CONTRIBUTING ZONE PLAN

FOR

8701 RR 2338

Georgetown, Williamson County, Texas

Prepared For:

ONUD LLC

Prepared By:

8834 N. Capital of Texas Hwy, Suite 140

Austin, TX 78759

Firm #: 2946

Contributing Zone Plan Checklist

- **Edwards Aquifer Application Cover Page (TCEQ-20705)**
- **Contributing Zone Plan Application (TCEQ-10257)**

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  Attachment D - Factors Affecting Surface Water Quality
  Attachment E - Volume and Character of Stormwater
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- **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: 8701 RR 2338						**2. Regulated Entity No.:**			
3. Customer Name: ONUD LLC						**4. Customer No.:**			
5. Project Type: **(Please circle/check one)**	New		Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		Non-residential			**8. Site (acres):**			54.89
9. Application Fee:	$8,000		**10. Permanent BMP(s):**					N/A (<20% IC)	
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						
13. County:	WILLIAMSON		**14. Watershed:**					BERRY CREEK	

Application Distribution

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

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

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

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

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

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. William Taylor, PE
Print Name of Customer/Authorized Agent
11/10/25
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: William Taylor (Gray Engineering)

Date: 11/10/25

Signature of Customer/Agent:

Regulated Entity Name: 8701 RR 2338

Project Information

1. County: Williamson
2. Stream Basin: Brazos River Basin, San Gabriel River Sub Basin
3. Groundwater Conservation District (if applicable): N/A
4. Customer (Applicant):

   Contact Person: Joe Owen, President
   Entity: ONUD LLC
   Mailing Address: 502 GOODNIGHT DR
   City, State: GEORGETOWN, TX Zip: 78628-6956
   Telephone: Fax: _____
   Email Address: joe@owenholdings.com

5. Agent/Representative (If any):

Contact Person: William Taylor, PE
Entity: Gray Engineering
Mailing Address: 5316 W US-290 SERVICE RD, SUITE 220
City, State: AUSTIN, TEXAS Zip: 78735
Telephone: 512.846.8777 Fax: _____
Email Address: wtaylor@gray-civil.com

6. Project Location:

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

8701 RR 2338, Georgetown, Tx 78633

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: As noted in Attachment C - existing restaurant use on-site occupies 3 acres, +/- 51.8 acres remain undeveloped

12. The type of project is:

☐ Residential: # of Lots: _____
☐ Residential: # of Living Unit Equivalents: _____
☐ Commercial
☐ Industrial
☒ Other: Floodplain Reclamation/Grading

13. Total project area (size of site): 54.89 Acres

Total disturbed area: 53.1 Acres

14. Estimated projected population: 0

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

Table 1 - Impervious Cover

Impervious Cover of Proposed Project	*Sq. Ft.*	*Sq. Ft./Acre*	*Acres*
Structures/Rooftops	7,678	÷ 43,560 =	0.176
Parking	67,909	÷ 43,560 =	1.56
Other paved surfaces	16,304	÷ 43,560 =	0.374
Total Impervious Cover	91,891	÷ 43,560 =	2.11

Total Impervious Cover 2.11 **÷ Total Acreage** 54.89 **X 100 =** 3.8 **% 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 x W = _____Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

21. Pavement Area:

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

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

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

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

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

☒ N/A

26. Wastewater will be disposed of by:

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

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

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

☐ Sewage Collection System (Sewer Lines):

The sewage collection system will convey the wastewater to the _____ (name) Treatment Plant. The treatment facility is:

☐ Existing.
☐ Proposed.

☒ N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

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

☒ N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

AST Number	*Size (Gallons)*	*Substance to be Stored*	*Tank Material*
1			
2			
3			
4			
5			

Total x 1.5 = _____ Gallons

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

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

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

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

Table 3 - Secondary Containment

Length (L)(Ft.)	*Width(W)(Ft.)*	*Height (H)(Ft.)*	*L x W x H = (Ft3)*	*Gallons*

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" = 100 '.

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.

- [x] **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. [x] **Attachment J - BMPs for Upgradient Stormwater**.

- [x] 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. [x] **Attachment K - BMPs for On-site Stormwater**.

- [x] 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. [x] **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. [x] **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.

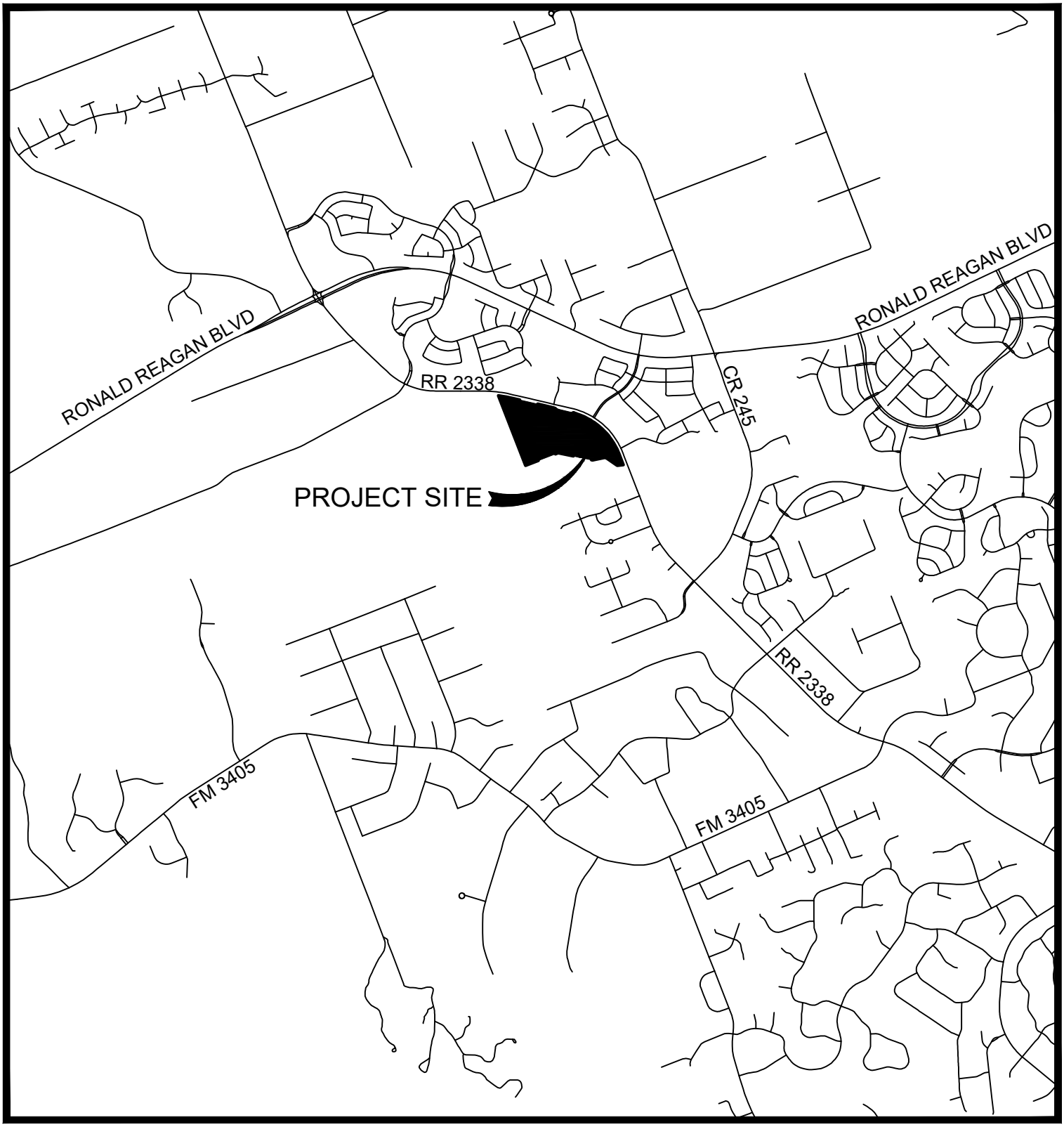
62. ☒ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.

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

SCALE: 1" = 3000'



GRAY
ENGINEERING

8834 N. Capital of Texas Hwy.
Suite 140
Austin, Texas 78759
(512)452-0371
FAX(512)454-9933
TBPELS FIRM #2946

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

The National Map
OnDemand Topo

LEANDER NE QUADRANGLE
TEXAS - WILLIAMSON
7.5-MINUTE TOPO

PROJECT LOCATION

GEORGETOWN

LEANDER

Liberty Hill

Santa Rita Ranch

Lake Georgetown

Britts Crosswind Airport

Rocky Hollow Cemetery

Fore Cemetery

Hilde-Griff Field

Anderson Cemetery

Hunt Cemetery

Camp Spring

Walnut Spring

Morrison Ridge

North Fork San Gabriel River

Middle Fork San Gabriel River

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

Data is provided by The National Map (TNM), is the best available at the time of map generation, and includes data content from supporting themes of Elevation, Hydrography, Geographic Names, Boundaries, Transportation, Structures, Land Cover, and Orthoimagery. Refer to associated Federal Geographic Data Committee (FGDC) Metadata for additional source data information.

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. Temporal changes may have occurred since these data were collected and some data may no longer represent actual surface conditions.

Learn About The National Map: https://nationalmap.gov

UTM GRID AND 2025 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MN
GN
0°36′ 11 MILS
3°11′ 57 MILS

U.S. National Grid
100,000 - m Square ID
PV
34 00
PU
Grid Zone Designation 14R

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
CONTOUR SMOOTHNESS = Medium

TEXAS

QUADRANGLE LOCATION

Mahomet	Florence	Cobbs Cavern
Liberty Hill	Leander NE	Georgetown
Nameless	Leander	Round Rock

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

LEANDER NE, TX
2025

Attachment C – Project Description

8701 RR 2338 is an existing 54.89 acre tract in the ETJ of Georgetown, Texas. There is an existing restaurant on-site that occupies approximately 3 acres of the site. This existing restaurant has approximately 2.3 acres of existing impervious cover (4.2%), which is comprised of compacted parking areas, the building structure, and a turf area. The current project associated with this application does not propose any new use on-site or any additional impervious cover, it proposes mass grading across the site to reduce the floodplain on-site. This grading will reduce the on-site FEMA/Local 100-year floodplain from approximately 41.4 acres to 22.1 acres. The intent of reducing the floodplain on-site is to facilitate future development of the site, however there is not a planned future use currently. Additionally, the current plans do not propose any on-site demolition, just large scale land disturbance to facilitate the regrading required to remove areas from the floodplain.

The site is bisected on the west side by two major drainage ways (Cowan Creek and Cowan Creek Tributary #9). Another drainage way to enters the site to the north from existing culverts under CR 2338 (Cowan Creek Tributary #8). The main stem of Cowan Creek and Cowan Creek Tributary #9 are a part of an existing Zone A FEMA floodplain on-site. There is approximately 2.57 sq. miles of off-site drainage which flows onto the site from the west and north via the tributaries noted above.

There are no permanent BMPs proposed with this plan considering no additional impervious cover is proposed. Should the site be developed in the future, a new CZP (or modification of this application) will be submitted to TCEQ with appropriate permanent BMPs.

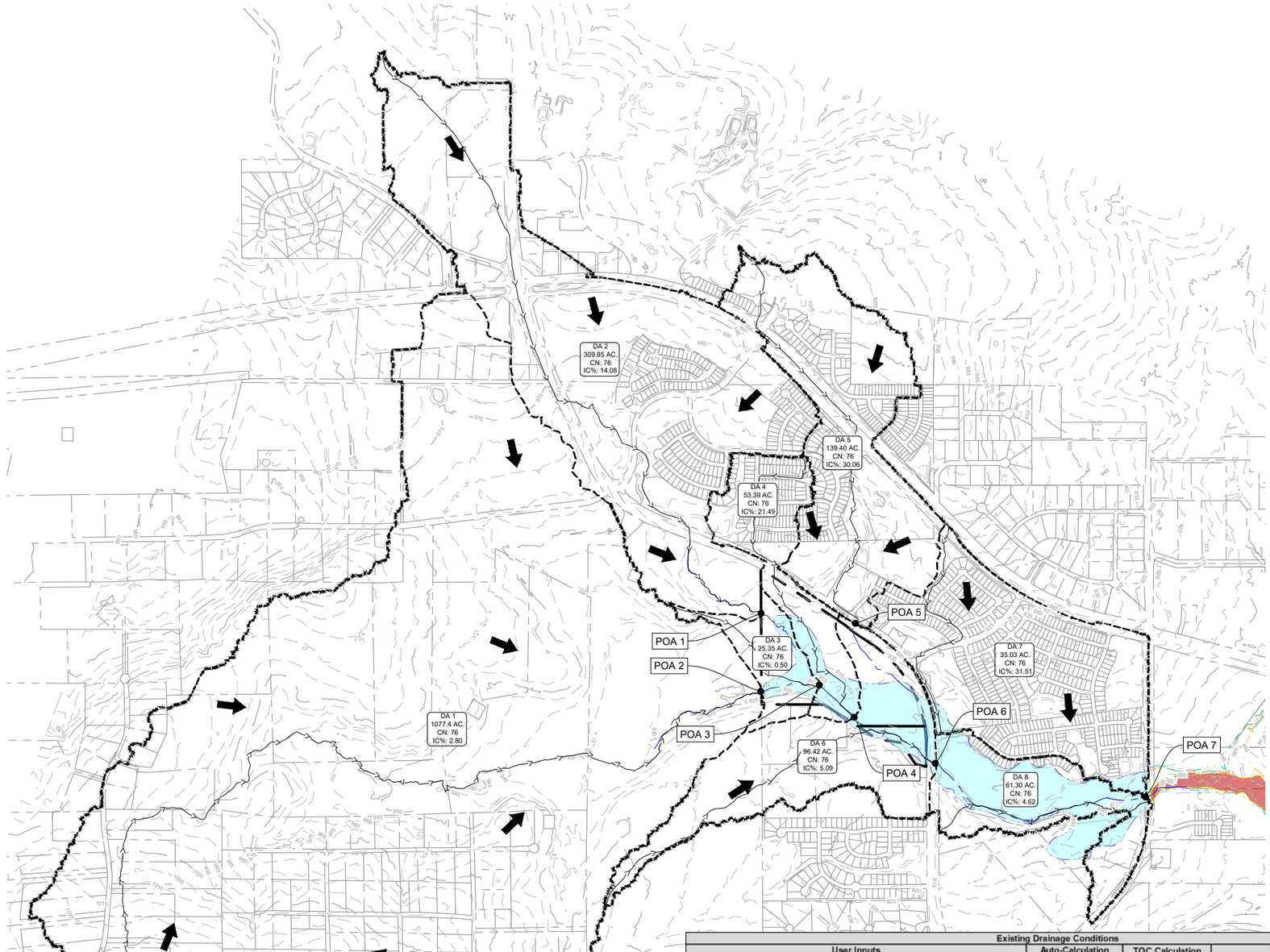
Attachment D – Factors Affecting Surface Water Quality

Potential sources of pollution that may be expected to affect the quality of the stormwater discharges from the construction site include the following:

- Soil erosion due to the clearing of the site and proposed grading operations.
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings.
- Miscellaneous trash and litter from construction.
- Concrete truck washout.

Attachment E – Volume and Character of Stormwater

During construction, the principal potential pollutant in stormwater will most likely be sediment caused by ground disturbance. Since this project only proposes land disturbance and no change of use on-site or increase in impervious cover, there should be no ultimate change to the volume or character of stormwater run-off following permanent vegetation being re-established on-site. The existing drainage conditions have been depicted on the next sheet.



SCALE: 1" = 700'
GRAPHIC SCALE IN FEET
0 350' 700' 1400'

LEGEND

- OVERALL PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- SD SD EXISTING STORM SEWER LINE
- FLOW ARROW
- TIME OF CONCENTRATION
- DRAINAGE AREA BOUNDARY
- XX / XX.XX AC — DRAINAGE AREA LABEL

Existing Drainage Conditions

Contributing Area	User Inputs: Area (sf)	Impervious Cover (sf)	Curve Number (Pervious)	Curve Number (Impervious)	Auto-Calculation: Area (ac)	Impervious Cover (%)	TOC Calculation: TOC (min)	Routing Analysis Inputs: Area (sq. mi.)	Composite Curve Number	Lag Time	Reach Lag (if required)
DA 1	46,929,694	1,315,787	76	98	1077.36	2.80%	97.41	1.6833711	76.62	58.44	R_POA 2_3
DA 2	13,496,875	1,900,904	76	98	309.85	14.08%	77.79	0.4841338	79.10	46.68	R_POA 1_3
DA 3	1,104,076	5,520	76	98	25.35	0.50%	43.65	0.0396033	76.11	26.19	R_POA 3_4
DA 4	2,325,506	499,744	76	98	53.39	21.49%	49.82	0.0834161	80.73	29.89	R_POA 4_6
DA 5	6,072,192	1,825,128	76	98	139.40	30.06%	53.13	0.2178099	82.61	31.88	R_POA 5_6
DA 6	4,200,069	213,857	76	98	96.42	5.09%	77.55	0.1506568	77.12	46.53	R_POA 6_7
DA 7	6,105,516	1,923,877	76	98	140.16	31.51%	35.03	0.2190052	82.93	21.02	
DA 8	2,670,257	123,280	76	98	61.30	4.62%	36.34	0.0957823	77.02	21.80	

Analysis Point	Q_{100} (cfs)
1	1064
2	3191
3	4272
4	4405
5	605
6	5186
7	5519

Time of Concentration Calculations

Contributing Area	Sheet Flow: Length	Slope (ft/ft)	Roughness Coefficient	T_{sheet}	Shallow Concentrated Flow (Unpaved): Length (ft)	Slope (ft/ft)	$T_{unpaved}$	Shallow Concentrated Flow (Paved): Length (ft)	Slope (ft/ft)	T_{paved}	Pipe/Channel Flow 1: Length (ft)	Velocity (ft)	$T_{channel}$ (min)
DA 1	200	0.017	0.3	30.57	1624	0.021	11.58			0.00	11107	3.35	55.26
DA 2	200	0.015	0.3	32.14	2636	0.0117	25.17			0.00	6574	5.35	20.48
DA 3	200	0.02	0.3	28.65	1653	0.019	12.39			0.00	395	2.52	2.61
DA 4	200	0.033	0.24	19.61			0.00	662	0.025	3.43	3630	2.26	26.77
DA 5	200	0.015	0.3	32.14	806	0.025	5.27			0.00	4737	5.02	15.73
DA 6	200	0.012	0.3	35.14	2078	0.01	21.47			0.00	2878	2.29	20.95
DA 7	200	0.023	0.24	22.66	605	0.031	3.55	190	0.03	0.90	2380	5.01	7.92
DA 8	200	0.024	0.3	26.63	265	0.0255	1.71			0.00	2685	5.6	7.99

8834 N. Capital of Texas Hwy.
Suite 140
Austin, Texas 78759
(512)452-0371
FAX(512)454-9933
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NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT
PERMIT

EXISTING DRAINAGE
AREA MAP

PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

EXHIBIT

ATTACHMENT I – 20% or Less Impervious Cover Decleration

The on-site Impervious cover post-project will remain below 20%. No impervious cover is proposed with this plan. As previously noted, the plan is for this project to facilitate a reduction in floodplain on-site to facilitate development of the site and allow for future development plans to be generated. Those plans will be submitted in the future following completion of this project.

ATTACHMENT J – BMPs for Upgradient Stormwater

There are multiple temporary rock berms proposed within the streams which flow through the site, these are proposed to remain in place throughout the duration of construction.

ATTACHMENT K – BMPs for On-site Stormwater

No permanent BMPs are proposed with this plan since it will remain below 20% IC. On-site temporary BMPs include silt fence upstream of the on-site water ways and temporary rock berms within the waterways.

ATTACHMENT L – BMPs for Surface Streams

As noted above, temporary rock berms are proposed within the waterways during construction

ATTACHMENT M – Construction Plans

Applicable construction plan sheets are enclosed

ATTACHMENT N – Inspection, Maintenance, Repair, and Retrofit Plan

N/A – no permanent BMPs proposed.

ATTACHMENT P – Measures for Minimizing Surface Stream Contamination

Silt fence will wrap the site upstream of existing waterways on-site and rock berms are proposed within the on-site waterways through the duration of construction.

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: William Taylor, PE

Date: 11/10/25

Signature of Customer/Agent:

Regulated Entity Name: 8701 RR 2338

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: Cowan Creek, tributary to Berry Creek

Temporary Best Management Practices (TBMPs)

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

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

☒ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.

☒ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.

☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.

☒ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

8. ☒ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.

☐ **Attachment E - Request to Temporarily Seal a Feature**. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.

☒ There will be no temporary sealing of naturally-occurring sensitive features on the site.

9. ☒ **Attachment F - Structural Practices**. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.

10. ☒ **Attachment G - Drainage Area Map**. A drainage area map supporting the following requirements is attached:

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.

☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

☒ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.

11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations**. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.

☒ N/A

12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.

13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.

14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).

15. ☒ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.

