

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: Church of Jesus Christ of Latter-Day Saints					2. Regulated Entity No.: not yet assigned				
3. Customer Name: NWL Architects					4. Customer No.: not yet assigned				
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	WPAP	<input checked="" type="radio"/> CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	<input checked="" type="radio"/> Non-residential			8. Site (acres):		10.58 Acres		
9. Application Fee:	\$6,500		10. Permanent BMP(s):			Batch Detention			
11. SCS (Linear Ft.):	n/a		12. AST/UST (No. Tanks):			n/a			
13. County:	Williamson		14. Watershed:			South Brushy 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.)	—	—	_x_
Region (1 req.)	—	—	_x_
County(ies)	—	—	_x_
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity <input type="checkbox"/> Plum Creek	<input type="checkbox"/> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<input type="checkbox"/> Austin <input type="checkbox"/> Buda <input type="checkbox"/> Dripping Springs <input type="checkbox"/> Kyle <input type="checkbox"/> Mountain City <input type="checkbox"/> San Marcos <input type="checkbox"/> Wimberley <input type="checkbox"/> Woodcreek	<input type="checkbox"/> Austin <input type="checkbox"/> Bee Cave <input type="checkbox"/> Pflugerville <input type="checkbox"/> Rollingwood <input type="checkbox"/> Round Rock <input type="checkbox"/> Sunset Valley <input type="checkbox"/> West Lake Hills	<input type="checkbox"/> Austin <input checked="" type="checkbox"/> Cedar Park <input type="checkbox"/> Florence <input type="checkbox"/> Georgetown <input type="checkbox"/> Jerrell <input type="checkbox"/> Leander <input type="checkbox"/> Liberty Hill <input type="checkbox"/> Pflugerville <input type="checkbox"/> Round Rock

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

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

Clayton Strolle, P.E.

Print Name of Customer/Authorized Agent

02/19/2024

Signature of Customer/Authorized Agent

Date

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

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

Contributing Zone Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), Effective June 1, 1999

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

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

Signature

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

Print Name of Customer/Agent: Clayton Strolle, P.E.

Date: 12/8/2023

Signature of Customer/Agent:



Regulated Entity Name: Church of Jesus Christ of Latter-day Saints, a Utah corporation sole

Project Information

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

Contact Person: Michael Thompson

Entity: Church of Jesus Christ of Latter-day Saints, a Utah corporation sole

Mailing Address: 50 E North Temple Street

City, State: Salt Lake City, Utah

Zip: 84150

Telephone: 817-600-5558

Fax: _____

Email Address: thomsonmj@churchofjesuschrist.org

5. Agent/Representative (If any):

Contact Person: Clayton Strolle, P.E.

Entity: Westwood Professional Services

Mailing Address: 8701 N. Mopac Expwy, Ste 320

City, State: Austin, Texas

Zip: 78759

Telephone: 512-485-0831

Fax: _____

Email Address: clayton.strolle@westwoodps.com

6. Project Location:

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

7. The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

The site is located parallel to Creek Vista Blvd and E Park Street.

8. **Attachment A - Road Map.** A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.
9. **Attachment B - USGS Quadrangle Map.** A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000") is attached. The map(s) clearly show:
- Project site boundaries.
 - USGS Quadrangle Name(s).
10. **Attachment C - Project Narrative.** A detailed narrative description of the proposed project is attached. The project description is consistent throughout the application and contains, at a minimum, the following details:
- Area of the site
 - Offsite areas
 - Impervious cover
 - Permanent BMP(s)
 - Proposed site use
 - Site history
 - Previous development
 - Area(s) to be demolished

11. Existing project site conditions are noted below:

- Existing commercial site
- Existing industrial site
- Existing residential site

- Existing paved and/or unpaved roads
- Undeveloped (Cleared)
- Undeveloped (Undisturbed/Not cleared)
- Other: _____

12. The type of project is:

- Residential: # of Lots: _____
- Residential: # of Living Unit Equivalents: _____
- Commercial
- Industrial
- Other: _____

13. Total project area (size of site): 10.58 Acres

Total disturbed area: 8.14 Acres

14. Estimated projected population: n/a

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

Table 1 - Impervious Cover

<i>Impervious Cover of Proposed Project</i>	<i>Sq. Ft.</i>	<i>Sq. Ft./Acre</i>	<i>Acres</i>
Structures/Rooftops	28,498	÷ 43,560 =	0.64
Parking	51,307	÷ 43,560 =	1.18
Other paved surfaces	26,462	÷ 43,560 =	0.61
Total Impervious Cover	106,267	÷ 43,560 =	2.44

Total Impervious Cover 2.44 ÷ Total Acreage 10.58 X 100 = 23.06% Impervious Cover

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

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

For Road Projects Only

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

N/A

18. Type of project:

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

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

- Concrete
- Asphaltic concrete pavement
- Other: _____

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

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

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

$L \times W = \text{_____ Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} = \text{_____ acres.}$

21. Pavement Area:

Length of pavement area: _____ feet.

Width of pavement area: _____ feet.

$L \times W = \text{_____ Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} = \text{_____ acres.}$

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

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

A rest stop will not be included in this project.

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

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

N/A

26. Wastewater will be disposed of by:

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

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

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

Sewage Collection System (Sewer Lines):

The sewage collection system will convey the wastewater to the Brushy Creek Regional West (name) Treatment Plant. The treatment facility is:

Existing.

Proposed.

N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

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

N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

<i>AST Number</i>	<i>Size (Gallons)</i>	<i>Substance to be Stored</i>	<i>Tank Material</i>
1			
2			
3			
4			
5			

Total x 1.5 = _____ Gallons

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

one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

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

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

Table 3 - Secondary Containment

<i>Length (L)(Ft.)</i>	<i>Width(W)(Ft.)</i>	<i>Height (H)(Ft.)</i>	<i>L x W x H = (Ft3)</i>	<i>Gallons</i>

Total: _____ Gallons

30. Piping:

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

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

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

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

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

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

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

Site Plan Requirements

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

34. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 120'.
35. 100-year floodplain boundaries:
- Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
- No part of the project site is located within the 100-year floodplain.
The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): 48491C0470F Effective(12/20/2019).
36. The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
- The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
37. A drainage plan showing all paths of drainage from the site to surface streams.
38. The drainage patterns and approximate slopes anticipated after major grading activities.
39. Areas of soil disturbance and areas which will not be disturbed.
40. Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
41. Locations where soil stabilization practices are expected to occur.
42. Surface waters (including wetlands).
 N/A
43. Locations where stormwater discharges to surface water.
 There will be no discharges to surface water.
44. Temporary aboveground storage tank facilities.
 Temporary aboveground storage tank facilities will not be located on this site.

45. Permanent aboveground storage tank facilities.
 Permanent aboveground storage tank facilities will not be located on this site.
46. Legal boundaries of the site are shown.

Permanent Best Management Practices (BMPs)

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

47. Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
 N/A
48. These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
 The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.
 A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: _____.
 N/A
49. Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.
 N/A
50. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
 The site will be used for low density single-family residential development and has 20% or less impervious cover.
 The site will be used for low density single-family residential development but has more than 20% impervious cover.
 The site will not be used for low density single-family residential development.

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

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

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

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

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

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

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

N/A

55. **Attachment M - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are

attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

N/A

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

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

N/A

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

N/A

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

N/A

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

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

or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

Administrative Information

61. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions.
62. Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.
63. The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.
 The Temporary Stormwater Section (TCEQ-0602) is included with the application.

Attachment A – Road Map



Attachment B – USGS/Edwards Contributing Zone Map

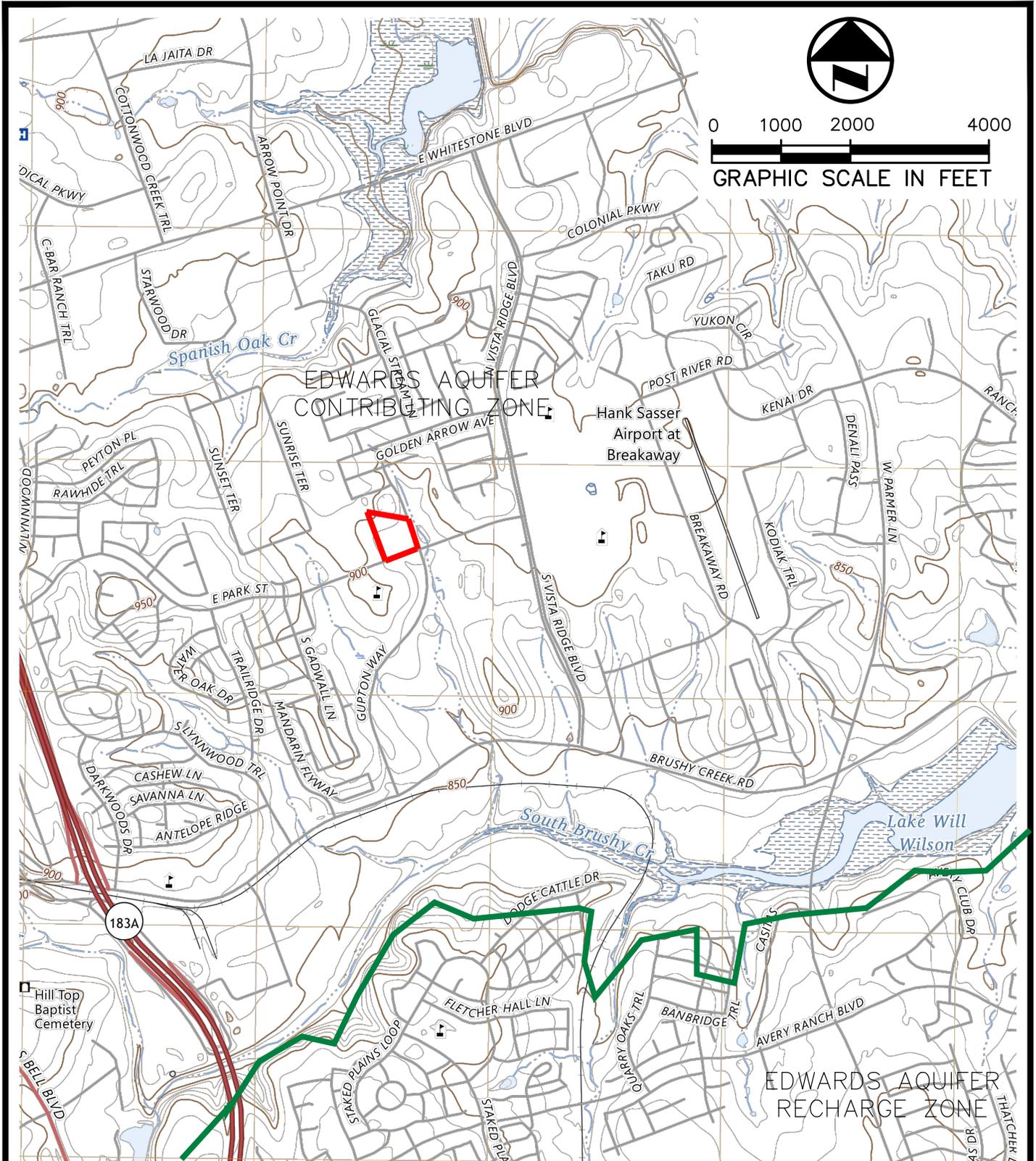
Attachment C – Project Description

The proposed development includes the construction of a temple and maintenance building with associated grading, drainage, utility, detention, parking, and water quality improvements on Lot 1, approximately 8.14 acres ($\pm 106,267$ sf) of mostly undeveloped land located at 1801 E Park St. in the City of Cedar Park jurisdiction. The existing site consists mostly of a developed church with parking and some undeveloped grass meadows and Class C and Class D soil classification. According to FEMA Map 48491C0470F (dated 12/20/2019), the subject site does not fall within the floodplain.

The Lot 1 site generally slopes at $\pm 2.2\%$ sending drainage to the East where it will drain into an updated detention pond. The adjacent property to the West is developed with an industrial building and the adjacent property to the North is a development neighborhood.

The project will consist of a temple and maintenance building, associated grading, drainage, utility, detention, parking, water quality, and a proposed batch detention pond as enclosed in this application. The total impervious cover on the site is 2.44 acres. All proposed impervious cover is to be treated with batch detention.

TSHLMIRE 12/5/2023 2:25 PM
 N:\0040824.00\10 SUBMITTALS\2023-12-04 2ND CITY SUBMITTAL\CZP\ARCHIVED\USGS MAP\QUAD MAP.DWG



ATTACHMENT 'B' USGS/EDWARDS AQUIFER ZONE MAP

7.5-MINUTE TOPO QUADRANGLE
 Custom Extent
 7.5-MINUTE TOPO

Westwood

Westwood Professional Services, Inc.

8701 N. MOPAC EXPWY. STE. 320
 AUSTIN, TX 78759 512.485.0831
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10008000

DRAWN BY	CHECKED BY	SCALE	DATE	JOB NUMBER
TDS	CJS	1"=2000'	12/05/2023	0040824.00

CHURCH OF JESUS CHRIST LATTER-DAY SAINTS

Attachment D – Factors Affecting Surface Water Quality

The following are potential sources of surface and groundwater contamination from construction activities:

- Clearing and grubbing
- Grading and site excavation
- Vehicle tracking
- Topsoil stripping and stockpiling
- Landscaping operations
- Staging and storage area
- Paving (including curb and gutter)
- Building Construction
- Concrete washout area

Attachment E – Volume and Character of Stormwater

The existing site is composed of 1 initial drainage area. The Existing Drainage area consists of 12.95 acres with the 100 year storm runoff for the drainage area is 111.4 cfs. The existing site flows over approximately 77.86% of grass cover at roughly 2.23%. The base curve number utilized for the existing site is 80.

The proposed development generates an approximate 82.8 cfs and has a required TSS removal of 85% per TCEQ. The runoff from the site is generated from the streets, building roofs, driveways, parking, and other paved and impervious surfaces. The base curve number utilized for the proposed site is 80. Flow is directed from the previously listed impervious structures into catch basins to be piped into the one proposed batch detention ponds.

Attachment J – BMPs for Upgradient Stormwater

There will be no upstream surface waters running onto the site and will not be treated with the proposed batch detention pond. The batch detention pond, and all associated ESC practices are designed for the subject site. The proposed batch detention pond will be used to receive onsite flows from stormwater coming from the proposed site.

Attachment K – BMPs for On-site Stormwater

The Church of Jesus Christ of Latter-Day Saints is proposing on primary batch detention basin based on 8.14 acres of contributing area, encompassing 23.06% impervious cover across the site. The stormwater is diverted off impervious structures and piped into one proposed batch detention basins. The batch detention basins act as the primary treatment for TSS removal.

Attachment L – BMPs for Surface Streams

The Church of Jesus Christ Latter-Day Saints is proposing one primary batch detention basin based on 8.14 acres of contributing area, encompassing 23.06% impervious cover across the site. The stormwater is diverted off impervious structures and piped into one proposed batch detention basins. The batch detention basins act as the primary treatment for TSS removal. The aforementioned BMP will provide adequate measure to prevent pollutant removal from entering the aquifer. No surface streams or sensitive features are located on the site.

Attachment M – Construction Plans

CONSTRUCTION PERMIT PLANS

FOR

CHURCH OF JESUS CHRIST LATTER-DAY SAINTS

4.0 ACRES

1801 E. PARK STREET, CEDAR PARK, TX 78613
CITY OF CEDAR PARK, WILLIAMSON COUNTY TEXAS
OCTOBER 2023

OWNER

JEFFREY HAWS, PLA
SENIOR PROJECT MANAGER, REAL ESTATE
THE CHURCH OF JESUS CHRIST OF
LATTER-DAY SAINTS
50 EAST NORTH TEMPLE STREET - 10TH
FLOOR
SALT LAKE CITY, UTAH 84150

ARCHITECT

NAYLOR WENTWORTH LUND ARCHITECTS
2021 MCKINNEY AVE, SUITE # 1050
DALLAS, TX 75201

ENGINEER

CLAYTON STROLLE, P.E.
8701 N. MOPAC EXPY, SUITE 320
AUSTIN TX 78759
512.485.0831
CLAYTON.STROLLE@WESTWOODPS.COM

LANDSCAPE ARCHITECT

CHRIS TATTON
8701 N. MOPAC EXPY, SUITE 320
AUSTIN TX 78759
512.485.0831
CHRIS.TATTON@WESTWOODPS.COM



Westwood

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BENCHMARK INFO:

BM# 22 3" BRASS DISK IN CONCRETE. STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITESTONE BLVD. (FM 1431), LOOKING NORTH. NORTHING=10165081.83' EASTING=3092268.19' ELEV=915.4'

BM# 42 3" BRASS DISK IN CONCRETE. STANDING ON NORTH ROW OF S LYNNWOOD TRL., WEST OF TALLOW TRL., LOOKING SOUTHWEST TOWARDS FOREST OAK PARK PLAYGROUND. NORTHING=10157771.28' EASTING=3092926.38' ELEV=884.6'

BM# 1 " X " CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER. NORTHING=10161606.90' EASTING=3095705.22' ELEV=895.09'

BM# 2" X " CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER. NORTHING=10161621.24' EASTING=3095544.53' ELEV=898.64'

BM# 3" X " CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER. NORTHING=10161742.13' EASTING=3095845.30' ELEV=890.16'

BM# 4 1/2-INCH IRON ROD WITH RED CAP SET LOCATED NORTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 161.76 FEET NORTHWEST OF THE NORTHWEST CORNER OF SAID CHURCH, ± 102.44 FEET SOUTHWEST OF A 18 FOOT BY 15 FOOT BRICK BUILDING. NORTHING=10162036.38' EASTING=3095705.95' ELEV=890.18'

BM# 5" X " CUT IN CONCRETE SIDEWALK LOCATED NORTHEAST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 383.94 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 78.56 FEET EAST OF A CONCRETE HEADWALL. NORTHING=10162238.14' EASTING=3096189.11' ELEV=885.16'

BM#6 1/2-INCH IRON ROD WITH RED CAP SET LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 47.84 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 40.53 FEET SOUTHWEST OF A STONE WALL WITH SIGN "CREEK VIEW". NORTHING=10161917.81' EASTING=3096325.34' ELEV=883.04'

PREPARED BY
Westwood

Phone (512) 485-0831 8701 N. Mopac Expy, Suite 320
Toll Free (888) 937-5150 Austin, TX 78759
westwoodps.com

Westwood Professional Services, Inc.
TBPE FIRM REGISTRATION NO. F-11756
TBPLS FIRM REGISTRATION NO. LS-10074301

LEGAL DESCRIPTION:

DESCRIPTION, of Lot 1, Block A, of EAST PARK CHURCH ADDITION, an addition to the City of Cedar Park, Williamson County, Texas, according to the plat thereof recorded in/under Instrument No. 2013098496, Plat Records, Williamson County, Texas.

FLOODPLAIN INFORMATION:

Subject property is shown on the National Flood Insurance Program Flood Insurance Rate Map for Williamson County, Texas and Incorporated Areas, Map No. 48491C0470F, Community-Panel No. 481282 0470F, Revised Date: December 20, 2019. The location of the said flood zones is based on said map, is approximate and is not located on the ground. Relevant zones are defined on said map as follows:

Zone "X" - Other Areas: Areas determined to be outside the 0.2% annual chance floodplain.

PROPOSED USE:

CHURCH ADDITON, GENERAL

ACREAGE:

BUILDING 1 - 23,731 SF
BUILDING 2 - 4,758 SF

TOTAL IMPERVIOUS COVER:

LOT, 1 BLOCK A
EXISTING: 2.23 ACRES (21.08%)
PROPOSED: 2.49 ACRES (23.53%)
TOTAL SITE AREA: 10.58 ACRES

FIRE DEPARTMENT:

CEDAR PARK FIRE DEPARTMENT
450 CYPRESS CREEK ROAD
CEDAR PARK, TEXAS 78613

GENERAL NOTES:

- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER, AND SUCCESSORS TO THE CURRENT PROPERTY OWNER, TO ENSURE THE SUBJECT PROPERTY AND ANY IMPROVEMENTS ARE MAINTAINED IN CONFORMANCE WITH THIS SITE DEVELOPMENT PLAN.
- THIS DEVELOPMENT SHALL COMPLY WITH ALL STANDARDS OF THE CITY OF CEDAR PARK CODE OF ORDINANCES.
- THIS DEVELOPMENT PLAN SHALL COMPLY WITH THE CITY OF CEDAR PARK "STANDARD NOTES - SITE DEVELOPMENT" FOR FIRE PROTECTION (EFFECTIVE JUNE 28, 2022) AND THE LOCAL AMENDMENTS FOUND IN CHAPTER 5 OF THE CODE OF ORDINANCES.
- THIS DEVELOPMENT PLAN SHALL MEET THE SPECIFICATIONS IN THE CITY OF AUSTIN DRAINAGE DESIGN CRITERIA MANUAL.
- ALL RESPONSIBILITY FOR THE ACCURACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF CEDAR PARK MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
- THE BOUNDARY OF THE 100 ATLAS 14 EVENT WILL BE STAKED AND NO ACTIVITY WILL OCCUR INSIDE THAT BOUNDARY.
- TDLR NUMBERS FOR SITE INCLUDE: TABS2023025221
- TCEQ EDWARDS AQUIFER PROGRAM ID. XXXXXXXX.

REVISIONS/CORRECTIONS

NO.	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NO.S	TOTAL # SHEETS IN PLAN SET	NET CHANGE TO IMP. COVER (sq. ft.)	TOTAL SITE IMP. COVER (sq. ft.) (%)	CITY OF AUSTIN APPROVAL/DATE	DATE IMAGED



Reviewed for Code Compliance
Signature required from all Departments

Planning _____ Date _____
Engineering Services _____ Date _____
Industrial Pretreatment _____ Date _____
Fire Prevention _____ Date _____
Landscape Planner _____ Date _____
Addressing _____ Date _____
Site Development Permit Number _____



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2023-27-SD
CITY APPROVAL STAMP

DRAWING SHEET INDEX	
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3	GENERAL NOTES 2 OF 3
4	GENERAL NOTES 3 OF 3
5	EROSION CONTROL GENERAL NOTES
6	PLAT
7	EXISTING CONDITIONS
8	DEMOLITION PLAN
9	EROSION CONTROL PLAN
10	EROSION CONTROL DETAILS
11	OVERALL SITE PLAN
12	DIMENSION CONTROL PLAN
13	PAVING PLAN
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49	PHOTOMETRIC SHEETS



naylor wentworth lund
architects

THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS



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Consultants

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE
1801 E. PARK STREET | CEDAR PARK, TEXAS
SITE DEVELOPMENT PERMIT
DRAWING ISSUE
ISSUE DATE: 10/18/2023
FILE PROJECT: 030623.01

DATE REVISION

COVER SHEET

1

1 OF 49

GENERAL NOTES: (REVISED MARCH 23, 2023)

- GENERAL CONTRACTOR SHALL CALL FOR ALL UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL DELINEATE AREAS OF EXCAVATION USING WHITE PAINT (WHITE LINING) IN ACCORDANCE WITH 16.75 TAB 18.3. WATER & WASTEWATER OWNED BY THE CITY OF CEDAR PARK CAN BE LOCATED BY CALLING TEXAS 811 AT 1-800-344-8377. ALLOW THREE BUSINESS DAYS FOR UTILITY LOCATES BY THE CITY OF CEDAR PARK.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF AUSTIN STANDARD SPECIFICATIONS. CITY OF AUSTIN STANDARDS SHALL BE USED UNLESS OTHERWISE NOTED.
- DESIGN PROCEDURES SHALL BE IN GENERAL COMPLIANCE WITH THE CITY OF CEDAR PARK DRAINAGE CRITERIA MANUAL. ALL VARIANCES TO THE MANUAL ARE LISTED BELOW. NONE.
- BENCHMARKS SHOULD BE TIED TO THE CITY OF CEDAR PARK BENCHMARKS AND BE CORRECTLY "GEO-REFERENCED" TO STATE PLANE COORDINATES. A LIST OF THE CITY'S BENCHMARKS CAN BE FOUND AT: [HTTP://WWW.CEDARPARKTXAS.GOV/INDEX.ASPX?PAGE=793](http://www.cedarparktxas.gov/index.aspx?page=793).
- PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR A SITE DEVELOPMENT PERMIT, THE RIGHT OF WAY BETWEEN THE PROPERTY LINE AND EDGE OF PAVEMENT / BACK OF CURB SHALL BE REVEGETATED ACCORDING TO COA SPECIFICATION 602S AND 606S. PRIOR TO CITY ACCEPTANCE OF SUBDIVISION IMPROVEMENTS ALL GRADED AND DISTURBED AREAS SHALL BE RE-VEGETATED IN ACCORDANCE WITH THE CITY OF AUSTIN SPECIFICATION ITEM #604 NATIVE SEEDING UNLESS NON-NATIVE IS SPECIFICALLY APPROVED.
- THE CONTRACTOR SHALL PROVIDE THE CITY OF CEDAR PARK COPIES OF ALL TEST RESULTS PRIOR TO ACCEPTANCE OF SUBDIVISION IMPROVEMENTS.
- CITY, OWNER, ENGINEER, CONTRACTOR, REPRESENTATIVES OF ALL UTILITY COMPANIES, AND A REPRESENTATIVE FROM THE TESTING LAB SHALL ATTEND PRE-CONSTRUCTION CONFERENCE PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE THE MEETING WITH THE CITY OF CEDAR PARK ENGINEERING DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO THIS PRE-CONSTRUCTION MEETING (512-401-5000). FINAL CONSTRUCTION PLANS SHALL BE DELIVERED TO ENGINEERING A MINIMUM OF SEVEN BUSINESS DAYS PRIOR TO REQUESTING A PRE-CONSTRUCTION MEETING.
- EXCESS SOIL SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. NOTIFY THE CITY OF CEDAR PARK IF THE DISPOSAL SITE IS INSIDE THE CITY'S JURISDICTIONAL BOUNDARIES.
- BURNING IS PROHIBITED.
- ANY CHANGES OR REVISIONS TO THESE PLANS MUST FIRST BE SUBMITTED TO THE CITY BY THE DESIGN ENGINEER FOR REVIEW AND WRITTEN APPROVAL PRIOR TO CONSTRUCTION OF THE REVISION. ALL CHANGES AND REVISIONS MADE TO THE DESIGN OF UTILITIES OR IMPACTS UTILITIES SHALL USE REVISION CLOUDS TO HIGHLIGHT ALL REVISIONS OR CHANGES WITH EACH SUBMITTAL. REVISION TRIANGLES SHALL BE USED TO MARK REVISIONS. ALL CLOUDS AND TRIANGLE MARKERS FROM PREVIOUS REVISIONS MAY BE REMOVED. REVISION INFORMATION SHALL BE UPDATED IN THE APPROPRIATE AREAS OF THE TITLE BLOCK.
- MINIMUM SETBACK REQUIREMENTS FOR EXISTING AND NEWLY PLANTED TREES FROM THE EDGE OF PAVEMENT TO CONFORM TO THE REQUIREMENTS AS SHOWN IN TABLE 6-1 OF THE CITY OF AUSTIN'S TRANSPORTATION CRITERIA MANUAL.
- THE CONTRACTOR WILL REIMBURSE THE CITY FOR ALL COST INCURRED AS A RESULT OF ANY DAMAGE TO ANY CITY UTILITY OR ANY INFRASTRUCTURE WITHIN THE RIGHT-OF-WAY BY THE CONTRACTOR, REGARDLESS OF THESE PLANS.
- AN ENGINEER'S CONCURRENCE LETTER AND ELECTRONIC 22"x34" RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR SUBDIVISION ACCEPTANCE. THE ENGINEER AND CONTRACTOR SHALL VERIFY THAT ALL FINAL REVISIONS AND CHANGES HAVE BEEN MADE TO RECORD DRAWINGS PRIOR TO CITY SUBMITTAL. RECORD CONSTRUCTION DRAWINGS, INCLUDING ROADWAY AND ALL UTILITIES, SHALL BE PROVIDED TO THE CITY IN AUTOCAD (.DWG) FILES AND .PDF FORMAT ON A CD OR DVD. LINE WEIGHTS, LINE TYPES AND TEXT SIZE SHALL BE SUCH THAT IF HALF-SIZE PRINTS (11"x 17") WERE PRODUCED, THE PLANS WOULD STILL BE LEGIBLE. ALL REQUIRED DIGITAL FILES SHALL CONTAIN A MINIMUM OF TWO (2) CONTROL POINTS REFERENCED TO THE STATE PLANE GRID COORDINATE SYSTEM - TEXAS CENTRAL ZONE (4203), IN US FEET AND SHALL INCLUDE ROTATION INFORMATION AND SCALE FACTOR REQUIRED TO REDUCE SURFACE COORDINATES TO GRID COORDINATES IN US FEET.
- THE CITY OF CEDAR PARK HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT. IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE COMPLIANCE WITH ALL LEGISLATION RELATED TO ACCESSIBILITY WITHIN THE LIMITS OF CONSTRUCTION SHOWN IN THESE PLANS.
- ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF CEDAR PARK MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
- NO BLASTING IS ALLOWED ON THIS PROJECT.
- TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO ANY PARTIAL OR COMPLETE ROADWAY CLOSURES. TRAFFIC CONTROL PLANS SHALL BE SITE SPECIFIC AND SEAL BY A REGISTERED PROFESSIONAL ENGINEER.
- THE CONTRACTOR SHALL KEEP THE SITE CLEAN AND MAINTAINED AT ALL TIMES, TO THE SATISFACTION OF THE CITY. THE SUBDIVISION WILL NOT BE ACCEPTED (OR CERTIFICATE OF OCCUPANCY ISSUED) UNTIL THE SITE HAS BEEN CLEANED TO THE SATISFACTION OF THE CITY.
- SIGNS ARE NOT PERMITTED IN PUBLIC UTILITY EASEMENTS, SET BACKS OR DRAINAGE EASEMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT TEMPORARY EROSION CONTROLS ON A DAILY BASIS. ADJUST THE CONTROLS AND/OR REMOVE ANY SEDIMENT BUILDUP AS NECESSARY. A STOP WORK ORDER AND/OR FINE MAY BE IMPOSED IF THE EROSION CONTROLS ARE NOT MAINTAINED.
- A FINAL CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED ON COMMERCIAL SITES UNTIL ALL DISTURBED AREAS HAVE BEEN RE-VEGETATED. SUBSTANTIAL GRASS COVER, AS DETERMINED BY ENGINEERING DEPARTMENT, MUST BE ACHIEVED PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY. ALL EROSION CONTROLS MUST REMAIN IN PLACE AND MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN RE-VEGETATED TO THE ACCEPTANCE OF THE CITY OF CEDAR PARK ENGINEERING DEPARTMENT. PRIOR TO A CERTIFICATE OF OCCUPANCY FOR A SITE DEVELOPMENT PERMIT, THE RIGHT OF WAY BETWEEN THE PROPERTY LINE AND EDGE OF PAVEMENT / BACK OF CURB SHALL BE REVEGETATED ACCORDING TO COA SPECIFICATION 602S AND 606S.
- CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS. CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER, ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM THE SITE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN A STOP WORK ORDER OR A FINE.
- ALL WET UTILITIES SHALL BE INSTALLED AND ALL DENSITIES MUST HAVE PASSED INSPECTION(S) PRIOR TO THE INSTALLATION OF DRY UTILITIES.
- A MINIMUM OF SEVEN DAYS OF CURE TIME IS REQUIRED FOR HMAc PRIOR TO THE INTRODUCTION OF VEHICULAR TRAFFIC TO ANY STREETS.
- PRIOR TO PLAN APPROVAL, THE ENGINEER SHALL SUBMIT TO THE ENGINEERING DEPARTMENT DOCUMENTATION OF SUBDIVISION/SITE REGISTRATION WITH THE TEXAS DEPARTMENT OF LICENSING AND REGULATIONS (TDLR) AND PROVIDE DOCUMENTATION OF REVIEW AND COMPLIANCE OF THE SUBDIVISION/SITE CONSTRUCTION PLANS WITH TEXAS ARCHITECTURAL BARRIERS ACT (TABA).
- PRIOR TO SUBDIVISION/SITE ACCEPTANCE, THE ENGINEER/DEVELOPER-OWNER SHALL SUBMIT TO THE ENGINEERING DEPARTMENT DOCUMENTATION THAT THE SUBDIVISION/SITE WAS INSPECTED BY TDLR OR A REGISTERED ACCESSIBILITY SPECIALIST (RAS) AND THE SUBDIVISION/SITE IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE TABA.
- ALL CONSTRUCTION AND CONSTRUCTION RELATED ACTIVITIES SHALL BE PERFORMED MONDAY THRU FRIDAY FROM 7:00 A.M. TO 6:00 P.M. HOWEVER, CONSTRUCTION ACTIVITIES WITHIN ONE HUNDRED FEET (100') OF A DWELLING OR DWELLING UNIT SHALL BE PERFORMED BETWEEN THE HOURS OF 8:00 A.M. AND 6:00 P.M. OTHERWISE ALL CONSTRUCTION AND CONSTRUCTION RELATED ACTIVITIES SHALL CONFORM TO CITY OF CEDAR PARK CODE OF ORDINANCES, SPECIFICALLY ARTICLE 8.08.
- APPROVAL FOR CONSTRUCTION ACTIVITIES PERFORMED ON OWNER'S HOLIDAYS, AND/OR SATURDAYS, OUTSIDE OF MONDAY THROUGH FRIDAY 8 AM TO 5 PM, OR IN EXCESS OF 8 HOURS PER DAY SHALL BE OBTAINED IN WRITING 48 HOURS IN ADVANCE, AND INSPECTION FEES AT 3 TIMES THE HOURLY INSPECTION RATE SHALL BE BILLED DIRECTLY TO THE CONTRACTOR. THERE SHALL BE NO CONSTRUCTION OR CONSTRUCTION RELATED ACTIVITIES PERFORMED ON SUNDAY. THE CITY RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT CITY INSPECTION.
- ALL POLES TO BE APPROVED BY CITY AND PEC, NO CONDUIT SHALL BE INSTALLED DOWN LOT LINES / BETWEEN HOMES. ALL CONDUIT SHALL BE LOCATED IN THE PUBLIC ROW OR IN AN EASEMENT ADJACENT TO AND PARALLEL TO THE PUBLIC ROW.
- DRY UTILITIES SHALL BE INSTALLED AFTER SUBGRADE IS CUT AND BEFORE FIRST COURSE BASE. NO TRENCHING OF COMPACTED BASE. IF NECESSARY DRY UTILITIES INSTALLED AFTER FIRST COURSE BASE SHALL BE BORED ACROSS THE FULL WIDTH OF THE ROW.
- NO PONDING OF WATER SHALL BE ALLOWED TO COLLECT ON OR NEAR THE INTERSECTION OF PRIVATE DRIVEWAY(S) AND A PUBLIC STREET. RECONSTRUCTION OF THE DRIVEWAY APPROACH SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ALL DRIVEWAY APPROACHES SHALL HAVE A UNIFORM TWO PERCENT SLOPE WITHIN THE ROW

UNLESS APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.

- CONTRACTORS ON SITE SHALL HAVE AN APPROVED SET OF PLANS AT ALL TIMES. FAILURE TO HAVE AN APPROVED SET MAY RESULT IN A STOP WORK ORDER.
- CONTRACTOR TO CLEAR FIVE FEET BEYOND ALL RIGHT OF WAY TO PREVENT FUTURE VEGETATIVE GROWTH INTO THE SIDEWALK AREAS.
- THERE SHALL BE NO WATER OR WASTEWATER APPURTENANCES, INCLUDING BUT NOT LIMITED TO, VALVES, FITTINGS, METERS, CLEAN-OUTS, MANHOLES, OR VAULTS IN ANY DRIVEWAY, SIDEWALK, TRAFFIC OR PEDESTRIAN AREA.
- SIDEWALKS SHALL NOT USE CURB INLETS AS A PARTIAL WALKING SURFACE. SIDEWALKS SHALL NOT USE TRAFFIC CONTROL BOXES, METER OR CHECK VALVE VAULTS, COMMUNICATION VAULTS, OR OTHER BURIED OR PARTIALLY BURIED INFRASTRUCTURE AS A VEHICULAR OR PEDESTRIAN SURFACE.
- THE PROVISIONS OF THIS SECTION SHALL APPLY TO ALL MAJOR SUBDIVISION, DEVELOPMENT PLAT AND/OR SITE DEVELOPMENT ACTIVITIES REQUIRING LAND USE PERMITS AND APPROVALS WITHIN THE CITY LIMITS AND THE EXTRATERRITORIAL JURISDICTION OF THE CITY, UNLESS OTHERWISE EXCLUDED WITHIN THIS SECTION. THE SECTION ALSO APPLIES TO LAND DEVELOPMENT ACTIVITIES THAT ARE SMALLER THAN THE MAXIMUM SQUARE FOOTAGE EXEMPTED IF SUCH ACTIVITIES ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT. IN ADDITION, ALL PLANS MUST ALSO BE REVIEWED BY EITHER TCEQ (IF LOCATED WITHIN THE EDWARDS AQUIFER CONTRIBUTING AND/OR RECHARGE ZONES) OR THE CITY ON BEHALF OF LCRA (IF LOCATED WITHIN THE LAKE TRAVIS WATERSHED) TO ENSURE THAT ESTABLISHED WATER QUALITY STANDARDS WILL BE MAINTAINED DURING AND AFTER DEVELOPMENT OF THE SITE. TCEQ APPROVAL IS REQUIRED PRIOR TO SITE DEVELOPMENT PERMIT ISSUANCE.

