



## Contributing Zone Plan (CZP)

### Butler Farms Phase 13

WILLIAMSON COUNTY, TEXAS

October 23, 2024  
HR Green Project No: 2402842

Prepared For:  
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2121 Midway Rd., Ste. 240  
Carrollton, Texas 75006

Prepared By:  
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10/23/2024



*Christine Campbell*

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# Texas Commission on Environmental Quality

## Edwards Aquifer Application Cover Page

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### 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 if not withdrawn the application will be denied and 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 to you:

- You can withdraw your application, and your fees will be refunded or credited for a resubmittal.
- 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 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 effected 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.

<b>1. Regulated Entity Name:</b> Butler Farms Phase 13						<b>2. Regulated Entity No.:</b>			
<b>3. Customer Name:</b> 366 TX 29 LTD						<b>4. Customer No.:</b> 605772136			
<b>5. Project Type:</b> (Please circle/check one)	<b>New</b> ✓		Modification			Extension		Exception	
<b>6. Plan Type:</b> (Please circle/check one)	WPAP	<b>CZP</b> ✓	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
<b>7. Land Use:</b> (Please circle/check one)	<b>Residential</b> ✓		<b>Non-residential</b>			<b>8. Site (acres):</b>		19.94 (LOC = 19.74)	
<b>9. Application Fee:</b>	\$4,000		<b>10. Permanent BMP(s):</b>				Wet Basins		
<b>11. SCS (Linear Ft.):</b>	N/A		<b>12. AST/UST (No. Tanks):</b>				N/A		
<b>13. County:</b>	Williamson		<b>14. Watershed:</b>				South Fork San Gabriel River		

# Application Distribution

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

[http://www.tceq.texas.gov/assets/public/compliance/field\\_ops/eapp/EAPP%20GWCD%20map.pdf](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.)	—	—	<u>X</u>
Region (1 req.)	—	—	<u>X</u>
County(ies)	—	—	<u>X</u>
Groundwater Conservation District(s)	<u>—</u> Edwards Aquifer Authority <u>—</u> Barton Springs/ Edwards Aquifer <u>—</u> Hays Trinity <u>—</u> Plum Creek	<u>—</u> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<u>—</u> Austin <u>—</u> Buda <u>—</u> Dripping Springs <u>—</u> Kyle <u>—</u> Mountain City <u>—</u> San Marcos <u>—</u> Wimberley <u>—</u> Woodcreek	<u>—</u> Austin <u>—</u> Bee Cave <u>—</u> Pflugerville <u>—</u> Rollingwood <u>—</u> Round Rock <u>—</u> Sunset Valley <u>—</u> West Lake Hills	<u>—</u> Austin <u>—</u> Cedar Park <u>—</u> Florence <u>—</u> Georgetown <u>—</u> Jerrell <u>—</u> Leander <u>X</u> Liberty Hill <u>—</u> Pflugerville <u>—</u> Round Rock

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

Christine Campbell

Print Name of Customer/Authorized Agent

*Christine Campbell*

10/23/2024

Signature of Customer/Authorized Agent

Date

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

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

# Contributing Zone Plan Application

## Texas Commission on Environmental Quality

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

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

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

## Signature

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

Print Name of Customer/Agent: Christine Campbell

Date: 10/23/2024

Signature of Customer/Agent:



Regulated Entity Name: Butler Farms Phase 13

## Project Information

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

Contact Person: Wyatt Henderson

Entity: 366 TX 29 LTD

Mailing Address: 2121 Midway Rd., Ste. 240

City, State: Carrollton, TX

Telephone: (972) 715-6450

Email Address: whenderson@madev.com

Zip: 75006

Fax: \_\_\_\_\_

5. Agent/Representative (If any):

Contact Person: Christine Campbell

Entity: HR Green Development TX, LLC

Mailing Address: 5508 Highway 290 West, Suite 150

City, State: Austin, TX

Zip: 78735

Telephone: (512) 872-6696

Fax: \_\_\_\_\_

Email Address: christine.campbell@hrgreen.com

6. Project Location:

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

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

The project is located off W State Hwy 29 and NW of CR 277. Phase 13 is situated N of Phase 5 and SW of Phase 12. Butler Farms Blvd. borders the eastern portion of the site and Altamure Rd. runs along the northern boundary. The site is included in Parcel ID #R021816

8. ☒ **Attachment A - Road Map.** A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.

9. ☒ **Attachment B - USGS Quadrangle Map.** A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) clearly show:

- ☒ Project site boundaries.
- ☒ USGS Quadrangle Name(s).

10. ☒ **Attachment C - Project Narrative.** A detailed narrative description of the proposed project is attached. The project description is consistent throughout the application and contains, at a minimum, the following details:

- ☒ Area of the site
- ☒ Offsite areas
- ☒ Impervious cover
- ☒ Permanent BMP(s)
- ☒ Proposed site use
- ☒ Site history
- ☒ Previous development
- ☒ Area(s) to be demolished

11. Existing project site conditions are noted below:

- ☐ Existing commercial site
- ☐ Existing industrial site
- ☐ Existing residential site
- ☐ Existing paved and/or unpaved roads
- ☐ Undeveloped (Cleared)
- ☒ Undeveloped (Undisturbed/Not cleared)
- ☐ Other: \_\_\_\_\_

