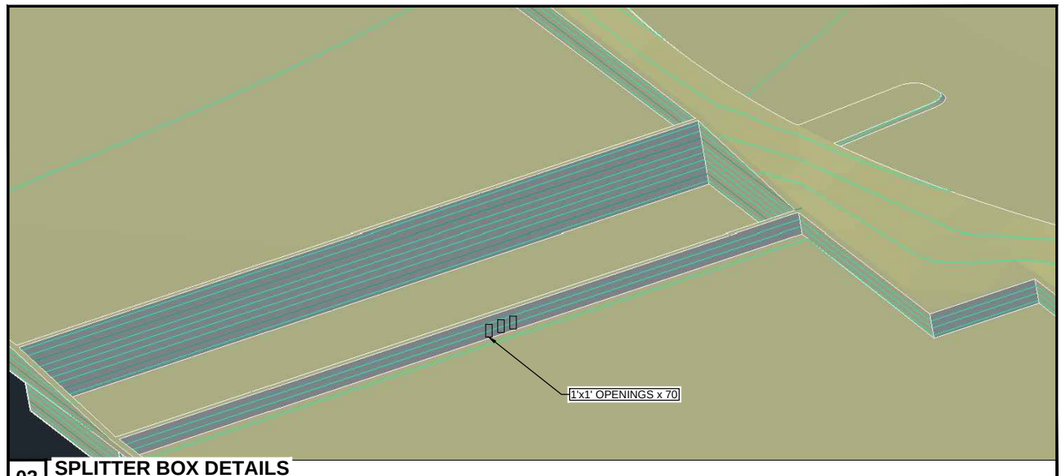
01 SPLITTER BOX DETAILS
SCALE: NTS

02 SPLITTER BOX DETAILS
SCALE: NTS



03 SPLITTER BOX DETAILS
SCALE: NTS

04 SPLITTER BOX DETAILS
SCALE: NTS

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SITE DEVELOPMENT PLANS
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SPLITTER BOX DETAIL

STATE OF TEXAS
JENNIFER L HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C25.00

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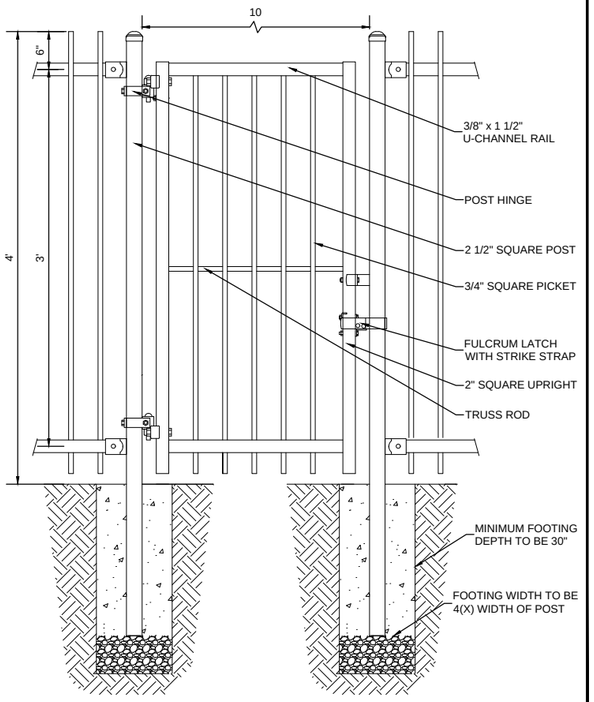

