



11/23/2023

CONTRIBUTORY ZONE REPORT MINYARD

Project Location:

1800 N. Bell Blvd.
Cedar Park, Tx 78613

Prepared by:

Ahmed El Seweify, P.E.

Contributing Zone Plan Checklist

- **Edwards Aquifer Application Cover Page (TCEQ-20705)**
- **Contributing Zone Plan Application (TCEQ-10257)**
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 - Attachment P - Measures for Minimizing Surface Stream Contamination
- **Storm Water Pollution Prevention Plan (SWPPP)**
 - OR-**
- **Temporary Stormwater Section (TCEQ-0602)**
 - Attachment A - Spill Response Actions
 - Attachment B - Potential Sources of Contamination
 - Attachment C - Sequence of Major Activities
 - Attachment D - Temporary Best Management Practices and Measures
 - Attachment E - Request to Temporarily Seal a Feature, if sealing a feature
 - Attachment F - Structural Practices
 - Attachment G - Drainage Area Map
 - Attachment H - Temporary Sediment Pond(s) Plans and Calculations
 - Attachment I - Inspection and Maintenance for BMPs
 - Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices
- **Copy of Notice of Intent (NOI)**
- **Agent Authorization Form (TCEQ-0599), if application submitted by agent**

- **Application Fee Form (TCEQ-0574)**
- **Check Payable to the “Texas Commission on Environmental Quality”**
- **Core Data Form (TCEQ-10400)**

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: Minyard Sons Services Inc					2. Regulated Entity No.:				
3. Customer Name: Richard Minyard					4. Customer No.:				
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	<input type="radio"/> Modification			<input type="radio"/> Extension		<input type="radio"/> Exception		
6. Plan Type: (Please circle/check one)	<input type="radio"/> WPAP	<input checked="" type="radio"/> CZP	<input type="radio"/> SCS	<input type="radio"/> UST	<input type="radio"/> AST	<input type="radio"/> EXP	<input type="radio"/> EXT	<input type="radio"/> Technical Clarification	<input type="radio"/> Optional Enhanced Measures
7. Land Use: (Please circle/check one)	<input type="radio"/> Residential		<input checked="" type="radio"/> Non-residential			8. Site (acres):		6.361 Acres	
9. Application Fee:	\$5,000.00		10. Permanent BMP(s):				Sand Filter		
11. SCS (Linear Ft.):			12. AST/UST (No. Tanks):						
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.)	—	—	1—
Region (1 req.)	—	—	1
County(ies)	—	—	1
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity <input type="checkbox"/> Plum Creek	<input type="checkbox"/> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<input type="checkbox"/> Austin <input type="checkbox"/> Buda <input type="checkbox"/> Dripping Springs <input type="checkbox"/> Kyle <input type="checkbox"/> Mountain City <input type="checkbox"/> San Marcos <input type="checkbox"/> Wimberley <input type="checkbox"/> Woodcreek	<input type="checkbox"/> Austin <input type="checkbox"/> Bee Cave <input type="checkbox"/> Pflugerville <input type="checkbox"/> Rollingwood <input type="checkbox"/> Round Rock <input type="checkbox"/> Sunset Valley <input type="checkbox"/> West Lake Hills	<input type="checkbox"/> Austin <input type="checkbox"/> Cedar Park <input type="checkbox"/> Florence <input type="checkbox"/> Georgetown <input type="checkbox"/> Jerrell <input type="checkbox"/> Leander <input type="checkbox"/> Liberty Hill <input type="checkbox"/> Pflugerville <input type="checkbox"/> Round Rock

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

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

Ahmed El Seweify

Print Name of Customer/Authorized Agent



11/23/2023

Signature of Customer/Authorized Agent

Date

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

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

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.

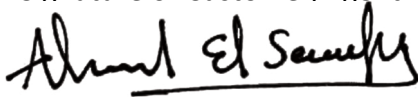
Signature

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: Ahmed El Seweify

Date: 11/23/2023

Signature of Customer/Agent:



Regulated Entity Name: Minyard Sons Services Inc.

Project Information

1. County:Williamson
2. Stream Basin:South Brushy Creek
3. Groundwater Conservation District (if applicable): _____
4. Customer (Applicant):
Contact Person: Richard Minyard
Entity: Minyard Sons Services, Inc.
Mailing Address:1800 N. Bell Blvd,
City, State:Cedar Park, Texas,
Zip: 78613
Fax: _____
5. Telephone:(512)721-6307
Email Address:rminyard@minyardcompany.com

5. Agent/Representative (If any): Contact

Person: Ahmed El Seweify

Entity: AES Engineering Consultant

Mailing Address: 2514 Preserve Trail

City, State: Cedar Park, TX 78613

Telephone: 512-785-9034

Email Address: Contact@aes-engs.com

Zip: _____

Fax: _____

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.

1800 N. Bell Blvd, Cedar Park, Texas 78613

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): 6.361 Acres

Total disturbed area: 6.361 Acres

14. Estimated projected population: _____

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	63,480	÷ 43,560 =	1.457
Parking	99,143	÷ 43,560 =	2.276
Other paved surfaces		÷ 43,560 =	
Total Impervious Cover	162,623	÷ 43,560 =	3.733

Total Impervious Cover 3.733 ÷ Total Acreage 6.361 X 100 = 58.69 % 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 $\times 100 = \text{_____ \%}$ 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 Cedar Park Wastewater 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

5 of 11

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" = _____'.
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): _____.
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

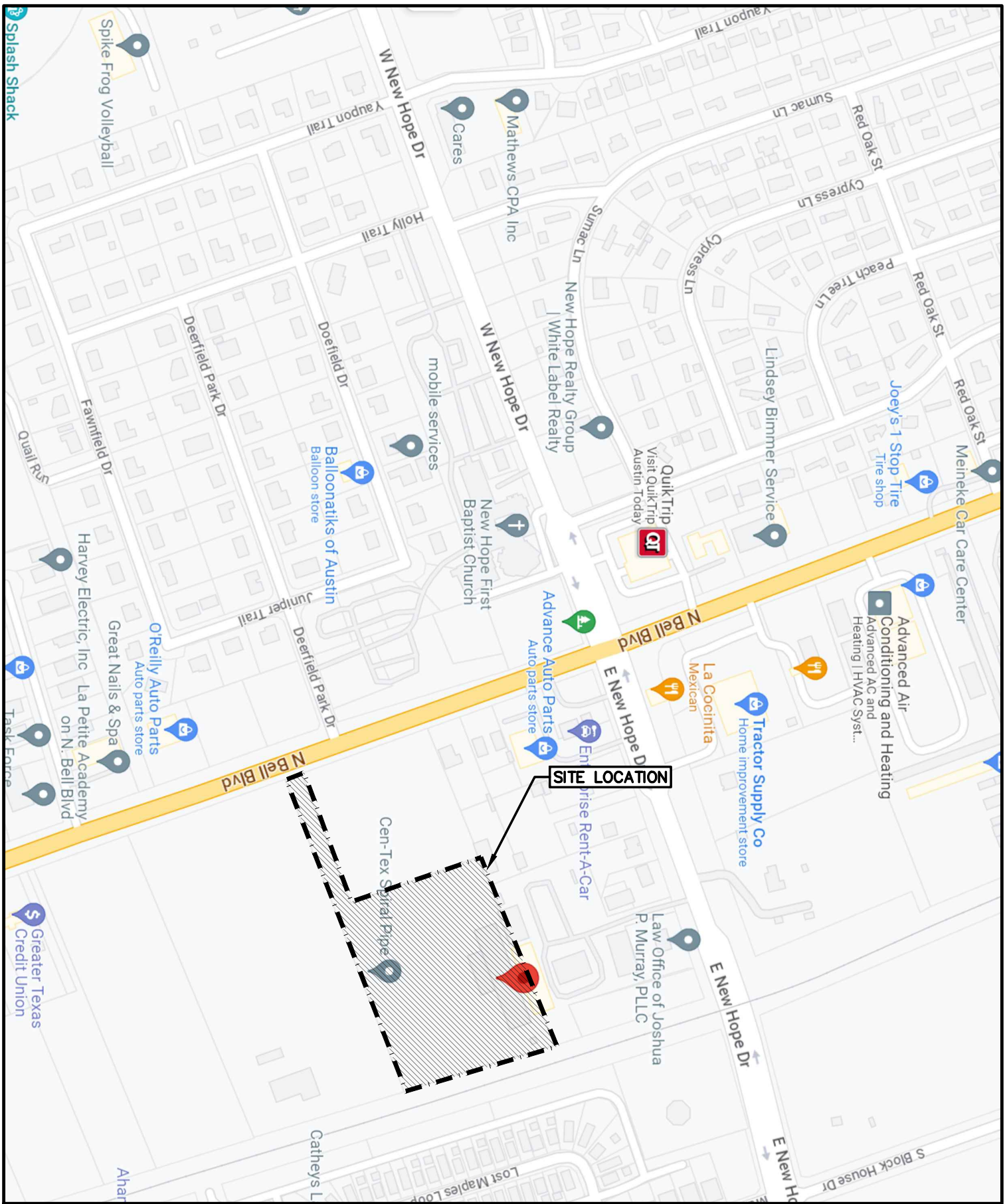
Responsibility for Maintenance of Permanent BMPs and Measures after Construction is Complete.

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

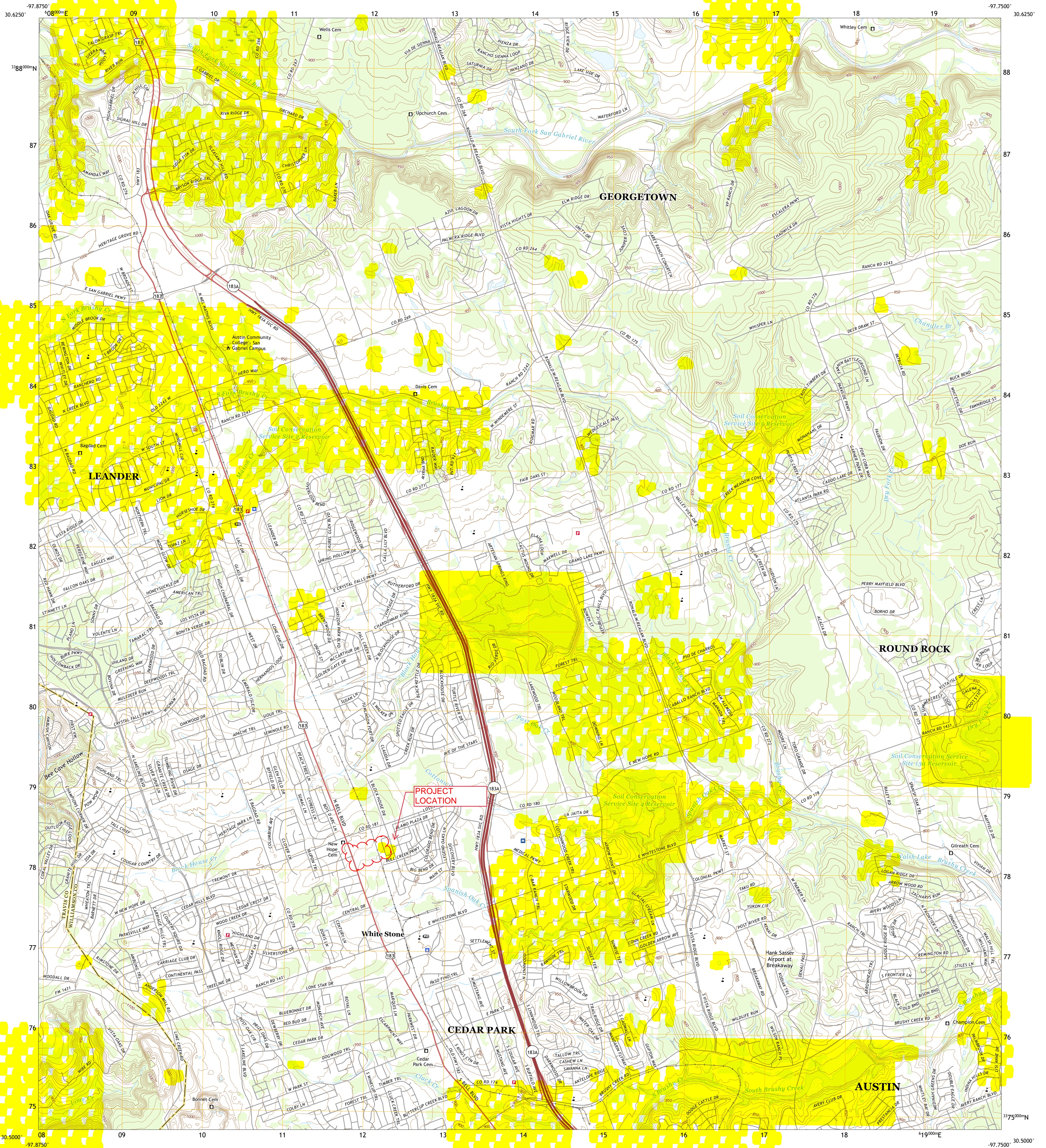
- 61. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions.
- 62. ☒ 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.



VICINITY MAP

MINYARD SONS SERVICES
1800 N BELL BLVD,
CEDAR PARK, TX
78613

PAGE
1 OF 1



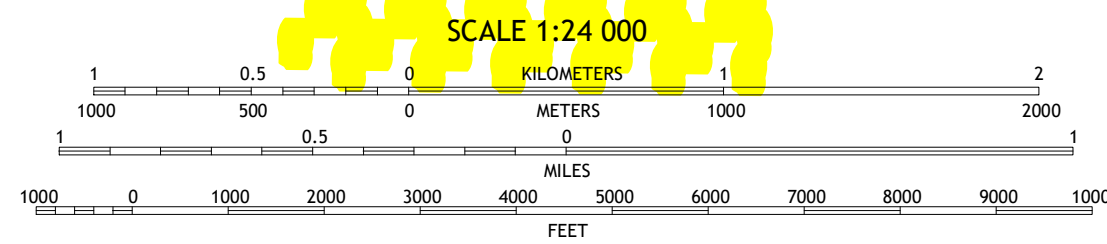
Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 14R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available

UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

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



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
National Geospatial Program US Topo Product Standard.



1	2	3
4	5	6
7	8	

ADJOINING QUADRANGLES

1 Liberty Hill
2 Leander NE
3 Georgetown
4 Nameless
5 Round Rock
6 Mansfield Dam
7 Jollyville
8 Pflugerville West

ROAD CLASSIFICATION

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

LEANDER, TX
2022



Minyard Sons Services
Project Description-Attachment C

This 6.361-acre project site is located at 1800 N. Bell Blvd, Cedar Park, Texas. The existing conditions includes an 18000 sq.ft warehouse and asphalt pavement built prior to 1985, the proposed development will include an additional 25800 sq.ft warehouse and a two story office building. We are proposing a detention pond and sand filtration pond.

Existing Conditions:

The existing site is covered with native grass/weeds and minor scattered brushes and some trees. There are no other paved areas or existing buildings on the site.

Proposed Conditions:

The limit of construction is 6.361 acres and the proposed impervious cover is 58.68%

Soil Condition: Clayey Sand.

Disturbance activities:

Grading and excavation on the entire site.

The pavement on the entire site.

Building at the building areas.

Landscaping.

Minyard Sons Services
Factors Affecting Water Quality-Attachment D

The following construction activities may affect surface and groundwater quality:

Pollutant-Generating Activity	Pollutants or Pollutant Constituents (that could be discharged if exposed to stormwater)	Location on Site
Grading, Excavation	Oil, Gasoline, grease, hydraulic fluid, coolant.	Entire site
Pavement	Cement	Entire site
Building	Stucco, paint	At Building
*Landscaping (if any)	Fertilizer, pesticide	All landscape areas

Minyard Sons Services**Volume and Character of Storm Water-Attachment "E"**

A pre and post development drainage analysis was performed to determine flow for 25- and 100-year storm event as follow:

At pre-developed condition, the flow for Q (25) and Q (100) are 45.38 cfs and 62.574 cfs, respectively. At post developed condition the flow for Q(25) and Q(100) are 45.42 cfs and 62.14, respectively.

We are proposing a Filtration-Sedimentation Pond to treat the runoff produced from the proposed development.

Table 2.2 on the City of Austin Drainage manual has been used to determine the CN Value, see construction plan for details.

Hec-HMS has been used to determine the runoff, model available upon request, please email contact@aes-engs.com to request a copy if needed.

Temporary Erosion and sedimentation control such as silt fence, concrete washout, spoil area, and construction entrance have been provided to prevent sediments and pollutants from leaving the site. In addition, a water-quality pond has been provided, please see the construction plan for details.

Minyard Sons Services**BMP For Upgradient stormwater- Attachment J**

Temporary erosion and sedimentation control such as Silt fence, construction entrance, concrete washout have been added to the plan to contain upgradient stormwater.

Filtration and sedimentation water quality pond has also been provided as a permanent measure to contain upgradient stormwater.

Minyard Sons Services
Building BMP for On-Site Storm Water- Attachment K

We are proposing a Sand Filtration Pond to treat the stormwater produced for the proposed development.

Streams-Attachment L

The proposed Sediment/Filtration pond will serve as a measure to prevent pollutants from entering the surface stream.

Minyard Sons Services
Construction Plans-Attachment M

The construction plan is provided in the application package. TCEQ construction notes can be found on General Notes included in the plan set. All proposed structural BMP(s) are shown on plans.

1. The Required Load Reduction for the total project:

Site

Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan *	6.36	acres
Predevelopment impervious area within the limits of the plan *	1.97	acres
Total post-development impervious area within the limits of the plan *	3.73	acres
Total post-development impervious cover fraction *	0.59	
P =	32	inches

LM TOTAL PROJECT = **1538** lbs.

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

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

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

Drainage Basin/Outfall Area No. =	1	
Total drainage basin/outfall area =	6.36	acres
Predevelopment impervious area within drainage basin/outfall area =	1.97	acres
Post-development impervious area within drainage basin/outfall area =	4.92	acres
Post-development impervious fraction within drainage basin/outfall area =	0.77	
LM THIS BASIN =	2572	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Sand Filter**
Removal efficiency = **89** percent

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

A _C =	6.36	acres
A _I =	1.97	acres
A _P =	4.40	acres
L _R =	2004	lbs

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

Desired L_M THIS BASIN = **1800** lbs.

F = **0.90**

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.

Rainfall Depth =	1.70	inches
Post Development Runoff Coefficient =	0.26	

On-site Water Quality Volume = **10311** cubic feet

Off-site area draining to BMP = **0.92** acres

Off-site Impervious cover draining to BMP = **0.00** acres

Impervious fraction of off-site area = **0.00**

Off-site Runoff Coefficient = **0.02**

Off-site Water Quality Volume = **113** cubic feet

Storage for Sediment = **2085**

Total Capture Volume (required water quality volume(s) x 1.20) = 12509 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.

9. Filter area for Sand Filters

Designed as Required in RG-348

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin = **12509** cubic feet

Minimum filter basin area = **573** square feet

Maximum sedimentation basin area = **5155** square feet

Minimum sedimentation basin area = **1289** square feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins = **12509** cubic feet

Minimum filter basin area = **1031** square feet

Maximum sedimentation basin area = **4124** square feet

Minimum sedimentation basin area = **258** square feet

SHEET NO.	DESCRIPTION
1	COVER SHEET (TCEQ)
2	EXISTING PLAT
3	GENERAL NOTES
4	EXISTING CONDITIONS
5	DEMOLITION PLAN
6	EROSION & SEDIMENTATION CONTROL PLAN
7	EROSION & SEDIMENTATION CONTROL DETAILS
8	EXISTING DRAINAGE AREA MAP
9	SITE PLAN AND DIMENSIONS
10	SITE PLAN DETAILS-1
11	SITE PLAN DETAILS-2
12	GRADING PLAN
13	PROPOSED DRAINAGE PLAN
14	INLET CAPACITY CALCULATION
15	STORM PROFILE
16	Drainage Detail
17	WATER QUALITY-1
18	WATER QUALITY -2
19	WATER QUALITY-3
20	UTILITY PLAN (WATER & WASTE WATER)
21	WATER & WASTEWATER DETAILS-1
22	WATER & WASTE WATER DETAILS-2
23	FIRE PROTECTION PLAN
24	PAVING PLAN
25	LANDSCAPE PLAN
26	LANDSCAPE DETAILS
27	ELEVATION

[illegible]

BENCHMARKS HAVE BEEN SHOWN AS A NAIL, LOCATION ON THE EXISTING CONDITION SHEET NAVD88

BENCHMARK "A"	BENCHMARK B
ELEV. 991.25	ELEV. 991.71
N. 10165954.67	N. 10166017.58
E. 3083856.92	E. 3084081.10

Ahmed El Semsary

DATE _____

A circular professional engineer seal for the State of Texas. The outer ring contains the text "STATE OF TEXAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars on each side. The inner circle features a five-pointed star at the top, followed by the name "AHMED EL SEWIFY" in a bold, sans-serif font. Below the name is the license number "141828" and the word "LICENSED" in a smaller font. The entire seal is enclosed in a double-lined circular border.

Ahmed El Semsary

[illegible]

PLANNING	TBD	DATE
ENGINEERING SERVICES	TBD	DATE
INDUSTRIAL PRETREATMENT	TBD	DATE
FIRE PREVENTION	TBD	DATE
LANDSCAPE PLANNER	TBD	DATE
ADDRESSING	TBD	DATE
SITE DEVELOPMENT PERMIT NUMBER	TBD	DATE
TCEQ PERMIT NUMBER	TBD	DATE

GRASS	177,972 SF	4.084 AC.	
BUILDING	18,046 SF	0.414 AC.	
CONCRETE	9,502 SF	0.218 AC.	
GRAVEL	37,980 SF	0.872 AC.	
ASPHALT	33,645 SF	0.772 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER			35.8 %

GRASS	114,462 SF	2.628 AC.	
BUILDING	63,480 SF	1.457 AC.	
PAVEMENT & SIDEWALK	99,143 SF	2.276 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER			58.68 %



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


 DATE _____ ISSUE TITLE _____

REVISION	DATE	ISSUE TITLE

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRH AES
DATE: 2023-11-23	SCALE: NTS
SHEET NUMBER:	

1 of 27

CONSTRUCTION NOTES FOR SUBDIVISIONS AND SITE PLANS
CONSTRUCTION NOTES FOR SUBDIVISIONS & SITE PLANS
CITY OF CEDAR PARK REVISED MARCH 23, 2023
GENERAL NOTES:

- 1.GENERAL CONTRACTOR SHALL CALL FOR ALL UTILITY LOCATES PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL DELINEATE AREAS OF EXCAVATION USING WHITE PAINT (WHITE LINING) IN ACCORDANCE WITH 16 TAC 18.3.WATER & WASTEWATER OWNED BY THE CITY OF CEDAR PARK CAN BE LOCATED BY CALLING 811 AT 1-800-344-8377, ALLOW THREE BUSINESS DAYS FOR UTILITY LOCATES BY THE CITY OF CEDAR PARK.
- 2.ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF AUSTIN STANDARD SPECIFICATIONS. CITY OF AUSTIN STANDARDS SHALL BE USED UNLESS OTHERWISE SPECIFIED.
- 3.DESIGN PROCEDURES SHALL BE IN GENERAL COMPLIANCE WITH THE CITY OF AUSTIN DRAINAGE CRITERIA MANUAL. ALL VARIANCES TO THE MANUAL ARE LISTED BELOW: <ENTER HERE>
- 4.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: https://www.texas.gov/index.php?option=com_content&view=article&id=193&Itemid=193
- 5.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 NATIVE IS SPECIFICALLY APPROVED
- 6.THE CONTRACTOR SHALL PROVIDE THE CITY OF CEDAR PARK COPIES OF ALL TEST RESULTS PRIOR TO ACCEPTANCE OF SUBDIVISION IMPROVEMENTS.
- 7.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.
- 8.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.
- 9.BURNING IS PROHIBITED.
- 10.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 HIGH LIGHT ALL REVISIONS OR CHANGES WITH EACH SUBMITTAL. REVISION TRIANGLES SHALL BE USED TO MARK REVISIONS. TRIANGLE MARKERS FROM PREVIOUS REVISIONS MAY BE REMOVED. REVISION INFORMATION SHALL BE UPDATED IN THE APPROPRIATE AREAS OF THE TITLE BLOCK.
- 11.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 TRANSPORTATION CRITERIA MANUAL.
- 12.THE CONTRACTOR SHALL BE RESPONSIBLE FOR 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.
13. AN ENGINEER'S CONCURRENCE LETTER AND ELECTRONIC 22"x34" RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY. 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 (11X 17") WERE PRODUCED, THE PLANS WOULD STILL BE LEGIBLE. DIGITAL FILES SHALL CONTAIN A MINIMUM OF TWO (2) CONTROL POINTS REFERENCED TO THE STATE PLANS 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.
14. 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.
15. 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.
16. NO BLASTING IS ALLOWED ON THIS PROJECT.
17. A 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 REGISTERED PROFESSIONAL ENGINEER.
18. 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 COMPLETED TO THE SATISFACTION OF THE CITY.
19. SIGNS ARE NOT PERMITTED IN PUBLIC UTILITY EASEMENTS, SET BACKS OR DRAINAGE EASEMENTS.
20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND MAINTAIN 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.
21. 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 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.
22. 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.
23. ALL WET UTILITIES SHALL BE INSTALLED AND ALL DENSITIES MUST HAVE PASSED INSPECTION(S) PRIOR TO THE INSTALLATION OF DRY UTILITIES.
24. A MINIMUM OF SEVEN DAYS OF CURE TIME IS REQUIRED FOR HMAc PRIOR TO THE INTRODUCTION OF VEHICULAR TRAFFIC TO ANY STREETS.
25. 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 THE TEXAS ARCHITECTURE BARRIERS ACT (TABA).
26. 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.
27. 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.
28. 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 1.5 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.
29. 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.
30. DRY UTILITIES SHALL BE INSTALLED AFTER SUBGRADE IS CUT AND FINISHED. FIRST COURSE BASE, FIRST TRENCHING OF COMPACTED BASE. IF NECESSARY DRY UTILITIES INSTALLED AFTER FIRST COURSE BASE SHALL BE BORED ACROSS THE FULL WIDTH OF THE ROW.
31. 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.
32. ALL DRIVEWAY APPROACHES SHALL HAVE A UNIFORM TWO PERCENT SLOPE WITHIN THE ROW UNLESS APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.
33. 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.
34. CONTRACTOR TO CLEAR FIVE FEET BEYOND ALL RIGHT OF WAY TO PREVENT FUTURE VEGETATIVE GROWTH INTO THE SIDEWALK AREAS.
35. 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.
36. 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.
37. SIDEWALKS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
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100. SIDEWALKS SHALL NOT BE USED FOR ANY OTHER PURPOSE.