STREET NOTES:

- NO TRENCHING OF COMPACTED BASE WILL BE ALLOWED. A PENALTY AND/OR FINE MAY BE IMPOSED TO THE GENERAL CONTRACTOR IF TRENCHING OF COMPACTED BASE OCCURS WITHOUT CITY APPROVAL, REGARDLESS OF WHO PERFORMED THE TRENCHING.
- ALL SIDEWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CITY OF CEDAR PARK HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT, OR ANY OTHER ACCESSIBILITY LEGISLATION, AND DOES NOT WARRANT OR APPROVE THESE PLANS FOR ANY ACCESSIBILITY STANDARDS.
- STREET BARRICADES SHALL BE INSTALLED ON ALL DEAD END STREETS AND AS NECESSARY DURING CONSTRUCTION TO MAINTAIN JOB SAFETY.
- ANY DAMAGE CAUSED TO EXISTING PAVEMENT, CURBS, SIDEWALKS, RAMPS, ETC., SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SUBDIVISION.
- AT INTERSECTIONS, WHICH HAVE VALLEY DRAINAGE, THE CROWN TO THE INTERSECTING STREET WILL BE CULMINATED AT A DISTANCE OF 40 FT. FROM THE INTERSECTING CURB LINE UNLESS OTHERWISE NOTED.
- THE SUBGRADE MATERIAL WAS TESTED BY ECS SOUTHWEST, LLP 14050 SUMMIT DRIVE, SUITE 101, AUSTIN, TX 78728, (512) 837-8005 ON 06/16/2022 THE PAVEMENT SECTIONS WERE DESIGNED ACCORDINGLY. THE PAVEMENT SECTIONS ARE TO BE CONSTRUCTED AS FOLLOWS: SEE PAVING DETAILS SHEET 14.
- DENSITY TESTING OF COMPACTED SUBGRADE MATERIAL, FIRST COURSE AND SECOND COURSE COMPACTED BASE, SHALL BE MADE AT 500 FOOT INTERVALS.
- ALL DENSITY TESTING IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR AND SHALL BE WITNESSED BY THE CITY OF CEDAR PARK'S PROJECT REPRESENTATIVE. THE CONTRACTOR IS TO NOTIFY THE CITY 48 HOURS PRIOR TO SCHEDULED DENSITY TESTING.
- TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND INSTALLED AS DIRECTED BY THE CITY OF CEDAR PARK PRIOR TO CITY ACCEPTANCE OF THE SUBDIVISION.
- SLOPE OF NATURAL GROUND ADJACENT TO THE RIGHT-OF-WAY SHALL NOT EXCEED 3:1. IF A 3:1 SLOPE IS NOT POSSIBLE, A RETAINING WALL OR SOME OTHER FORM OF SLOPE PROTECTION APPROVED BY THE CITY SHALL BE PLACED IN A LOCATION ACCEPTABLE TO THE CITY.
- THE CITY, ENGINEER, CONTRACTOR, AND A REPRESENTATIVE FROM THE ASPHALT TESTING LAB SHALL ATTEND A PRE-PAVING CONFERENCE PRIOR TO THE START OF HMAc PAVING. THE CONTRACTOR SHALL GIVE THE CITY A MINIMUM OF 48 HOURS NOTICE PRIOR TO THIS MEETING (512-401-5000).
- THE CONTRACTOR OR OWNER IS RESPONSIBLE FOR CONDUCTING TESTS ON ASPHALT PAVEMENT IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE CITY OF AUSTIN STANDARD SPECIFICATION NO.340 ANY RE-TESTING OF THE ASPHALT PAVEMENT SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE ENGINEER AND THE CITY OF CEDAR PARK. RE-TESTING OF THE ASPHALT PAVEMENT SHALL BE LIMITED TO ONE RE-TEST PER PROJECT.
- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL COMPLY WITH MUTCD STANDARDS. STREET NAME LETTER SIZING SHALL BE IN ACCORDANCE WITH MUTCD TABLE 2-2. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- ALL STREET NAME SIGNS SHALL BE HIGH INTENSITY RETRO GRADE.
- NO FENCING OR WALL IS ALLOWED TO BE CONSTRUCTED SO THAT IT OBSTRUCTS THE SIGHT LINES OF DRIVERS FROM AN INTERSECTING PUBLIC ROADWAY OR FROM AN INTERSECTING PRIVATE DRIVEWAY. SIGHT LINES ARE TO BE MAINTAINED AS DESCRIBED IN CITY CODE SECTION 14.05.007. INSTALLING A FENCE OR WALL WHICH DOES NOT COMPLY WITH THE CITY'S SIGHT DISTANCE REQUIREMENTS OR FENCE REGULATIONS IS A VIOLATION OF THE CITY'S ORDINANCE AND MAY BE PUNISHABLE PURSUANT TO SECTION 1.01.009 OF CITY CODE.
- TEMPORARY ROCK CRUSHING OPERATIONS ARE NOT ALLOWED. ALL SOURCES FOR FLEXIBLE BASE MATERIAL ARE REQUIRED TO BE APPROVED BY THE CITY. PRIOR TO BASE PLACEMENT ALL CURRENT TRIAXIAL TEST REPORTS FOR THE PROPOSED STOCKPILES ARE TO BE SUBMITTED TO THE CITY'S PROJECT REPRESENTATIVE FOR REVIEW AND APPROVAL.
- UTILITY SERVICE BOXES OR OTHER UTILITY FACILITIES SHALL NOT BE INSTALLED WITHIN AREAS DETERMINED TO BE REQUIRED SIGHT LINES OF TWO INTERSECTING PUBLIC STREETS OR WITHIN SIGHT LINES OF A PRIVATE DRIVEWAY. SIGHT LINES ARE TO BE MAINTAINED COMPLIANT WITH TABLE 1-1 OF THE AUSTIN TRANSPORTATION CRITERIA MANUAL. UTILITIES DETERMINED BY THE DIRECTOR OF ENGINEERING TO BE PLACED WITHIN REQUIRED SIGHT LINES MAY BE REQUIRED TO BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR PRIOR TO THE CITY ISSUING A CERTIFICATE OF OCCUPANCY OR PRIOR TO THE CITY'S ACCEPTANCE OF THE PROJECT IMPROVEMENTS.
- ALL LANE CLOSURES SHALL OCCUR ONLY BETWEEN THE HOURS OF 9 AM AND 4 PM. ANY NIGHT OR EVENING CLOSURE REQUIRE APPROVAL BY THE DIRECTOR OF ENGINEERING AND SHALL OCCUR BETWEEN THE HOURS OF 8 PM AND 6 AM. LANE CLOSURES OBSERVED BY CITY DURING THE PEAK HOURS OF 6 AM TO 9 AM, OR 4 PM TO 8 PM WILL BE SUBJECT TO FINE PER CHAPTER 1 OF CITY ORDINANCE, AND/OR SUBSEQUENT ISSUANCE OF WORK STOPPAGE.
- IMPROVEMENTS THAT INCLUDE RECONSTRUCTION OF AN EXISTING TYPE II DRIVEWAY SHALL BE DONE IN A MANNER WHICH RETAINS OPERATIONS OF NOT LESS THAN HALF OF THE DRIVEWAY AT ALL TIMES. FULL CLOSURE OF SUCH DRIVEWAY CAN BE CONSIDERED WITH WRITTEN AUTHORIZATION RETAINED BY THE CONTRACTOR FROM THE PROPERTY OWNER(S) OR ACCESS EASEMENT RIGHT HOLDER(S) OF THE DRIVEWAY ALLOWING FULL CLOSURE OF THE DRIVEWAY.
- TREES MUST NOT OVERHANG WITHIN 10' VERTICALLY OF A SIDEWALK, OR 18' VERTICALLY OF A ROADWAY OR DRIVEWAY.

WASTEWATER NOTES:

- REFER TO THE CITY OF CEDAR PARK PUBLIC WORKS UTILITY POLICY AND SPECIFICATIONS MANUAL.
- MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH THE CITY APPROVAL. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION.
- THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO BIDDING THE PROJECT.
- ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH AT LEAST 8 MIL. POLYETHYLENE WRAP.
- ALL WATER MAINS, WASTEWATER MAINS AND SERVICE LINES SHALL MEET CITY OF AUSTIN MINIMUM COVER SPECIFICATIONS. ALL STREETS ARE TO BE CUT TO SUBGRADE PRIOR TO INSTALLATION OF WATER MAINS OR CUTS WILL BE ISSUED BY THE ENGINEER.
- WHERE 48-INCHES OF COVER BELOW SUBGRADE CANNOT BE ACHIEVED FOR WASTEWATER SERVICE LINES ALTERNATE MATERIALS MAY BE USED. A MINIMUM OF 36-INCHES OF COVER BELOW SUBGRADE SHALL BE ACHIEVED. ANY WASTEWATER SERVICE LINE WITH COVER BETWEEN 36-INCH AND 48-INCHES SHALL BE SDR-26 PVC PRESSURE PIPE.
- GASKETED PVC SEWER MAIN FITTINGS SHALL BE USED TO CONNECT SDR-35 PVC TO SDR-26 PVC PRESSURE PIPE OR C-900.
- PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: WASTEWATER- SDR-26 (NOTE: IF USING PVC, SDR-26 IS REQUIRED, SDR-35 WW IS NOT ALLOWED.)
- ALL SANITARY SEWERS, EXCLUDING SERVICE LINES, SHALL BE MANDREL TESTED PER TCEQ (TEXAS

COMMISSION ON ENVIRONMENTAL QUALITY) CRITERIA. A MANDREL TEST WILL NOT BE PERFORMED UNTIL BACKFILL HAS BEEN IN PLACE FOR A MINIMUM OF 30 DAYS.

- ALL WASTEWATER LINES 10" AND LARGER SHALL BE VIDEO INSPECTED IN ACCORDANCE WITH CITY OF CEDAR PARK PUBLIC WORKS DEPARTMENT UTILITY POLICY AND STANDARD SPECIFICATIONS MANUAL APPENDIX E. REQUIREMENTS FOR VIDEO INSPECTION OF WASTEWATER LINES AT THE CONTRACTOR'S EXPENSE. NO SEPARATE PAY UNLESS NOTED ON THE BID FORM.
- ALL SANITARY SEWERS, INCLUDING SERVICE LINES, SHALL BE AIR TESTED PER CITY OF AUSTIN STANDARD SPECIFICATIONS.
- DENSITY TESTING OF COMPACTED BACKFILL SHALL BE MADE AT A RATE OF ONE TEST PER TWO FOOT LIFTS PER 500 FEET OF INSTALLED PIPE.
- CITY SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO ALL TESTING OF WATER AND WASTEWATER LINES. CITY INSPECTION IS REQUIRED FOR ALL TESTING OF WATER AND WASTEWATER LINES. 14. WHERE A WATER OR WASTEWATER LINE CROSSES ABOVE (OR BELOW) A STORM SEWER STRUCTURE AND THE BOTTOM (OR TOP) OF THE PIPE IS WITHIN 18 INCHES OF THE TOP (OR BOTTOM) OF THE UTILITY STRUCTURE, THE PIPE SHALL BE ENCASED WITH CONCRETE FOR A DISTANCE OF AT LEAST 1 FT. ON EITHER SIDE OF THE DITCH LINE OF THE UTILITY STRUCTURE OR THE STORM SEWER. CONCRETE ENCASEMENT WILL NOT BE REQUIRED FOR DUCTILE IRON (THICKNESS CLASS 50), AWMA C-900 (SDR-18) 150 PSI RATED PVC IN SIZES TO 12 INCHES OR AWMA C-905 (SDR-25) 165 PSI RATED PVC IN SIZES LARGER THAN 12 INCHES. CONCRETE ENCASEMENT SHALL CONFORM TO C.O.A. STANDARD DETAIL 505-1.
- THE ALLOWABLE (MAXIMUM) ADJUSTMENT FOR A MANHOLE SHALL BE 12" (INCHES) OR LESS.
- WHERE A SEWER LINE CROSSES A WATER LINE, THE SEWER LINE SHALL BE ONE 20 FT. JOINT OF 150 PSI RATED PVC ENLERT ON CROSSING.
- ALL MANHOLE AND INLET COVERS SHALL READ 'CITY OF CEDAR PARK'.
- CONTRACTOR TO NOTIFY, AND OBTAIN APPROVAL FROM, THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING CITY UTILITIES.
- ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.
- UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS 'A' (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.
- ALL WASTEWATER MANHOLES TO BE COATED WITH ORGANIC MATERIALS AND PROCEDURES LISTED IN CITY OF AUSTIN QUALIFIED PRODUCTS LIST NO. WW-511 (WW-511A AND WW-511B ARE NOT ALLOWED UNLESS MANHOLE IS BEING STRUCTURALLY REHABILITATED WITH APPROVAL BY PUBLIC WORKS). ALL MANHOLES WILL BE PRE-COATED OR COATED AFTER TESTING.
- POLYBRID COATINGS ON WASTEWATER MANHOLES WILL NOT BE ALLOWED. ANY OTHER PRODUCT APPEARING ON THE COA SPL WW-511 IS ACCEPTABLE.
- ALL PENETRATIONS OF EXISTING WASTEWATER MANHOLES ARE REQUIRED TO BE RE-COATED IN ACCORDANCE WITH THE SPECIFICATIONS LISTED IN NOTE 20.
- ALL MANHOLES WILL BE VACUUM TESTED ONLY.
- TRACER TAPE AND MARKING TAPE SHALL BE INSTALLED ON ALL WATER AND WASTEWATER MAINS IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS, REGARDLESS OF THE TYPE OF PIPE.
- ALL PRESSURE PIPE SHALL HAVE MECHANICAL RESTRAINT AND CONCRETE THRUST BLOCKING AT ALL VALVES, BENDS, TEES, PLUGS, AND OTHER FITTINGS.

WATER NOTES:

- REFER TO THE CITY OF CEDAR PARK PUBLIC WORKS UTILITY POLICY AND SPECIFICATIONS MANUAL.
- THE TOP OF VALVE STEMS SHALL BE AT LEAST 18" AND NO MORE THAN 36", BELOW FINISHED GRADE. VALVE STEM RISERS SHALL BE WELDED ON EACH END TO THE CITY'S SATISFACTION.
- FIRE HYDRANT LEADS TO BE DUCTILE IRON, CLASS 350, AND INSTALLED PER CITY OF AUSTIN STANDARD SPECIFICATIONS AND DETAIL.
- PRIOR TO INSTALLATION OF FIRE HYDRANTS, THE ENGINEER WILL PROVIDE THE CONTRACTOR ONE (1) CUT FROM A HUB PIN, ESTABLISHING THE ELEVATION OF THE BURY LINE.
- THE ENGINEER SHALL PROVIDE CUTS FOR ALL WATER LINES AT ALL STORM SEWER CROSSINGS TO THE CITY OF CEDAR PARK.
- PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: WATER - AWMA C900, DR 14 COPPER PIPE AND FITTINGS ARE NOT PERMITTED WITHIN THE RIGHT-OF-WAY. MINIMUM DR-14 12" DIA AND SMALLER. MINIMUM CLASS 250 DI LARGER THAN 12" DIA.
- APPROVED 5 1/4" FIRE HYDRANTS:
 - AMERICAN FLOW CONTROL, 8B4B
 - MUELLER COMPANY, SUPER CENTURION 250
 - CLOW MEDALLION HYDRANT AMERICAN AVK COMPANY, SERIES 27 (MODEL 2780)
 - ALL FIRE HYDRANTS MUST MEET CITY OF CEDAR PARK THREAD SPECIFICATIONS (NATIONAL THREAD)
 - BLUE REFLECTOR MARKERS SHALL BE LOCATED ON THE CENTERLINE OF THE PAVEMENT ACROSS FROM ALL FIRE HYDRANTS. PAVEMENT MARKERS AT INTERSECTIONS SHALL BE FOUR-SIDED.
 - SHOULD A TAPPING SADDLE BE APPROVED BY PUBLIC WORKS, THE SADDLE SHALL BE SMITH-BLAIR 662 STAINLESS STEEL TAPPING SLEEVES WITH ALL STAINLESS HARDWARE, OR APPROVED EQUAL REQUESTS FOR ALTERNATE PROVIDERS SHALL BE MADE TO THE CITY OF CEDAR PARK PUBLIC WORKS. NO TAP EXCEEDING 2" IN DIAMETER WILL BE APPROVED.
- ALL WATER LINES, INCLUDING SERVICE LINES, SHALL BE PRESSURE AND LEAK TESTED PER CITY OF AUSTIN STANDARD SPECIFICATIONS AND WITNESSED BY THE CITY OF CEDAR PARK REPRESENTATIVE. ALL TESTING IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE CONTRACTOR MAY BE REQUIRED TO RE-TEST LINES IF THE TESTING IS NOT WITNESSED BY THE CITY. CONTRACTOR MUST NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO ANY TESTING.
- ALL WATER LINES SHALL BE STERILIZED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR STERILIZATION AND THE CITY OF CEDAR PARK IS RESPONSIBLE FOR SUBMITTING BACTERIOLOGICAL SAMPLES TO THE STATE. PUBLIC WORKS WILL REQUIRE A CONTRACTOR SPECIALIZED IN DISINFECTION FOR LARGE DIAMETER LINES OR CRITICAL INFRASTRUCTURE, SUBSIDIARY TO PIPE INSTALLATION.
- DENSITY TESTING OF COMPACTED BACKFILL SHALL BE MADE AT A RATE OF ONE TEST PER TWO FOOT LIFTS PER 500 FEET OF INSTALLED PIPE.
- CONTRACTOR TO OBTAIN A WATER METER FROM THE CITY OF CEDAR PARK FOR ANY WATER THAT MAY BE REQUIRED DURING CONSTRUCTION. (512-401-5000)
- ALL WATER METER BOXES SHALL BE FORD GULF METER BOX WITH LOCKING LID. SINGLE G-148-233 DUAL DG-148-243 1" METER YL111 - 444 1 1/2" - 2" METER 1730-R (LID) & 1730-12 (BOX)/ACCEPTABLE BOXES FOR THIS SIZE OF METER
- MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE, WHEN IN PUBLIC STREETS, AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH CITY INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION.
- THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS IS THE BEST AVAILABLE AND MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH AT LEAST 8 MIL. POLYETHYLENE WRAP.
- ALL WATER MAINS, WASTEWATER MAINS AND SERVICE LINES SHALL MEET CITY OF AUSTIN SPECIFICATIONS FOR MINIMUM COVER REQUIREMENTS. ALL STREETS ARE TO BE CUT TO SUBGRADE PRIOR TO INSTALLATION OF WATER MAINS OR CUTS WILL BE ISSUED BY THE ENGINEER.
- CITY TO BE GIVEN 48 HOURS NOTICE PRIOR TO ALL TESTING OF WATER AND WASTEWATER LINES. CITY INSPECTION IS REQUIRED FOR ALL TESTING OF WATER AND WASTEWATER LINES.
- WHERE A WATER OR WASTEWATER LINE CROSSES ABOVE (OR BELOW) A STORM SEWER STRUCTURE AND THE BOTTOM (OR TOP) OF THE PIPE IS WITHIN 18 INCHES OF THE TOP (OR BOTTOM) OF THE UTILITY STRUCTURE, THE PIPE SHALL BE ENCASED WITH CONCRETE FOR A DISTANCE OF AT LEAST 1 FT. ON EITHER SIDE OF THE DITCH LINE OF THE UTILITY STRUCTURE OR THE STORM SEWER. CONCRETE ENCASEMENT WILL NOT BE REQUIRED FOR DUCTILE IRON (THICKNESS CLASS 50), AWMA C-900 (SDR-18) 150 PSI RATED PVC IN SIZES TO 12 INCHES OR AWMA C-905 (SDR-25) 165 PSI RATED PVC IN SIZES LARGER THAN 12 INCHES. CONCRETE ENCASEMENT SHALL CONFORM TO C.O.A. STANDARD DETAIL 505-1. 20. CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.
- TRACER TAPE SHALL BE INSTALLED ON ALL WATER AND WASTEWATER MAINS REGARDLESS OF THE TYPE OF PIPE OR DEPTH OF PIPE INSTALLED.

23. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS 'A' (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.

- THE CITY CONSIDERS PROTECTION OF ITS WATER SYSTEM PARAMOUNT TO CONSTRUCTION ACTIVITIES. CITY PERSONNEL WILL OPERATE, OR AUTHORIZE THE CONTRACTOR TO OPERATE, ALL WATER VALVES THAT WILL PASS THROUGH THE CITY'S POTABLE WATER. THE CONTRACTOR MAY NOT OPERATE ANY WATER VALVE, EXISTING OR PROPOSED, THAT WILL ALLOW WATER FROM THE CITY'S WATER SYSTEM TO FLOW TO A PROPOSED OR EXISTING WATER SYSTEM WITHOUT THE EXPRESS CONSENT OF THE CITY. NOTIFY THE CITY TWO BUSINESS DAYS IN ADVANCE OF ANY REQUEST TO OPERATE A WATER VALVE. THE GENERAL CONTRACTOR MAY BE FINED \$500 OR MORE, INCLUDING ADDITIONAL THEFT OF WATER FINES, IF A WATER VALVE IS OPERATED IN AN UNAUTHORIZED MANNER, REGARDLESS OF WHO OPERATED THE VALVE.
- ALL WATER VALVES OVER 24" IN SIZE SHALL HAVE A BY-PASS LINE AND VALVE INSTALLED. BY-PASS VALVES AND LINES ARE SUBSIDIARY TO THE COST OF THE VALVE UNLESS SPECIFICALLY IDENTIFIED ON THE BID FORM.
- ALL WATER VALVES, INCLUDING THOSE OVER 12" IN SIZE, SHALL BE GATE VALVES.
- A DOUBLE CHECK BACKFLOW DEVICE IN A VAULT SHALL BE INSTALLED AT THE PROPERTY LINE ON ALL PRIVATE FIRE LINES. A DETECTOR WATER METER WILL BE INSTALLED ON THIS BACKFLOW DEVICE, AND IT MUST BE A SENSUS SRI 3/4" METER WITH AMI RADIO READ CAPABILITY. THE CITY WILL PROVIDE THIS METER. PLEASE REFERENCE THE CITY OF CEDAR PARK DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY DETAIL.
- ALL POTABLE WATER SYSTEM COMPONENTS INSTALLED AFTER JANUARY 4, 2014, SHALL BE LEAD FREE ACCORDING TO THE UNITED STATES SAFE DRINKING WATER ACT. THE ONLY COMPONENTS EXEMPT FROM THIS REQUIREMENT ARE FIRE HYDRANTS. COMPONENTS THAT ARE NOT CLEARLY IDENTIFIED BY THE MANUFACTURER AS MEETING THIS REQUIREMENT BY MARKING, OR ON THE PRODUCT PACKAGING, OR BY PRE-APPROVED SUBMITTAL, WILL BE REJECTED FOR USE. A NSF CERTIFICATION WILL BE ADEQUATE IF THE CERTIFICATION HAS NOT EXPIRED AS OF JANUARY 4, 2014 AND REMAINS UNEXPIRED AT THE TIME OF CONSTRUCTION.
- ALL PRESSURE PIPE SHALL HAVE MECHANICAL RESTRAINT AND CONCRETE THRUST BLOCKING AT ALL VALVES, BENDS, TEES, PLUGS, AND OTHER FITTINGS.

STORM SEWER NOTES:

- MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH CITY INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION. CONTRACTOR SHALL BACKFILL AROUND MANHOLES AND JUNCTION BOXES WITH CLASS A CONCRETE.
- ALL MANHOLE LIDS SHALL BE 32" OR LARGER, UNLESS EXPRESSLY APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.
- THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS IS THE BEST AVAILABLE AND MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, ALL STORM SEWER RCP SHALL BE CLASS III CORRUGATED METAL PIPE IS NOT PERMITTED.
- ALL MANHOLE AND INLET COVERS SHALL READ 'CITY OF CEDAR PARK'.
- CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.
- UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS 'A' (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.
- CONTRACTOR TO INSTALL AND MAINTAIN GEO-TEXTILE FABRIC BARRIER (INLET PROTECTION) AROUND STORM SEWER LEADS AND INLETS TO PREVENT SILT AND OTHER MATERIAL FROM ENTERING THE STORM SEWER COLLECTION SYSTEM.
- INSTALL CONCRETE SAFETY END TREATMENTS TO ALL CULVERTS AND ENDS OF DRAINAGE PIPE.
- ALL CURB INLETS SHALL HAVE AN ALMETEK 4" DISC 'NO DUMPING DRAINS TO WATERWAY' MARKER.

SEQUENCE OF CONSTRUCTION NOTES:

THE FOLLOWING SEQUENCE OF CONSTRUCTION SHALL BE USED FOR ALL DEVELOPMENT. THE APPLICANT IS ENCOURAGED TO PROVIDE ANY ADDITIONAL DETAILS APPROPRIATE FOR THE PARTICULAR DEVELOPMENT.

- TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN OR SUBDIVISION CONSTRUCTION PLAN AND IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION AND INITIATE TREE MITIGATION MEASURES.
- THE GENERAL CONTRACTOR MUST CONTACT THE CITY INSPECTOR AT 512-401-5000, 72 HOURS PRIOR TO THE SCHEDULED DATE OF THE REQUIRED ON-SITE PRECONSTRUCTION MEETING.
- THE GENERAL CONTRACTOR WILL FOLLOW THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE REVISED, IF NEEDED, TO COMPLY WITH CITY INSPECTORS' DIRECTIVES, AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER QUALITY PLAN REQUIREMENTS AND THE EROSION PLAN.
- ROUGH GRADE THE POND(S) AT 100% PROPOSED CAPACITY. EITHER THE PERMANENT OUTLET STRUCTURE OR A TEMPORARY OUTLET MUST BE CONSTRUCTED PRIOR TO DEVELOPMENT OF EMBANKMENT OR EXCAVATION THAT LEADS TO PONDING CONDITIONS. THE OUTLET SYSTEM MUST CONSIST OF A SUMP PIT OUTLET AND AN EMERGENCY SPILLWAY MEETING THE REQUIREMENTS OF THE CITY OF AUSTIN DRAINAGE CRITERIA MANUAL, AS REQUIRED. THE OUTLET SYSTEM SHALL BE PROTECTED FROM EROSION AND SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION UNTIL INSTALLATION OF THE PERMANENT WATER QUALITY POND(S).
- TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.
- BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
- UNDERGROUND UTILITIES WILL BE INSTALLED, INCLUDING FIRE HYDRANTS.
- BFIPE DEPARTMENT ACCESS WILL BE INSTALLED WHERE REQUIRED BY APPROVED SITE PLAN.
- VERTICAL CONSTRUCTION MAY OCCUR AFTER THE PRE-VERTICAL INSPECTION HAS BEEN CLEARED BY THE FIRE MARSHAL.



THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



CLAYTON J. STROLLE 068906

1918 EAS PARK STREET, CEDAR PARK, TEXAS

DATE: 01/08/2023

TIME: PROJECT

ISSUE DATE



City of Cedar Park
Fire Prevention Document

Standard Notes – Site Development

Number: FP-2	Revision: 3	Effective Date: June 28, 2022	Pages: 3
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0.1 Purpose

- A. This document is intended to provide an applicant for a site development plan with the list of common notes that must be included on the Fire Protection sheet.
 - B. Please list all of the following notes on the Fire Protection sheet contained within the site development plan. List in the order and format shown below.
1. Emergency Responder Radio Coverage (ERCC) is a critical component of all site development and building construction and must be contemplated early in the development process. ERCC is required for all new and existing buildings.
 - a. Testing for ERCC is the responsibility of the building owner or representative.
 - b. Testing must be in compliance with 2021 IFC Section 510.
 - c. Testing is required for:
 - i. Buildings with any sub-grade floor, including parking.
 - ii. Any building over 50,000 square feet.
 - iii. Any building more than 3 stories above grade plane.
 - iv. Any multi-story tilt wall building.
 - v. Any building where loss of signal strength becomes evident.
 1. Exception: 1- and 2-family dwellings and townhomes.
 - d. Testing must be completed after the building has the interior walls, exterior walls, elevator shafts, stair shafts, and roof completed, and remediation, if necessary, must be complete prior to issuance of a Certificate of Occupancy.
 - e. Remediation must be in compliance with 2021 IFC Section 510.
 - i. Exception: Plans may state that testing and remediation will be in accordance with 2021 IFC Section 510, however a combination of the two codes will not be allowed. Testing and remediation must both be in accordance with the same standard.
 2. Fire Apparatus Access Roads (Fire Lanes)
 - a. Must comply with 2021 International Fire Code (IFC) Chapter 5 and Appendices B through I, L and N, and City of Cedar Park Code of Ordinances Section 5.01 (fire code amendments).
 - b. Must be constructed of asphalt or concrete to support an imposed vehicle load of 90,000 pounds.
 - i. Grass pavers and other alternative materials are not allowed.
 - c. Must provide access to within 150 feet of all portions of the exterior of the building.
 - i. Access allowance is extended to 175 feet for a fully-sprinkled building.
 - d. Must have an unobstructed width of not less than 20 feet, except that at least 26 feet shall be required where hydrants are required along the fire lane or dead-end distances reach 500 feet or greater, or where required by other departments for mobility purposes.
 - e. Must have a minimum inside turning radius of 25 feet, and a minimum outside turning radius of 50 feet.
 - i. The minimum radii must be carried throughout the turning movement, from and to all required fire lanes. Example: a fire lane that turns 180-degrees must have a median depth of at least 50 feet.

- f. Must not have a dead-end of more than 150 feet without an approved turn-around at the dead-end.
 - i. Drawings for approved turn-arounds may be found in the 2021 IFC, Appendix D as amended.
 1. Must be 26 feet wide if the dead end is 500 feet or longer.
 2. Must have enlarged radii, per illustration.
 3. 150-500-foot dead end requires 96-foot diameter cul-de-sac, 120-foot hammerhead, or the alternative to the hammerhead.
 4. 501-750-foot dead end requires 96-foot diameter cul-de-sac
 5. 751-1000-foot dead end requires 108-foot diameter cul-de-sac
 6. Dead-ends over 1000 feet not allowed.
 - g. Shall not exceed a grade of more than 10% along any section of fire lane.
 - h. Shall not exceed an algebraic difference of more than 8% along the angles of approach and departure, measured on a rolling 50-stretch of fire lane. This includes transitions across sidewalks and cross-connecting streets, drives, and fire lanes.
 - i. Must be marked with red traffic paint or dye along both sides of the fire lane in an continuous stripe a minimum of 4 inches wide.
 - i. Stripe must use the curb face where available, and must continue along the pavement where no curb face is present.
 - ii. Must stencil FIRE LANE TOW AWAY ZONE in white letters a minimum of 3 inches high, no further than 35 feet between stencils. Place on curb face where available.
3. Fire Lanes During Construction
 - a. All fire lanes shown on the Fire Protection sheet must be in place prior to the onset of vertical construction, and prior to the delivery of any combustible materials to the site.
 - i. Compacted base may be used as fire apparatus access road during construction if approved by the Fire Prevention Division.
 1. Permission must be granted in writing.
 2. A compaction report shall be submitted by a third-party group prior to vertical construction and at any time throughout the construction process when deemed necessary by the Fire Prevention Division. Report must show 100% of optimal density throughout the fire lane, measured every 50 feet.
 3. Failure to maintain compacted base may result in a halt in construction until access is restored according to these standards.
 4. Even with compacted base, ALL CONCRETE DRIVEWAY APPROACHES MUST BE INSTALLED.
 5. Temporary fire lanes must still be identified as fire lanes – method to be approved by the Fire Prevention Division.
 - b. Fire lanes must be maintained throughout the construction process, and must be kept clear at all time. Blocking the fire lane with construction equipment or materials is not permitted.
 4. Fire Protection During Construction
 - a. In addition to the fire lane, all fire hydrants need to be installed, tested, and functional prior to the onset of vertical construction, and prior to the delivery of combustible materials.
 - b. No burning of materials on site allowed.

- c. No smoking allowed inside any building under construction, nor within 10 feet of combustible construction. Site supervisor shall designate smoking areas away from the building under construction.
- d. Site and building shall be kept free of debris and waste materials.
- e. Standpipe for fire protection, if required, shall be installed before a building under construction reaches 40 feet in height, and shall be extended per floor up to one floor below the highest progressed floor.
- f. Buildings shall not be occupied, nor shall any combustible items not related to the construction process be brought into the building prior to acceptance of all required fire protection systems.
- g. All construction vehicles and those driven by the contractors and their sub-contractors shall be maintained on the lot that is under construction.
- h. Buildings under construction shall have portable fire extinguishers:
 - i. At each stairway on all floor levels.
 - ii. In every storage and construction shed.
 - iii. Anywhere a special hazard exists, such as flammable liquid storage or use.
5. Fire Hydrants
 - a. Fire hydrants shall be installed in accordance with 2021 IFC Chapter 5 and Appendices B and C, including all footnotes in Table C102.1.
 - b. Any hydrant used to serve the fire flow for a building must be within 400 feet of the building, and must be positioned along a fire lane.
 - c. Hydrants shall be installed at least 3 feet from back of curb on the fire lane, but not more than 6 feet.
 - d. Hydrants shall be installed such that the center of the 5" cap measures at least 18 inches from finished grade, but not more than 24 inches.
 - e. Hydrants are required within 100 feet of a fire department connection or standpipe system, measured as the hose would lay along the fire lane. This hydrant shall not substitute for the hydrant(s) required by section 507.5.1.
 - f. The 5" cap must face the fire lane.
6. Approved Fire Apparatus Turn-arounds
 - a. Drawings for approved turn-arounds may be found in the 2021 IFC, Appendix D as amended.
 - i. 150-500-foot dead end requires 96-foot diameter cul-de-sac, 120-foot hammerhead, or the alternative to the hammerhead.
 - ii. 501-750-foot dead end requires 96-foot diameter cul-de-sac
 - iii. 751-1000-foot dead end requires 108-foot diameter cul-de-sac
 - iv. Dead-ends over 1000 feet not allowed.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISION OF CLAYTON J. STROLLE, P.E. UNDER NO CIRCUMSTANCES ALTERATION OF A SEALED DOCUMENT WITHOUT PRIOR NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

2023-27-SD
CITY APPROVAL STAMP





THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



CONSULTANTS

CONSULTANTS

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, TEXAS TEMPLE

1811 EAST PARK STREET, CEDAR PARK, TEXAS

DATE REVISION

GENERAL NOTES 3 of 3

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GRADING & DRAINAGE GENERAL NOTES

- 1. REFER TO GEOTECHNICAL REPORT 17-5858 BY ECS SOUTHWEST FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
2. UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 3% OF OPTIMUM MOISTURE CONTENT.
3. FILL TO BE PLACED IN MAXIMUM LIFTS OF 6 INCHES.
4. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.
5. GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO FEDERAL, STATE, AND LOCAL REGULATIONS.
6. ALL PROPOSED AND EXISTING GRADES IN NON-PAVED AREAS ARE "FINISHED GRADE" (i.e. IN LANDSCAPE BEDS, TOP OF MULCH/BEDDING MATERIAL).
7. ANY CONCRETE, ROCK, OR MATERIAL DEEMED BY THE ENGINEER TO BE UNSUITABLE FOR SUBGRADE SHALL BE DISPOSED OFFSITE AT CONTRACTOR'S EXPENSE.
8. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF CITY OF CEDAR PARK STANDARDS AND SHALL BE MECHANICALLY COMPACTED IN 6-INCH LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH CITY OF CEDAR PARK STANDARDS UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
9. EMBEDEDMENT SHALL CONFORM TO THE REQUIREMENTS OF CITY OF AUSTIN ITEM 510 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
10. WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE REQUIREMENTS.
11. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 48 INCHES BELOW IMPROVED FINISHED GRADE, UNLESS OTHERWISE NOTED.
12. SANITARY SEWER PIPE SHALL BE PVC SDR-35.
13. WHENEVER EXISTING OR NEW MAINS, SERVICES, AND LATERALS ARE INSTALLED, THEY SHALL BE INSTALLED NO CLOSER TO EACH OTHER THAN NINE FEET IN ALL DIRECTIONS AND PARALLEL LINES MUST BE INSTALLED IN SEPARATE TRENCHES. WHERE THE NINE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE FOLLOWING TCEQ CHAPTERS SHALL APPLY:
14. TCEQ CHAPTER 217.53 PIPE DESIGN
15. TCEQ CHAPTER 290.4 WATER DISTRIBUTION, SECTION (c) LOCATION OF WATERLINES.
16. CONTRACTOR TO VERIFY ALL EXISTING SEWER FLOW LINES BEFORE BEGINNING CONSTRUCTION.
17. CONTRACTOR SHALL TIE A ONE INCH WHITE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 16 INCHES OF FLAGGING EXPOSED AFTER BACKFILL. AFTER CURB AND PAVING IS COMPLETED, CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE ON THE CURB OR ALLEY IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
18. ALL SANITARY SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
19. THE UTILITY CONTRACTOR SHALL INSTALL THE WATER MAIN AT A POINT TWO FEET ABOVE THE FINISHED GRADE OF THE CURB LINE AT A DEPTH OF 12 INCHES. THE METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AFTER THE PAVING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE BACK OF THE CURB. EACH SERVICE LOCATION SHALL BE MARKED ON THE CURB WITH A BLUE LETTER "W" BY THE UTILITY CONTRACTOR AND IN CONFORMITY WITH THE APPLICABLE STANDARD RECORD DRAWINGS.
20. ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS.
21. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.2 AND SHALL BE MECHANICALLY COMPACTED IN 6-INCH LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
22. EMBEDEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
23. ALL VALVE AND HYDRANT OPERATIONS SHALL BE SET ON EACH GATE VALVE. AFTER THE FINAL CLEAN-UP AND ALIGNMENT HAS BEEN COMPLETED, THE UTILITY CONTRACTOR SHALL POUR A 24"x24"x6" CONCRETE BLOCK AROUND ALL VALVE BOX TOPS LEVEL WITH THE FINISHED GRADE.
24. CONTRACTOR SHALL RECONNECT ALL EXISTING SERVICES AND MAINTAIN EXISTING SERVICES THROUGHOUT CONSTRUCTION.
25. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

WATER & SANITARY SEWER GENERAL NOTES

- 1. ALL CONCRETE SHALL BE CLASS "A" (3000 PSI), UNLESS OTHERWISE NOTED.
2. ALL WATER MAINS SHALL BE PVC C900, DR 14, CLASS 305 AND INSTALLED IN ACCORDANCE WITH THE DESIGN AND SPECIFICATIONS OF THE FIRE PROTECTION PLANS TO BE PREPARED BY A LICENSED FIRE PROTECTION CONTRACTOR.
3. WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE REQUIREMENTS.
4. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 48 INCHES BELOW IMPROVED FINISHED GRADE, UNLESS OTHERWISE NOTED.
5. SANITARY SEWER PIPE SHALL BE PVC SDR-35.
6. WHENEVER EXISTING OR NEW MAINS, SERVICES, AND LATERALS ARE INSTALLED, THEY SHALL BE INSTALLED NO CLOSER TO EACH OTHER THAN NINE FEET IN ALL DIRECTIONS AND PARALLEL LINES MUST BE INSTALLED IN SEPARATE TRENCHES. WHERE THE NINE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE FOLLOWING TCEQ CHAPTERS SHALL APPLY:
7. TCEQ CHAPTER 217.53 PIPE DESIGN
8. TCEQ CHAPTER 290.4 WATER DISTRIBUTION, SECTION (c) LOCATION OF WATERLINES.
9. CONTRACTOR TO VERIFY ALL EXISTING SEWER FLOW LINES BEFORE BEGINNING CONSTRUCTION.
10. CONTRACTOR SHALL TIE A ONE INCH WHITE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 16 INCHES OF FLAGGING EXPOSED AFTER BACKFILL. AFTER CURB AND PAVING IS COMPLETED, CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE ON THE CURB OR ALLEY IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
11. ALL SANITARY SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
12. THE UTILITY CONTRACTOR SHALL INSTALL THE WATER MAIN AT A POINT TWO FEET ABOVE THE FINISHED GRADE OF THE CURB LINE AT A DEPTH OF 12 INCHES. THE METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AFTER THE PAVING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE BACK OF THE CURB. EACH SERVICE LOCATION SHALL BE MARKED ON THE CURB WITH A BLUE LETTER "W" BY THE UTILITY CONTRACTOR AND IN CONFORMITY WITH THE APPLICABLE STANDARD RECORD DRAWINGS.
13. ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS.
14. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.2 AND SHALL BE MECHANICALLY COMPACTED IN 6-INCH LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
15. EMBEDEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
16. VALVE AND HYDRANT OPERATIONS SHALL BE SET ON EACH GATE VALVE. AFTER THE FINAL CLEAN-UP AND ALIGNMENT HAS BEEN COMPLETED, THE UTILITY CONTRACTOR SHALL POUR A 24"x24"x6" CONCRETE BLOCK AROUND ALL VALVE BOX TOPS LEVEL WITH THE FINISHED GRADE.
17. CONTRACTOR SHALL RECONNECT ALL EXISTING SERVICES AND MAINTAIN EXISTING SERVICES THROUGHOUT CONSTRUCTION.
18. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

FIRE PROTECTION NOTES

- AT THE CONCLUSION OF CONSTRUCTION AND AS PART OF THE PROCESS FOR THE CITY TO ACCEPT THIS PHASE, THE FIRE HYDRANTS SHALL BE FLOWED AND TESTED AND A COPY OF THE REPORT SHALL BE EMAILED INTO THE FIRE DEPARTMENT AND THE HYDRANTS SHALL BE PAINTED AND COLOR CODED. WITH ALL SUCH APPLICABLE STANDARD SPECIFICATIONS.
A. ALL PRIVATE HYDRANT BARRELS WILL BE PAINTED RED WITH THE BONNET PAINTED USING THE HYDRANT FLOW STANDARD IN PARAGRAPH C OF THIS SECTION TO INDICATE FLOW. IT WILL BE THE CUSTOMER'S RESPONSIBILITY TO TEST AND MAINTAIN THEIR PRIVATE FIRE HYDRANTS.
B. ALL PRIVATE FIRE HYDRANTS SHOULD BE TESTED ANNUALLY AND SHALL BE COLOR CODED TO INDICATE THE EXPECTED FIRE FLOW FROM THE HYDRANT DURING NORMAL OPERATION. SUCH COLOR APPLYING TO THE FIRE HYDRANT BY PAINTING THE BONNET THE APPROPRIATE COLOR FOR THE EXPECTED FLOW.
C. HYDRANT FLOW CODING STANDARDS.
FLOW GREATER THAN 1500 GPM COLOR BLUE
1000 TO 1500 GPM GREEN
500 TO 999 GPM ORANGE
LESS THAN 500 GPM RED
NOT WORKING BLACK OR BAGGED

PAVING GENERAL NOTES

- 1. ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL CONCRETE SHALL CONFORM TO CITY OF CEDAR PARK STANDARDS, UNLESS OTHERWISE SHOWN ON THESE PLANS, STATED IN STANDARD CITY SPECIFICATIONS OR STATED IN TxDOT STANDARD SPECIFICATION.
3. SUBGRADE PREPARATION IN RIGHT OF WAY SHALL CONFORM TO STANDARD CITY SPECIFICATIONS OR TxDOT STANDARD SPECIFICATIONS.
4. ALL FILL PLACED UNDER PAVING SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 6 INCH LIFTS, UNLESS OTHERWISE NOTED, OR STATED IN GEOTECH REPORT. REFER TO STRUCTURAL SPECIFICATIONS FOR FILL PLACED BENEATH BUILDING AREAS. ALL OTHER FILL AREAS TO BE COMPACTED TO 90% STANDARD PROCTOR.
5. THE CONTRACTOR SHALL SUBMIT A JOINT SPACING PLAN TO THE ENGINEER FOR APPROVAL. EXPANSION JOINT SPACING SHALL BE 90" MAXIMUM EACH WAY WITH NO KEYS AND SAVED DUMMY JOINTS SHALL BE 15' EACH WAY, UNLESS OTHERWISE NOTED.
6. TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED AT THE END OF EACH DAY'S PAVING AND WHERE INTERRUPTIONS SUSPEND OPERATIONS FOR 30 MINUTES OR MORE.
7. ALL PAVING TO BE REMOVED SHALL BE SAWCUT TO A NEAT LINE, MINIMUM 1-1/2" DEEP, AND THE PAVEMENT REMOVED IN SUCH A MANNER AS TO PRESERVE THE EXISTING TRANSVERSE REINFORCING STEEL TO THE MAXIMUM EXTENT POSSIBLE.
8. ALL CURB AND GUTTER SHALL BE INTEGRAL WITH THE PAVEMENT AND HAVE THE SAME COMPRESSIVE STRENGTH.
9. PAVEMENT REINFORCEMENT SHALL BE #3 BARS, SPACED AT 18 INCHES CENTER TO CENTER EACH WAY EXCEPT WHERE OTHERWISE NOTED IN THE PLANS OR GEOTECH REPORT.
10. BAR LAPS SHALL BE 30 DIAMETERS IN LENGTH.
11. ALL STRIPES SHALL BE 4 INCHES WIDE UNLESS OTHERWISE NOTED.
12. INSTALLATION AND PLACEMENT OF IRRIGATION SLEEVES AND UTILITY CONDUITS SHALL BE IN ACCORDANCE WITH LANDSCAPE ARCHITECT AND MEAS PLANS. CONTRACTOR TO VERIFY ALL SLEEVES HAVE BEEN PLACED PRIOR TO PAVING BEING PLACED.
13. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.