12. The type of project is:

- ☒ Residential: # of Lots: 106
- ☐ Residential: # of Living Unit Equivalents: \_\_\_\_\_
- ☐ Commercial
- ☐ Industrial
- ☐ Other: \_\_\_\_\_

13. Total project area (size of site): 19.94 Acres

Total disturbed area: 19.74 Acres

14. Estimated projected population: 106 units \* 3.5 people/unit = 371 people

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

**Table 1 - Impervious Cover**

<i><b>Impervious Cover of Proposed Project</b></i>	<i><b>Sq. Ft.</b></i>	<i><b>Sq. Ft./Acre</b></i>	<i><b>Acres</b></i>
Structures/Rooftops	315,600	÷ 43,560 =	7.25
Parking	0	÷ 43,560 =	0
Other paved surfaces	121,362	÷ 43,560 =	2.78
Total Impervious Cover	436,894	÷ 43,560 =	10.03

**Total Impervious Cover 10.03 ÷ Total Acreage 19.94 X 100 = 50.3% Impervious Cover**

16. ☒ **Attachment D - Factors Affecting Surface Water Quality.** A detailed description of all factors that could affect surface water quality is attached. If applicable, this includes the location and description of any discharge associated with industrial activity other than construction.
17. ☒ Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

## ***For Road Projects Only***

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

☒ N/A

18. Type of project:

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

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

- ☐ Concrete
- ☐ Asphaltic concrete pavement
- ☐ Other: \_\_\_\_\_

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

Length of R.O.W.: \_\_\_\_\_ feet.

Width of R.O.W.: \_\_\_\_\_ feet.

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

21. Pavement Area:

Length of pavement area: \_\_\_\_\_ feet.

Width of pavement area: \_\_\_\_\_ feet.

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

Pavement area \_\_\_\_\_ acres  $\div$  R.O.W. area \_\_\_\_\_ acres  $\times 100 = \text{_____ \%}$  impervious cover.

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

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

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

## ***Stormwater to be generated by the Proposed Project***

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



## ***Wastewater to be generated by the Proposed Project***

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

☐ N/A

26. Wastewater will be disposed of by:

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

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

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

☒ Sewage Collection System (Sewer Lines):

The sewage collection system will convey the wastewater to the Liberty Hill Wastewater (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**

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

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

**Total x 1.5 = \_\_\_\_\_ Gallons**

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

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

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

**Table 3 - Secondary Containment**

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

**Total: \_\_\_\_\_ Gallons**

30. Piping:

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

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

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

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

- ☐ Dispenser clearly labeled
33. ☐ Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.
- ☐ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.
- ☐ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

## **Site Plan Requirements**

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

34. ☒ The Site Plan must have a minimum scale of 1" = 400'.  
Site Plan Scale: 1" = 50'.
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): FEMA FIRM Panel No. 48491C0230F (December 20, 2019).
36. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
- ☐ The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
37. ☒ A drainage plan showing all paths of drainage from the site to surface streams.
38. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
39. ☒ Areas of soil disturbance and areas which will not be disturbed.
40. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
41. ☒ Locations where soil stabilization practices are expected to occur.
42. ☐ Surface waters (including wetlands).  
☒ N/A

43. ☐ Locations where stormwater discharges to surface water.  
☒ There will be no discharges to surface water.
44. ☐ Temporary aboveground storage tank facilities.  
☒ Temporary aboveground storage tank facilities will not be located on this site.
45. ☐ Permanent aboveground storage tank facilities.  
☒ Permanent aboveground storage tank facilities will not be located on this site.
46. ☒ Legal boundaries of the site are shown.

### ***Permanent Best Management Practices (BMPs)***

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

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

- ☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.
- ☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.
- ☒ The site will not be used for low density single-family residential development.