WASTEWATER NOTES:

1. REFER TO THE CITY OF CEDAR PARK PUBLIC WORKS UTILITY POLICY AND SPECIFICATIONS MANUAL.
2. 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.
3. 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.
4. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH AT LEAST 8 MIL POLYETHYLENE WRAP.
5. 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.
6. 48-INCHES OR DEEPER 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.
7. GASKETED PVC SEWER MAIN FITTINGS SHALL BE USED TO CONNECT SDR-35 PVC TO SDR-26 PVC PRESSURE PIPE OR C-900.
8. PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: WASTEWATER-PVC SDR-26 FORCE MAIN, 20"/A" (NOTE: IF USING PVC, SDR-26 IS REQUIRED, SDR-35 WW IS NOT ALLOWED. FORCEMAINS SHALL BE EPOXY LINED DUCTILE IRON)
9. 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.
10. 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.
11. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.
12. UPON COMPLETION OF THE SITE CONSTRUCTION AND REVEGETATION OF A PROJECT SITE, THE DESIGN ENGINEER SHALL SUBMIT AN ENGINEER'S LETTER OF CONCURRENCE BEARING THE ENGINEER'S SEAL AND SIGNATURE TO THE CITY INDICATING THAT CONSTRUCTION, INCLUDING REVEGETATION, IS COMPLETE, AND IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE CITY INSPECTOR.
13. UPON COMPLETION OF LANDSCAPE INSTALLATION OF A PROJECT SITE, THE LANDSCAPE ARCHITECT SHALL SUBMIT A LETTER OF CONCURRENCE TO THE CITY INDICATING THAT THE REQUIRED LANDSCAPING IS COMPLETE, AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE CITY INSPECTOR.
14. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE CITY INSPECTOR, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND COMPLETE ANY CORRECTIVE ACTION REQUIRED RESULTING FROM REMOVAL OF THE CONTROLS. CONDUCT ANY MAINTENANCE AND REHABILITATION OF THE WATER QUALITY PONDS OR CONTROLS.
15. 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.
16. 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), AWWA C-900 (SDR- 18) 150 PSI RATED PVC IN SIZES TO 12 INCHES OR AWWA 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.
17. THE ALLOWABLE (MAXIMUM) ADJUSTMENT FOR A MANHOLE SHALL BE 12"(INCHES) OR LESS.
18. WHERE A SEWER LINE CROSSES A WATER LINE, THE SEWER LINE SHALL BE ONE 20 FT. JOINT OF 150 PSIRATED PVC CENTERED ON CROSSING.
19. ALL MANHOLE AND INLET COVERS SHALL READ "CITY OF CEDAR PARK"
20. CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING CITY UTILITIES.
21. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.
22. 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.
23. 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.
24. 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.
25. ALL WATER VALVES, INCLUDING THOSE OVER 12" IN SIZE, SHALL BE GATE VALVES.
26. 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.
27. 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 LEAD CERTIFICATION WILL BE ADEQUATE IF THE CERTIFICATION HAS NOT EXPIRED AS OF JANUARY 4, 2014 AND REMAINS UNEXPIRED AT THE TIME OF CONSTRUCTION.
28. ALL PRESSURE PIPE SHALL HAVE MECHANICAL RESTRAINT AND CONCRETE THRUST BLOCKING AT ALL VALVES, BENDS, TEES, PLUGS, AND OTHER FITTINGS.
29. STORM SEWER NOTES:
 1. 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.
 2. ALL MANHOLE LIDS SHALL BE 32" OR LARGER, UNLESS EXPRESSLY APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.
 3. 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.
 4. 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.
 5. ALL MANHOLE AND INLET COVERS SHALL READ "CITY OF CEDAR PARK"
 6. CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES.
 7. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.
 8. 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.
 9. 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.
 10. INSTALL CONCRETE SAFETY END TREATMENTS TO ALL CULVERTS AND ENDS OF DRAINAGE PIPE.
 11. ALL CURB INLETS SHALL HAVE AN ALMETEK 4" DISC NO DUMPING DRAIN TO WATERWAY MARKER.
30. 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 DEVELOPMENT.

 1. 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.
 2. 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.
 3. 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.
 4. ROUGH GRADE OF 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).
 5. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE.
 6. BEGIN SITE CLEARING/CONSTRUCTION OR DEMOLITION ACTIVITIES.
 7. UNDERGROUND UTILITIES WILL BE INSTALLED, INCLUDING FIRE HYDRANTS.
 8. 8"RIE DEPARTMENT ACCESS WILL BE INSTALLED WHERE REQUIRED BY APPROVED SITE PLAN.
 9. VERTICAL CONSTRUCTION INSPECTION HAS BEEN CLEARED BY THE FIRE MARSHAL.
 10. PERMANENT WATER QUALITY PONDS OR CONTROLS WILL BE CLEANED OUT AND FILTER MEDIA WILL BE INSTALLED PRIOR TO/CONCURRENTLY WITH REVEGETATION OF SITE.

1. A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start of any ground disturbance or construction activities. This notice must include:
 - the name of the approved project;
 - the activity start date; and
 - the contact information of the prime contractor.

2. All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan (CZP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on-site.

3. No hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.

4. Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for future construction. These controls must remain in place until the disturbed areas have been permanently stabilized.

5. Any sediment that escapes the construction site must be collected and properly disposed of before the next rain event to ensure it is not washed into surface streams, sensitive features, etc.

6. Sediment must be removed from the sediment traps or sedimentation basins when it occupies 50% of the basin's design capacity.

7. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged off-site.

8. All excavated material that will be stored on-site must have proper E&S controls.
9. If portions of the site will have a cease in construction activity lasting longer than 14 days, soil

stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.

10. The following records should be maintained and made available to the TCEQ upon request:
 - the dates when major grading activities occur;
 - the dates when construction activities temporarily or permanently cease on a portion of the site; and
 - the dates when stabilization measures are initiated.

11. The holder of any approved CZP must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:

- A. any physical or operational modification of any best management practices (BMPs) or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
- B. any change in the nature or character of the regulated activity from that which was originally approved;
- C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer; or
- D. any development of land previously identified as undeveloped in the approved contributing zone plan.

Austin Regional Office 12100 Park 35 Circle, Building A Austin, Texas 78753-1808 Phone (512) 339-3925 Fax (512) 339-3795	San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096 Fax (210) 545-4329
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THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

PROJECT:

LOCATION:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



project team


OWNER:
RICHARD MINYARD
P.O. BOX 1149
CEDAR PARK, TX 78613

CIVIL ENGINEER:
AES Engineering Consultant
Ahmed El Sewefy P.E.
2514 PRESERVE TRAIL,
CEDAR PARK, TX 78613
Ph. (512) 785-9034
email: contact@aes-engs.com
Texas Firm F-22721

ARCHITECT:
STUDIO RM ARCHITECTURE
651 N HWY. 183, LEANDER, TX 78641
INFO@THESTUDIORM.COM
512.423.8147


Boundary Survey:
CRICHTON & ASSOCIATES
6448 US-290 #105
AUSTIN, TX 78753

GEOTECHNICAL ENGINEER
ARIAS
13581 POND SRPGNS RD, SUITE 210
AUSTIN, TEXAS 78729
737-220-0114



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November 23, 2023



Ahmed El Sewefy

REVISION	DATE	ISSUE TITLE

DRAWING TITLE:

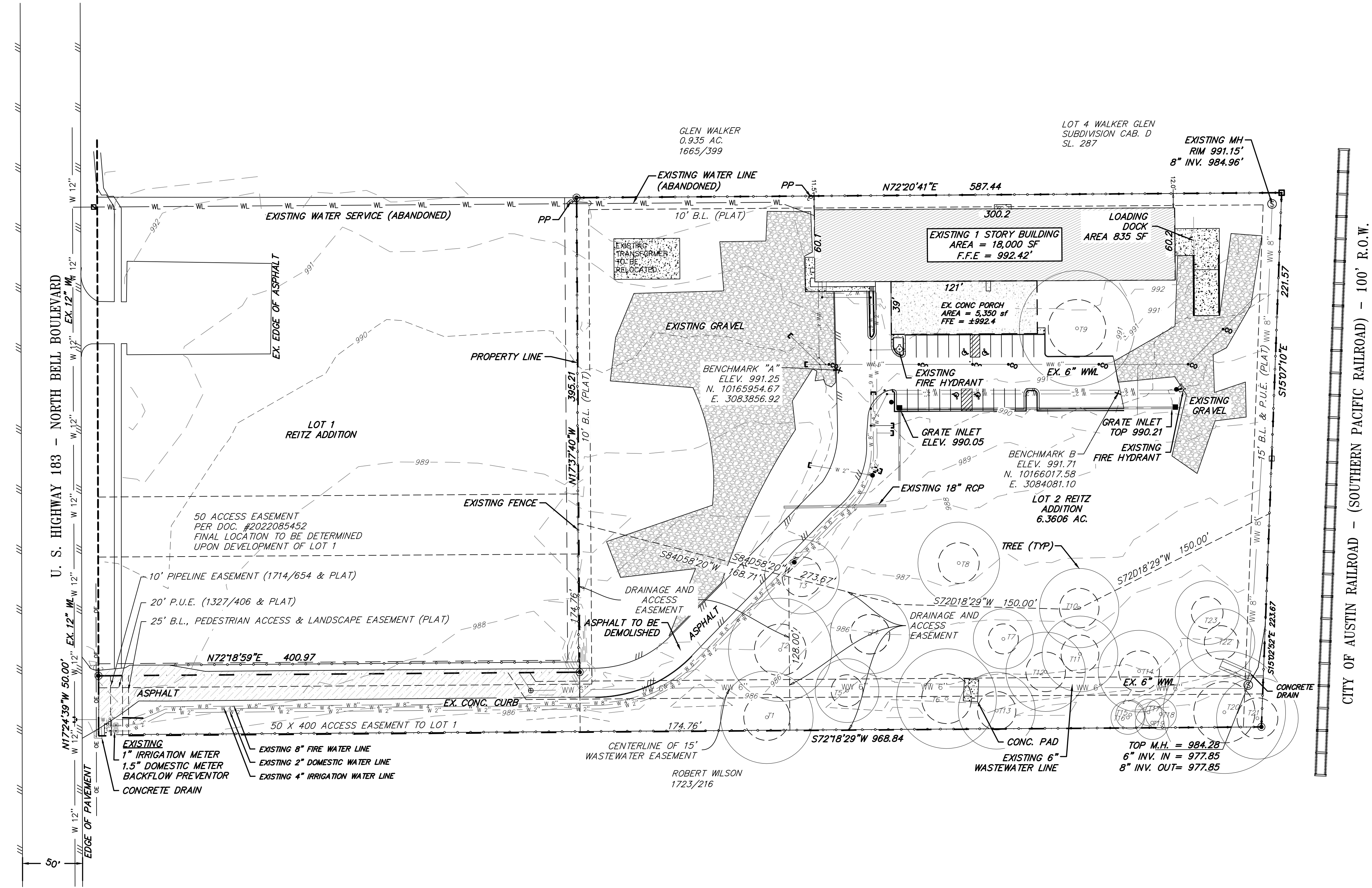
GENERAL NOTES

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: NONE
SHEET NUMBER:	

3 of 27

DRAWING PATH - G:\MY DRIVE\AES ENGINEERING\10-1024 MINYARD\CAO\GENERAL NOTES.DWG

PERMIT NO: TBD SAVED ON 11/23/2023 6:32:14 PM

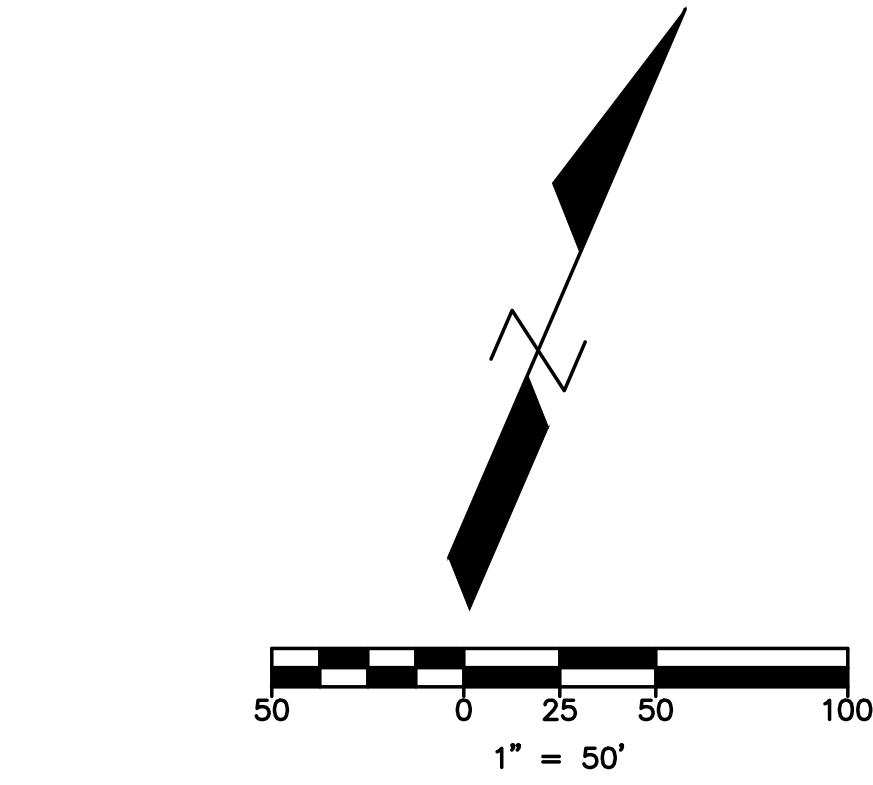


EXISTING CONDITION NOTES:

- EXISTING CONDITIONS SHOWN ARE BASED ON AVAILABLE INFORMATION, INCLUDING SURVEY DATA, FINAL PLATS AND RECORD DRAWINGS, CONTRACTOR SHALL VERIFY LOCATION OF ALL IMPROVEMENTS AND GRADES IN THE FIELD. NOTIFY ENGINEER IN THE EVENT OF DISCREPANCY BETWEEN THIS PLAN AND ACTUAL CONDITIONS.
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON AVAILABLE RECORD DRAWINGS, CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
- UTILITIES HAVE BEEN PREVIOUSLY INSTALLED WITH THE APPROVED PLANS BY THE CITY OF CEDAR PARK DATED APRIL 9, 2008, PERMIT NUMBER SD-07-00044.

DEMOLITION NOTES:

- ALL EXISTING CONCRETE AND ASPHALT IMPROVEMENTS TO BE REMOVED FROM SITE AS SHOWN. CONTRACTOR SHALL DISPOSE OF CONCRETE, ASPHALT, AND OTHER CONSTRUCTION DEBRIS AT AN APPROVED OFF-SITE FACILITY.
- A PRE-CONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
- ANY HAZARDOUS OR ENVIRONMENTALLY HARMFUL MATERIALS SHALL BE REMOVED AND DISPOSED BY PROPERLY LICENSED CONTRACTORS AND IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REQUIRED PERMITS FOR DEMOLITION FROM THE PROPER AUTHORITIES.
- ALL DEMOLITION SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GUIDELINES.
- A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.



LEGEND	
●	1/2" IRON ROD FOUND (UNLESS OTHERWISE NOTED)
☆	LIGHT POLE
○	UTILITY POLE
⋈	DOWN GUY
⊕	FIRE HYDRANT
⊕	WATER VALVE
⊕	ELECTRIC BOX
⊕	WATER METER
⊕	CATV RISER
⊕	AT&T JUNCTION BOX
⊕	FIBER OPTIC MARKER
— OE —	OVERHEAD ELECTRIC LINE
— WWMH —	WASTEWATER MANHOLE
— SSMH —	STORM SEWER MANHOLE
—	LIMITS OF CONSTRUCTION
—	METAL FENCE
○	TREE DETAIL
○	CRITICAL ZONE
○	CRITICAL ZONE

TREE LIST	
TAG	DESCRIPTION
T1	39" OAK
T2	43" OAK
T3	31" OAK
T4	33" OAK
T5	29" OAK
T6	42" OAK
T7	35" OAK
T8	34" OAK
T9	48" OAK
T10	33" OAK
T11	29" OAK
T12	33" OAK
T13	32" OAK
T14	35" OAK
T15	12" OAK
T16	14" OAK
T17	11" OAK
T18	13" HACKBERRY
T19	14" OAK
T20	13" OAK
T21	34" OAK
T22	30" OAK
T23	25" OAK

EXISTING IMPERVIOUS COVER

GRASS	177,972 SF	4.084 AC.	
BUILDING	18,046 SF	0.414 AC.	
CONCRETE	9,502 SF	0.218 AC.	
GRAVEL	37,980 SF	0.872 AC.	
ASPHALT	33,645 SF	0.772 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER		35.8 %	

PROJECT:

MINYARD
PLUMBING

LOCATION:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



project team

OWNER:
RICHARD MINYARD
P.O. BOX 1149
CEDAR PARK, TX 78613

CIVIL ENGINEER:

AES Engineering Consultant
Ahmed El Seweify P.E.
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Boundary Survey:

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AUSTIN, TX 78753

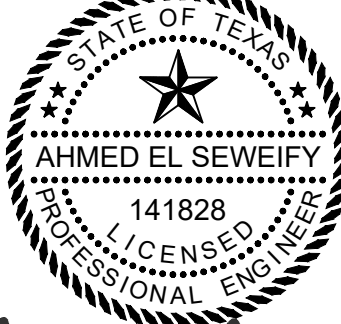
GEOTECHNICAL ENGINEER

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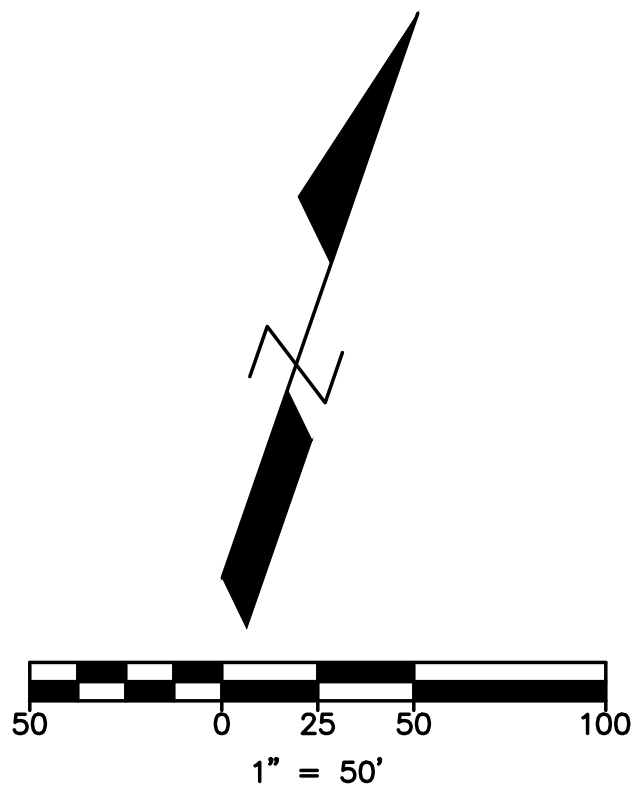
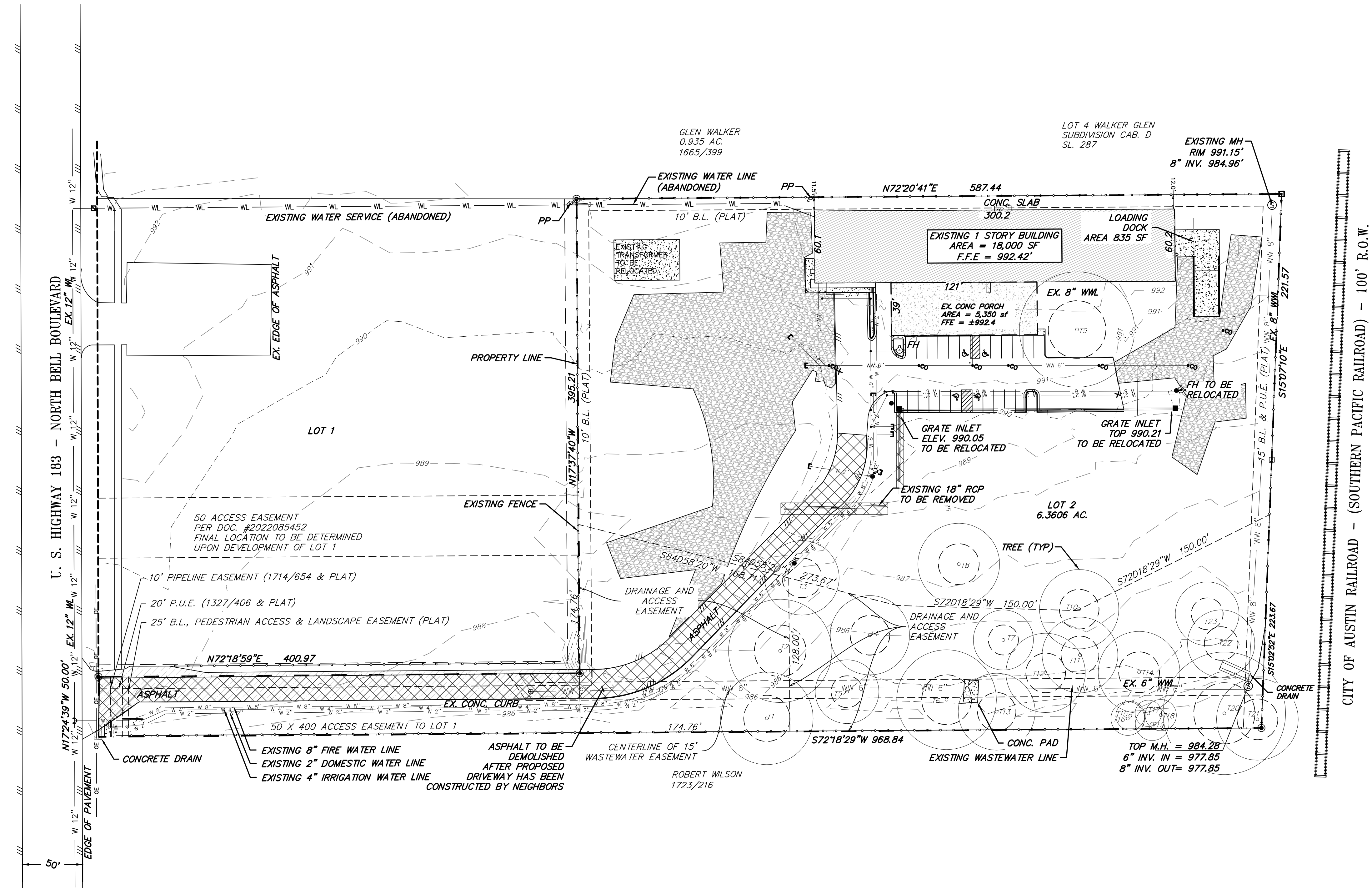
REVISION	DATE	ISSUE TITLE

DRAWING TITLE:

EXISTING
CONDITIONS

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1:50
SHEET NUMBER:	

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LEGEND	
	1/2" IRON ROD FOUND (UNLESS OTHERWISE NOTED)
	LIGHT POLE
	UTILITY POLE
	DOWN GUY
	FIRE HYDRANT
	WATER VALVE
	ELECTRIC BOX
	WATER METER
	CATV RISER
	AT&T JUNCTION BOX
	FIBER OPTIC MARKER
	OVERHEAD ELECTRIC LINE
	WASTEWATER MANHOLE
	STORM SEWER MANHOLE
	LIMITS OF CONSTRUCTION
	METAL FENCE
	TREE DETAIL
	CRITICAL ZONE
	1/2 CRITICAL ZONE
	AREA TO BE DEMOLISHED

TREE LIST	
TAG	DESCRIPTION
T1	39" OAK
T2	43" OAK
T3	31" OAK
T4	33" OAK
T5	29" OAK
T6	42" OAK
T7	35" OAK
T8	34" OAK
T9	48" OAK
T10	33" OAK
T11	29" OAK
T12	33" OAK
T13	32" OAK
T14	35" OAK
T15	12" OAK
T16	14" OAK
T17	11" OAK
T18	13" HACKBERRY
T19	14" OAK
T20	13" OAK
T21	34" OAK
T22	30" OAK
T23	25" OAK

EXISTING IMPERVIOUS COVER

GRASS	191228.4 SF	4.39 AC.	
BUILDING	18046 SF	0.414 AC.	
CONCRETE	37979.575 SF	0.872 AC.	
GRAVEL	6186.84 SF	0.142 AC.	
ASPHALT	23390.216 SF	0.537 AC.	
TOTAL	277085.16 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER		30.9 %	

EXISTING CONDITION NOTES:

- EXISTING CONDITIONS SHOWN ARE BASED ON AVAILABLE INFORMATION, INCLUDING SURVEY DATA, FINAL PLATS AND RECORD DRAWINGS, CONTRACTOR SHALL VERIFY LOCATION OF ALL IMPROVEMENTS AND GRADES IN THE FIELD. NOTIFY ENGINEER IN THE EVENT OF DISCREPANCY BETWEEN THIS PLAN AND ACTUAL CONDITIONS.
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON AVAILABLE RECORD DRAWINGS, CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
- UTILITIES HAVE BEEN PREVIOUSLY INSTALLED WITH THE APPROVED PLANS BY THE CITY OF CEDAR PARK DATED APRIL 9, 2008, PERMIT NUMBER SD-07-00044.