16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

18. ☒ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

19. ☒ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

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

21. ☒ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

22. ☒ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

Attachment A – Spill Response Actions

The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses. Measures include reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees.

The following practices will be followed for spill prevention and cleanup:

- Manufacturers' 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 materials will include but not be limited to brooms, dustpans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the Owner and to the appropriate State or local government agency, regardless of the size.
- The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
- The site superintendent responsible for the day-to-day site operations will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer onsite.
- Any reportable quantity hydrocarbon or hazardous material spill should be reported to the TCEQ at the following 24-hour toll free number 1-800-832-8224.

For a spill of Reportable Quantity:

- Initial notification. Upon the determination that a reportable discharge or spill has occurred, the responsible person shall notify the agency as soon as possible but not later than 24 hours after the discovery of the spill or discharge.

- Method of notification. The responsible person shall notify the agency in any reasonable manner including by telephone, in person, or by any other method approved by the agency. In all cases, the initial notification shall provide, to the extent known, the information listed in subsection (d) of Title 30, Part I, Chapter 327, Rule §327.3. Notice provided under this section satisfies the federal requirement to notify the State Emergency Response Commission in the State of Texas.
- Notification of local government authorities. If the discharge or spill creates an imminent health threat, the responsible person shall immediately notify and cooperate with local emergency authorities. The responsible party will cooperate with the local emergency authority in providing support to implement appropriate notification and response actions. The local emergency authority, as necessary, will implement its emergency management plan, which may include notifying and evacuating affected persons. In the absence of a local emergency authority, the responsible person shall take reasonable measures to notify potentially affected persons of the imminent health threat.
- As soon as possible, but no later than two (2) weeks after discovery of the spill or discharge, the Contractor shall reasonably attempt to notify the Owner (if identifiable) or Occupant of the property upon which the discharge or spill occurred as well as the occupants of any property that the Contractor believes is adversely affected.

More information on spill rules and appropriate responses is available on the TCEQ website at: http://www.tceq.texas.gov /response/

<u>Vehicle and Equipment Maintenance:</u>

- If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.
- Regularly inspect onsite vehicles and equipment for leaks and repair immediately.
- Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.
- Always use secondary containment, such as drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
    - Place drip pans or absorbent materials under paving equipment when not in use.
    - Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
    - Promptly transfer used fluids to the proper waste or recycling drums. Do not leave full drip pans or other containers lying around.

- Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over the waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
- Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all of the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Attachment B – Potential Sources of Contamination

Once grading activities begin, erosion of bare soil during rainfall events is the most common source of contamination. Silt fences will be installed at the beginning of the grading operation to minimize the potential for transport of the soil offsite.

During construction activities, potential sources of contamination would include petroleum products leaking from construction equipment. The contractor will be advised to keep the equipment in working order and report any spills per the spill response plan.

Other potential sources of contamination include hydraulic fluid and diesel fuel from mechanical equipment and vehicles, as well as chemicals used on site. Any spills shall be handled according to the Spill Response Actions in **Attachment A**.

Attachment C – Sequence of Major Activities

The first activity of construction will be to install the erosion control measures, consisting of silt fences, tree protection, and stabilized construction entrances. Temporary erosion control measures will remain in place throughout the duration of construction and will be required to be maintained by the contractor to ensure proper functionality; especially after storm events. All disturbed areas to remain pervious will be vegetated using the procedures detailed in the construction plans and all temporary erosion control measures will be removed upon revegetation. Construction activities associated with this application is expected to disturb 53.16 acres of the site.

Attachment D – Temporary Best Management Practices and Measures

As shown on the Construction Erosion Control Plans, temporary BMP practices and measures will include installing silt fences, stabilized construction entrances, a concrete truck washout, and a temporary spoils area prior to beginning grading operations on the site. Temporary measures are intended to provide a method of slowing the upgradient flow, onsite flow or runoff from the construction site in order to allow sediment and suspended solids to settle out

of the water. By containing the sediment and solids within the site, they will not enter surface streams and/or sensitive features.

BMP measures utilized in this plan are intended to allow stormwater to continue downstream after passing through for treatment. This will allow stormwater runoff to continue downstream to any existing sensitive features.

Site Preparation:

The methodology for pollution prevention of all on-site stormwater will include a) the erection of silt fences along the downgradient boundary of the construction activities covering downgradient from areas of concentrated stormwater flow and b) installation of a construction staging area.

Construction:

All installed erosion control measure will be inspected, and if necessary, repaired before any additional construction begins, as well as periodically throughout the construction process. The contractor will be responsible for all maintenance of erosion control measures, as well as the installation of all remaining on-site control measures, including the concrete truck washout, as necessary.

Attachment E – Request to Temporarily Seal a Feature

There are no sensitive features on-site.

Attachment F – Structural Practices

No flows toward exposed soils are anticipated and all runoff from the site will encounter a silt fence before exiting the property.

Attachment G – Drainage Area Maps

No area greater than 10 acres within a common drainage area will be disturbed at one time. Erosion and sediment controls will be seen through a silt fence located downgradient of the stormwater. Refer to the attached construction plans.

Attachment H – Temporary Sediment Pond(s) Plans and Calculations

There are no temporary sediment ponds proposed at this time – standard erosion and sedimentation controls will be utilized to prevent sediment erosion downstream.

Attachment I – Inspection and Maintenance for BMPs

See construction plans included with this application submittal.

Temporary Best Management Practices (BMPs) and measures will be used during construction to prevent pollution of groundwater, surface water and naturally occurring environmental features. Silt fence, stabilized construction entrance, tree protection, concrete washout area, and a temporary spoils area will be installed prior to beginning construction and prior to commencement of any of the activities defined in the sequence of construction as ***Attachment C***. Inspection and maintenance of the on-site controls shall be performed during the site clearing and rough grading process. The perimeter fence shall be regularly monitored to insure that the buffers remain no-construction zones until the site work has been completed and authorization has been granted by the engineer. Refer to the Erosion Control Sheet of the construction plans attached for specific controls and details.

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 run-off from the site, through the use of silt fences placed immediately downstream of disturbed areas. To minimize destruction to any portion of the Recharge Zone, on-site perimeter silt fence will also be implemented for pertinent areas throughout the entirety of construction. The Contractor is expected to inspect the controls weekly and after significant rainfalls to ensure proper function. When silt accumulates six (6) inches in depth the Contractor shall promptly remove the silt from the controls.

BMPs and measures will prevent pollutants from entering surface streams, or the aquifer by interception stormwater potentially carrying sediment and other pollutants. BMPs and measures will implement one (1) stabilized construction entrance and a construction stockpiling/staging area to help minimize pollutant run-off and erosion generated during construction. Paved streets and driveways adjacent to these sites will be cleaned regularly to remove excess mud, dirt or rock tracked from the site. Sedimentation will be concentrated only in these areas for efficient maintenance. Water trucks will be on-site as necessary to aid be cleaned regularly to remove excess mud, dirt or rock tracked from the site. Sedimentation will be concentrated only in these areas for efficient maintenance. Water trucks will be on-site as necessary to aid in controlling dust. BMPs will be implemented to limit/prevent contaminated inflow from entering surface streams or the aquifer. These practices are to include the following measures: the use of silt fence and vegetative buffer zones. The fabricated silt fence barricade will provide help to reduce the likelihood of contaminated runoff from entering the aquifer. If any sensitive features are identified by TCEQ inspections, or during excavation or construction, measures appropriate to the sensitivity of the discovered feature will be enacted. No blasting is proposed.

Temporary Erosion and Sedimentation Notes:

1. The Contractor shall maintain, install erosion/sedimentation controls and tree/natural protective fencing prior to any site preparation work (clearing, grubbing or excavation).
2. The placement of erosion/sedimentation controls and tree/natural area protective fencing shall be in accordance with the TCEQ Technical Guidance Manual and the approved Erosion and Sedimentation Control Plan. No erosion controls shall be placed beyond the property lines of the site unless written permission has been obtained from adjacent property owners.
3. A pre-construction conference shall be held on-site with the Contractor, design engineer/permit applicant and Environmental Inspector after installation of the erosion/sedimentation and tree/natural area protection measures and prior to beginning any site preparation work. The Contractor shall notify the Environmental Inspector at least three (3) days prior to the meeting date.
4. Any major variation in materials or locations of controls or fences from those shown on the approved plans will require a revision and must be approved by the reviewing engineer, environmental specialist or city arborist as appropriate. Minor changes to be made as field revisions to the Erosion and Sedimentation Control Plan may be required by the Environmental Inspector during the course of construction to correct control inadequacies.
5. The Contractor is required to inspect the controls at weekly intervals and after significant rainfall events to ensure that they are functioning properly. The person(s) responsible for maintenance of controls shall immediately make any necessary repairs to damaged areas. Silt accumulation at controls must be removed when the depth reaches six (6) inches.
6. Prior to final acceptance by the County, haul roads and waterway crossing constructed for temporary Contractor access must be removed, accumulated sediment removed from the waterway and the area restored to the original grade and revegetated. All land clearing debris shall be disposed of in approved soil disposal sites.
7. All work must stop if a void in the rock substrate is discovered, which is one (1) square foot in total area, blows air from within the substrate, and/or consistently received water during any rain event. At this time it is the responsibility of the project manager to immediately contact an Environmental Inspector for further investigation.
8. All slopes shall be sodded or seeded with approved grass, grass mixtures or ground cover suitable to the area and season in which they are applied.
9. Silt fences, existing sedimentation basins and similarly recognized techniques and materials shall be employed during construction to prevent point source sedimentation loading of downstream facilities. Such installation shall be regularly inspected for

effectiveness. Additional measures may be required if, in the opinion of the City Engineer, they are warranted.

10. All temporary erosion control measures shall not be removed until final inspection and approval of the project by the engineer. It shall be the responsibility of the Contractor to maintain all temporary erosion control structures and to remove each structure as approved by the engineer.
11. Any dirt, mud, rocks, debris, etc., that is spilled, tracked, or otherwise deposited on any existing paved street shall be cleaned up immediately.

Dewatering Operations

1. Inspect and verify that activity-based BMPs are in place prior to the commencement of associated activities. While activities associated with the BMP area under way, inspect weekly to verify continued BMP implementation.
2. Inspect BMPs subject to non-stormwater discharges daily while non-stormwater discharges occur.
3. Unit-specific maintenance requirements are included with the description of each technology.
4. Sediment removed during the maintenance of a dewatering device may be either spread onsite and stabilized, or disposed of at a disposal site.
5. Sediment that is commingled with other pollutants must be disposed of in accordance with all applicable laws and regulations.

Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

Contractors will ensure that existing vegetation is preserved where attainable and that disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to temporary seeding, permanent seeding, mulching, geotextiles, sodding, tree protection, preservation of natural vegetation and other appropriate measures. All slopes shall be sodded or seeded with approved grass, grass mixtures or ground cover suitable to the area and season in which they are applied. Except as noted below, stabilization shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the activity has temporarily or permanently ceased.

TCEQ Office Use Only
Permit No.:
RN:
CN:
Region:

RESET FORM

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

IMPORTANT:

- Use the INSTRUCTIONS to fill out each question in this form.
- Use the CHECKLIST to make certain you filled out all required information. Incomplete applications **WILL** delay approval or result in denial.
- Once processed your permit can be viewed at: http://www.tceq.texas.gov/goto/wq-dpa

ePERMITS: Sign up now for online NOI: https://www3.tceq.texas.gov/steers/
Pay a $225 reduced application fee by using ePermits.

APPLICATION FEE:

- You must pay the **$325** Application Fee to TCEQ for the paper application to be complete.
- Payment and NOI must be mailed to separate addresses.
- Did you know you can pay on line?
  - Go to http://www.tceq.texas.gov/goto/epay
  - Select Fee Type: GENERAL PERMIT CONSTRUCTION STORM WATER DISCHARGE NOI APPLICATION
- **Provide your payment information below, for verification of payment:**

☐ Mailed Check/Money Order Number: _____
Name Printed on Check: _____
Copy of check enclosed? ☐ Yes

☐ EPAY Voucher Number: _____
Is the Payment Voucher copy attached? ☐ Yes

RENEWAL: Is this NOI a Renewal of an existing General Permit Authorization? (Note: A permit cannot be renewed after June 3, 2013.)

☐ Yes The Permit number is: TXR15_____
(If a permit number is not provided, a new number will be assigned.)

☐ No

1) OPERATOR (Applicant)

a) If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? You may search for your CN at: http://www.tceq.texas.gov/goto/cr-customer

CN_____

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

c) What is the contact information for the Operator (Responsible Authority)? The mailing address must be recognized by the US Postal Service (USPS). You may verify the address at: https://tools.usps.com/go/ZipLookupAction!input.action
Prefix (Mr. Ms. Miss): Mr.
First/Last Name: Joe Owen Suffix:
Title: President Credential:
Phone Number: Ext: Fax Number:
E-mail: joe@owenholdings.com
Mailing Address: 502 GOODNIGHT DR
Internal Routing (Mail Code, Etc.):
City: GEORGETOWN State: Texas ZIP Code: 78628
If outside USA:
Territory: Country Code: Postal Code:

d) Indicate the type of Customer (The instructions will help determine your customer type):

☐ Individual	☐ Limited Partnership	☐ Sole Proprietorship-DBA
☐ Joint Venture	☐ General Partnership	☐ Corporation
☐ Trust	☐ Estate	☐ Federal Government
☐ State Government	☐ County Government	☐ City Government
☐ Other Government		

e) Independent Operator? (If governmental entity, subsidiary, or part of a larger corporation, check "No".)
☑ Yes ☐ No

f) Number of Employees:
☑ 0-20; ☐ 21-100; ☐ 101-250; ☐ 251-500; or ☐ 501 or higher

g) Customer Business Tax and Filing Numbers:
(REQUIRED for Corporations and Limited Partnerships. Not Required for Individuals, Government, or Sole Proprietors)
State Franchise Tax ID Number: 32077742743
Federal Tax ID:
Texas Secretary of State Charter (filing) Number:
DUNS Number (if known):

2) APPLICATION CONTACT

If TCEQ needs additional information regarding this application, who should be contacted?

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

☐ Yes, go to Section 3).

☑ No, complete section below

Prefix (Mr. Ms. Miss): Mr.
First/Last Name: William Taylor Suffix:
Title: Project Manager Credential: P.E.
Organization Name: Gray Engineering
Phone Number: (512) 878-7961 Ext: Fax Number:
E-mail: wtaylor@gray-civil.com
Mailing Address: 5316 Hwy 290 W, Ste. 220
Internal Routing (Mail Code, Etc.):
City: Austin State: Texas ZIP Code: 78735
Mailing Information if outside USA:
Territory: Country Code: Postal Code:

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

If the site of your business is part of a larger business site or if other businesses were located at this site before yours, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at:
http://www.tceq.texas.gov/goto/cr-searchrn

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

a) TCEQ issued RE Reference Number (RN): RN

b) Name of project or site (the name known by the community where located):
8701 RR 2338

c) In your own words, briefly describe the primary business of the Regulated Entity: (Do not repeat the SIC and NAICS code):
NA - undeveloped site, project proposes floodplain reclamation

d) County (or counties if > 1)
Williamson

e) Latitude: 30°43'53.69"N Longitude: 97°47'4.06"W

f) Does the site have a physical address?

☑ Yes, complete Section A for a physical address.

☐ No, complete section B for site location information.

Section A: Enter the physical address for the site.
Verify the address with USPS. If the address is not recognized as a delivery address, provide the address as identified for overnight mail delivery, 911 emergency or other online map tools to confirm an address.

Physical Address of Project or Site:
Street Number: 8701 Street Name: RR 2338
City: Georgetown State: Texas ZIP Code: 78633

Section B: Enter the site location information.

If no physical address (Street Number & Street Name), provide a written location access description to the site. (Example: located 2 miles west from intersection of Hwy 290 & IH35 accessible on Hwy 290 South)

City where the site is located or, if not in a city, what is the nearest city:

State: ZIP Code where the site is located:

4) GENERAL CHARACTERISTICS

a) Is the project/site located on Indian Country Lands?

☐ Yes - If the answer is Yes, you must obtain authorization through EPA, Region 6.

☑ No

b) Is your construction activity associated with a facility that, when completed, would be associated with the exploration, development, or production of oil or gas or geothermal resources?

☐ Yes - If the answer is Yes, you may be under jurisdiction of the Railroad Commission of Texas and may need to obtain authorization through EPA, Region 6.

☑ No

c) What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site?

Primary SIC Code: 1542

d) If applicable, what is the Secondary SIC Code(s):

e) What is the total number of acres disturbed? 53.16

f) Is the project site part of a larger common plan of development or sale?

☐ Yes - If the answer is Yes, the total number of acres disturbed can be less than 5 acres.

☑ No - If the answer is No, the total number of acres disturbed must be 5 or more. If the total number of acres disturbed is less than 5 then the project site does not qualify for coverage through this Notice of Intent. Coverage will be denied. See the requirements in the general permit for small construction sites.

g) What is the name of the first water body(s) to receive the stormwater runoff or potential runoff from the site?

Cowan Creek

h) What is the segment number(s) of the classified water body(s) that the discharge will eventually reach?

1248A

i) Is the discharge into an MS4?

☐ Yes - If the answer is Yes, provide the name of the MS4 operator below.

_____

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

☑ No

j) Are any of the surface water bodies receiving discharges from the construction site on the latest EPA-approved CWA 303(d) List of impaired waters?

☐ Yes - If the answer is Yes, provide the name(s) of the impaired water body(s) below.

_____

☑ No

k) Is the discharge or potential discharge within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer as defined in 30 TAC Chapter 213?

☑ Yes - If the answer is Yes, complete certification below by checking "Yes."

☐ No

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

☑ Yes

5) CERTIFICATION

Check Yes to the certifications below. Failure to indicate Yes to ***ALL*** items may result in denial of coverage under the general permit.

a) I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000). ☑ Yes

b) I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas. ☑ Yes

c) I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed. ☑ Yes

d) I certify that a Stormwater Pollution Prevention Plan has been developed, will be implemented prior to construction and to the best of my knowledge and belief is compliant with any applicable local sediment and erosion control plans, as required in the general permit TXR150000. Note: For multiple operators who operate under a shared SWP3, the confirmation of an operator may be limited to its obligations under the SWP3 provided all obligations are confirmed by at least one operator. ☑ Yes

Operator Certification:

I, William Taylor, PE (Typed or printed name) Project Manager (Title)

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

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

Signature: W~2 *(Use blue ink)* Date: 10/22/25

NOTICE OF INTENT CHECKLIST (TXR150000)

- Did you complete everything? Use this checklist to be sure!
- Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the general permit. (See NOI process description in the Instructions)

Application Fee:

If paying by Check:

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

If using ePay:

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

PERMIT NUMBER:

- ☐ Permit number provided – if this application is for renewal of an existing authorization.

OPERATOR INFORMATION - Confirm each item is complete:

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

REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE - Confirm each item is complete:

- ☑ Regulated Entity Reference Number (RN) (if site is already regulated by TCEQ)
- ☑ Site/project name/regulated entity
- ☑ Latitude and longitude http://www.tceq.texas.gov/gis/sqmaview.html
- ☑ County
- ☑ Site/project physical address. Do not use a rural route or post office box.
- ☑ Business description

GENERAL CHARACTERISTICS - Confirm each item is complete:

- ☑ Indian Country Lands –the facility is not on Indian Country Lands
- ☑ Construction activity related to facility associated to oil, gas, or geothermal resources
- ☑ Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicser.html
- ☑ Acres disturbed is provided and qualifies for coverage through a NOI
- ☑ Common plan of development or sale
- ☑ Receiving water body(s)
- ☑ Segment number(s)
- ☑ Impaired water body(s)
- ☑ MS4 operator
- ☑ Edwards Aquifer rule

CERTIFICATION

- ☑ Certification statements have been checked indicating "Yes"
- ☑ Signature meets 30 Texas Administrative Code (TAC) 305.44 and is original.

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

General Information and Instructions

GENERAL INFORMATION

Where to Send the Notice of Intent (NOI):

BY REGULAR U.S. MAIL
Texas Commission on Environmental Quality
Stormwater Processing Center (MC-228)
P.O. Box 13087
Austin, Texas 78711-3087

BY OVERNIGHT/EXPRESS MAIL
Texas Commission on Environmental Quality
Stormwater Processing Center (MC-228)
12100 Park 35 Circle
Austin, TX 78753

TCEQ Contact List:

Application – status and form questions:	512/239-3700, swpermit@tceq.texas.gov
Technical questions:	512/239-4671, swgp@tceq.texas.gov
Environmental Law Division:	512/239-0600
Records Management - obtain copies of forms:	512/239-0900
Reports from databases (as available):	512/239-DATA (3282)
Cashier's office:	512/239-0357 or 512/239-0187

Notice of Intent Process:

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

1) **Administrative Review:** Each item on the form will be reviewed for a complete response. In addition, the operator's legal name must be verified with Texas Secretary of State as valid and active (if applicable). The address(s) on the form must be verified with the US Postal service as receiving regular mail delivery. Never give an overnight/express mailing address.