FIRE PROTECTION NOTES

- 1. APPROVAL OF THIS SITE PLAN DOES NOT IMPLY APPROVAL TO INSTALL UNDERGROUND FIRE LINES. PRIOR TO INSTALLATION OF UNDERGROUND FIRE LINES, A SEPARATE PERMIT SHALL BE SUBMITTED UNDER GROUND FIRE LINE SUPPLY.
2. BACKFLOW PROTECTION WILL BE PROVIDED IN ACCORDANCE WITH THE CITY OF CEDAR PARK REQUIREMENTS WHEN REQUIRED. BACKFLOW PROTECTION WILL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED IN THE UTILITY DRAWINGS.
3. ALL PRIVATE FIRE LINES AND WHAT THEY PROVIDE SERVICE TO WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24 INSTALLATION OF PRIVATE SERVICE MAINS AND THEIR APPURTENANCES.
4. ALL TEES, PLUGS, CAPS, BENDS, REDUCERS, VALVES SHALL BE RESTRAINED AGAINST MOVEMENT. THRUST BLOCKING WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24.
5. ALL UNDERGROUND SHALL REMAIN UNCOVERED UNTIL A VISUAL INSPECTION IS CONDUCTED BY THE GEOTECHNICAL FIRE MARSHAL'S OFFICE (FMO). ALL JOINTS AND THRUST BLOCKING SHALL BE UNCOVERED FOR VISUAL INSPECTION.
6. ALL UNDERGROUND SHALL BE FULSHED PER THE REQUIREMENTS OF NFPA STANDARD 24 AND WITNESSED BY CEDAR PARK FMO.
7. ALL UNDERGROUND SHALL REMAIN UNCOVERED UNTIL A VISUAL INSPECTION IS CONDUCTED BY THE GEOTECHNICAL FIRE MARSHAL'S OFFICE (FMO). ALL JOINTS AND THRUST BLOCKING SHALL BE UNCOVERED FOR VISUAL INSPECTION.
8. ATTACHMENTS SUBMITTED TO SYSTEM WORKING PRESSURE SHALL BE TESTED AT 200 PSI OR 50 PSI IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE + OR - 5 PSI FOR 2 HOURS.
9. FENCES, LANDSCAPING AND OTHER ITEMS WILL NOT BE INSTALLED WITHIN 3 FT, AND WHERE THEY WILL OBSTRUCT THE VISIBILITY OR ACCESS TO HYDRANTS, OR REMOTE AREAS.
10. LICENSE REQUIREMENTS OF EITHER RME OR G, OR WHEN CONNECTING BY UNDERGROUND TO THE WATER PURVEYORS MAIN FROM THE POINT OF CONNECTION OR VALVE WHERE THE PRIMARY PURPOSE OF WATER IS FOR FIRE PROTECTION SPRINKLER SYSTEM.

- (ii) A BARREL SECTION LENGTH MUST EQUAL AT LEAST 75% OF THE INSIDE DIAMETER OF A PIPE.
(iv) EACH SIZE MANDREL MUST USE A SEPARATE PROVING RING.
(c) METHOD OPTIONS
(i) AN ADJUSTABLE OR FLEXIBLE MANDREL IS PROHIBITED.
(ii) A TEST MAY NOT USE TELEVISION INSPECTION AS A SUBSTITUTE FOR A DEFLECTION TEST.
(iii) IF REQUESTED, THE EXECUTIVE DIRECTOR MAY APPROVE THE USE OF A DEFLECTOMETER OR A MANDREL WITH REMOVABLE LEGS OR RUNNERS ON A CASE-BY-CASE BASIS.
(2) FOR A GRAVITY COLLECTION SYSTEM PIPE WITH AN INSIDE DIAMETER 27 INCHES AND GREATER, OTHER TEST METHODS MAY BE USED TO DETERMINE VELOCITY DEFLECTION.
(3) A DEFLECTION TEST METHOD MUST BE ACCURATE TO WITHIN PLUS OR MINUS 0.2% DEFLECTION.
(4) AN OWNER SHALL NOT CONDUCT A DEFLECTION TEST UNTIL AT LEAST 30 DAYS AFTER THE FINAL BACKFILL.
(5) GRAVITY COLLECTION SYSTEM PIPE DEFLECTION MUST NOT EXCEED FIVE PERCENT (5%).
(6) IF A PIPE SECTION FAILS A DEFLECTION TEST, AN OWNER SHALL CORRECT THE PROBLEM AND CONDUCT A SECOND TEST AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS.
16. ALL MANHOLES MUST BE TESTED TO MEET OR EXCEED THE REQUIREMENTS OF 30 TAC §217.58.
(6) ALL MANHOLES MUST PASS A LEAKAGE TEST.
(a) AN OWNER SHALL TEST EACH MANHOLE (AFTER ASSEMBLY AND BACKFILLING) FOR LEAKAGE, SEPARATE AND INDEPENDENT OF THE COLLECTION SYSTEM PIPES, BY HYDROSTATIC EXFILTRATION TESTING, VACUUM TESTING, OR OTHER METHOD APPROVED BY THE EXECUTIVE DIRECTOR.
(1) HYDROSTATIC TESTING.
(a) THE MAXIMUM LEAKAGE FOR HYDROSTATIC TESTING OR ANY ALTERNATIVE TEST METHODS IS 0.025 GALLONS PER FOOT DIAMETER PER FOOT OF MANHOLE DEPTH PER HOUR.
(b) TO PERFORM A HYDROSTATIC EXFILTRATION TEST, AN OWNER SHALL SEAL ALL WASTEWATER PIPES COMING INTO A MANHOLE WITH AN INTERNAL PIPE PLUG, FILL THE MANHOLE WITH WATER, AND MAINTAIN THE TEST FOR AT LEAST ONE HOUR.
(c) A TEST FOR CONCRETE MANHOLES MAY USE A 24-HOUR WETTING PERIOD BEFORE TESTING TO ALLOW SATURATION OF THE CONCRETE.
(2) VACUUM TESTING.
(a) TO PERFORM A VACUUM TEST, AN OWNER SHALL PLUG ALL LIFT HOLES AND EXTERIOR JOINTS WITH A NON-SHRINK GROUT AND PLUG ALL PIPES ENTERING A MANHOLE.
(b) NO GROUT MUST BE PLACED IN HORIZONTAL JOINTS BEFORE TESTING.
(c) STUB-OUTS, MANHOLE BOOTS, AND PIPE PLUGS MUST BE SECURED TO PREVENT MOVEMENT WHILE A VACUUM IS DRAWN.
(d) AN OWNER SHALL USE A MINIMUM 60 COVER TO THE TOP OF A MANHOLE.
(e) A TEST HEAD MUST BE PLACED AT THE INSIDE OF THE TOP OF A CONE SECTION, AND THE SEAL INFLATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
(f) THERE MUST BE A VACUUM OF 10 INCHES OF MERCURY INSIDE A MANHOLE TO PERFORM A VALID TEST.
(g) A TEST DOES NOT BEGIN UNTIL AFTER THE VACUUM PUMP IS OFF.
(h) A MANHOLE IS PASSED THE TEST IF AFTER 20 MINUTES AND WITH ALL VALVES CLOSED, THE VACUUM IS AT LEAST 9.0 INCHES OF MERCURY.
17. ALL PRIVATE SERVICE LATERALS MUST BE INSPECTED AND CERTIFIED IN ACCORDANCE WITH 30 TAC §213.5(C)(3)(I). AFTER INSTALLATION OF AND, PRIOR TO COVERING AND CONNECTING A PRIVATE SERVICE LATERAL TO AN EXISTING ORGANIZED SEWAGE COLLECTION SYSTEM, A TEXAS LICENSED PROFESSIONAL ENGINEER, TEXAS REGISTERED SANITARIAN, OR APPROPRIATE CITY INSPECTOR MUST VISUALLY INSPECT THE PRIVATE SERVICE LATERAL AND THE CONNECTION TO THE SEWAGE COLLECTION SYSTEM, AND CERTIFY THAT IT IS CONSTRUCTED IN CONFORMITY WITH THE APPLICABLE STANDARD RECORD DRAWINGS. THE COLLECTION SYSTEM MUST MAINTAIN SUCH CERTIFICATIONS FOR FIVE YEARS AND FORWARD COPIES TO THE APPROPRIATE REGIONAL OFFICE UPON REQUEST. CONNECTIONS MAY ONLY BE MADE TO AN APPROVED SEWAGE COLLECTION SYSTEM.

GENERAL NOTES

- 1. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS OR THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY THE CITY OF GEORGETOWN STANDARD CONSTRUCTION SPECIFICATIONS.
2. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL BE FAMILIAR WITH THE PLANS, ALL NOTES, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY THE CITY OF GEORGETOWN STANDARD CONSTRUCTION SPECIFICATIONS, AND ANY OTHER APPLICABLE STANDARDS AND SPECIFICATIONS RELEVANT TO THE PROPER COMPLETION OF THE WORK SPECIFIED. FAILURE ON THE PART OF THE CONTRACTOR TO BE FAMILIAR WITH ALL STANDARDS AND SPECIFICATIONS PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY OF PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH APPLICABLE STANDARD SPECIFICATIONS.
3. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY ELEVATIONS SHOWN AND ENSURE THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSINGS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR TO VERIFY SIZE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL MANHOLES, CLEANOUTS, VALVE BOXES, AND FIRE HYDRANTS, ETC. CONTRACTOR TO ADJUST TO PROPER LINE AND GRADE PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING AND GRADING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING THE CONSTRUCTION OF THE PAVING FOR THIS DEVELOPMENT.
5. 1. PROTECT AND MAINTAIN ROADWAY TRAFFIC THROUGHOUT THE PROJECT, PROVIDING A MINIMUM OF ONE (1) LANE OPEN IN EACH DIRECTION.
2. PROVIDE AND MAINTAIN INTERIM ACCESS FROM ROADWAYS CURRENTLY IN USE TO ALL DRIVEWAYS AND INTERSECTING STREETS OR ALLEYS.
5.3. MAINTAIN NORMAL PROJECT DRAINAGE UNTIL NEW DRAINAGE FACILITIES ARE FUNCTIONAL, INCLUDING, WHERE NECESSARY, INTERIM REPLACEMENT OF EXISTING DRAINAGE STRUCTURES REMOVED FOR CONSTRUCTION OF NEW DRAINAGE FACILITIES.
5.4. MAINTAIN ALL WORK AND MATERIAL STORAGE AREAS IN ORDERLY CONDITION, FREE OF DEBRIS AND WASTE, ON COMPLETION OF CONSTRUCTION, CLEAN UP THE PROJECT AND ADJACENT AFFECTED AREAS TO ACCEPTABLE CONDITION, ALL AS PROVIDED IN THE GENERAL CONDITIONS.
6. PRIOR TO COMMENCEMENT OF CONSTRUCTION, BONDS AND THREE-WAY CONTRACTS SHALL BE SUBMITTED TO THE CITY AS REQUIRED.
7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
8. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
9. REFER TO ARCHITECTURAL PLANS FOR DETAILED BUILDING ENTRANCE LAYOUTS, RAMP, LANDSCAPE, AND SIDEWALKS.
10. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.
11. EXACT SAWCUT PAVEMENT REMOVAL AND PLACEMENT LIMITS WITHIN THE PUBLIC RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH THE CITY PAVEMENT REPAIR MANUAL AND INCLUDED IN THE BASE BID.

DEMOLITION GENERAL NOTES

- 1. CONTRACTOR IS TO REVIEW ALL GENERAL NOTES PRIOR TO BEGINNING WORK.
2. REMOVE ALL EXISTING PAVEMENT AND STRUCTURES WITHIN THE LIMITS OF DEMOLITION UNLESS OTHERWISE NOTED.
3. SAWCUT AND REMOVE ALL EXISTING DRIVE APPROACHES (WITHIN THE LIMITS OF DEMOLITION) TWO FEET FROM BACK OF CURB: SIDEWALKS, PAVEMENT, AND UTILITIES WITHIN THE PUBLIC RIGHT-OF-WAY ARE TO REMAIN UNLESS OTHERWISE NOTED.
4. CONSULT THE DIMENSIONAL CONTROL PLAN. VERIFY THE PORTION OF EXISTING CONCRETE CURBS AND PAVEMENT WHICH ARE TO REMAIN.
5. COORDINATE WITH LOCAL POWER, TELEPHONE, CABLE, AND GAS COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES.
6. ALL UTILITIES SHOULD BE CUT AND PLUGGED IN ACCORDANCE WITH THEIR RESPECTIVE UTILITY COMPANY REQUIREMENTS AND PRIOR TO DEMOLITION OF THE EXISTING BUILDINGS.
7. CONTRACTOR TO PLUG ALL EXISTING EXPOSED ENDS OF ABANDONED UTILITIES.
8. CONTRACTOR TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND, IF REQUIRED, RECONNECT TO PROPOSED UTILITIES.
9. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ALL THE UNSUITABLE MATERIALS FROM THE PROJECT SITE. CONTRACTOR SHALL CONTACT ALL LOCAL AUTHORITIES TO DETERMINE DISPOSAL REQUIREMENTS.
10. ALL TREES ON THE PROPERTY SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS UNLESS OTHERWISE NOTED. THE TREE PROTECTION SHALL BE PLACED AROUND TREES PRIOR TO ANY DEMOLITION OR GRADING. TREE PROTECTION SHALL REMAIN UNTIL ALL WORK IS COMPLETED. REFER TO LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION DETAILS.
11. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON AT THE OWNER'S DIRECTION. ROOTS EXPOSED AND/OR DAMAGED DURING DEMOLITION AND/OR GRADING OPERATIONS SHALL BE CUT OFF CLEARLY INSIDE THE EXPOSED OR DAMAGED AREA. CUT SURFACES PAINTED WITH AN APPROVED TREE PAINT, AND TOPSOIL AND MULCH PLACED OVER THE EXPOSED ROOT AREA IMMEDIATELY.
12. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION CONTROL MEASURES ON THE SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS UNTIL THE SITE HAS BEEN STABILIZED. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL DISTURBED AREAS TO ALLOW FOR POSITIVE DRAINAGE. GRADING SLOPES ARE NOT TO EXCEED 3:1.
13. AREAS EXCAVATED FOR FOUNDATION OR UNDERGROUND STRUCTURE DEMOLITION SHALL BE BACK-FILLED AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
14. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE DURING DEMOLITION ACTIVITIES AND UNTIL SUBSTANTIAL COMPLETION.
15. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY CITY STANDARD CONSTRUCTION SPECIFICATIONS.
16. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITY MAINS, MANHOLES, CLEANOUTS, VALVE BOXES, AND FIRE HYDRANTS, ETC. IN THE AREA OF DEMOLITION.
17. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
18. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.
19. CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT AND ACCESS TO FIRE HYDRANTS ON SITE UNTIL THE BUILDINGS AND STRUCTURES IN THAT AREA HAVE BEEN DEMOLISHED AND REMOVED.
20. CONTRACTOR WILL PROVIDE ON-SITE PARKING FOR WORKERS. VEHICLE PARKING WILL NOT BE ALLOWED WITHIN THE PUBLIC RIGHT-OF-WAY.
21. CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ADEQUATE DUST CONTROL MEASURES DURING DEMOLITION ACTIVITIES.
22. CONTRACTOR IS TO COORDINATE DEMOLITION ACTIVITIES WITH THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR'S ACTIVITIES, IF APPLICABLE.
23. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL TEMPORARY UTILITY SERVICES REQUIRED TO COMPLETE THE SCOPE OF WORK.

- 12. NEW SEWAGE COLLECTION SYSTEM LINES MUST BE CONSTRUCTED WITH STUB OUTS FOR THE CONNECTION OF ANTICIPATED EXTENSIONS. THE LOCATION OF SUCH STUB OUTS MUST BE MARKED ON THE GROUND SUCH THAT THEIR LOCATION CAN BE EASILY DETERMINED AT THE TIME OF CONNECTION OF THE EXTENSIONS. SUCH STUB OUTS MUST BE MANUFACTURED WYES OR TEES THAT ARE COMPATIBLE IN SIZE AND MATERIAL WITH BOTH THE SEWER LINE AND THE EXTENSION. AT THE TIME OF ORIGINAL CONSTRUCTION, NEW STUB-OUTS MUST BE CONSTRUCTED SUFFICIENTLY TO EXTEND BEYOND THE END OF THE STREET PAVEMENT. ALL STUB-OUTS MUST BE SEALED WITH A MANUFACTURED CAP TO PREVENT LEAKAGE. EXTENSIONS THAT WERE NOT ANTICIPATED AT THE TIME OF ORIGINAL CONSTRUCTION OR THAT ARE TO BE CONNECTED TO AN EXISTING SEWER LINE NOT FURNISHED WITH STUB OUTS MUST BE CONNECTED USING A MANUFACTURED SADDLE AND IN ACCORDANCE WITH ACCEPTED PLUMBING TECHNIQUES.
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IF NO STUB-OUT IS PRESENT AN ALTERNATE METHOD OF JOINING LATERALS IS SHOWN IN THE DETAIL ON PLAN SHEET ___ OF ___. (FOR POTENTIAL FUTURE LATERALS).
THE PRIVATE SERVICE LATERAL STUB-OUTS MUST BE INSTALLED AS SHOWN ON THE PLAN AND PROFILE SHEETS ON PLAN SHEET ___ OF ___. AND MARKED AFTER BACKFILLING AS SHOWN IN THE DETAIL ON PLAN SHEET ___ OF ___.
13. TRENCHING, BEDDING AND BACKFILL MUST CONFORM WITH 30 TAC §217.54. THE BEDDING AND BACKFILL FOR FLEXIBLE PIPE MUST COMPLY WITH THE STANDARDS OF ASTM D-2321, CLASSES IA, IB, II OR III. RIGID PIPE BEDDING MUST COMPLY WITH THE REQUIREMENTS OF ASTM C 12 (ANSI A 106.2) CLASSES A, B OR C.
14. SEWER LINES MUST BE TESTED FROM MANHOLE TO MANHOLE. WHEN A NEW SEWER LINE IS CONNECTED TO AN EXISTING STUB OR CLEAN-OUT, IT MUST BE TESTED FROM EXISTING MANHOLE TO NEW MANHOLE. IF A STUB OR CLEAN-OUT IS USED AT THE END OF THE PROPOSED SEWER LINE, NO PRIVATE SERVICE ATTACHMENTS MAY BE CONNECTED BETWEEN THE LAST MANHOLE AND THE CLEAN-OUT UNLESS IT CAN BE CERTIFIED AS CONFORMING WITH THE PROVISIONS OF 30 TAC §213.5(C)(3)(E).
15. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH 30 TAC §217.57. THE ENGINEER MUST RETAIN COPIES OF ALL TEST RESULTS WHICH MUST BE MADE AVAILABLE TO THE EXECUTIVE DIRECTOR UPON REQUEST. THE ENGINEER MUST CERTIFY IN WRITING THAT ALL WASTEWATER LINES HAVE PASSED ALL REQUIRED TESTING TO THE APPROPRIATE REGIONAL OFFICE WITHIN 30 DAYS OF TEST COMPLETION AND PRIOR TO USE OF THE NEW COLLECTION SYSTEM. TESTING METHOD WILL BE:
(A) FOR A COLLECTION SYSTEM PIPE THAT WILL TRANSPORT WASTEWATER BY GRAVITY FLOW, THE DESIGN MUST SPECIFY AN INFILTRATION AND EXFILTRATION TEST OR A LOW-PRESSURE AIR TEST. A TEST MUST CONFORM TO THE FOLLOWING REQUIREMENTS:
(I) LOW PRESSURE AIR TEST
(A) A LOW PRESSURE AIR TEST MUST FOLLOW THE PROCEDURES DESCRIBED IN AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) -G828, ASTM C924, OR ASTM F-1417 OR OTHER PROCEDURE APPROVED BY THE EXECUTIVE DIRECTOR, EXCEPT AS TO TESTING TIMES AS REQUIRED IN TABLE C.3 IN SUBPARAGRAPH (C) OF THIS PARAGRAPH OR EQUATION C.3 IN SUBPARAGRAPH (B)(II) OF THIS PARAGRAPH.
(B) FOR SECTIONS OF COLLECTION SYSTEM PIPE LESS THAN 36 INCH AVERAGE INSIDE DIAMETER, THE FOLLOWING PROCEDURE MUST APPLY, UNLESS A PIPE IS TO BE TESTED AS REQUIRED BY PARAGRAPH (2) OF THIS SUBSECTION.
(I) A PIPE MUST BE PRESSURIZED TO 3.5 POUNDS PER SQUARE INCH (PSI) GREATER THAN THE PRESSURE EXERTED BY GROUNDWATER ABOVE THE PIPE.
(II) ONCE THE PRESSURE IS STABILIZED, THE MINIMUM TIME ALLOWABLE FOR THE PRESSURE TO DROP FROM 3.5 PSI GAUGE TO 2.5 PSI GAUGE IS COMPUTED FROM THE FOLLOWING EQUATION:
EQUATION C.3
T = (0.085 * D * K) / Q
WHERE:
T = TIME FOR PRESSURE TO DROP 1.0 POUND PER SQUARE INCH GAUGE IN SECONDS
K = 0.000419 X D X L, BUT NOT LESS THAN 1.0
D = AVERAGE INSIDE PIPE DIAMETER IN INCHES
L = LENGTH OF LINE OF SAME SIZE BEING TESTED, IN FEET
Q = RATE OF LOSS, 0.0015 CUBIC FEET PER MINUTE PER SQUARE FOOT INTERNAL SURFACE
(C) SINCE A K VALUE OF LESS THAN 1.0 MAY NOT BE USED, THE MINIMUM TESTING TIME FOR EACH PIPE DIAMETER IS SHOWN IN THE FOLLOWING TABLE C.3:

Table with 4 columns: PIPE DIAMETER(INCHES), MINIMUM TIME (SECONDS), MAXIMUM LENGTH FOR MINIMUM TIME (FEET), TIME FOR LONGER LENGTH (SECONDS/FOOT). Rows include diameters 6, 8, 10, 12, 15, 18, 21, 24, 30, 36, 42, 48, 60, 72, 90, 108, 120, 144, 180, 216, 270, 360, 432, 540, 648, 720, 864, 1080, 1296, 1620, 2160, 2592, 3240, 3960, 4752, 5832, 7200, 8712, 10800, 13068, 16200, 19584, 24300, 29520, 36360, 44160, 54000, 65880, 81000, 99360, 122400, 150960, 185400, 229680, 283200, 350400, 432000, 529200, 654000, 806400, 993600, 1224000, 1509600, 1854000, 2296800, 2832000, 3504000, 4320000, 5292000, 6540000, 8064000, 9936000, 12240000, 15096000, 18540000, 22968000, 28320000, 35040000, 43200000, 52920000, 65400000, 80640000, 99360000, 122400000, 150960000, 185400000, 229680000, 283200000, 350400000, 432000000, 529200000, 654000000, 806400000, 993600000, 1224000000, 1509600000, 1854000000, 2296800000, 2832000000, 3504000000, 4320000000, 5292000000, 6540000000, 8064000000, 9936000000, 12240000000, 15096000000, 18540000000, 22968000000, 28320000000, 35040000000, 43200000000, 52920000000, 65400000000, 80640000000, 99360000000, 122400000000, 150960000000, 185400000000, 229680000000, 283200000000, 350400000000, 432000000000, 529200000000, 654000000000, 806400000000, 993600000000, 1224000000000, 1509600000000, 1854000000000, 2296800000000, 2832000000000, 3504000000000, 4320000000000, 5292000000000, 6540000000000, 8064000000000, 9936000000000, 12240000000000, 15096000000000, 18540000000000, 22968000000000, 28320000000000, 35040000000000, 43200000000000, 52920000000000, 65400000000000, 80640000000000, 99360000000000, 122400000000000, 150960000000000, 185400000000000, 229680000000000, 283200000000000, 350400000000000, 432000000000000, 529200000000000, 654000000000000, 806400000000000, 993600000000000, 1224000000000000, 1509600000000000, 1854000000000000, 2296800000000000, 2832000000000000, 3504000000000000, 4320000000000000, 5292000000000000, 6540000000000000, 8064000000000000, 9936000000000000, 12240000000000000, 15096000000000000, 18540000000000000, 22968000000000000, 28320000000000000, 35040000000000000, 43200000000000000, 52920000000000000, 65400000000000000, 80640000000000000, 99360000000000000, 122400000000000000, 150960000000000000, 185400000000000000, 229680000000000000, 283200000000000000, 350400000000000000, 432000000000000000, 529200000000000000, 654000000000000000, 806400000000000000, 993600000000000000, 1224000000000000000, 1509600000000000000, 1854000000000000000, 2296800000000000000, 2832000000000000000, 3504000000000000000, 4320000000000000000, 5292000000000000000, 6540000000000000000, 8064000000000000000, 9936000000000000000, 12240000000000000000, 15096000000000000000, 18540000000000000000, 22968000000000000000, 28320000000000000000, 35040000000000000000, 43200000000000000000, 52920000000000000000, 65400000000000000000, 80640000000000000000, 99360000000000000000, 122400000000000000000, 150960000000000000000, 185400000000000000000, 229680000000000000000, 283200000000000000000, 350400000000000000000, 432000000000000000000, 529200000000000000000, 654000000000000000000, 806400000000000000000, 993600000000000000000, 1224000000000000000000, 1509600000000000000000, 1854000000000000000000, 2296800000000000000000, 2832000000000000000000, 3504000000000000000000, 4320000000000000000000, 5292000000000000000000, 6540000000000000000000, 8064000000000000000000, 9936000000000000000000, 12240000000000000000000, 15096000000000000000000, 18540000000000000000000, 22968000000000000000000, 28320000000000000000000, 35040000000000000000000, 43200000000000000000000, 52920000000000000000000, 65400000000000000000000, 8

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTIVE FENCING, AND CONDUCT "PRE-CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. THE COA ESC PLAN SHALL BE CONSULTED AND USED AS THE BASIS FOR A TPDES REQUIRED SWPPP. IF A SWPPP IS REQUIRED, IT SHALL BE AVAILABLE FOR REVIEW BY THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR AT ALL TIMES DURING CONSTRUCTION, INCLUDING AT THE PRE-CONSTRUCTION MEETING. THE CHECKLIST BELOW CONTAINS THE BASIC ELEMENTS THAT SHALL BE REVIEWED FOR PERMIT APPROVAL BY COA EV PLAN REVIEWERS AS WELL AS COA EV INSPECTORS.
3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTION MEASURES AND "PRE-CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE DEVELOPMENT SERVICES DEPARTMENT, 512-401-5100 OR BY EMAIL AT PERMITS@CEDARPARKTEXAS.GOV, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE. COA APPROVED ESC PLAN AND TPDES SWPPP (IF REQUIRED) SHOULD BE REVIEWED BY COA EV INSPECTOR AT THIS TIME.
5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY AUTHORIZED CEDAR PARK STAFF. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
6. THE CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED INSPECTOR THAT IS EITHER A LICENSED ENGINEER (OR PERSON DIRECTLY SUPERVISED BY THE LICENSED ENGINEER) OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC OR CPESC - IT), CERTIFIED EROSION, SEDIMENT AND STORMWATER - INSPECTOR (CESSWI OR CESSWI - IT) OR CERTIFIED INSPECTOR OF SEDIMENTATION AND EROSION CONTROLS (CISEC OR CISEC - IT) CERTIFICATION TO INSPECT THE CONTROLS AND FENCES AT WEEKLY OR BI-WEEKLY INTERVALS AND AFTER ONE-HALF (½) INCH OR GREATER RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES OR ONE-THIRD (⅓) OF THE INSTALLED HEIGHT OF THE CONTROL WHICHEVER IS LESS.
7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS: ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY OF CEDAR PARK ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION. IN ADDITION, IF THE PROJECT SITE IS LOCATED WITHIN THE EDWARDS AQUIFER, THE PROJECT MANAGER MUST NOTIFY THE TRAVIS COUNTY BALCONES CANYONLANDS CONSERVATION PRESERVE (BCCP) BY EMAIL AT BCCP@TRAVISCOUNTYTX.GOV. CONSTRUCTION ACTIVITIES WITHIN 50 FEET OF THE VOID MUST STOP.
9. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW:
 - A. ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 601S.3(A)]. DO NOT ADD TOPSOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.

TOPSOIL SALVAGED FROM THE EXISTING SITE IS ENCOURAGED FOR USE, BUT IT SHOULD MEET THE STANDARDS SET FORTH IN 601S.
 AN OWNER/ENGINEER MAY PROPOSE USE OF ONSITE SALVAGED TOPSOIL WHICH DOES NOT MEET THE CRITERIA OF STANDARD SPECIFICATION 601S BY PROVIDING A SOIL ANALYSIS AND A WRITTEN STATEMENT FROM A QUALIFIED PROFESSIONAL IN SOILS, LANDSCAPE ARCHITECTURE, OR AGRONOMY INDICATING THE ONSITE TOPSOIL WILL PROVIDE AN EQUIVALENT GROWTH MEDIA AND SPECIFYING WHAT, IF ANY, SOIL AMENDMENTS ARE REQUIRED.

SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ONSITE TOPSOIL WITH A DISC OR TILLER TO CREATE A WELL-BLENDED MATERIAL.
 THE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS:

TEMPORARY VEGETATIVE STABILIZATION:

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH OR INCLUDE A COOL SEASON COVER CROP: (WESTERN WHEATGRASS (*PASCOPYRUM SMITHII*) AT 5.6 POUNDS PER ACRE, OATS (*AVEANA SATIVA*) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRAIN (*SECALE CEREALE*) AT 45 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY SEED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT UTILIZE ANNUAL RYEGRASS (*LOLIUM MULTIFLORUM*) OR PERENNIAL RYEGRASS (*LOLIUM PERENNE*). COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE OR A NATIVE PLANT SEED MIX CONFORMING TO ITEM 604S OR 609S.
 - A. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST AND SHALL CONFORM TO ITEM NO. 606S, FERTILIZER. FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SLOW PLANT GROWTH OR DORMANCY. CHEMICAL FERTILIZER MAY NOT BE APPLIED IN THE CRITICAL WATER QUALITY ZONE.
 - B. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW.
 - C. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1½ INCHES HIGH WITH A MINIMUM OF 95% TOTAL COVERAGE SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR TEMPORARY STABILIZATION ARE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
 - D. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, AND STANDARD SPECIFICATION 604S OR 609S.

TABLE 1: HYDROMULCHING FOR TEMPORARY VEGETATIVE STABILIZATION

MATERIAL DESCRIPTION LONGEVITY TYPICAL APPLICATIONS APPLICATION RATES 100% OR ANY BLEND OF WOOD, CELLULOSE, STRAW, AND/OR COTTON PLANT MATERIAL (EXCEPT NO MULCH SHALL EXCEED 30% PAPER) 70% OR GREATER
 WOOD/STRAW 30% OR LESS PAPER OR NATURAL FIBERS 0-3 MONTHS MODERATE SLOPES; FROM FLAT TO 3:1 1,500 TO 2,000 LBS PER ACRE

PERMANENT VEGETATIVE STABILIZATION:

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING IS CONSIDERED TO BE TEMPORARY STABILIZATION ONLY. IF COOL SEASON COVER CROPS EXIST WHERE PERMANENT VEGETATIVE STABILIZATION IS DESIRED, THE GRASSES SHALL BE MOWED TO A HEIGHT OF LESS THAN ONE-HALF (½) INCH AND THE AREA SHALL BE RE-SEEDED IN ACCORDANCE WITH TABLE 2 BELOW. ALTERNATIVELY, THE COOL SEASON COVER CROP CAN BE MIXED WITH BERMUDAGRASS OR NATIVE SEED AND INSTALLED TOGETHER, UNDERSTANDING THAT GERMINATION OF WARM-SEASON SEED TYPICALLY REQUIRES SOIL TEMPERATURES OF 60 TO 70 DEGREES.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE WITH A PURITY OF 95% AND A MINIMUM PURE LIVE SEED (PLS) OF 0.83. BERMUDA GRASS IS A WARM SEASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL. PERMANENT VEGETATIVE STABILIZATION CAN ALSO BE ACCOMPLISHED WITH A NATIVE PLANT SEED MIX CONFORMING TO ITEM 604S OR 609S.
 - A. FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST. SEE ITEM 606S, FERTILIZER. APPLICATIONS OF FERTILIZER (AND PESTICIDE) ON CITY-OWNED AND MANAGED PROPERTY REQUIRES THE YEARLY SUBMITTAL OF A PESTICIDE AND FERTILIZER APPLICATION RECORD, ALONG WITH A CURRENT COPY OF THE APPLICATOR'S LICENSE. FOR CURRENT COPY OF THE RECORD TEMPLATE CONTACT THE CITY OF AUSTIN'S IPM COORDINATOR.
 - B. HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.
 - C. WATER THE SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE GERMINATION AND A HEALTHY STAND OF PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SEEDBED IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH. ALL WATERING SHALL COMPLY WITH CITY CODE CHAPTER 6-4 (WATER CONSERVATION), AT RATES AND FREQUENCIES DETERMINED BY A LICENSED IRRIGATOR OR OTHER QUALIFIED PROFESSIONAL, AND AS ALLOWED BY THE AUSTIN WATER UTILITY AND CURRENT WATER RESTRICTIONS AND WATER CONSERVATION INITIATIVES.
 - D. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1½ INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX, AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
 - E. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, ITEMS 604S AND 609S.

TABLE 2: HYDROMULCHING FOR PERMANENT VEGETATIVE STABILIZATION

MATERIAL DESCRIPTION LONGEVITY TYPICAL APPLICATIONS APPLICATION RATES BONDED FIBER MATRIX (BFM) 80% ORGANIC DEFIBRATED FIBERS 10% TACKIFIER 6 MONTHS ON SLOPES UP TO 2:1 AND EROSIIVE SOIL CONDITIONS 2,500 TO 4,000 LBS PER ACRE (SEE MANUFACTURERS RECOMMENDATIONS) FIBER REINFORCED MATRIX (FRM) 65% ORGANIC DEFIBRATED FIBERS
 25% REINFORCING FIBERS OR LESS
 10% TACKIFIER UP TO 12 MONTHS ON SLOPES UP TO 1:1 AND EROSIIVE SOIL CONDITIONS 3,000 TO 4,500 LBS PER ACRE (SEE MANUFACTURERS RECOMMENDATIONS)

10. DEVELOPER INFORMATION:
 - OWNER MICHAEL THOMSON
 - PHONE # 801-600-5558
 - ADDRESS 50 E NORTH TEMPLE ST, SALT LAKE CITY, UT 84150
 - OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS: MICHAEL THOMSON
 - PHONE # 801-600-5558
 - PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE: MICHAEL THOMSON
 - PHONE # 801-600-5558
 - PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE: MICHAEL THOMSON
 - PHONE # 801-600-5558
11. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE DEVELOPMENT SERVICES DEPARTMENT AT 512-974-2278 AT LEAST 48 HOURS PRIOR WITH THE LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.



naylor wentworth lund
a r c h i t e c t s

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



Consultants

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

1801 EAST PARK STREET / CEDAR PARK, TEXAS
 DRAWING ISSUE DATE 10/18/2023
 SITE DEVELOPMENT PERMIT
 000626.01

DATE REVISION



2023-27-SD
 CITY APPROVAL STAMP

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EROSION CONTROL GENERAL NOTES

5

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LEGEND

- B₁ BOLLARD
- EM₁ ELECTRIC METER
- PP POWER POLE
- LS LIGHT STANDARD
- WM₁ WATER METER
- WV₁ WATER VALVE
- ICV₁ IRRIGATION CONTROL VALVE
- FC₁ FIRE HYDRANT
- CO CLEANOUT
- MH₁ MANHOLE
- TSC₁ TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TELE TELEPHONE BOX
- FL FLOOD LIGHT
- FP FLAG POLE
- SIG₁ TRAFFIC SIGN
- IRS 1/2-INCH IRON ROD
- W/PACHEDD KOCH[®] CAP SET CONTROLLING MONUMENT PROPERTY LINE
- (C.M.) FENCE
- OHL OVERHEAD UTILITY LINE
- FIBER FIBER OPTIC LINE
- 30" R.C.P. UNDERGROUND STORM LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND CABLE LINE
- 6" W UNDERGROUND WATER LINE
- 6" SS UNDERGROUND SANITARY SEWER LINE
- 612.39 EXIST SPOT ELEVATION
- 612.39 EXIST TOP OF CURB ELEVATION
- 611.29 EXIST GUTTER ELEVATION
- EXIST TREES TO BE DEMOLISHED

REFERENCE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION

ALL UNDERGROUND UTILITIES SHOULD BE LOCATED PRIOR TO CONSTRUCTION

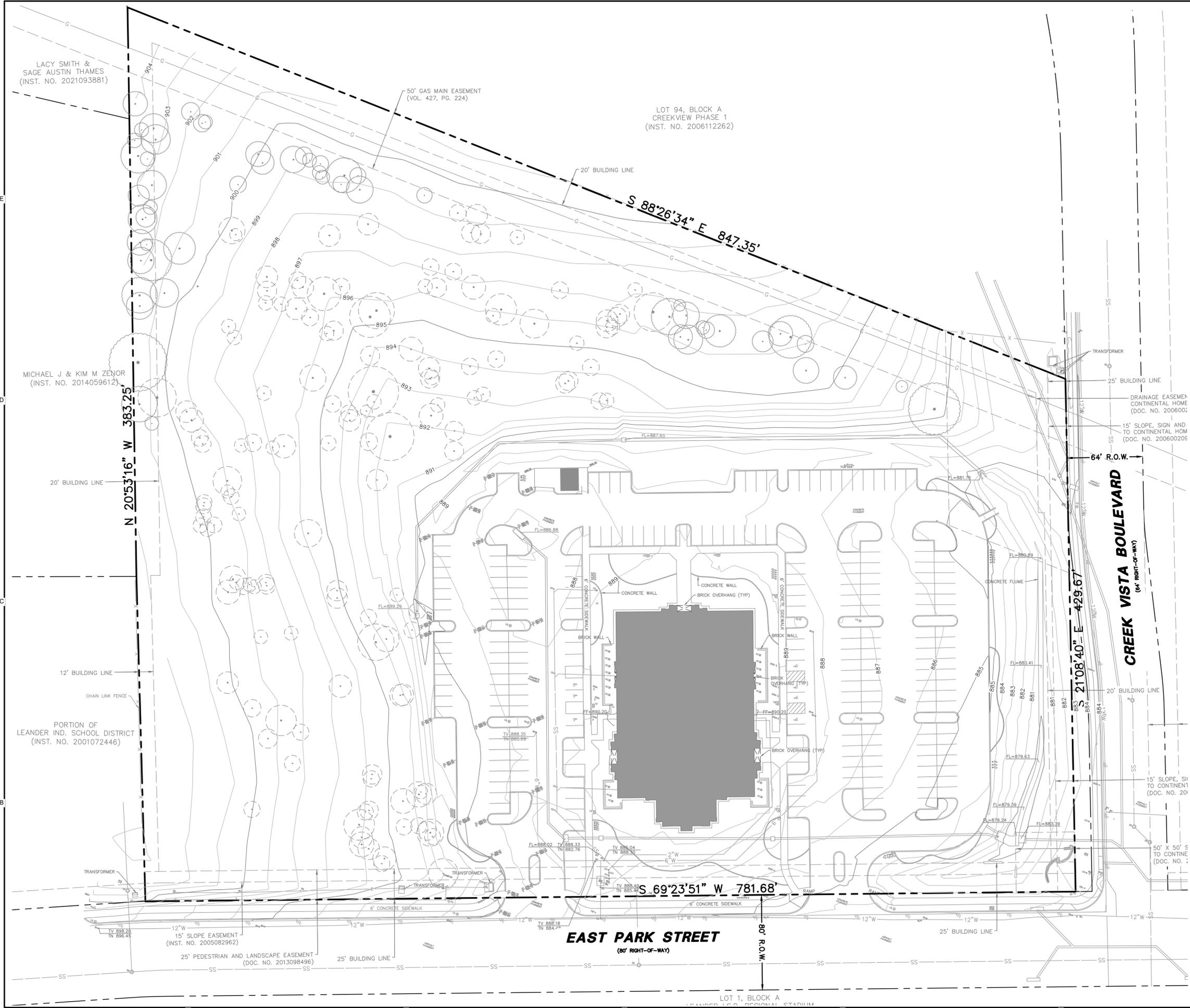
BENCH MARK LIST

- BM# 22 3' BRASS DISK IN CONCRETE, STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITSTONE BLVD. (FM 1431), LOOKING NORTH.
NORTHING=10165081.83'
EASTING=3092268.19'
ELEV=915.4'
- BM# 42 3' BRASS DISK IN CONCRETE, STANDING ON NORTH ROW OF S LYNNWOOD TRAIL, WEST OF TALLOW TRAIL, LOOKING SOUTHEAST TOWARDS FOREST OAK PARK PLAYGROUND
NORTHING=10157771.28'
EASTING=3092926.38'
ELEV=884.6'
- BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHEAST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.
NORTHING=10161606.90'
EASTING=3095705.22'
ELEV=895.09'
- BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHEAST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.
NORTHING=10161621.24'
EASTING=3095544.53'
ELEV=898.64'
- BM# 3 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER.
NORTHING=10161742.13'
EASTING=3095845.30'
ELEV=890.16'
- BM# 4 1/2-INCH IRON ROD WITH RED CAP SET LOCATED NORTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS ± 161.76 FEET NORTHWEST OF THE NORTHWEST CORNER OF SAID CHURCH, ± 102.44 FEET SOUTHWEST OF A 18 FOOT BY 15 FOOT BRICK BUILDING.
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NORTHING=10162238.14'
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NORTHING=10161917.81'
EASTING=3096325.34'
ELEV=883.04'



2023-27-SD
CITY APPROVAL STAMP

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISOR OF CLAYTON J. STROLLE, P.E. LICENSE NO. 04162023, AT THE INTERSECTION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.