DEMOLITION NOTES:

- ALL EXISTING CONCRETE AND ASPHALT IMPROVEMENTS TO BE REMOVED FROM SITE AS SHOWN. CONTRACTOR SHALL DISPOSE OF CONCRETE, ASPHALT, AND OTHER CONSTRUCTION DEBRIS AT AN APPROVED OFF-SITE FACILITY.
- A PRE-CONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
- ANY HAZARDOUS OR ENVIRONMENTALLY HARMFUL MATERIALS SHALL BE REMOVED AND DISPOSED BY PROPERLY LICENSED CONTRACTORS AND IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REQUIRED PERMITS FOR DEMOLITION FROM THE PROPER AUTHORITIES.
- ALL DEMOLITION SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GUIDELINES.
- A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.

PROJECT:

MINYARD
PLUMBING

LOCATION:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



project team

OWNER:
RICHARD MINYARD
P.O. BOX 1149
CEDAR PARK, TX 78613

CIVIL ENGINEER:

AES Engineering Consultant
Ahmed El Seweify P.E.
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ARCHITECT:

STUDIO RM ARCHITECTURE
651 N HWY. 183, LEANDER, TX 78641
INFO@THESTUDIORM.COM
512.423.8147

Boundary Survey:

CRICHTON & ASSOCIATES
6448 US-290 #105
AUSTIN, TX 78753

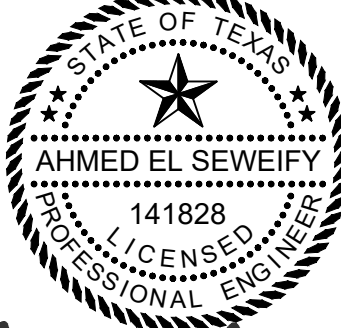
GEOTECHNICAL ENGINEER

ARIAS
13581 POND SRPINGS RD, SUITE 210
AUSTIN, TEXAS 78729
737-220-0114



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November 23, 2023



Ahmed El Seweify

REVISION	DATE	ISSUE TITLE

DRAWING TITLE:

DEMOLITION PLAN

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1:50
SHEET NUMBER:	

5 of 27

PROJECT:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



CIVIL ENGINEER:

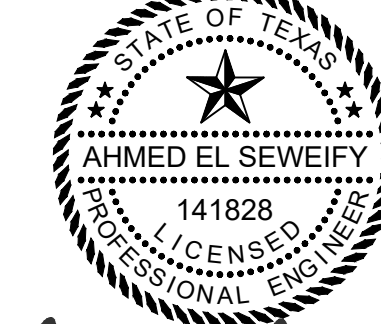
ARCHITECT

Boundary Survey

GEOTECHNICAL ENGINEER



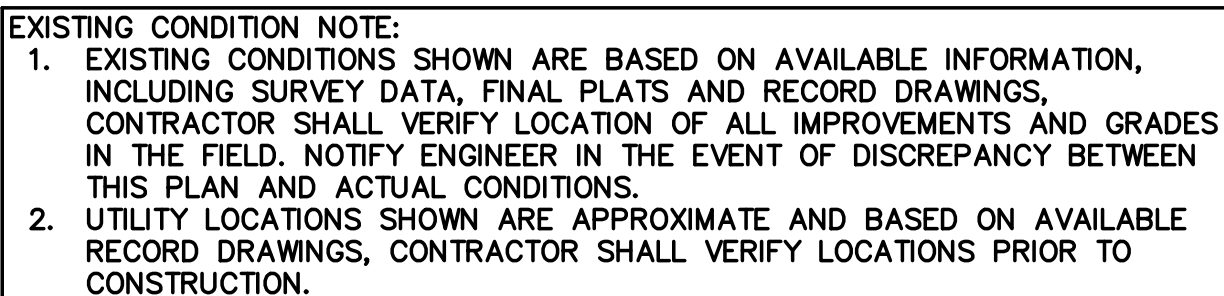
November 23, 2023



REVISION	DATE	ISSUE TITLE
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













































PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AE
DATE: 2023-11-23	SCALE: 1:4
SHEET NUMBER:	

6 of 27



1. ALL EXISTING CONCRETE AND ASPHALT IMPROVEMENTS TO BE REMOVED FROM SITE AS SHOWN. CONTRACTOR SHALL DISPOSE OF CONCRETE, ASPHALT, AND OTHER CONSTRUCTION DEBRIS AT AN APPROVED OFF-SITE FACILITY.
2. ANY HAZARDOUS OR ENVIRONMENTALLY HARMFUL MATERIALS SHALL BE REMOVED AND DISPOSED BY PROPERLY LICENSED CONTRACTORS AND IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REQUIRED PERMITS FOR DEMOLITION FROM THE PROPER AUTHORITIES.
4. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GUIDELINES.

1. A PRE-CONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
2. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROL ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS.
3. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY RE-VEGETATION MULCH, TARP OR RE-VEGETATION MATING.
4. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
5. CONTRACTOR SHALL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY.
6. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMOVING ANY SEDIMENT TRANSPORTED FROM THE LIMITS OF CONSTRUCTION TO THE DETENTION & WATER QUALITY PONDS.

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		PROPERTY (P.O.W.) LINE
		RECORD INFORMATION
		LIGHT POLE
		UTILITY POLE
		DOWN GUY
		CHILLED WATER (SIZE VARIES)
		GROUND LIGHT
		FIRE HYDRANT
		WATER VALVE
		WATER METER
		WATER METER VAULT
		WATER MANHOLE
		SMALLER CONTROL BOX
		TELEPHONE RISER
		CABLE TV RISER
		ELECTRIC BOX
		ELECTRIC METER
		GAS METER
		GAS VALVE
		UNDERGROUND CABLE MARKER
		UNDERGROUND RISER OPTIC MARKER
		UNDERGROUND GAS LINE MARKER
		UNDERGROUND TELEPHONE MARKER
		GAS RISER
		GRAVE INLET
		CURB INLET (SIZE VARIES)
		CAST IRON FENCE
		STORMSEWER LINE
		WATER LINE
		FIRE LINE
		CHILLED WATER
		WASTEWATER LINE

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
	XX-OK	ELECTRIC LINE
	XX-UT	OVERHEAD ELECTRIC
	XX-UC	UNDERGROUND TELEPHONE
	XX-IC	UNDERGROUND CABLE AND INTERNET
	TG	UNDERGROUND CABLE AND TELEPHONE
	TC	TELECOMMUNICATIONS LINE
	EMH	ELECTRIC MANHOLE (SIZE VARIES)
WMM		WASTEWATER MANHOLE (SIZE VARIES)
SSMM		STORMSEWER GRATE INLET (SIZE VARIES)
TMH	TMH	TELEPHONE MANHOLE (SIZE VARIES)
CO	CO+	WASTEWATER CLEANOUT
		CURB & GUTTER
		VERTICAL CURB
		EDGE OF PAVEMENT
		IMPERVIOUS WALKWAYS
		WALL
		WATER LINE
	WL	
	WW	
	FFE	FINISH FLOOR ELEVATION
	500	CONTOUR
		SILT FENCE
		LIMITS OF CONSTRUCTION & SILT FENCE
		INLET PROTECTION
		STABILIZATION ENTRANCE
		ROCK RIPRAP

CN CALCULATION (DA-1)			
HYDROLOGY GROUP "D"			
DESC.	AREA ACRE	CN	AREA X CN
PERVIOUS	3.860	84	324.22
CONCRETE & ASPHALT	1.165	98	114.20
GRAVEL	0.872	91	79.35
TOTAL AREA	5.897		
AVERAGE CN	87.80		

CN CALCULATION (DA-2)			
HYDROLOGY GROUP "D"			
DESC.	AREA ACRE	CN	AREA X CN
PERVIOUS	0.222	84	18.61
CONCRETE & ASPHALT	0.239738	98	23.49
GRAVEL	0	91	0.00
TOTAL AREA	0.461		
AVERAGE CN	91.28		

LEGEND

- 1/2" IRON ROD FOUND (UNLESS OTHERWISE NOTED)
- LIGHT POLE
- UTILITY POLE
- DOWN GUY
- FIRE HYDRANT
- WATER VALVE
- ELECTRIC BOX
- ELECTRIC METER
- GAS METER

- OVERHEAD ELECTRIC LINE
- ELECTRIC MANHOLE
- WASTEWATER MANHOLE
- STORM SEWER MANHOLE
- CLEANOUT

- DRAINAGE AREA BOUNDARY
- SUB-BASIN AREA BOUNDARY

- DIRECTION OF STORMWATER FLOW
- DRAINAGE AREA ABBREVIATION
- DRAINAGE AREA NUMBER

DA-1
X.XX AC

DRAINAGE AREA I.D.
AREA (ACRES)

EXISTING IMPERVIOUS COVER

GRASS	177,972 SF	4.084 AC.	
BUILDING	18,046 SF	0.414 AC.	
CONCRETE	9,502 SF	0.218 AC.	
GRAVEL	37,980 SF	0.872 AC.	
ASPHALT	33,645 SF	0.772 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER		35.8 %	

DEPTH-DURATION VALUES

STORM EVENT	DCM DEPTH (INCH)
2-YEAR SCS TYPE III, 24-HOUR	3.96
10-YEAR SCS TYPE III, 24-HOUR	6.44
25-YEAR SCS TYPE III, 24-HOUR	8.30
100-YEAR SCS TYPE III, 24-HOUR	11.76

NOTES:

- DRAINAGE CALCULATION FOR THIS DEVELOPMENT ARE BASED UPON THE NOAA Atlas 14 PRECIPITATION FREQUENCY DATA WITH A MINIMUM TIME OF CONCENTRATION OF 5 MINUTES. OVERLAND FLOW AND OTHER HYDRAULIC CALCULATIONS ARE BASED UPON THE MANNING'S EQUATION.
- TOPOGRAPHY SHOWN IS BASED UPON ON-SITE SURVEY DATA DATED FEBRUARY 2023 PERFORMED BY AES ENGINEERING CONSULTANT.
- BASED ON THE ON-SITE INSPECTION AND TOPOGRAPHIC SURVEY, THE PRE-DEVELOPMENT CONDITION DOES NOT INCLUDE ANY EXISTING DETENTION OR WATER QUALITY POND.
- BASED ON THE HISTORICAL ARIEL FROM historicaerials.com WEBSITE, THE EXISTING BUILDING AND PAVEMENT WERE BUILT BEFORE 1981.

JUNCTION 1			
2-YRS	10-YRS	25-YRS	100-YRS
CFS	CFS	CFS	CFS
18.93	31.92	40.86	56.4

JUNCTION 2			
2-YRS	10-YRS	25-YRS	100-YRS
CFS	CFS	CFS	CFS
2.23	3.62	4.57	6.21

EXISTING CONDITION											
DESC.	AREA ACRE	AREA SQ.MI	CN	TC MIN	LAG	2-YRS CFS	10-YRS CFS	25-YRS CFS	100-YRS CFS		
OFFSITE	0.919	0.001436	84	23.92	14.35	2.12	3.81	4.98	6.99		
PRE-DA1	5.897	0.009214	87.8	20.43	12.26	16.81	28.11	35.88	49.41		
PRE-DA2	0.461	0.00072	91.28	5	3.00	2.17	3.56	4.52	6.17		
TOTAL						21.1	35.48	45.38	62.57		

Tc Calculations (SCS Unit Hydrograph Model)

AREA No.	Sheet Flow					Shallow Concentrated Flow					Total Tc (minimum 5 min)		T lag
	L (ft)	n	s (ft/ft)	P ₂ (in)	t _{sheet} min	L (ft)	Surface	s (ft/ft)	V (fps)	t _{shallow} min	min	hrs	
OFFSITE	100	0.30	0.0100	3.96	20.23	357	Unpaved	0.0100	1.61	3.69	23.92	0.40	14.4
PRE DA-1	100	0.30	0.0200	3.96	15.34	698	Unpaved	0.0200	2.28	5.10	20.43	0.34	12.3

PERMIT NO: TBD

SAVED ON 11/23/2023 6:32:18 PM

PROJECT:

MINYARD PLUMBING

LOCATION:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



project team

OWNER:
RICHARD MINYARD
P.O. BOX 1149
CEDAR PARK, TX 78613

CIVIL ENGINEER:

AES Engineering Consultant
Ahmed El Seweify P.E.
2514 PRESERVE TRAIL,
CEDAR PARK, TX 78613
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email: contact@aes-engs.com
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ARCHITECT:

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Boundary Survey:

CRICHTON & ASSOCIATES
6448 US-290 #105
AUSTIN, TX 78753

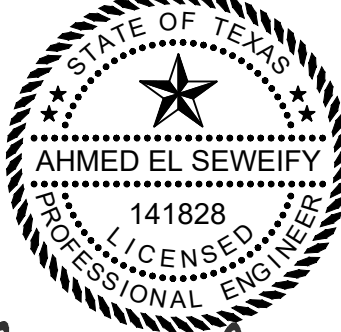
GEOTECHNICAL ENGINEER

ARIAS
13581 POND SRPINGS RD, SUITE 210
AUSTIN, TEXAS 78729
737-220-0114



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November 23, 2023



Ahmed El Seweify

REVISION DATE ISSUE TITLE

DRAWING TITLE:

EXISTING DRAINAGE AREA MAP

PROJECT NO:

10-1024

DRAWN & CHECKED BY:

MRL

AES

DATE:

2023-11-23

SCALE:

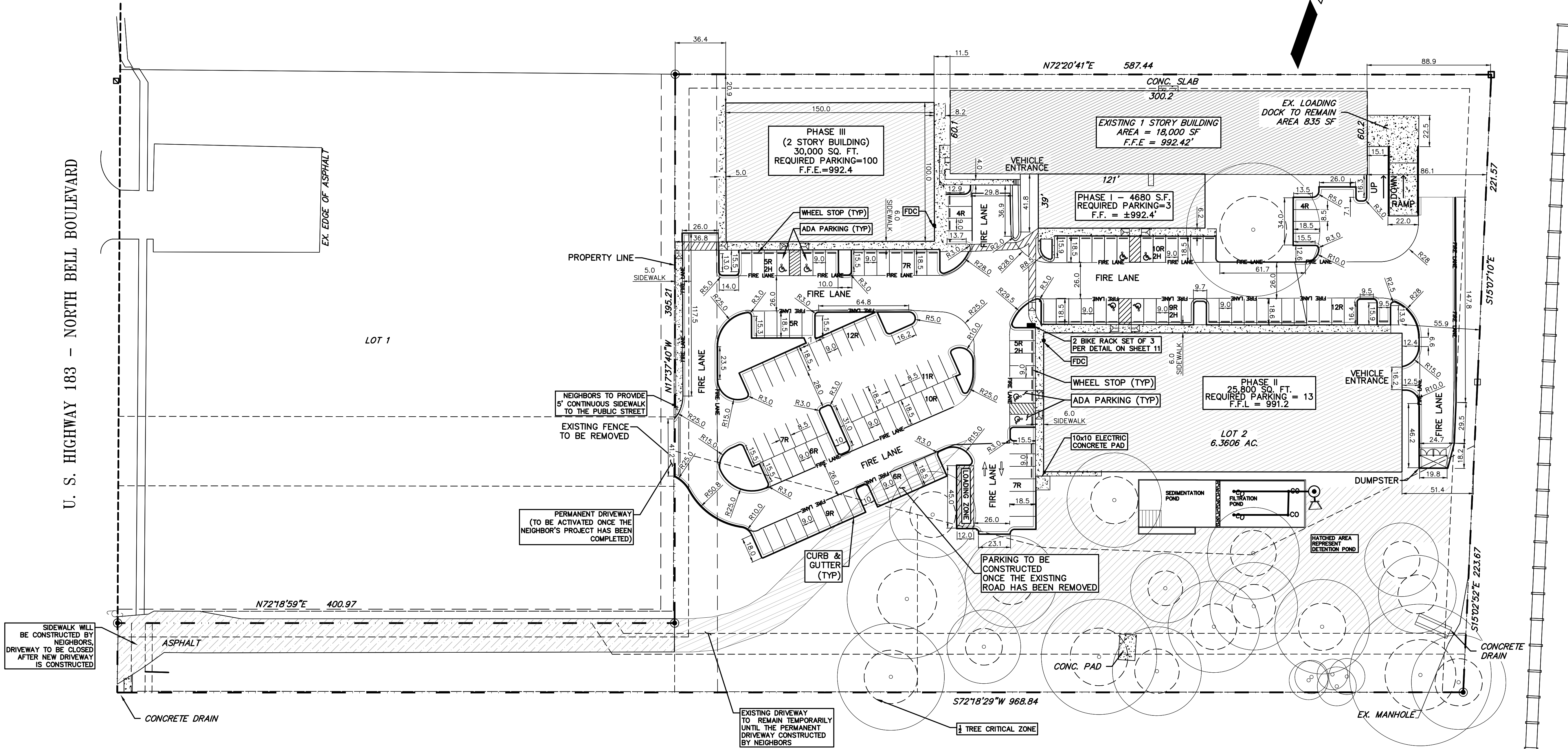
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SHEET NUMBER:

8 of 27

DRAWING PATH - G:\MY DRIVES\AES ENGINEERING\10-1024 MINYARD\CAD\DRAWING AREA MAP.DWG

U. S. HIGHWAY 103 - NORTH BELL BOULEVARD



PROPOSED IMPERVIOUS COVER			
GRASS	114,462 SF	2.628 AC.	
BUILDING	63,480 SF	1.457 AC.	
PAVEMENT & SIDEWALK	99,143 SF	2.276 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER			58.68 %

REQUIRED PARKING TABLE:

DESCRIPTION	AREA	USE	REQUIREMENT	REQUIRED PARKING
BUILDING 1 (EXIST)	18,000 SF	WAREHOUSE	1:2000 SF OF GFA	9
BUILDING 1 ADDITION	4,600 SF	WAREHOUSE	1:2000 SF OF GFA	3
BUILDING 2	25,800 SF	WAREHOUSE	1:2000 SF OF GFA	13
BUILDING 3 (2 STORY)	30,000 SF	OFFICES	1:300 SF OF GFA	100
TOTAL				125

PROVIDED PARKING SUMMARY

PROVIDED PARKING TABLE	
REGULAR PARKING	130
ADA PARKING	8
TOTAL	138

FIRE PROTECTION

FIRE LANE NOTES

- ALL BUILDINGS OF THIS PROJECT ARE WITHIN 300' OF THE PRIMARY FIRE HYDRANT AND 500' OF THE SECONDARY FIRE HYDRANT, AND 150' FROM A FIRE LANE OR PUBLIC STREET, EXTENDED TO 175' FOR A FULLY-SPRINKLED BUILDING.
- THE 26' FIRE LANE SHOWN HEREON SHALL BE MARKED PER DETAIL ON SHEET 23
- FIRE LANES SHALL BE CONSTRUCTED TO ADEQUATELY TOLERATE DEMANDS OF THE HEAVYWEIGHT VEHICLES PROVIDING FIRE PROTECTION SERVICES.

SIGNS

SIGNS AND OUTDOOR ADVERTISING DISPLAY

1. SIGNS AND OUTDOOR ADVERTISING DISPLAY SHALL BE UNDER SEPARATE PERMIT.

ADA

ADA COMPLIANCE

- ALL INTERIOR AND EXTERIOR ADA DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CURRENT ADA GUIDELINES AND COMPLIANCE OF SAME SHALL BE THE SOLE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR AND PROJECT ARCHITECT. CONTRACTOR SHALL REVIEW PLANS AND NOTIFY PROJECT ARCHITECT/ENGINEER WITH ANY MODIFICATIONS REQUIRED FOR SUBSTANTIAL COMPLIANCE.
- APPROVAL OF THESE PLANS BY THE CITY OF CEDAR PARK INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATION ONLY. COMPLIANCE WITH ACCESSIBILITY STANDARDS WAS NOT VERIFIED. THE APPLICANT IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY STANDARDS.
- SLOPES ON ACCESSIBLE ROUTE MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP. [ANSI 403.3]
- ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50. [ANSI 403.3]

GENERAL NOTES:

1. PAVERS MAY BE USED ON THE ADA ROUTE WITH THE FOLLOWING CONDITIONS:

- JOINTS BETWEEN PAVERS $\frac{1}{4}$ " MAXIMUM
- VERTICAL DIFFERENCES BETWEEN PAVERS $\frac{1}{4}$ " MAXIMUM
- RUNNING SLOPE (IN THE DIRECTION OF TRAVEL) 1:20 (5%) MAXIMUM
- CROSS SLOPE (PERPENDICULAR TO THE DIRECTION OF TRAVEL) $\frac{1}{4}$ " PER FOOT (2%) MAXIMUM.
- REFERENCE ARCHITECTURAL PLANS FOR BUILDING LAYOUT.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
(---)	(---)	PROPERTY LINE / (R.O.W.) LINE
(---)	(---)	RECORD INFORMATION
(---)	(---)	GROUND LIGHT
(---)	(---)	POWER POLE
(---)	(---)	DOWN GUY
(---)	(---)	TRANSFORMER (SIZE VARIES)
(---)	(---)	FIRE HYDRANT
(---)	(---)	WATER VALVE
(---)	(---)	WATER METER
(---)	(---)	WATER METER VAULT (SIZE VARIES)
(---)	(---)	CABLE TV RISER
(---)	(---)	ELECTRIC BOX
(---)	(---)	ELECTRIC METER
(---)	(---)	GRATE INLET
(---)	(---)	CURB INLET (SIZE VARIES)
(---)	(---)	OVERHEAD ELECTRIC
(---)	(---)	ELECTRIC MANHOLE (SIZE VARIES)
(---)	(---)	WASTEWATER MANHOLE (SIZE VARIES)
(---)	(---)	STORMSEWER MANHOLE (SIZE VARIES)
(---)	(---)	TELEPHONE MANHOLE (SIZE VARIES)
(---)	(---)	WASTEWATER CLEANOUT
(---)	(---)	CURB & GUTTER
(---)	(---)	EDGE OF PAVEMENT
(---)	(---)	FIRE LANE DESIGNATION
(---)	(---)	HANDICAP ACCESS ROUTE
(---)	(---)	CONCRETE SIDEWALKS
(---)	(---)	SIGN
(---)	(---)	FINISH FLOOR ELEVATION
(---)	(---)	PARKING COUNT (REGULAR SPACES)
(---)	(---)	PARKING COUNT (HANDICAP SPACES)
(---)	(---)	PARKING COUNT (COMPACT SPACES)
(---)	(---)	HANDICAP SPACE

PROJECT:

MINYARD PLUMBING

LOCATION:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



project team

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737-220-0114



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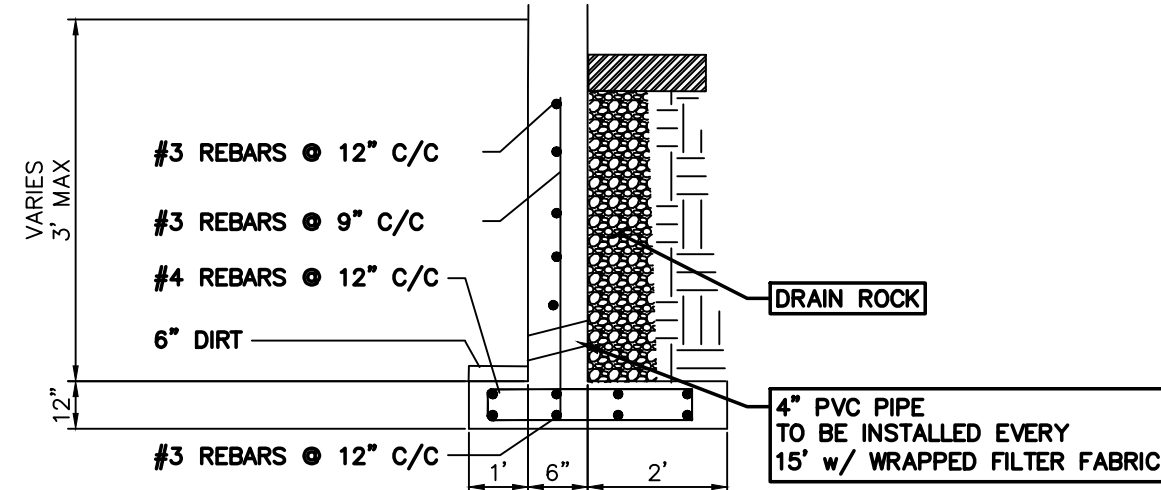
STATE OF TEXAS
141828
AHMED EL SEWEIFY
LICENSED PROFESSIONAL ENGINEER

REVISION DATE ISSUE TITLE

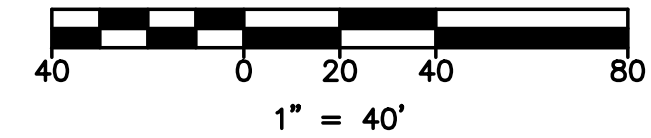
DRAWING TITLE:

SITE PLAN AND DIMENSIONS

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1:40
SHEET NUMBER:	

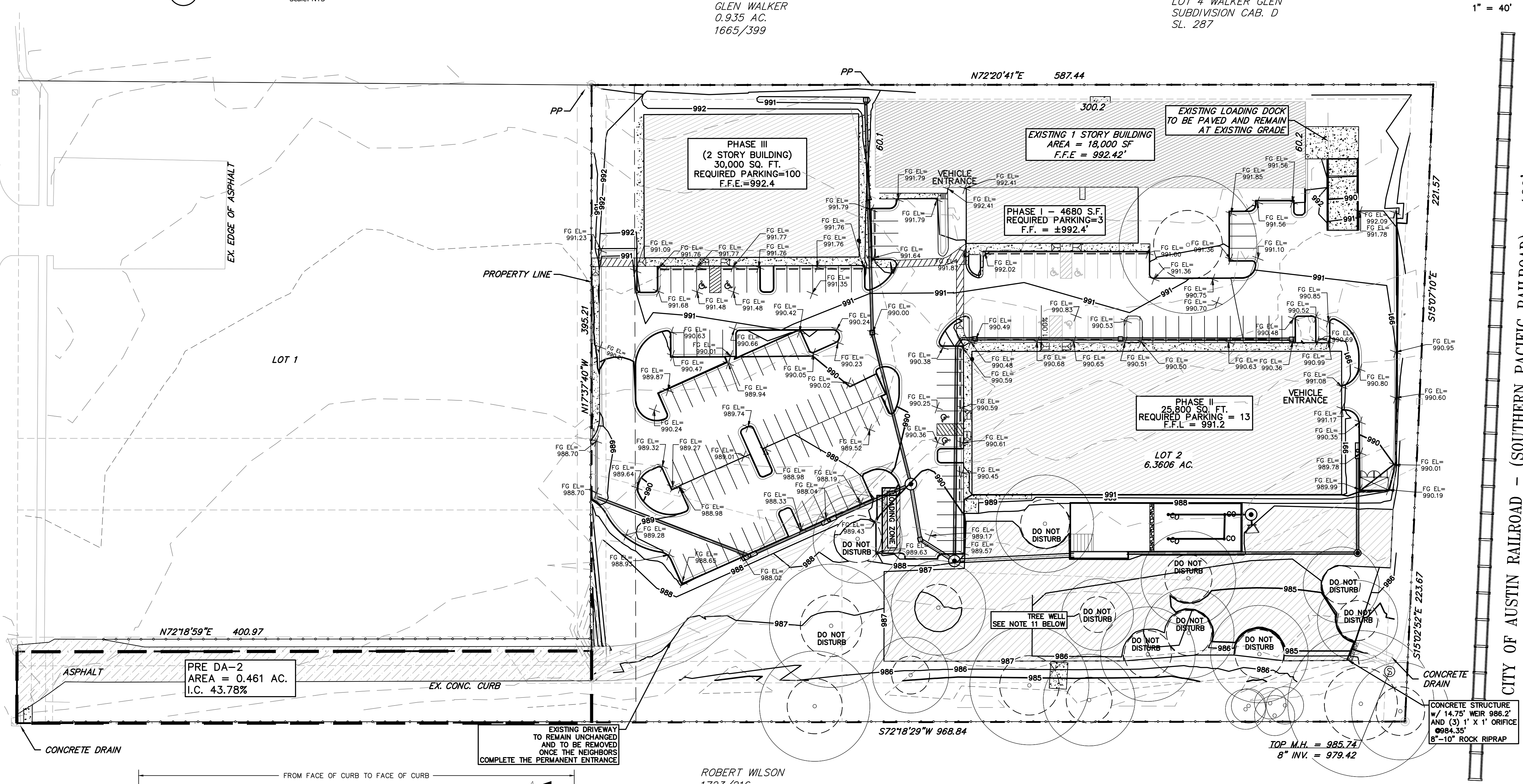


1 3' WALL DESIGN
Scale: NTS



CITY OF AUSTIN RAILROAD - (SOUTHERN PACIFIC RAILROAD) - 100' R.O.W.

U. S. HIGHWAY 183 - NORTH BELL BOULEVARD

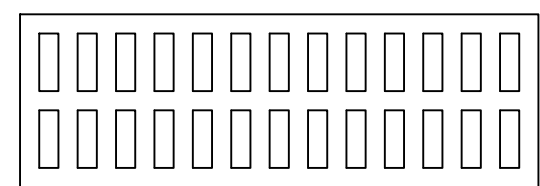


GLEN WALKER
0.935 AC.
1665/399

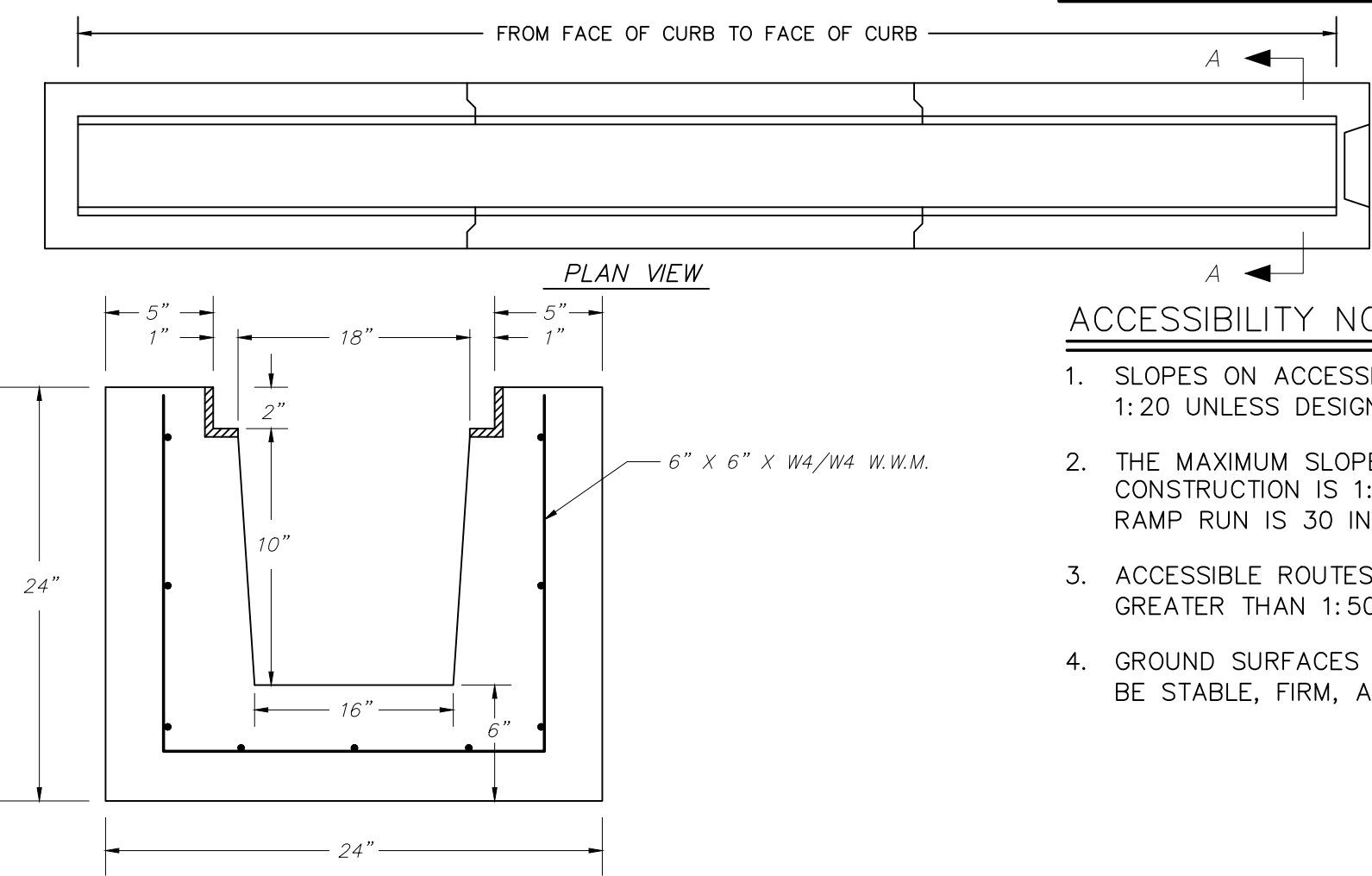
LOT 4 WALKER GLEN
SUBDIVISION CAB. D
SL. 287

ROBERT WILSON
1723/216

Precast Concrete Sales Co. 123 Route 303 Valley Cottage, N.Y. 10989 Tel. (845) 268-4949 - Fax (845) 268-4376		
TRENCH DRAIN		
DATE	DRAWN BY	DRAWING NO.
1/16	CLASSIC DESIGN	142



- NOTES :
1. MINIMUM 4,000 PSI CONCRETE @ 28 DAYS
 2. 60 GRADE REINFORCEMENT
 3. APPROX. WEIGHT = 325 LBS/LIN.FT.



ACCESSIBILITY NOTES

1. SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP. [TAS 4.3.7]
2. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 IN. [TAS 4.8.2]
3. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50. [TAS 4.3.7]
4. GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT. [TAS 4.5.1]

EXISTING IMPERVIOUS COVER			
GRASS	191,228 SF	4.39 AC.	
BUILDING	18,046 SF	0.414 AC.	
CONCRETE	37,980 SF	0.872 AC.	
GRAVEL	61,86.84 SF	0.142 AC.	
ASPHALT	23,390 SF	0.537 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER		30.9 %	

PROPOSED IMPERVIOUS COVER			
GRASS	114,462 SF	2.628 AC.	
BUILDING	63,480 SF	1.457 AC.	
PAVEMENT & SIDEWALK	99,143 SF	2.276 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER		58.68 %	

SPOT ELEVATION LEGEND

FG = FINISHED GRADE
FL = FLOW LINE
GB = GRADE BREAK
G = GRADE
TC = TOP OF CURB
FFE = FINISH FLOOR ELEVATION

NOTES:

1. CONTRACTOR SHALL ACHIEVE PROPOSED GRADES WITHIN ± 0.2 FEET.
2. DRIVEWAY SLOPE SHALL NOT EXCEED 10% SLOPE.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM FOUNDATION. GRADE SHALL DROP A MINIMUM OF 6" IN 10' AWAY FROM FOUNDATION.
4. CONTRACTOR SHALL MAINTAIN A MINIMUM SLAB EXPOSURE OF 6".
5. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN THE DIRECTION OF FLOW. ELIMINATING LOCALIZED HIGH POINTS OR DEPRESSIONS THAT CAN CAUSE PONDING.
6. MINIMUM ACCEPTABLE FINAL GRADE SLOPE IS 1% UNLESS OTHERWISE NOTED.
7. MAXIMUM ALLOWABLE UN-STABILIZED SLOPE IS 3:1 SLOPES EXCEEDING THIS LIMIT SHALL BE STABILIZED.
8. CONTRACTOR SHALL CONTACT ENGINEER SHOULD THERE BE ANY QUESTION AS TO INTENT OF GRADING PLAN.
9. SPOILS REMOVED FROM SITE SHALL BE TAKEN TO AN APPROVED DISPOSAL FACILITY.
10. FILL SHALL BE PLACED IN ACCORDANCE WITH RECOMMENDATIONS IN SITE SPECIFIC GEO-TECHNICAL REPORT.
11. CONTRACTOR MUST AVOID DISTURBING THE TREES $\frac{1}{2}$ CRITICAL ZONE BY ADDING TREE WELL PER DETAIL ON SHEET 7

MINYARD
PLUMBING

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



project team

OWNER:
RICHARD MINYARD
P.O. BOX 1149
CEDAR PARK, TX 78613

CIVIL ENGINEER:
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Ahmed El Seweify P.E.
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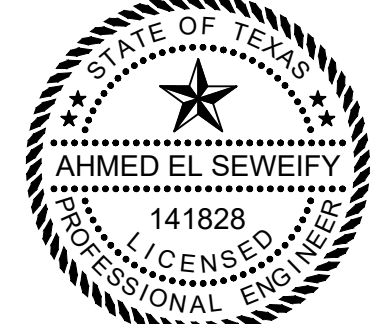
Boundary Survey:
CRICHTON & ASSOCIATES
6448 US-290 #105
AUSTIN, TX 78753

GEOTECHNICAL ENGINEER
ARIAS
13581 POND SRPINGS RD, SUITE 210
AUSTIN, TEXAS 78729
737-220-0114



Know what's below.
Call before you dig.

November 23, 2023



Ahmed El Seweify

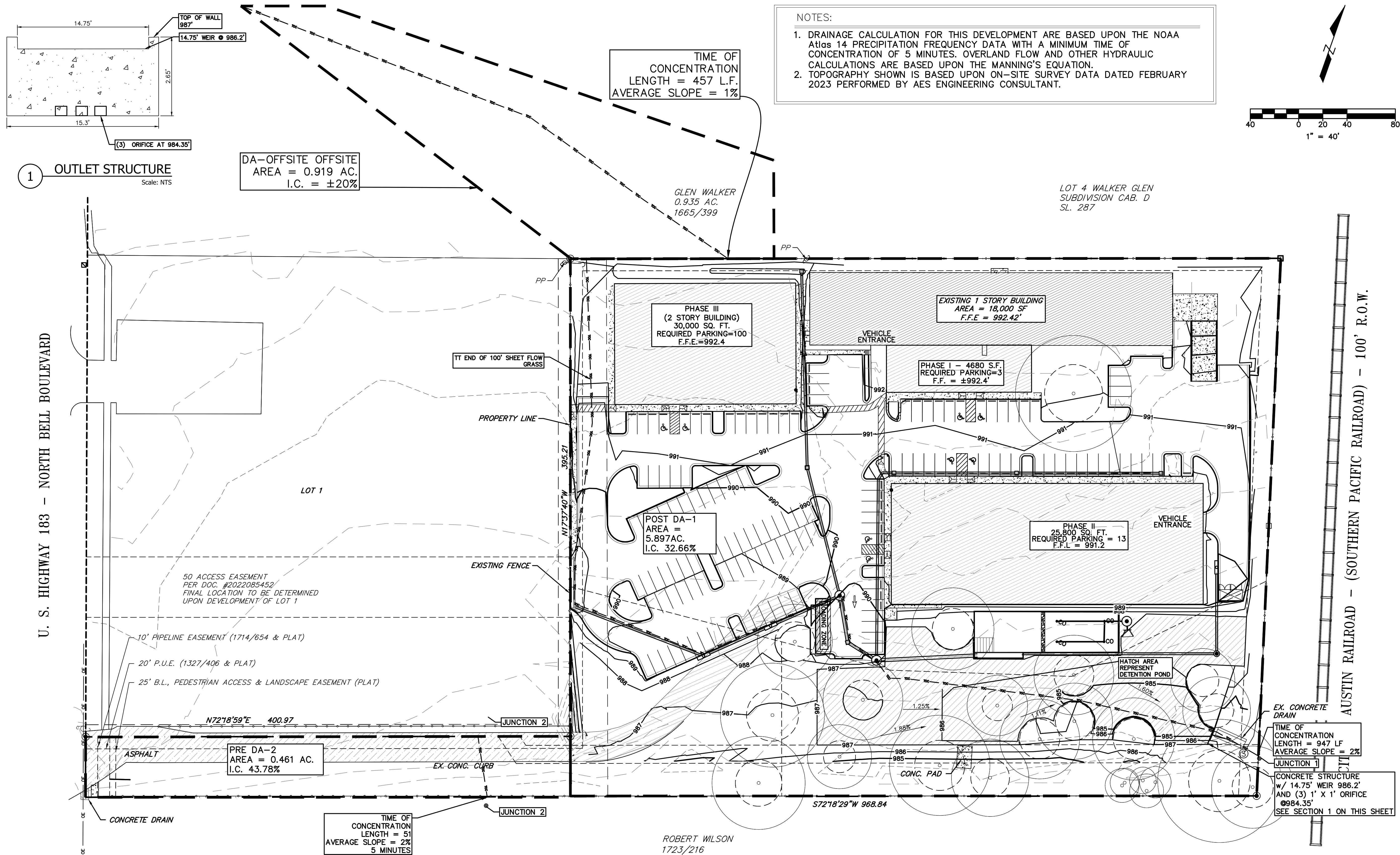
REVISION	DATE	ISSUE TITLE

DRAWING TITLE:

GRADING PLAN

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1:40
SHEET NUMBER:	

12 of 27



PROPOSED IMPERVIOUS COVER

GRASS	114,462 SF	2.628 AC.	
BUILDING	63,480 SF	1.457 AC.	
PAVEMENT & SIDEWALK	99,143 SF	2.276 AC.	
TOTAL	277,085 SF	6.361 AC.	
TOTAL IMPERVIOUS COVER			58.68 %

Inlet Calculations

INLET 2			
Q=(3.0h ^{1.5})L ^{0.48} Cf		4.24 cfs	
Size of Inlet (length)	8 ft		
h= height of head water	0.5 ft		
Cf= Clogging factor	0.50		
Q25 from Drainage Calcs	2.63		
INLET 4			
Q=(3.0h ^{1.5})L ^{0.48} Cf		6.36 cfs	
Size of Inlet (length)	12 ft		
h= height of head water	0.5 ft		
Cf= Clogging factor	0.50		
Q25 from Drainage Calcs	4.7		
INLET 6			
Q=(3.0h ^{1.5})L ^{0.48} Cf		4.24 cfs	
Size of Inlet (length)	8 ft		
h= height of head water	0.5 ft		
Cf= Clogging factor	0.50		
Q25 from Drainage Calcs	0.91		
INLET 7			
Q=(3.0h ^{1.5})L ^{0.48} Cf		4.24 cfs	
Size of Inlet (length)	8 ft		
h= height of head water	0.5 ft		
Cf= Clogging factor	0.50		
Q25 from Drainage Calcs	2.75		
INLET 8			
Q=(3.0h ^{1.5})L ^{0.48} Cf		4.24 cfs	
Size of Inlet (length)	8 ft		
h= height of head water	0.5 ft		
Cf= Clogging factor	0.50		
Q25 from Drainage Calcs	2.41		
INLET 9			
Q=(3.0h ^{1.5})L ^{0.48} Cf		6.36 cfs	
Size of Inlet (length)	12 ft		
h= height of head water	0.5 ft		
Cf= Clogging factor	0.50		
Q25 from Drainage Calcs	5.35		

U. S. HIGHWAY 183

50' ACCESS EASEMENT
PER DOC. #2022085452
FINAL LOCATION TO BE DETERMINED
UPON DEVELOPMENT OF LOT 1

10' PIPELINE EASEMENT (1714/654 & PLAT)

20' P.U.E. (1327/406 & PLAT)

25' B.L., PEDESTRIAN ACCESS & LANDSCAPE EASEMENT (PLAT)

CONCRETE DRAIN

TIME OF CONCENTRATION

AREA No.	Sheet Flow					Shallow Concentrated Flow					Total T _c (minimum 5 min)		T lag
	L (ft)	n	s (ft/ft)	P ₂ (in)	t _{sheet} min	L (ft)	Surface	s (ft/ft)	V (fps)	t _{shallow} min	min	hrs	
DA-INLET 1	100	0.30	0.0100	3.96	20.23	167	Paved	0.0100	2.03	1.37	21.60	0.36	13.0
DA-INLET 2	100	0.015	0.0200	3.96	1.40	91	Paved	0.0200	2.87	0.53	5.00	0.08	3.0
DA-INLET 3	100	0.015	0.0200	3.96	1.40	161	Paved	0.0200	2.87	0.93	5.00	0.08	3.0
DA-INLET 4	100	0.015	0.0200	3.96	1.40	42	Paved	0.0200	2.87	0.24	5.00	0.08	3.0
DA-INLET 5	100	0.015	0.0200	3.96	1.40	46	Paved	0.0200	2.87	0.27	5.00	0.08	3.0
DA-INLET 6	100	0.015	0.0200	3.96	1.40	0	Paved	0.0200	2.87	0.00	5.00	0.08	3.0
DA-INLET 7	100	0.015	0.0200	3.96	1.40	78	Paved	0.0200	2.87	0.45	5.00	0.08	3.0
DA-INLET 8	100	0.015	0.0200	3.96	1.40	72	Paved	0.0200	2.87	0.42	5.00	0.08	3.0
DA-INLET 9	100	0.015	0.0200	3.96	1.40	143	Paved	0.0200	2.87	0.83	5.00	0.08	3.0
DA-INLET 10	100	0.015	0.0200	3.96	1.40	78	Paved	0.0200	2.87	0.45	5.00	0.08	3.0

INLET FLOW CALCULATION						
DESC.	AREA ACRES	AREA SQ.MI	TC MIN	LAG	25-YRS CFS	
DA-OFFSITE	0.919	0.001435938	23.92	14.35	4.98	
DA-INLET 1	0.26	0.00040625	21.6	12.96	1.58	
DA-INLET 2	0.261	0.000407813	5	3.00	2.63	
DA-INLET 3	0.478	0.000746875	5	3.00	4.95	
DA-INLET 4	0.452	0.00070625	5	3.00	4.7	
DA-INLET 5	0.325	0.000507813	5	3.00	3.38	
DA-INLET 6	0.087	0.000135938	5	3.00	0.91	
DA-INLET 7	0.263	0.000410938	5	3.00	2.75	
DA-INLET 8	0.23	0.000359375	5	3.00	2.41	
DA-INLET 9	0.524	0.00081875	5	3.00	5.35	
DA-INLET 10	0.235	0.000367188	5	3.00	2.42	
DA-INLET 11	0.025	0.000039063	5	3.00	0.26	

ROBERT WILSON
1723/216

PIPE CALCULATION

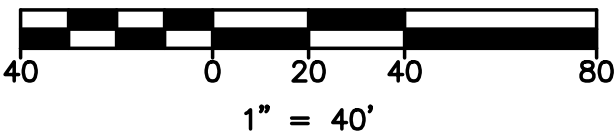
<p>TRENCH INLET 1 TO INLET 3 (18 INCH PIPE)</p> <table> <tr><td>n</td><td>a</td><td>R</td><td>s</td></tr> <tr><td>0.01</td><td>1.77</td><td>0.375</td><td>0.0049</td></tr> <tr><td>25 YEAR FLOW CALCULATED</td><td>1.58</td><td>CFS</td><td></td></tr> <tr><td>PIPE CAPACITY</td><td>9.60</td><td>CFS</td><td></td></tr> </table>	n	a	R	s	0.01	1.77	0.375	0.0049	25 YEAR FLOW CALCULATED	1.58	CFS		PIPE CAPACITY	9.60	CFS		<p>INLET 4 TO MH-1 (18 INCH PIPE)</p> <table> <tr><td>n</td><td>a</td><td>R</td><td>s</td></tr> <tr><td>0.01</td><td>1.77</td><td>0.375</td><td>0.0091</td></tr> <tr><td>25 YEAR FLOW CALCULATED</td><td>12.31</td><td>CFS</td><td></td></tr> <tr><td>PIPE CAPACITY</td><td>13.08</td><td>CFS</td><td></td></tr> </table>	n	a	R	s	0.01	1.77	0.375	0.0091	25 YEAR FLOW CALCULATED	12.31	CFS		PIPE CAPACITY	13.08	CFS		<p>INLET 8 TO INLET 7 (18 INCH PIPE)</p> <table> <tr><td>n</td><td>a</td><td>R</td><td>s</td></tr> <tr><td>0.01</td><td>1.77</td><td>0.375</td><td>0.004</td></tr> <tr><td>25 YEAR FLOW CALCULATED</td><td>7.76</td><td>CFS</td><td></td></tr> <tr><td>PIPE CAPACITY</td><td>8.67</td><td>CFS</td><td></td></tr> </table>	n	a	R	s	0.01	1.77	0.375	0.004	25 YEAR FLOW CALCULATED	7.76	CFS		PIPE CAPACITY	8.67	CFS		<p>INLET 10 TO MH 3 (18 INCH PIPE)</p> <table> <tr><td>n</td><td>a</td><td>R</td><td>s</td></tr> <tr><td>0.01</td><td>1.77</td><td>0.375</td><td>0.0028</td></tr> <tr><td>25 YEAR FLOW CALCULATED</td><td>2.68</td><td>CFS</td><td></td></tr> <tr><td>PIPE CAPACITY</td><td>7.28</td><td>CFS</td><td></td></tr> </table>	n	a	R	s	0.01	1.77	0.375	0.0028	25 YEAR FLOW CALCULATED	2.68	CFS		PIPE CAPACITY	7.28	CFS	
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DEPTH-DURATION VALUES

STORM EVENT	DCM DEPTH (INCH)
2-YEAR SCS TYPE III, 24-HOUR	3.96
10-YEAR SCS TYPE III, 24-HOUR	6.44
25-YEAR SCS TYPE III, 24-HOUR	8.30
100-YEAR SCS TYPE III, 24-HOUR	11.76

NOTES:

- DRAINAGE CALCULATION FOR THIS DEVELOPMENT ARE BASED UPON THE NOAA Atlas 14 PRECIPITATION FREQUENCY DATA WITH A MINIMUM TIME OF CONCENTRATION OF 5 MINUTES. OVERLAND FLOW AND OTHER HYDRAULIC CALCULATIONS ARE BASED UPON THE MANNING'S EQUATION.
- TOPOGRAPHY SHOWN IS BASED UPON ON-SITE SURVEY DATA DATED FEBRUARY 2023 PERFORMED BY AES ENGINEERING CONSULTANT.