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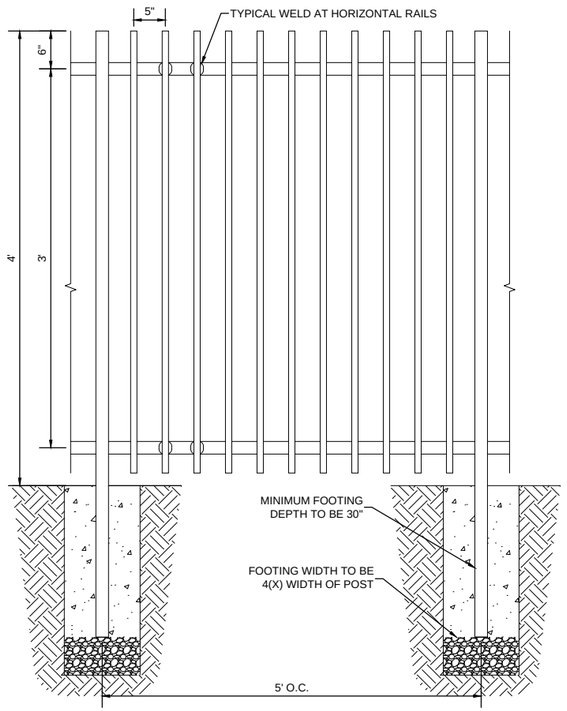
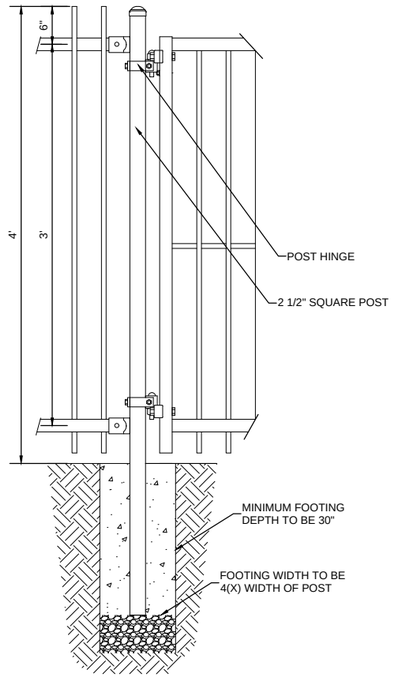
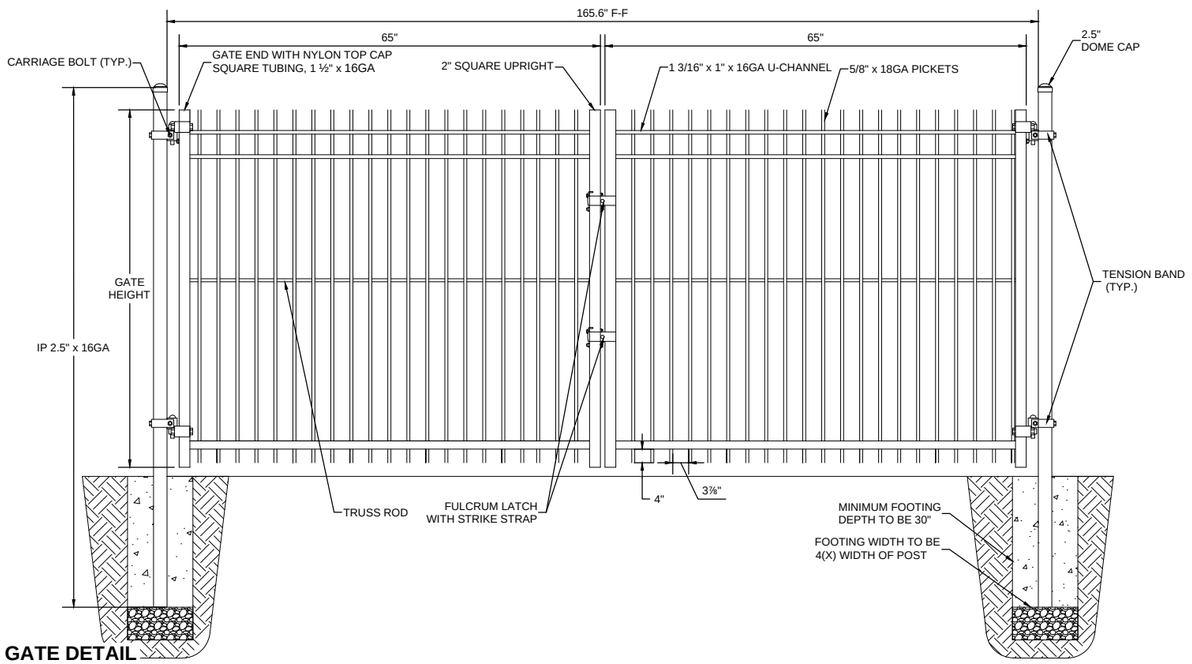