LACY SMITH & SAGE AUSTIN THAMES (INST. NO. 2021093881)

LOT 94, BLOCK A CREEKVIEW PHASE 1 (INST. NO. 2006112262)

MICHAEL J & KIM M ZENOR (INST. NO. 2014059612)

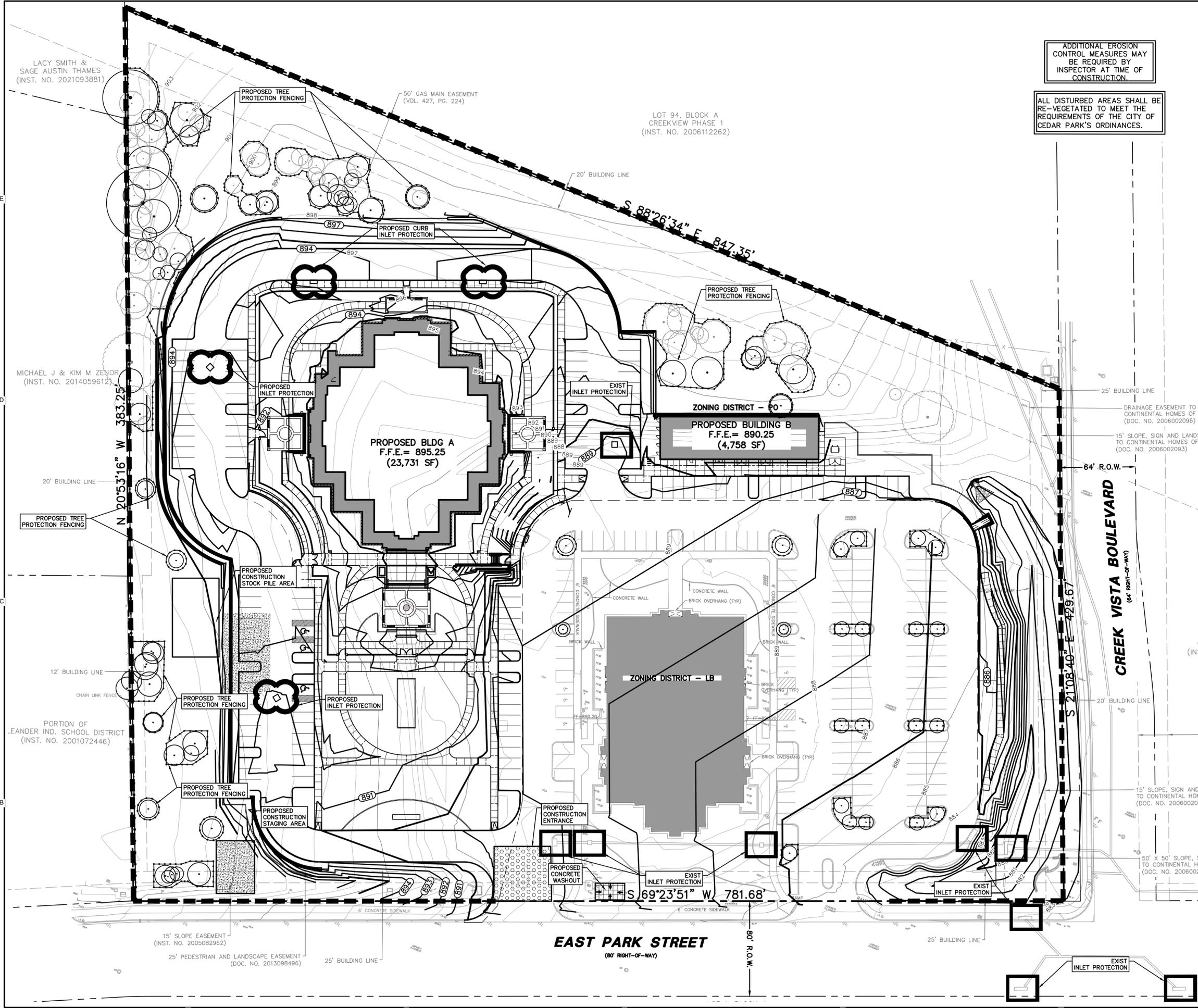
PORTION OF LEANDER IND. SCHOOL DISTRICT (INST. NO. 2001072446)

25' PEDESTRIAN AND LANDSCAPE EASEMENT (DOC. NO. 2013098496)

EAST PARK STREET (80' RIGHT-OF-WAY)

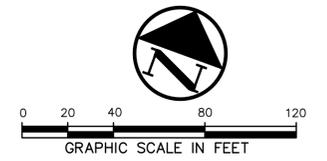
CREEK VISTA BOULEVARD (64' RIGHT-OF-WAY)

LOT 1, BLOCK A LEANDER IND. REGIONAL STADIUM



ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY INSPECTOR AT TIME OF CONSTRUCTION.

ALL DISTURBED AREAS SHALL BE RE-VEGETATED TO MEET THE REQUIREMENTS OF THE CITY OF CEDAR PARK'S ORDINANCES.



LEGEND

B	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FC	FIRE HYDRANT CLEANOUT
CO	MANHOLE
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FL	FLOOD LIGHT
FP	FLAG POLE
TS	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET
- - -	CONTROLLING MONUMENT
- - -	PROPERTY LINE
- - -	FENCE
- - -	OVERHEAD UTILITY LINE
- - -	EXIST CONTOUR
- - -	PROPOSED CONTOUR
- - -	PROPOSED DRAINAGE FLOW DIRECTION
[Symbol]	PROPOSED CONSTRUCTION ENTRANCE
[Symbol]	INLET PROTECTION
[Symbol]	EXIST CURB INLET PROTECTION
[Symbol]	SILT FENCE (LIMITS OF DISTURBED AREA)
[Symbol]	CHECK DAM
[Symbol]	PROPOSED CONCRETE WASHOUT AREA
[Symbol]	PROPOSED STAGING & STORAGE AREA

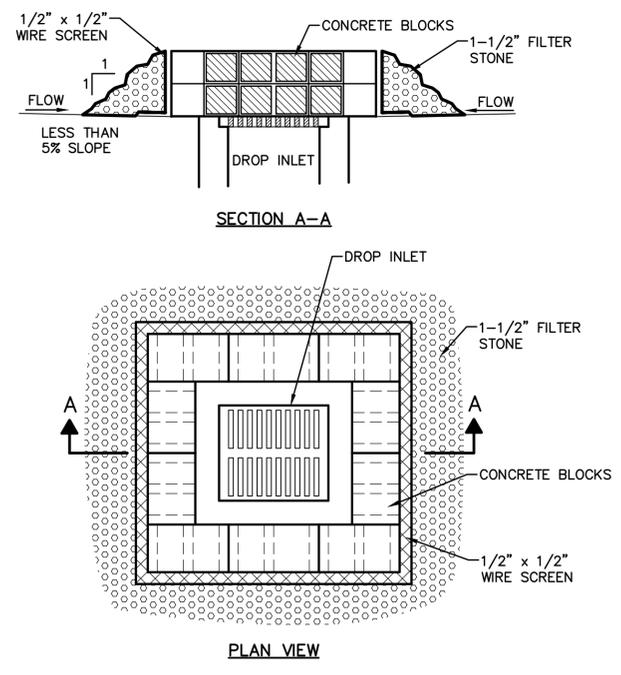
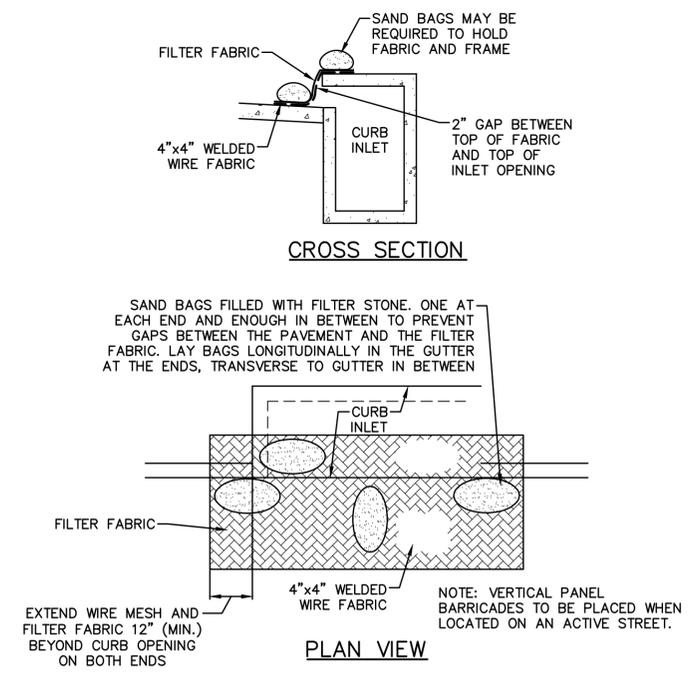
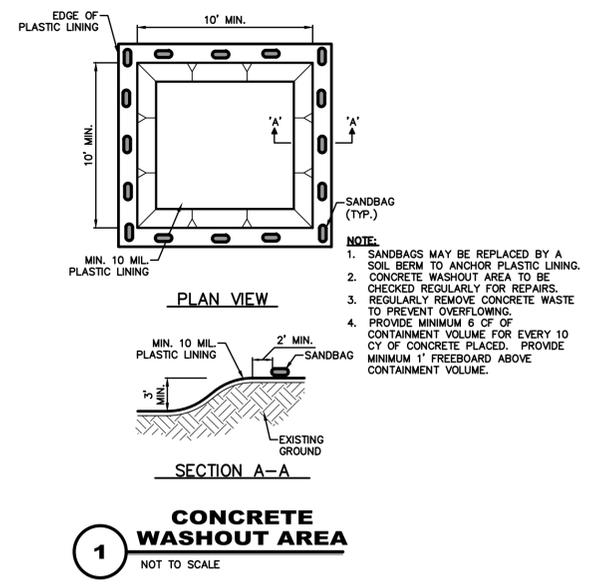
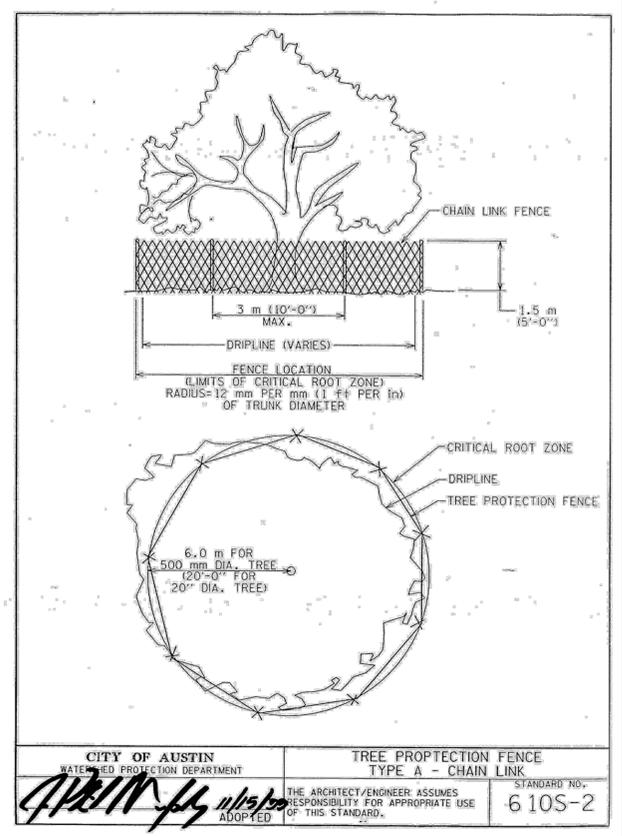
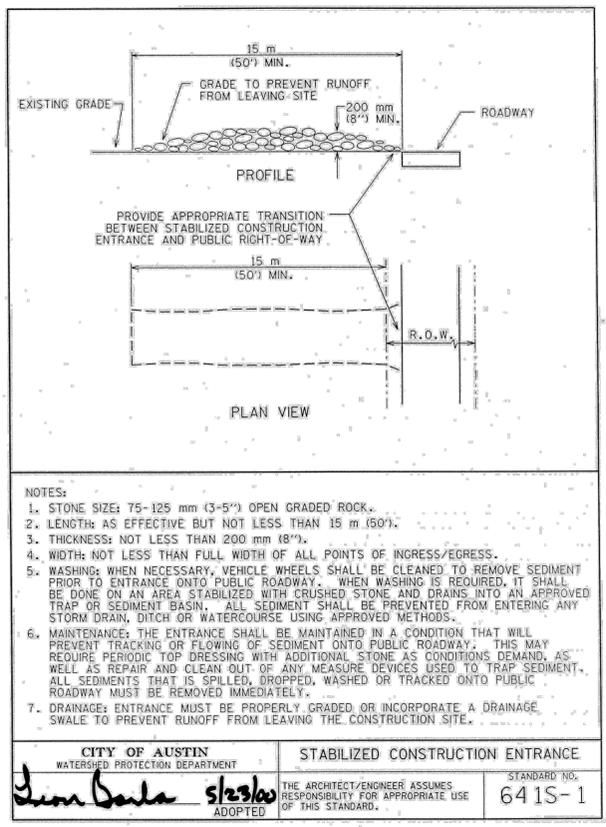
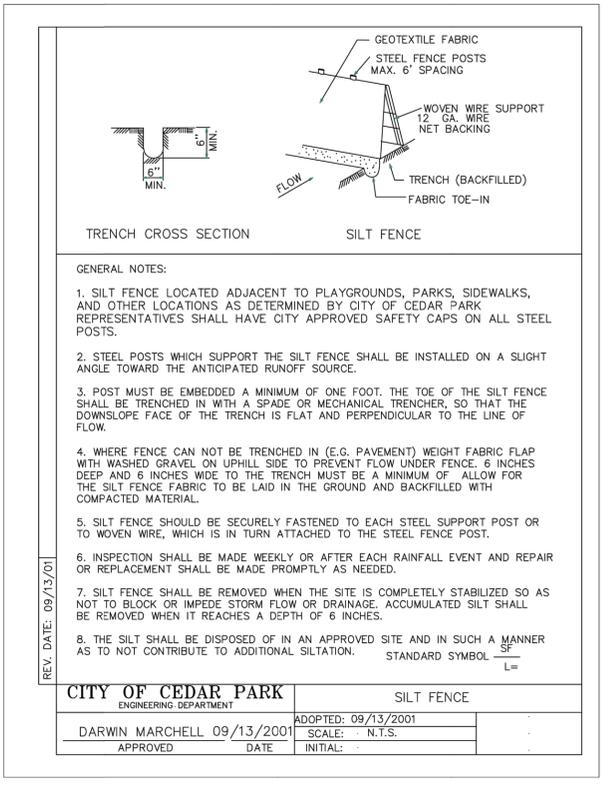
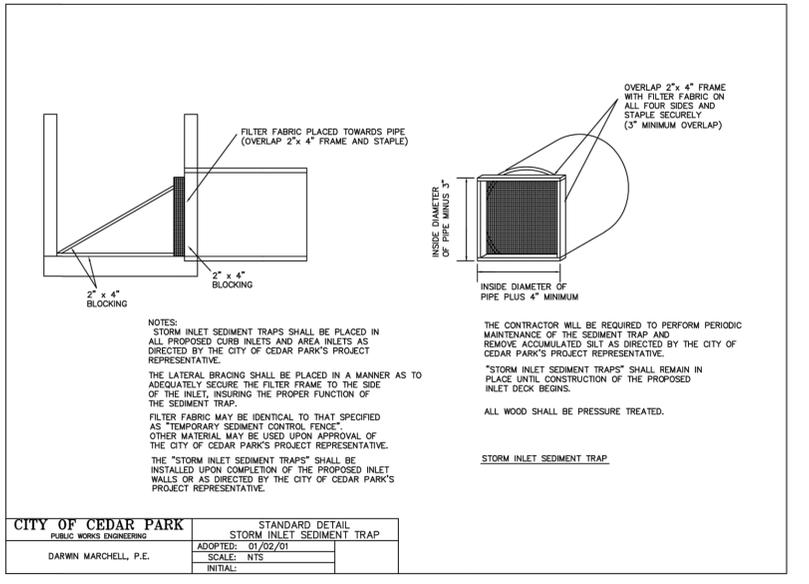
BENCH MARK LIST

BM# 22 3" BRASS DISK IN CONCRETE, STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITESTONE BLVD. (FM 1431), LOOKING NORTH.	NORTHING=10165081.83' EASTING=3092268.19' ELEV=915.4'
BM# 42 3" BRASS DISK IN CONCRETE, STANDING ON NORTH ROW OF S LYNNWOOD TRAIL, WEST OF TALLOW TRAIL, LOOKING SOUTHWEST TOWARDS FOREST OAK PARK PLAYGROUND	NORTHING=10157771.28' EASTING=3092926.38' ELEV=884.6'
BM# 1 1" X 1" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161606.90' EASTING=3095705.22' ELEV=895.09'
BM# 2 1" X 1" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161621.24' EASTING=3095544.53' ELEV=898.64'
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2023-27-SD
CITY APPROVAL STAMP

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISOR OF CLAYTON J. STROLLE, P.E. 108906 ON 10/16/2023. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.



THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



Consultants

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

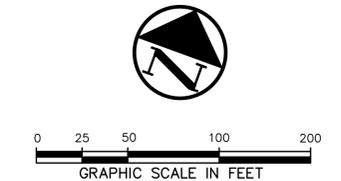
DATE REVISION

OVERALL SITE PLAN

11

11 OF 49

SITE SUMMARY:				CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS							
OCCUPANCY TYPE	PROPOSED BUILDING USE	TOTAL SITE AREA (AC)	EXISTING IMPERVIOUS COVER (SF)	EXISTING BUILDING COVERAGE (SF) / GFA	PROPOSED IMPERVIOUS COVER (SF)	PROPOSED BUILDING COVERAGE (SF) / GFA	TOTAL IMPERVIOUS COVER (SF)	FOUNDATION	FAR	BUILDING 1 HEIGHT	BUILDING B HEIGHT
LB & PO	OFFICE	10.5800	101,930	19,537	106,286	28,489	208,217	CONCRETE	1:22	118'	15'4"



NAME	SF	PARKING PROVIDED		EXISTING PARKING PROV.	PROPOSED TOTAL PARKING REQ.	PROPOSED PARKING PROV.
		BIKE REQ (3 SPOTS PER 15,000SF)	EXISTING TOTAL PARKING REQ.			
BUILDING A	23,731	2	0	0	79	84
BUILDING B	4,758	0	0	0	17	32
EXISTING BUILDING	19,644	1	79	122	0	0

LEGEND

- BL BOLLARD
- EM_g ELECTRIC METER
- PP POWER POLE
- LS LIGHT STANDARD
- WM_g WATER METER
- WV_g WATER VALVE
- ICV_g IRRIGATION CONTROL VALVE
- FH_g FIRE HYDRANT
- CO CLEANOUT
- MH MANHOLE
- TSC_g TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TELE TELEPHONE BOX
- FL FLOOD LIGHT
- FP FLAG POLE
- TRF TRAFFIC SIGN
- IRS 1/2-INCH IRON ROD
- W/PACHECO KOCH CAP SET CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OHL OVERHEAD UTILITY LINE
- UDEL UNDERGROUND ELECTRIC LINE
- UT UNDERGROUND TELEPHONE LINE
- UGC UNDERGROUND CABLE LINE
- UWL UNDERGROUND WATER LINE
- USL UNDERGROUND SANITARY SEWER LINE
- PROP FDC LOCATION
- PROP WATER VALVE
- PROP FIRE HYDRANT
- PROP WATER LINE W/ BEND
- PROP SANITARY SEWER LINE
- PROP SANITARY SEWER MANHOLE
- PROP SANITARY SEWER CLEANOUT
- ZONING DISTRICT - PO
- ZONING DISTRICT - LB
- FIRE LANE

REFER SHEET TO 2 FOR GENERAL NOTES

ALL DIMENSIONS ARE TO BACK-OF-CURB UNLESS OTHERWISE NOTED

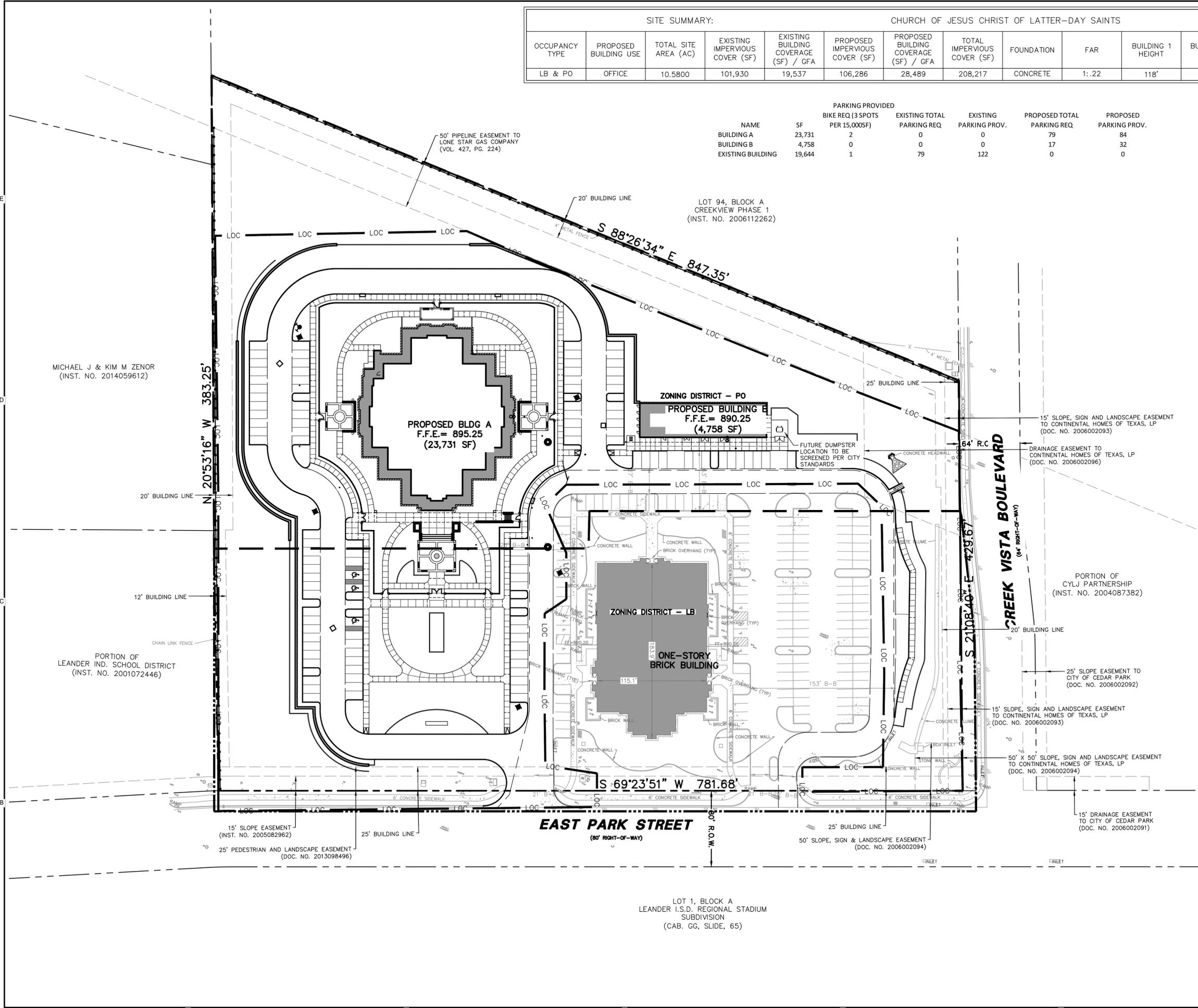
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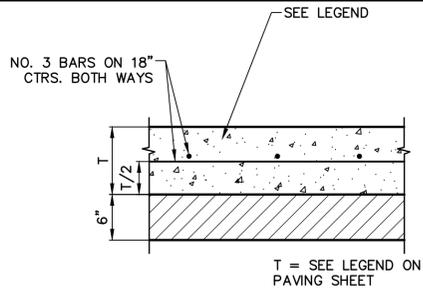


2023-27-SD
CITY APPROVAL STAMP

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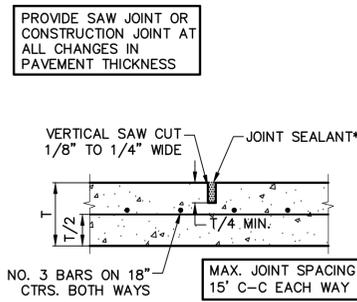


T:\SHELWIRE 1/8/2024 11:59 AM N:\004082400\06 CAD\DWG\SITE DESIGN C3D\0040824\00DIMS.DWG



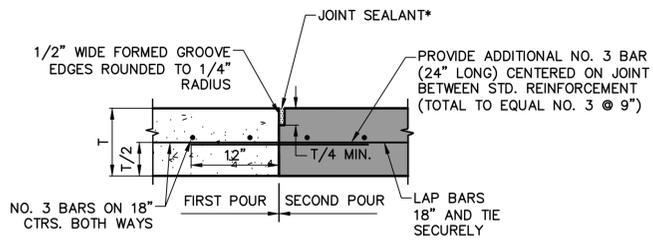
NOTE:
REFER TO GEOTECH REPORT
ECS SOUTHWEST #17-5858 DATED
06/16/2022 FOR FURTHER INFORMATION

1 CONCRETE PAVEMENT SECTION
NOT TO SCALE



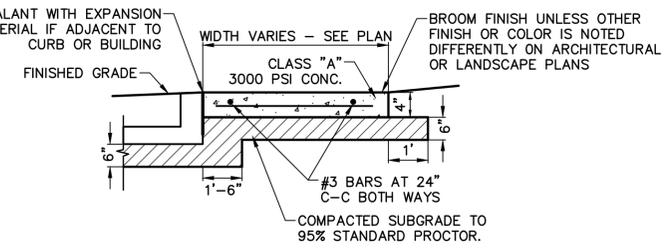
* READY-MIXED COLD-APPLIED JOINT SEALANT (EZ-7 OR APPROVED EQUAL)

2 SAWED DUMMY JOINT
NOT TO SCALE



* READY-MIXED COLD-APPLIED JOINT SEALANT (EZ-7 OR APPROVED EQUAL)

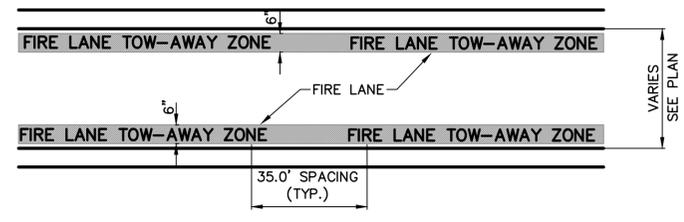
3 CONSTRUCTION JOINT
NOT TO SCALE



PROVIDE BITUMINOUS EXPANSION MATERIAL WHERE WALK ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE

PROVIDE TOOLED JOINTS AT SPACING EQUAL TO WIDTH. PROVIDE REDWOOD EXPANSION JOINTS AT 32' SPACING UNLESS NOTED DIFFERENTLY ON ARCHITECTURAL OR LANDSCAPE PLANS

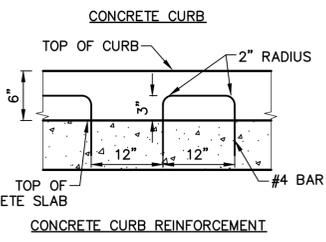
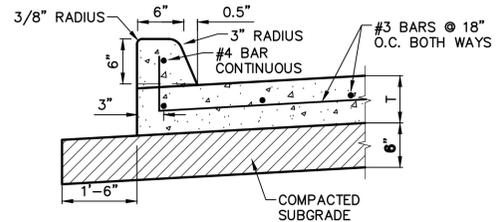
4 CONCRETE WALK PRIVATE
NOT TO SCALE



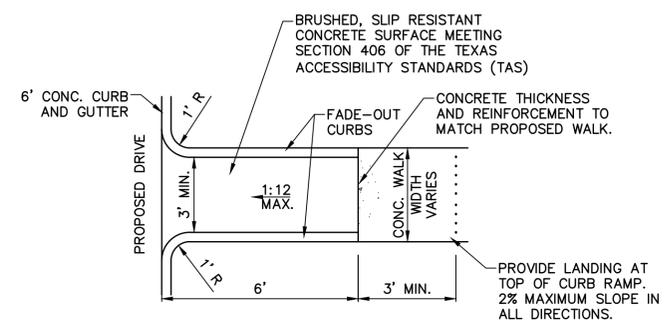
GENERAL NOTE:
A. STRIPING TO BE DONE IN ACCORDANCE WITH CITY STANDARDS.

- STRIPING DETAIL NOTE:**
A. PAINT:
1. STRIPE SHALL BE SIX (6) INCHES WIDE PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
A. COLOR SHALL BE "TRAFFIC RED" GLIDDEN NO. 63251 OR EQUAL.
2. LETTERS SHALL BE FOUR (4) INCHES HIGH PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
B. COLOR SHALL BE "TRAFFIC WHITE" GLIDDEN NO. 563245 OR EQUAL.
B. APPLICATION:
1. STRIPE MAY BE BRUSHED OR SPRAYED, ONE COAT TO FINISH.
2. LETTERS SHALL BE STENCIL FORMED, BRUSH APPLIES AND SPACED AS DETAILED ON THIS SHEET.
3. FIRE LANE STRIPING SHALL BE CONTINUOUS THROUGHOUT THE DESIGNATED FIRE LANE AND SHALL LAY DOWN ALONG BACKSIDE OF HEAD IN PARKING SPACES. CURB FACING SHALL BE USED WHEN AVAILABLE.

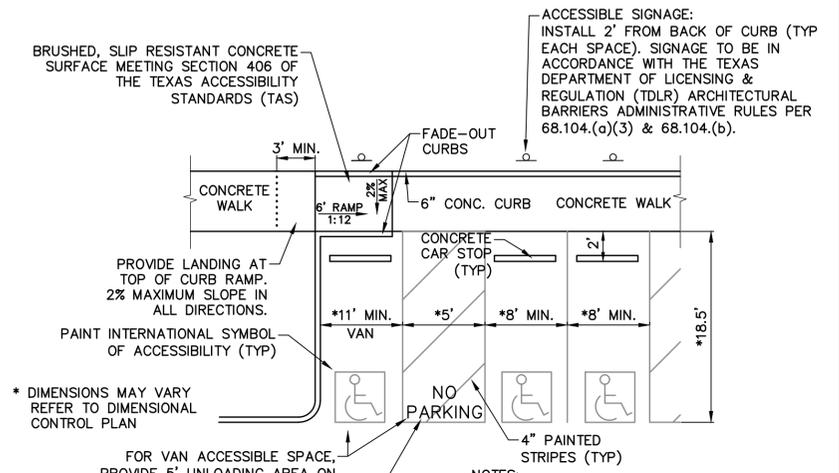
5 FIRE LANE STRIPING
NOT TO SCALE



6 CONCRETE CURB & REINFORCEMENT
NOT TO SCALE



8 SINGLE CURB RAMP
NOT TO SCALE (PRIVATE ONLY)

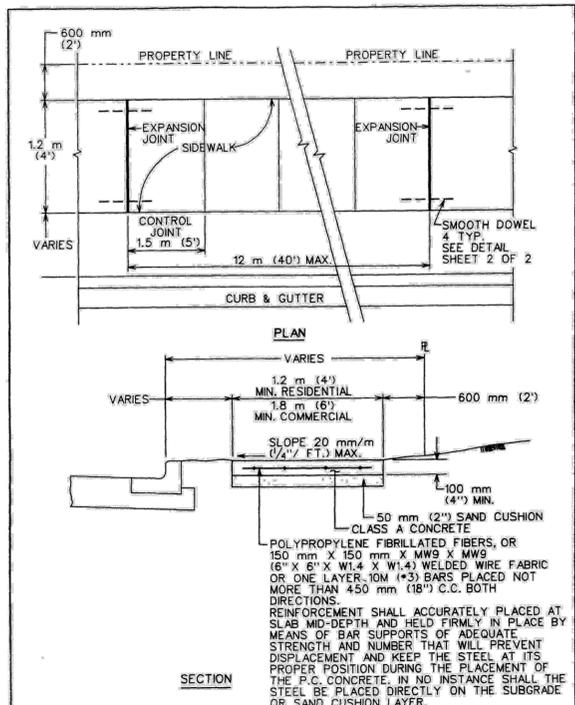


* DIMENSIONS MAY VARY REFER TO DIMENSIONAL CONTROL PLAN

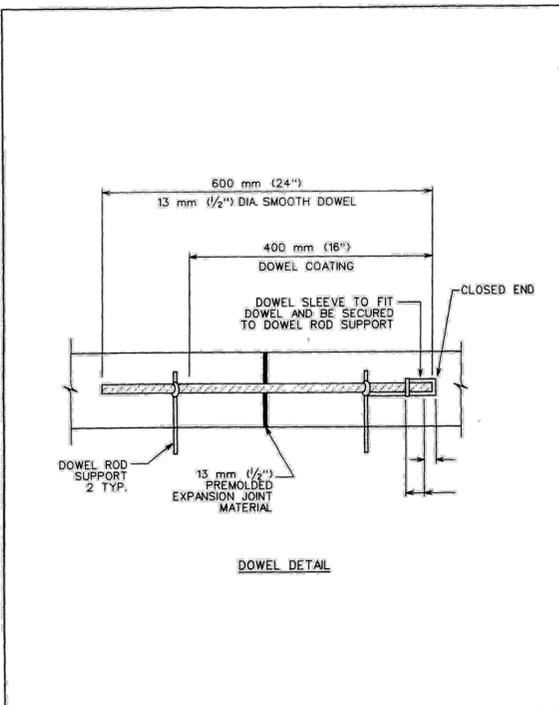
FOR VAN ACCESSIBLE SPACE, PROVIDE 5' UNLOADING AREA ON PASSENGER SIDE AND DESIGNATE AS "VAN ACCESSIBLE SPACE" ON SIGNAGE

"NO PARKING" LETTERING TO COMPLY WITH TEXAS DEPARTMENT OF LICENSING & REGULATION (TDLR) ARCHITECTURAL BARRIERS ADMINISTRATIVE RULES PER 68.104.(a)(2)

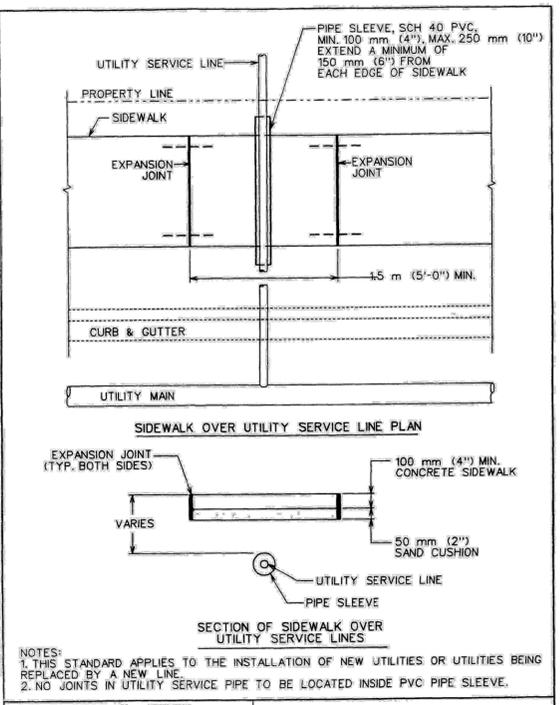
7 90° ACCESSIBLE PARKING & SINGLE CURB RAMP
NOT TO SCALE (PRIVATE ONLY)



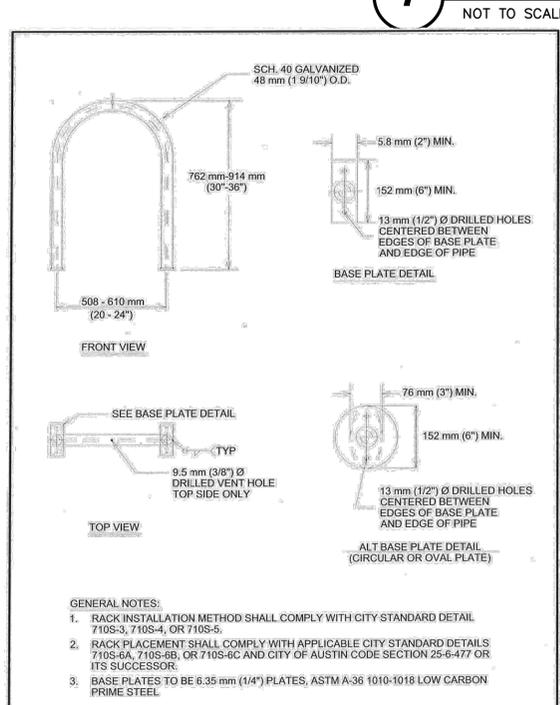
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1 1 OF 3
<i>Bill Anderson</i> 3/26/22 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1 2 OF 3
<i>Bill Anderson</i> 3/26/22 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1 3 OF 3
<i>Bill Anderson</i> 3/26/22 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	CLASS III STYLE BICYCLE PARKING	STANDARD NO. 710S-1 1 OF 1
<i>Bill Anderson</i> 9/26/12 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	



2023-27-SD
CITY APPROVAL STAMP



COORDINATE!!