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

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

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

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

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

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

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

☒ N/A

55. ☒ **Attachment M - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

☐ N/A

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

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

☐ N/A

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

☒ N/A

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

☒ N/A

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

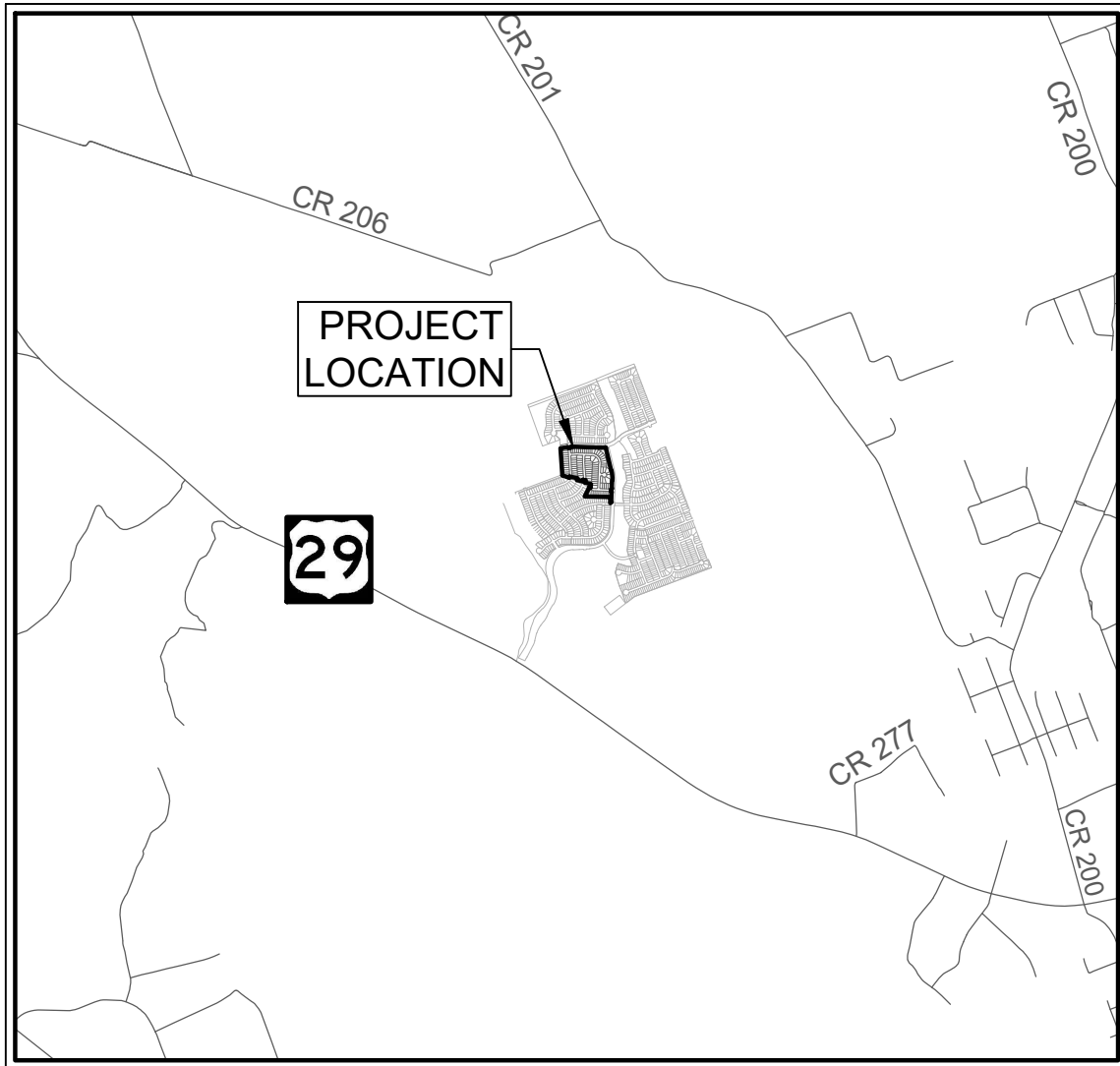
59. ☒ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or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

responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.

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

### ***Administrative Information***

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



## VICINITY MAP

SCALE: 1"=4000'



5508 HIGHWAY 290 W  
SUITE 150  
AUSTIN, TX 78735  
PHONE: 512.872.6696  
HRGreen.com

TBPE NO: 16384  
TBPLS NO: 10194101

## BUTLER FARMS PHASE 13 LOCATION MAP

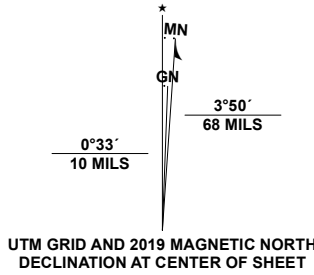




Produced by the United States Geological Survey

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

Imagery.....NAIP, August 2016 - November 2016  
Roads.....U.S. Census Bureau, 2015 - 2019  
Names.....GNIS, 2008 - 2021  
Hydrography.....National Hydrography Dataset, 2002 - 2020  
Contours.....National Elevation Dataset, 2019  
Boundaries.....Multiple sources; see metadata file 2019 - 2021  
Wetlands.....FWS National Wetlands Inventory Not Available



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



1	2	3
4	5	6
7	8	

1 Joppa  
2 Mahomet  
3 Florence  
4 Bertram  
5 Leander NE  
6 Travis Peak  
7 Nameless  
8 Leander

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

LIBERTY HILL, TX  
2022





## ATTACHMENT C – PROJECT NARRATIVE

Butler Farms Phase 13 is a proposed development consisting of 106 single-family residential lots, associated with necessary right-of-way, drainage, and utilities infrastructure. It is in the Liberty Hill full purpose jurisdiction within Williamson County. The site resides in the Edwards Aquifer Contributing Zone and the South Fork San Gabriel watershed. The overall project site encompasses a 19.94-acre tract of land located off W SH 29 and NW of CR 277. Phase 13 is situated north of Phase 5 and southwest of Phase 12. Butler Farms Blvd. borders the Eastern portion of the site, and Altamure Rd. spans along the Northern boundary. The site is included in Parcel ID # R021816. There will be roughly 19.74 acres of disturbed land.

The project site is undeveloped wooded land with grass. The high point on the site is approximately 1,117ft. in the northwest corner with a low point at around 1,095 ft. in the southeast corner. Runoff generally flows northwest to southeast before reaching the existing water quality and detention ponds in Butler Farms Phase 1. No part of the project site is located within the boundaries of a 100-year floodplain as defined by FEMA FIRM Panel No. 48491C0230F, dated December 20, 2019.