02 FENCE DETAIL
SCALE: 1" = 1'-0"



03 FENCE DETAIL
SCALE: 1" = 1'-0"



04 ACCESS GATE DETAIL
SCALE: 1" = 1'-0"

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SITE DEVELOPMENT PLANS
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WROUGHT IRON FENCE DETAILS

STATE OF TEXAS
JENNIFER L. HENDERSON
116883
LICENSED
PROFESSIONAL ENGINEER
03/16/2026

PROJECT NO. 250303	03/16/2026	DRAWN BY: JS	CHECKED BY: AR	APPROVED BY: JH

C26.00

COUNTY PROJECT NUMBER: 2025-1563-COC

Plotted by: Morgan. Plot date: 16/03/2026
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Attachment G - Inspection, Maintenance, Repair and Retrofit Plan.

HPE
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STORMWATER MAINTENANCE PLAN

It is the responsibility of the property owner's association to maintain detention ponds and water quality basins on nonresidential property, unless otherwise approved by the City. If regular maintenance and inspections are not undertaken, the detention pond and water quality basins will not achieve its intended purposes and can create nuisance conditions for nearby residents. This page provides guidance on maintenance and inspection activities that are typically required for detention ponds and water quality basins, along with a suggested frequency for each activity.

Inspection Activities	Suggested Schedule
After several storm events or an extreme storm event, inspect for: bank stability; signs of erosion; and damage to, or clogging of, the outlet structures and pilot channels.	As Needed
Note excessive erosion of pond banks or bottom; trash and debris; clogging of the outlet structures and any pilot channels; sediment accumulation in the pond and inlet/outlet structures; tree growth on pond walls; the presence of burrowing animals; standing water where there should be none; vigor and density of the grass turf on the pond side slopes and floor; differential settlement; cracking; leakage; and slope stability.	Semi-annually
Inspect that the outlet structures, pipes, level spreaders, and downstream and pilot channels are free of debris and are operational.	Annually
Note signs of pollution, such as oil sheens, discolored water, or unpleasant odors.	Annually
Check for sediment accumulation in the facility.	Annually
Inspect sand filter and ensure that all exposed areas are stabilized and repair any damage to the structural elements of the system.	Semi-annually or As Needed

Maintenance Activities	Suggested Schedule
Mowing the facility. Mulch the grass or catch and remove the grass clippings.	Monthly or As Needed
Debris and litter removal.	Monthly or As Needed
Seed or sod to restore dead or damaged ground cover.	Annual or As Needed
Repair and revegetate eroded or undercut areas. Repair any damage to the structural elements of the pond.	As Needed
Remove vegetation that may hinder the operation of the pond.	As Needed
Monitor sediment accumulations and remove sediment when the pond volume has been reduced by 20%.	10-years or As Needed
Clean underdrain piping network to remove any sediment buildup as needed to maintain design drawdown time.	As Needed
Remove sediment and debris build up from the inlet and outlet of the sedimentation chamber.	Annual or As Needed
Remove sediment build up from the sedimentation chamber.	5-years or As Needed
Remove and replace the upper layer of sand filter.	As Needed

Additional Maintenance Notes:

Besides the detention pond, water quality basins, outlet structures, pipes, level spreader, and channels that are mentioned in the suggested maintenance plan, any other components of stormwater management should also be checked periodically and kept in full working order. Furthermore, ensure that any potential sources of debris on the property does not contribute to the deterioration of the stormwater management structures. Failure to do so could not only cause maintenance issues to the aforementioned stormwater management structures, but negatively impact the ability of the property as a whole to handle storm events.