CONTACT:
DIG-TESS 1-800-DIG-TESS
ATMOS ENERGY 1-800-332-8667
ONCOR ELECTRIC 972-888-1359
AT&T 1-817-589-1056
CHARTER SPECTRUM 1-817-205-8177
TXU 1-800-711-9112
TEXAS ONE CALL 811
48 HOURS PRIOR TO CONSTRUCTION

LEGEND

B	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
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FP	FLAG POLE
TR	TRAFFIC SIGN
IR	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET
X	CONTROLLING MONUMENT
OHL	PROPERTY LINE
---	FENCE
---	OVERHEAD UTILITY LINE
---	UNDERGROUND ELECTRIC LINE
---	UNDERGROUND TELEPHONE LINE
---	UNDERGROUND CABLE LINE
---	UNDERGROUND WATER LINE
---	PROP. FDC LOCATION
---	PROP. WATER VALVE
---	PROP. FIRE HYDRANT
---	PROP. WATER LINE W/ BEND
---	PROP. SANITARY SEWER LINE
---	PROP. SANITARY SEWER MANHOLE
---	PROP. SANITARY SEWER CLEANOUT
---	PROP. GRADING LIMIT

REFER SHEET 2 FOR GENERAL NOTES

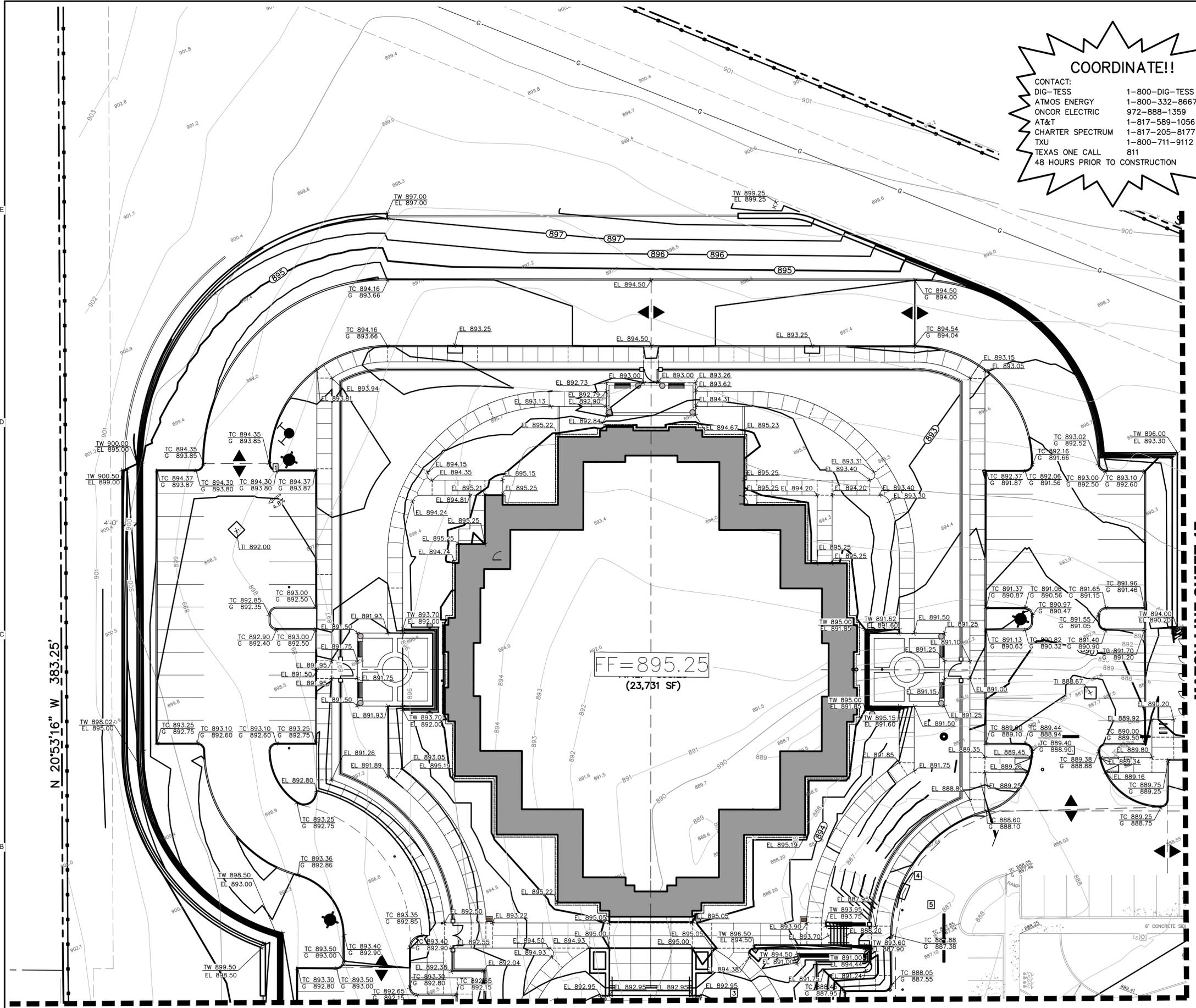
BENCH MARK LIST

BM# 22 3" BRASS DISK IN CONCRETE. STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITSTONE BLVD. (FM 1431), LOOKING NORTH.	NORTHING=10165081.63' EASTING=3092268.19' ELEV=915.4'
BM# 42 3" BRASS DISK IN CONCRETE. STANDING ON NORTH ROW OF S LYNNWOOD TRAIL, WEST OF TALLOW TRAIL, LOOKING SOUTHEAST TOWARDS FOREST OAK PARK PLAYGROUND	NORTHING=10157771.28' EASTING=3092926.38' ELEV=884.6'
BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161606.90' EASTING=3095705.22' ELEV=895.09'
BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER.	NORTHING=10161742.13' EASTING=3095845.30' ELEV=890.16'
BM# 4 1/2-INCH IRON ROD WITH RED CAP SET LOCATED NORTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 161.76 FEET NORTHWEST OF THE NORTHWEST CORNER OF SAID CHURCH, ± 102.44 FEET SOUTHWEST OF A 18 FOOT BY 15 FOOT BRICK BUILDING.	NORTHING=10162036.38' EASTING=3095705.95' ELEV=890.18'
BM# 5 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTHEAST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 383.94 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 78.56 FEET EAST OF A CONCRETE HEADWALL.	NORTHING=10162238.14' EASTING=3096189.11' ELEV=885.16'
BM# 6 1/2-INCH IRON ROD WITH RED CAP SET LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 47.84 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 40.53 FEET SOUTHWEST OF A STONE WALL WITH SIGN 'CREEK VIEW'.	NORTHING=10161917.81' EASTING=3096325.34' ELEV=883.04'



2023-27-SD
CITY APPROVAL STAMP

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISION OF CLAYTON J. STROLLE, P.E. UNDER THE PROFESSIONAL ENGINEERING ACT. THIS DOCUMENT IS VOID WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.



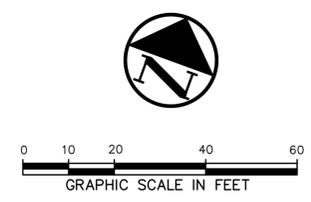
N 20°53'16" W 383.25'

MATCH LINE SHEET 17

MATCH LINE SHEET 16

COORDINATE!!

CONTACT:
 DIG-TESS 1-800-DIG-TESS
 ATMOS ENERGY 1-800-332-8667
 ONCOR ELECTRIC 972-888-1359
 AT&T 1-817-589-1056
 CHARTER SPECTRUM 1-817-205-8177
 TXU 1-800-711-9112
 TEXAS ONE CALL 811
 48 HOURS PRIOR TO CONSTRUCTION



LEGEND

B ₁	BOLLARD
EM ₁	ELECTRIC METER
FP	POWER POLE
LS ₁	LIGHT STANDARD
WM ₁	WATER METER
WV ₁	WATER VALVE
ICV ₁	IRRIGATION CONTROL VALVE
FH ₁	FIRE HYDRANT
CO ₁	CLEANOUT
MH ₁	MANHOLE
TSC ₁	TRAFFIC SIGNAL CONTROL
TSP ₁	TRAFFIC SIGNAL POLE
TELE ₁	TELEPHONE BOX
FL ₁	FLOOD LIGHT
FP ₁	FLAG POLE
SI ₁	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET
---	CONTROLLING MONUMENT
---	PROPERTY LINE
X	FENCE
OHL	OVERHEAD UTILITY LINE
---	UNDERGROUND ELECTRIC LINE
---	UNDERGROUND TELEPHONE LINE
---	UNDERGROUND CABLE LINE
---	UNDERGROUND WATER LINE
---	UNDERGROUND SANITARY SEWER LINE
---	PROP FDC LOCATION
---	PROP WATER VALVE
---	PROP FIRE HYDRANT
---	PROP WATER LINE W/ BEND
---	PROP SANITARY SEWER LINE
---	PROP SANITARY SEWER MANHOLE
---	PROP SANITARY SEWER CLEANOUT
---	PROP GRADING LIMIT

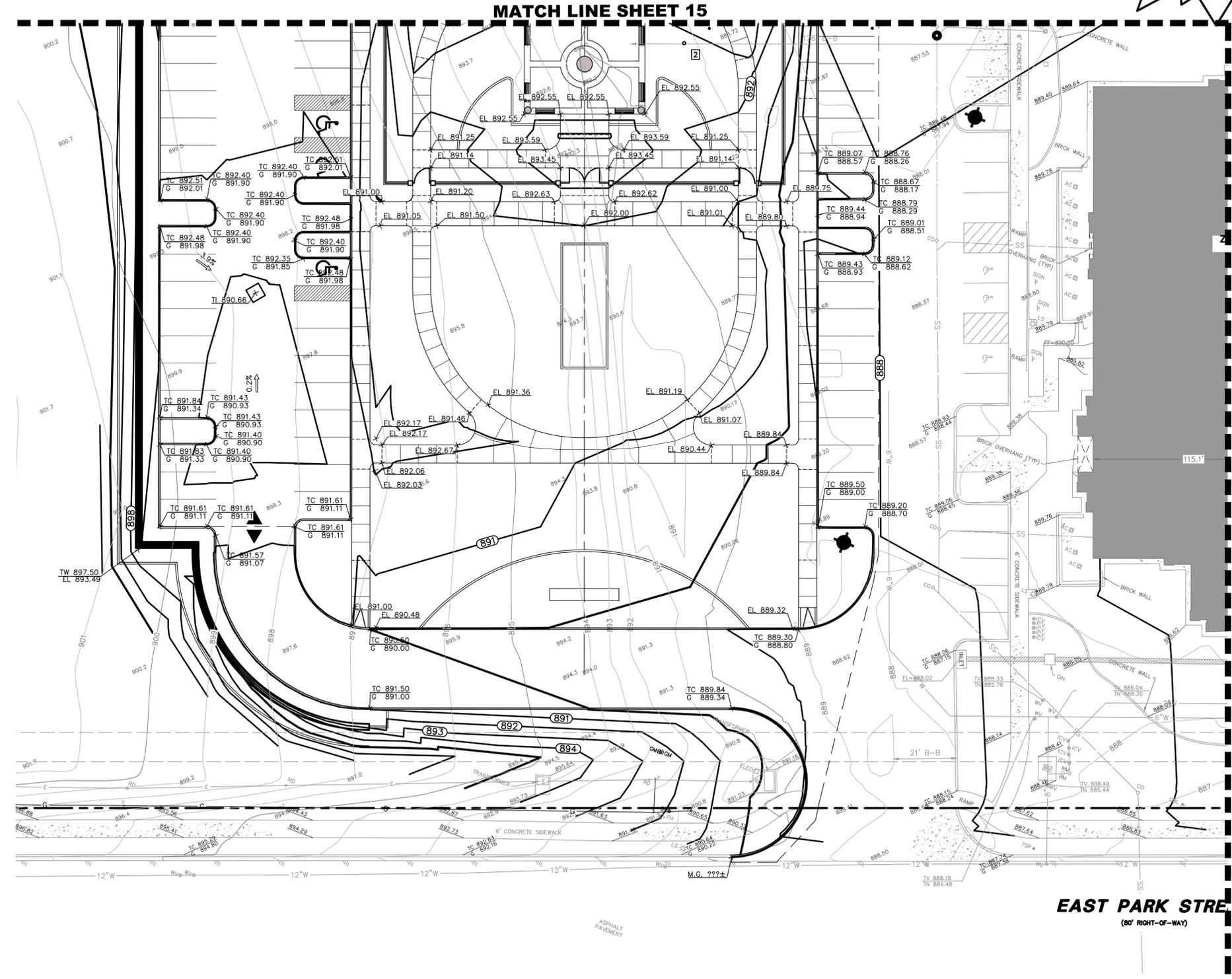
REFER SHEET 2 FOR GENERAL NOTES

BENCH MARK LIST

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 NORTHING=10161917.81'
 EASTING=3096325.34'
 ELEV=883.04'



2023-27-SD
 CITY APPROVAL STAMP



MATCH LINE SHEET 15

MATCH LINE SHEET 17

EAST PARK STRE
 (80' RIGHT-OF-WAY)

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

DATE	REVISION

GRADING PLAN
 2 OF 3

16

16 OF 49

T:SELMIRE 1/8/2023 12:01 PM
 N:\00002400\006 CAD\DWG\SITE DESIGN CSD\040824.00GRAD.DWG

H DEFINITION

Wall Height (ft)	WALL DIMENSIONS										REINFORCING STEEL FOR ONE 32' PANEL (DESIGN A)										QUANTITY FOR ONE 32' PANEL		Wall Height (ft)									
	Fw	Tw	Sw	Hw	Ft	Kw	Max Press	A1-26 #5	A2-25 #5	A3-25 #5	A4-26 #5	A5-25 #9	A6-25 #11	A7-26 #11	B-26 #5	C	D (#5)	F (#5)	H (#5)	T (#5)	U-26 #5	W-26 #5		CONC (CY)	REINF (LB)							
2	1'-8"	8"	1'-0"	0	9"	9"	0.11										4	131	3	24			2	66	312	2						
3	2'-0"	1'-0"	1'-0"	0	9"	9"	0.15										6	197	4	32	2	66	5'-4"	145	5.1	506	3					
4	2'-8"	1'-4"	1'-0"	4"	1'-0"	9"	0.21	3'-10"	104								8	263	6	48	2	66	7'-4"	199	7.4	873	4					
5	3'-6"	1'-9"	1'-0"	9"	1'-0"	9"	0.23	5'-3"	142								10	329	7	56	2	66	8'-4"	226	9.6	1079	5					
6	4'-3"	2'-2"	1'-0"	1'-11"	1'-0"	9"	0.24	6'-8"	181								12	394	8	64	3	99	9'-4"	226	11.6	1259	6					
7	5'-0"	2'-6"	1'-0"	1'-6"	1'-0"	9"	0.27	8'-0"	217								14	460	9	72	3	99	9'-4"	226	13.7	1401	7					
8	5'-8"	2'-10"	1'-0"	1'-10"	1'-0"	9"	0.30	9'-4"	253								16	526	10	80	3	99	4	131	8'-4"	226	15.7	1575	8			
9	6'-4"	3'-2"	1'-0"	2'-2"	1'-0"	9"	0.33	10'-8"	284								18	591	11	88	3	99	4	131	8'-4"	226	17.7	1714	9			
10	7'-0"	3'-6"	1'-0"	2'-6"	1'-0"	9"	0.36	12'-0"	325	4'-2"	156						20	657	12	96	4	131	4	131	8'-4"	226	19.6	2082	10			
11	7'-9"	3'-10"	1'-0"	2'-11"	1'-0"	9"	0.39	13'-4"	362	5'-4"	200						22	723	13	104	4	131	5	164	8'-4"	226	21.7	2436	11			
12	8'-6"	4'-3"	1'-0"	3'-3"	1'-0"	9"	0.40	14'-9"	400	6'-7"	247						24	789	14	112	4	131	5	164	8'-4"	226	23.8	2651	12			
13	9'-2"	4'-7"	1'-0"	3'-7"	1'-0"	9"	0.43	16'-1"	436	7'-8"	288	6'-9"	345				26	854	15	120	5	164	6	197	8'-4"	226	25.8	3364	13			
14	9'-10"	4'-11"	1'-0"	3'-11"	1'-0"	9"	0.47	17'-5"	472	8'-11"	335	8'-11"	413				28	920	16	128	5	164	6	197	8'-4"	226	28.2	3771	14			
15	10'-6"	5'-3"	1'-1/2"	4'-1/2"	1'-0"	9"	0.50	18'-10"	511	10'-1"	379	9'-6"	485				30	986	17	136	6	197	6	197	8'-4"	226	30.3	4253	15			
16	11'-2"	5'-7"	1'-2"	4'-5"	1'-3"	9"	0.55	13'-3"	359	11'-2"	419	10'-11"	558	8'-5"	584		32	1051	18	144	6	197	7	230	8'-4"	226	36.0	4974	16			
17	11'-10"	5'-11"	1'-3/4"	4'-7/4"	1'-3"	9"	0.58	13'-3"	359	12'-5"	466	12'-4"	630	9'-10"	683		34	1117	19	152	7	230	8'-4"	226	38.5	5369	17					
18	12'-6"	6'-3"	1'-4"	4'-11"	1'-6"	11'-3"	0.78	13'-3"	359	13'-7"	510	13'-9"	703	11'-2"	775		36	1183	20	160	7	230	8	263	8'-4"	226	44.3	5882	18			
19	13'-3"	6'-7"	1'-5"	5'-3"	1'-6"	11'-6"	0.66	13'-3"	359	14'-9"	554	15'-2"	775	12'-9"	879		38	1248	21	168	8	263	8	263	8'-4"	226	48.1	6057	19			
20	13'-10"	6'-11"	1'-6 1/4"	5'-4 3/4"	1'-6"	11'-6"	0.70	13'-3"	359	15'-11"	598	16'-7"	847	14'-1"	978		40	1314	22	176	8	263	9	296	8'-4"	226	50.9	6692	20			
21	14'-6"	7'-3"	1'-7"	5'-8"	1'-9"	11'-6"	0.75	13'-3"	359	11'-2"	419	18'-0"	920	15'-3"	1070	9'-7"	815	20'-6"	506	10	38	10	38	10	38	8'-4"	226	57.7	7681	21		
22	15'-2"	7'-7"	1'-8 1/2"	5'-10 1/2"	1'-9"	11'-6"	0.78	13'-3"	359	11'-2"	419	19'-5"	992	16'-11"	1144	10'-11"	928	21'-6"	583	10	38	10	38	10	38	8'-4"	226	61.0	8126	22		
23	16'-0"	8'-0"	1'-9 1/2"	6'-2 1/2"	1'-9"	11'-6"	0.79	13'-3"	359	11'-2"	419	20'-11"	1069	18'-5"	1278	12'-4"	1048	22'-6"	610	8	76	5	8	76	5	8	8'-4"	226	64.8	8997	23	
24	16'-6"	8'-3"	1'-10 1/2"	6'-4 1/2"	1'-9"	11'-6"	0.86	13'-3"	359	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155	23'-6"	664	8	76	5	8	76	5	8	8'-4"	226	72.4	9416	24	
25	17'-3"	8'-7"	1'-11 1/2"	6'-8 1/2"	1'-9"	11'-6"	0.89	13'-3"	359	11'-2"	419	12'-2"	622	21'-2"	1469	15'-0"	1275	24'-6"	664	8	76	5	8	76	5	8	8'-4"	226	76.4	10112	25	
26	18'-0"	9'-0"	2'-0 1/2"	6'-11 1/2"	2'-3"	11'-6"	0.93	13'-3"	359	11'-2"	419	12'-2"	622	22'-4"	1574	16'-4"	1388	25'-6"	692	8	76	5	8	76	5	8	8'-4"	226	85.2	10698	26	
27	18'-6"	9'-4"	2'-1 1/2"	7'-0 1/2"	2'-3"	11'-6"	0.97	13'-3"	359	11'-2"	419	12'-2"	622	24'-1"	1672	17'-8"	1502	26'-6"	719	8	76	5	8	76	5	8	8'-4"	226	89.0	11757	27	
28	19'-3"	9'-7"	2'-2 1/4"	7'-5 1/4"	2'-3"	11'-9"	1.00	13'-3"	359	11'-2"	419	12'-2"	622	25'-5"	1764	19'-0"	1615	27'-6"	746	8	76	5	8	76	5	8	8'-4"	226	94.5	12293	28	
29	20'-0"	10'-0"	2'-3 1/2"	7'-8 1/2"	2'-3"	11'-9"	1.02	13'-3"	359	11'-2"	419	12'-2"	622	27'-0"	1874	20'-5"	1735	28'-6"	773	8	76	5	8	76	5	8	8'-4"	226	99.2	12874	29	
30	20'-6"	10'-4"	2'-4 1/2"	7'-9 1/2"	2'-3"	11'-9"	1.06	13'-3"	359	11'-2"	419	12'-2"	622	14'-4"	995	21'-9"	1849	29'-6"	800	10	38	10	38	10	38	8'-4"	226	103.3	15515	30		
31	21'-3"	10'-7"	2'-5 1/2"	8'-2 1/2"	2'-3"	11'-9"	1.09	13'-3"	359	11'-2"	419	12'-2"	622	14'-4"	995	23'-0"	1955	12'-1"	1605	18'-4"	2533	30'-6"	827	10	38	10	38	8'-4"	226	108.2	16209	31
32	22'-0"	11'-0"	2'-6 1/2"	8'-5 1/2"	2'-6"	11'-9"	1.13	13'-3"	359	11'-2"	419	12'-2"	622	14'-4"	995	24'-5"	2075	13'-1"	1738	19'-10"	2740	31'-6"	854	10	38	10	38	8'-4"	226	118.9	16837	32

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by the author of this standard to other parties for incorrect results or damages resulting from its use.

DATE: FILE:

GENERAL NOTES:
 1. All concrete to be Class "C".
 2. All reinforcing steel to be Grade 60.
 3. For notes or details not shown on this sheet see sheet RW2.
 4. Quantities are based on "H" being average height of panel.
 5. Retaining walls are designed to be coded as follows on Retaining Wall Layout Sheets:
 HC - 21 - 28
 LS - 28 - 32
 6. Panel Length - 32' is standard; 28' requires special quantities.
 7. Average Height "H" of panel.
 8. Design - A = no surcharge or slope above wall
 9. B = slopes up to 4:1
 10. C = traffic surcharge and/or slopes up to 2.5:1
 11. Footing pressure design - L = low, H = high

RETAINING WALLS
 RW 1(LA)

FILE: RW1005.dwg DWG: TXDOT CR: TADOT DW: GAO CK: BFW
 C:\TXDOT March 2010 CON: SECT: JOB: HIGHWAY:
 REVISIONS: DATE: COUNTY: SHEET NO.:

1 RETAINING WALL (OVER 5 FEET)
NOT TO SCALE

NOTES:
 1. DOWELS SHALL BE COATED WITH BOND BREAKER ON WALL FOOTING SIDE SHOWN.
 2. SPACING SHALL BE 12" ON CENTER, NO. 6 DOWEL BARS.
 3. THE SLEEVE FOR DOWEL SHALL HAVE AN INSIDE DIAMETER OF 7/8" AND BE OF A QUALITY AND DESIGN TO PROVIDE FREE MOVEMENT OF THE DOWEL.
 4. ENTIRE DOWEL AND SLEEVE ASSEMBLY WITH JOINT FILLER MATERIAL SHALL BE SECURED IN POSITION PARALLEL WITH THE FOOTING SURFACE BY A METHOD APPROVED BY THE ENGINEER PRIOR TO POURING OPERATION.

"A"-EXPANSION JOINT AGAINST CURB
 FOR WALLS OVER 5 FEET WITH FOOTING ABUTTING BACK OF CURB

"B"-EXPANSION JOINT IN WALL

2 RETAINING WALL (MAX 5 FEET)
NOT TO SCALE

NOTES:
 1. RETAINING WALLS SHALL BE BUILT WITH WEEP HOLES.
 2. BARS SHALL CONFORM TO ITEM 303.2.9 OF NCTCOG SPECIFICATIONS.
 3. BAR LAPS SHALL BE 30 DIAMETERS.
 4. ALL EXPOSED SURFACES EXCEPT DRIVEWAY AND WALK SHALL RECEIVE A CARBORUNDUM OR APPROVED PAINTED FINISH.
 5. DRIVEWAY AND WALK SHALL RECEIVE A NON-SKID WOOD FLOAT FINISH.
 6. EXPOSED EDGES AND CORNERS TO BE ROUNDED OR CHAMFERED AS INDICATED HERIN. (CHAMFER ON BACK OF WALL MAY BE ELIMINATED TO PERMIT MOWING).
 7. WEEP HOLES SHALL BE FORMED BY FIBER DUCT 3" O.D.
 8. WEEP HOLES OR PERFORATED DRAIN SYSTEM MAY BE DELETED FOR RETAINING WALLS NOT EXCEEDING 3' IN HEIGHT WHEN APPROVED BY THE ENGINEER.
 9. EXPANSION JOINTS TO BE PLACED IN WALL ON 45' CENTERS MAXIMUM. (SEE DETAIL "B" BELOW)
 10. EXPANSION JOINTS SHALL BE CONSTRUCTED BETWEEN STREET CURB AND RETAINING WALL FOOTINGS ABUTTING BACK OF CURBS WHEN RETAINING WALL HEIGHT EXCEEDS 5' (SEE DETAIL "A"). FOR WALLS LESS THAN OR EQUAL TO 5' IN HEIGHT, SIDEWALK LUGS SHALL BE CONSTRUCTED AT BACK OF CURB INTEGRAL WITH THE RETAINING WALL FOOTING. (NO EXPANSION MATERIAL)
 11. ALL CONCRETE TO BE CLASS C 3600 PSI CONCRETE.

2023-27-SD
CITY APPROVAL STAMP

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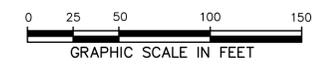
PK FILE: 5322-22.270 CASE ID: 2023-27-SD

Project: Church of Jesus Christ Simulation Run: 100YR INITIAL EX

Start of Run: 04Jun1994, 00:00 Basin Model: Initial Ex.
 End of Run: 05Jun1994, 00:00 Meteorologic Model: 100 YR
 Compute Time: DATA CHANGED, RECOMPUTE Control Specifications: Control 1

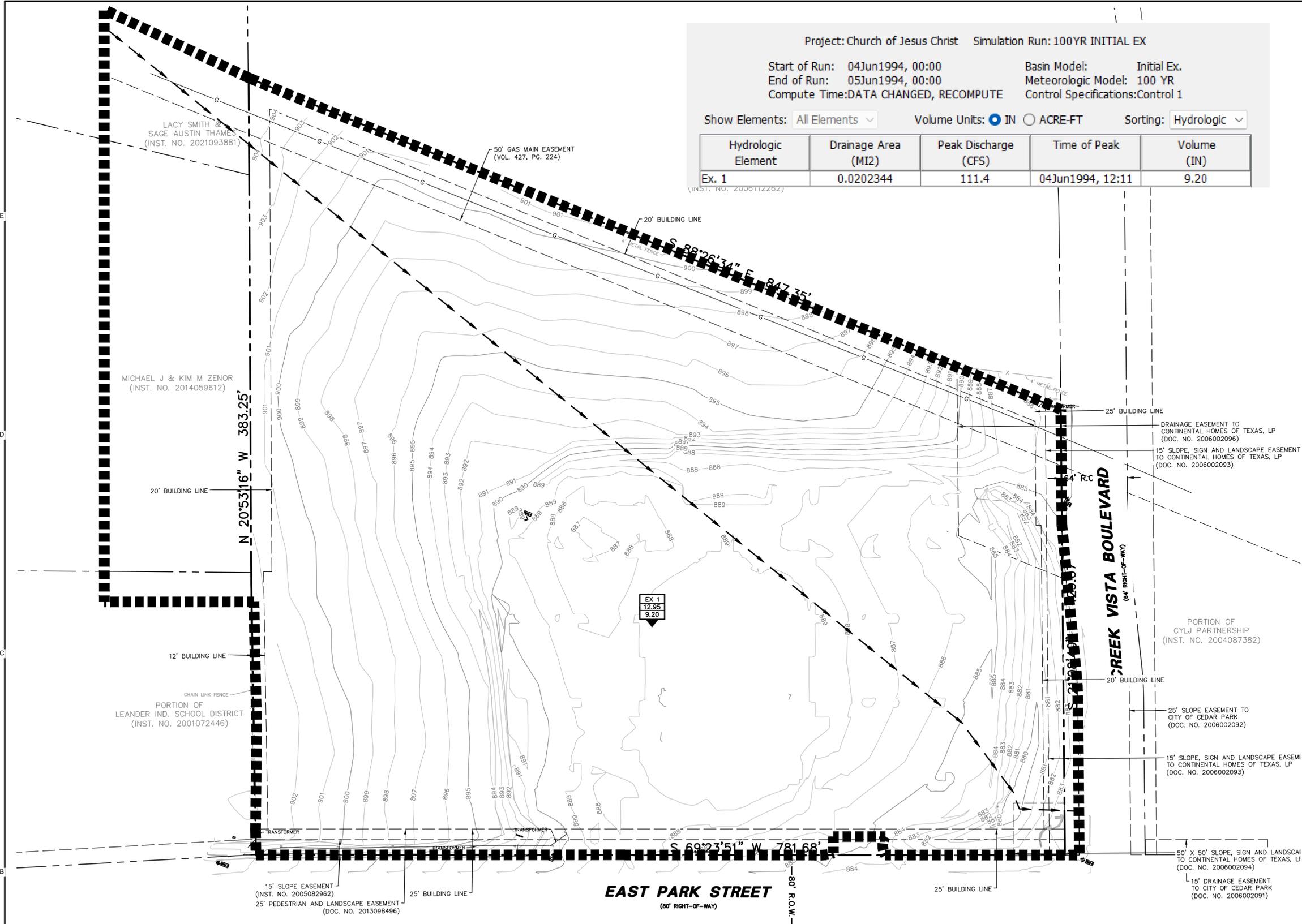
Show Elements: All Elements Volume Units: IN ACRE-FT Sorting: Hydrologic

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
Ex. 1	0.0202344	111.4	04Jun1994, 12:11	9.20



LEGEND

BL	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FD	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FL	FLOOD LIGHT
FP	FLAG POLE
SIG	TRAFFIC SIGN
---	PROPERTY LINE
-X-	FENCE
---	EXISTING CONTOUR
→	DRAINAGE FLOW DIRECTION
---	100-YR FLOODPLAIN LIMITS
---	DRAINAGE DIVIDE
EX 8	EXISTING DRAINAGE AREA ID
1.00	AREA IN ACRES
7.99	Q ₁₀₀ IN CUBIC FEET PER SECOND



EX 1
12.95
9.20

BENCH MARK LIST

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BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161606.90' EASTING=3095705.22' ELEV=895.09'
BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161621.24' EASTING=3095544.53' ELEV=898.64'
BM# 3 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER.	NORTHING=10161742.13' EASTING=3095845.30' ELEV=890.16'
BM# 4 1/4" IRON ROD WITH RED CAP SET LOCATED NORTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 161.76 FEET NORTHWEST OF THE NORTHWEST CORNER OF SAID CHURCH, ± 102.44 FEET SOUTHWEST OF A 18 FOOT BY 15 FOOT BRICK BUILDING.	NORTHING=10162036.38' EASTING=3095705.95' ELEV=890.18'
BM# 5 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTHEAST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 383.94 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 78.56 FEET EAST OF A CONCRETE HEADWALL.	NORTHING=10162238.14' EASTING=3096189.11' ELEV=885.16'
BM# 6 1/4" IRON ROD WITH RED CAP SET LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 47.84 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 40.53 FEET SOUTHWEST OF A STONE WALL WITH SIGN 'CREEK VIEW'.	NORTHING=10161917.81' EASTING=3096325.34' ELEV=883.04'

TIME OF CONCENTRATION CALCULATIONS

Basin ID	Flowpath Length (ft)	Overland Flow			Shallow Concentrated Flow					Channel Flow					Tc (min)					
		Length (ft)	Slope (ft/ft)	Surface Cover	Velocity (ft/s)	Manning's n	T ₀ (min)	Length (ft)	Slope (ft/ft)	Surface Type	Velocity (ft/s)	*K	T _s (min)	Length (ft)		Slope (ft/ft)	Type	*K	Velocity (ft/s)	T _b (min)
E-01	579	100	0.022	DENSE GRASS	0.137	0.24	12.14	1028	0.054	UNPAVED	3.74	14.1	4.58	52	0.069	42" RCP	104.57	27.5	0.03	14.75



2023-27-SD
 CITY APPROVAL STAMP

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

EXISTING DRAINAGE AREA MAP

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TIME OF CONCENTRATION CALCULATIONS

Basin ID	Flowpath Length (ft)	Overland Flow			Shallow Concentrated Flow					Channel Flow					Tc (min)					
		Length (ft)	Slope (ft/ft)	Surface Cover	Velocity (ft/s)	Manning's n	To (min)	Length (ft)	Slope (ft/ft)	Surface Type	Velocity (ft/s)	*K	Ts (min)	Length (ft)		Slope (ft/ft)	Type	*K	Velocity (ft/s)	Tt (min)
DA-01	579	100	0.003	DENSE GRASS	0.062	0.240	26.93	105	0.009	PAVED	1.93	20.3	0.91	118	0.004	30" RCP	83.56	5.3	0.37	28.21
DA-02	748	50	0.016	SMOOTH SURFACES (CONCRETE, ASPHALT, GRAVEL OR BARE SOIL)	1.240	0.011	0.67	205	0.040	PAVED	4.06	20.3	0.84	493	0.012	30" RCP	83.56	9.2	0.90	2.41
DA-03	255	50	0.028	SMOOTH SURFACES (CONCRETE, ASPHALT, GRAVEL OR BARE SOIL)	1.551	0.011	0.54	192	0.039	PAVED	4.01	20.3	0.80	13	0.012	24" RCP	72.01	7.9	0.03	1.36
DA-04	525	100	0.040	DENSE GRASS	#N/A	#N/A	#N/A	234	0.009	PAVED	1.93	20.3	2.03	191	0.012	24" RCP	72.01	7.9	0.40	#N/A
DA-05	579	100	0.008	DENSE GRASS	2.058	0.001	0.81	463	0.064	UNPAVED	4.07	16.1	1.89	301	0.014	NATURAL TRAP CHANNEL B=0, Y=2, SS=3:1	28.69	3.4	1.48	4.18
DA-06	426	100	0.020	DENSE GRASS	#N/A	#N/A	#N/A	-	-	-	0.00	-	-	-	-	-	-	-	-	#DIV/0!
A-02	1100	-	-	-	-	-	-	-	-	-	-	-	10.00	500	0.030	PARABOLIC GUTTER, 6" CURB, 12" SPREAD	23.44	4.1	2.04	12.94
A-03	1700	-	-	-	-	-	-	-	-	-	-	-	10.00	600	0.020	27" RCP	77.69	11.0	0.91	-
														600	0.005	NATURAL TRAP CHANNEL B=4, Y=3, SS=3:1	42.29	2.99	3.34	-
														500	0.030	6x4 RCB	129.08	22.36	0.37	-
600	0.020	NATURAL TRAP CHANNEL B=10, Y=6, SS=3:1	68.56	9.70	1.03	-														

PEAK AND VOLUME COMPARISON TABLE

Q VALUES	EXIST. PEAK (CFS)	EXIST. VOLUME	PROP. PEAK (CFS)	PROP. VOLUME
2YR	30.3	2.00	19.5	2.18
10YR	58.0	4.17	44.7	4.38
25YR	77.6	5.89	62.9	6.12
100YR	111.4	9.20	82.8	9.43

Project: Church of Jesus Christ Simulation Run: 100 YR PROPOSED

Start of Run: 04Jun1994, 00:00 Basin Model: PROPOSED
 End of Run: 05Jun1994, 00:00 Meteorologic Model: 100 YR
 Compute Time: DATA CHANGED, RECOMPUTE Control Specifications: Control 1

Show Elements: All Elements Volume Units: IN ACRE-FT Sorting: Hydrologic

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
DA 1	0.0081406	66.2	04Jun1994, 12:04	9.57
OS 2	0.0018750	15.0	04Jun1994, 12:04	9.21
DA 3	0.0017344	13.9	04Jun1994, 12:04	9.31
DA 2	0.0014688	11.8	04Jun1994, 12:04	9.27
DA 4	0.0008125	6.5	04Jun1994, 12:04	9.21
POND 1	0.0140313	82.8	04Jun1994, 12:08	9.43
OS 1	0.0015156	12.1	04Jun1994, 12:04	9.21
OS 3	.000984375	7.9	04Jun1994, 12:04	9.21

0 25 50 100 150

GRAPHIC SCALE IN FEET

LEGEND

- B₁ BOLLARD
- EM₀ ELECTRIC METER
- PP POWER POLE
- LS₁ LIGHT STANDARD
- WM₀ WATER METER
- WV₀ WATER VALVE
- ICV₀ IRRIGATION CONTROL VALVE
- FW₀ FIRE HYDRANT
- CO₀ CLEANOUT
- MH₀ MANHOLE
- TSC₀ TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TELE₀ TELEPHONE BOX
- FL₀ FLOOD LIGHT
- FP₀ FLAG POLE
- TR₀ TRAFFIC SIGN
- PL₀ PROPERTY LINE
- X FENCE
- 613- EXISTING CONTOUR
- 450- PROPOSED CONTOUR
- DRAINAGE FLOW DIRECTION
- 100-YR FLOODPLAIN LIMITS
- DRAINAGE DIVIDE
- U 8 PROPOSED DRAINAGE AREA ID
- 1.00 AREA IN ACRES
- 7.99 Q₁₀₀ IN CUBIC FEET PER SECOND
- TC PATHS

NOTE:

- DRAINAGE HAS BEEN MODIFIED TO REMAIN IN COMPLIANCE WITH PREVIOUS APPROVED SITE PLANS.
- THE FLOW OFF THE SITE HAS NOT BEEN INCREASED FROM THE EXISTING CONDITION.