2) **Notice of Deficiency:** If an item is incomplete or not verifiable as indicated above, a notice of deficiency (NOD) will be mailed to the operator. The operator will have 30 days to respond to the NOD. The response will be reviewed for completeness.

3) **Acknowledgment of Coverage:** An Acknowledgment Certificate will be mailed to the operator. This certificate acknowledges coverage under the general permit.
   -or-
   Denial of Coverage: If the operator fails to respond to the NOD or the response is inadequate, coverage under the general permit may be denied. If coverage is denied, the operator will be notified.

General Permit (Your Permit)

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

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

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

General Permit Forms

The Notice of Intent (NOI), Notice of Termination (NOT), and Notice of Change (NOC) (including instructions) are available in Adobe Acrobat PDF format on the TCEQ web site http://www.tceq.texas.gov.

Change in Operator

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

TCEQ Central Registry Core Data Form

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

You can find the information on the Central Registry web site at http://www15.tceq.texas.gov/crpub/. You can search by the Regulated Entity (RN), Customer Number (CN) or Name (Permittee), or by your permit number under the search field labeled "Program ID". Capitalize all letters in the permit number.

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

Fees associated with a General Permit

Payment of the fee may be made by check or money order, payable to TCEQ, or through EPAY (electronic payment through the web).

Application Fee: This fee is required to be paid at the time the NOI is submitted. Failure to submit payment at the time the application is filed will cause delays in acknowledgment or denial of coverage under the general permit.

Mailed Payments:

Payment must be mailed under separate cover at one of the addresses below using the attached Application Fee submittal form. (DO NOT SEND A COPY OF THE NOI WITH THE APPLICATION FEE SUBMITTAL FORM)

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

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

ePAY Electronic Payment: http://www.tceq.texas.gov/epay
When making the payment you must select Water Quality, and then select the fee category "General Permit Construction Storm Water Discharge NOI Application". You must include a copy of the payment voucher with your NOI. Your NOI will not be considered complete without the payment voucher.

INSTRUCTIONS FOR FILLING OUT THE NOI FORM

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

1. Operator (Applicant)

a) Enter assigned Customer Number (CN)

TCEQ's Central Registry will assign each customer a number that begins with CN, followed by nine digits. **This is not a permit number, registration number, or license number**.
If this customer has not been assigned a CN, leave the space for the CN blank.
If this customer has already been assigned this number, enter the permittee's CN.

b) Legal Name

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

c) Operator Contact's (Responsible Authority) Contact Information and Mailing Address

Provide the first and last name, and the title of the person signing the Certification section of the application. This person must be an individual having signatory authority in accordance with 30 TAC Chapter §305.44. This person is also referred to as the Responsible Authority.

Provide a complete mailing address for receiving mail from the TCEQ. The address must be verifiable with the US Postal Service at https://tools.usps.com/go/ZipLookupAction!input.action for regular mail delivery (not overnight express mail). If you find that the address is not verifiable using the USPS web search, please indicate the address is used by the USPS for regular mail delivery.

The area code and phone number should provide contact to the operator. Leave Extension blank if not applicable.

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

d) Type of Customer (Entity Type)

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

Sole Proprietorship – DBA

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

- be under the person's name
- have its own name (doing business as or d.b.a.)
- have any number of employees

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

Individual

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

Partnership

- A customer that is established as a partnership as defined by the Texas Secretary of State Office (TX SOS). A Limited Partnership or Limited Liability Partnership (Partnership) is required to file with the Texas Secretary of State. A General Partnership or Joint Venture is not required to register with the state.
- **Partnership (Limited Partnership or Limited Liability Partnership):** A limited partnership is defined in the Act as a partnership formed by two or more persons under the provisions of Section 3 of the Uniform Limited Partnership Act (Art. 6132a, Revised Civil Statutes of Texas) and having as members one or more general partners and one or more limited partners. The limited partners as such are not bound by the obligations of the partnership. Limited partners may not take part in the day-to-day operations of the business. A Limited Partnership must file with the Texas Secretary of State. A registered limited liability partnership is a general or limited partnership that is registered with the Texas Secretary of State. The partnership's name must contain the words "Registered Limited Liability Partnership" or the abbreviation "L.L.P." as the last words or letters of its name.
- **General Partnership:** A general partner may or may not invest, participates in running the partnership and is liable for all acts and debts of the partnership and any member of it. A General Partnership does not have limited partners. For a General Partnership, there is no registration with the state or even written agreement necessary for a general partnership to be formed. The legal definition of a partnership is generally stated as "an association of two or more persons to carry on as co-owners a business for profit" (Revised Uniform Partnership Act § 101 [1994]).
- **Joint Venture:** A joint venture is but another name for a special partnership. It might be distinguished from a general partnership in that the latter is formed for the transaction of a general business, while a joint venture is usually limited to a single transaction. That is, a joint venture is a special combination of persons in the nature of a partnership engaged in the joint prosecution of a particular transaction for mutual benefit or profit.

Corporation

A customer meets all of these conditions:

- is a legally incorporated entity under the laws of any state or country
- is recognized as a corporation by the Texas Secretary of State
- has proper operating authority to operate in Texas.
- The corporation's 'legal name' as filed with the Texas Secretary of State must be provided as applicant. An 'assumed' name of a corporation is not recognized as the 'legal name' of the entity.

Government

Federal, state, county, or city government (as appropriate)
The customer is either an agency of one of these levels of government or the governmental body itself. The government agency's 'legal name' must be provided as the

applicant. A department name or other description of the organization should not be included as a part of the 'legal name' as applicant.

Trust or Estate

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

Other Government

A utility district, water district, tribal government, college district, council of governments, or river authority. Write in the specific type of government.

e) Independent Entity

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

f) Number of Employees

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

g) Customer Business Tax and Filing Numbers

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

State Franchise Tax ID Number

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

Federal Tax ID

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

TX SOS Charter (filing) Number

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

DUNS Number

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

2. APPLICATION CONTACT

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

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

a) Regulated Entity Reference Number (RN)

A number issued by TCEQ's Central Registry to sites (a location where a regulated activity occurs) regulated by TCEQ. This is not a permit number, registration number, or license number. If this regulated entity has not been assigned an RN, leave this space blank.

If the site of your business is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at: http://www.tceq.texas.gov/goto/cr-searchrn

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

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

b) Site/Project Name/Regulated Entity
Provide the name of the site as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity name.

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

d) County
Identify the county or counties in which the regulated entity is located.

e) Latitude and Longitude
Enter the latitude and longitude of the site in degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to:
http://www.tceq.texas.gov/gis/sqmaview.html or http://nationalmap.gov/ustopo

f) Site/Project (RE) Physical Address/Location Information
Enter the complete address for the site in Section A if the address can be validated through the US Postal Service. If the physical address is not recognized as a USPS delivery address, you may need to validate the address with your local police (911 service) or through an online map site used to locate a site. Please confirm this to be a complete and valid address. Do not use a rural route or post office box for a site location.

If a site does not have an address that includes a street (or house) number and street name, enter NO ADDRESS for the street name in Section A. In Section B provide a complete written location description. For example: "The site is located 2 miles west from intersection of Hwy 290 & IH35, located on the southwest corner of the Hwy 290 South bound lane."
Provide the city (or nearest city) and zip code of the facility location.

4. GENERAL CHARACTERISTICS

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

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

If your activity is associated with oil and gas exploration, development, or production, you may be under jurisdiction of the Railroad Commission of Texas and may need to obtain authorization from EPA Region 6. For more information, see: http://texreg.sos.state.tx.us/public/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=30

Construction activities associated with a facility related to oil, gas or geothermal resources may include the construction of a well site; treatment or storage facility; underground hydrocarbon or natural gas storage facility; reclamation plant; gas processing facility; compressor station; terminal facility where crude oil is stored prior to refining and at which refined products are stored solely for use at the facility; a carbon dioxide geologic storage facility; and a gathering, transmission, or distribution pipeline that will transport crude oil or natural gas, including natural gas liquids, prior to refining of such oil or the use of the natural gas in any manufacturing process or as a residential or industrial fuel.

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

c) Primary Standard Industrial Classification (SIC) Code

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

Common SIC Codes related to construction activities include:

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

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

For help with SIC Codes, go to:
http://www.osha.gov/pls/imis/sicsearch.html

d) Secondary SIC Code
Secondary SIC Code(s) may be provided. Leave blank if not applicable. For help with SIC Codes, go to: http://www.osha.gov/pls/imis/sicsearch.html

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

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

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

For more information on "What is a common plan of development?" go to:
www.tceq.texas.gov/permitting/stormwater/common_plan_of_development_steps.html

For further information, go to the TCEQ stormwater construction webpage at:
www.tceq.texas.gov/goto/construction and search for "Additional Guidance and Quick Links". If you have any further questions about this item, please call the stormwater technical staff at (512)239-4671.

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

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

h) Identify the segment number(s) of the classified water body(s)
Identify the classified segment number(s) receiving a discharge directly or indirectly. Go to the following link to find the segment number of the classified water body where stormwater will flow from the site: www.tceq.texas.gov/waterquality/monitoring/viewer.html

You may also find the segment number in TCEQ publication GI-316: www.tceq.texas.gov/publications/gi/gi-316

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

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

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

i) Discharge into MS4 – Identify the MS4 Operator
The discharge may initially be into a municipal separate storm sewer system (MS4). If the stormwater discharge is into an MS4, provide the name of the entity that operates the MS4 where the stormwater discharges. An MS4 operator is often a city, town, county, or utility district, but possibly can be another form of government. Please note that the Construction General Permit requires the Operator to supply the MS4 with a copy of the NOI submitted to TCEQ. For assistance, you may call the technical staff at (512)239-4671.

j) Surface Water bodies on list of impaired waters – Identify the impaired water body(s)
Indicate Yes or No if any surface water bodies receiving discharges from the construction site are on the latest EPA-approved CWA 303(d) List of impaired waters. Provide the name(s) of surface water bodies receiving discharges or potential discharges from the construction site that are on the latest EPA-approved CWA 303(d) List of impaired waters. The EPA-approved CWA 303(d) List of impaired waters in Texas can be found at: www.tceq.texas.gov/waterquality/assessment/305_303.html

NOTE: Do not use any "draft" documents.

k) Discharges to the Edwards Aquifer Recharge Zone and Certification
See maps on the TCEQ website to determine if the site is located within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer at: www.tceq.texas.gov/field/eapp/viewer.html

If the discharge or potential discharge is within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, a site specific authorization approved by the Executive Director under the Edwards Aquifer Protection Program (30 TAC Chapter 213) is required before construction can begin. The certification must be answered "Yes" for coverage under the Construction General Permit. The TCEQ approved plan must be readily available for TCEQ staff to review at the time that the NOI is submitted.

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

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

5. CERTIFICATIONS

Failure to indicate **Yes** to ALL of the certification items may result in denial of coverage under the general permit.

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

Provisional coverage under the Construction General Permit (TXR150000) begins 7 days after the completed paper NOI is postmarked for delivery to the TCEQ. (Electronic applications submitted through ePermits have immediate provisional coverage). You must obtain a copy and read the Construction General Permit before submitting your application. You may view and print the Construction General Permit for which you are seeking coverage at the TCEQ web site: www.tceq.texas.gov/goto/construction

b) Certification of Legal Name

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

c) Understanding of Notice of Termination

A permittee shall terminate coverage under this Construction General Permit through the submittal of a NOT when the operator of the facility changes, final stabilization has been reached, the discharge becomes authorized under an individual permit, or the construction activity never began at this site.

d) Certification of Stormwater Pollution Prevention Plan

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

Operator Certification:

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

IF YOU ARE A CORPORATION:

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

IF YOU ARE A MUNICIPALITY OR OTHER GOVERNMENT ENTITY:

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

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

30 Texas Administrative Code

§305.44. Signatories to Applications

(a) All applications shall be signed as follows.

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

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

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

Texas Commission on Environmental Quality
General Permit Payment Submittal Form

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

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

Mail this form and your check to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: GPA General Permit: TXR150000

1. Check / Money Order Number:
2. Amount of Check/Money Order:
3. Date of Check or Money Order:
4. Name on Check or Money Order:
5. NOI INFORMATION

   If the check is for more than one NOI, list each Project/Site (RE) Name and Physical Address exactly as provided on the NOI. DO NOT SUBMIT A COPY OF THE NOI WITH THIS FORM AS IT COULD CAUSE DUPLICATE PERMIT ENTRIES.

   See Attached List of Sites (If more space is needed, you may attach a list.)

   Project/Site (RE) Name:

   Project/Site (RE) Physical Address:

Staple Check in This Space

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

I Joe Owen,
Print Name

President,
Title - Owner/President/Other

of ONUD, LLC,
Corporation/Partnership/Entity Name

have authorized William Taylor, PE
Print Name of Agent/Engineer

of Gray Engineering
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.

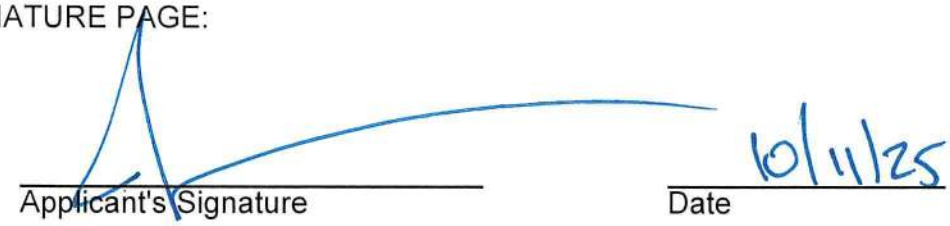
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

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

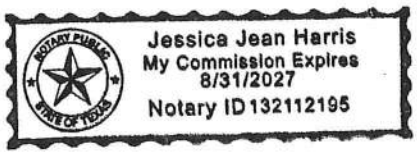
10/11/25
Date

THE STATE OF Texas §

County of Travis §

BEFORE ME, the undersigned authority, on this day personally appeared Joe Owen 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 11th day of October, 2025.



NOTARY PUBLIC

Jessica Jean Harris
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 8/31/2027

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: 8701 RR 2338
Regulated Entity Location: 8701 RR 2338, Georgetown, Tx
Name of Customer: ONUD LLC
Contact Person: Joe Owen Phone: _____
Customer Reference Number (if issued):CN _____
Regulated Entity Reference Number (if issued):RN _____

Austin Regional Office (3373)

☐ Hays ☐ Travis ☒ Williamson

San Antonio Regional Office (3362)

☐ Bexar ☐ Medina ☐ Uvalde
☐ Comal ☐ Kinney

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

☒ Austin Regional Office
☒ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☐ Recharge Zone ☒ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	54.89 Acres	$ 8,000
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Signature: _____ Date: 11/10/25

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

Project	*Cost per Linear Foot*	*Minimum Fee-Maximum Fee*
Sewage Collection Systems	$0.50	$650 - $6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

Project	*Cost per Tank or Piping System*	*Minimum Fee-Maximum Fee*
Underground and Aboveground Storage Tank Facility	$650	$650 - $6,500

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN		**RN**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

ONUD LLC (Manager: Owen, Joe)

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
080392	32077742743		

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☒ Other: LLC

12. Number of Employees

☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☐ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:

5560 TENNYSON PKWY STE 250

City	PLANO	**State**	TX	**ZIP**	75024	**ZIP + 4**	3582

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	joe@owenholdings.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
( ) -		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

8701 RR 2338

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	8701 RR 2338							
	City	Georgetown	**State**	TX	**ZIP**	78633	**ZIP + 4**	
24. County								

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	30°43'52.76"N		**28. Longitude (W) In Decimal:**	97°47'1.16"W	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30°	43'	52.76"	97°	47'	1.16"

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)
6519		531190	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Vacant site

34. Mailing Address:	**502 Goodnight Dr**							
	City	**Georgetown**	**State**	**TX**	**ZIP**	**78628**	**ZIP + 4**	**6956**
35. E-Mail Address:	**joe@owenholdings.com**							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
( ) -		( ) -

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

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	William Taylor, PE	**41. Title:**	Project Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512 **)** 878-7961		**( )** -	wtaylor@gray-civil.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Gray Engineering	**Job Title:**	Project Manager
Name *(In Print):*	William Taylor	**Phone:**	**(** 512 **)** 878- **7961**
Signature:		**Date:**	11/10/25

OWNER:
ONUD LLC
8701 RR 2338,
GEORGETOWN, TX 78633
CONTACT: JOE OWEN
(972) 679-5545

ENGINEER:
GRAY ENGINEERING INC.
8834 N. CAPITAL OF TEXAS HWY., SUITE 140
AUSTIN, TEXAS 78759
(512) 452-0371
FAX (512) 454-9933

SURVEYOR:
G&R SURVEYING, LLC
1805 OUIDA DR
AUSTIN, TX 78728
CONTACT: RUSS STAPLETON
(512) 844-4504

NOTES:

1. THE TRACT IS LOCATED IN THE ETJ OF GEORGETOWN TEXAS.
2. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED PERMIT.
3. THE OWNER IS RESPONSIBLE FOR ALL COSTS OF RELOCATION OF, OR DAMAGE TO, UTILITIES.
4. ADDITIONAL EASEMENTS MAY BE REQUIRED AT A LATER DATE.
5. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, WILLIAMSON COUNTY MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
6. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN EASEMENTS OR STREET R.O.W

GENERAL CONSTRUCTION NOTES FOR PLANS

1. THESE PLANS ARE NOT TO BE CONSIDERED FINAL FOR CONSTRUCTION UNTIL APPROVED BY WILLIAMSON COUNTY. CHANGES MAY BE REQUIRED PRIOR TO APPROVAL.
2. SEVENTY-TWO (72) HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION, THE DEVELOPER SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH ALL PERTINENT PARTIES.
3. ALL DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH WILLIAMSON COUNTY SPECIFICATIONS. ALL REPAIRS TO IMPROVEMENTS CAUSED BY CONTRACTOR'S FAILURE TO INSTALL IMPROVEMENTS IN ACCORDANCE WITH WILLIAMSON COUNTY SPECIFICATIONS AND THESE CONSTRUCTION PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. A MINIMUM OF TWO (2) BENCHMARKS SHALL BE SHOWN ON THE CONSTRUCTION PLANS
5. ALL BEDDING MATERIALS USED WITHIN THE ROW SHALL COMPLY WITH COA ITEM 510.
6. THE CONTRACTOR SHALL MAINTAIN E&S CONTROLS THAT FAILED INSPECTION PRIOR TO THE NEXT INSPECTION OR RAIN EVENT.
7. A HARD COPY OF THE APPROVED/STAMPED PLANS MUST BE ON SITE AND AVAILABLE UPON REQUEST AT ALL TIMES.
8. DEWATERING OPERATIONS MUST USE SWPPP-SPECIFIED METHODS ONLY. IF SUCH METHODS ARE ONLY GENERAL OR NOT APPLICABLE, PUMP FROM THE TOP OF THE POOL (RATHER THAN THE BOTTOM) AND DISCHARGE TO A VEGETATED, UPLAND AREA (AWAY FROM WATERBODIES OR DRAINAGES) OR USE ANOTHER TYPE OF FILTRATION PRIOR TO DISCHARGE. REFER TO THE EPA 2017 GENERAL CONSTRUCTION PERMIT, SECTION 2.4, AS APPLICABLE.
9. THE CONTRACTOR SHALL SUPPLY QUALIFIED PERSONNEL TO PERFORM SWPPP INSPECTIONS ON PROJECT ≥ 1 ACRE. QUALIFIED PERSONNEL SHALL HAVE CIESC, CESSWI, OR EQUIVALENT CERTIFICATION APPROVED BY THE MS4.
10. CONTRACTOR SHALL PLACE GEO FABRIC UNDER SCE'S AND CLEAN UP ANY MUD AND DEBRIS TRACKED ONTO PUBLICLY MAINTAINED ROADWAYS FROM VEHICLES LEAVING THE CONSTRUCTION SITE DAILY.
11. NO EXPLOSIVES SHALL BE USED FOR THIS PROJECT WITHOUT TCEQ APPROVAL.
12. ALL HOLES, TRENCHES AND OTHER HAZARDOUS AREAS SHALL BE ADEQUATELY PROTECTED BY BARRICADES, FENCING, LIGHTS AND/OR OTHER PROTECTIVE DEVICES IN COMPLIANCE WITH COA 509S AND OSHA REGULATIONS AT ALL TIMES.
13. THE CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN PREPARED AND SEALED BY AN ENGINEER LICENSED BY THE STATE OF TEXAS PRIOR TO THE START OF THE PROJECT. THE CONTRACTOR SHALL ASSIGN A COMPETENT PERSON THAT HAS BEEN PROPERLY TRAINED AND IS QUALIFIED TO MAKE INSPECTIONS AND SUPERVISE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE TRENCH SAFETY OR EXCAVATION SAFETY SYSTEM.
14. CONTRACTOR SHALL COMPLY WITH CONSTRUCTION SEQUENCING WHICH MAY BE SPECIFIED SOMEWHERE IN THE CONSTRUCTION PLANS.