The proposed development results in an impervious cover of 50.3% and will have the associated runoff treated by two existing wet basins, Pond A and Pond B (approved in the Butler Farms Phase 1 Main Infrastructure CZP application EAPP No. 11001488 and then modified in EAPP No. 11002006 and EAPP No. 11002294). Of the 19.94 acres of the proposed Butler Farms Phase 13 property, there is approximately 10.03 acres of impervious cover. Based on the 80% TSS removal requirement by TCEQ, we need to provide 8,730 lbs. of TSS removal for the proposed development. As shown in the calculations, the existing, approved wet basins satisfy the TSS removal requirement. The interim condition includes all previously approved phases of Butler Farms and is the expected condition once Butler Farms Phase 13 construction is complete. The fully developed condition is the projected condition once the entire Butler Farms development is complete. This includes future Butler Farms phases (after Phase 13) and the associated impervious cover. The water quality ponds are sized to treat the interim conditions, as well as the projected fully developed conditions, and the offsite flow. The existing Pond A was sized to remove the required 27,602 lbs. of TSS in the interim and the required 27,652 lbs. of TSS in the fully developed condition. Pond A will receive 86.51 acres of onsite flow and 135.95 acres of offsite flow and provide 29,750 lbs. of TSS removal in the interim condition. Pond A will receive 86.51 acres of onsite flow and 135.95 acres of offsite flow and provide 29,750 lbs. of TSS removal in the fully developed condition. The existing Pond B was sized to remove the required 73,829 lbs. of TSS in the interim and the required 77,850 lbs. of TSS in the fully developed condition. Pond B will receive 190.16 acres of onsite flow and 49.11 acres of offsite flow and provide 78,443 lbs. of TSS removal in the interim condition. Pond B will receive 190.16 acres of onsite flow and 51.14 acres of offsite flow and provide 83,000 lbs. of TSS removal in the fully developed condition.

## ATTACHMENT D – FACTORS AFFECTING SURFACE WATER QUALITY

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

- Soil erosion due to the clearing of the site for roads and buildings and drainage structures.
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings.
- Hydrocarbons from asphalt paving operations.
- Miscellaneous trash and litter from construction.

Potential sources of pollution that may be expected to affect the quality of the storm water discharges from the site after construction is completed include the following:

- Oil, grease, fuel and hydraulic fluid contamination from vehicle drippings.
- Dirt and dust from vehicles.
- Trash and litter.

## ATTACHMENT E – VOLUME AND CHARACTER OF STORMWATER

This project site naturally flows northwest to southeast. The runoff will be captured by proposed curb inlets along the roadways then conveyed via storm sewers to the existing water quality ponds. The pre-construction runoff

coefficient for the Phase 13 site limits is 0.02 (0% impervious cover) and the post construction runoff coefficient is 0.36 (50.3% impervious cover). Detailed existing and proposed flow data for the points of interest are provided on the drainage plan as part of the construction documents submitted with this application.

#### **ATTACHMENT J – BMPS FOR UPGRADIENT STORMWATER**

There is roughly 187.09 acres of offsite flow that will be captured in the overall Butler Farms proposed storm infrastructure in the fully developed condition. The existing wet basins have been sized to account for the flow.

#### **ATTACHMENT K – BMPS FOR ON-SITE STORMWATER**

The runoff originating from the impervious cover on the site will be captured by a series of curb inlets running parallel along all streets. This flow discharges directly into the pond. Refer to the attached, approved Butler Farms Phase 1 Construction Plans for Water Quality sediment treatment details.

#### **ATTACHMENT L – BMPS FOR SURFACE STREAMS**

There are no surface waters on our property. However, there is a natural 4' wide jurisdictional waters and 0.03-acre herbaceous wetlands on the overall Butler Farms property located along the downstream of the Butler Farms Phase 1 spine infrastructure. No construction proposed in Butler Farms Phase 13 will impact the jurisdictional waters.

#### **ATTACHMENT M – CONSTRUCTION PLANS**

Construction plans are attached.

#### **ATTACHMENT P – MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION**

There are no surface streams along the site. However, the site conveys stormwater through two water quality ponds before discharging to Brushy Creek.

## Attachment N – Inspection, Maintenance, Repair, and Retrofit Plan

### Wet Basin

A clear requirement for wet basins is that a firm commitment be made to carry out both routine and non-routine maintenance tasks.

- *Routine Maintenance*

- *Mowing.* The side-slopes, embankment, and emergency spillway of the basin should be mowed at least twice a year to prevent woody growth and control weeds.
- *Inspections.* Wet basins should be inspected at least twice a year (once during or immediately following wet weather) to evaluate facility operation. When possible, inspections should be conducted during wet weather to determine if the basin is functioning properly. There are many functions and characteristics of these BMPs that should be inspected. The embankment should be checked for subsidence, erosion, leakage, cracking, and tree growth. The condition of the emergency spillway should be checked. The inlet, barrel, and outlet should be inspected for clogging. The adequacy of upstream and downstream channel erosion protection measures should be checked. Stability of the side slopes should be checked. Modifications to the basin structure and contributing watershed should be evaluated. During semi-annual inspections, replace any dead or displaced vegetation. Replanting of various species of wetland vegetation may be required at first, until a viable mix of species is established. Cracks, voids and undermining should be patched/filled to prevent additional structural damage. Trees and root systems should be removed to prevent growth in cracks and joints that can cause structural damage. The inspections should be carried out with as-built pond plans in hand.
- *Debris and Litter Removal.* As part of periodic mowing operations and inspections, debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the riser, and the outlet should be checked for possible clogging.
- *Erosion Control.* The basin side slopes, emergency spillway, and embankment all may periodically suffer from slumping and erosion. Corrective measures such as regrading and revegetation may be necessary. Similarly, the riprap protecting the channel near the outlet may need to be repaired or replaced.
- *Nuisance Control.* Most public agencies surveyed indicate that control of insects, weeds, odors, and algae may be needed in some ponds. Nuisance control is probably the most frequent maintenance item demanded by local residents. If the ponds are properly sized and vegetated, these problems should be rare in wet ponds except under extremely dry weather conditions. Twice a year, the facility should be evaluated in terms of nuisance

control (insects, weeds, odors, algae, etc.). Biological control of algae and mosquitoes using fish such as fathead minnows is preferable to chemical applications.