DA-OFFSITE OFFSITE
AREA = 0.919 AC.
I.C. = ±20%

EXISTING	PROPOSED	DESCRIPTION
SSMH	CO	STORMSEWER MANHOLE (SIZE VARIES)
CO	CO	WASTEWATER CLEANOUT CURB & GUTTER
CO	CO	EDGE OF PAVEMENT IMPERVIOUS WALKWAYS
CO	CO	SIGN INTERSTOP BOLLARD
CO	CO	DIRECTION OF FLOW
CO	CO	CONTOUR
CO	CO	HIGH POINT
CO	CO	LOW POINT
CO	CO	SPOT ELEVATION
CO	CO	FINISH FLOOR ELEVATION
CO	CO	ROCK BERM
CO	CO	ROCK RIPRAP
CO	CO	TREE
CO	CO	DRAINAGE AREA BOUNDARY
CO	CO	DA-1
CO	CO	X.XX AC
CO	CO	DRAINAGE AREA I.D.
CO	CO	AREA (ACRES)

HERN PACIFIC RAILROAD - 100' R.O.W.

ALLIANCE

CITY OF

PROJECT:

**MINYARD
PLUMBING**

LOCATION:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



project team

OWNER:
RICHARD MINYARD
P.O. BOX 1149
CEDAR PARK, TX 78613

CIVIL ENGINEER:

AES Engineering Consultant
Ahmed El Seweify P.E.
2514 PRESERVE TRAIL,
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Ph. (512) 785-9034
email: contact@aes-engs.com
Texas Firm F-22721

ARCHITECT:

STUDIO RM ARCHITECTURE
651 N HWY. 183, LEANDER, TX 78641
INFO@THESTUDIORM.COM
512.423.8147

Boundary Survey:

CRICHTON & ASSOCIATES
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AUSTIN, TX 78753

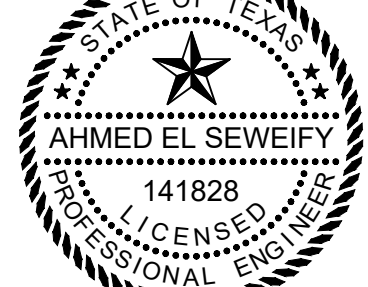
GEOTECHNICAL ENGINEER

ARIAS
13581 POND SRPINGS RD, SUITE 210
AUSTIN, TEXAS 78729
737-220-0114



Know what's below.
Call before you dig.

November 23, 2023



Ahmed El Seweify

REVISION	DATE	ISSUE TITLE

DRAWING TITLE:

**INLET CAPACITY
CALCULATION**

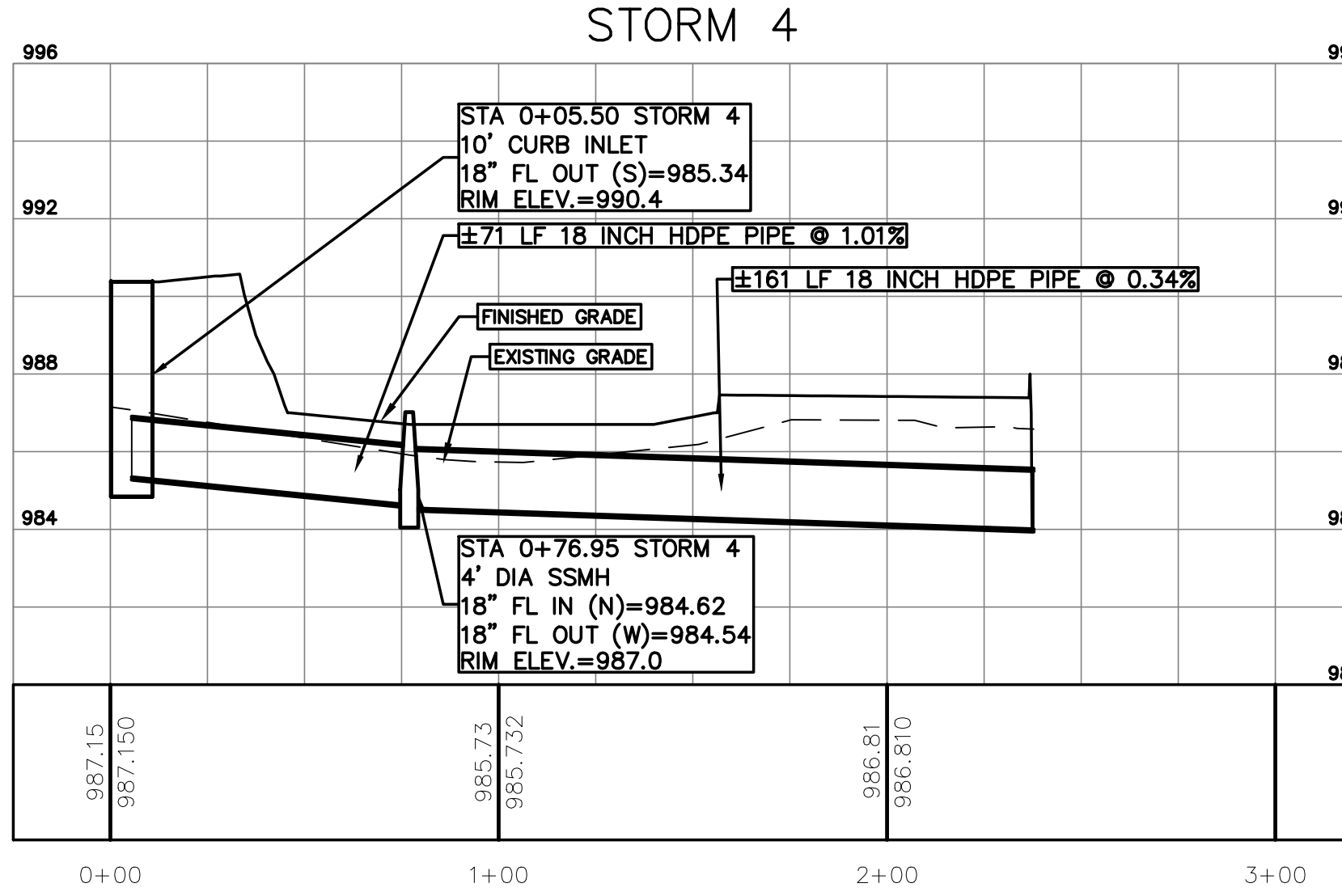
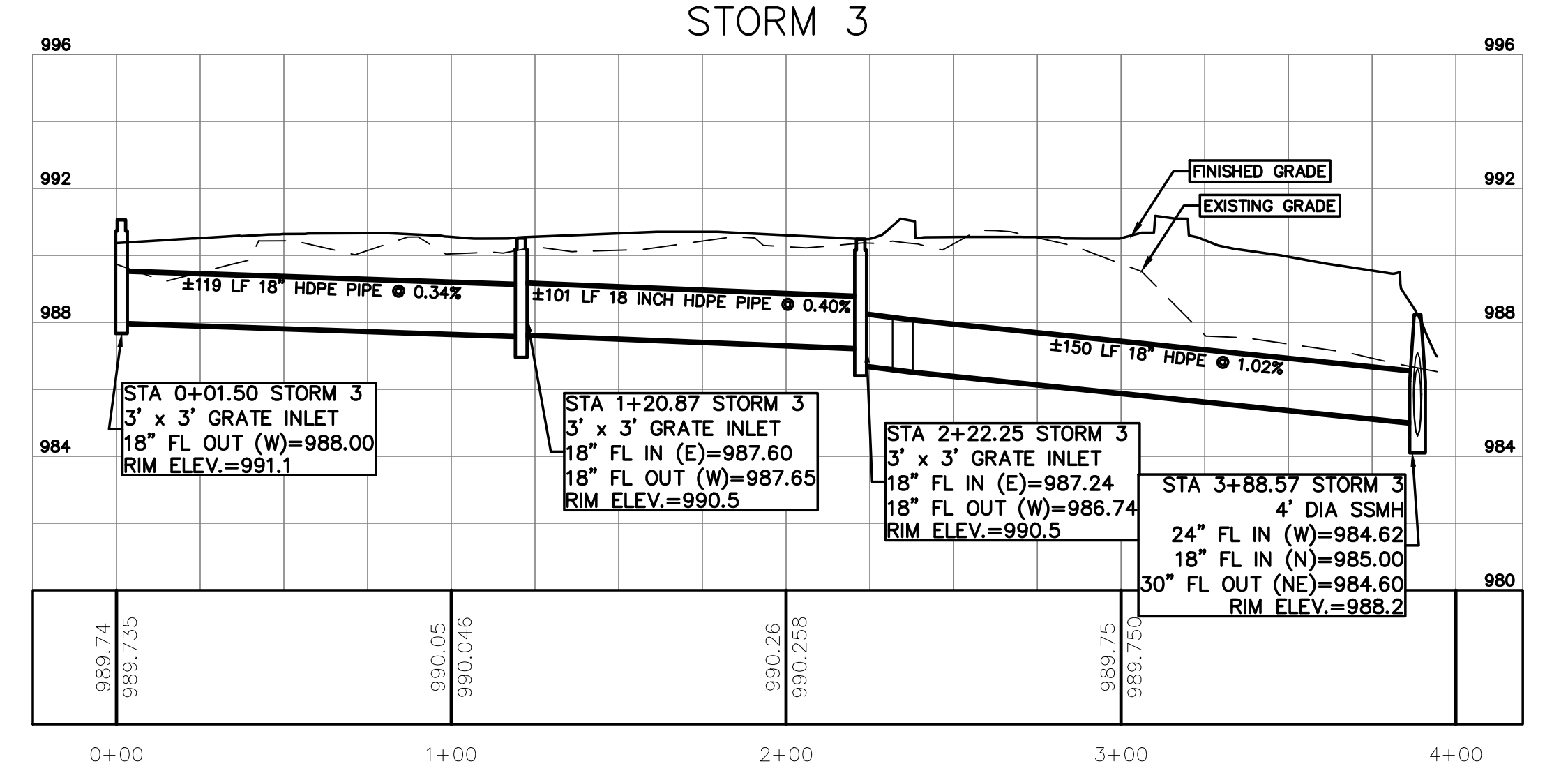
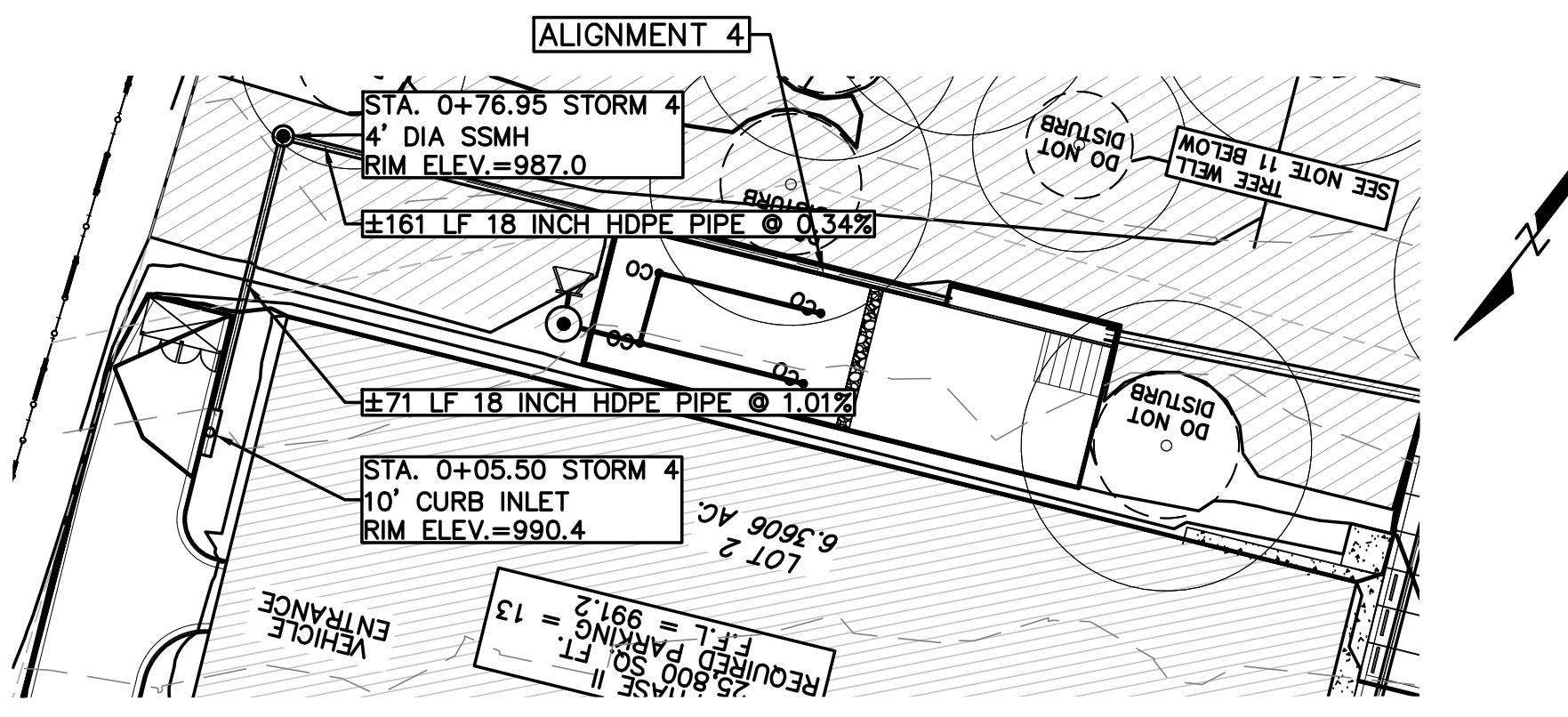
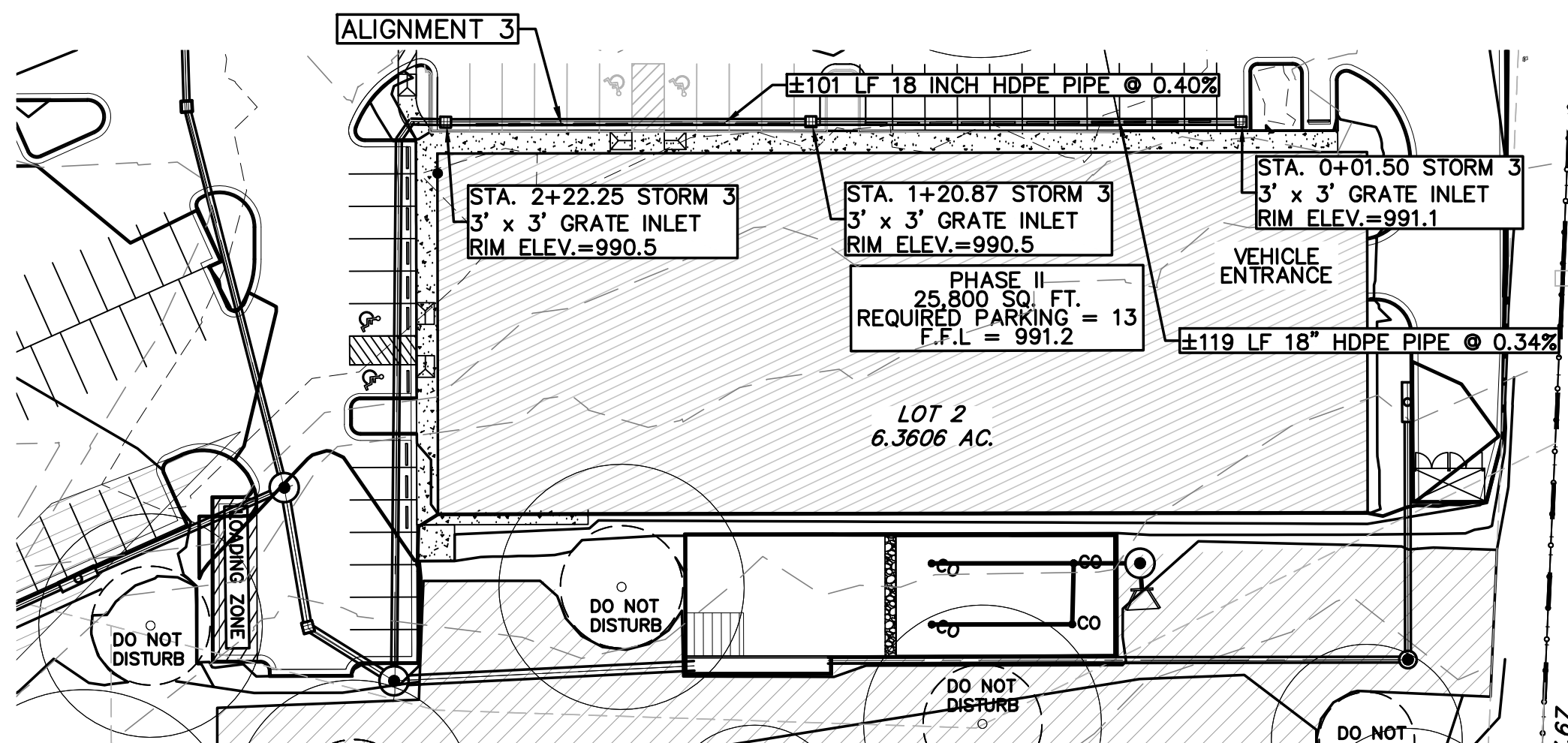
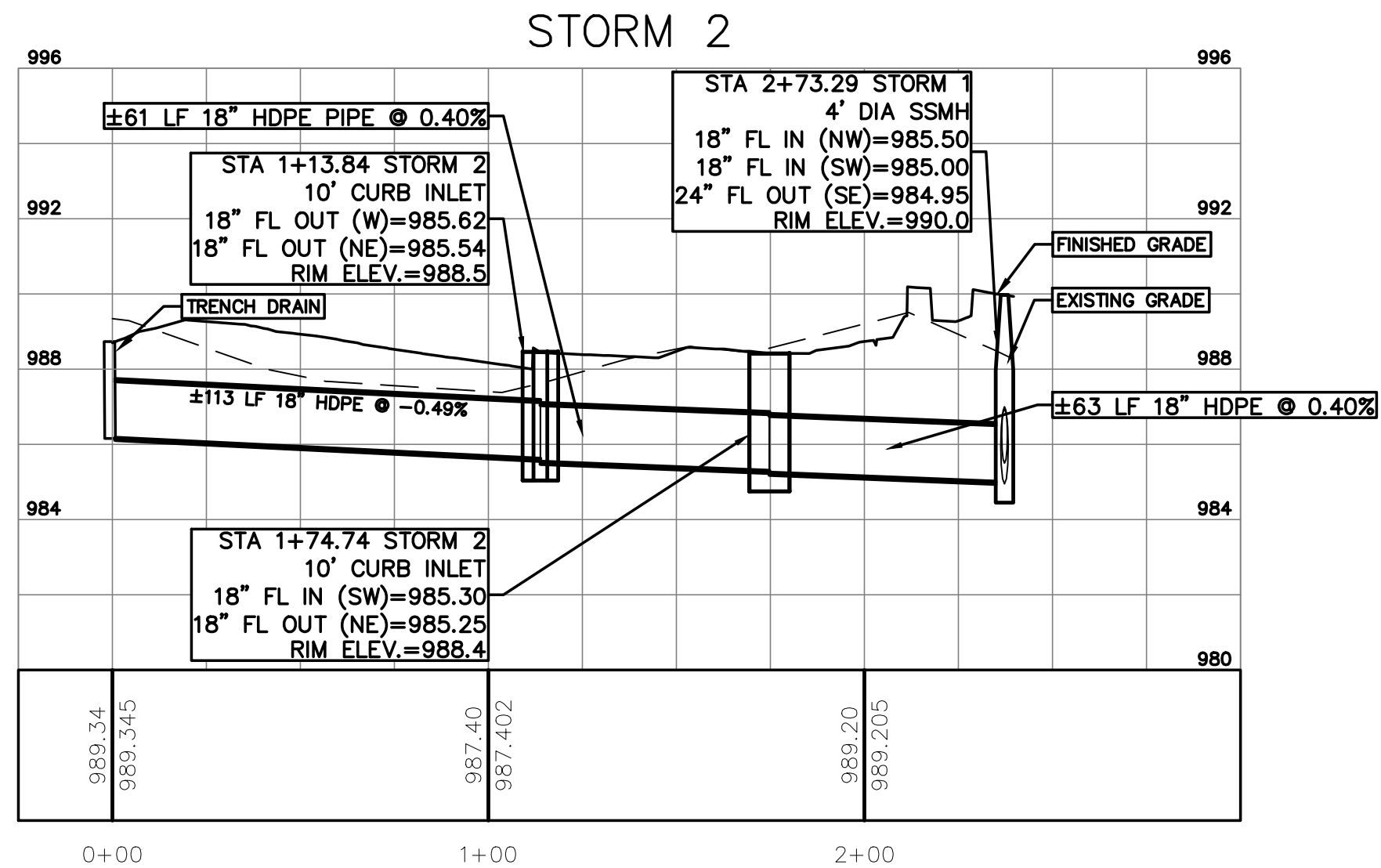
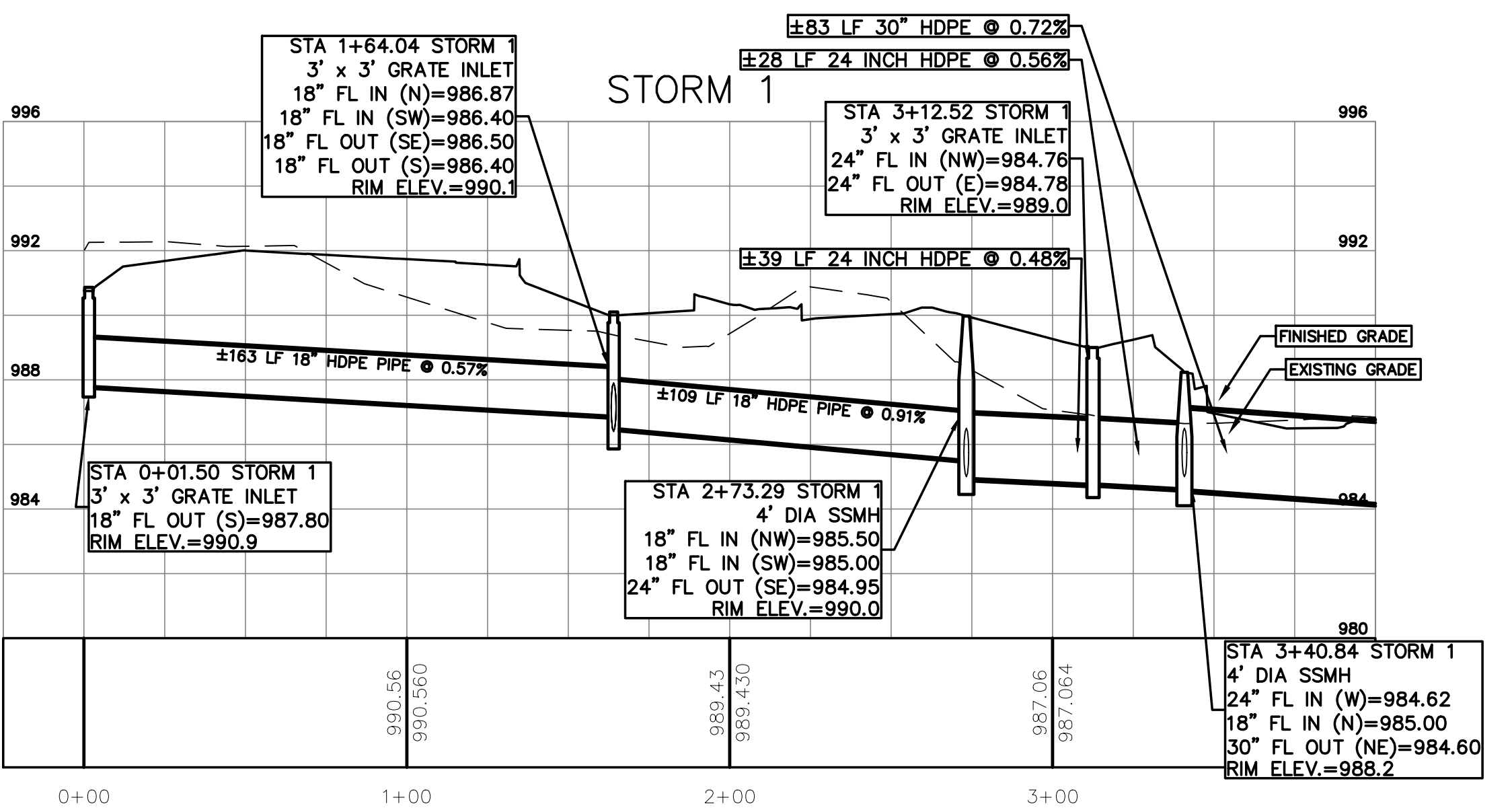
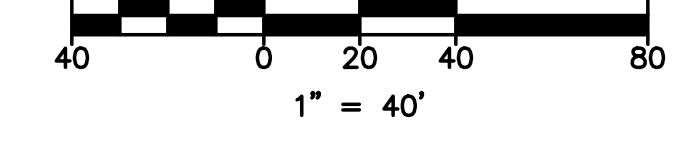
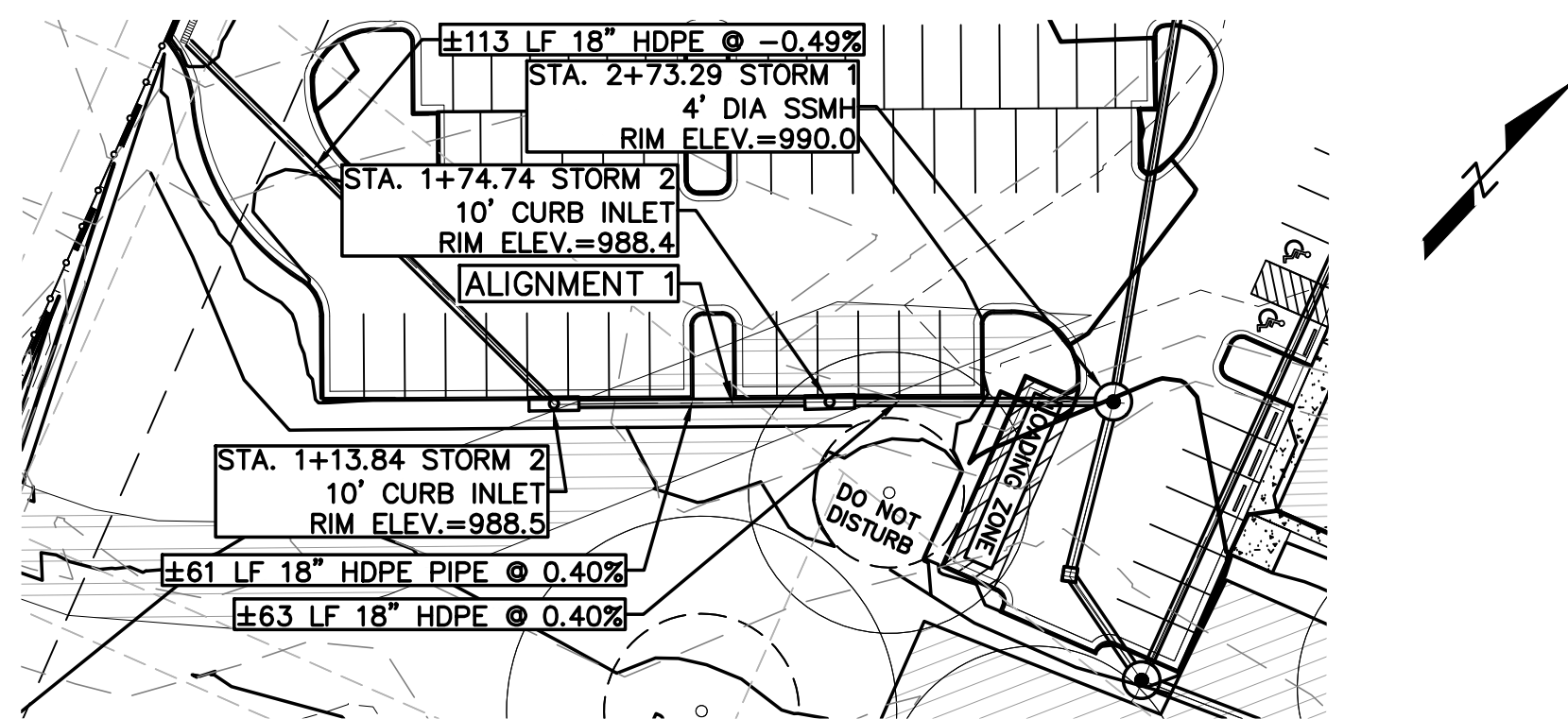
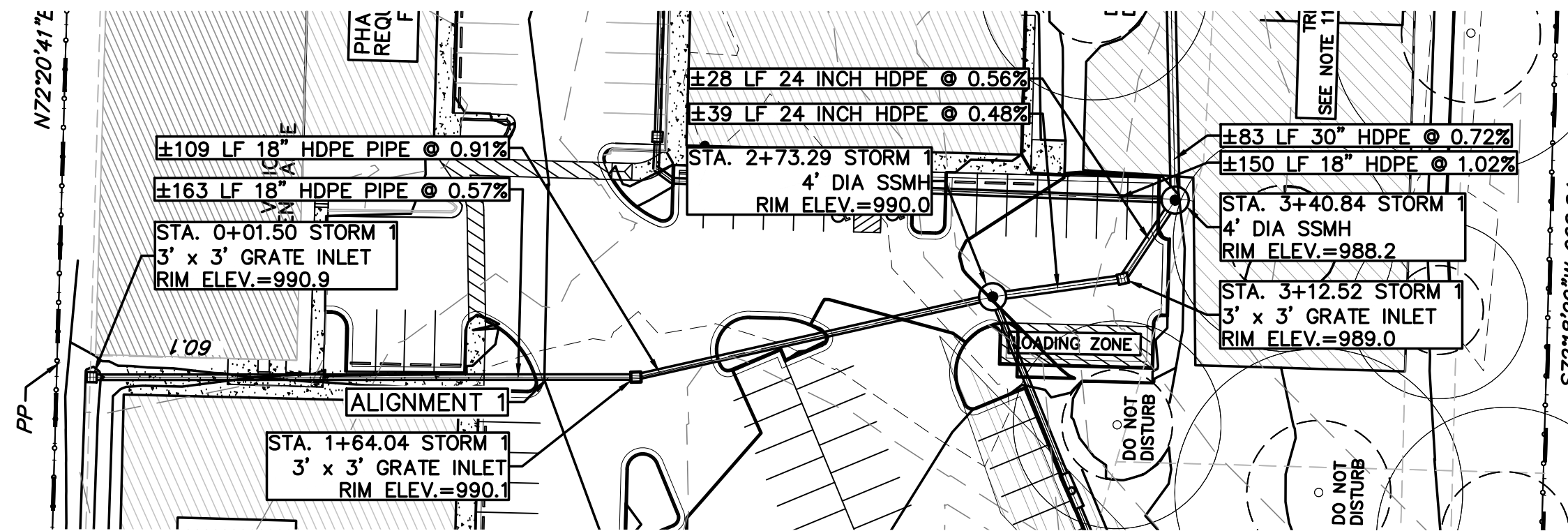
PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1:40
SHEET NUMBER:	