BENCH MARK LIST

BM# 22 3" BRASS DISK IN CONCRETE. STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITSTONE BLVD. (FM 1431), LOOKING NORTH.	NORTHING=10165081.63' EASTING=3092268.19' ELEV=915.4'
BM# 42 3" BRASS DISK IN CONCRETE. STANDING ON NORTH ROW OF S LYNNWOOD TRAIL WEST OF TALLOW TRL., LOOKING SOUTHEAST TOWARDS FOREST OAK PARK PLAYGROUND	NORTHING=10157771.28' EASTING=3092926.38' ELEV=884.6'
BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161606.90' EASTING=3095705.22' ELEV=895.09'
BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161621.24' EASTING=3095544.53' ELEV=898.64'
BM# 3 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER.	NORTHING=10161742.13' EASTING=3095845.30' ELEV=890.16'
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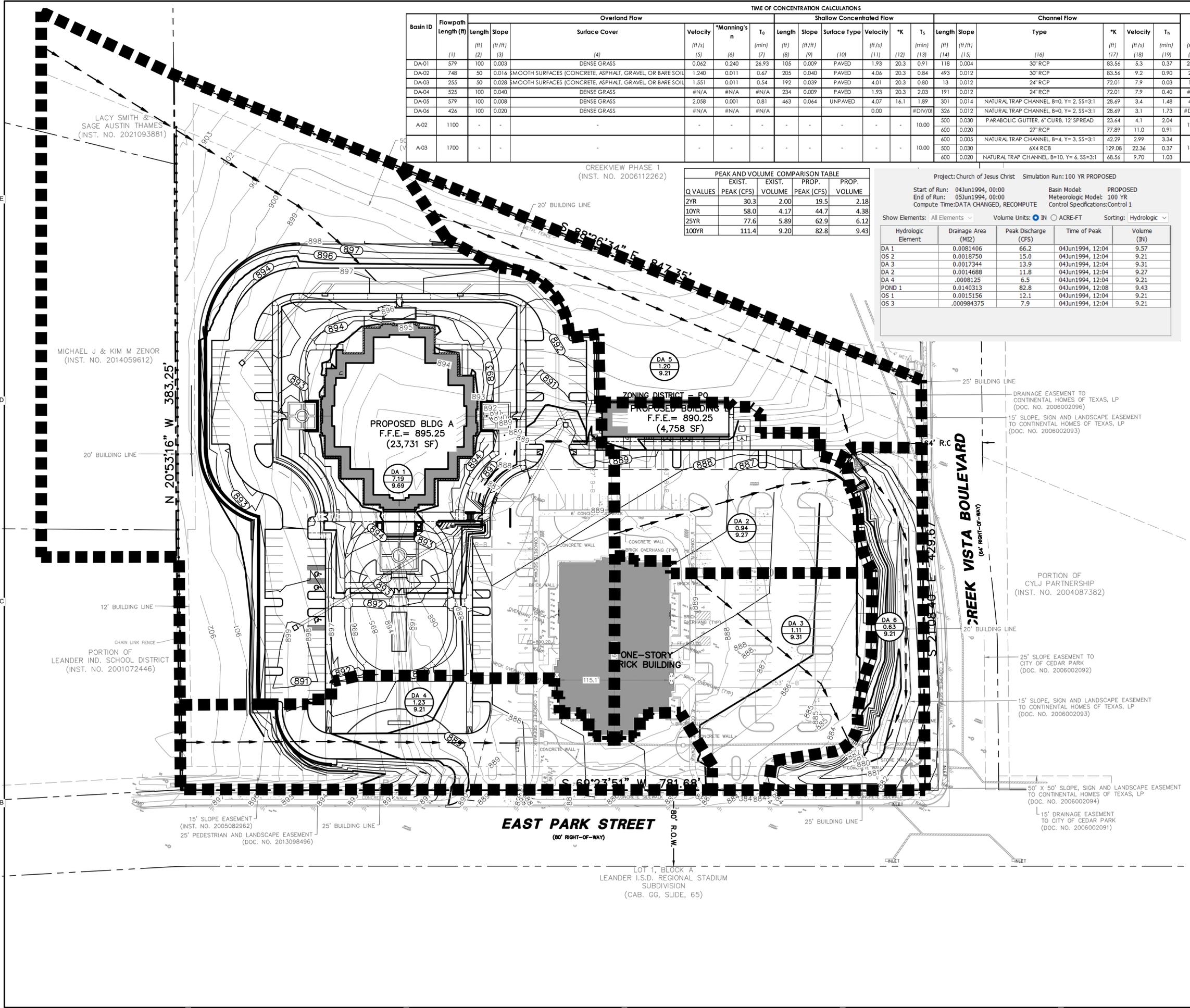


2023-27-SD
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PROPOSED DRAINAGE AREA MAP

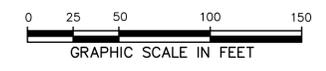
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CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

DATE REVISION



LEGEND

- B₁ BOLLARD
- EM₀ ELECTRIC METER
- PP₀ POWER POLE
- LS₀ LIGHT STANDARD
- WM₀ WATER METER
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- U₈ PROPOSED DRAINAGE AREA ID
- L₀₀ AREA IN ACRES
- Q₁₀₀ IN CUBIC FEET PER SECOND

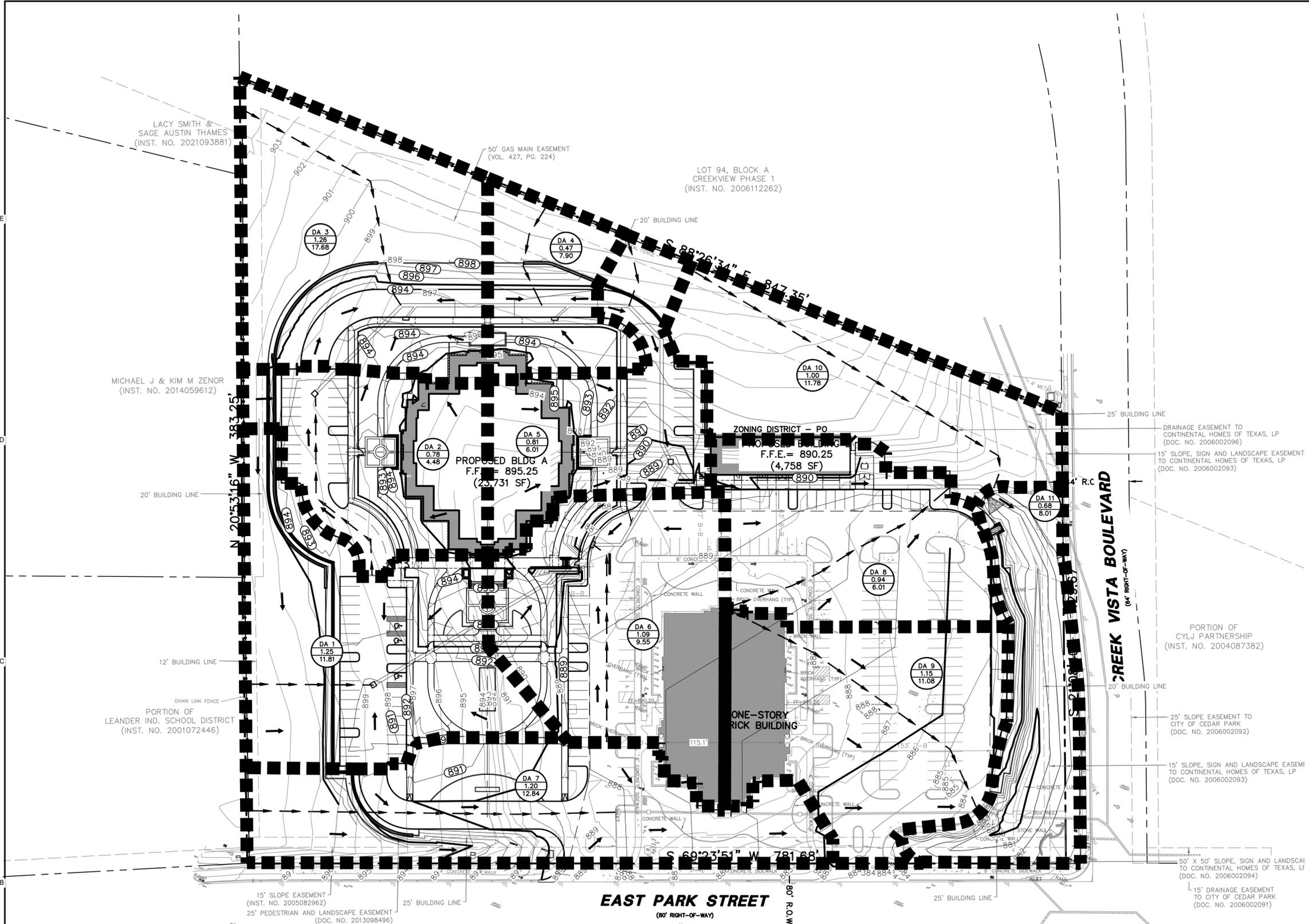


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISOR OF PLATTS & SURVEYING, STATE OF TEXAS, ON 10/16/2023. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

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NORTHING=10161917.81'
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ELEV=883.04'

2023-27-SD
CITY APPROVAL STAMP



DRAINAGE NUMBER	INLET NUMBER	AREA (acres)	SHEET FLOW										SHALLOW CONCENTRATED FLOW						CHANNEL FLOW						INTENSITY								
			C ₂	C ₁₀	C ₂₅	C ₁₀₀	Length (ft)	Slope (ft/ft)	Surface Cover	Velocity (ft/s)	Manning's n	T _{sheet} (min)	Length (ft)	Slope (ft/ft)	Surface Type	Velocity (ft/s)	K	T _{shallow} (min)	Length (ft)	Slope (ft/ft)	Type	K (ft)	Velocity (ft/s)	T _{channel} (min)	T _c (min)	I 2yr (in/hr)	I 10yr (in/hr)	I 25yr (in/hr)	I 100yr (in/hr)	Q 2 (cfs)	Q 10 (cfs)	Q 25 (cfs)	Q 100 (cfs)
DA 1	1A-1	1.25	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.08	0.02	10.06	239.00	0.01	PAVED	2.13	20.33	1.87	126.00	0.03	30" RCP	83.56	14.47	0.15	12.07	4.58	6.84	8.44	11.24	4.17	6.32	7.94	10.86
DA 2	1A-2	0.78	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.06	0.02	13.27	146.00	0.01	PAVED	1.93	20.33	1.26	34.00	0.03	30" RCP	83.56	14.47	0.04	14.57	4.22	6.66	7.78	10.35	2.40	3.84	4.56	6.24
DA 3	1A-3	1.26	0.73	0.74	0.75	0.77	100.00	0.03	DENSE GRASS	0.02	0.24	98.65	165.00	0.03	PAVED	3.34	20.33	0.82	30.00	0.03	30" RCP	83.56	14.47	0.03	5.00	6.18	10.02	11.45	15.24	5.67	9.34	10.85	14.85
DA 4	1A-4	0.47	0.73	0.74	0.75	0.77	100.00	0.02	DENSE GRASS	0.01	0.24	114.35	4.00	0.03	PAVED	3.21	20.33	0.02	44.00	0.03	30" RCP	83.56	14.47	0.05	5.00	6.18	10.48	11.45	15.24	2.11	3.65	4.05	5.54
DA 5	1A-4	0.81	0.73	0.74	0.75	0.77	100.00	0.04	DENSE GRASS	0.02	0.24	92.44	0.04	0.04	PAVED	#DIV/0!	20.33	0.00	162.00	0.03	#N/A	#N/A	#N/A	5.00	6.18	12.17	11.45	15.24	3.64	7.30	6.98	9.55	
DA 6	1A-4	0.81	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.08	0.02	11.00	143.00	0.03	PAVED	3.34	20.33	0.71	64.00	0.03	30" RCP	83.56	14.47	0.07	5.00	6.18	12.17	11.45	15.24	3.64	7.30	6.98	9.55
DA 7	1A-4	1.09	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.07	0.02	11.60	15.00	0.01	PAVED	1.93	20.33	0.13	64.00	0.03	30" RCP	83.56	14.47	0.07	5.00	6.18	61.08	11.45	15.24	4.90	49.27	9.29	12.84
DA 8	1A-4	1.20	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.09	0.02	8.79	196.00	0.02	PAVED	3.02	20.33	1.08	64.00	0.03	#N/A	#N/A	#N/A	5.00	6.18	61.08	11.45	15.24	5.40	54.24	10.34	14.14	
DA 9	1A-4	0.94	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.09	0.02	9.35	268.00	0.02	PAVED	3.02	20.33	1.48	64.00	0.03	#N/A	#N/A	#N/A	5.00	6.18	61.08	11.45	15.24	4.23	42.49	8.10	11.08	
OS 1	1A-5	0.97	0.73	0.74	0.75	0.77	100.00	0.06	DENSE GRASS	0.02	0.24	78.60	455.00	0.04	UNPAVED	3.31	16.13	2.29	117.00	0.04	TRAP CHANNEL B=0, Y=	28.69	5.95	0.33	5.00	6.18	61.08	11.45	15.24	4.36	43.84	8.36	11.43
OS 2	1A-5	1.00	0.73	0.74	0.75	0.77	100.00	0.06	DENSE GRASS	0.02	0.24	78.60	271.00	0.04	UNPAVED	3.31	16.13	1.37	11.00	0.04	TRAP CHANNEL B=0, Y=	28.69	5.95	0.03	5.00	6.18	61.08	11.45	15.24	4.50	45.20	8.61	11.78
OS 3	1A-5	0.68	0.73	0.74	0.75	0.77	100.00	0.01	DENSE GRASS	0.01	0.24	160.95	216.00	0.01	UNPAVED	1.61	16.13	2.23	42.00	0.04	42" RCP	104.57	21.68	0.03	5.00	6.18	61.08	11.45	15.24	3.06	30.74	5.86	8.01

LACY SMITH & SAGE AUSTIN THAMES (INST. NO. 2021093881)

50' GAS MAIN EASEMENT (VOL. 427, PG. 224)

LOT 94, BLOCK A CREEKVIEW PHASE 1 (INST. NO. 2006112262)



naylor wentworth lund architects THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



Consultants

LEGEND

- Symbol list for various utilities and structures: BOLLARD, ELECTRIC METER, POWER POLE, LIGHT STANDARD, WATER METER, WATER VALVE, IRRIGATION CONTROL VALVE, FIRE HYDRANT, CLEANOUT, MANHOLE, TRAFFIC SIGNAL CONTROL, TRAFFIC SIGNAL POLE, TELEPHONE BOX, FLOOD LIGHT, FLAG POLE, TRAFFIC SIGN, 1/2-INCH IRON ROD, W/PACHECO KOCH" CAP SET, CONTROLLING MONUMENT, PROPERTY LINE, FENCE, OVERHEAD UTILITY LINE, UNDERGROUND ELECTRIC LINE, UNDERGROUND TELEPHONE LINE, UNDERGROUND CABLE LINE, UNDERGROUND WATER LINE, UNDERGROUND SANITARY SEWER LINE, PROP. FDC LOCATION, PROP. WATER VALVE, PROP. FIRE HYDRANT, PROP. WATER LINE W/ BEND, PROP. SANITARY SEWER LINE, PROP. SANITARY SEWER MANHOLE, PROP. SANITARY SEWER CLEANOUT.

MICHAEL J & KIM M ZENOR (INST. NO. 2014059612)

DISTRICT - PO

USED BUILDING B (A.758 SF)

BENCH MARK LIST

- Table of benchmark data: BM# 22 3" BRASS DISK IN CONCRETE. STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITESTONE BLVD. (FM 1431), LOOKING NORTH. BM# 42 3" BRASS DISK IN CONCRETE. STANDING ON NORTH ROW OF S LYNNWOOD TRL., WEST OF TALLOW TRL., LOOKING SOUTHEAST TOWARDS FOREST OAK PARK PLAYGROUND. BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL ± 56.87 FEET SOUTHEAST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER. BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHEAST OF 1701 EAST PARK STREET, ± 39.58 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER. BM# 3 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER. BM# 4 1/2-INCH IRON ROD WITH RED CAP SET LOCATED NORTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 161.76 FEET NORTHWEST OF THE NORTHWEST CORNER OF SAID CHURCH, ± 102.44 FEET SOUTHWEST OF A 18 FOOT BY 15 FOOT BRICK BUILDING. BM# 5 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTHEAST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 383.94 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 78.56 FEET EAST OF A CONCRETE HEADWALL. BM# 6 1/2-INCH IRON ROD WITH RED CAP SET LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 47.84 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 40.53 FEET SOUTHWEST OF A STONE WALL WITH SIGN "CREEK VIEW".

2023-27-SD CITY APPROVAL STAMP



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISION OF CLAYTON J. STROLLE, P.E. LICENSE NO. 108906, AS ATTESTED BY ME ON 04/16/2023. ALL INFORMATION ON A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

1801 EAST PARK STREET CEDAR PARK, TEXAS 78613

DATE

REVISION

STORM SEWER PLAN

22

22 OF 49

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Consultants

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

1801 EAST PARK STREET / CEDAR PARK, TEXAS

DRAWING ISSUE 10/18/2023

ISSUE DATE 10/18/2023

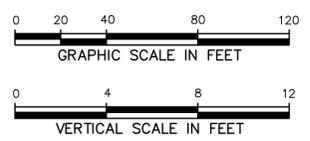
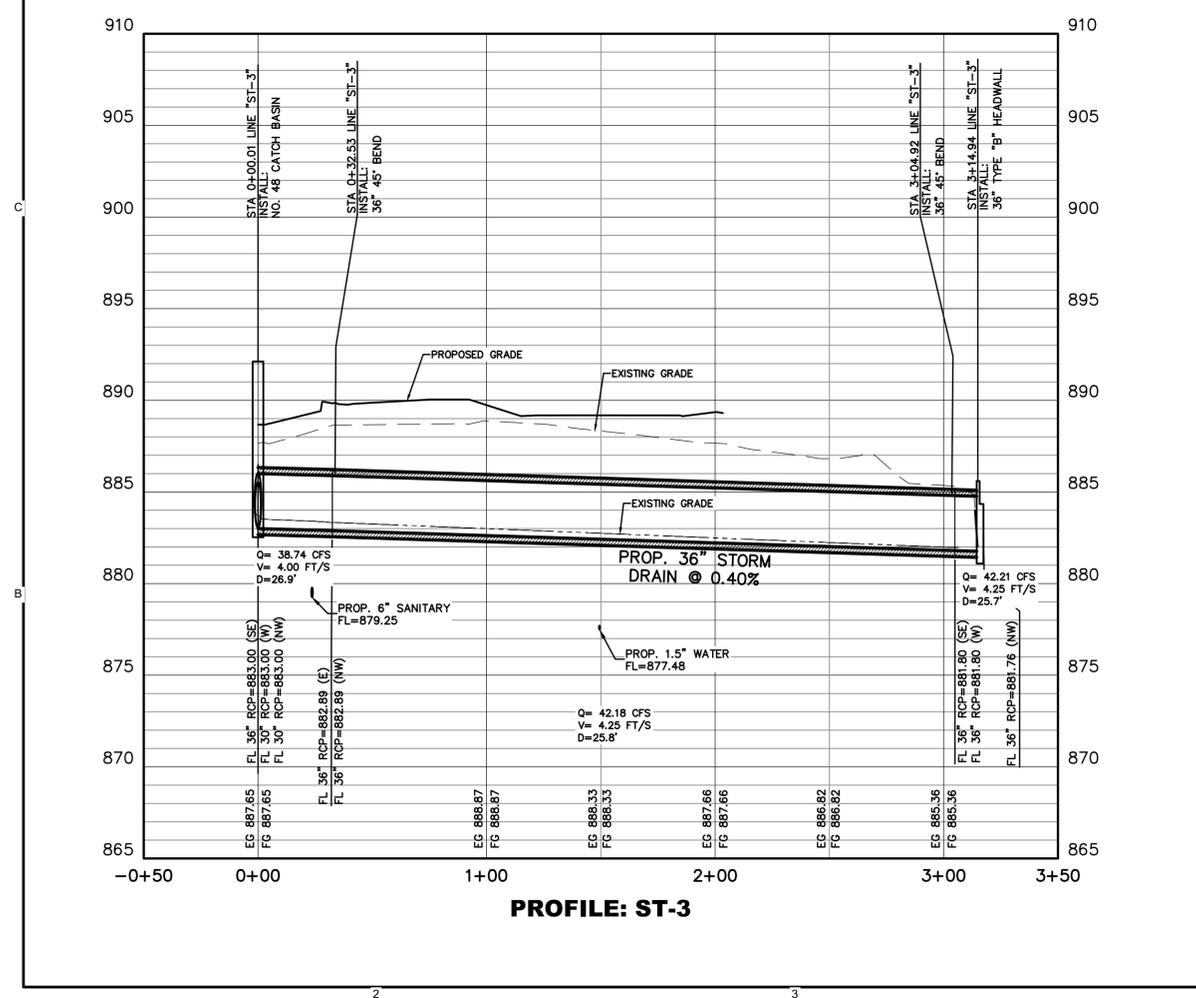
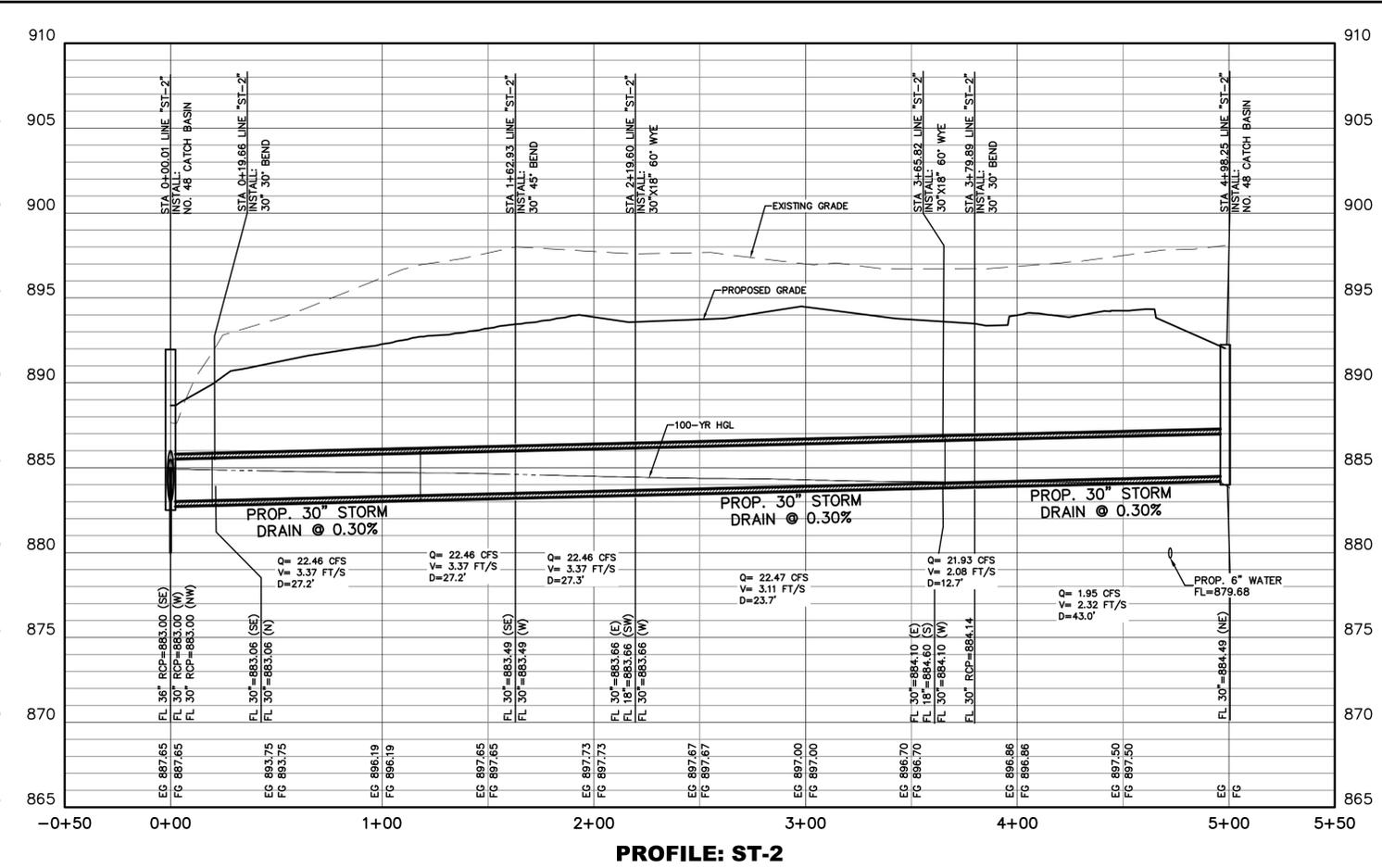
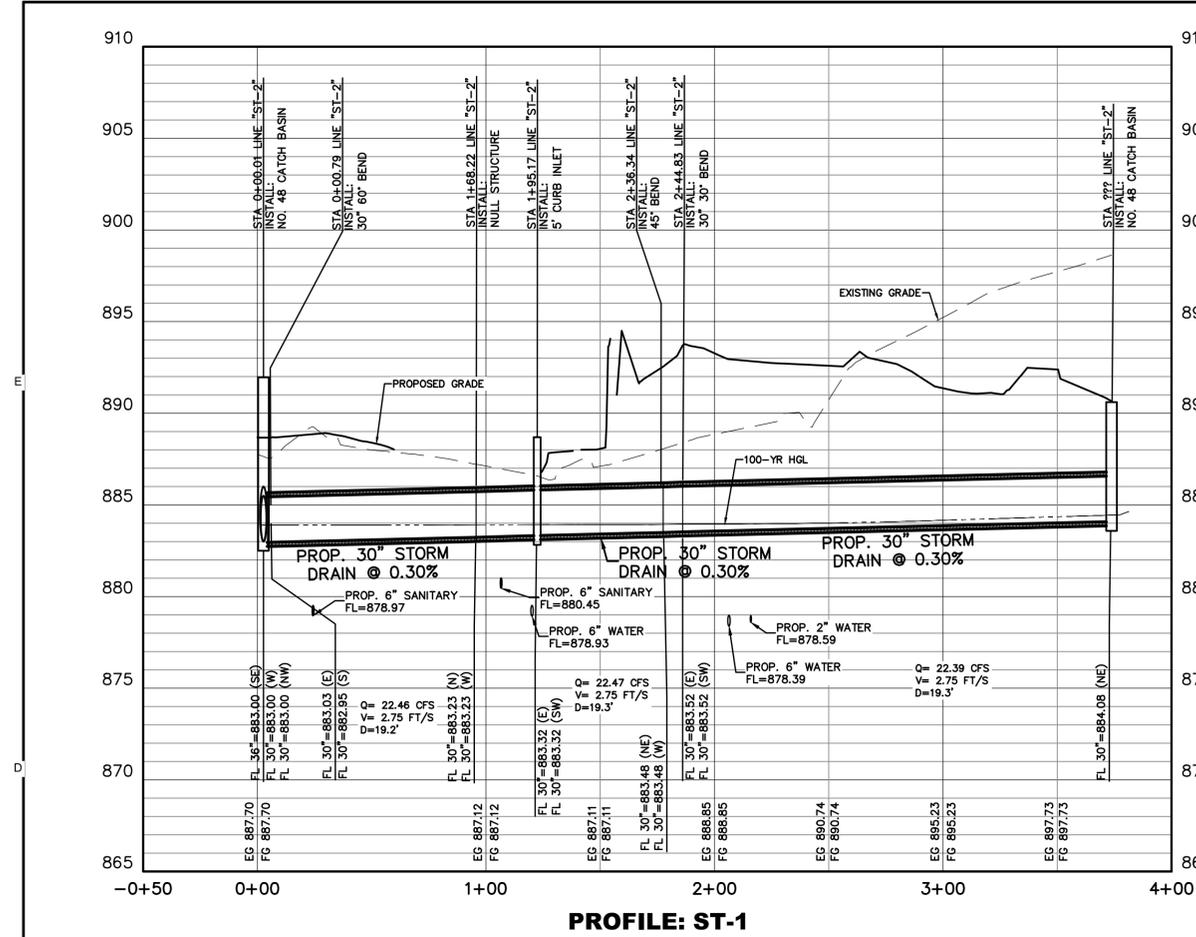
FILE PROJECT 000625.01

DATE	REVISION

STORM SEWER PROFILE

23

23 OF 49



2023-27-SD
CITY APPROVAL STAMP

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LACY SMITH & SAGE AUSTIN THAMES (INST. NO. 2021093881)

MICHAEL J & KIM M ZENOR (INST. NO. 2014059612)

LEANDER IND. SCHOOL DISTRICT (INST. NO. 2001072446)

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



Consultants

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE
1801 EAST PARK STREET CEDAR PARK, TEXAS
SITE DEVELOPMENT PERMIT
DRAWING ISSUE
10/18/2023
ISSUE DATE
10/18/2023
DATE
10/18/2023
DATE

DATE	REVISION

UTILITY PLAN
25
25 OF 49

COORDINATE!!

CONTACT:
DIG-TESS 1-800-DIG-TESS
ATMOS ENERGY 1-800-332-8667
ONCOR ELECTRIC 972-888-1359
AT&T 1-817-589-1056
CHARTER SPECTRUM 1-817-205-8177
TXU 1-800-711-9112
TEXAS ONE CALL 811
48 HOURS PRIOR TO CONSTRUCTION



LEGEND

B	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FH	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FL	FLOOD LIGHT
FF	FLAG POLE
SIGN	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/PACHECO KOCH" CAP SET
---	CONTROLLING MONUMENT
---	PROPERTY LINE
---	FENCE
---	OVERHEAD UTILITY LINE
---	UNDERGROUND ELECTRIC LINE
---	UNDERGROUND TELEPHONE LINE
---	UNDERGROUND CABLE LINE
---	UNDERGROUND WATER LINE
---	UNDERGROUND SANITARY SEWER LINE
---	PROP FDC LOCATION
---	PROP WATER VALVE
---	PROP FIRE HYDRANT
---	PROP WATER LINE W/ BEND
---	PROP SANITARY SEWER LINE
---	PROP SANITARY SEWER MANHOLE
---	PROP SANITARY SEWER CLEANOUT

REFER SHEET TO 2 FOR GENERAL NOTES

NOTE:
1. ALL MANHOLE COVERS TO READ "CITY OF CEDAR PARK
2. FIRE LINES SHALL HAVE A MINIMUM OF 42" OF COVER.

BENCH MARK LIST

BM# 22 3" BRASS DISK IN CONCRETE, STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITESTONE BLVD. (FM 1431), LOOKING NORTH.	NORTHING=10165081.83 EASTING=3092268.19 ELEV=915.4'
BM# 42 3" BRASS DISK IN CONCRETE, STANDING ON NORTH ROW OF S LYNNWOOD TRAIL, WEST OF TALLOW TRAIL, LOOKING SOUTHWEST TOWARDS FOREST OAK PARK PLAYGROUND	NORTHING=10157771.28 EASTING=3092926.38 ELEV=884.6'
BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161606.90 EASTING=3095705.22 ELEV=895.09
BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161621.24 EASTING=3095544.53 ELEV=898.64'
BM# 3 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER.	NORTHING=10161742.13 EASTING=3095845.30 ELEV=890.16'
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BM# 5 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTHEAST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 383.94 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 78.56 FEET EAST OF A CONCRETE HEADWALL.	NORTHING=10162238.14 EASTING=3096189.11 ELEV=885.16'
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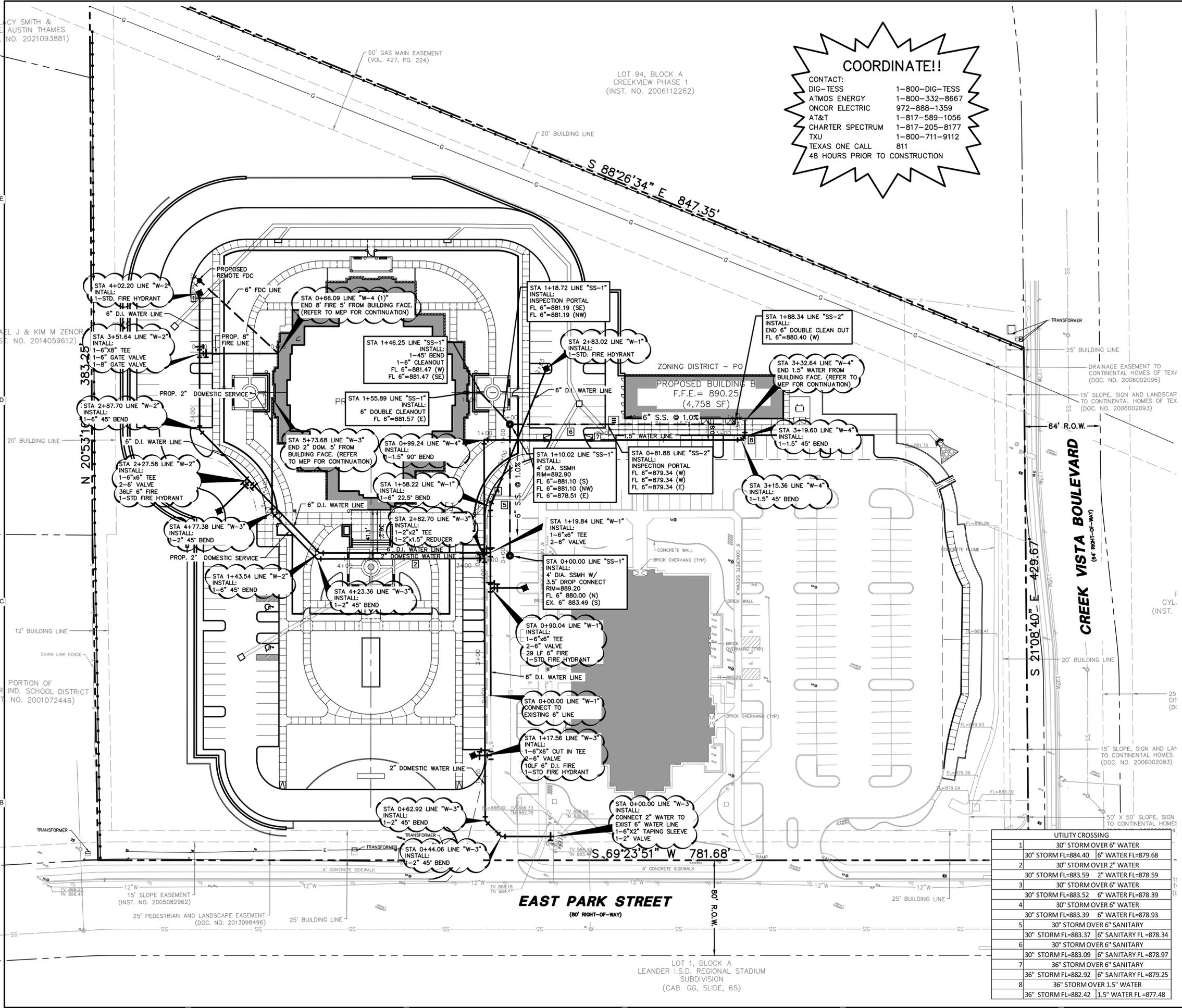
UTILITY CROSSING

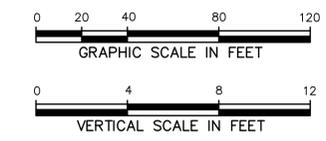
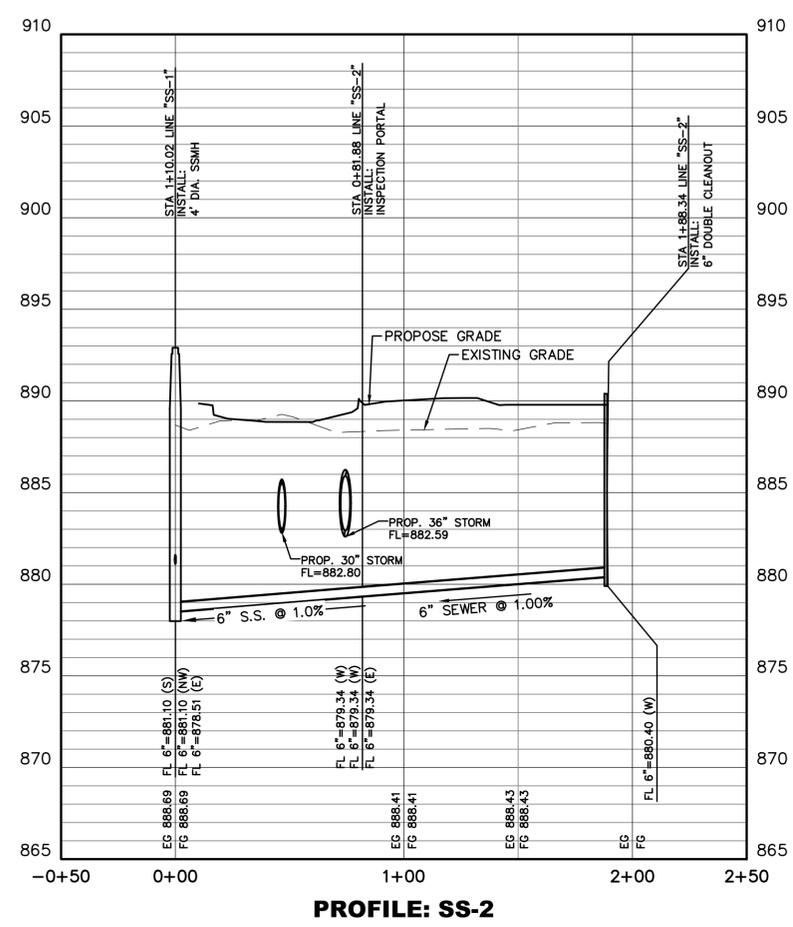
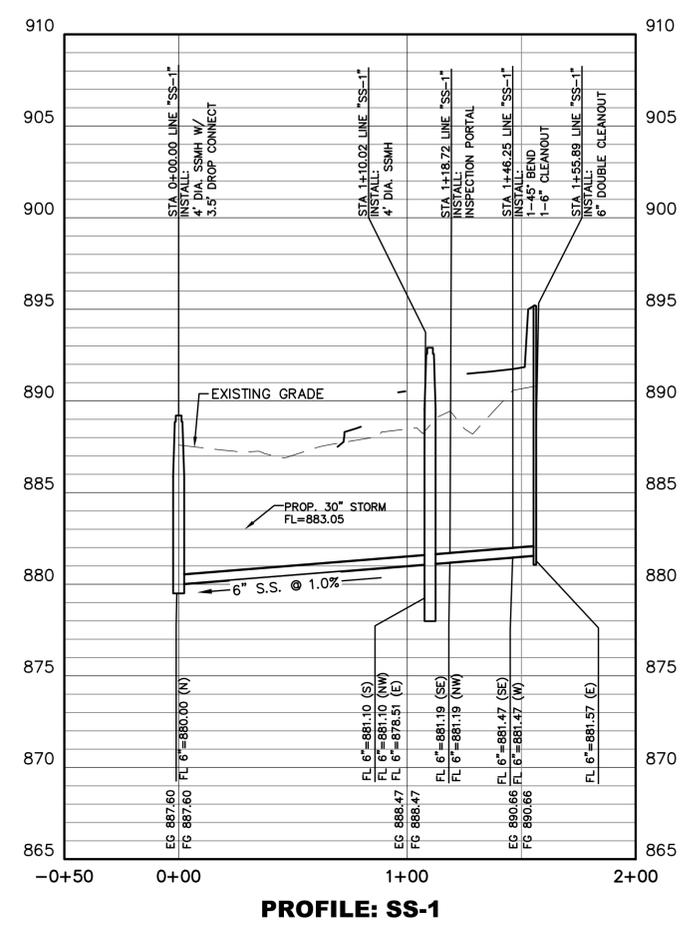
1	30" STORM OVER 6" WATER	30" STORM FL=884.40	6" WATER FL=879.68
2	30" STORM OVER 2" WATER	30" STORM FL=883.59	2" WATER FL=878.59
3	30" STORM OVER 6" WATER	30" STORM FL=883.52	6" WATER FL=878.39
4	30" STORM OVER 6" WATER	30" STORM FL=883.39	6" WATER FL=878.93
5	30" STORM OVER 6" SANITARY	30" STORM FL=883.37	6" SANITARY FL=878.34
6	30" STORM OVER 6" SANITARY	30" STORM FL=883.09	6" SANITARY FL=878.97
7	36" STORM OVER 6" SANITARY	36" STORM FL=882.92	6" SANITARY FL=879.25
8	36" STORM OVER 1.5" WATER	36" STORM FL=882.42	1.5" WATER FL=877.48



2023-27-SD
CITY APPROVAL STAMP

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SIGNATURE EXEMPTION & SHALL BE TORQUED ON 10/16/2023. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONDING ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.





2023-27-SD
 CITY APPROVAL STAMP

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naylor wentworth lund architects

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



CONSULTANTS

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

DATE REVISION

UTILITY DETAILS 1 OF 2

27

27 OF 49

NOTES:

- ALL BACKFLOW PREVENTION ASSEMBLIES SHALL HAVE LAB AND FIELD APPROVAL FROM THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
- ALL TEST PORTS SHALL BE DIRECTED UPWARD AND PLUGGED. TEST PORTS ARE LOCATED ON SERVICE SIDE. PLUGS SHALL BE NON-FERROUS.
- BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED IN THE UPRIGHT HORIZONTAL POSITION, UNLESS OTHERWISE APPROVED. BACKFLOW PREVENTION ASSEMBLIES SHALL NOT BE ROTATED ON THEIR AXIS.
- CLEARANCE SHALL BE AS INDICATED AND IN THE STANDARD CROSS CONNECTION ORDINANCES AND UCM.
- ACCESS OPENING MUST BE LARGE ENOUGH TO REMOVE LARGEST PORTION OF BACKFLOW PREVENTER, BUT NOT LESS THAN 750mm (30") IN LEAST DIMENSION.
- TEST AND MAINTENANCE REPORT SHALL BE RECEIVED BY AUSTIN WATER UTILITY'S SPECIAL SERVICE DIVISION WITHIN 5 DAYS AFTER BEING INSTALLED.
- VAULT SHALL NOT BE INSTALLED IN TRAFFIC AREA.
- VAULT DEPTH MAY NOT EXCEED 1.8m (72"), BOTTOM OF LID TO TOP OF FLOOR.
- HAND WHEELS SHALL BE HORIZONTALLY LOCATED WITHIN 300mm (12") OF ACCESS OPENING.
- FOR ACCESS DOORS SEE SPL WW-614 OR APPROVED EQUAL (H20 LOADING REQUIRED).
- FOR VAULT SEE SPL WW-298 OR APPROVED EQUAL (H20 LOADING REQUIRED).
- VAULT PIPE WALL VOIDS SHALL BE SEALED WITH NON-SHRINK GROUT OR SEALANT PER SPL WW-146A OR APPROVED EQUAL.
- THE TOP OF THE METER VAULT SHALL BE AT AN ELEVATION SUCH THAT THE SURROUNDING GROUND SLOPES AWAY FROM THE VAULT. ADDITIONAL DRAINAGE CONSIDERATION SUCH AS CONNECTION OF VAULT TO STORM SEWER, LATERAL DRAIN LINES FROM GRAVEL BED OR OTHER MEANS SHALL BE REQUIRED IF CONDITIONS CAUSE WATER TO COLLECT IN VAULT.
- Detector water meter shall be a Sensus SR II 3/4" meter with AMI radio read capability. The City of Cedar Park will provide this meter.