- *Non-Routine Maintenance*

- *Structural Repairs and Replacement.* Eventually, the various inlet/outlet and riser works in the wet basin will deteriorate and must be replaced. Some public works experts have estimated that corrugated metal pipe (CMP) has a useful life of about 25 yr, while concrete barrels and risers may last from 50 to 75 yr. The actual life depends on the type of soil, pH of runoff, and other factors. Polyvinyl chloride (PVC) pipe is a corrosion resistant alternative to metal and concrete pipes. Local experience typically determines which materials are best suited to the site conditions. Leakage or seepage of water through the embankment can be avoided if the embankment has been constructed of impermeable material, has been compacted, and if anti-seep collars are used around the barrel. Correction of any of these design flaws is difficult.
- *Sediment Removal.* Wet ponds will eventually accumulate enough sediment to significantly reduce storage capacity of the permanent pool. As might be expected, the accumulated sediment can reduce both the appearance and pollutant removal performance of the pond. Sediment accumulated in the sediment forebay area should be removed from the facility every two years to prevent accumulation in the permanent pool. Dredging of the permanent pool should occur at least every 20 years, or when accumulation of sediment impairs functioning of the outlet structure.
- *Harvesting.* If vegetation is present on the fringes or in the pond, it can be periodically harvested and the clippings removed to provide export of nutrients and to prevent the basin from filling with decaying organic matter.

#### Batch Detention Pond

- (1) Inspections should take place a minimum of twice a year. One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. The remaining inspections should occur between storm events so that manual operation of the valve and controller can be verified. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. The outlet structure and the trash screen should be inspected for signs of clogging. Debris and sediment should be removed from the orifice and outlet(s) as described in previous sections. Debris obstructing the valve should be removed. During each inspection, erosion areas inside and downstream of this BMP should be identified and repaired/revegetated immediately.
- (2) The basin, basin side-slopes, and embankment of the basin must be mowed to prevent woody growth and control weeds. A mulching mower should be used, or the grass clippings should be caught and removed. Mowing should take place at least twice a

year, or more frequently if vegetation exceeds 18 inches in height. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas.

- (3) Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the outlet structure. The outlet should be checked for possible clogging or obstructions and any debris removed.
- (4) The basin side slopes and embankment all may periodically suffer from slumping and erosion. To correct these problems, corrective action, such as regrading and revegetation, may be necessary. Correction of erosion control should take place whenever required based on the periodic inspections.
- (5) Standing water or soggy conditions may occur in the basin. Some standing water may occur after a storm event since the valve may close with 2 to 3 inches of water in the basin. Some flow into the basin may also occur between storms due to spring flow and residential water use that enters the storm sewer system. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weeds, odors, algae, etc.).
- (6) With each inspection, any damage to structural elements of the basin (pipes, concrete drainage structures, retaining walls, etc.) should be identified and repaired immediately. An example of this type of repair can include patching of cracked concrete, sealing of voids, removal of vegetation from cracks and joints. The various inlet/outlet structures in a basin will eventually deteriorate and must be replaced.
- (7) A properly designed batch detention basin will accumulate quantities of sediment over time. The accumulated sediment can detract from the appearance of the facility and reduce the pollutant removal performance of the facility. The sediment also tends to accumulate near the outlet structure and can interfere with the level sensor operation. Sediment shall be removed from the basin at least every 5 years, when sediment depth exceeds 6 inches, when the sediment interferes with the level sensor or when the basin does not drain within 48 hours. Care should be taken not to compromise the basin lining during maintenance.
- (8) The Logic Controller should be inspected as part of the twice yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. At the end of the inspection, the controller should be reset.

An amended copy of this document will be provided to the TCEQ within thirty days of any changes in the following information.

Responsible Party for Maintenance:	366 TX 29, LTD
Address:	15443 Knoll Trail Drive, Suite 130
City, State, Zip:	Dallas, TX 75248
Telephone Number:	(971)715-6440