14 of 27

PERMIT NO: TBD

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DRAWING PATH - G:\MY DRIVE\AES ENGINEERING\10-1024 MINYARD\CAD\PROPOSED DRAINAGE PLAN.DWG



PROJECT:

MINYARD PLUMBING

LOCATION:

1800 N. BELL BLVD.
CEDAR PARK, TX 78613

project team

OWNER:

RICHARD MINYARD
P.O. BOX 1149
CEDAR PARK, TX 78613

CIVIL ENGINEER:

AES Engineering Consultant
Ahmed El Sewify P.E.
2514 PRESERVE TRAIL,
CEDAR PARK, TX 78613
Ph. (512) 785-9034
email: contact@aes-engs.com
Texas Firm F-22721

ARCHITECT:

STUDIO RM ARCHITECTURE
651 N HWY. 183, LEANDER, TX 78641
INFO@THESTUDIORM.COM
512.423.8147

Boundary Survey:

CRICHTON & ASSOCIATES
6448 US-290 #105
AUSTIN, TX 78753

GEOTECHNICAL ENGINEER

ARIAS
13581 POND SRPINGS RD, SUITE 210
AUSTIN, TEXAS 78729
737-220-0114

Know what's below.
Call before you dig.

November 23, 2023

Ahmed El Sewify

REVISION

DATE

ISSUE TITLE

DRAWING TITLE:

STORM PROFILE

PROJECT NO:

10-1024

DATE:

2023-11-23

SHEET NUMBER:

15 of 27

DRAWN & CHECKED BY:

MRL AES

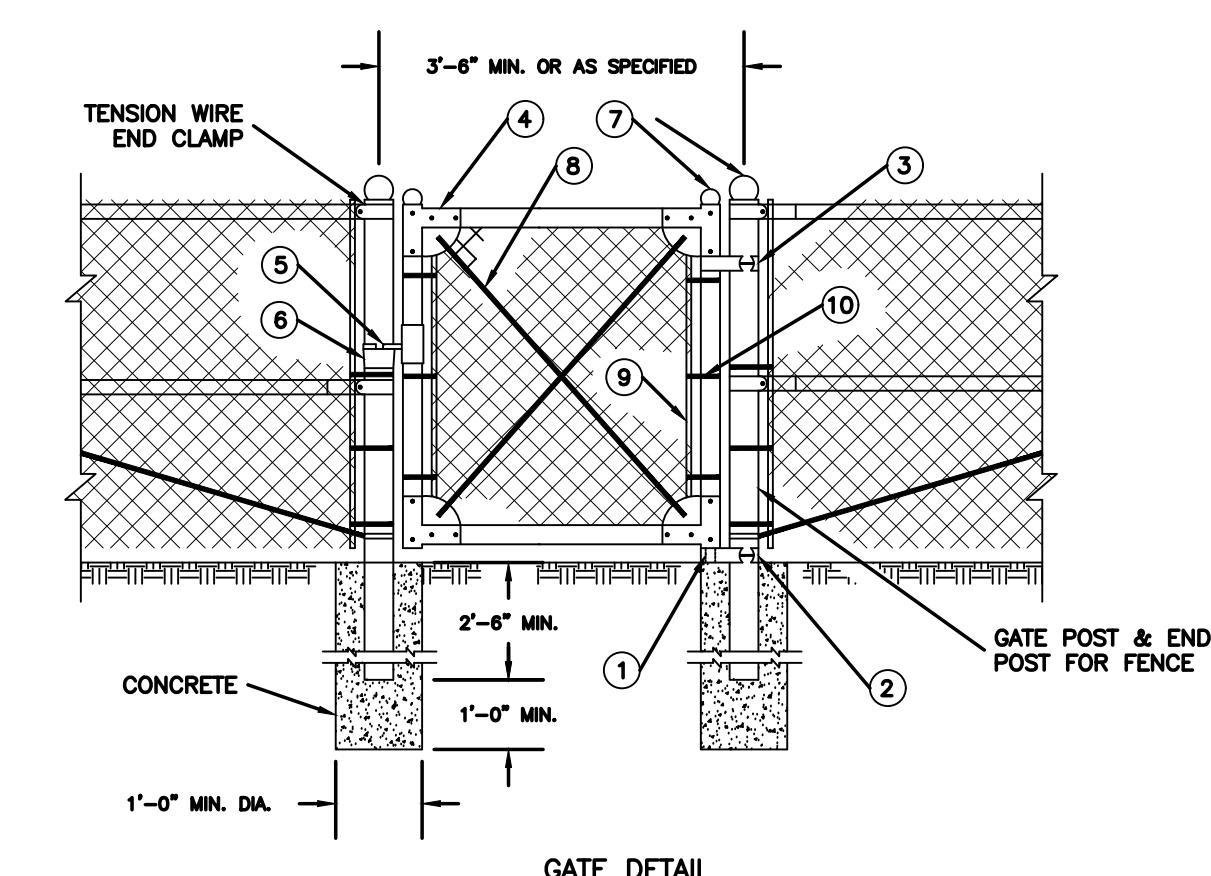
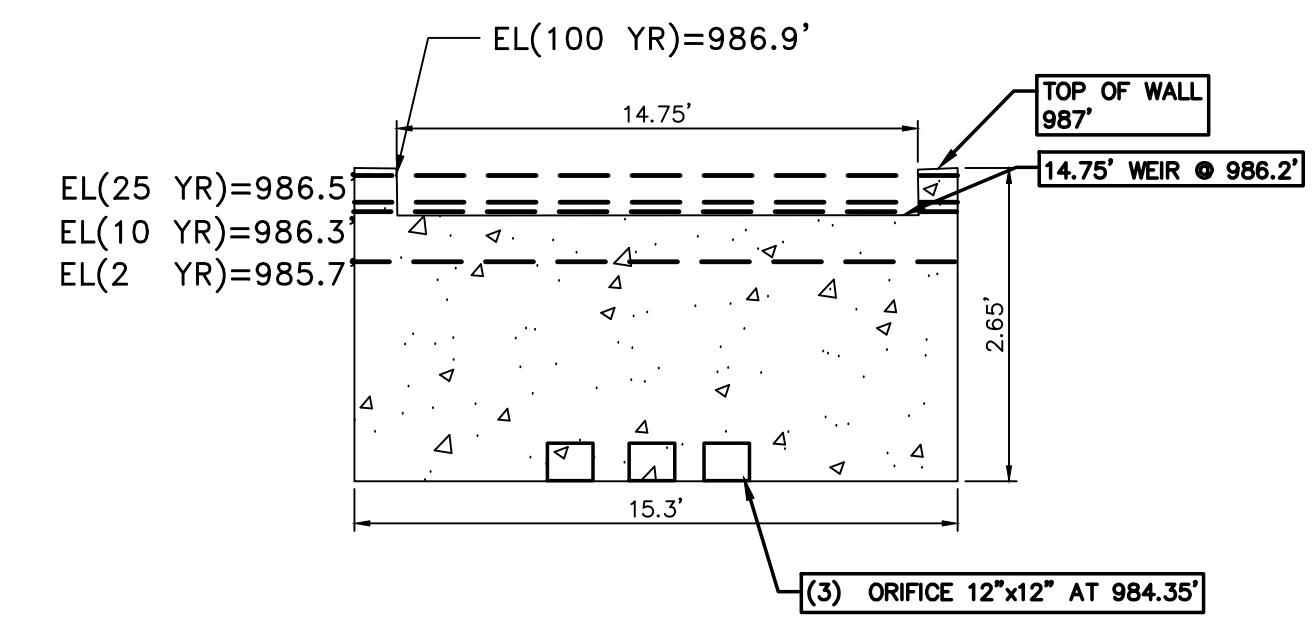
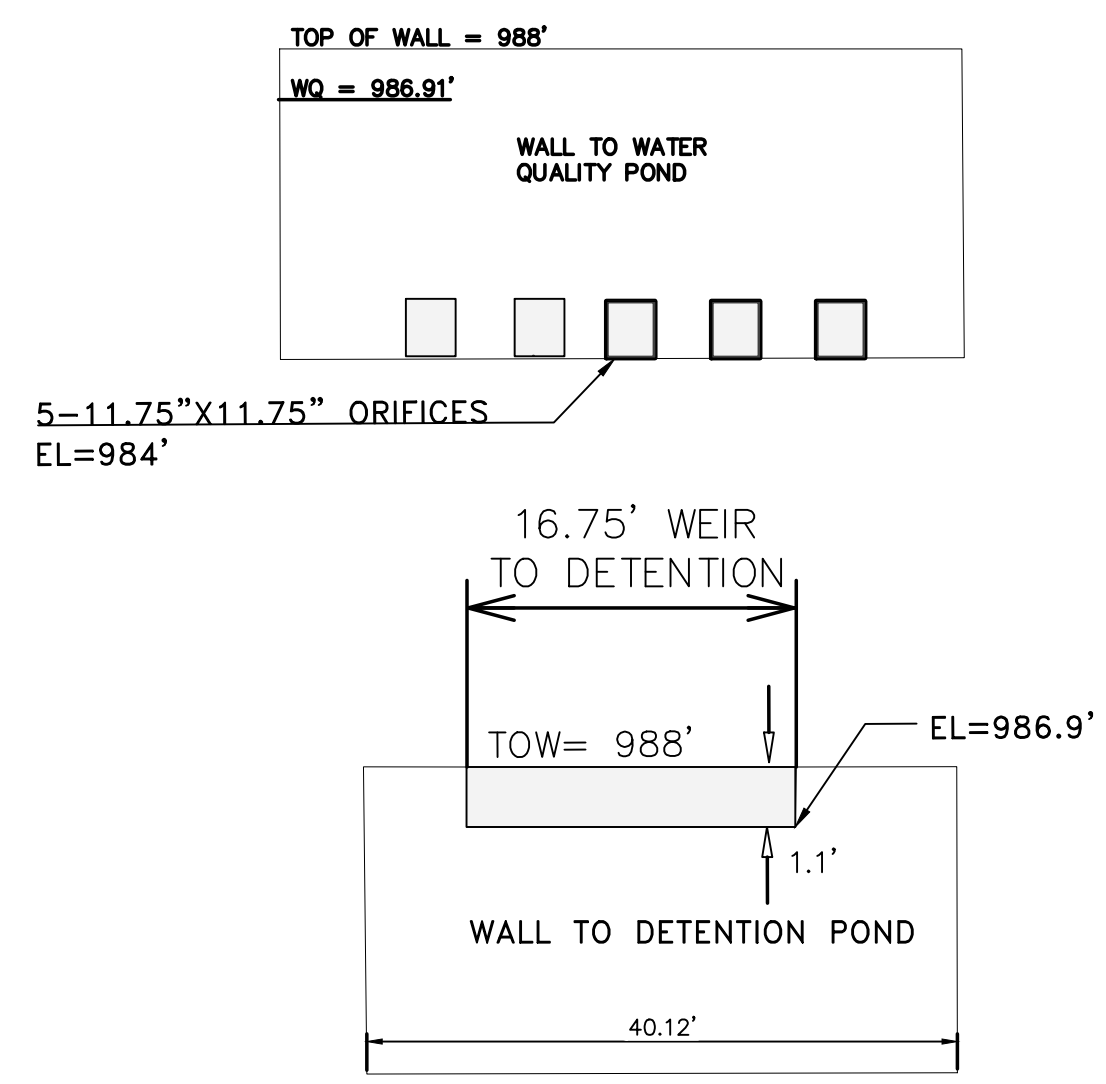
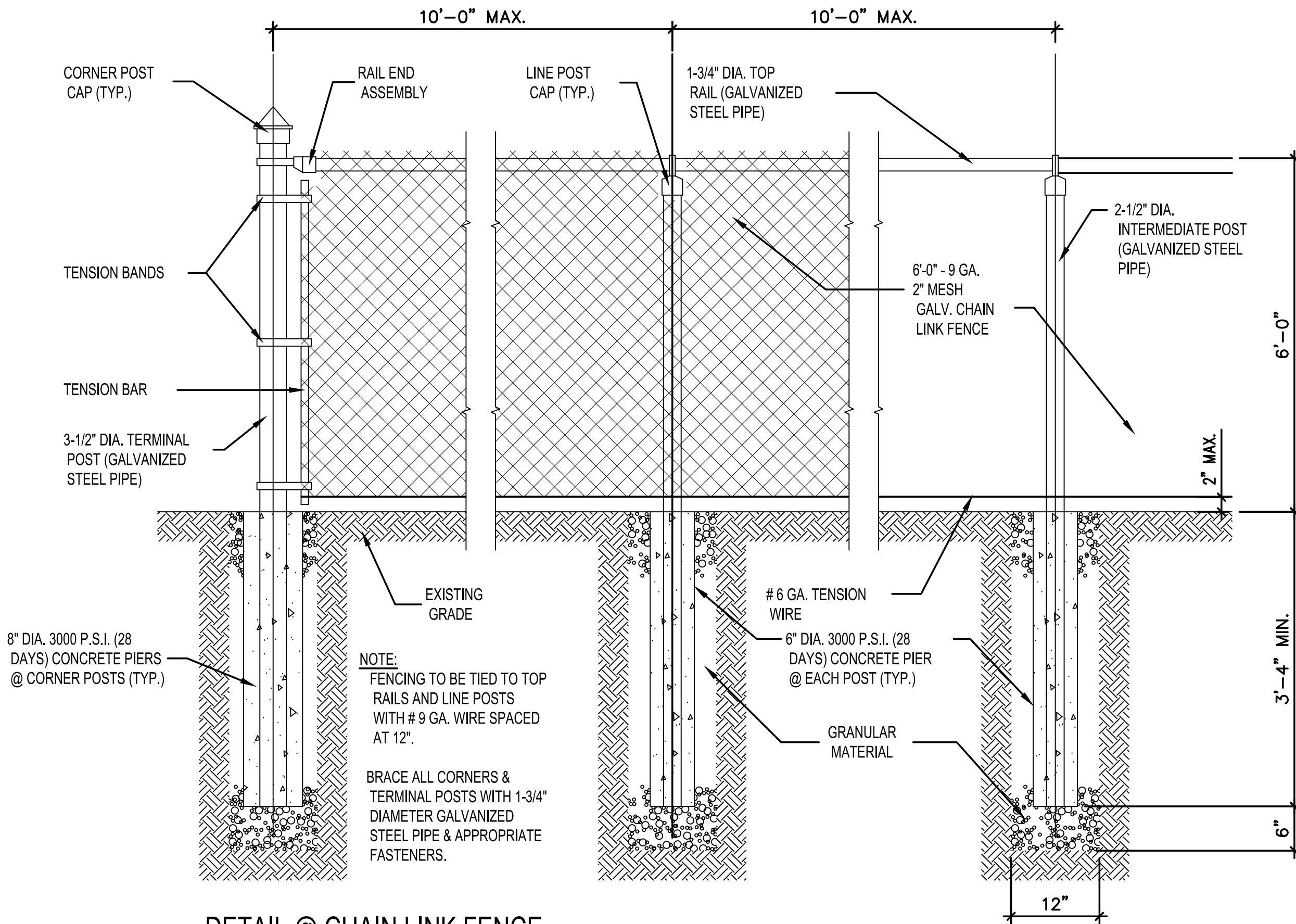
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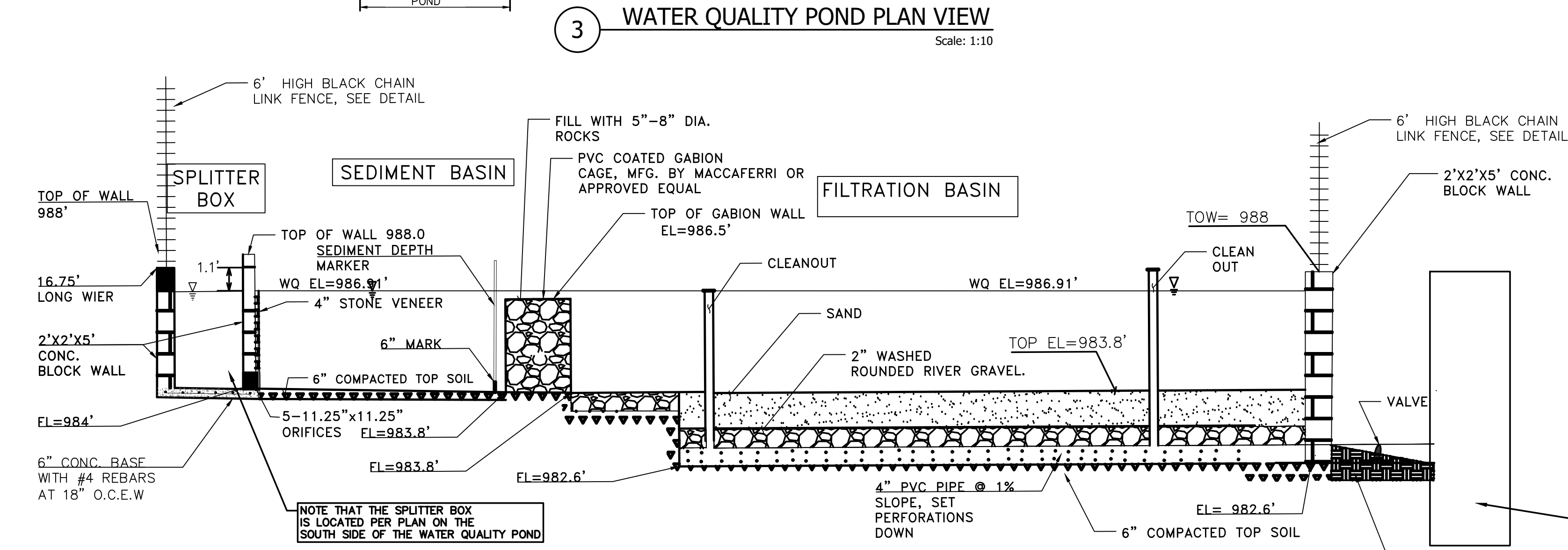
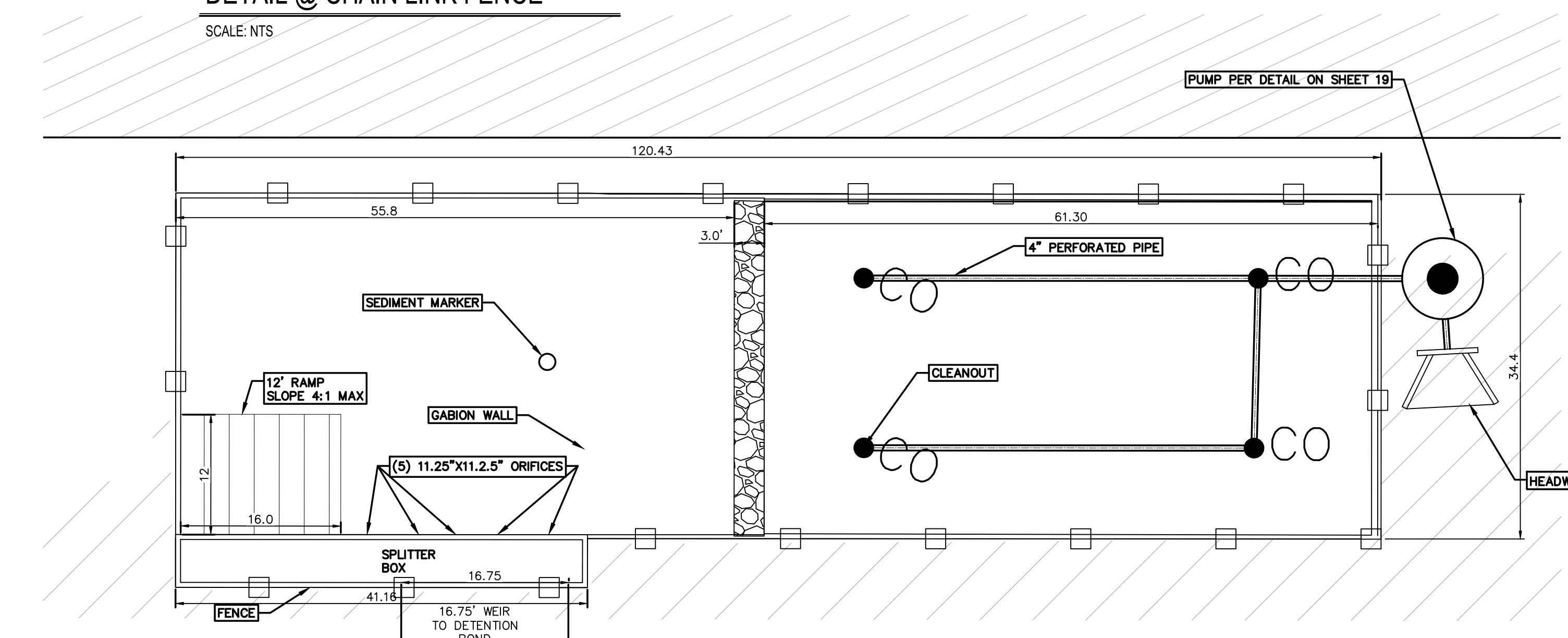
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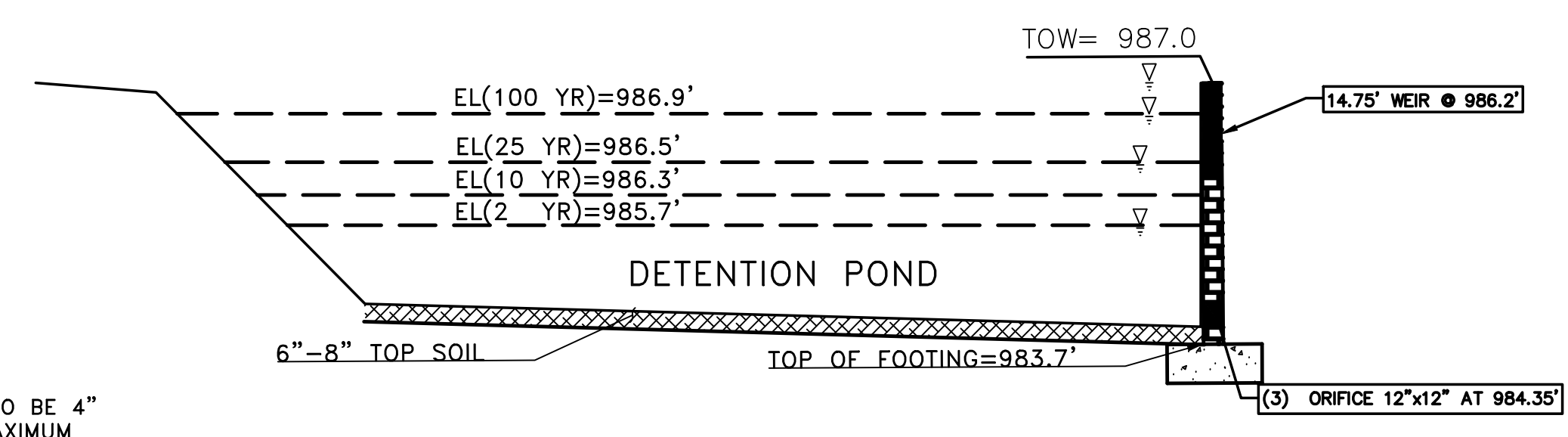