CONSTRUCTION PLANS FOR

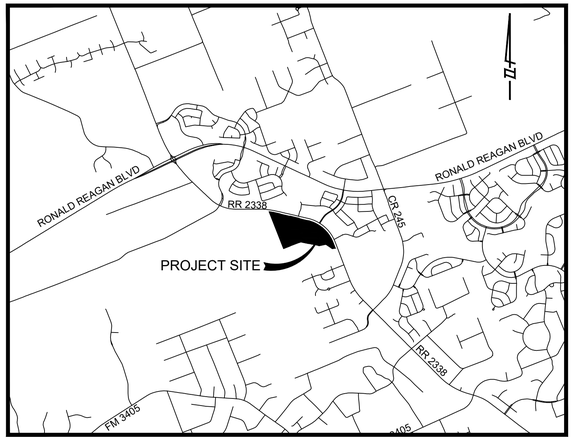
ONUD TRACT

FLOODPLAIN DEVELOPMENT PERMIT

PERMIT NUMBER: 2025-1284-FDP

8701 RR 2338,
GEORGETOWN, TX 78633

INITIAL SUBMITTAL: SEPTEMBER 2, 2025



VICINITY MAP
SCALE: 1" = 3000'

SHEET LIST TABLE

NO.	DATE	SHEETS	REVISION DESCRIPTION

REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS (WCSR 2025)

WILLIAMSON COUNTY DEVELOPMENT SERVICES — DATE

SUBMITTED BY

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED
PROFESSIONAL ENGINEER

William Taylor
WILLIAM TAYLOR, P.E.
GRAY ENGINEERING, INC. TBPE NO. F-2946

11/10/2025
DATE

I, WILLIAM TAYLOR, P.E., CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THE INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO COUNTY APPROVAL.

GRAY ENGINEERING

8834 N. Capital of Texas Hwy.
Suite 140
Austin, Texas 78759
(512)452-0371
FAX(512)454-9933
TBPELS FIRM #2946

PROJECT NO. 12010-1797 ONUD TRACT

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-CVR.DWG DATE: 11/11/2025 1:15:57 PM BY: WTAYLOR

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CONTRIBUTING ZONE PLAN
GENERAL CONSTRUCTION NOTES

EDWARDS AQUIFER PROTECTION PROGRAM CONSTRUCTION NOTES – LEGAL DISCLAIMER

THE FOLLOWING/LISTED "CONSTRUCTION NOTES" ARE INTENDED TO BE ADVISORY IN NATURE ONLY AND DO NOT CONSTITUTE AN APPROVAL OR CONDITIONAL APPROVAL BY THE EXECUTIVE DIRECTOR (ED), NOR DO THEY CONSTITUTE A COMPREHENSIVE LISTING OF RULES OR CONDITIONS TO BE FOLLOWED DURING CONSTRUCTION. FURTHER ACTIONS MAY BE REQUIRED TO ACHIEVE COMPLIANCE WITH TCEQ REGULATIONS FOUND IN TITLE 30, TEXAS ADMINISTRATIVE CODE (TAC), CHAPTERS 213 AND 217, AS WELL AS LOCAL ORDINANCES AND REGULATIONS PROVIDING FOR THE PROTECTION OF WATER QUALITY. ADDITIONALLY, NOTHING CONTAINED IN THE FOLLOWING/LISTED "CONSTRUCTION NOTES" RESTRICTS THE POWERS OF THE ED, THE COMMISSION OR ANY OTHER GOVERNMENTAL ENTITY TO PREVENT, CORRECT, OR CURTAIL ACTIVITIES THAT RESULT OR MAY RESULT IN POLLUTION OF THE EDWARDS AQUIFER OR HYDROLOGICALLY CONNECTED SURFACE WATERS. THE HOLDER OF ANY EDWARDS AQUIFER PROTECTION PLAN CONTAINING "CONSTRUCTION NOTES" IS STILL RESPONSIBLE FOR COMPLIANCE WITH TITLE 30, TAC, CHAPTERS 213 OR ANY OTHER APPLICABLE TCEQ REGULATION, AS WELL AS ALL CONDITIONS OF AN EDWARDS AQUIFER PROTECTION PLAN THROUGH ALL PHASES OF PLAN IMPLEMENTATION. FAILURE TO COMPLY WITH ANY CONDITION OF THE ED'S APPROVAL, WHETHER OR NOT IN CONTRADICTION OF ANY "CONSTRUCTION NOTES," IS A VIOLATION OF TCEQ REGULATIONS AND ANY VIOLATION IS SUBJECT TO ADMINISTRATIVE RULES, ORDERS, AND PENALTIES AS PROVIDED UNDER TITLE 30, TAC § 213.10 (RELATING TO ENFORCEMENT). SUCH VIOLATIONS MAY ALSO BE SUBJECT TO CIVIL PENALTIES AND INJUNCTION. THE FOLLOWING/LISTED "CONSTRUCTION NOTES" IN NO WAY REPRESENT AN APPROVED EXCEPTION BY THE ED TO ANY PART OF TITLE 30 TAC, CHAPTERS 213 AND 217, OR ANY OTHER TCEQ APPLICABLE REGULATION

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 SITE SITUATIONS. 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 OFFSITE.

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) 339-2929 Fax (512) 339-3795	San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096 Fax (210) 545-4329

8834 N. Capital of Texas Hwy.
Suite 140
Austin, Texas 78759
(512)452-0371
FAX(512)454-9933
TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

GENERAL NOTES

PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142850
LICENSED PROFESSIONAL ENGINEER

TREE LIST				TREE LIST			
TAG#	TYPE	CHARACTERISTICS	DIAMETER (INCHES)	TAG#	TYPE	CHARACTERISTICS	DIAMETER (INCHES)
1	LIVE OAK	SINGLE	13"	18 (X)	LIVE OAK	SINGLE	15"
2	LIVE OAK	SINGLE	12"	19 (X)	LIVE OAK	SINGLE	13"
3 (X)	LIVE OAK	SINGLE	20"	20 (X)	LIVE OAK	SINGLE	12"
4 (X)	LIVE OAK	SINGLE	16"	21 (X)	LIVE OAK	SINGLE	23"
5 (X)	LIVE OAK	2X	24" 19"	22 (X)	LIVE OAK	SINGLE	29"
6 (X)	LIVE OAK	SINGLE	18"	23	LIVE OAK	SINGLE	16"
7 (X)	LIVE OAK	SINGLE	24"	24	LIVE OAK	SINGLE	14"
8 (X)	LIVE OAK	SINGLE	18"	25	LIVE OAK	2X	16" 14"
9 (X)	LIVE OAK	SINGLE	17"	26	LIVE OAK	SINGLE	25"
10 (X)	LIVE OAK	SINGLE	18"	27	LIVE OAK	SINGLE	18"
11 (X)	LIVE OAK	2X	16" 15"	28	LIVE OAK	SINGLE	21"
12 (X)	LIVE OAK	SINGLE	16"	29	LIVE OAK	SINGLE	19"
13 (X)	LIVE OAK	SINGLE	16"	30	LIVE OAK	SINGLE	14"
14 (X)	LIVE OAK	SINGLE	14"	31	LIVE OAK	SINGLE	12"
15 (X)	LIVE OAK	SINGLE	13"	32	LIVE OAK	SINGLE	13"
16 (X)	LIVE OAK	SINGLE	13"	33	LIVE OAK	SINGLE	12"
17 (X)	LIVE OAK	SINGLE	13"	34	LIVE OAK	2X	13" 6"

TREE LIST			
TAG#	TYPE	CHARACTERISTICS	DIAMETER (INCHES)
35	LIVE OAK	SINGLE	18"
36	LIVE OAK	3X	15" 15" 6"
37	LIVE OAK	SINGLE	14"
38	LIVE OAK	SINGLE	13"
39	LIVE OAK	SINGLE	14"
40	LIVE OAK	SINGLE	18"
41	LIVE OAK	SINGLE	13"
42	LIVE OAK	SINGLE	13"
43	LIVE OAK	SINGLE	19"
44 (X)	LIVE OAK	SINGLE	16"
45 (X)	LIVE OAK	SINGLE	17"
46 (X)	LIVE OAK	SINGLE	21"
47 (X)	LIVE OAK	SINGLE	22"
48 (X)	LIVE OAK	SINGLE	23"
49 (X)	LIVE OAK	SINGLE	16"
50 (X)	LIVE OAK	SINGLE	13"
51 (X)	ELM	SINGLE	13"

TREE LIST			
TAG#	TYPE	CHARACTERISTICS	DIAMETER (INCHES)
52	LIVE OAK	2X	20" 14"
53	LIVE OAK	SINGLE	15"
54	LIVE OAK	SINGLE	12"
55 (X)	PECAN	SINGLE	17"
56 (X)	ELM	SINGLE	13"
57	LIVE OAK	SINGLE	69"
58	LIVE OAK	SINGLE	16"
59	LIVE OAK	SINGLE	12"
60	LIVE OAK	SINGLE	13"
61	LIVE OAK	SINGLE	14"
62	LIVE OAK	SINGLE	15"
63	LIVE OAK	2X	34" 23"
64	LIVE OAK	SINGLE	33"
65	LIVE OAK	SINGLE	18"
66	LIVE OAK	SINGLE	43"
67 (X)	LIVE OAK	SINGLE	14"
68 (X)	LIVE OAK	SINGLE	18"

TREE LIST			
TAG#	TYPE	CHARACTERISTICS	DIAMETER (INCHES)
69 (X)	LIVE OAK	SINGLE	13"
70 (X)	LIVE OAK	SINGLE	13"
71 (X)	LIVE OAK	2X	12" 12"
72 (X)	LIVE OAK	SINGLE	18"
73 (X)	LIVE OAK	SINGLE	17"
74 (X)	LIVE OAK	SINGLE	14"
75 (X)	LIVE OAK	SINGLE	13"
76 (X)	LIVE OAK	SINGLE	13"
77 (X)	LIVE OAK	SINGLE	23"
78 (X)	LIVE OAK	SINGLE	13"
79 (X)	LIVE OAK	SINGLE	19"
80 (X)	LIVE OAK	SINGLE	14"
81 (X)	LIVE OAK	SINGLE	17"
82 (X)	LIVE OAK	SINGLE	19"
83 (X)	LIVE OAK	2X	13" 13"
84 (X)	LIVE OAK	3X	12" 12" 11"
85 (X)	LIVE OAK	SINGLE	17"

TREE LIST			
TAG#	TYPE	CHARACTERISTICS	DIAMETER (INCHES)
86 (X)	LIVE OAK	SINGLE	16"
87 (X)	LIVE OAK	SINGLE	13"
88 (X)	LIVE OAK	SINGLE	15"
89	LIVE OAK	SINGLE	12"
90	LIVE OAK	2X	12" 7"
91 (X)	LIVE OAK	2X	12" 9"
92 (X)	LIVE OAK	SINGLE	14"
93 (X)	LIVE OAK	SINGLE	12"
94 (X)	LIVE OAK	SINGLE	18"
95 (X)	LIVE OAK	SINGLE	16"
96 (X)	LIVE OAK	SINGLE	15"
97 (X)	LIVE OAK	SINGLE	17"
98 (X)	LIVE OAK	SINGLE	16"
99 (X)	LIVE OAK	SINGLE	24"
100 (X)	LIVE OAK	SINGLE	14"

(X) INDICATES TREE TO BE REMOVED

SCALE: 1" = 100'

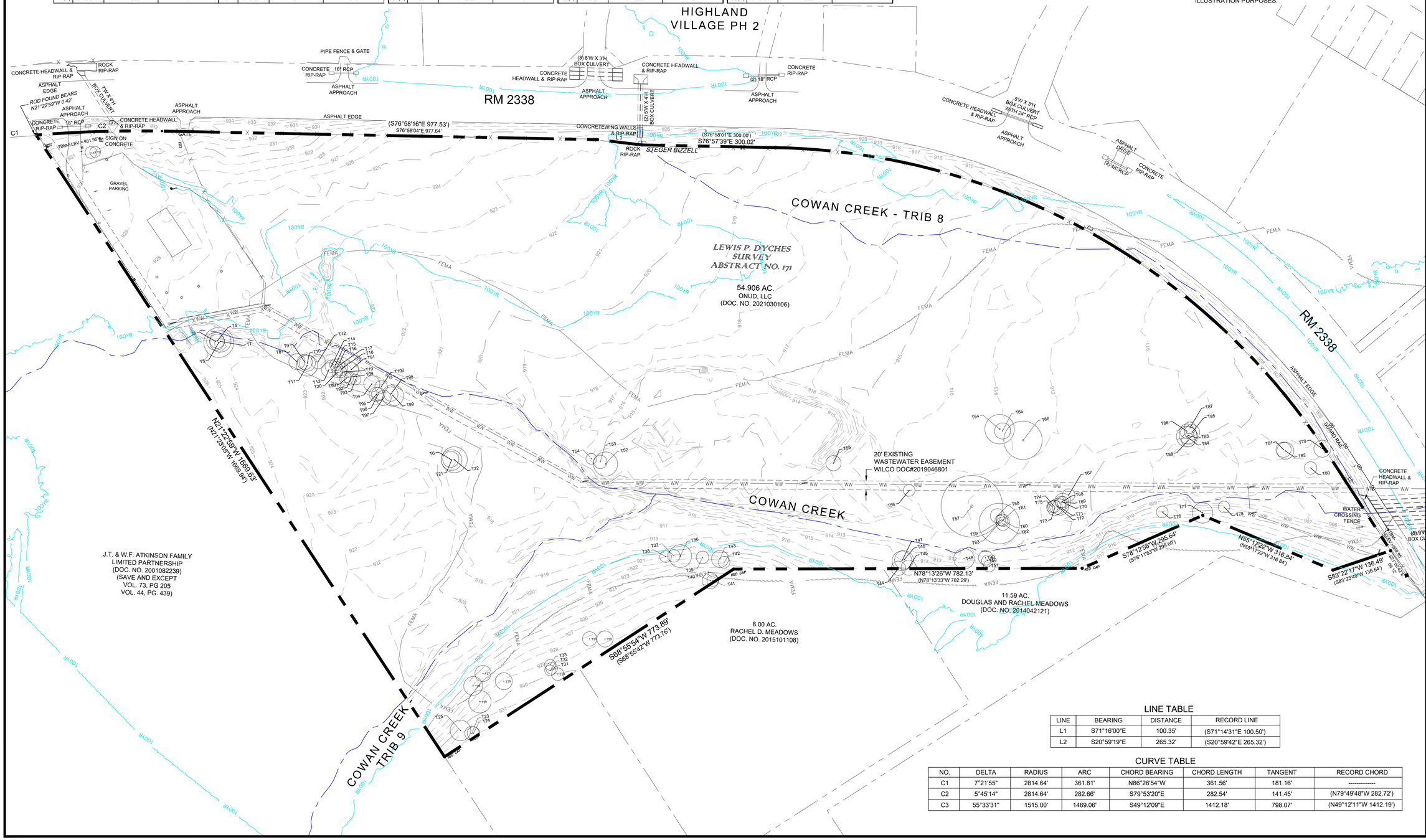
GRAPHIC SCALE IN FEET

0 50' 100' 200'

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.



LINE TABLE			
LINE	BEARING	DISTANCE	RECORD LINE
L1	S71°16'00"E	100.35'	(S71°14'31"E 100.50')
L2	S20°59'19"E	265.32'	(S20°59'42"E 265.32')

CURVE TABLE							
NO.	DELTA	RADIUS	ARC	CHORD BEARING	CHORD LENGTH	TANGENT	RECORD CHORD
C1	7°21'55"	2814.64'	361.81'	N86°26'54"W	361.56'	181.16'	----------
C2	5°45'14"	2814.64'	282.66'	S79°53'20"E	282.54'	141.45'	(N79°49'48"W 282.72')
C3	55°33'31"	1515.00'	1469.06'	S49°12'09"E	1412.18'	798.07'	(N49°12'11"W 1412.19')

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TBPELS FIRM #2946

GRAY ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT
PERMIT

EXISTING CONDITIONS PLAN

PROJECT NO: 1797-12010

DESIGNED BY: WT

DRAWN BY: WT/CB

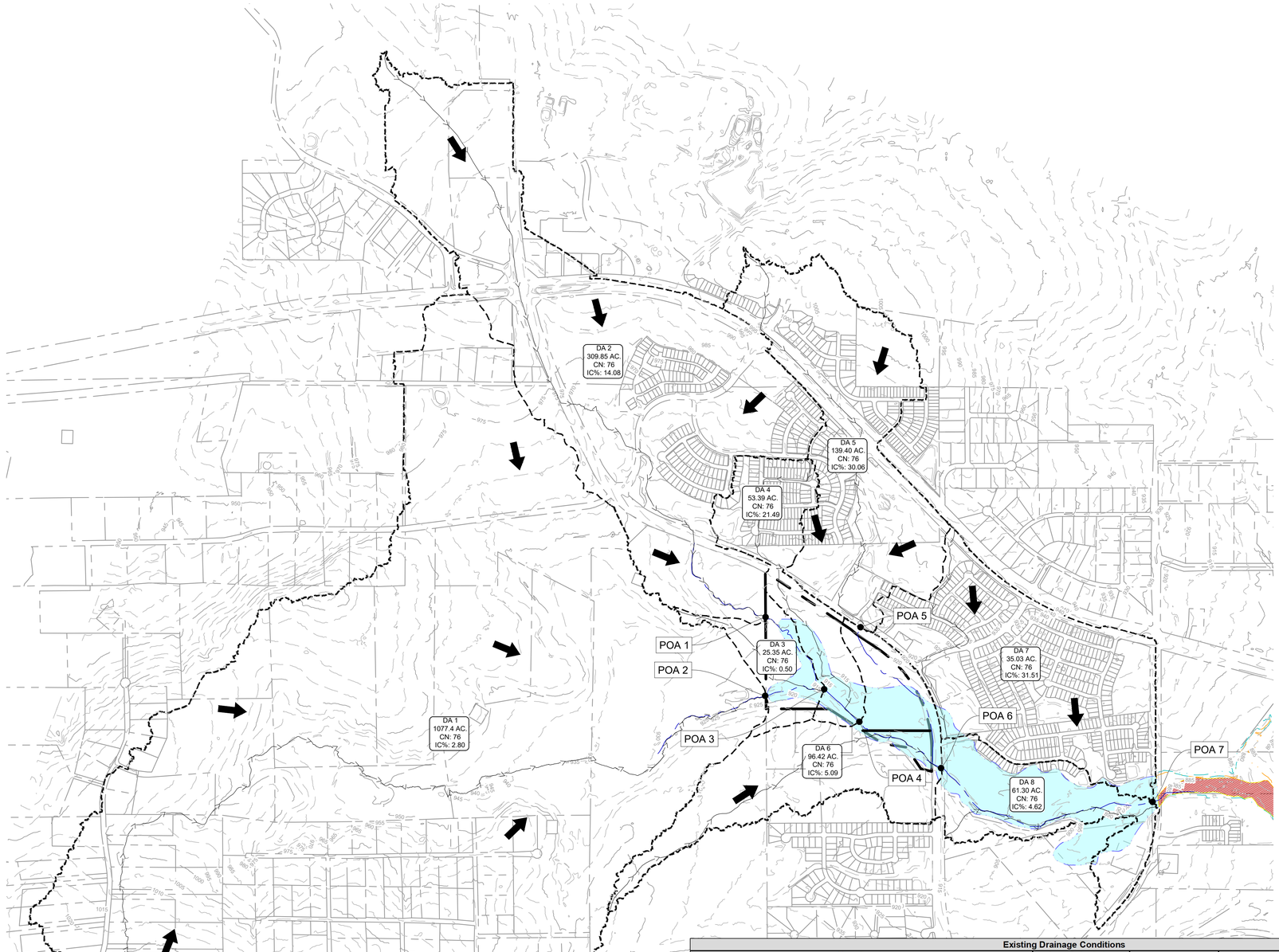
CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED
PROFESSIONAL ENGINEER

SHEET 3 OF 21

H:\PROJECTS\1797 - ONUD, LLC\1210 BURKHART TRACT\CAD\SHEETS\1210-EXIST.DWG DATE: 11/11/2025 1:16:09 PM BY: WTAYLOR



SCALE: 1" = 700'
GRAPHIC SCALE IN FEET
0 350' 700' 1400'

LEGEND

- OVERALL PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- SD SD EXISTING STORM SEWER LINE
- FLOW ARROW
- TIME OF CONCENTRATION
- DRAINAGE AREA BOUNDARY
- XX / XX.XX AC. DRAINAGE AREA LABEL