Recommended Frequency of Service:

Potential sources of debris on the property include, but are not limited to, the townhome building, garage, and workshop. Other components of stormwater management include, but are not limited to, roof gutters and roof leaders. Ultimately, the frequency of inspection and service cleaning of these sources and components depends on the amount of runoff, pollutant loading, and interference from debris (leaves, vegetation, trash, etc.). It is recommended that they are to be inspected and cleaned at least four times a year (especially during the fall, when leaves have fallen from the trees), both to maintain the function of those components and appearances of the property.

Suggested Service Procedures:

Roof gutters: The roof gutters of the house shall be inspected and cleared of any leaves, twigs, debris, etc. This shall be done at in the early spring, and late fall after all of the leaves have fallen from trees.

Roof Leaders: The maintenance of the roof leaders shall be in accordance with the aforementioned suggested schedule and shall include the inspection of the leaders via the cleanouts and removal of any debris, obstruction and sediment.

Reporting:

A maintenance log shall be kept of each inspection outlining the items inspected and the maintenance performed. These logs should be kept on file by the Owner and must be shared with the City upon request.

HPE
Civil Engineering

DRY POND INSPECTION AND MAINTENANCE CHECKLIST

Facility: Redemption City Church Detention Pond			
Location/Address: 7601 Pearson Ranch Rd Austin, TX 78717			
Date:	**Time**:	**Weather Conditions**:	**Date of Last Inspection**:
Inspector:		**Title**:	
Rain in Last 48 Hours: ☐ **Yes** ☐ **No**		**If yes, list amount and timing**:	
Pretreatment: ☐ **vegetated filter strip** ☐ **swale** ☐ **forebay** ☐ **other, specify:**			
Site Plan or As-Built Plan Available: ☐ **Yes** ☐ **No**			

Inspection Item		Comment	Action Needed
1. PRETREATMENT			
Sediment has accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Trash and debris have accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
2. DEWATERING			
The water quality orifice is visible.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
3. INLETS			
Inlets are in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment has accumulated and/or is blocking the inlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is occurring around the inlets.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
4. EMBANKMENT			
Sinkholes or cracks are visible in the embankment.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Trees or woody vegetation present on the dam or embankment.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
5. POND AREA			
Trash and debris have accumulated.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Invasive plants are present.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is evident on the pond floor or low flow channel.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
The micro-pool has sediment accumulation.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sinkholes or animal borrows are present.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
6. SIDE WALLS AND EMBANKMENT			
Erosion is evident.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sinkholes, animal borrows, or instability are present.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
7. OUTLETS AND OVERFLOW STRUCTURE			
Outlets or overflow structures in poor structural condition.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Sediment, trash or debris is blocking the outlets or overflow structure.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Erosion is occurring around the outlets or overflow structure.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**
Joints are not watertight and/or leaks are visible.	☐**Yes** ☐**No** ☐**N/A**		☐**Yes** ☐**No**

STORMTRAP MAINTENANCE MANUAL

1. Introduction

Regular inspections are recommended to ensure that the system is functioning as designed. Please call your Authorized StormTrap Representative if you have questions in regards to the inspection and maintenance of the StormTrap system. Prior to entry into any underground storm sewer or underground detention systems, appropriate OSHA and local safety regulations and guidelines should be followed.

2. Inspection Schedules for Municipalities

StormTrap Stormwater Management Systems are recommended for inspection whenever the upstream and downstream catch basins and stormwater pipes of the stormwater collection system are inspected or maintained. This will economize the cost of the inspection if it is done at the same time the Municipal crews are visiting the area.

3. Inspection Schedules for Private Development

StormTrap Stormwater Mangement Systems, for a private development, are recommended for inspection after each major storm water event. At a minimum, until a cleaning schedule can be established, an annual inspection is recommended. If inspected on an annual basis, the inspection should be conducted before the stormwater season begins to be sure that everything is functioning properly for the upcoming storm season.