LEGEND		
PART NO.	DESCRIPTION	QUANTITY
1	STRAIGHT PLUG	1
2	BOTTOM HINGE	1
3	TOP HINGE	1
4	CORNER ELBOW	4
5	LATCH FORK	1
6	FORK CATCH	1
7	ORNAMENTAL TOPS	4
8	TRUSS RODS	2
9	STRETCHER BAR	2
10	HOOK BOLTS	6

NOTE:
THE FENCING SHALL BE #9 GAGE FENCE
FABRIC, STANDARD 2-INCH CHAIN LINK
DIAMOND MESH.



NOTE: ALL PIPING IS TO BE 4\"/>
SCHEDULE 40 PVC. MAXIMUM
SPACING BETWEEN ROWS OF
PERFORATIONS SHOULD NOT EXCEED
SIX (6) INCHES.
SAND:
GRAIN SIZE .02-.04\"/>
UNIFORM MIX, FREE OF STONES,
STUMPS, ROOTS, OR OTHER SIMILAR
OBJECTS LARGER THAN 2\"/>
SOIL MIX:
30-40% SAND
60-70% TOPSOIL
SOIL MIX<5% CLAY, NO COMMERCIAL
FERTILIZER, MANURE OR SANDY LOAM.



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737-220-0114

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November 23, 2023

Ahmed El Sewify

REVISION	DATE	ISSUE TITLE

DRAWING TITLE:

WATER QUALITY-1

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1"=40'
SHEET NUMBER:	

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PERMIT NO: TBD

11/23/2023 6:32:07 PM

G:\My Drive\AES ENGINEERING\10-1024 Minyard\cad\WATER QUALITY DETAILS.dwg

1- INSTALL COMMON BERMUDA SOD FOR THE ENTIRE
DETENTION POND & DISTURBED AREA.

3- DETENTION BASIN FLOOR AFTER EXCAVATION IS SCARIFIED TO A DEPTH OF 2 TO 3 INCHES TO IMPROVE INFILTRATION.

3- DETENTION BASIN FLOOR AFTER EXCAVATION IS SCARIFIED TO A DEPTH OF 2 TO 3 INCHES TO IMPROVE INFILTRATION.

4- 6 TO 8 INCHES OF TOPSOIL MUST BE ADDED TO DETENTION BASIN FLOOR WITH A MIXTURE OF 30% TO 40% SAND 60% TO 70% TOPSOIL AND SUGGEST 5%-10% COMPOST OR PEAT SOIL BLEND MUST HAVE CLAY CONTENT OF LESS THAN 20% AND BE FREE OF STONES, STUMPS, ROOTS OR OTHER SIMILAR OBJECTS LARGER THAN 1 INCH. SANDY LOAM OR CALICHE IS NOT AN ACCEPTABLE SOIL.

5- THE RISER (STANDARD DRAWDOWN) SHOULD BE DOUBLE-WRAPPED WITH FILTER FABRIC UNTIL THE CONTRIBUTING DRAINAGE AREA IS VEGETATED AND STABILIZED.

TOTAL SITE AREA=6.36 AC
DRAINAGE AREA TO CONTROL=6.36 AC
PROPOSED IMPERVIOUS COVER=3.73 AC
PERVIOUS COVER=2.63 AC
% IMPERVIOUS COVER=1.96/3.38=58.65%

TOTAL AREA DRAINING TO THE POND=6.36 AC
DESIGN PEAK FLOW RATE=45.42 CFS(25 YRS FLOW)
DESIGN PEAK FLOW RATE=62.14 CFS(100 YRS FLOW)

	REQUIRED	PROVIDED
WATER QUALITY VOLUME	10,311 CF	—
CAPTURED VOLUME (REQUIRED WQ VOLUME X1.20)	12,509 CF	12,866.4 CF
SEDIMENT POND AREA (MIN/MAX)	258/4124 SF	2,000 SF
SEDIMENTATION POND VOLUME (Min. 20% WQV)	2,501.8 CF	6,400 CF
MINIMUM FILTRATION POND AREA	1,031 SF	2,027 SF
FILTRATION POND VOLUME	3,299.2 CF	6,486.4 CF
WATER QUALITY ELEVATION= 986.91' FEET		
HEAD REQUIRED TO PUSH 100 YR FLOW= 1.1 FEET		

WATER QUALITY FILTRATION POND				
ELEVATION	*** STAGE/ Δ (FT.)	AREA (SF)	Σ STORAGE (CU. FT.)	Σ STORAGE (AC. FT.)
983.8'	0 / 0'	2000	0	0
984.0'	1 / 0.2'	2000	400	0.009183
985.0'	1 / 1'	2000	2400	0.055096
986.0'	2 / 2'	2000	4400	0.10101
987.0'	3 / 3'	2000	6400	0.146924

*** STAGE / INCREMENTAL ELEVATION DIFFERENCE.

RAIN EVENT	ELEV (FT)
2 YR	985.7'
10 YR	986.3'
25 YR	986.5'
100 YR	986.9'

$$Q = C \cdot L \cdot (H)^{3/2}$$
$$Q_{100} = 62.14 \text{ CFS}$$
$$C = 3.32$$
$$L = 16.75'$$
$$H^{3/2} = Q / C \cdot L$$
$$= 62.14 / 3.32 \times 10$$
$$H = 1.1'$$
$$Q = C_d A \sqrt{2gh}$$

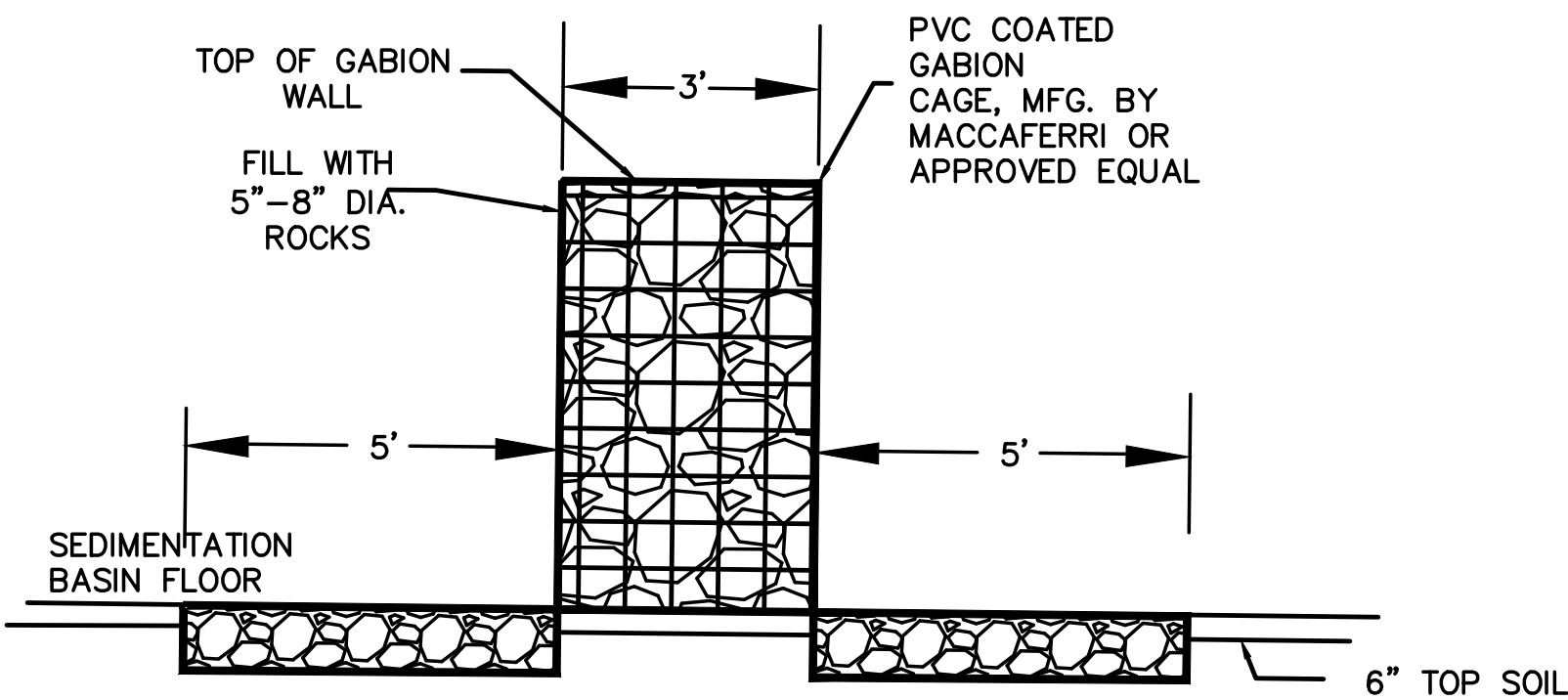
$$Q_{25} = 45.42 \text{ CFS}$$

$$K = 0.62$$

$$A = Q_{25} / C_d \sqrt{2gh}$$

$$A = 45.42 / 0.62 \sqrt{2 \times 32.2 \times 3} = 2.53 \text{ SF}$$

USE 5- 11.25"X11.25" ORIFICES



ROCK GABION DETAIL

Diagram illustrating the components and dimensions of a marker post assembly:

- 18" TYPICAL**: Dimension for the top section (Black Letters).
- 18" TYPICAL**: Dimension for the middle section (2" Wide White Post).
- 18" TYPICAL**: Dimension for the bottom section (Pop-Riveted Anchor for Loose Soil Condition).
- 6"**: Dimension for the base of the anchor.
- BLACK LETTERS**: Label for the top section.
- 2" WIDE WHITE POST**: Label for the middle section.
- POP-RIVETED ANCHOR FOR LOOSE SOIL CONDITION**: Label for the bottom section.

NOTE:
 MARKER SHALL BE CARSONITE UTILITY MARKER CUM-375.
 THE MARKER SHALL BE INSTALLED WITH MARKER DRIVER D-400 AS RECOMMENDED BY THE MANUFACTURER OR AS APPROVED EQUAL.

SEDIMENT DEPTH MARKER

The diagram illustrates two cross-sections of a drainage ditch installation, showing the relationship between the ditch, the drainage matting, and the surrounding layers.

Left Section (Ditch):

- SAND BED (Top of Bed to be Horizontal):** The top layer above the ditch.
- GEOTEXTILE FABRIC:** The layer below the sand bed.
- DRAINAGE MATTING:** The layer below the geotextile fabric.
- PERFORATED 4" PVC PIPE:** The pipe installed in the ditch.
- MIN. 2" GRAVEL LAYER:** The layer below the pipe.
- SET PERFORATIONS DOWN:** The perforations in the pipe.
- IMPERMEABLE LINER:** The bottom layer of the ditch.
- MAX. SLOPE 4:1:** The maximum slope of the ditch walls.
- 12" MIN.:** The minimum depth of the ditch.
- 10' O.C. AND < 5' FROM EDGES:** The spacing between the ditches.

Right Section (Ditch):

- SAND BED (Top of Bed to be Horizontal):** The top layer above the ditch.
- GEOTEXTILE FABRIC:** The layer below the sand bed.
- DRAINAGE MATTING:** The layer below the geotextile fabric.
- PERFORATED 4" PVC PIPE:** The pipe installed in the ditch.
- MIN. 2" GRAVEL LAYER:** The layer below the pipe.
- SET PERFORATIONS DOWN:** The perforations in the pipe.
- IMPERMEABLE LINER:** The bottom layer of the ditch.
- MAX. SLOPE 4:1:** The maximum slope of the ditch walls.
- 12" MIN.:** The minimum depth of the ditch.
- 18" MIN.:** The minimum depth of the drainage matting layer.
- 10' O.C. AND < 5' FROM EDGES:** The spacing between the ditches.

THE TOP LAYER SHALL BE 12-18 INCHES OF WASHED CONCRETE SAND (ASTM C33 FINE AGGREGATE). LATERALS SHALL BE PLACED IN TRENCHES WITH A COVERING OF 1/2 TO TWO (2) INCH GRAVEL AND GEOTEXTILE FABRIC. THE LATERALS SHALL BE UNDERLAIN BY A LAYER OF DRAINAGE MATTING. THE DRAINAGE MATTING IS NEEDED TO PREVENT THE FILTER MEDIA FROM INFILTRATING INTO THE LATERAL PIPING. THE DRAINAGE MATTING IS NEEDED TO PROVIDE FOR ADEQUATE VERTICAL AND HORIZONTAL HYDRAULIC CONDUCTIVITY TO THE LATERALS.

Texas Commission on Environmental Quality			
TSS Removal Calculations 04-20-2009		Project Name: Minyard	
		Date Prepared: 11/21/2023	
1. The Required Load Reduction for the total project:		Calculations from RG-348	
Site Data: Determine Required Load Removal Based on the Entire Project			
County =	Williamson		
Total project area included in plan *	6.36	acres	
Predevelopment impervious area within the limits of the plan *	1.97	acres	
Total post-development impervious area within the limits of the plan *	3.73	acres	
Total post-development impervious cover fraction *	0.59		
P =	32	inches	
L _M TOTAL PROJECT =		1538	lbs.
* The values entered in these fields should be for the total project area.			
Number of drainage basins / outfalls areas leaving the plan area =		1	
2. Drainage Basin Parameters (This information should be provided for each basin):			
Drainage Basin/Outfall Area No. =		1	
Total drainage basin/outfall area =		6.36	acres
Predevelopment impervious area within drainage basin/outfall area =		1.97	acres
Post-development impervious area within drainage basin/outfall area =		4.92	acres
Post-development impervious fraction within drainage basin/outfall area =		0.77	
L _M THIS BASIN =		2572	lbs.
3. Indicate the proposed BMP Code for this basin.			
Proposed BMP =		Sand Filter	
Removal efficiency =		89	percent
4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.			
A _C =		6.36	acres
A _I =		1.97	acres
A _P =		4.40	acres
L _R =		2004	lbs
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area			
Desired L _M THIS BASIN =		1800	lbs.
F =		0.90	
6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.		Calculations from RG-348	
Rainfall Depth =		1.70	inches
Post Development Runoff Coefficient =		0.26	
On-site Water Quality Volume =		10311	cubic feet
		Calculations from RG-348	Pages 3-36 to 3-37
Off-site area draining to BMP =		0.92	acres
Off-site Impervious cover draining to BMP =		0.00	acres
Impervious fraction of off-site area =		0.00	
Off-site Runoff Coefficient =		0.02	
Off-site Water Quality Volume =		113	cubic feet
Storage for Sediment =		2085	
Total Capture Volume (required water quality volume(s) x 1.20) =		12509	cubic feet
9. Filter area for Sand Filters		Designed as Required in RG-348	
9A. Full Sedimentation and Filtration System			
Water Quality Volume for sedimentation basin =		12509	cubic feet
Minimum filter basin area =		573	square feet
Maximum sedimentation basin area =		5155	square feet
Minimum sedimentation basin area =		1289	square feet
9B. Partial Sedimentation and Filtration System			
Water Quality Volume for combined basins =		12509	cubic feet
Minimum filter basin area =		1031	square feet
Maximum sedimentation basin area =		4124	square feet
Minimum sedimentation basin area =		258	square feet

MINYARD PLUMBING

1800 N. BELL BLVD.
CEDAR PARK, TX 78613



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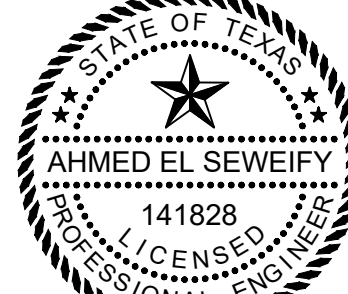
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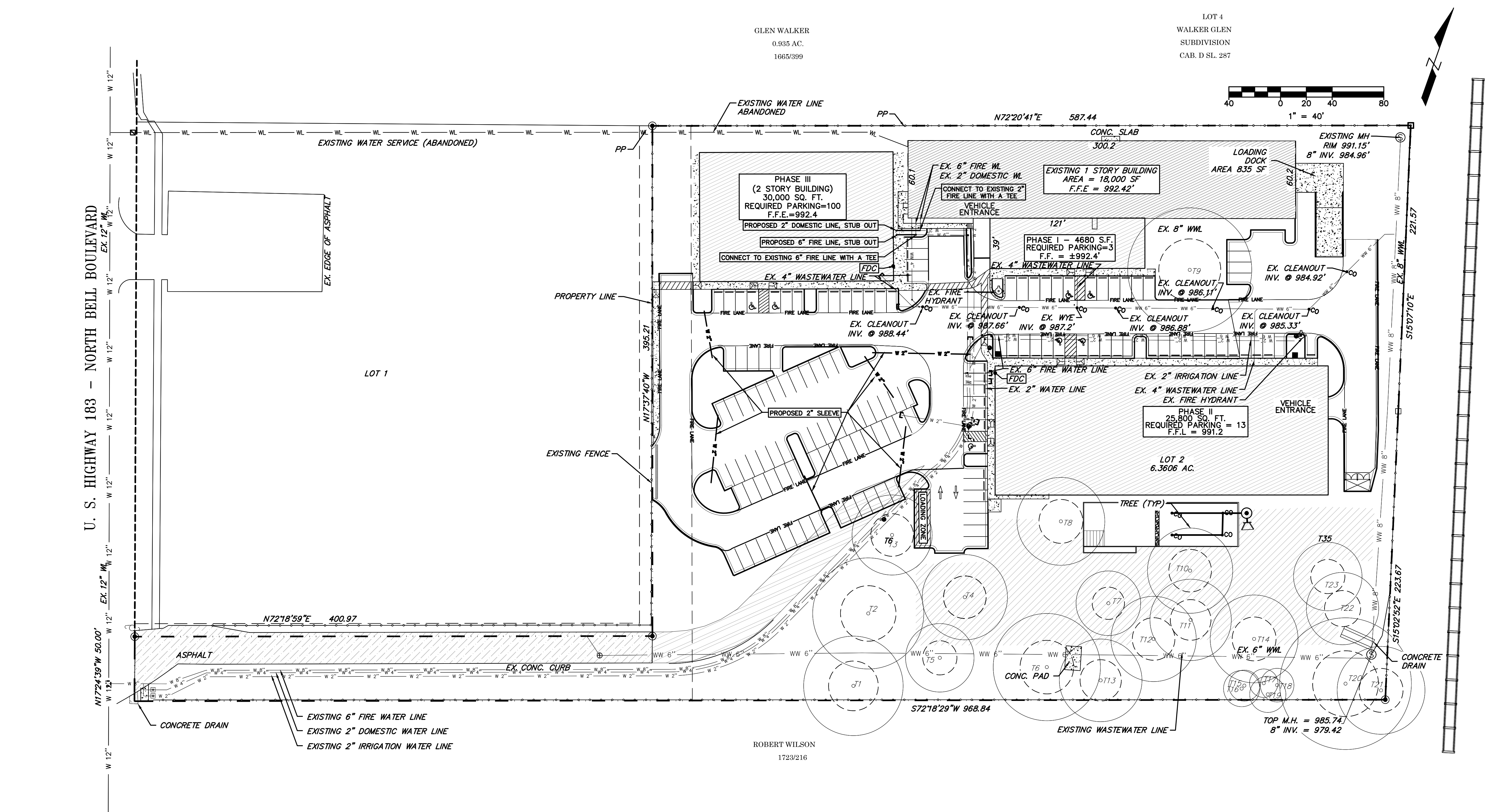

 DATE _____ ISSUE TITLE _____

REVISION	DATE	ISSUE TITLE

WATER QUALITY -2

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1"=40'
SHEET NUMBER:	

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NOTE:
1. ALL EXISTING UTILITIES SHOWN ON THIS PLAN SET HAS BEEN INSTALLED PER PREVIOUS APPROVED PLANS UNDER PERMIT NUMBER SD-07-00044, DATED MARCH 26, 2008.
2. CONTRACTOR TO VERIFY EXACT LOCATION AND NOTIFY ENGINEER IF ANY DISCREPANCIES.
3. CONTRACTOR REFER TO MEP DRAWINGS FOR CONTINUITY.