Signature of Responsible Party



6-29-2020

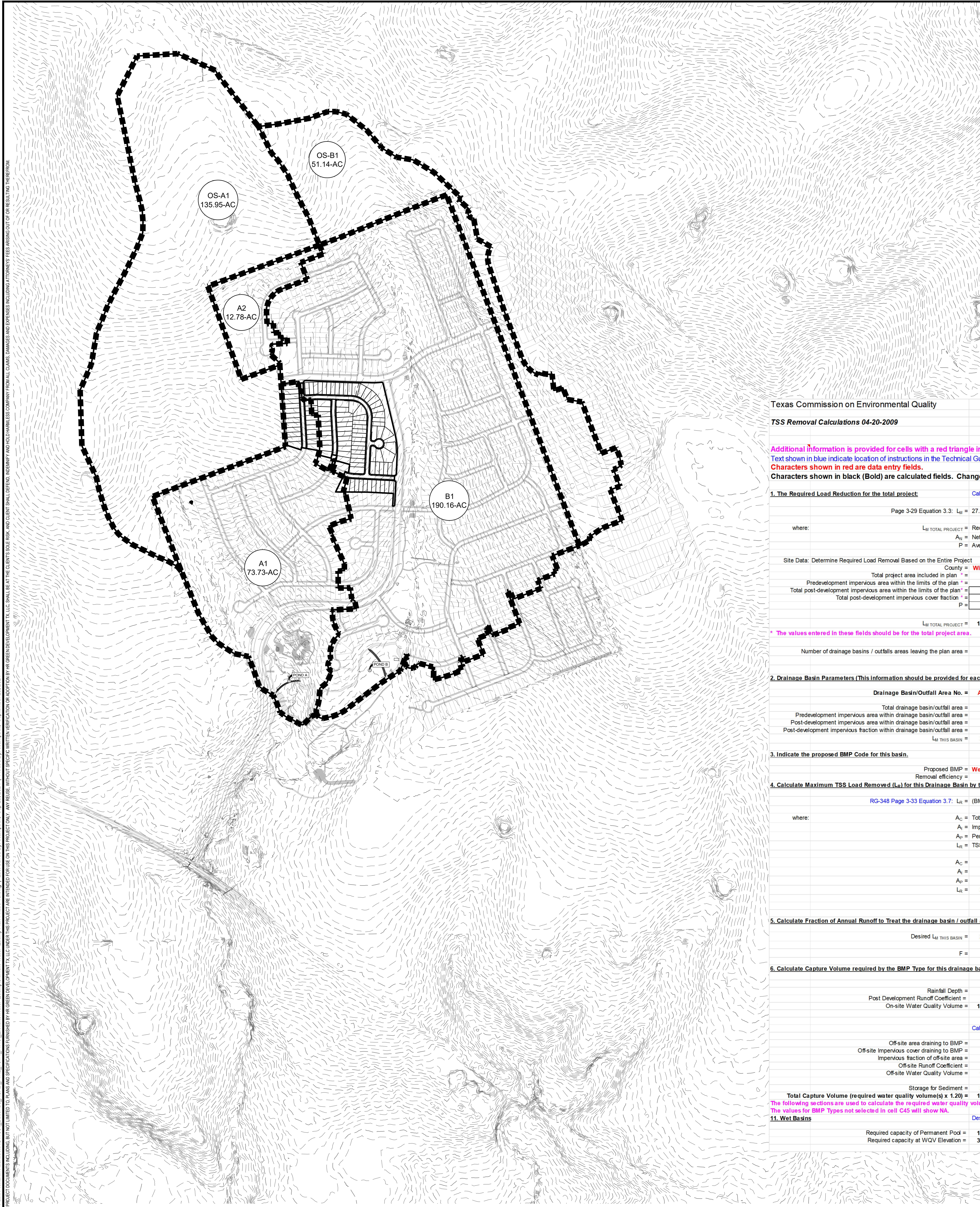




### ##-###CON



DATE: 09/25/2024  
FILE: P:\Main\AreaMap\1701\_ButlerFarmsPhase13.dwg  
DESIGNED BY: MV / CC  
DRAWN BY: MV / TG  
CHECKED BY: CC / SN  
APPROVED BY: SN  
SHEET: WQ-U  
###-###CON



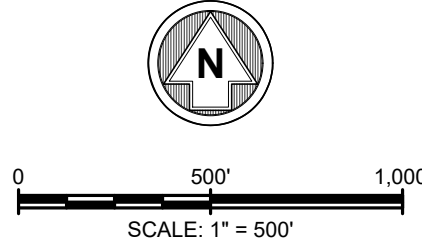
## BUTLER FARMS PHASE 13 PROJECT ONLY

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **Butler Farms Phase 13**

Date Prepared: **9/24/2024**



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

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3:  $L_{d1} = 27.2(AN \times P)$

where:

$L_{d1}$  TOTAL PROJECT = Required TSS removal resulting from the proposed development = 80% of increased load  
 $A_{d1}$  = Net increase in impervious area for the project  
 $P$  = Average annual precipitation, inches

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

County = **Williamson**  
Total project area included in plan = **19.94** acres  
Predevelopment impervious area within the limits of the plan = **19.94** acres  
Total post-development impervious area within the limits of the plan = **10.03** acres  
Total post-development impervious cover fraction = **0.50**  
 $P$  = **32.00** inches

$L_{d1}$  TOTAL PROJECT = **8,730** lbs.