CITY OF CEDAR PARK	STANDARD WATER LINE INSTALLATION WITHOUT MASTER METER
ENGINEERING DEPARTMENT	ADOPTED: TBD
	SCALE: NTS
	INITIAL: TD

CITY OF CEDAR PARK
STANDARD FIRE HYDRANT INSTALLATION

ISSUED: JULY 8, 2014	THE ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
REVISED: MARCH 11, 2022	

CITY OF CEDAR PARK
STANDARD WATER LINE INSTALLATION WITHOUT MASTER METER

ADOPTED: 03/19/2020	SCALE: NTS
INITIAL: TD	

CITY OF CEDAR PARK
STANDARD WATER LINE INSTALLATION WITHOUT MASTER METER

ADOPTED: 03/19/2020	SCALE: NTS
INITIAL: TD	

CITY OF CEDAR PARK
DEPARTMENT OF PUBLIC WORKS
VER: 200918

STANDARD DETAIL FOR 1 1/2" OR 2" WATER METER SERVICE

CITY OF CEDAR PARK
DEPARTMENT OF PUBLIC WORKS
VER: 201918

STANDARD DETAIL FOR 3/4" OR 1" WATER METER SERVICE

CITY OF CEDAR PARK
DEPARTMENT OF PUBLIC WORKS
VER: 201918

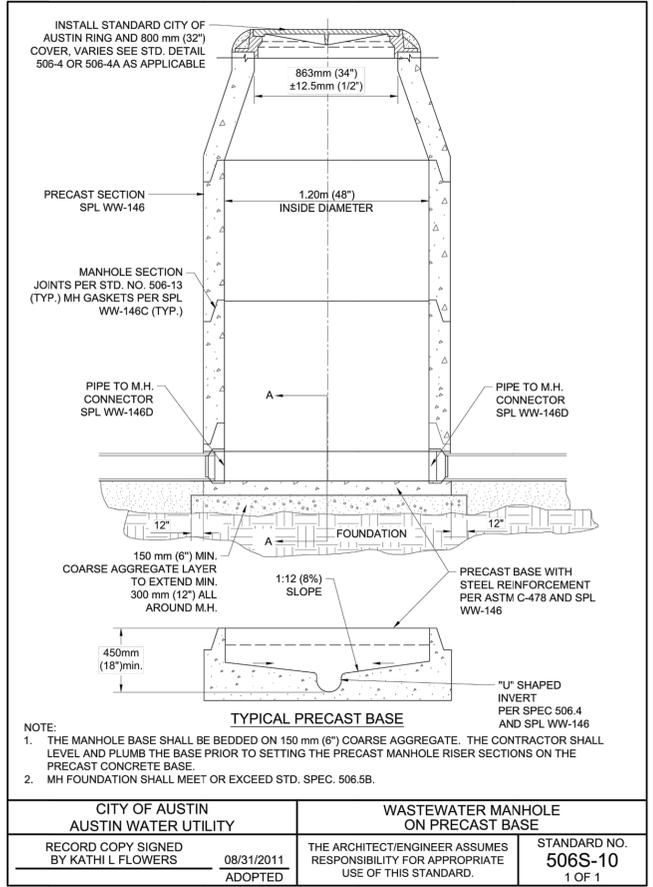
STANDARD DETAIL FOR IRRIGATION METERS



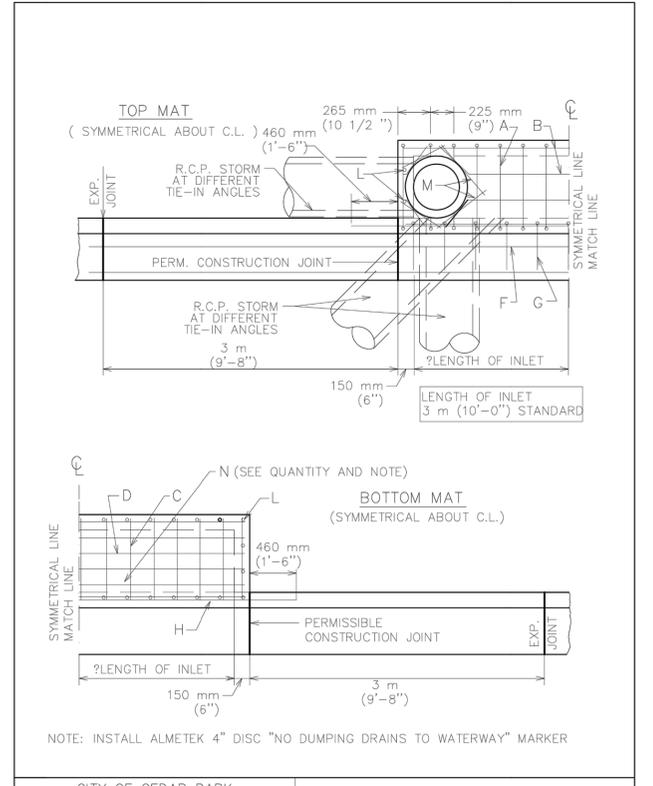
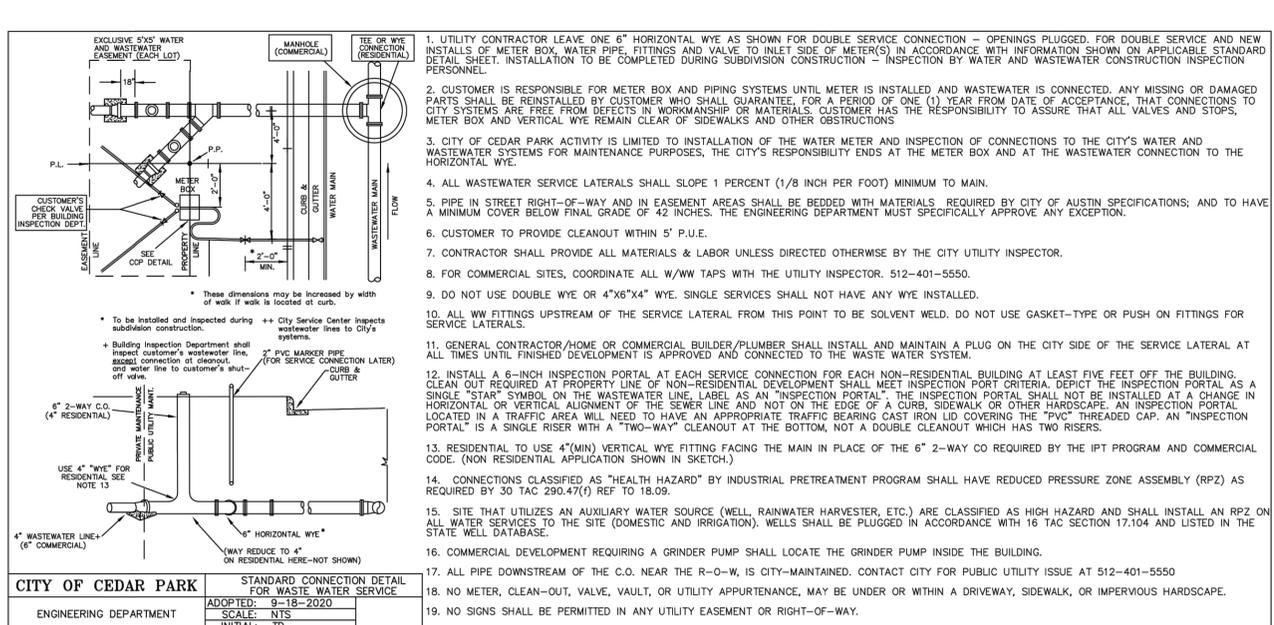
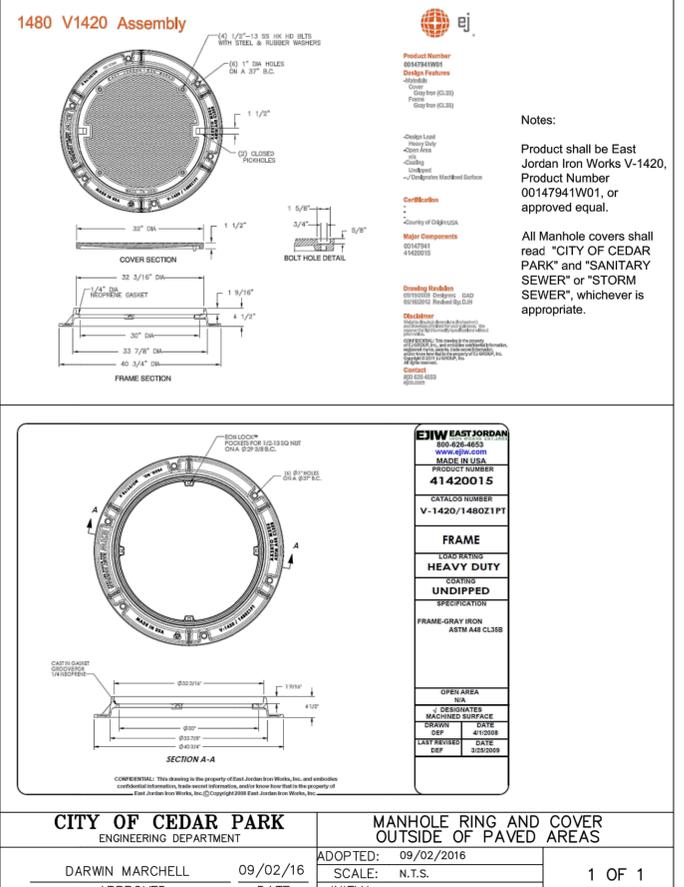
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CITY APPROVAL STAMP

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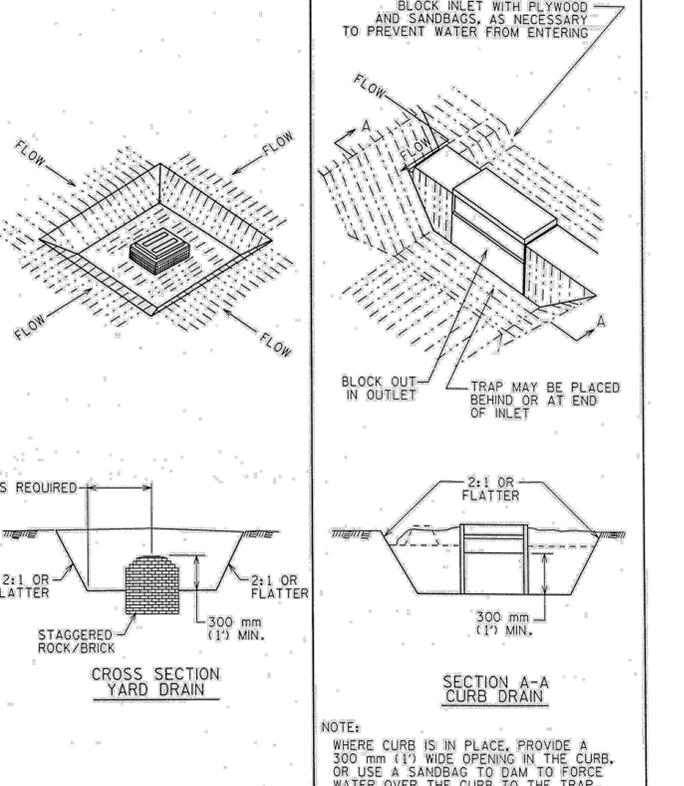
STATE OF TEXAS
CLAYTON J. STROBLE
108906
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09/01/2025
A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.



CITY OF AUSTIN AUSTIN WATER UTILITY		WASTEWATER MANHOLE ON PRECAST BASE	
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 506S-10 1 OF 1



CITY OF CEDAR PARK DEPARTMENT OF PUBLIC WORKS		TYPICAL DETAILS FOR CURB INLET	
12/03/09 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 1 OF 4	



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		STORM INLET SEDIMENT TRAP	
3-27-00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 632S-1	



naylor wentworth lund
architects

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS



Consultants

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

1801 EAST PARK STREET CEDAR PARK, TEXAS

DRAWING ISSUE

ISSUE DATE

10/18/2023

ML PROJECT

080625.01

DATE

REVISION

UTILITY
DETAILS 2 OF 2

28

28 OF 49



2023-27-SD
CITY APPROVAL STAMP

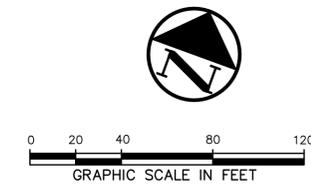
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LACY SMITH &
SAGE AUSTIN THAMES
(INST. NO. 2021093881)

LOT 94, BLOCK A
CREEKVIEW PHASE 1
(INST. NO. 2006112262)

COORDINATE!!

CONTACT:
DIG-TESS 1-800-DIG-TESS
ATMOS ENERGY 1-800-332-8667
ONCOR ELECTRIC 972-888-1359
AT&T 1-817-589-1056
CHARTER SPECTRUM 1-817-205-8177
TXU 1-800-711-9112
TEXAS ONE CALL 811
48 HOURS PRIOR TO CONSTRUCTION



LEGEND	
B	BOLLARD
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FL	FLOOD LIGHT
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(C.M.)	CONTROLLING MONUMENT
---	PROPERTY LINE
X	EXIST. FENCE
---	FIRE LANE

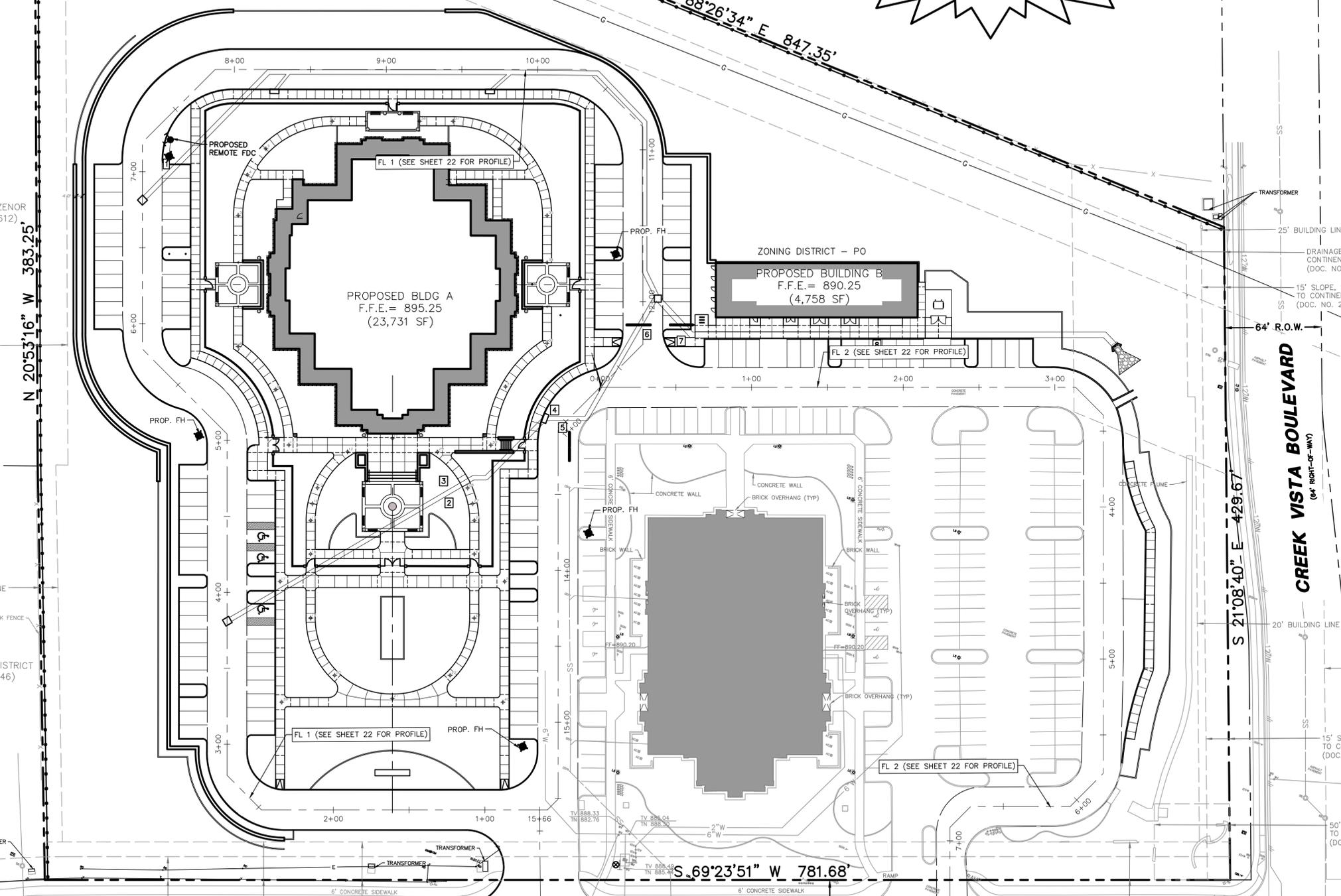


Consultants

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE
1801 EAST PARK STREET CEDAR PARK, TEXAS
SITE DEVELOPMENT PERMIT
DRAWING ISSUE DATE 10/18/2023
ISSUE DATE 10/18/2023
FILE PROJECT 00662630

DATE REVISION

FIRE PROTECTION PLAN
29
29 OF 49



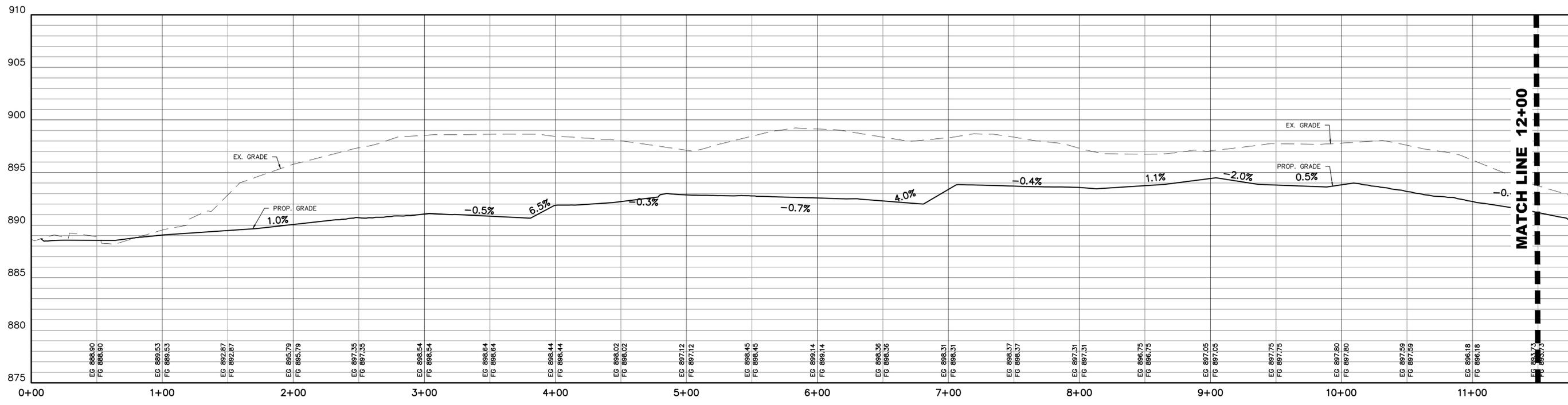
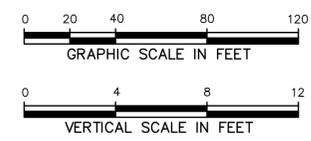
BENCH MARK LIST	
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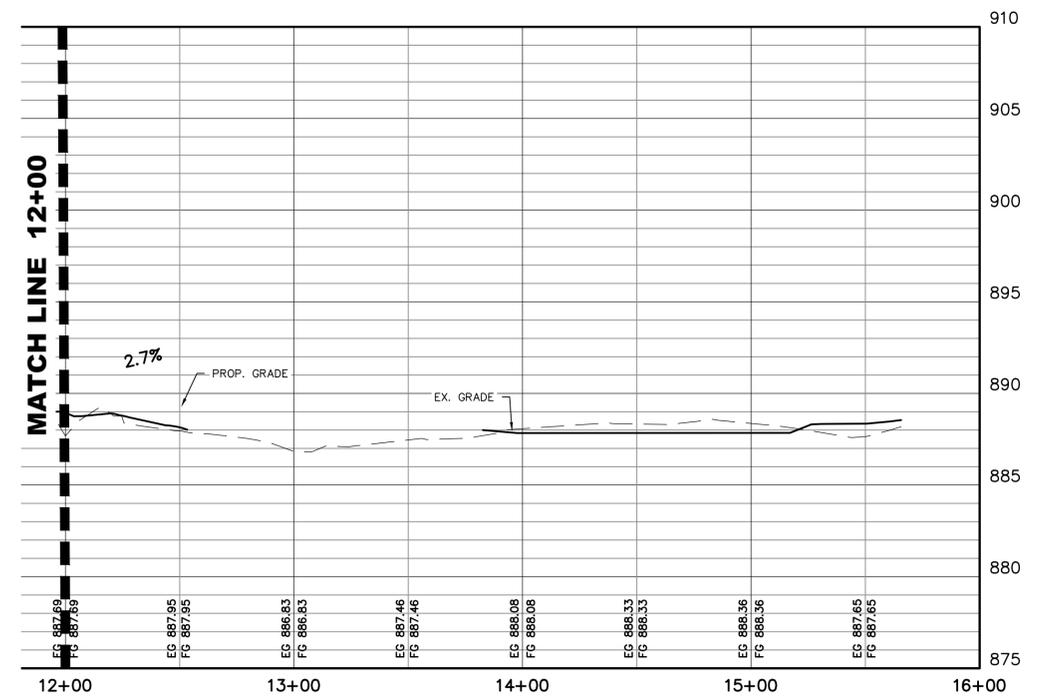
2023-27-SD
CITY APPROVAL STAMP

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1/8/2024 12:05 PM
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PROFILE: FIRE-1



PROFILE: FIRE-1



2023-27-SD
CITY APPROVAL STAMP

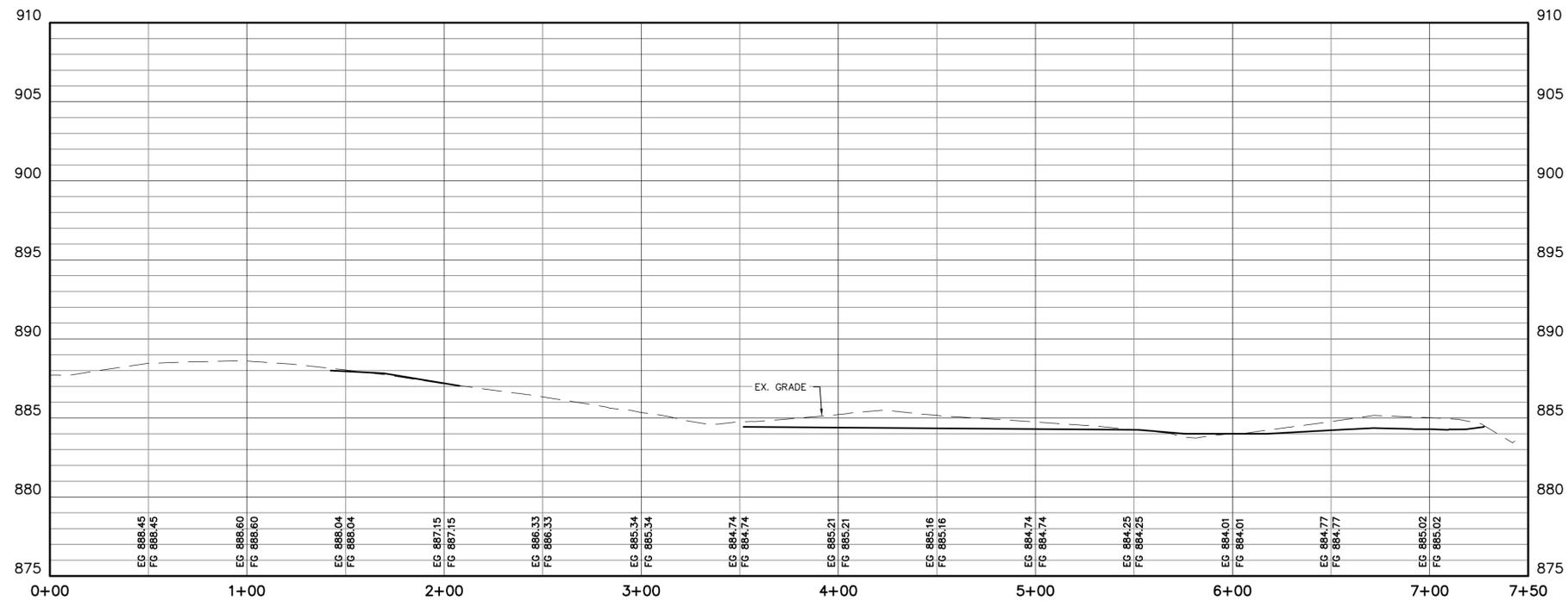
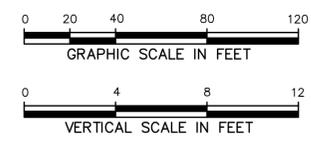
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISION OF CLAYTON J. STROLLE, LICENSE NO. 108906, REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS. NO ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

1807 EAST PARK STREET / CEDAR PARK, TEXAS
DRAWING ISSUE
ISSUE DATE: 10/18/2023
PROJECT: 030625.01

DATE	REVISION

FIRE PROTECTION
PROFILES 1 OF 2
30
30 OF 49



PROFILE: FIRE-2



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Attachment N – Inspection, Maintenance, Repair and Retrofit Plan

Batch Detention

- Batch detention basins may have somewhat higher maintenance requirements than an extended detention basin since they are active stormwater controls. The maintenance activities are identical to those of extended detention basins with the addition of maintenance and inspections of the automatic controller and the valve at the outlet.
- Inspections. Inspections should take place a minimum of twice a year. One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. The remaining inspections should occur between storm events so that manual operation of the valve and controller can be verified. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. The outlet structure and the trash screen should be inspected for signs of clogging. Debris and sediment should be removed from the orifice and outlet(s) as described in previous sections. Debris obstructing the valve should be removed. During each inspection, erosion areas inside and downstream of the BMP should be identified and repaired/revegetated immediately.
- Mowing. The basin, basin side-slopes, and embankment of the basin must be mowed to prevent woody growth and control weeds. A mulching mower should be used, or the grass clippings should be caught and removed. Mowing should take place at least twice a year, or more frequently if vegetation exceeds 18 inches in height. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas.
- Litter and Debris Removal. Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the outlet structure. The outlet should be checked for possible clogging or obstructions and any debris removed.
- Erosion control. The basin side slopes and embankment all may periodically suffer from slumping and erosion. To correct these problems, corrective action, such as regarding and revegetation, may be necessary. Correction of erosion control should take place whenever required based on the periodic inspections.
- Nuisance Control. Standing water or soggy conditions may occur in the basin. Some standing water may occur after a storm event since the valve may close within 2 to 3 inches of water in the basin. Some flow into the basin may also occur between storms due to spring flow and residential water use that enters the

storm sewer system. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weeds, odors, algae, etc.).

- Structural Repairs and Replacement. With each inspection, any damage to structural elements of the basin (pipes, concrete drainage structures, retaining wall, etc.) should be identified and repaired immediately. An example of this type of repair can include patching of cracked concrete, sealing of voids, removal of vegetation from cracks and joints. The various inlet/outlet structures in a basin will eventually deteriorate and must be replaced.
- Sediment Removal. A properly designed batch detention basin will accumulate quantities of sediment over time. The accumulated sediment can detract from the appearance of the facility and reduce the pollutant removal performance of the facility. The sediment also tends to accumulate near the outlet structure and can interfere with the level sensor operation. Sediment shall be removed from the basin at least every 5 years, when sediment depth exceeds 6 inches, when the sediment interferes with the level sensor or when the basin does not drain within 48 hours. Care should be taken no to compromise the basin lining during maintenance.
- Logic Controller. The Logic Controller should be inspected as part of the twice-yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. At the end of the inspection, the controller should be reset.



Engineer Signature

Clayton Strolle

Printed Name

Director, land

Title

12/11/2023

Date



Owner Signature

Michael J. Thomsen

Printed Name

Authorized Agent

Title

12/8/2023

Date

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: Clayton Strolle, P.E.

Date: 12/8/2023

Signature of Customer/Agent:



Regulated Entity Name: Church of Jesus Christ of Latter-day Saints, a Utah corporation sole

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: South Brushy Creek

Temporary Best Management Practices (TBMPs)

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

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

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

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

Soil Stabilization Practices

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

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

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

Administrative Information

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

Attachment A – Spill Response Actions

In accordance with the Edwards Aquifer Technical Guidance on Best Management Practices Operators, the following actions will be followed to ensure appropriate measures are taken in the case of a spill:

Education

- Be aware that different materials pollute in different amounts. Make sure that each employee knows what a “significant spill” is for each material they use, and what is the appropriate response for “significant” and “insignificant” spills. Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.
- Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
- Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
- Establish a continuing education program to indoctrinate new employees.
- Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

- To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
- Store hazardous materials and wastes in covered containers and protect from vandalism.
- Place a stockpile of spill cleanup materials where it will be readily accessible.
- Train employees in spill prevention and cleanup.
- Designate responsible individuals to oversee and enforce control measures.
- Spills should be covered and protected from stormwater run on during rainfall to the extent that it doesn't compromise cleanup activities.
- Do not bury or wash spills with water.
- Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.
- Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
- Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.
- Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
- Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup

- Clean up leaks and spills immediately.
- Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.
- Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

Minor Spills

- Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.
- Use absorbent materials on small spills rather than hosing down or burying the spill.
- Absorbent materials should be promptly removed and disposed of properly.
- Follow the practice below for a minor spill:
- Contain the spread of the spill.
- Recover spilled materials.
- Clean the contaminated area and properly dispose of contaminated materials.

Semi-Significant Spills

- Contain spread of the spill.
- Notify the project foreman immediately.
- If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

- Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110, 119, and 302, the contractor should notify the National Response Center at (800) 424-8802.
- Notification should first be made by telephone and followed up with a written report.
- The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

Spills, Discharges, and Releases

- Report an environmental emergency, discharge, spill, or air release. Links to rules, law, technical assistance, waste management, State Emergency Response Commission.
- Please contact TCEQ emergencies for reportable quantities using the link below:
https://www.tceq.texas.gov/response/spills/spill_rq.html

To report an environmental emergency, discharge, spill, or air release, contact:

State

- State of Texas Spill-Reporting Hotline and the SERC: 1-800-832-8224 --- 24 hours a day
- TCEQ Regional Office, Monday-Friday, 8 a.m. – 5 p.m.

Federal

- National Response Center: 1-800-424-8802 (notifying the NRC does not constitute to the state)

Attachment B – Potential Sources of Contamination

The following are potential sources of surface and groundwater contamination from construction activities:

- Clearing and grubbing
- Grading and site excavation
- Vehicle tracking
- Topsoil stripping and stockpiling
- Landscaping operations
- Staging and storage area
- Paving (including curb and gutter)
- Building Construction
- Concrete washout area

Attachment C – Sequence of Major Activities

The following sequence of construction is included in the construction plans:

1. Temporary erosion controls, silt fencing and tree protection fencing to be installed.
Estimated area disturbed = 4.0 ac
Estimated timing = 1 week
2. Pre-construction meeting to be held on-site.
Estimated area disturbed = n/a ac
Estimated timing = 1 day
3. Demolition of existing materials.
Estimated area disturbed = 4.0 ac
Estimated timing = 6 weeks
4. Site staking and rough grading.
Estimated area disturbed = 4.0 ac
Estimated timing = 6 weeks
5. Storm sewers to be installed.
Estimated area disturbed = 4.0 ac
Estimated timing = 8 weeks
6. Water, wastewater and paving improvements to begin.
Estimated area disturbed = 4.0 ac
Estimated timing = 8 weeks
7. Temporary erosion control measures to be inspected on a regular basis; any sediment buildup to be removed.
Estimated area disturbed = n/a ac
Estimated timing = 1 week
8. Site to be cleaned up and revegetated.
Estimated area disturbed = 4.0 ac
Estimated timing = 6 weeks
9. Temporary erosion controls to be removed after permanent restoration of site is established.
Estimated area disturbed = n/a
Estimated timing = 1 week

Attachment D – Temporary Best Management Practices and Measures

The following temporary best management practices will be conducted to prevent pollution of surface water, groundwater, and stormwater in accordance with the Edwards Aquifer Technical Guidance on Best Management Practices.

Temporary Vegetation

Vegetation will be used as a temporary stabilization technique for areas disturbed by construction, but not covered by pavement, buildings, or other structures. As a temporary control, vegetation will be used to stabilize stockpiles and barren areas that are inactive for long periods of time.

Dust Control

Dust control will prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards and improve traffic safety. This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

Temporary Construction Entrance/Exit

The temporary gravel construction entrance will provide a stable entrance/exit condition from the construction site and keep mud and sediment off public roads. A stabilized construction entrance is a stabilized pad of crushed stone located at any point traffic will be entering or leaving the construction site from a public right-of way, street, alley, sidewalk or parking area. The stabilized construction entrance will reduce or eliminate the tracking or flowing of sediment onto public rights of-way. This practice should be used at all points of construction ingress and egress.

Silt Fence

A silt fence is a barrier consisting of geotextile fabric supported by metal posts to prevent soil and sediment loss from a site. Proposed silt fences will be highly effective at controlling sediment from disturbed areas. They cause runoff to pond, allowing heavier solids to settle out.

Inlet Protection

All proposed inlets that may receive storm runoff from disturbed areas should be protected. Temporary inlet protection is a series of different measures that provide protection against silt transport or accumulation in storm sewer systems. This clogging can greatly reduce or completely stop the flow in the pipes. The different measures are used for different site conditions and inlet types. Filter barrier protection using silt fence is appropriate when the drainage area is less than one acre, and the basin slope is less than five percent. This type of protection is not applicable in paved areas. Block and gravel protection is used when flows exceed 0.5 cubic feet per second, and it is necessary to allow for overtopping to prevent flooding. This form of protection is also useful for curb type inlets as it works well in paved areas. Wire mesh and gravel protection is used when flows exceed 0.5 cubic feet per second and construction traffic may occur over the inlet. This form of protection may be used with both curb and drop inlets.

Concrete Washout Area

The purpose of concrete washout areas is to prevent or reduce the discharge of pollutants to stormwater from concrete waste by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors.

The following steps will help reduce stormwater pollution from concrete wastes: • Incorporate requirements for concrete waste management into material supplier and subcontractor agreements.

- Avoid mixing excess amounts of fresh concrete.
- Perform washout of concrete trucks in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped onsite, except in designated areas.

For onsite washout:

- Locate washout area at least 50 feet from sensitive features, storm drains, open ditches, or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly.

Attachment F – Structural Practices

Stormwater will be routed through the proposed silt fence and inlet protection for pollutant removal. The proposed permanent BMPs are to be constructed as to intercept stormwater flowing from the parking lots, streets, building roofs, and other impervious areas. The fence will provide temporary sedimentation control during construction prior to the permanent BMPs being finalized. No part of the site or placement of the structural practices will be encumbered by floodplain as shown on FEMA #48491C0470F.