Existing Drainage Conditions

User Inputs					Auto-Calculation		TOC Calculation	Routing Analysis Inputs			
Contributing Area	Area (sf)	Impervious Cover (sf)	Curve Number (Pervious)	Curve Number (Impervious)	Area (ac)	Impervious Cover (%)	TOC (min)	Area (sq. mi.)	Composite Curve Number	Lag Time	Reach Lag (if required)
DA 1	46,929,694	1,315,787	76	98	1077.36	2.80%	97.41	1.6833711	76.62	58.44	R_POA2_3
DA 2	13,496,875	1,900,904	76	98	309.85	14.08%	77.79	0.4841338	79.10	46.68	R_POA1_3
DA 3	1,104,076	5,520	76	98	25.35	0.50%	43.65	0.0396033	76.11	26.19	R_POA3_4
DA 4	2,325,506	499,744	76	98	53.39	21.49%	49.82	0.0834161	80.73	29.89	R_POA4_6
DA 5	6,072,192	1,825,128	76	98	139.40	30.06%	53.13	0.2178099	82.61	31.88	R_POA5_6
DA 6	4,200,069	213,857	76	98	96.42	5.09%	77.55	0.1506568	77.12	46.53	R_POA6_7
DA 7	6,105,516	1,923,877	76	98	140.16	31.51%	35.03	0.2190052	82.93	21.02	
DA 8	2,670,257	123,280	76	98	61.30	4.62%	36.34	0.0957823	77.02	21.80	

Analysis Point	Q_{100} (cfs)
1	1064
2	3191
3	4272
4	4405
5	605
6	5186
7	5519

Time of Concentration Calculations

Contributing Area	Sheet Flow				Shallow Concentrated Flow (Unpaved)			Shallow Concentrated Flow (Paved)			Pipe/Channel Flow 1		
	Length	Slope (ft/ft)	Roughness Coefficient	T_{sheet}	Length (ft)	Slope (ft/ft)	$T_{unpaved}$	Length (ft)	Slope (ft/ft)	T_{paved}	Length (ft)	Velocity (ft)	$T_{channel}$ (min)
DA 1	200	0.017	0.3	30.57	1624	0.021	11.58			0.00	11107	3.35	55.26
DA 2	200	0.015	0.3	32.14	2636	0.0117	25.17			0.00	6574	5.35	20.48
DA 3	200	0.02	0.3	28.65	1653	0.019	12.39			0.00	395	2.52	2.61
DA 4	200	0.033	0.24	19.61			0.00	662	0.025	3.43	3630	2.26	26.77
DA 5	200	0.015	0.3	32.14	806	0.025	5.27			0.00	4737	5.02	15.73
DA 6	200	0.012	0.3	35.14	2078	0.01	21.47			0.00	2878	2.29	20.95
DA 7	200	0.023	0.24	22.66	605	0.031	3.55	190	0.03	0.90	2380	5.01	7.92
DA 8	200	0.024	0.3	26.63	265	0.0255	1.71			0.00	2685	5.6	7.99

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TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

EXISTING DRAINAGE AREA MAP

PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED
PROFESSIONAL ENGINEER

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CADSHEETS\12010-C-DRAN-E.DWG DATE: 11/11/2025 1:30:31 PM, BY: WTAYLOR

EROSION CONTROL NOTES:

1. IF A DISTURBED AREA IS NOT WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA SHOULD BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING.
2. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE PUBLIC ROADS A MINIMUM OF ONCE DAILY.
3. CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY SEDIMENT TRANSPORTED FROM THE LOC TO WATERWAYS ON-SITE.
4. ALL EQUIPMENT AND SPOILS ARE TO BE REMOVED FROM THE DRAINAGE WAYS AND 100-YEAR FLOODPLAIN NIGHTLY.

SCALE: 1" = 100'
GRAPHIC SCALE IN FEET
0 50' 100' 200'

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- LOC — LIMITS OF CONSTRUCTION
- LOC–SF — LIMITS OF CONSTRUCTION/ SILT FENCE
- SF — SILT FENCE
- TEMPORARY ROCK BERM
- CONSTRUCTION ENTRANCE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- TP — TREE PROTECTION FENCING

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.

HIGHLAND VILLAGE PH 2

RM 2338

COWAN CREEK - TRIB 9

COWAN CREEK

COWAN CREEK - TRIB 8

STABILIZED CONSTRUCTION ENTRANCE

CONCRETE WASHOUT AREA

STAGING & STORAGE AREA

±60 LF OF TEMPORARY ROCK BERM

±1,694 LF OF SILT FENCE

±180 LF OF TEMPORARY ROCK BERM

±210 LF OF TEMPORARY ROCK BERM

20' EXISTING WASTEWATER EASEMENT WILCO DOC#2019046801

54.906 AC.
ONUD, LLC
(DOC. NO. 2021030106)

J.T. & W.F. ATKINSON FAMILY LIMITED PARTNERSHIP
(DOC. NO. 2001082239)
(SAVE AND EXCEPT
VOL. 73, PG 205
VOL. 44, PG. 439)

8.00 AC.
RACHEL D. MEADOWS
(DOC. NO. 2015101108)

11.59 AC.
DOUGLAS AND RACHEL MEADOWS
(DOC. NO. 2014042121)

LEWIS & DYCHES SURVEY
TRACT NO. 71

N78°13'26"W 782.13'
(N78°13'35"W 782.29')

S68°55'54"W 773.89'
(S68°55'42"W 773.76')

N21°22'59"W 1069.03'
(N21°23'08"W 1068.94')

S76°58'04"E 872.04'

8834 N. Capital of Texas Hwy.
Suite 140
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(512)452-0371
FAX(512)454-9933
TBPELS FIRM #2946

GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

EROSION & SEDIMENTATION CONTROL PLAN

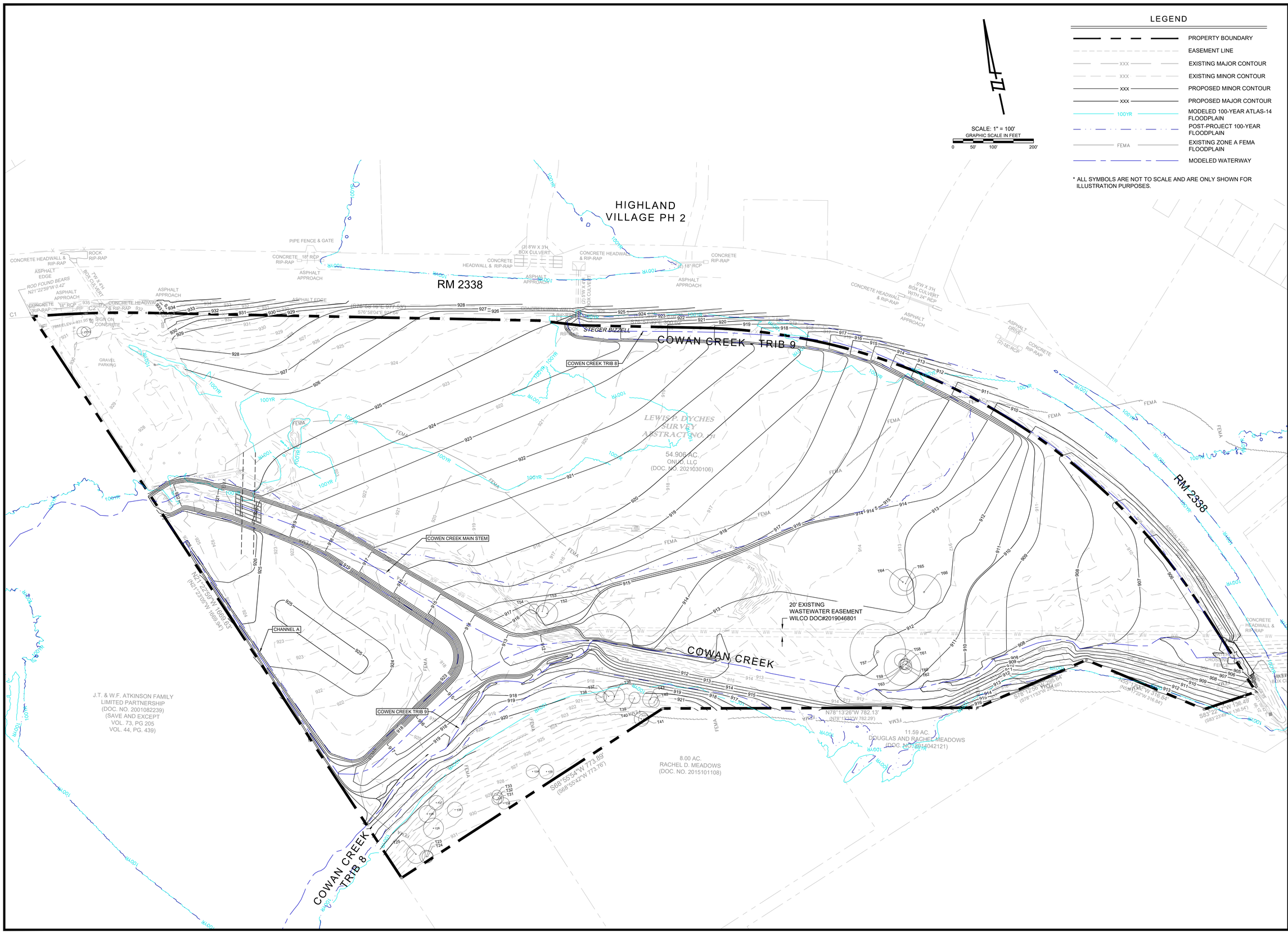
PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142630
LICENSED PROFESSIONAL ENGINEER

SHEET 5 OF 21

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-EROS.DWG DATE: 11/11/2025 1:30:46 PM BY: WTAYLOR



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FAX(512)454-9933
TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

OVERALL GRADING PLAN

PROJECT NO: 1797-12010

DESIGNED BY: WT

DRAWN BY: WT/CB

CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED
PROFESSIONAL ENGINEER

SHEET 6 OF 21

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-GRAD-O.DWG DATE: 11/11/2025 1:30:56 PM BY: WTAYLOR

HIGHLAND VILLAGE PH 2

RM 2338

CONCRETE HEADWALL & RIP-RAP
ROCK RIP-RAP
ASPHALT EDGE
ROD FOUND BEARS N21°22'59"W 0.42'
ASPHALT APPROACH
7'W X 4'H BOX CULVERT
CONCRETE RIP-RAP
18" RCP
C2
CONCRETE HEADWALL & RIP-RAP
ASPHALT APPROACH
C1
TBM ELEV = 931.95'
SIGN ON CONCRETE
GRAVEL PARKING
PIPE FENCE & GATE
CONCRETE RIP-RAP
18" RCP
ASPHALT APPROACH
CONCRETE HEADWALL & RIP-RAP
ASPHALT EDGE
(S76°58'16"E 977.53')
S76°58'04"E 977.64'
MATCH LINE (SEE SHEET 8)
PROPOSED CULVERT CROSSING - SEE SHEET 20
924.96 TOP
926.00 TOP
922.00 TOE
924.84 TOP
922.00 TOE
921.00 TOE
924.00 TOP
923.00 TOP
922.00 TOE
921.00 TOE
926.00 TOP
925.75 TOP
919.00 TOE
922.00 TOP
926.00 TOP
919.00 TOE
918.01 TOE
926.33 TOP
926.30 TOE
924.00 TOP
921.00 TOP
918.00 TOE
926.48 TOP
925.00 TOE
CHANNEL A
917.00 TOE
COWEN CREEK MAIN STEM
922.93 TOP
920.00 TOP
916.00 TOE
20' EXISTING WASTEWATER EASEMENT WILCO DOC#2019046801
926.03 TOP
926.01 TOE
923.00 TOP
919.00 TOP
915.00 TOE
925.83 TOP
923.98 TOE
916.00 TOE
923.00 TOP
N21°22'59"W
(N21°22'59"W)
MATCH LINE (SEE SHEET 9)
MATCH LINE (SEE SHEET 8)

SCALE: 1" = 50'
GRAPHIC SCALE IN FEET
0 25' 50' 100'

LEGEND

	PROPERTY BOUNDARY
	EASEMENT LINE
XXX	EXISTING MAJOR CONTOUR
XXX	EXISTING MINOR CONTOUR
XXX	PROPOSED MINOR CONTOUR
XXX	PROPOSED MAJOR CONTOUR
100YR	MODELED 100-YEAR ATLAS-14 FLOODPLAIN
	POST-PROJECT 100-YEAR FLOODPLAIN
FEMA	EXISTING ZONE A FEMA FLOODPLAIN
	MODELED WATERWAY
EG	EXISTING GROUND
FG	FINISHED GROUND

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.

KEY MAP

NOTES:

1. ALL FILL AREAS DEPICTED SHOULD BE COMPACTED TO 95% PROCTOR DENSITY

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TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

DETAILED GRADING PLAN 1 OF 5

PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

NOTICE:
ALTERATION OF A SEALED DRAWING WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS A VIOLATION OF THE TEXAS ENGINEERING PRACTICE ACT.

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED PROFESSIONAL ENGINEER

SHEET 7 OF 21

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-GRAD.DWG DATE: 11/11/2025 1:31:10 PM BY: WTAYLOR

HIGHLAND VILLAGE PH 2

) 8'W X 3'H
X CULVERT

CONCRETE HEADWALL & RIP-RAP

CONCRETE RIP-RAP

(2) 18" RCP

ASPHALT APPROACH

ASPHALT APPROACH

(2) 5'W X 4'H BOX CULVERT

RM 2338

5'W X 3'H BOX CULVERT WITH 24" RCP

CONCRETE HEADWALL & RIP-RAP

ASPHALT APPROACH

ASPHALT DRIVE

(2) 18" RCP

CONCRETE RIP-RAP

ONCRETEWING WALLS & RIP-RAP

STEGER BIZZELL

(S76°58'01"E 300.00')
S76°57'39"E 300.02'

COWEN CREEK TRIB 8

LEWIS P. DYCHES SURVEY ABSTRACT NO. 171

54.906 AC.
ONUD, LLC
(DOC. NO. 2021030106)

MATCH LINE (SEE SHEET 10)

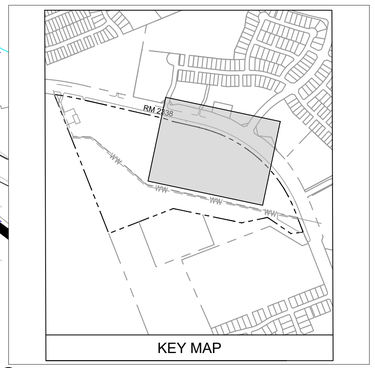
MATCH LINE (SEE SHEET 11)

SCALE: 1" = 50'
GRAPHIC SCALE IN FEET
0 25' 50' 100'

LEGEND

	PROPERTY BOUNDARY
	EASEMENT LINE
XXX	EXISTING MAJOR CONTOUR
XXX	EXISTING MINOR CONTOUR
XXX	PROPOSED MINOR CONTOUR
XXX	PROPOSED MAJOR CONTOUR
100YR	MODELED 100-YEAR ATLAS-14 FLOODPLAIN
	POST-PROJECT 100-YEAR FLOODPLAIN
FEMA	EXISTING ZONE A FEMA FLOODPLAIN
	MODELED WATERWAY
EG	EXISTING GROUND
FG	FINISHED GROUND

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.



KEY MAP

NOTES:

1. ALL FILL AREAS DEPICTED SHOULD BE COMPACTED TO 95% PROCTOR DENSITY

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GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

DETAILED GRADING PLAN 2 OF 5

PROJECT NO: 1797-12010

DESIGNED BY: WT

DRAWN BY: WT/CB

CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED
PROFESSIONAL ENGINEER

SHEET 8 OF 21

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-GRAD.DWG DATE: 11/11/2025 1:31:12 PM BY: WTAYLOR

MATCH LINE (SEE SHEET 7)

J.T. & W.F. ATKINSON FAMILY
LIMITED PARTNERSHIP
(DOC. NO. 2001082239)
(SAVE AND EXCEPT
VOL. 73, PG 205
VOL. 44, PG. 439)

CHANNEL A

COWEN CREEK MAIN STEM

COWEN CREEK TRIB 9

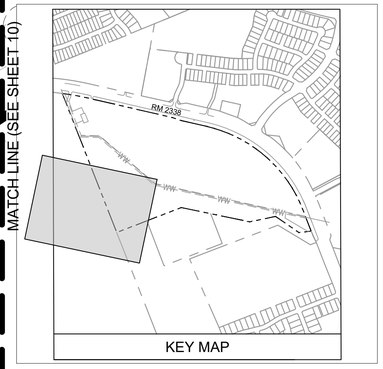
MATCH LINE (SEE SHEET 10)

SCALE: 1" = 50'
GRAPHIC SCALE IN FEET
0 25' 50' 100'

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY
- EG — EXISTING GROUND
- FG — FINISHED GROUND

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.



NOTES:

1. ALL FILL AREAS DEPICTED SHOULD BE COMPACTED TO 95% PROCTOR DENSITY

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GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

DETAILED GRADING PLAN 3 OF 5

PROJECT NO: 1797-12010

DESIGNED BY: WT

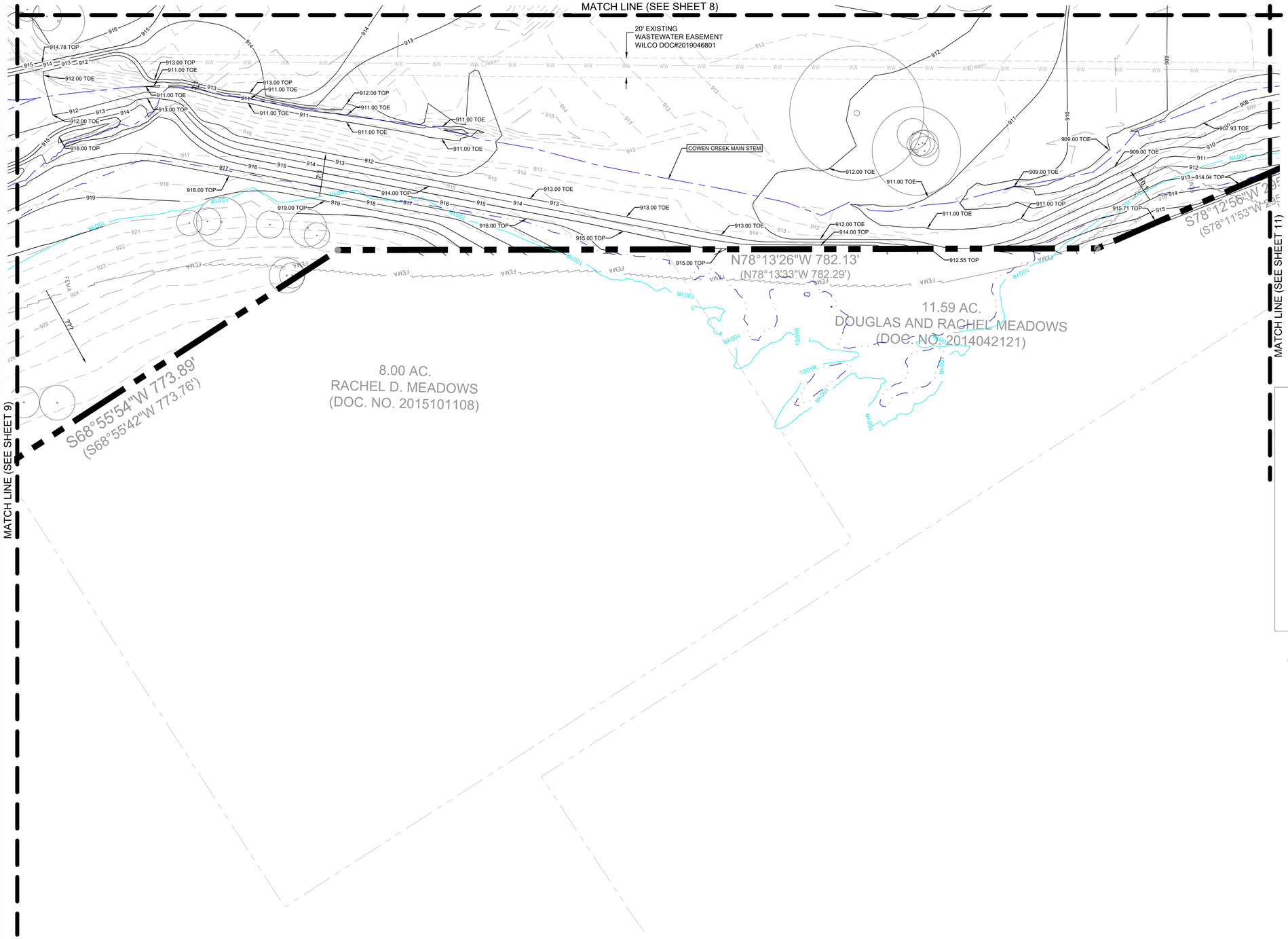
DRAWN BY: WT/CB

CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142630
LICENSED
PROFESSIONAL ENGINEER

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-GRAD.DWG DATE: 11/11/2025 1:31:14 PM BY: WTAYLOR

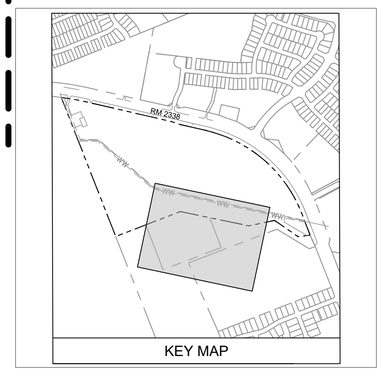


SCALE: 1" = 50'
GRAPHIC SCALE IN FEET
0 25' 50' 100'

LEGEND

	PROPERTY BOUNDARY
	EASEMENT LINE
XXX	EXISTING MAJOR CONTOUR
XXX	EXISTING MINOR CONTOUR
XXX	PROPOSED MINOR CONTOUR
XXX	PROPOSED MAJOR CONTOUR
100YR	MODELED 100-YEAR ATLAS-14 FLOODPLAIN
	POST-PROJECT 100-YEAR FLOODPLAIN
FEMA	EXISTING ZONE A FEMA FLOODPLAIN
	MODELED WATERWAY
EG	EXISTING GROUND
FG	FINISHED GROUND

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.