## WET BASIN A

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **Butler (Ultimate Development)**

Date Prepared: **9/24/2024**

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

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3:  $L_{d1} = 27.2(AN \times P)$

where:

$L_{d1}$  TOTAL PROJECT = Required TSS removal resulting from the proposed development = 80% of increased load  
 $A_{d1}$  = Net increase in impervious area for the project  
 $P$  = Average annual precipitation, inches

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

County = **Williamson**  
Total project area included in plan = **366.46** acres  
Predevelopment impervious area within the limits of the plan = **366.46** acres  
Total post-development impervious area within the limits of the plan = **140.63** acres  
Total post-development impervious cover fraction = **0.38**  
 $P$  = **32.00** inches

$L_{d1}$  TOTAL PROJECT = **122,405.02** lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = **3**

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

Drainage Basin/Outfall Area No. = **A1 & A2**

Total drainage basin/outfall area = **86.51** acres  
Predevelopment impervious area within drainage basin/outfall area = **31.77** acres  
Post-development impervious area within drainage basin/outfall area = **31.77** acres  
Post-development impervious fraction within drainage basin/outfall area = **0.37**  
 $L_{d1}$  THIS BASIN = **27,652.34** lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Wet Basin**  
Removal efficiency = **93.00** percent

4. Calculate Maximum TSS Load Removed ( $L_{d1}$ ) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7:  $L_{d1} = (BMP \text{ efficiency}) \times P \times (A_i \times 34.6 + AP \times 0.54)$

where:

$A_i$  = Total On-Site drainage area in the BMP catchment area  
 $A_p$  = Impervious area proposed in the BMP catchment area  
 $A_r$  = Pervious area remaining in the BMP catchment area  
 $L_{d1}$  = TSS Load removed from this catchment area by the proposed BMP

$A_i$  = **86.51** acres  
 $A_p$  = **31.77** acres  
 $A_r$  = **54.74** acres  
 $L_{d1}$  = **33,592.82** lbs.

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

Desired  $L_{d1}$  THIS BASIN = **29,750.00** lbs.

$F$  = **0.89**

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

Calculations from RG-348

Pages 3-34 to 3-36

Rainfall Depth = **1.60** inches  
Post Development Runoff Coefficient = **0.29**  
On-site Water Quality Volume = **146,317.17** cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = **135.95** acres  
Off-site impervious cover draining to BMP = **0** acres  
Impervious fraction of off-site area = **0.02**  
Off-site Runoff Coefficient = **0.02**  
Off-site Water Quality Volume = **15,792.12** cubic feet

Storage for Sediment = **32,421.86**  
Total Capture Volume (required water quality volume(s) x 1.20) = **194,531.16** cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.  
The values for BMP Types not selected in cell C45 will show NA.

11. Wet Basins

Designed as Required in RG-348 Pages 3-66 to 3-71

Required capacity of Permanent Pool = **194,531.16** cubic feet  
Required capacity at WQV Elevation = **356,640.45** cubic feet

Permanent Pool Capacity is 1.20 times the WQV  
Total Capacity should be the Permanent Pool Capacity plus a second WQV.

## WET BASIN B

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **Butler (Ultimate Development)**

Date Prepared: **9/24/2024**

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

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3:  $L_{d1} = 27.2(AN \times P)$

where:

$L_{d1}$  TOTAL PROJECT = Required TSS removal resulting from the proposed development = 80% of increased load  
 $A_{d1}$  = Net increase in impervious area for the project  
 $P$  = Average annual precipitation, inches

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

County = **Williamson**  
Total project area included in plan = **366.46** acres  
Predevelopment impervious area within the limits of the plan = **366.46** acres  
Total post-development impervious area within the limits of the plan = **140.63** acres  
Total post-development impervious cover fraction = **0.38**  
 $P$  = **32.00** inches

$L_{d1}$  TOTAL PROJECT = **122,405.02** lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = **3**

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

Drainage Basin/Outfall Area No. = **B1**

Total drainage basin/outfall area = **190.16** acres  
Predevelopment impervious area within drainage basin/outfall area = **89.44** acres  
Post-development impervious area within drainage basin/outfall area = **89.44** acres  
Post-development impervious fraction within drainage basin/outfall area = **0.47**  
 $L_{d1}$  THIS BASIN = **77,850.17** lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Wet Basin**  
Removal efficiency = **93.00** percent

4. Calculate Maximum TSS Load Removed ( $L_{d1}$ ) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7:  $L_{d1} = (BMP \text{ efficiency}) \times P \times (A_i \times 34.6 + AP \times 0.54)$

where:

$A_i$  = Total On-Site drainage area in the BMP catchment area  
 $A_p$  = Impervious area proposed in the BMP catchment area  
 $A_r$  = Pervious area remaining in the BMP catchment area  
 $L_{d1}$  = TSS Load removed from this catchment area by the proposed BMP

$A_i$  = **190.16** acres  
 $A_p$  = **89.44** acres  
 $A_r$  = **100.72** acres  
 $L_{d1}$  = **93,716.47** lbs.

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

Desired  $L_{d1}$  THIS BASIN = **83,000.00** lbs.

$F$  = **0.89**

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

Calculations from RG-348

Pages 3-34 to 3-36

Rainfall Depth = **1.60** inches  
Post Development Runoff Coefficient = **0.34**  
On-site Water Quality Volume = **377,372.79** cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = **51.14** acres  
Off-site impervious cover draining to BMP = **7.24** acres  
Impervious fraction of off-site area = **0.14**  
Off-site Runoff Coefficient = **0.16**  
Off-site Water Quality Volume = **47,398.88** cubic feet

Storage for Sediment = **84,954.33**  
Total Capture Volume (required water quality volume(s) x 1.20) = **509,726.00** cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.  
The values for BMP Types not selected in cell C45 will show NA.