4. Inspection Process

Inspections should be done such that at least 2-3 days has lapsed since the most recent rain event to allow for draining. Visually inspect the system at all manhole locations. Utilizing a sediment pole, measure and document the amount of silt at each manhole location (Figure 1). Inspect each pipe opening to ensure that the silt level or any foreign objects are not blocking the pipes. Be sure to inspect the outlet pipe(s) because this is typically the smallest

pipe in the system. It is common that most of the larger materials will be collected upstream of the system in catch basins, and it is therefore important at time of inspections to check these structures for large trash or blockages.

Remove any blockages if you can during the inspection process only if you can do so safely from the top of the system without entering into the system**. Do not go into the system under any circumstances** without proper ventilation equipment and training. Pass any information requiring action onto the appropriate maintenance personnel if you cannot remove the blockages from above during the inspection process. Be sure to describe the location of each manhole and the type of material that needs to be removed.

The sediment level of the system should also be measured and recorded during the inspection process. Recording the sediment level at each manhole is very important in order get a history of sediment that can be graphed over time (i.e. years) in order to estimate when the system will need to be maintained next. It is also important to keep these records to verify that the inspection process was actually performed if anyone asks for your records in the future.

The sediment level in the underground detention system can be determined from the outside of the system by opening up all the manholes and using a sediment pole to measure the amount of sediment at each location. Force the stick to the bottom of the system and then remove it and measure the amount of sediment at that location. Again, do not go into the system under any circumstances without proper ventilation equipment and training.

5. When to Clean the System

Any blockages should be safely removed as soon as practical so that the Stormwater detention system will fill and drain properly before the next stormwater event.

The Dry Detention System should be completely cleaned whenever the sediment occupies more than 10% to 15% of the originally designed system's volume. The Wet Detention System should be cleaned when the sediment occupies more than 30% or 1/3rd of the originally designed system's volume. NOTE: Check with your municipality in regards to

cleaning criteria, as the allowable sediment before cleaning may be more or less then described above.

6. How to Clean the StormTrap

The system should be completely cleaned back to 100% of the originally designed storage volume whenever the above sediment levels have been reached. Be sure to wait at least 3 days after a stormwater event to be sure that the system is completely drained (if it is a Dry Detention System), and all of the sediments have settled to the bottom of the system (if it is a Wet Detention System).

Do not enter the System unless you are properly trained, equipped, and qualified to enter a confined space as identified by local occupational safety and health regulations.

There are many maintenance companies that are in business to help you clean your underground stormwater detention systems and water quality units. Please call your StormTrap representative for referrals in your area.

A. Dry Detention System Cleaning

Maintenance is typically performed using a vacuum truck. Sediment should be flushed towards a vacuum hose for thorough removal. For a Dry Detention System, remove the manhole cover at the top of the system and lower a vacuum hose into one of the rows of the StormTrap system. Open up the manhole at the opposite end of the StormTrap and use sewer jetting equipment to force water in the same row from one end of the StormTrap row to the opposite side. The rows of the StormTrap are completely open in one contiguous channel from one end to the other for easy cleaning.

Place the vacuum hose and the sewer jetting equipment in the next row and repeat the process until all of the rows have been cleaned.

When finished, replace all covers that were removed and dispose of the collected material properly.

B. Wet Detention System Cleaning

If the system was designed to maintain a permanent pool of water, floatables and any oil should be removed in a separate procedure prior to the removal of all sediment.

The floatable trash is removed first by using a bucket strainer to capture and remove any floating debris.

The floatable oils are then removed off the top of the water by using the vacuum truck to suck off any floatable fluids and liquids.

The next step is to use the vacuum truck to gently remove the clarified water above the sediment layer.

The final step is to clean the sediment for each row as described above in the paragraph "A. Dry Detention System Cleaning". For smaller systems, the vacuum truck can remove all of the sediment in the basin without using the sewer jetting equipment because of the smaller space.

7. Inspection Reports

Proof of these inspections is the responsibility of the property owner. All inspection reports and data should be kept on site or at a location where they will be accessible for years in the future. Some municipalities require these inspection and cleaning reports to be forwarded to the proper governmental permitting agency on an annual basis.

Refer to your local and national regulations for any additional maintenance requirements and schedules not contained herein. Inspections should be a part of your standard operating procedure.