NOTES:

1. ALL FILL AREAS DEPICTED SHOULD BE COMPACTED TO 95% PROCTOR DENSITY

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GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

DETAILED GRADING PLAN 4 OF 5

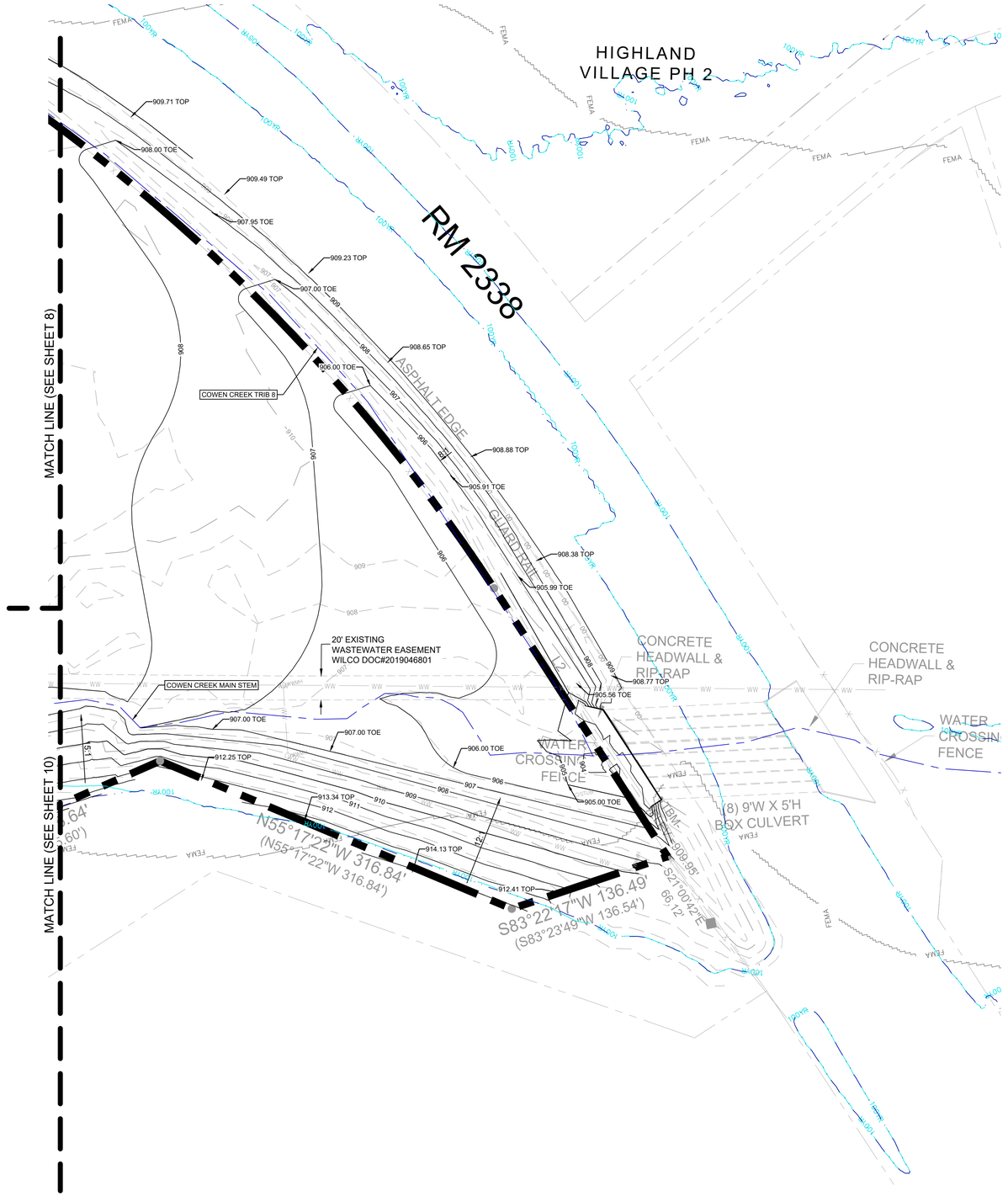
PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142650
LICENSED
PROFESSIONAL ENGINEER

SHEET 10 OF 21

H:\PROJECTS\1797 - ONUD, LLC\2010 BURKHART TRACT\CAD\SHEETS\2010-GRAD.DWG DATE: 11/11/2025 1:31:15 PM BY: WTAYLOR

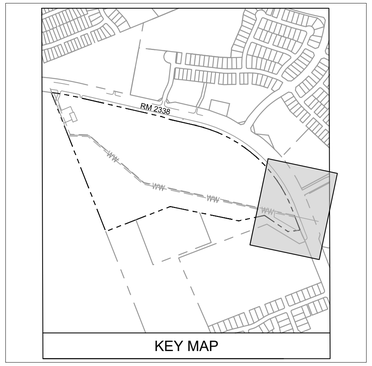


SCALE: 1" = 50'
GRAPHIC SCALE IN FEET
0 25' 50' 100'

LEGEND

	PROPERTY BOUNDARY
	EASEMENT LINE
XXX	EXISTING MAJOR CONTOUR
XXX	EXISTING MINOR CONTOUR
XXX	PROPOSED MINOR CONTOUR
XXX	PROPOSED MAJOR CONTOUR
100YR	MODELED 100-YEAR ATLAS-14 FLOODPLAIN
	POST-PROJECT 100-YEAR FLOODPLAIN
FEMA	EXISTING ZONE A FEMA FLOODPLAIN
	MODELED WATERWAY
EG	EXISTING GROUND
FG	FINISHED GROUND

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.



NOTES:

1. ALL FILL AREAS DEPICTED SHOULD BE COMPACTED TO 95% PROCTOR DENSITY

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GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

DETAILED GRADING PLAN 5 OF 5

PROJECT NO: 1797-12010

DESIGNED BY: WT

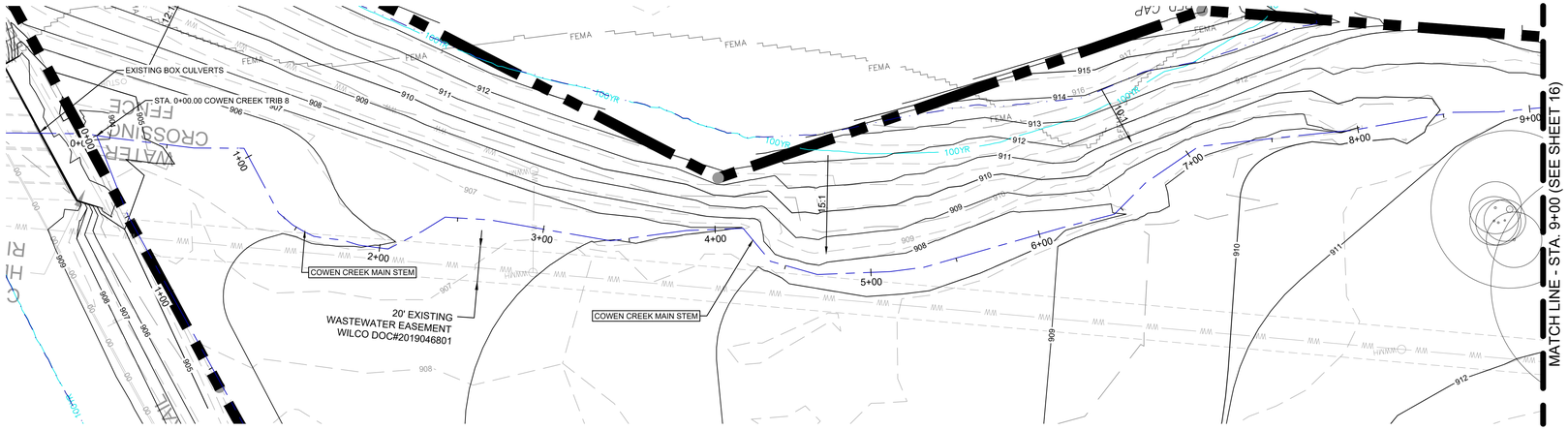
DRAWN BY: WT/CB

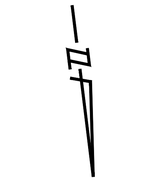
CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED
PROFESSIONAL ENGINEER

SHEET 11 OF 21





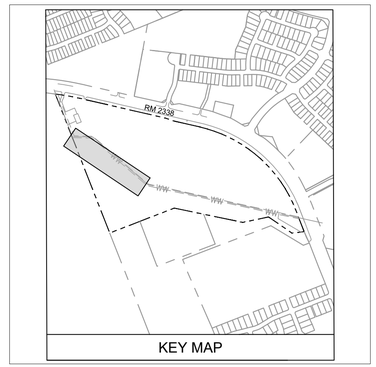
LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.

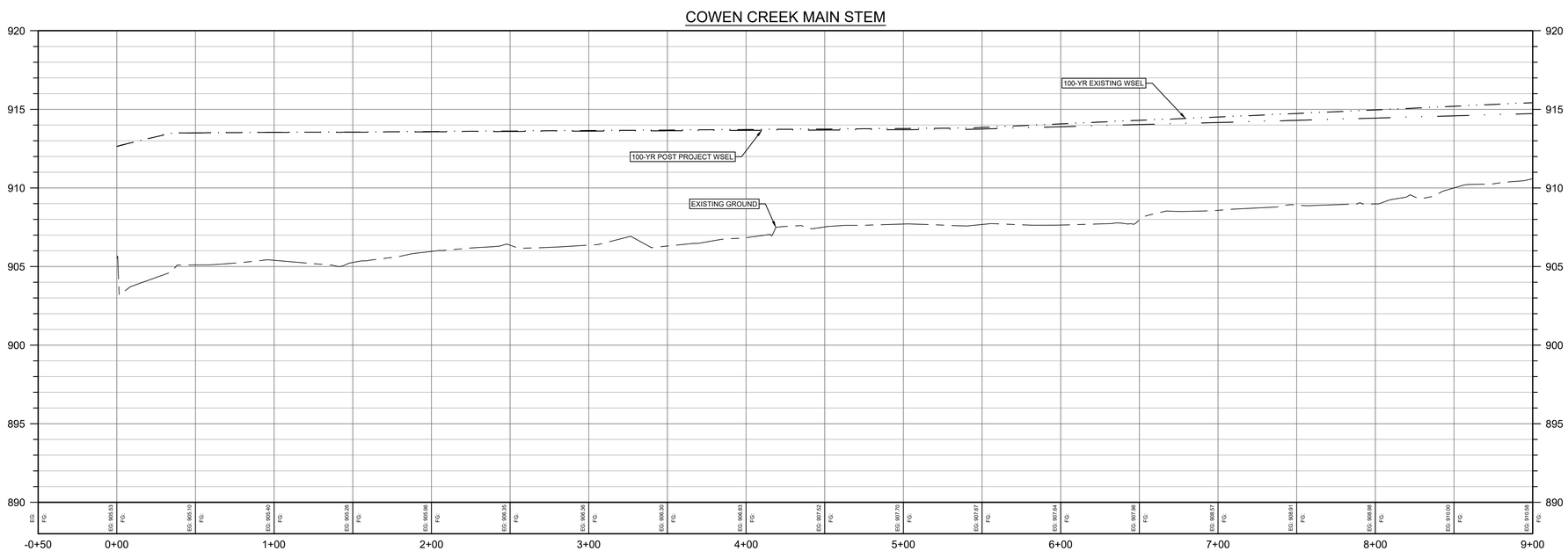
PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

PROFILE LEGEND
PROPOSED FINISHED GRADE
TOP OF CHANNEL LEFT & RIGHT
EXISTING GRADE



NOTES:

1. REFER TO ASSOCIATED "HYDROLOGIC & HYDRAULIC STUDY OF COWAN CREEK AND ASSOCIATED TRIBUTARIES" REPORT FOR DETAILED HYDRAULIC CALCULATIONS



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FAX(512)454-9933
TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

COWEN CREEK MAIN STEM PLAN & PROFILE
STA. 0+00 - 9+00

PROJECT NO: 1797-12010

DESIGNED BY: WT

DRAWN BY: WT/CB

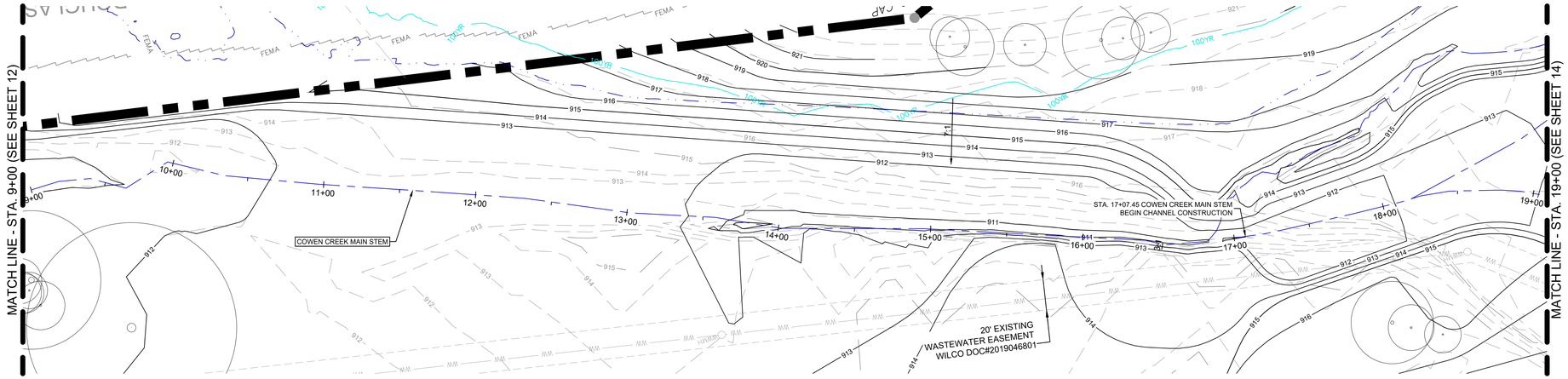
CHECKED BY: BW/CO

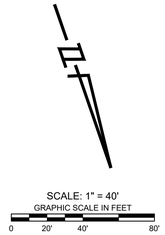
11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142630
LICENSED
PROFESSIONAL ENGINEER

SHEET 12 OF 21

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-CHANNELS.DWG DATE: 11/11/2025 1:31:37 PM BY: WTAYLOR

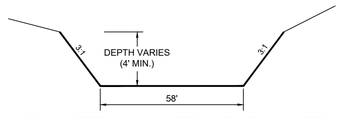




LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

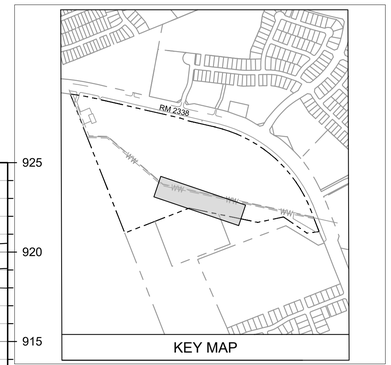
* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.



COWEN CREEK MAIN STEM SECTION DETAIL
N.T.S.

PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

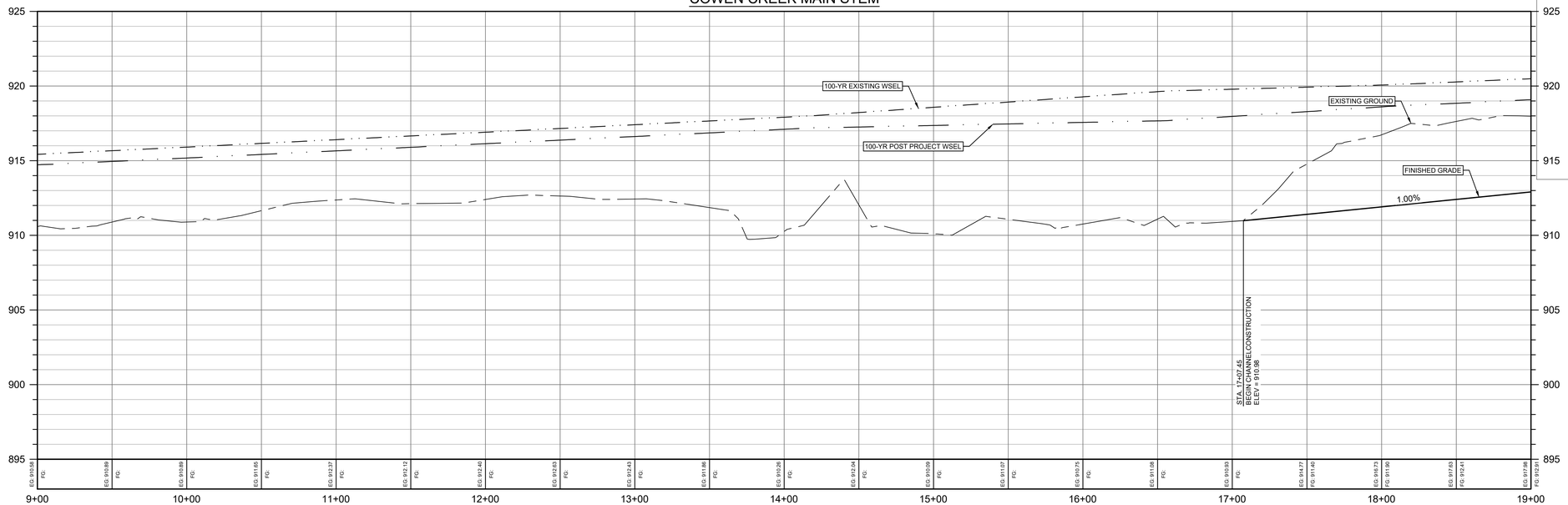
PROFILE LEGEND	
PROPOSED FINISHED GRADE	
TOP OF CHANNEL LEFT & RIGHT	
EXISTING GRADE	



NOTES:

1. REFER TO ASSOCIATED "HYDROLOGIC & HYDRAULIC STUDY OF COWAN CREEK AND ASSOCIATED TRIBUTARIES" REPORT FOR DETAILED HYDRAULIC CALCULATIONS

COWEN CREEK MAIN STEM



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Austin, Texas 78759
(512)452-0371
FAX(512)454-9933
TBPELS FIRM #2946
GRAY ENGINEERING

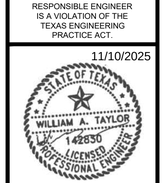
NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

COWEN CREEK MAIN STEM PLAN & PROFILE
STA. 9+00 - 19+00

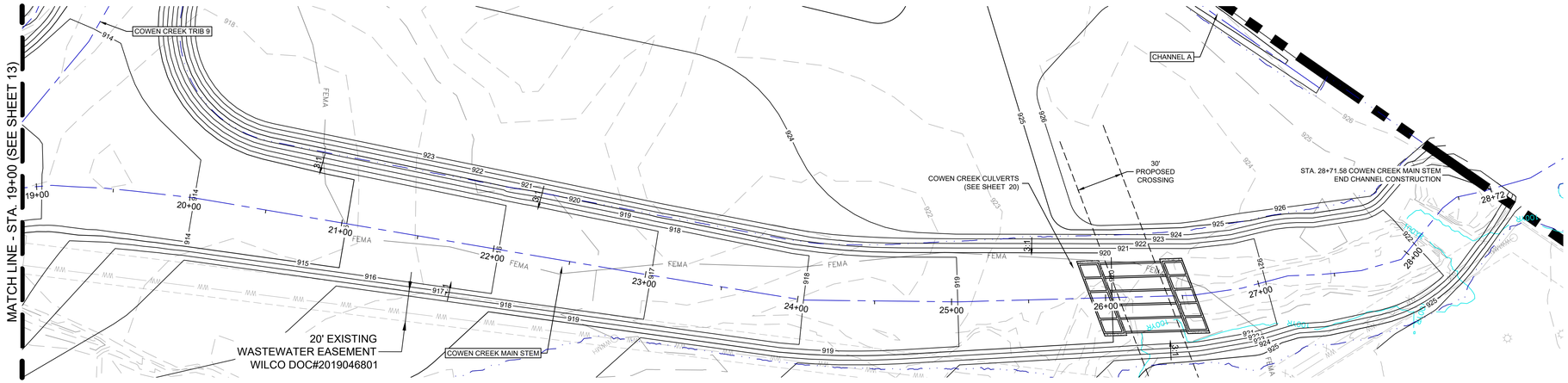
PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

11/10/2025



SHEET 13 OF 21

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-CHANNELS.DWG DATE: 11/11/2025 1:31:40 PM BY: WTAYLOR

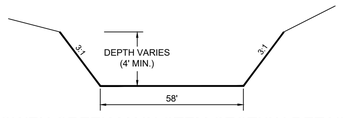


SCALE: 1" = 40'
GRAPHIC SCALE IN FEET
0 20' 40' 80'

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

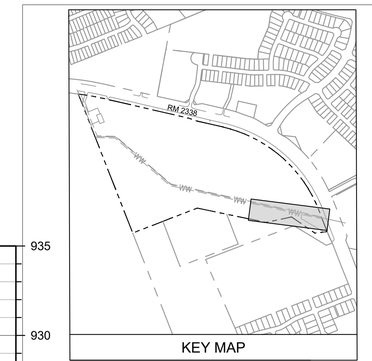
* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.