Attachment G – Drainage Area Map

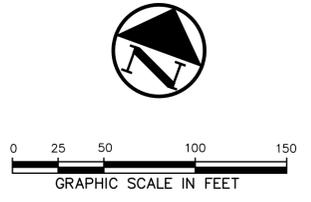
Westwood

Project: Church of Jesus Christ Simulation Run: 100YR INITIAL EX

Start of Run: 04Jun1994, 00:00 Basin Model: Initial Ex.
 End of Run: 05Jun1994, 00:00 Meteorologic Model: 100 YR
 Compute Time: DATA CHANGED, RECOMPUTE Control Specifications: Control 1

Show Elements: All Elements Volume Units: IN ACRE-FT Sorting: Hydrologic

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
Ex. 1	0.0202344	111.4	04Jun1994, 12:11	9.20

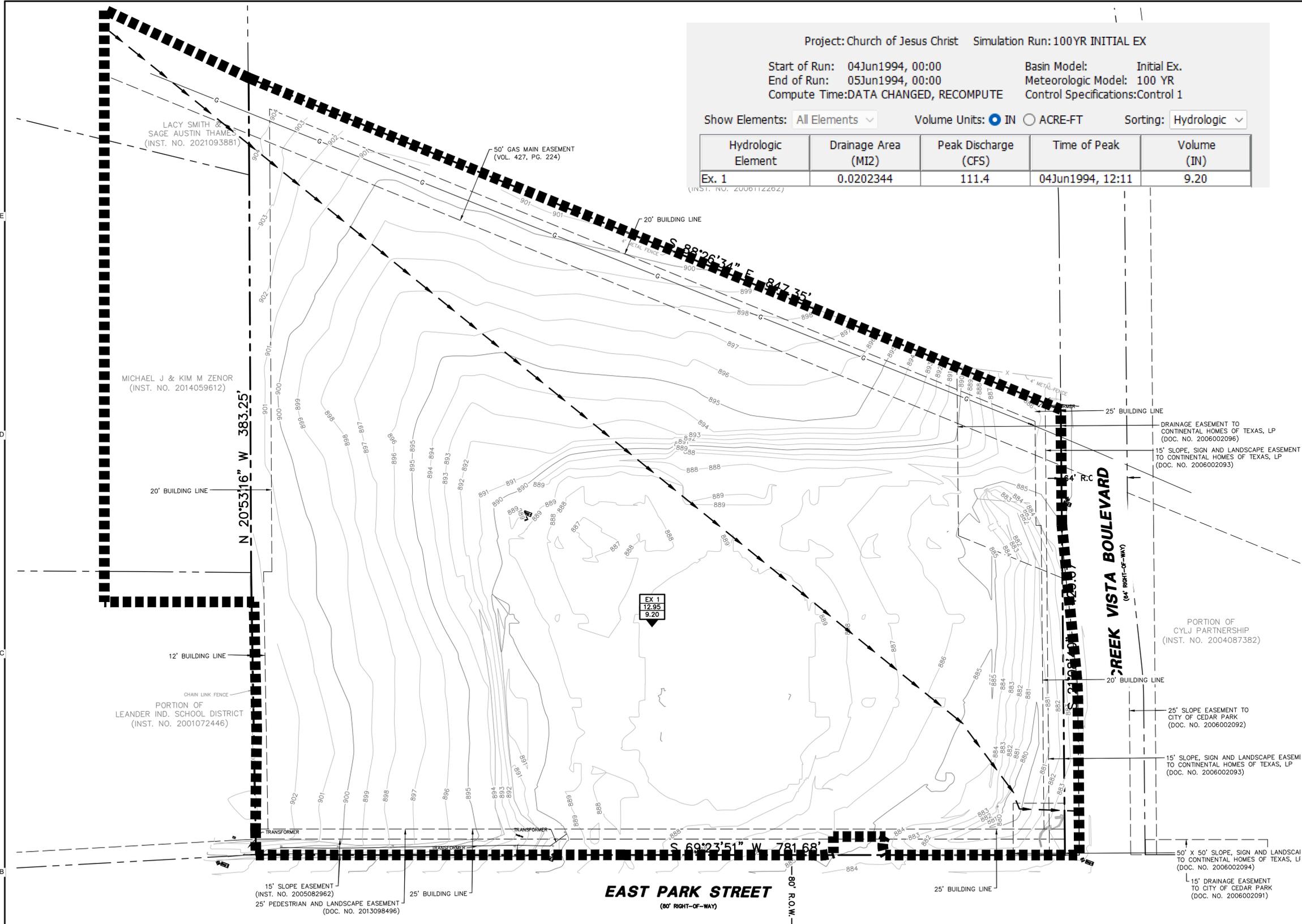


LEGEND

BL	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FD	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FL	FLOOD LIGHT
FP	FLAG POLE
SIG	TRAFFIC SIGN
---	PROPERTY LINE
-X-	FENCE
---	EXISTING CONTOUR
→	DRAINAGE FLOW DIRECTION
---	100-YR FLOODPLAIN LIMITS
---	DRAINAGE DIVIDE

EX 8
1.00
7.99

EXISTING DRAINAGE AREA ID
AREA IN ACRES
Q₁₀₀ IN CUBIC FEET PER SECOND



EX 1
12.95
9.20

BENCH MARK LIST

BM# 22 3" BRASS DISK IN CONCRETE, STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITESTONE BLVD. (FM 1431), LOOKING NORTH.
 NORTHING=10165081.63'
 EASTING=3092268.19'
 ELEV=915.4'

BM# 42 3" BRASS DISK IN CONCRETE, STANDING ON NORTH ROW OF S LYNNWOOD TRAIL, WEST OF TALLOW TRAIL, LOOKING SOUTHEAST TOWARDS FOREST OAK PARK PLAYGROUND
 NORTHING=10157771.28'
 EASTING=3092926.38'
 ELEV=884.6'

BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.
 NORTHING=10161606.90'
 EASTING=3095705.22'
 ELEV=895.09'

BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.
 NORTHING=10161621.24'
 EASTING=3095544.53'
 ELEV=898.64'

BM# 3 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER.
 NORTHING=10161742.13'
 EASTING=3095845.30'
 ELEV=890.16'

BM# 4 1/4-INCH IRON ROD WITH RED CAP SET LOCATED NORTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 161.76 FEET NORTHWEST OF THE NORTHWEST CORNER OF SAID CHURCH, ± 102.44 FEET SOUTHWEST OF A 18 FOOT BY 15 FOOT BRICK BUILDING.
 NORTHING=10162036.38'
 EASTING=3095705.95'
 ELEV=890.18'

BM# 5 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTHEAST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 383.94 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 78.56 FEET EAST OF A CONCRETE HEADWALL.
 NORTHING=10162238.14'
 EASTING=3096189.11'
 ELEV=885.16'

BM# 6 1/4-INCH IRON ROD WITH RED CAP SET LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 47.84 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 40.53 FEET SOUTHWEST OF A STONE WALL WITH SIGN 'CREEK VIEW'.
 NORTHING=10161917.81'
 EASTING=3096325.34'
 ELEV=883.04'

TIME OF CONCENTRATION CALCULATIONS

Basin ID	Flowpath Length (ft)	Overland Flow			Shallow Concentrated Flow					Channel Flow					T _c (min)					
		Length (ft)	Slope (ft/ft)	Surface Cover	Velocity (ft/s)	Manning's n	T ₀ (min)	Length (ft)	Slope (ft/ft)	Surface Type	Velocity (ft/s)	*K	T _s (min)	Length (ft)		Slope (ft/ft)	Type	*K	Velocity (ft/s)	T _b (min)
E-01	579	100	0.022	DENSE GRASS	0.137	0.24	12.14	1028	0.054	UNPAVED	3.74	14.1	4.58	52	0.069	42" RCP	104.57	27.5	0.03	14.75



2023-27-SD
CITY APPROVAL STAMP

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS AUSTIN, TEXAS TEMPLE

EXISTING DRAINAGE AREA MAP

19

19 OF 49

TIME OF CONCENTRATION CALCULATIONS

Basin ID	Flowpath Length (ft)	Overland Flow			Shallow Concentrated Flow					Channel Flow					Tc (min)					
		Length (ft)	Slope (ft/ft)	Surface Cover	Velocity (ft/s)	Manning's n	To (min)	Length (ft)	Slope (ft/ft)	Surface Type	Velocity (ft/s)	*K	Ts (min)	Length (ft)		Slope (ft/ft)	Type	*K	Velocity (ft/s)	Ts (min)
DA-01	579	100	0.003	DENSE GRASS	0.062	0.240	26.93	105	0.009	PAVED	1.93	20.3	0.91	118	0.004	30" RCP	83.56	5.3	0.37	28.21
DA-02	748	50	0.016	SMOOTH SURFACES (CONCRETE, ASPHALT, GRAVEL OR BARE SOIL)	1.240	0.011	0.67	205	0.040	PAVED	4.06	20.3	0.84	493	0.012	30" RCP	83.56	9.2	0.90	2.41
DA-03	255	50	0.028	SMOOTH SURFACES (CONCRETE, ASPHALT, GRAVEL OR BARE SOIL)	1.551	0.011	0.54	192	0.039	PAVED	4.01	20.3	0.80	13	0.012	24" RCP	72.01	7.9	0.03	1.36
DA-04	525	100	0.040	DENSE GRASS	#N/A	#N/A	#N/A	234	0.009	PAVED	1.93	20.3	2.03	191	0.012	24" RCP	72.01	7.9	0.40	#N/A
DA-05	579	100	0.008	DENSE GRASS	2.058	0.001	0.81	463	0.064	UNPAVED	4.07	16.1	1.89	301	0.014	NATURAL TRAP CHANNEL B=0, Y=2, S5=3:1	28.69	3.4	1.48	4.18
DA-06	426	100	0.020	DENSE GRASS	#N/A	#N/A	#N/A	-	-	-	0.00	-	-	-	#DIV/0!	-	-	-	-	#DIV/0!
A-02	1100	-	-	-	-	-	-	-	-	-	-	-	10.00	500	0.030	PARABOLIC GUTTER, 6" CURB, 12" SPREAD	23.44	4.1	2.04	12.94
A-03	1700	-	-	-	-	-	-	-	-	-	-	-	10.00	600	0.020	NATURAL TRAP CHANNEL B=4, Y=3, S5=3:1	42.29	2.99	3.34	14.75
														500	0.030	6x4 RCB	129.08	22.36	0.37	
														600	0.020	NATURAL TRAP CHANNEL B=10, Y=6, S5=3:1	68.56	9.70	1.03	

PEAK AND VOLUME COMPARISON TABLE

Q VALUES	EXIST. PEAK (CFS)	EXIST. VOLUME	PROP. PEAK (CFS)	PROP. VOLUME
2YR	30.3	2.00	19.5	2.18
10YR	58.0	4.17	44.7	4.38
25YR	77.6	5.89	62.9	6.12
100YR	111.4	9.20	82.8	9.43

Project: Church of Jesus Christ Simulation Run: 100 YR PROPOSED

Start of Run: 04Jun1994, 00:00 Basin Model: PROPOSED
 End of Run: 05Jun1994, 00:00 Meteorologic Model: 100 YR
 Compute Time: DATA CHANGED, RECOMPUTE Control Specifications: Control 1

Show Elements: All Elements Volume Units: IN ACRE-FT Sorting: Hydrologic

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
DA 1	0.0081406	66.2	04Jun1994, 12:04	9.57
OS 2	0.0018750	15.0	04Jun1994, 12:04	9.21
DA 3	0.0017344	13.9	04Jun1994, 12:04	9.31
DA 2	0.0014688	11.8	04Jun1994, 12:04	9.27
DA 4	0.0008125	6.5	04Jun1994, 12:04	9.21
POND 1	0.0140313	82.8	04Jun1994, 12:08	9.43
OS 1	0.0015156	12.1	04Jun1994, 12:04	9.21
OS 3	.000984375	7.9	04Jun1994, 12:04	9.21

0 25 50 100 150

GRAPHIC SCALE IN FEET

LEGEND

- B BOLLARD
- EM ELECTRIC METER
- FP POWER POLE
- LS LIGHT STANDARD
- WM WATER METER
- WV WATER VALVE
- ICV IRRIGATION CONTROL VALVE
- FH FIRE HYDRANT
- CO CLEANOUT
- MH MANHOLE
- TSC TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TE TELEPHONE BOX
- FL FLOOD LIGHT
- FP TRAFFIC SIGN
- PRO PROPERTY LINE
- X FENCE
- 613 EXISTING CONTOUR
- 450 PROPOSED CONTOUR
- DR DRAINAGE FLOW DIRECTION
- 100-YR FLOODPLAIN LIMITS
- DR DRAINAGE DIVIDE

U 8 PROPOSED DRAINAGE AREA ID
 1.00 AREA IN ACRES
 7.99 Q100 IN CUBIC FEET PER SECOND

TC PATHS

NOTE:
 1. DRAINAGE HAS BEEN MODIFIED TO REMAIN IN COMPLIANCE WITH PREVIOUS APPROVED SITE PLANS.
 2. THE FLOW OFF THE SITE HAS NOT BEEN INCREASED FROM THE EXISTING CONDITION.

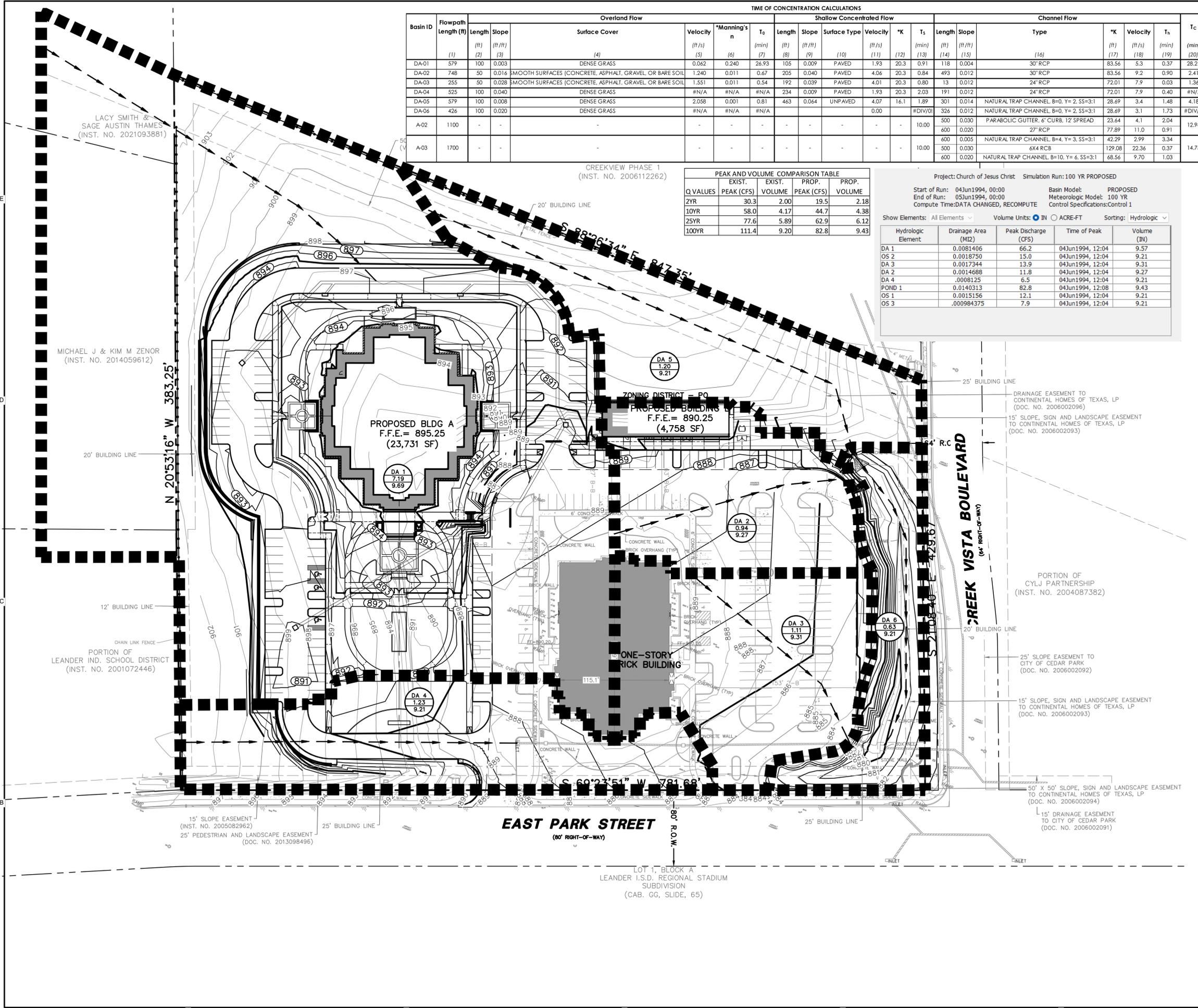
BENCH MARK LIST

BM# 22 3" BRASS DISK IN CONCRETE. STANDING ON EAST ROW OF COTTONWOOD CREEK (CR 185), NORTH OF E. WHITSTONE BLVD. (FM 1431), LOOKING NORTH.	NORTHING=10165081.63 EASTING=3092268.19 ELEV=915.4'
BM# 42 3" BRASS DISK IN CONCRETE. STANDING ON NORTH ROW OF S LYNNWOOD TRAIL WEST OF TALLOW TRL., LOOKING SOUTHEAST TOWARDS FOREST OAK PARK PLAYGROUND	NORTHING=10157771.28 EASTING=3092926.38 ELEV=884.6'
BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161606.90 EASTING=3095705.22 ELEV=895.09'
BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.	NORTHING=10161621.24 EASTING=3095544.53 ELEV=898.64'
BM# 3 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 40.14 FEET SOUTHWEST OF THE WEST ENTRANCE OF SAID CHURCH, ± 9.58 FEET SOUTH OF AN ELECTRIC TRANSFORMER.	NORTHING=10161742.13 EASTING=3095845.30 ELEV=890.16'
BM# 4 1/2-INCH IRON ROD WITH RED CAP SET LOCATED NORTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS ± 161.76 FEET NORTHWEST OF THE NORTHWEST CORNER OF SAID CHURCH, ± 102.44 FEET SOUTHWEST OF A 18 FOOT BY 15 FOOT BRICK BUILDING.	NORTHING=10162036.38 EASTING=3095705.95 ELEV=890.18'
BM# 5 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTHEAST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 383.94 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 78.56 FEET EAST OF A CONCRETE HEADWALL.	NORTHING=10162238.14 EASTING=3096189.11 ELEV=885.16'
BM# 6 1/2-INCH IRON ROD WITH RED CAP SET LOCATED SOUTHWEST OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, ± 47.84 FEET NORTHWEST OF THE INTERSECTION OF EAST PARK STREET AND CREEK VISTA BOULEVARD, ± 40.53 FEET SOUTHWEST OF A STONE WALL WITH SIGN 'CREEK VIEW'.	NORTHING=10161917.81 EASTING=3096325.34 ELEV=883.04'

2023-27-SD
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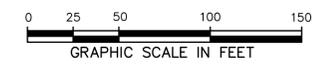
CLAYTON J. STROLLE
 108906

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SUPERVISION OF CLAYTON J. STROLLE, P.E. FOR THE ORIGINAL DESIGN OR ALTERATION OF A SEALED DOCUMENT WITHOUT PRIOR NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.



CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, TEXAS TEMPLE

TSELMIRE 1/11/2024 1:59 PM N:\060824\00\06 CAD\DWG\SITE DESIGN CSD\06040824\00PROP_DAMS.DWG



LEGEND

- B₁ BOLLARD
- EM₀ ELECTRIC METER
- PP₀ POWER POLE
- LS₀ LIGHT STANDARD
- WM₀ WATER METER
- WV₀ WATER VALVE
- ICV₀ IRRIGATION CONTROL VALVE
- FH₀ FIRE HYDRANT
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- 1.00 AREA IN ACRES
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NOTE:
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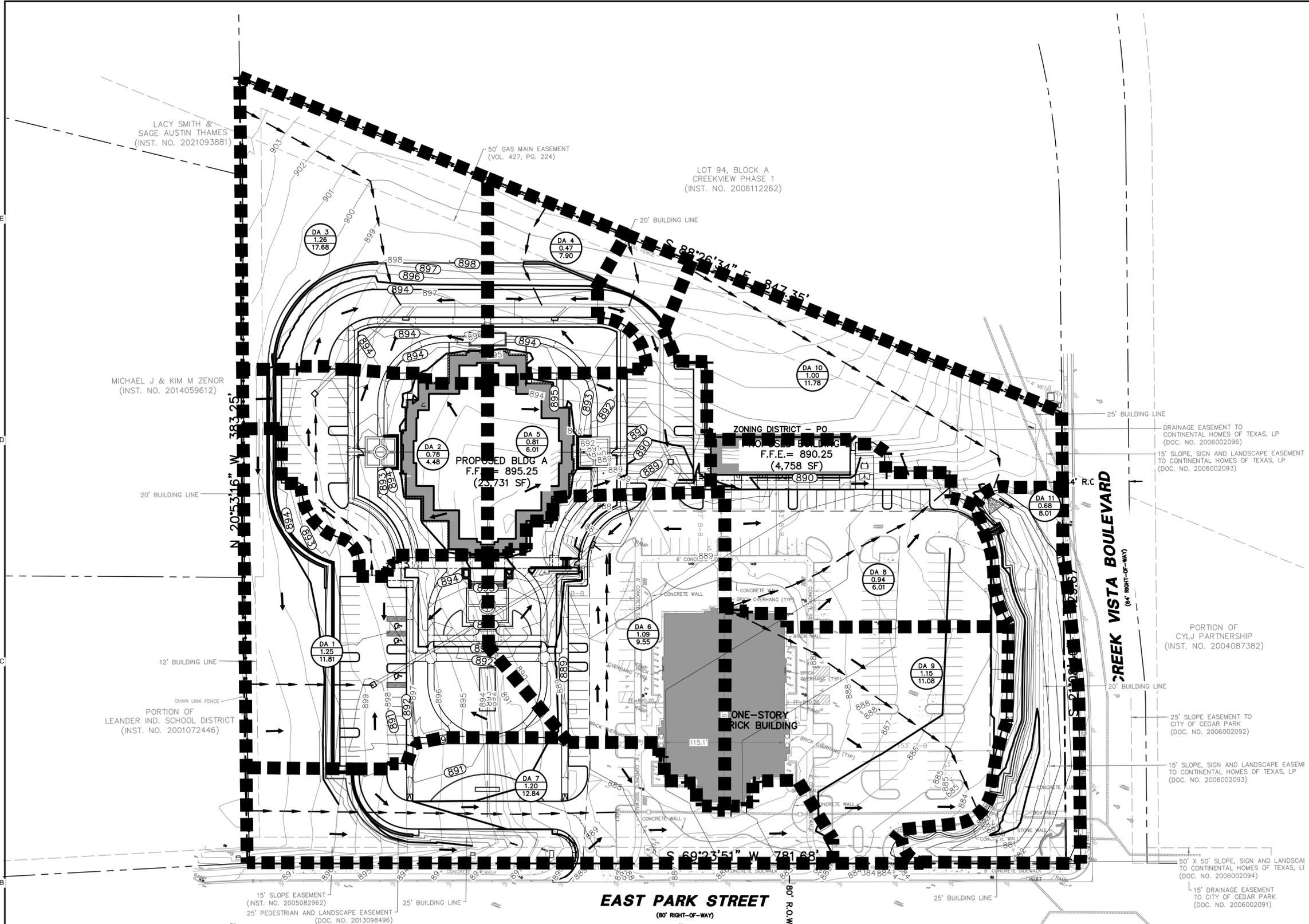


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 NORTHING=10165081.83
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- BM# 1 "X" CUT IN CONCRETE SIDEWALK LOCATED NORTH OF REGAN ELEMENTARY SCHOOL, ± 56.87 FEET SOUTHWEST OF TWO WATER VALVES FOUND IN EAST PARK STREET, ± 40.38 FEET NORTHWEST OF AN ELECTRIC TRANSFORMER.
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- BM# 2 "X" CUT IN CONCRETE SIDEWALK LOCATED SOUTHEAST OF 1701 EAST PARK STREET, ± 39.59 FEET EAST OF THE ENTRANCE TO 1701 EAST PARK STREET, ± 30.99 FEET SOUTHWEST OF AN ELECTRIC TRANSFORMER.
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 NORTHING=10161917.81
 EASTING=3096325.34
 ELEV=883.04'

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DRAINAGE NUMBER	INLET NUMBER	AREA (acres)	SHEET FLOW										SHALLOW CONCENTRATED FLOW						CHANNEL FLOW						INTENSITY								
			C ₂	C ₁₀	C ₂₅	C ₁₀₀	Length (ft)	Slope (ft/ft)	Surface Cover	Velocity (ft/s)	Manning's n	T _{sheet} (min)	Length (ft)	Slope (ft/ft)	Surface Type	Velocity (ft/s)	K	T _{shallow} (min)	Length (ft)	Slope (ft/ft)	Type	K (ft)	Velocity (ft/s)	T _{channel} (min)	T _c (min)	I 2yr (in/hr)	I 10yr (in/hr)	I 25yr (in/hr)	I 100yr (in/hr)	Q 2 (cfs)	Q 10 (cfs)	Q 25 (cfs)	Q 100 (cfs)
DA 1	1A-1	1.25	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.08	0.02	10.06	239.00	0.01	PAVED	2.13	20.33	1.87	126.00	0.03	30" RCP	83.56	14.47	0.15	12.07	4.58	6.84	8.44	11.24	4.17	6.32	7.94	10.86
DA 2	1A-2	0.78	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.06	0.02	13.27	146.00	0.01	PAVED	1.93	20.33	1.26	34.00	0.03	30" RCP	83.56	14.47	0.04	14.57	4.22	6.66	7.78	10.35	2.40	3.84	4.56	6.24
DA 3	1A-3	1.26	0.73	0.74	0.75	0.77	100.00	0.03	DENSE GRASS	0.02	0.24	98.65	165.00	0.03	PAVED	3.34	20.33	0.82	30.00	0.03	30" RCP	83.56	14.47	0.03	5.00	6.18	10.02	11.45	15.24	5.67	9.34	10.85	14.85
DA 4	1A-4	0.47	0.73	0.74	0.75	0.77	100.00	0.02	DENSE GRASS	0.01	0.24	114.35	4.00	0.03	PAVED	3.21	20.33	0.02	44.00	0.03	30" RCP	83.56	14.47	0.05	5.00	6.18	10.48	11.45	15.24	2.11	3.65	4.05	5.54
DA 5	1A-4	0.81	0.73	0.74	0.75	0.77	100.00	0.04	DENSE GRASS	0.02	0.24	92.44	0.04	0.04	#DIV/0!	20.33	0.00	162.00	0.03	#N/A	#N/A	#N/A	5.00	6.18	12.17	11.45	15.24	3.64	7.30	6.98	9.55		
DA 6	1A-4	0.81	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.08	0.02	11.00	143.00	0.03	PAVED	3.34	20.33	0.71	64.00	0.03	30" RCP	83.56	14.47	0.07	5.00	6.18	12.17	11.45	15.24	3.64	7.30	6.98	9.55
DA 7	1A-4	1.09	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.07	0.02	11.60	15.00	0.01	PAVED	1.93	20.33	0.13	64.00	0.03	30" RCP	83.56	14.47	0.07	5.00	6.18	61.08	11.45	15.24	4.90	49.27	9.29	12.84
DA 8	1A-4	1.20	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.09	0.02	8.79	196.00	0.02	PAVED	3.02	20.33	1.08	64.00	0.03	#N/A	#N/A	#N/A	5.00	6.18	61.08	11.45	15.24	5.40	54.24	10.34	14.14	
DA 9	1A-4	0.94	0.73	0.74	0.75	0.77	50.00	0.01	CONCRETE	0.09	0.02	9.35	268.00	0.02	PAVED	3.02	20.33	1.48	64.00	0.03	#N/A	#N/A	#N/A	5.00	6.18	61.08	11.45	15.24	4.23	42.49	8.10	11.08	
OS 1	1A-5	0.97	0.73	0.74	0.75	0.77	100.00	0.06	DENSE GRASS	0.02	0.24	78.60	455.00	0.04	UNPAVED	3.31	16.13	2.29	117.00	0.04	TRAP CHANNEL B=0, Y=	28.69	5.95	0.33	5.00	6.18	61.08	11.45	15.24	4.36	43.84	8.36	11.43
OS 2	1A-5	1.00	0.73	0.74	0.75	0.77	100.00	0.06	DENSE GRASS	0.02	0.24	78.60	271.00	0.04	UNPAVED	3.31	16.13	1.37	11.00	0.04	TRAP CHANNEL B=0, Y=	28.69	5.95	0.03	5.00	6.18	61.08	11.45	15.24	4.50	45.20	8.61	11.78
OS 3	1A-5	0.68	0.73	0.74	0.75	0.77	100.00	0.01	DENSE GRASS	0.01	0.24	160.95	216.00	0.01	UNPAVED	1.61	16.13	2.23	42.00	0.04	42" RCP	104.57	21.68	0.03	5.00	6.18	61.08	11.45	15.24	3.06	30.74	5.86	8.01

Attachment H – Temporary Sediment Pond Plans and Calculations

A rough-cut water quality pond will be utilized for the temporary sedimentation removal on-site and is to be graded in accordance with the following plan sheet provided. Revegetation or placement of underdrain piping shall not be carried out until the site construction phase is completed.

Attachment I – Inspection and Maintenance for BMPs

The following inspection and maintenance guidelines for the temporary best management practices will be followed in accordance with the Edwards Aquifer Technical Guidance on Best Management Practices. Inspections of the Temporary BMPs will be documented in an inspection report. Inspection reports will document maintenance activities, sediment removal and modifications to the sediment and erosion controls.

Temporary Vegetation

1. Temporary vegetation should be inspected weekly and after each rain event to locate and repair any erosion.
2. Erosion from storms or other damage should be repaired as soon as practical by regrading the area and applying new seed.
3. If the vegetated cover is less than 80%, the area should be reseeded.

Dust Control

1. When dust is evident during dry weather, reapply dust control BMPs.

Temporary Construction Entrance/Exit

1. Inspect all fencing weekly, and after any rainfall.
2. Remove sediment when buildup reaches 6 inches.
3. Replace any torn fabric or install a second line of fencing parallel to the torn section. (4) 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.
4. 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.

Silt Fence

1. Inspect all fencing weekly, and after any rainfall.
2. Remove sediment when buildup reaches 6 inches.
3. Replace any torn fabric or install a second line of fencing parallel to the torn section.
4. 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.
5. 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.

Inlet Protection

1. Inspection should be made weekly and after each rainfall. Repair or replacement should be made promptly as needed by the contractor.
2. Remove sediment when buildup reaches a depth of 3 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not erode.
3. Check placement of device to prevent gaps between device and curb.
4. Inspect filter fabric and patch or replace if torn or missing.

5. Structures should be removed and the area stabilized only after the remaining drainage area has been properly stabilized.

Concrete Washout Area

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

Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

Seeding of the disturbed area will be on-going after completion of the rough grading process. Temporary seeding will be utilized until permanent landscaping is installed. Seeding will occur on any areas that are undisturbed for a period of 14 days. If construction progress is stopped for a period of 14 days, soil stabilization practices must be initiated by the contractor. Permanent landscaping will be provided as soon as final grades are achieved and the final paving and building operations are completed. Bare soils should be seeded or other wise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days.



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

IMPORTANT INFORMATION

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

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

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

ePERMITS

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

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

APPLICATION FEE AND PAYMENT

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

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

Provide your payment information for verification of payment:

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

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

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

If Yes, provide the authorization number here: TXR15

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

SECTION 1. OPERATOR (APPLICANT)

a) If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? CN not yet assigned

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

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

The Church of Jesus Christ of Latter-day Saints, a Utah corporation sole

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

Prefix (Mr. Ms. Miss): Mr.

First and Last Name: Michael Thomson Suffix:

Title: Director Credentials:

Phone Number: 817-600-5558 Fax Number:

E-mail: thomsonmj@churchofjesuschrist.org, stephanie.galindo@turntown.com

Mailing Address: 50 E North Temple Street, 10th Floor

City, State, and Zip Code: Salt Lake City, Utah 84150

Mailing Information if outside USA:

Territory:

Country Code: Postal Code:

d) Indicate the type of customer:

- | | |
|---|---|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Federal Government |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> County Government |
| <input type="checkbox"/> General Partnership | <input type="checkbox"/> State Government |
| <input type="checkbox"/> Trust | <input type="checkbox"/> City Government |
| <input type="checkbox"/> Sole Proprietorship (D.B.A.) | <input type="checkbox"/> Other Government |
| <input checked="" type="checkbox"/> Corporation | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Estate | |

e) Is the applicant an independent operator? Yes No

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

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

0-20

251-500

21-100

501 or higher

101-250

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

State Franchise Tax ID Number: 1-23-7300405-5

Federal Tax ID: 87-0234341

Texas Secretary of State Charter (filing) Number: N/A

DUNS Number (if known): 07-300-7411

SECTION 2. APPLICATION CONTACT

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

Yes, go to Section 3

No, complete this section

Prefix (Mr. Ms. Miss): Mr.

First and Last Name: Clayton Strolle Suffix:

Title: Director, Commercial Credential: P.E.

Organization Name: Westwood Professional Services

Phone Number: 512-485-0831 Fax Number:

E-mail: clayton.strolle@westwoodps.com

Mailing Address: 8701 N. Mopac Expwy, Ste. 320

Internal Routing (Mail Code, Etc.):

City, State, and Zip Code: Austin, Texas, 78759

Mailing information if outside USA:

Territory:

Country Code: Postal Code:

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

a) If this is an existing permitted site, what is the Regulated Entity Number (RN) issued to this site? RN N/A

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

- b) Name of project or site (the name known by the community where it's located):
The Church of Jesus Christ of Latter-day Saints, a Utah corporation sole
- c) In your own words, briefly describe the type of construction occurring at the regulated site (residential, industrial, commercial, or other): One Temple and one maintenance building.
- d) County or Counties (if located in more than one): Williamson County
- e) Latitude: 30.516590 Longitude: -97.795640
- f) Site Address/Location

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

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

Section A:

Street Number and Name: 1801 E Park Street
City, State, and Zip Code: Cedar Park, TX 78613

Section B:

Location Description:
City (or city nearest to) where the site is located:
Zip Code where the site is located:

SECTION 4. GENERAL CHARACTERISTICS

- a) Is the project or site located on Indian Country Lands?
 - Yes, do not submit this form. You must obtain authorization through EPA Region 6.
 - No
- b) Is your construction activity associated with a facility that, when completed, would be associated with the exploration, development, or production of oil or gas or geothermal resources?
 - Yes. Note: The construction stormwater runoff may be under jurisdiction of the Railroad Commission of Texas and may need to obtain authorization through EPA Region 6.
 - No
- c) What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site? 8661-07
- d) What is the Secondary SIC Code(s), if applicable?
- e) What is the total number of acres to be disturbed? 2.44
- f) Is the project part of a larger common plan of development or sale?

Yes

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

- g) What is the estimated start date of the project? June 2024
- h) What is the estimated end date of the project? August 2026
- i) Will concrete truck washout be performed at the site? Yes No
- j) What is the name of the first water body(ies) to receive the stormwater runoff or potential runoff from the site? South Brushy Creek
- k) What is the segment number(s) of the classified water body(ies) that the discharge will eventually reach? 1244A
- l) Is the discharge into a Municipal Separate Storm Sewer System (MS4)?
 Yes No

If Yes, provide the name of the MS4 operator:

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

- m) Is the discharge or potential discharge from the site within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, as defined in 30 TAC Chapter 213?
 Yes, complete the certification below.
 No, go to Section 5

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

SECTION 5. NOI CERTIFICATION

- a) I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000). Yes
- b) I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas. Yes
- c) I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed. Yes
- d) I certify that a Stormwater Pollution Prevention Plan has been developed, will be implemented prior to construction and to the best of my knowledge and belief is compliant with any applicable local sediment and erosion control plans, as required in the Construction General Permit (TXR150000). Yes

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

SECTION 6. APPLICANT CERTIFICATION SIGNATURE

Operator Signatory Name: Michael Thomson

Operator Signatory Title: Director

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

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

Signature (use blue ink):  Date: 12/8/2023

NOTICE OF INTENT CHECKLIST (TXR150000)

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

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

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

APPLICATION FEE

If paying by check:

- Check was mailed **separately** to the TCEQs Cashier's Office. (See Instructions for Cashier's address and Application address.)
- Check number and name on check is provided in this application.

If using ePay:

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

RENEWAL

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

OPERATOR INFORMATION

- Customer Number (CN) issued by TCEQ Central Registry
- Legal name as filed to do business in Texas. (Call TX SOS 512-463-5555 to verify.)
- Name and title of responsible authority signing the application.
- Phone number and e-mail address
- Mailing address is complete & verifiable with USPS. www.usps.com
- Type of operator (entity type). Is applicant an independent operator?
- Number of employees.
- For corporations or limited partnerships - Tax ID and SOS filing numbers.
- Application contact and address is complete & verifiable with USPS. <http://www.usps.com>

REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

- Regulated Entity Number (RN) (if site is already regulated by TCEQ)
- Site/project name and construction activity description
- County

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

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

GENERAL CHARACTERISTICS

Indian Country Lands -the facility is not on Indian Country Lands.

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

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

Estimated starting and ending dates of the project.

Confirmation of concrete truck washout.

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

Common plan of development or sale.

Receiving water body or water bodies.

Segment number or numbers.

MS4 operator.

Edwards Aquifer rule.

CERTIFICATION

Certification statements have been checked indicating Yes.

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

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

GENERAL INFORMATION

Where to Send the Notice of Intent (NOI):

By Regular Mail:

TCEQ

Stormwater Processing Center (MC228)

P.O. Box 13087

Austin, Texas 78711-3087

By Overnight or Express Mail:

TCEQ

Stormwater Processing Center (MC228)

12100 Park 35 Circle

Austin, TX

Application Fee:

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

Mailed Payments:

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

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

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

TCEQ Contact List:

Application – status and form questions:

512-239-3700, swpermit@tceq.texas.gov

Technical questions:

512-239-4671, swgp@tceq.texas.gov

Environmental Law Division:

512-239-0600

Records Management - obtain copies of forms:

512-239-0900

Reports from databases (as available):

512-239-DATA (3282)

Cashier's office:

512-239-0357 or 512-239-0187

Notice of Intent Process:

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

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

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

or

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

General Permit (Your Permit)

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

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

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

Change in Operator

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

TCEQ Central Registry Core Data Form

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

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

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

INSTRUCTIONS FOR FILLING OUT THE NOI FORM

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

Section 1. OPERATOR (APPLICANT)

a) Customer Number (CN)

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

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

b) Legal Name of Applicant

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

c) Contact Information for the Applicant (Responsible Authority)

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

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

The phone number should provide contact to the applicant.

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

d) Type of Customer (Entity Type)

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

Individual

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

Partnership

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

Trust or Estate

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

Sole Proprietorship (DBA)

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

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

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

Corporation

A customer that meets all of these conditions:

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

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

Government

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

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

Other

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

e) Independent Entity

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

f) Number of Employees

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

g) Customer Business Tax and Filing Numbers

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

State Franchise Tax ID Number

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

Federal Tax ID

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

TX SOS Charter (filing) Number

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

DUNS Number

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

Section 2. APPLICATION CONTACT

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

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

a) Regulated Entity Number (RN)

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

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

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

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

b) Name of the Project or Site

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

c) Description of Activity Regulated

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

d) County

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

e) Latitude and Longitude

Enter the latitude and longitude of the site in degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to:

<http://www.tceq.texas.gov/gis/sqmaview.html>.

f) Site Address/Location

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

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

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

Section 4. GENERAL CHARACTERISTICS

a) Indian Country Lands

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

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

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

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

pipeline that will transport crude oil or natural gas, including natural gas liquids, prior to refining of such oil or the use of the natural gas in any manufacturing process or as a residential or industrial fuel.

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

For more information about the jurisdictions of the RRC and the TCEQ, read the Memorandum of Understanding (MOU) between the RRC and TCEQ at 16 Texas Administrative Code, Part 1, Chapter 3, Rule 3.30, by entering the following link into an internet browser:

[http://texreg.sos.state.tx.us/public/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=30](http://texreg.sos.state.tx.us/public/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=30) or contact the TCEQ Stormwater Team at 512-239-4671 for additional information.

c) Primary Standard Industrial Classification (SIC) Code

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

Common SIC Codes related to construction activities include:

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

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

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

d) Secondary SIC Code

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

e) Total Number of Acres Disturbed

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

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

f) Common Plan of Development

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

For more information on what a common plan of development is, refer to the definition of “Common Plan of Development” in the Definitions section of the general permit or enter the following link into your internet browser:

www.tceq.texas.gov/permitting/stormwater/common_plan_of_development_steps.html

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

g) Estimated Start Date of the Project

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

h) Estimated End Date of the Project

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

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

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

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

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

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

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

Identify the classified segment number(s) receiving a discharge directly or indirectly. Enter the following link into your internet browser to find the segment number of the classified water body where stormwater will flow from the site:

www.tceq.texas.gov/waterquality/monitoring/viewer.html or by contacting the TCEQ Water Quality Division at (512) 239-4671 for assistance.

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

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

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

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

l) Discharge into MS4 – Identify the MS4 Operator

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

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

m) Discharges to the Edwards Aquifer Recharge Zone and Certification

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

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

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

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

Section 5. NOI CERTIFICATION

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

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

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

b) Certification of Legal Name

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

c) Understanding of Notice of Termination

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

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

d) Certification of Stormwater Pollution Prevention Plan

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

Section 6. APPLICANT CERTIFICATION SIGNATURE

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

If you are a corporation:

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

If you are a municipality or other government entity:

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

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

30 Texas Administrative Code

§305.44. Signatories to Applications

(a) All applications shall be signed as follows.

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

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

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

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

Texas Commission on Environmental Quality General Permit Payment Submittal Form

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

Instructions:

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

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

By Regular U.S. Mail

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

By Overnight or Express Mail

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

Fee Code: GPA General Permit: TXR150000

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

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

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

Project/Site (RE) Name:

Project/Site (RE) Physical Address:

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

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

I Michael Thomson,
Print Name

Director,
Title - Owner/President/Other

of The Church of Jesus Christ of Latter-day Saints, a Utah corporation sole,
Corporation/Partnership/Entity Name

have authorized Clayton Strolle, Director, Commercial
Print Name of Agent/Engineer

of Westwood Professional Services
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

Dec. 8, 2023
Date

THE STATE OF Utah §
County of Salt Lake §

BEFORE ME, the undersigned authority, on this day personally appeared Michael J. Thomson 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 8th day of December, 2023.


NOTARY PUBLIC

Petra Macon
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: Nov. 7, 2026

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Church of Jesus Christ of Latter-Day Saints

Regulated Entity Location: Cedar Park Texas; Williamson County

Name of Customer: Michael Thomson

Contact Person: Clayton Strolle, Director, Co Phone: 512-485-0831

Customer Reference Number (if issued): CN n/a

Regulated Entity Reference Number (if issued): RN n/a

Austin Regional Office (3373)

Hays Travis Williamson

San Antonio Regional Office (3362)

Bexar Medina Uvalde
 Comal Kinney

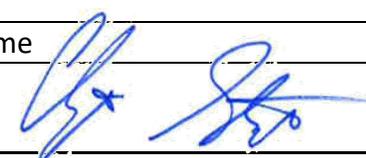
Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to:

Austin Regional Office San Antonio Regional Office
 Mailed to: TCEQ - Cashier Overnight Delivery to: TCEQ - Cashier
 Revenues Section 12100 Park 35 Circle
 Mail Code 214 Building A, 3rd Floor
 P.O. Box 13088 Austin, TX 78753
 Austin, TX 78711-3088 (512)239-0357

Site Location (Check All That Apply):

Recharge Zone Contributing Zone Transition Zone

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	10.58 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: 12/1/2023



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
The Church of Jesus Christ of Latter-day Saints, a Utah corporation sole			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
N/A	1-23-7300405-5	87-0234341	07-300-7411
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	50 E North Temple Street, 10 th Floor		
	City	Salt Lake City	State UT ZIP 84150 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		thomsonmj@churchofjesuschrist.org ; stephanie.galindo@turntown.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(817) 600-5558		() -	

SECTION III: Regulated Entity Information

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

The Church of Jesus Christ of Latter-day Saints, a Utah corporation sole							
23. Street Address of the Regulated Entity: (No PO Boxes)	1801 E Park Street						
	City	Cedar Park	State	TX	ZIP	78613	ZIP + 4
24. County	Williamson						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	The site is located parallel to Creek Vista Blvd and E Park Street.						
26. Nearest City	State				Nearest ZIP Code		
27. Latitude (N) In Decimal:	30.516590° N			28. Longitude (W) In Decimal:	-97.795640°W		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
30	30	16.73	97	47	50.19		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)			
4225		53531					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Religious.							
34. Mailing Address:	50 E North Temple Street, 10th Floor						
	City	Salt Lake City	State	UT	ZIP	84150	ZIP + 4
35. E-Mail Address:	thomsonmj@churchofjesuschrist.org, stephanie.galindo@turntown.com						
36. Telephone Number	37. Extension or Code			38. Fax Number (if applicable)			
(817) 600-5558				() -			

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

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

SECTION IV: Preparer Information

40. Name:	Clayton Strolle	41. Title:	Director, Commercial
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 485-0831		() -	clayton.strolle@westwoodps.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:	Westwood Professional Services	Job Title:	Director, Commercial
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Name (In Print):	Clayton Stolle	Phone:	(512) 485- 0831
Signature:		Date:	12/11/2023