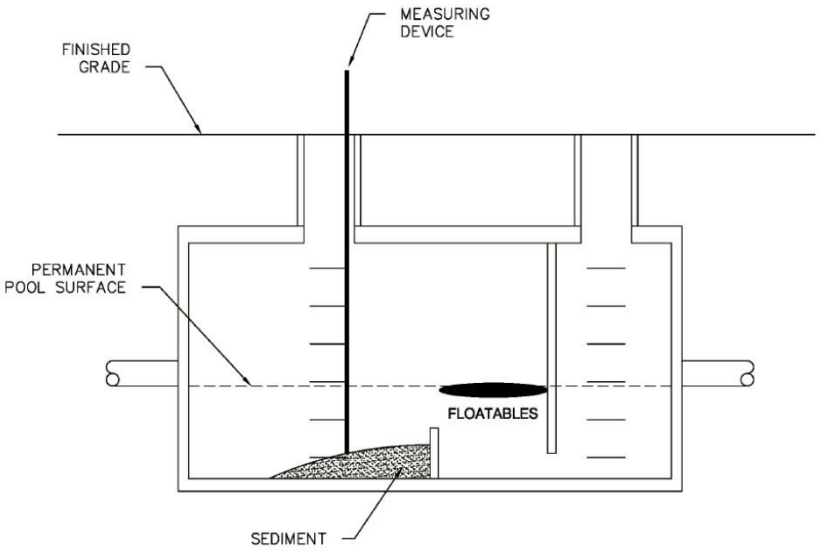

Figure 1. During inspection, measure the distance from finished grade to the top of the sediment inside the system.

Sample inspection and maintenance log

Date	Depth of Sediment	Accumulated Trash	Maintenance Performed	Maintenance Personnel	Comments
2/5/2012	3”	None	Sediment Removal/Vac	B. Johnson	

PHONE 815 941 4549
FAX 331 318 5347
WEB www.stormtrap.com
EMAIL info@stormtrap.com
1287 Windham Parkway
Romeoville, Illinois 60446

HPE
Civil Engineering

Plan Prepared: October 1, 2025

Pastor Bill Muench
Redemption City Church
3412 Pine Needle Circle
Round Rock, Texas 78681
bmuench@redemptioncity.church

Reference: AW0552 AW0552 - Shelton, J. Sur., ACRES 12.526
Stormwater Maintenance Plan

This signature form is in reference to the pages preceding which include:

- Stormwater Maintenance Plan:
  - Additional maintenance notes
  - Frequency of service
  - Service procedures
  - Reporting
- Dry Pond Inspection & Maintenance Plan

I, Bill Muench, acknowledge the fore-mentioned plans and will adhere to them in accordance with the requirements as provided by the State of Texas.

Owner / Owner Representative

Date 10/31/25

State of Texas
County of Williamson

I, the undersigned Notary Public, do hereby certify that the foregoing instrument was acknowledged before me this 31 day of October 2025 and the document was executed by the above named Bill Muench of his/her own free will.

ANGELICA LOPEZ
Notary Public, State of Texas
Comm. Expires 03-15-2029
Notary ID 12222294

Witness my hand and seal this 31 day of October, 2025.

Notary Public for Texas

Commission Expires: 3-15-2029

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

I Bill Muench,
Print Name

Pastor,
Title - Owner/President/Other

of Redemption City Church,
Corporation/Partnership/Entity Name

have authorized Jen Henderson, P.E.
Print Name of Agent/Engineer

of Henderson Professional Engineers
Print Name of Firm

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

I also understand that:

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

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

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

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

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

SIGNATURE PAGE:

Applicant's Signature

2/25/2025
Date

THE STATE OF Texas §

County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Bill Muench 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 26 day of November 2025

Angelica Lopez
NOTARY PUBLIC

Angelica Lopez
Typed or Printed Name of Notary

ANGELICA LOPEZ
Notary Public, State of Texas
Comm. Expires 03-15-2029
Notary ID 12222294

MY COMMISSION EXPIRES: 3-15-2029

Owner Authorization Form

Edwards Aquifer Protection Program

Instructions

Complete the following form by adding the requested information in the fields below. The form must be notarized for it to be considered complete. Attach it to other programmatic submittals required by 30 Texas Administrative Code (30 TAC), Chapter 213, and provide it to TCEQ's Edwards Aquifer Protection Program (EAPP) as part of your application.