COWEN CREEK MAIN STEM SECTION DETAIL
N.T.S.

PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

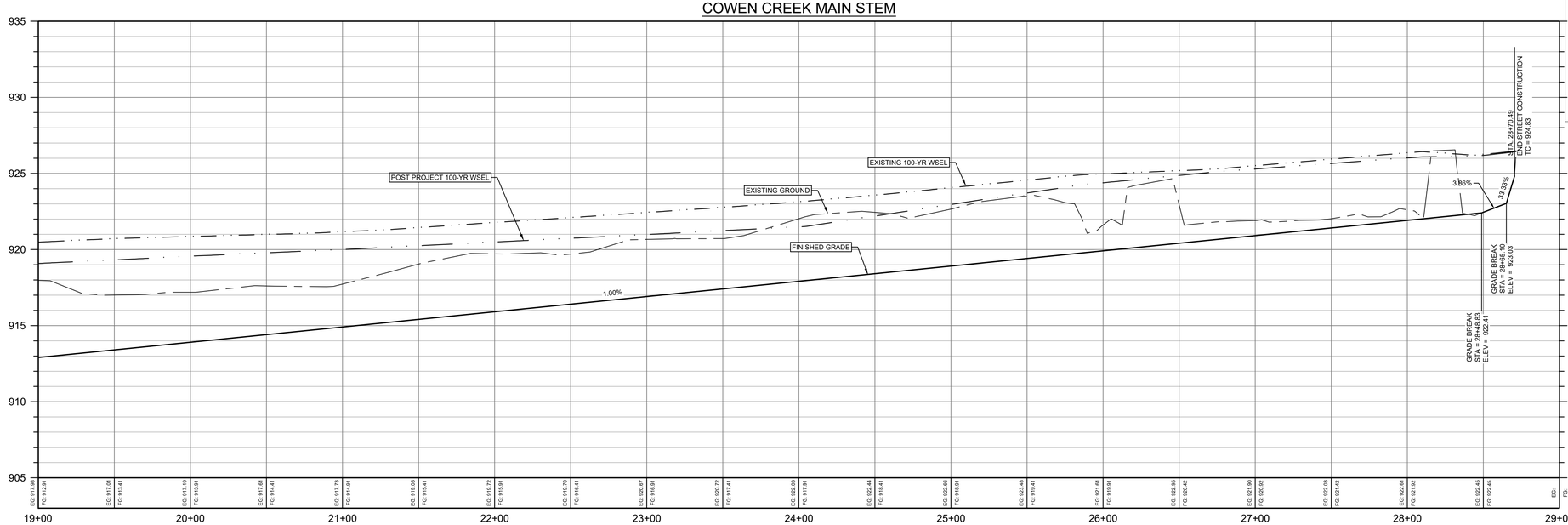
PROFILE LEGEND
PROPOSED FINISHED GRADE
TOP OF CHANNEL LEFT & RIGHT
EXISTING GRADE



NOTES:

1. REFER TO ASSOCIATED "HYDROLOGIC & HYDRAULIC STUDY OF COWAN CREEK AND ASSOCIATED TRIBUTARIES" REPORT FOR DETAILED HYDRAULIC CALCULATIONS

COWEN CREEK MAIN STEM



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Austin, Texas 78759
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TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

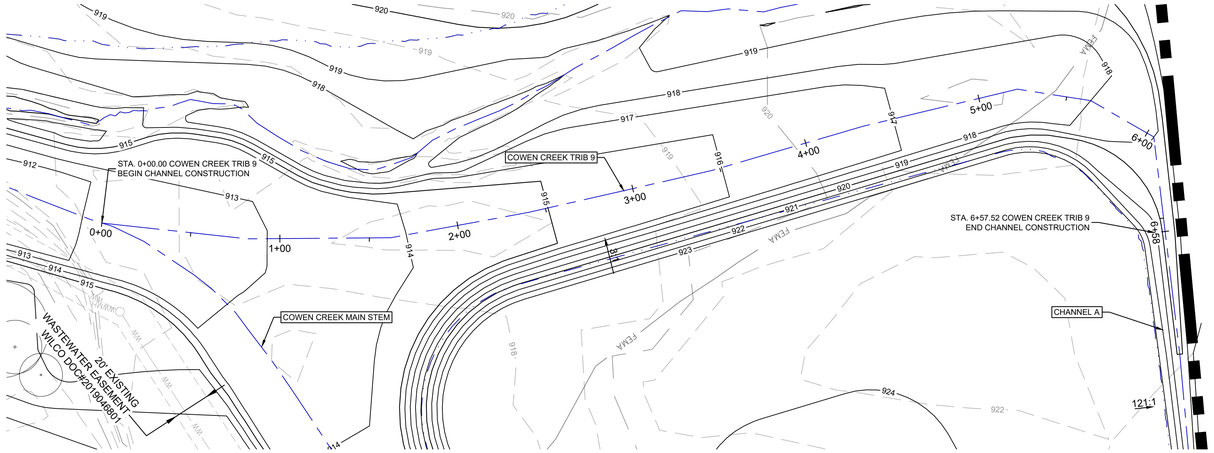
COWEN CREEK MAIN STEM PLAN & PROFILE
STA. 19+00 - END

PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142630
LICENSED PROFESSIONAL ENGINEER

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-CHANNELS.DWG DATE: 11/11/2025 1:31:42 PM BY: WTAYLOR



SCALE: 1" = 40'
GRAPHIC SCALE IN FEET
0 20' 40' 80'

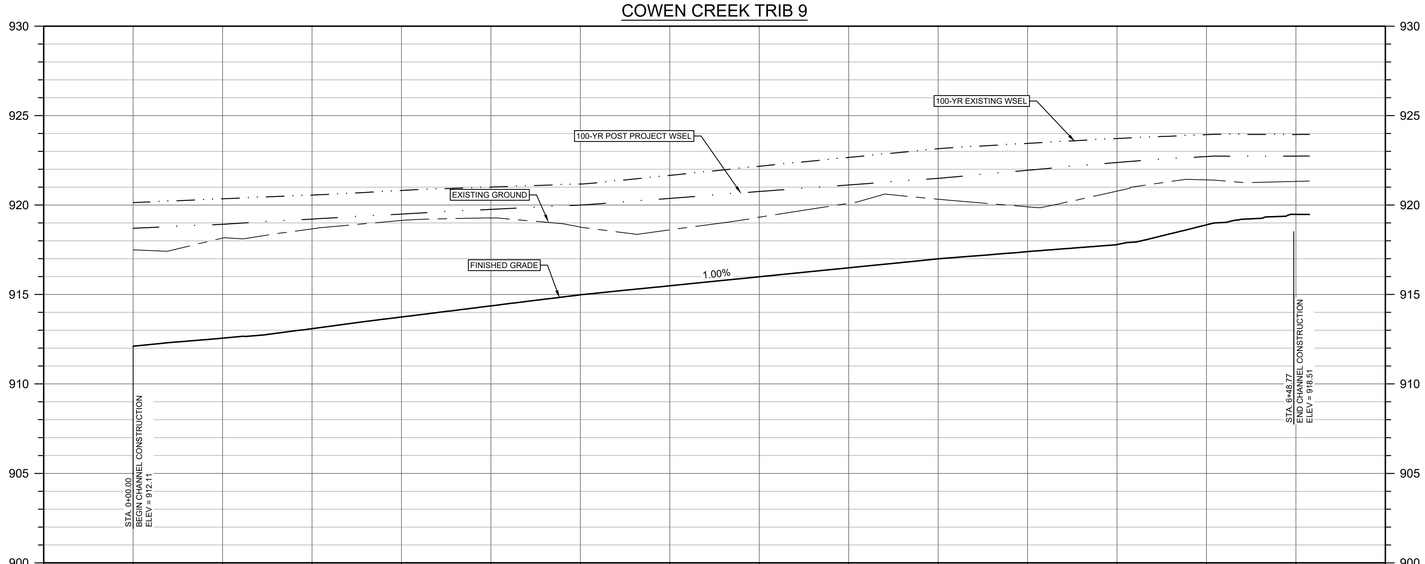
LEGEND

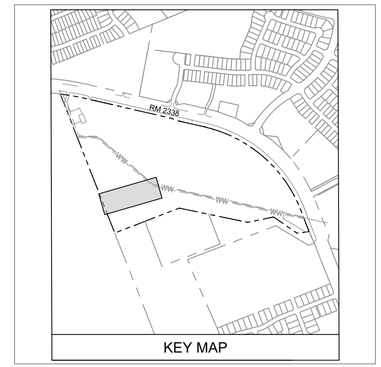
- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- xxx — PROPOSED MINOR CONTOUR
- xxx — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.

PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

PROFILE LEGEND	
PROPOSED FINISHED GRADE	
TOP OF CHANNEL LEFT & RIGHT	
EXISTING GRADE	





NOTES:

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Suite 140
Austin, Texas 78759
(512)452-0371
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GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

COWEN CREEK TRIB 9 PLAN & PROFILE

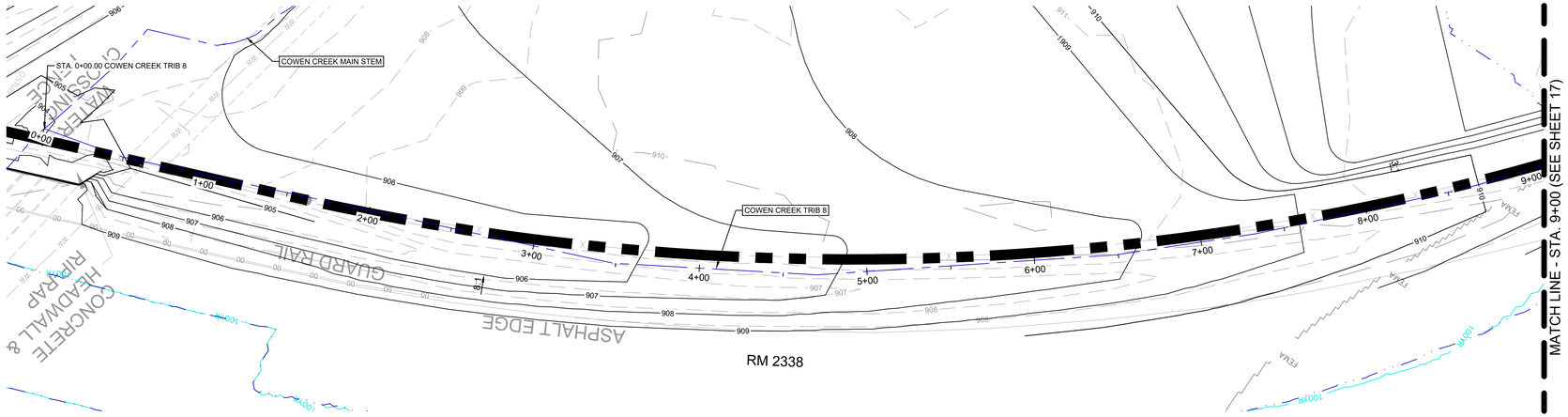
PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

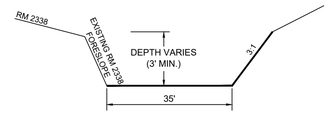
11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142630
LICENSED PROFESSIONAL ENGINEER

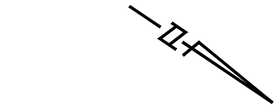
SHEET 15 OF 21

H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-CHANNELS.DWG DATE: 11/11/2025 1:31:45 PM BY: WTAYLOR





COWEN CREEK TRIB 8 SECTION DETAIL
N.T.S.



LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- xxx — PROPOSED MINOR CONTOUR
- xxx — PROPOSED MAJOR CONTOUR
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- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

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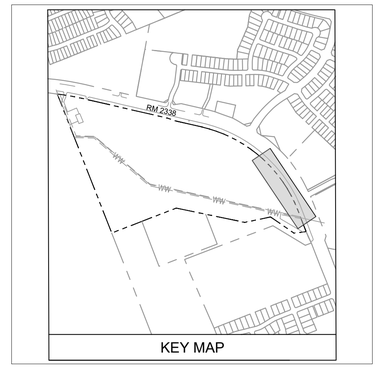
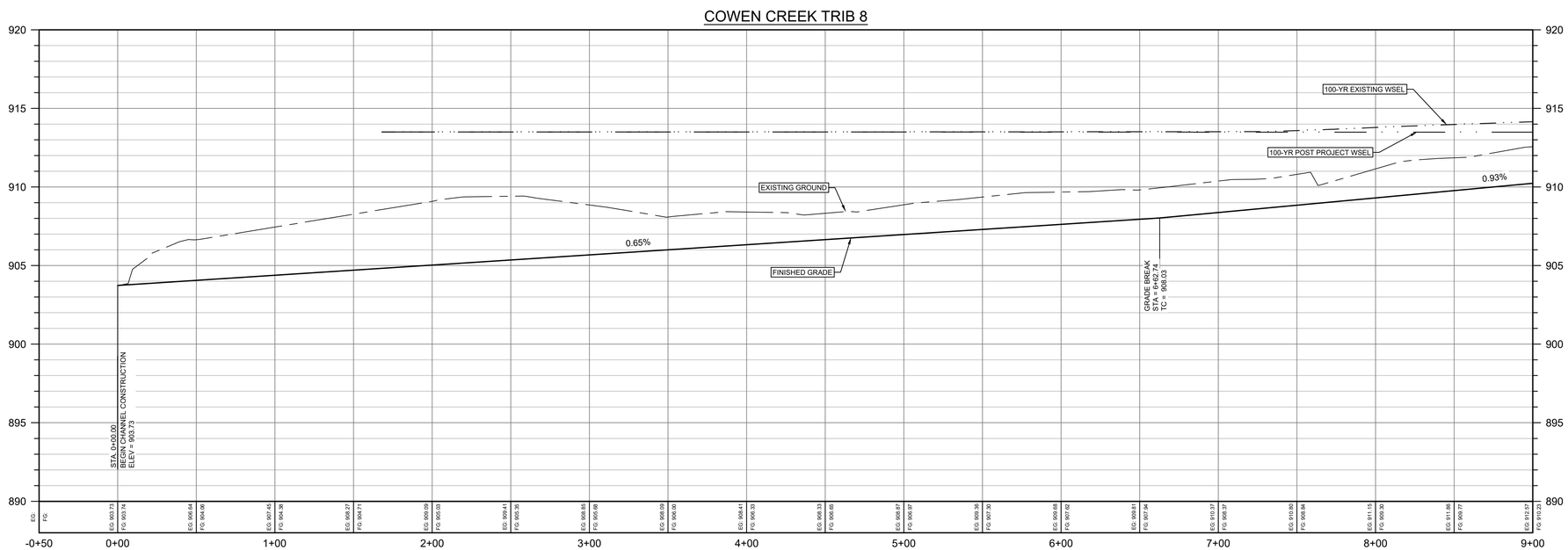
PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

PROFILE LEGEND	
PROPOSED FINISHED GRADE	
TOP OF CHANNEL LEFT & RIGHT	
EXISTING GRADE	



NOTES:

1. REFER TO ASSOCIATED "HYDROLOGIC & HYDRAULIC STUDY OF COWAN CREEK AND ASSOCIATED TRIBUTARIES" REPORT FOR DETAILED HYDRAULIC CALCULATIONS



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TBPELS FIRM #2946
GRAY ENGINEERING

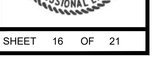
NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

COWEN CREEK TRIB 8 PLAN & PROFILE STA. 0+00 - 9+00

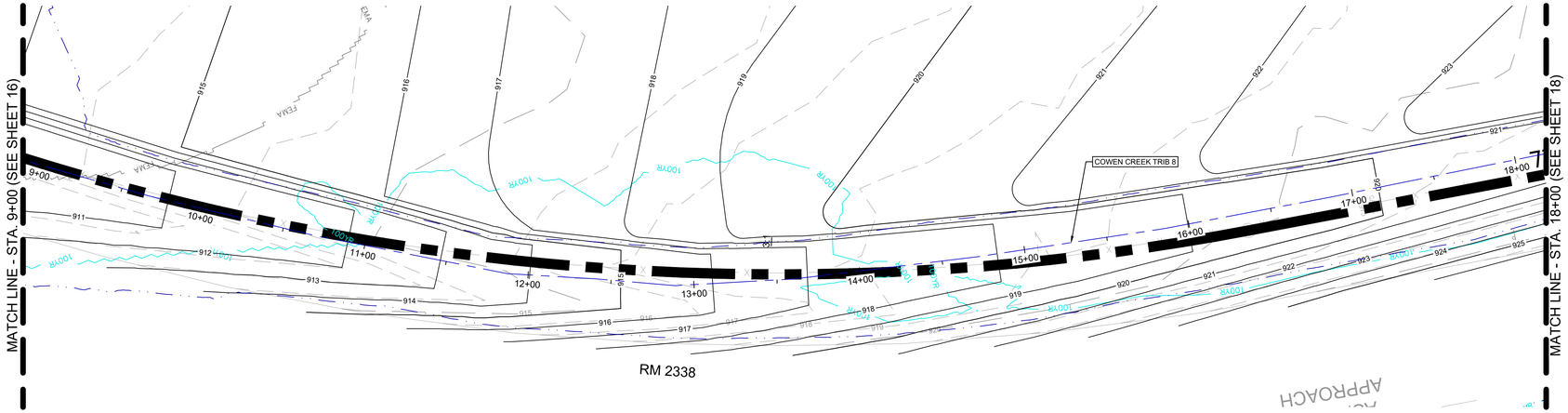
PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

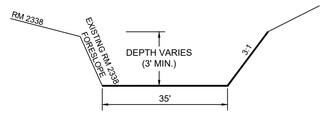
11/10/2025



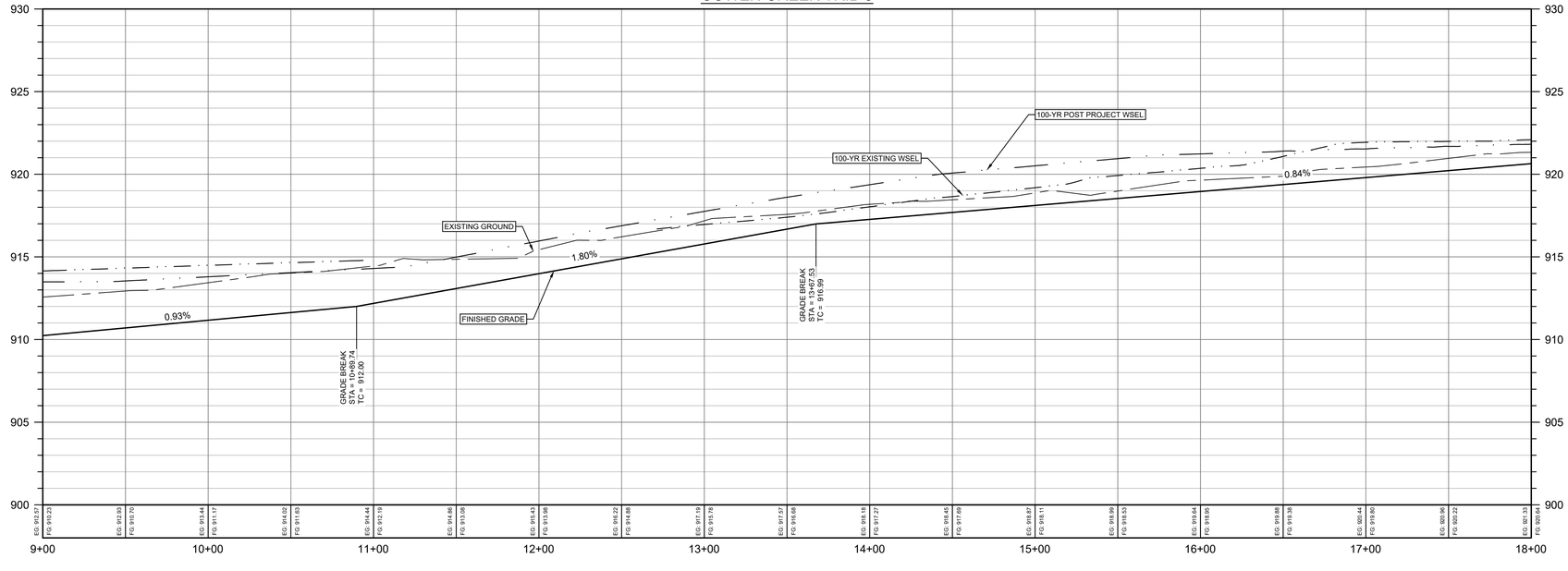
SHEET 16 OF 21

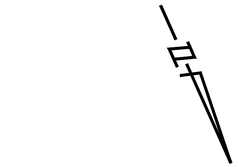
H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-CHANNELS.DWG DATE: 11/11/2025 1:31:47 PM BY: WTAYLOR





COWEN CREEK TRIB 8 SECTION DETAIL
N.T.S.