SPECIAL EASEMENT NOTE:
*** INDICATES A UTILITY OR PASSAGE EASEMENT PER PLAT AMENDMENT.

SPECIAL NOTE:
1. ANY WORK COMMENCED PRIOR TO THE ISSUANCE OF CITY BUILDING PERMIT WITH PUBLIC WORKS APPROVALS WILL BE AT THE SOLE RISK OF THE CONTRACTOR.
2. THIS SHEET HAS BEEN REVISED. PREVIOUSLY ISSUED SHEETS IS NO LONGER VALID AND MUST BE DESTROYED OR RETURNED TO THE ENGINEER.

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE / (R.O.W.) LINE
		RECORD INFORMATION
		LIGHT POLE
		GROUND LIGHT
		POWER POLE
		DOWN GUY
		TELEPHONE MANHOLE
		WATER MANHOLE
		WATER METER
		SPRINKLER CONTROL BOX
		TRANSFORMER (SIZE VARIES)
		FIRE HYDRANT
		WATER VALVE
		WATER METER VAULT (SIZE VARIES)
		ELECTRIC BOX
		ELECTRIC METER
		GAS METER
		GAS VALVE
		OVERHEAD ELECTRIC
		WASTEWATER MANHOLE (SIZE VARIES)
		STORMSEWER MANHOLE (SIZE VARIES)
		TELEPHONE MANHOLE (SIZE VARIES)
		WASTEWATER CLEANOUT
		CHAIN LINK FENCE
		CURB & GUTTER
		EDGE OF PAVEMENT
		FIRE LANE DESIGNATION
		HANDICAP ACCESS ROUTE
		CONCRETE SIDEWALKS
		SIGN WHEELSTOP
		FINISH FLOOR ELEVATION
		HANDICAP SPACE
		BIKE PARKING
		BARRICADE

WASTEWATER NOTES:

1. ALL WASTEWATER LINES SHALL B E SDR-26 PVC.
2. A TRENCH SAFETY PLAN MUST BE SUBMITTED TO THE ENGINEER AND THE CITY CEDAR PARK PRIOR TO BEGINNING TRENCHING ACTIVITIES.
3. ALL PIPES FITTINGS SHALL BE JOINT RESTRAINED.
4. ALL FITTING SHALL HAVE TRUST BLOCKING.
5. ALL VALVE CAPS AND MANHOLES OUTSIDE OF PAVEMENT SHALL BE RAISED AND INDICATED WITH A LOCATED SIGN.
6. EXISTING WATER MAIN SHALL BE TESTED WITH A PRESSURE TEST AND TWO BACTERIAL TESTS. ALL TEST SHALL PASS FOR EXISTING LINE TO REMAIN. IF EITHER TEST FAILS, NEW WATERLINE SHALL BE INSTALLED.
7. ALL FIRE HYDRANTS SHALL MAINTAIN A MINIMUM 3' CLEAR AROUND THE CIRCUMFERENCE AT ALL TIME.
8. CONTRACTOR TO PROVIDE PUBLIC ACCESS TO LOCAL BUSINESS AT ALL TIMES. COORDINATE CONSTRUCTION w/ BUSINESS OWNER 48 HOUR PRIOR TO BEGIN WORK.
9. ANY DAMAGE TO EXISTING SIDEWALK SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN COST, SEE SIDEWALK DETAILS. ALL DISTURBED AREAS SHALL BE RE-VEGETATED AND MAINTAINED BY THE CONTRACTOR TO ENSURE HEALTH GROWTH DURING CONSTRUCTION PERIOD.

WATER NOTES:

1. ALL DOMESTIC WATER LINES SHALL BE SCH-40 PVC.
2. A TRENCH SAFETY PLAN MUST BE SUBMITTED TO THE ENGINEER AND THE CITY OF CEDAR PARK TO BEGINNING TRENCHING ACTIVITIES.
3. ALL PIPES FITTINGS SHALL BE JOINT RESTRAINED.
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10. ALL MATERIALS, METHODS TESTING, AND STANDARDS SHALL COMPLY WITH THE LATEST VERSION OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS.
11. EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORD DRAWINGS AND SHOULD BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS, MATERIALS AND SIZES OF ALL EXISTING UTILITIES SHOWN.
12. CONTRACTOR SHALL NOTIFY ONE-CALL OR OTHER UTILITY LOCATION SERVICES AT LEAST 48 HOURS PRIOR COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL COORDINATE UTILITY CONNECTIONS WITH UTILITY SERVICE PROVIDERS PRIOR TO TAPPING EXISTING LINES. COORDINATE REMOVAL OF MAINS TEMPORARILY FROM SERVICE AS NECESSARY.
14. CONTRACTOR SHALL INSTALL MECHANICAL JOINT RESTRAINTS ON ALL JOINTS/FITTINGS AND THRUST BLOCKING ON ALL BENDS IN FIRE LINE.
15. ALL UNDERGROUND FIRE LINE PIPING MUST BE INSTALLED BY LICENSED SPRINKLER CONTRACTOR IN ACCORDANCE WITH NFPA 24.
16. CONTRACTOR IS RESPONSIBLE FOR PREPARING A TRENCH SAFETY PLAN PER CITY, STATE AND FEDERAL REQUIREMENTS. CITY OF AUSTIN SPECIFICATION ITEM 5095 WILL BE REQUIRED AS A MINIMUM TRENCH SAFETY MEASURE.

PROJECT:

MINYARD PLUMBING

LOCATION:

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CRICHTON & ASSOCIATES
6448 US-290 #105
AUSTIN, TX 78753

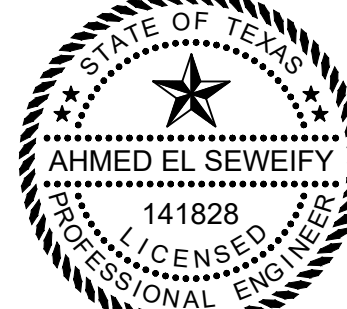
GEOTECHNICAL ENGINEER

ARIAS
13581 POND SRPINGS RD, SUITE 210
AUSTIN, TEXAS 78729
737-220-0114



Know what's below.
Call before you dig.

November 23, 2023



Ahmed El Seweify

REVISION	DATE	ISSUE TITLE

DRAWING TITLE:

UTILITY PLAN (WATER & WASTE WATER)

PROJECT NO: 10-1024	DRAWN & CHECKED BY: MRL AES
DATE: 2023-11-23	SCALE: 1:40
SHEET NUMBER:	

20 of 27

PERMIT NO: TBD

SAVED ON 11/23/2023 6:32:11 PM

DRAWING PATH: G:\MY DRIVE\AES ENGINEERING\10-1024 MINYARD\CAD\UTILITY PLAN (WATER AND WASTE WATER).DWG

Minyard Sons Services

Inspection, Maintenance, Repair and Retrofit Plan-Attachment N

During the first year of operation and after large storms, inspect sand filter system monthly to ensure proper operation and provide maintenance personnel with a feel for the operational characteristics of the filter (Sand bed, PVC pipes and clean outs). After the first year of operation, inspect after every significant rainfall event and as needed based on first years' experience.

Sediment Removal: Remove sediment from the inlet structure, sedimentation chamber and filtration chamber after each rainfall event.

Media Replacement: sand bed shall be cleaned once a year or when the drawdown time exceeds 48 hours. The geotextile wrapping around the PVC pipes should be inspected each time the sand bed is being replaced and should be repaired or replaced if damage or permanent clogging is observed. Debris and Litter Debris and litter will accumulate near the sedimentation basin outlet device and should be removed during regular clean-up operations and inspections. Particular attention should be paid to floating debris that can eventually clog the pipes and valve.

Filter Underdrain: Clean the underdrain piping network to remove any sediment buildup at least every two years, or as needed to maintain the design drawdown time.

Controls: Verify that all controls are functioning correctly at least once per month and after each rainfall event. Inspect any components that are inoperative, i.e.....gates, ladder, fence, pump and pump appurtenances. Should any operational problems be found, repairs or replacement should be completed immediately.

Security Fencing: Check and verify that the BMP facility site is secure at least once per month. Any site found to be insecure should be made secure immediately.

Responsible Party for Maintenance: Minyard Sons Services, Inc, 1800 N. Bell Blvd, Cedar Park

Contact name: Richard Minyard

Telephone Number: 512-721-6307

Signature of Responsible Party:

Date: 11/23/2023

Richard Minyard 11/27/2023

Project Engineer: Ahmed El Seweify, P.E.

Address: 2301 S. Bagdad Rd, Cedar Park, Texas 78613

Phone: 512-785-9034

Date: 11-23-2023

Minyard Sons Services

Measures for Minimizing Surface Stream Contamination-Attachment P

The measures that will be used to avoid or minimize surface stream contamination due to the changes in the way the water enters a stream as a result of the construction and development will be as outlined below:

I- During Construction

A) Erosion and Sedimentation:

Silt fences will be installed prior to construction at the downstream edge of disturbed areas where there will be shallow sheet flow. A stabilized construction entrance pad will be installed prior to construction to control tracking off site. Disturbed areas will be restored as soon as practicable during construction. Temporary erosion and sedimentation controls will be removed only after all disturbed areas have been restored.

B) Stabilization Practices:

Disturbed areas including spoils disposal sites where construction activity temporarily ceases for at least 21 days will be stabilized with seeding and mulching by the 14th day after the last disturbance. Seeding shall be as follows:

1. Grasses:

Unlulled Bermuda and Winter Rye from September 15 to March
Hulled Bermuda from March 2 to September 14.

2. Application:

Broadcast seeding or hydro mulch

3. Fertilization:

Fertilization shall have an analysis of 15-15-15 and shall be applied at the rate of 1.5 pounds per 1,000 square feet.

C) Other Pollutant Sources:

There will be no source of pollutants other than those generated by the construction of this project and the water quality/detention pond associated with the site.

D) Dissipation devices:

Rock riprap and rock berm shall be installed at the end of the outflow structure for pond.

II- After Construction

E) See Attachment N- Inspection, Maintenance and repair.

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.

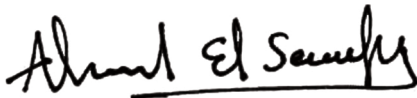
Signature

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: Ahmed El Seweify

Date: 11/23/2023

Signature of Customer/Agent:



Regulated Entity Name: AES Engineering Consultant

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: S. 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.

Minyard Sons Services
Spill Response Action Attachment A

Major Spills:

Only trained personnel should ever approach a spill. Containment, clean up, or neutralization of the hazardous material be accomplished by individuals or organizations familiar with or trained in such activities. The following steps should be considered general guidelines and may not apply for all circumstances.

1. Notify responsible site contact for spill management and control.
2. Survey the scene and assess extent of spill, determine the existence or possibility of runoff, determine if any dead animals are near, evaluate the distressed nature of surrounding vegetation. Evaluate any markings on containers. Assess the physical characteristics of the material (color, solid, liquid, powder, or granules).
3. Restrict access to the spill site. Keep the public away from the hazard. Provide traffic control, as needed.
4. Notify supervisor by radio or telephone.
5. Supervisor should notify local fire department, Department of Public Safety, and district hazardous materials coordinator. Supervisor should ensure that field personnel only conduct traffic control from a safe distance from the spill.
6. Determine if a reportable discharge or spill has occurred and if so, the district hazardous materials coordinator should ensure TCEQ has been notified of the spill or release as soon as possible but not later than 24 hours after the discovery of the spill or discharge. Provide the following information, if possible:
 - the name, address, and phone number of the person making the report.
 - the date, time, and location of the spill or discharge.
 - a specific description of the hazardous substance discharged or spilled o an estimate of the quantity discharged or spilled.
 - the duration of the incident.
 - the name of the surface water affected or threatened by the discharge or spill.
 - the source of the discharge or spill.
 - a description of the extent of actual or potential harmful impact to the environment and an identification of any environmentally sensitive areas or natural resources at risk.
 - the names, addresses, and telephone numbers of the responsible person and the contact person at the location of the discharge or spill.
 - a description of any actions that have been taken, are being taken, and will be taken to contain and respond to the discharge or spill any known or anticipated health risks
 - the identity of any governmental representatives, including local authorities or third parties, responding to the discharge or spill
 - any other information that may be significant to the response action.

In addition to the good housekeeping and material management practices discussed above, the following practices will be followed for spill prevention and cleanup:

- Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and material will include, but not be limited to, brooms, dustpans, mops, rags, gloves, goggles, sand, sawdust, and plastic and metal trash containers specifically for this purpose.

Minor Spills:

The responsible site contact person shall designate an area as spill storage location prepared with sand and containment device such as silt fence to store spilled material and removal to a facility for further handling. Minor spills are defined as minor equipment leakage of oil and gasoline.

Minyard Sons Services**Potential Source of Contamination-Attachment B**

Pollutant-Generating Activity	Pollutants or Pollutant Constituents (that could be discharged if exposed to stormwater)	Location on Site
Grading, Excavation	Oil, Gasoline, grease, hydraulic fluid, rock, gravel, sand and soil	Entire site
Pavement	Concrete & Conc. Product, reinforcement bars	Entire site
Building	Stucco, paint	At Building
Landscaping	Fertilizer, pesticide	All landscape areas
Utility Work	PVC pipe	Site, Front building

Minyard Sons Services**Sequence of Major Activities- Attachment C**

Order of work shall be as follows:

- 1- Installation of the exterior silt fence along property line downstream of site.
- 2- Installation of interior erosion control measures such as: sediment trap, concrete wash out area, storage and staging areas as shown on plan (Erosion Control Sheet).
- 3- Construct underground utilities.
- 4- Construct foundation and buildings.
- 5- Construct concrete pavement and striping.
- 6- Install landscaping
- 7- Construct permanent water quality pond.

Minyard Sons Services
Temporary BMP and Measures-Attachment D

These TBMP's shall be considered and followed:

Temporary silt fence, spoils area, construction entrance is installed and designated to protect natural streams, sensitive features, surface and ground water. These protection measures will be installed prior to start of any construction and shall be inspected after each rain and every week, any damaged areas shall be repaired or replaced if necessary. Remove siltation as required when siltation reaches ½ of its design depth or one foot. Inspect after each rain or every week.

When necessary, wheels must be cleaned to remove sediment prior to entrance onto public right of way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment basin/trap. All sediment shall be prevented from entering any storm drain, ditch or watercourse using approved method.

A sediment trap will be constructed and inspected after each rainfall or every six (6) months.

Designate a spoil area (shown on plan) for handling waste, inspect and secure the silt fence to prevent pollution spills. This area will be graded toward the sediment trap for maximum pollution and sedimentation prevention.

Contractor's staging area and construction material is designated on plans. This area is enclosed with silt fence and inspected regularly. This area will be graded toward the sediment trap for maximum pollution and sedimentation prevention.

Designated washout area will also be enclosed with silt fence. This area will be graded toward the sediment trap for maximum pollution and sedimentation prevention.

Important factor in this area is to transport contaminated soil due to fuel and oil to spoil area frequently and as required by the city/TCEQ. This area is designated on plan and enclosed with silt fence.

All equipment will be washed in the designated area as shown on plan.

Silt fences will be inspected and properly maintained as required.

Gravel, stone, reinforcement bars for concrete foundation and retaining wall, sand, rock, construction equipment and/or any mechanical equipment will be stored on site.

A silt fence area adjacent to material storage area is set up for washout area where concrete mix trucks, will be washed and handled.

All equipment/vehicle fueling and discharge are handled within this area. In event of spills, contractor shall have sand and/or hay available on site to apply to the contaminated areas in order to contain and clean up possible spills. Contaminated sand shall be transported to the spoil area and disposed of off-site to a disposal site by the contractor.

Measures taken to prevent pollution: A construction exit/entrance will be installed to reduce tracking dirt on the pavement after exiting the construction area. Silt fences at critical locations are installed to reduce run-off velocity and retain sediments. All drainage inlets or culverts affected by this project's site activities shall be covered with silt fence, hay bale or rock berm.

- a. Sensitive feature(s): During excavation or construction the Contractor shall stop work at the location where the sensitive feature is discovered and notify TCEQ and the Engineer preparing this report, for further inspection and evaluation to apply an appropriate BMP measure.

Minyard Sons Services
Request to Seal a Feature-Attachment E

If required per Attachment D, a Request will be filed.

Minyard Sons Services**Structural Practices- Attachment F**

Silt Fence will be installed as shown on the plan, silt fence will be regularly checked and maintained per attachment D.

Minyard Sons Services

Inspection and maintenance for BMP's- Attachment I

I) Maintenance Procedures

The Contractor will be responsible for ensuring the maintenance of the erosion and sedimentation controls. Repairs will be made to damaged areas as soon as practicable after damage is discovered, but no later than seven (7) days after the inspection. Built-up sediment will be removed when the depth reached six inches.

Temporary and permanent seeding shall be irrigated or sprinkled in a manner that will not erode the topsoil but will sufficiently soak the soil to a depth of six inches. Irrigation shall occur at 10-day intervals during the first two months.

Rainfall of 1/2 inch or more shall postpone the watering schedule by one week.

II) Inspection Procedures

The Contractor will inspect the control measures weekly and within 24 hours after rainfall events on 1/2 inch or more.

The Contractor will also be responsible for inspections, maintenance, and repair activities as well as preparing the inspection and maintenance forms. Major observations to be made during inspections include:

- Locations of discharges of sediment or other pollutants from the site.
- Locations of BMP's that need maintenance.
- Locations of BMP's that are not performing, failing to operate, or were inadequate.
- Locations where additional BMP's are needed.

III) Additional Maintenance Procedure

Keep necessary equipment's in working order ready for sediment/pollutant cleanup which may possibly escape the construction site and onto street, drainage inlets or streams.

All construction debris, litters shall be picked up and area cleaned on daily basis. All construction material and/or chemicals shall be stored in designate areas as shown on plan. Inspect all equipment on daily bases for potential leaks and repair as required.

Minyard Sons Services**Inspection and maintenance for BMP's- Attachment I**

Inspect all seeded areas for failures and reseed within planting season if necessary. (See below for more information).

Inspect on monthly basis. Maintain width and length and if required add rock to keep required thickness.

In event of spills, contractor shall have sand and/or hay available on site to apply to the contaminated areas in order to contain and clean up possible spills. Contaminated sand shall be transported to the spoil area and disposed of offsite to a disposal site by the contractor.

Minyard Sons Services**Schedule of Interim and Permanent Soil Stabilization Practices- Attachment J**

Disturbed areas including spoils disposal sites where construction activity temporarily ceases for at least 21 days will be stabilized with seeding and mulching by the 14th day after the last disturbance. Seeding shall be as follows:

1. Grasses:

Un-hulled Bermuda and Winter Rye from September 15 to March Hulled Bermuda from March 2 to September 14.

4. Application:

Broadcast seeding or hydro mulch

5. Fertilization:

Fertilization shall have an analysis of 15-15-15 and shall be applied at the rate of 1.5 pounds per 1,000 square feet.

6. Mulch:

Mulch type used shall be hay, straw, or mulch applied at a rate of 45 pounds per 1,000 square feet.

7. Sprinkling:

The planted area shall be irrigated or sprinkled in a manner that will not erode the topsoil but will sufficiently soak the soil to a depth of six inches. The irrigation shall occur at 10-day intervals during the first two months.

Rainfall occurrences of $\frac{1}{2}$ inch or more shall postpone the watering schedule for one week.

RECORD KEEPING:

Records will be retained for a minimum period of at least 3 years after the permit is terminated.

- The following is a list of records which will be kept at project site available for inspectors to review:
- Dates of grading, construction activity, and stabilization
- A copy of the construction general permit.
- The signed and certified NOI form or permit application form.
- A copy of the letter from EPA or/the state notifying their receipt of complete NOI/application.
- Inspection reports (attach)
- Records relating to endangered species and historic preservation, if required.

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Minyard Sons Services Inc.

Regulated Entity Location: 1800 N. Bell Blvd, Cedar Park Texas 78613

Name of Customer: Richard Minyard

Contact Person: Richard Minyard

Phone: 512-721-6307

Customer Reference Number (if issued): CN Regulated Entity Reference

Number (if issued): RN **Austin Regional Office (3373)**

☐ Hays

☐ Travis

☒ Williamson

San Antonio Regional Office (3362)

☐ Bexar

☐ Medina

☐ Uvalde

☐ Comal

☐ Kinney

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

☐ Austin Regional Office

☐ San Antonio Regional Office

☒ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

☐ Recharge Zone

☒ Contributing Zone

☐ Transition Zone

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	6.361 Acres	\$ 5,000.00
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: Abdul El Samir

Date: 11/23/2023

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

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

Extension of Time Requests

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

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

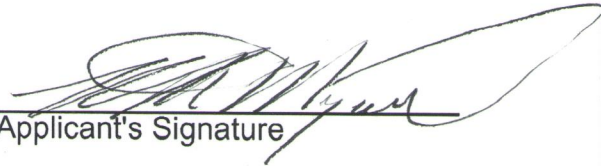
I Richard Minyard
Print Name
Owner Minyard Investments, LP./ President
Title - Owner/President/Other
of Minyard Sons Services Inc. / Minyard Investments, L.P.
Corporation/Partnership/Entity Name
have authorized Ahmed El Seweify
Print Name of Agent/Engineer
of AES Engineering Consultant
Print Name of 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


11/27/2023
Date

THE STATE OF Texas §

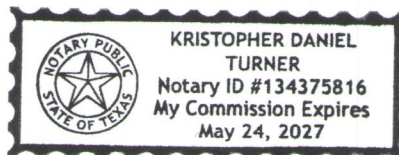
County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Richard D. Minyard 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 27 day of November, 2023.


NOTARY PUBLIC
Kristopher D. Turner
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 24-May-2027





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 Regulated Entity Ownership	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>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).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
Minyard Sons Services Inc.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
801044573		32038222595		20-5865794	
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
		<input type="checkbox"/> 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		<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		13. Independently Owned and Operated?	
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following:					
<input type="checkbox"/> Owner		<input type="checkbox"/> Operator		<input checked="" type="checkbox"/> Owner & Operator	
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Responsible Party		<input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:	
15. Mailing Address:					
1800 N. Bell Blvd.					
City		Cedar Park,		State TX ZIP 78613 ZIP + 4	
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				Contact@aes-engs.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	
(512) 721-6307				() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity <input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
<i>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.)</i>	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Minyard Sons Services, Inc.	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	1800 N. Bell Blvd							
	City	Cedar Park	State	TX	ZIP	78613	ZIP + 4	
24. County	Travis							
Enter Physical Location Description if no street address is provided.								
25. Description to Physical Location:								
26. Nearest City						State	Nearest ZIP Code	
27. Latitude (N) In Decimal:	30.531829			28. Longitude (W) In Decimal:	-97.832667			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	31	54.5844 N	97	49	57.6012w			
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)			
3334	1514		332311					
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>								
industrial warehouse								
34. Mailing Address:	1800 N. Bell Blvd							
	City	Cedar Park	State	TX	ZIP	78613	ZIP + 4	
35. E-Mail Address:	contact@aes-engs.com							
36. Telephone Number		37. Extension or Code		38. Fax Number <i>(if applicable)</i>				
(512) 785-9034				() -				

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

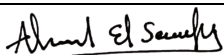
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input 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:	Ahmed El Seweify	41. Title:	Professional Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 785-9034		() -	

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:	AES Engineering Consultant	Job Title:	Professional Engineer
Name(In Print) :	Ahmed El Seweify	Phone:	(512) 785-9034
Signature:		Date:	11/23/2023