If you have questions on how to fill out this form or about EAPP, please contact us by phone at 512-339-2929 or by e-mail at eapp@tceq.texas.gov.

Landowner Authorization

I, Bill Muench of Redemption City Church am the owner of the property located at:

AW0552 AW0552 - Shelton, J. Sur., ACRES 12.526; WCAD R504074 and am duly authorized in accordance with 30 TAC 213.4(c)(2) and 213.4(d)(1), or 30 TAC 213.23(c)(2) and 213.23(d), relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize Jen Henderson of Henderson Professional Engineers to conduct engineering services at AW0552 AW0552 - Shelton, J. Sur., ACRES 12.526; WCAD R504074.

Landowner Acknowledgement

I understand that Bill Muench of Redemption City Church is ultimately responsible for the compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation even if the responsibility for compliance and the right to possess and control the property referenced in the application has been contractually assumed by another legal entity. I further understand that any failure to comply with any condition of the executive director's approval is a violation and subject to administrative rule or orders and penalties as provided under 30 TAC 213.10, relating to enforcement. Such violations may also be subject to civil penalties.

Landowner Signature

Landowner Signature

Date

THE STATE OF Texas §
County of Williamson §

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

GIVEN under my hand and seal of office on this 31 day of October 2025

NOTARY PUBLIC

ANGELICA LOPEZ
Notary Public, State of Texas
Comm. Expires 03-15-2029
Notary ID 12222294

Printed Name: Angelica Lopez
MY COMMISSION EXPIRES: 3-15-29

Optional Attachments

Select All that apply:

☐ Lease Agreement

☐ Signed Contract

☐ Deed Restricted Easement

☐ Other legally binding documents

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Redemption City Church
Regulated Entity Location: AW0552 AW0552 - Shelton, J. Sur., ACRES 12.526
Name of Customer: Redemption City Church
Contact Person: Pastor Bill Muench Phone: 512.560.3580
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
☐ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☒ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	*Size*	*Fee Due*
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	12.64 Acres	$ 6,500
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Signature: _____ Date: 10/31/25

Application Fee Schedule

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

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)

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

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

Redemption City Church

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0801231946	32041250724		

11. Type of Customer: ☐ Corporation ☒ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☒ **Yes** ☐ **No**

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

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

15. Mailing Address:	3412 Pine Needle Circle						
	City	Round Rock	**State**	TX	**ZIP**	78681	**ZIP + 4**

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512) 560-3580		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

Redemption City Church

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	Pearson Ranch Rd							
	City	Austin	**State**	TX	**ZIP**	78717	**ZIP + 4**	
24. County	Williamson							

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

25. Description to Physical Location:	7601 Pearson Ranch Rd Austin, TX 78717 SW0552 AW0552 - Shelton, J. Sur., ACRES 12.526; WCAD R504074, R555375				
26. Nearest City			**State**	**Nearest ZIP Code**	
Austin			TX	78717	

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:	30.485313016431718		**28. Longitude (W) In Decimal:**	-97.74519770074129	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
8661		813110	

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

Place of Worship

34. Mailing Address:	**3412 Pine Needle Circle**							
	City	**Round Rock**	**State**	**TX**	**ZIP**	**78681**	**ZIP + 4**	
35. E-Mail Address:	**bmuench@redemptioncity.church**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(512) 560-3580		( ) -

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

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

SECTION IV: Preparer Information

40. Name:	Jen Henderson	**41. Title:**	P.E.

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(737) 203-8953		( ) -	hpe@hendersonpe.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:	Redemption City Church	**Job Title:**	Pastor	
Name *(In Print):*	Bill Muench		**Phone:**	(512) 560- **3580**
Signature:			**Date:**	10/31/25