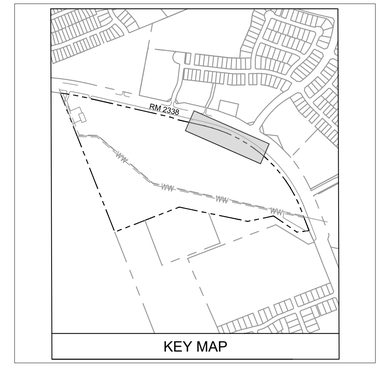
LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

* ALL SYMBOLS ARE NOT TO SCALE AND ARE ONLY SHOWN FOR ILLUSTRATION PURPOSES.

PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

PROFILE LEGEND
PROPOSED FINISHED GRADE
TOP OF CHANNEL LEFT & RIGHT
EXISTING GRADE



NOTES:

1. REFER TO ASSOCIATED "HYDROLOGIC & HYDRAULIC STUDY OF COWAN CREEK AND ASSOCIATED TRIBUTARIES" REPORT FOR DETAILED HYDRAULIC CALCULATIONS

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FAX(512)454-9933
TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

COWEN CREEK TRIB 8 PLAN & PROFILE STA 9+00 - 18+00

PROJECT NO: 1797-12010

DESIGNED BY: WT

DRAWN BY: WT/CB

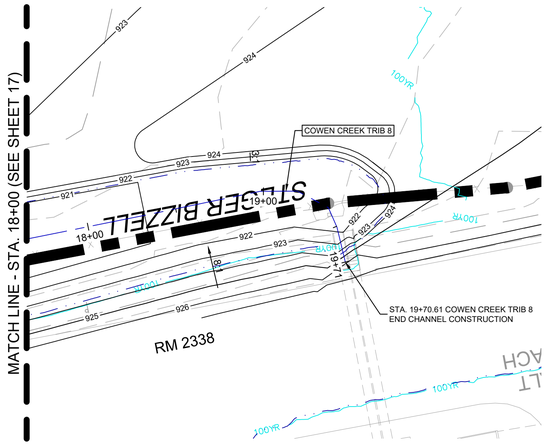
CHECKED BY: BW/CO

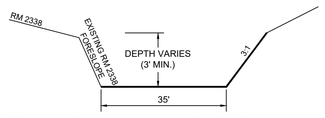
11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142830
LICENSED
PROFESSIONAL ENGINEER

SHEET 17 OF 21

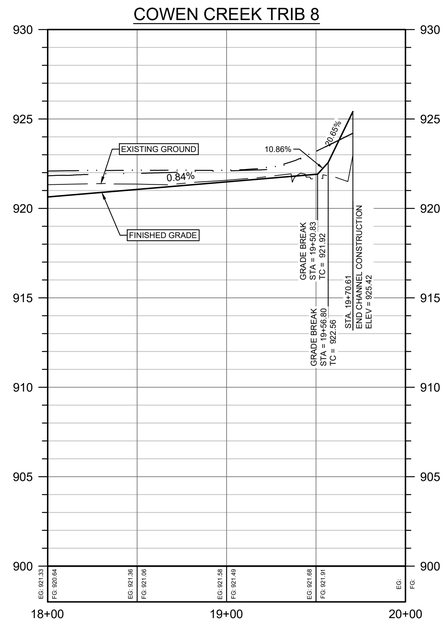
H:\PROJECTS\1797 - ONUD, LLC\12010 BURKHART TRACT\CAD\SHEETS\12010-CHANNELS.DWG DATE: 11/11/2025 1:31:49 PM BY: WTAYLOR





COWEN CREEK TRIB 8 SECTION DETAIL

N.T.S.



SCALE: 1" = 40'

GRAPHIC SCALE IN FEET

0 20' 40' 80'

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
- POST-PROJECT 100-YEAR FLOODPLAIN
- FEMA — EXISTING ZONE A FEMA FLOODPLAIN
- MODELED WATERWAY

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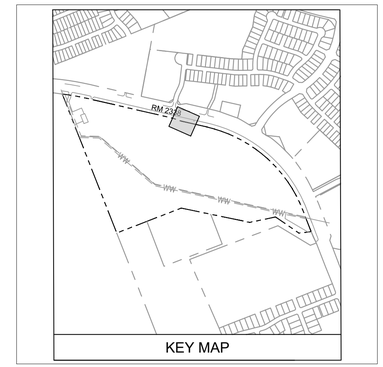
PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

PROFILE LEGEND	
PROPOSED FINISHED GRADE	
TOP OF CHANNEL LEFT & RIGHT	
EXISTING GRADE	



NOTES:

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TBPELS FIRM #2946

GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

COWEN CREEK TRIB 8 PLAN & PROFILE STA. 18+00 - END

PROJECT NO: 1797-12010

DESIGNED BY: WT

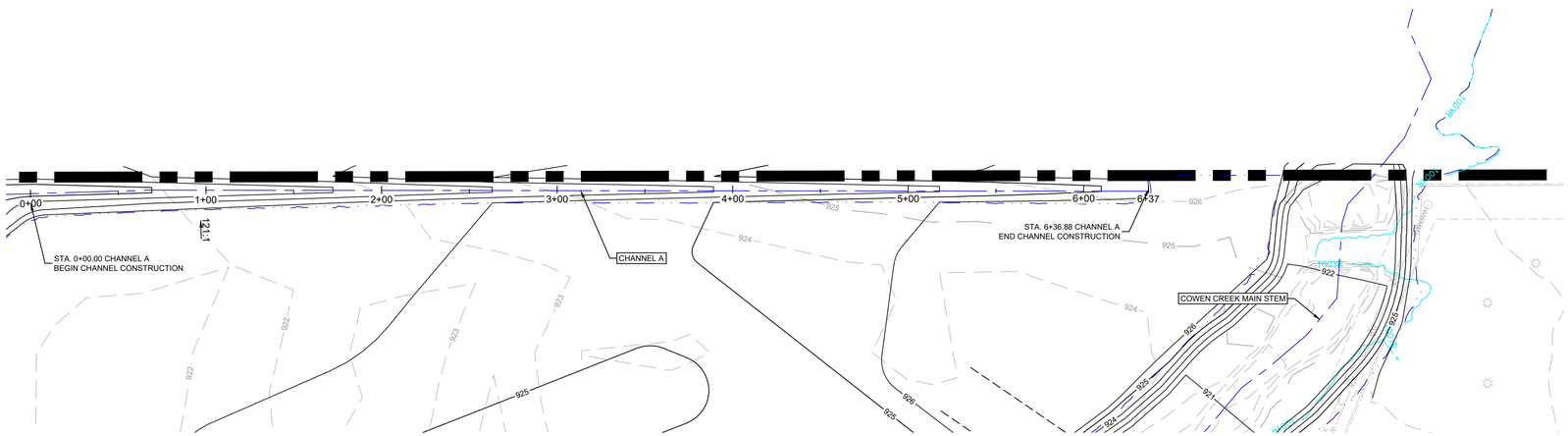
DRAWN BY: WT/CB

CHECKED BY: BW/CO

11/10/2025

STATE OF TEXAS
WILLIAM A. TAYLOR
142630
LICENSED PROFESSIONAL ENGINEER

SHEET 18 OF 21



SCALE: 1" = 40'
GRAPHIC SCALE IN FEET
0 20' 40' 80'

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- xxx — PROPOSED MINOR CONTOUR
- xxx — PROPOSED MAJOR CONTOUR
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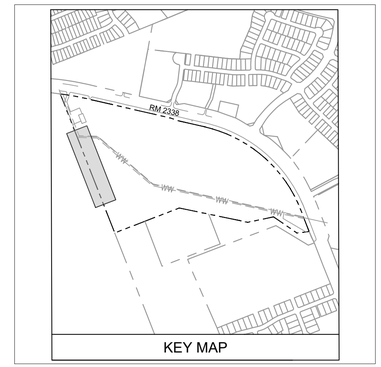
PROFILE SCALE
1" = 40' HORIZ.
1" = 4' VERT.

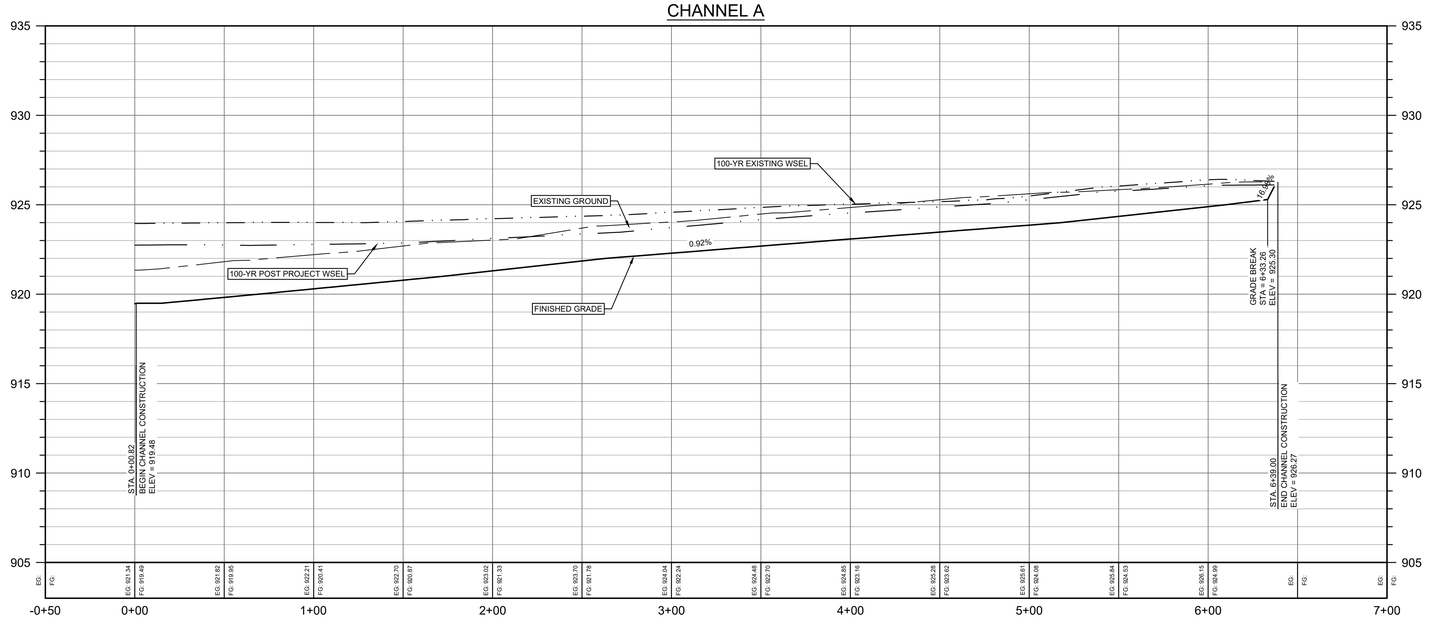
PROFILE LEGEND
PROPOSED FINISHED GRADE
TOP OF CHANNEL LEFT & RIGHT
EXISTING GRADE



NOTES:

1. REFER TO ASSOCIATED "HYDROLOGIC & HYDRAULIC STUDY OF COWAN CREEK AND ASSOCIATED TRIBUTARIES" REPORT FOR DETAILED HYDRAULIC CALCULATIONS

CHANNEL A



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GRAY ENGINEERING

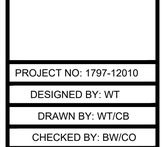
NO.	BY	DATE	REVISION DESCRIPTION

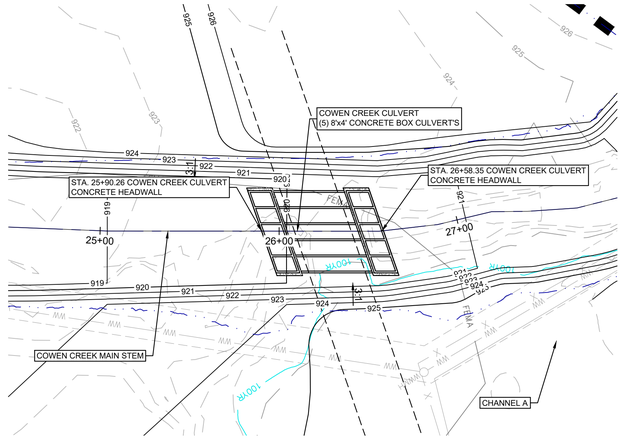
ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

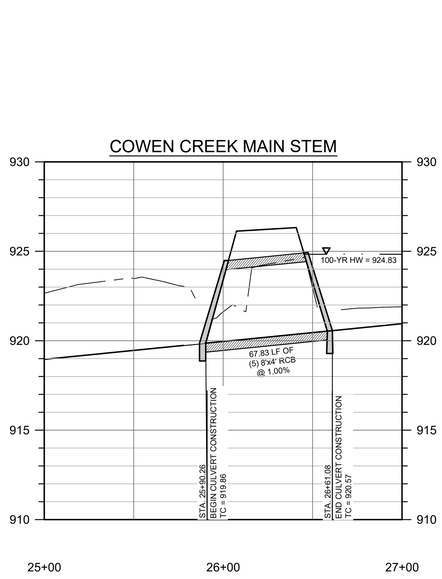
CHANNEL A PLAN & PROFILE

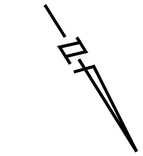
PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

11/10/2025









SCALE: 1" = 40'
GRAPHIC SCALE IN FEET
0 20' 40' 80'

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- XXX — EXISTING MAJOR CONTOUR
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- XXX — PROPOSED MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- 100YR — MODELED 100-YEAR ATLAS-14 FLOODPLAIN
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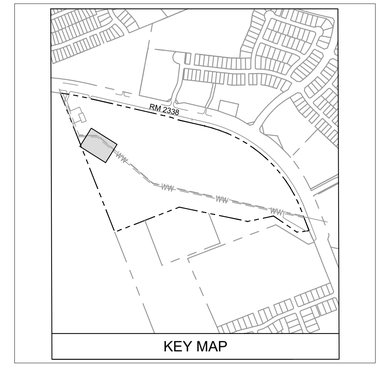
PROFILE SCALE	PROFILE LEGEND
1" = 40' HORIZ. 1" = 4' VERT.	PROPOSED FINISHED GRADE EXISTING GRADE (CENTER)



NOTES:

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GRAY ENGINEERING

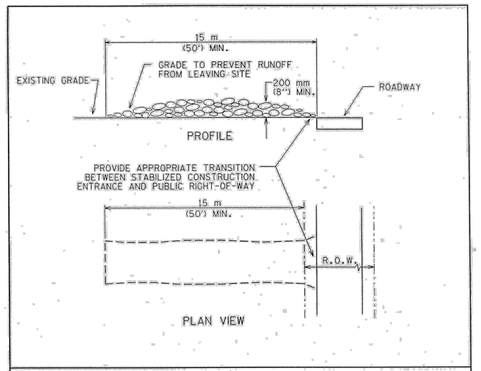
NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

CULVERT PLAN & PROFILES

PROJECT NO: 1797-12010
DESIGNED BY: WT
DRAWN BY: WT/CB
CHECKED BY: BW/CO

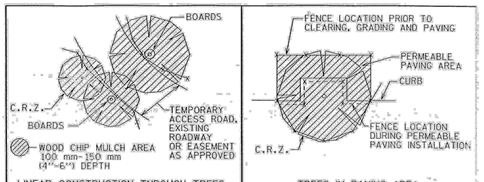
11/10/2025



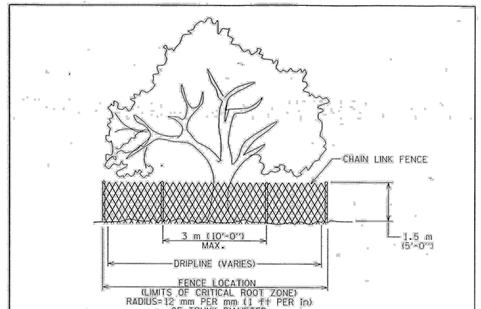
NOTES:

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

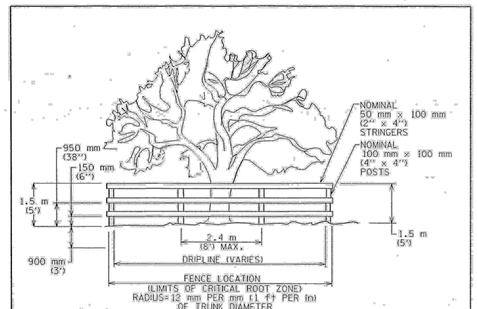
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STABILIZED CONSTRUCTION ENTRANCE	
5/23/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 641S-1



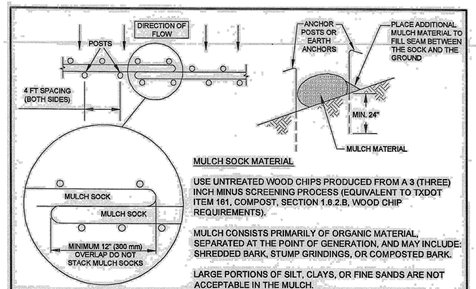
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROTECTION FENCE LOCATIONS	
11/15/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-1



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



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TREE PROTECTION FENCE TYPE B - WOOD	
11/15/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-3



MULCH SOCK MATERIAL

USE UNTREATED WOOD CHIPS PRODUCED FROM A 3 (THREE) INCH MINUS SCREENING PROCESS (EQUIVALENT TO TXDOT ITEM 161, COMPOST, SECTION 1.6.2.B, WOOD CHIP REQUIREMENTS).

MULCH CONSISTS PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, OR COMPOSTED BARK.

LARGE PORTIONS OF SILT, CLAYS, OR FINE SANDS ARE NOT ACCEPTABLE IN THE MULCH.

NOTES:

1. STEEL OR WOOD POSTS WHICH SUPPORT THE MULCH SOCK SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 600mm (24 inches). IF WOOD POSTS CANNOT ACHIEVE 600mm (24 inches) DEPTH, USE STEEL POSTS. EARTH ANCHORS ARE ALSO ACCEPTABLE.
2. THE TOE OF THE MULCH SOCK SHALL BE PLACED SO THAT THE MULCH SOCK IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. IN ORDER TO PREVENT WATER FROM FLOWING BETWEEN THE JOINTS OF ADJACENT ENDS OFMULCH SOCKS, LAP THE ENDS OF ADJACENT MULCH SOCKS A MINIMUM OF 300mm (12 Inches).
3. MULCH MATERIAL MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH; IT IS NOT ACCEPTABLE FOR THE MULCH MATERIAL TO CONTAIN GROUND CONSTRUCTION DEBRIS, BIOSOLIDS, OR MANURE.
4. SOCK MATERIAL WILL BE 100% BIODEGRADABLE, PHOTODEGRADABLE, OR RECYCLABLE SUCH AS BURLAP, TWINE, UV PHOTOBIODEGRADABLE PLASTIC, POLYESTER, OR ANY OTHER ACCEPTABLE MATERIAL.
5. MULCH SOCKS SHOULD BE USED AT THE BASE OF SLOPES NO STEEPER THAN 2:1 AND SHOULD NOT EXCEED THE MAXIMUM SPACING CRITERIA PROVIDED IN CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL TABLE 1.4.5.F.1 FOR A GIVEN SLOPE CATEGORY.
6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150mm (6 Inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	MULCH SOCK	
08/24/2010 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 648S-1

8834 N. Capital of Texas Hwy.
Suite 140
Austin, Texas 78759
(512)452-0371
FAX(512)454-9933
TBPELS FIRM #2946
GRAY ENGINEERING

NO.	BY	DATE	REVISION DESCRIPTION

ONUD PROPERTIES
FLOODPLAIN DEVELOPMENT PERMIT

CONSTRUCTION DETAILS

PROJECT NO: 1797-12010

DESIGNED BY: WT

DRAWN BY: WT/CB

CHECKED BY: BW/CO

11/10/2025

SHEET 21 OF 21