11. Wet Basins

Designed as Required in RG-348 Pages 3-66 to 3-71

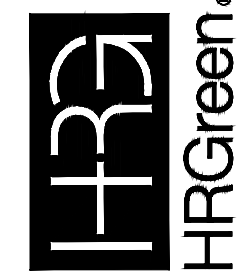
Required capacity of Permanent Pool = **509,726.00** cubic feet  
Required capacity at WQV Elevation = **934,497.67** cubic feet

Permanent Pool Capacity is 1.20 times the WQV  
Total Capacity should be the Permanent Pool Capacity plus a second WQV.



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SUITE 150  
AUSTIN, TX 78735  
PHONE: 512.872.6696  
HRCgreen.com  
TBPE NO: 16384  
TBPLS NO: 10194101



09/25/2024

ULTIMATE WATER QUALITY  
DRAINAGE AREA MAP

BUTLER FARMS  
PHASE 13

LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

DESIGNED BY: **MV / CC**

DRAWN BY: **MV / TG**

CHECKED BY: **CC / SN**

APPROVED BY: **SN**

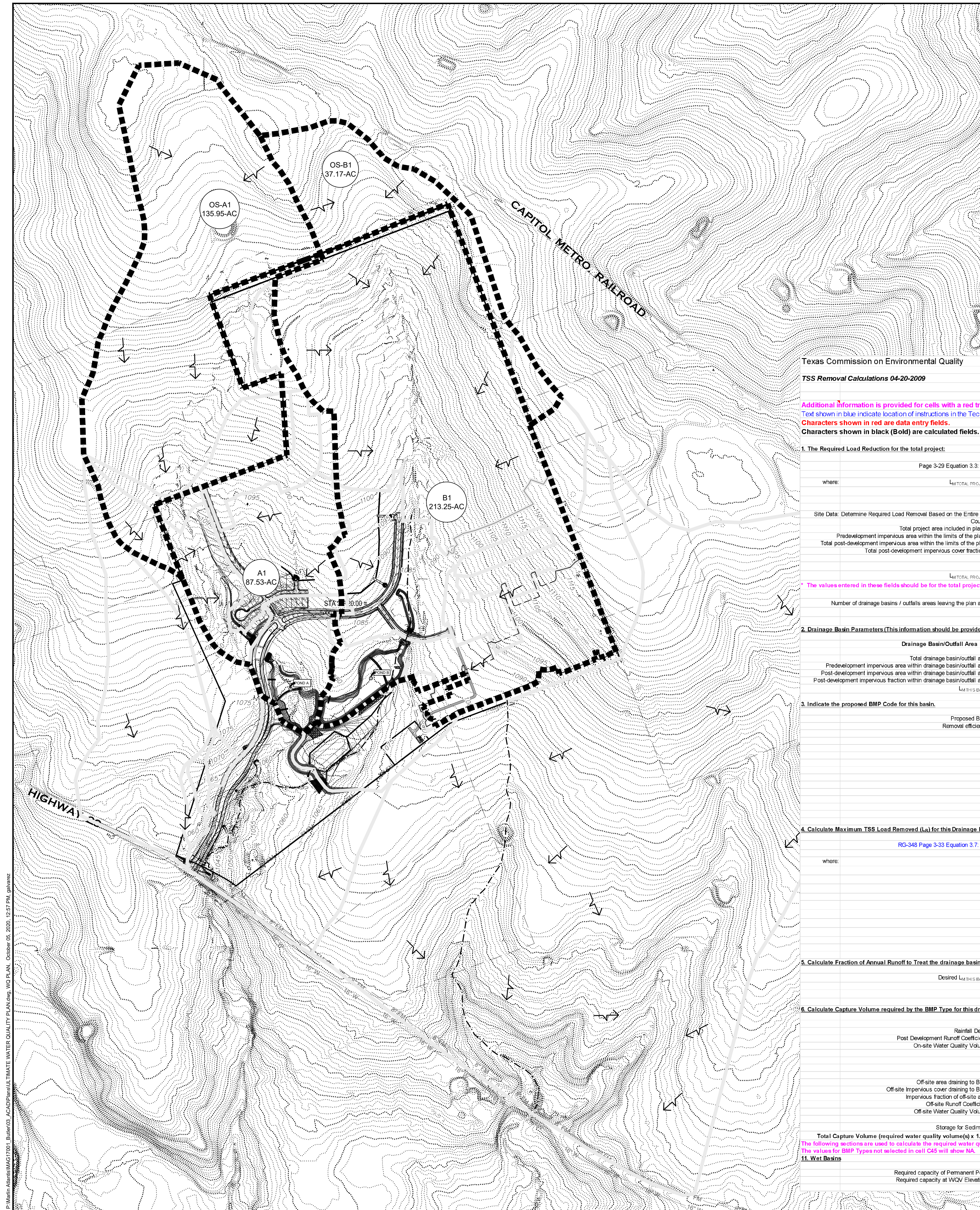
SHEET **WQ-U**

###-###CON







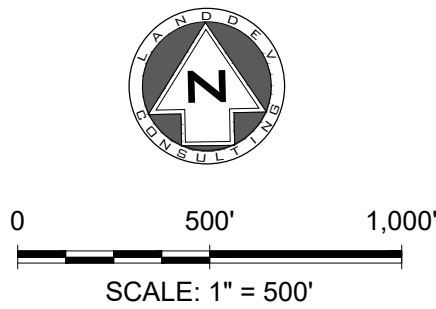


## WET BASIN A

## WET BASIN B

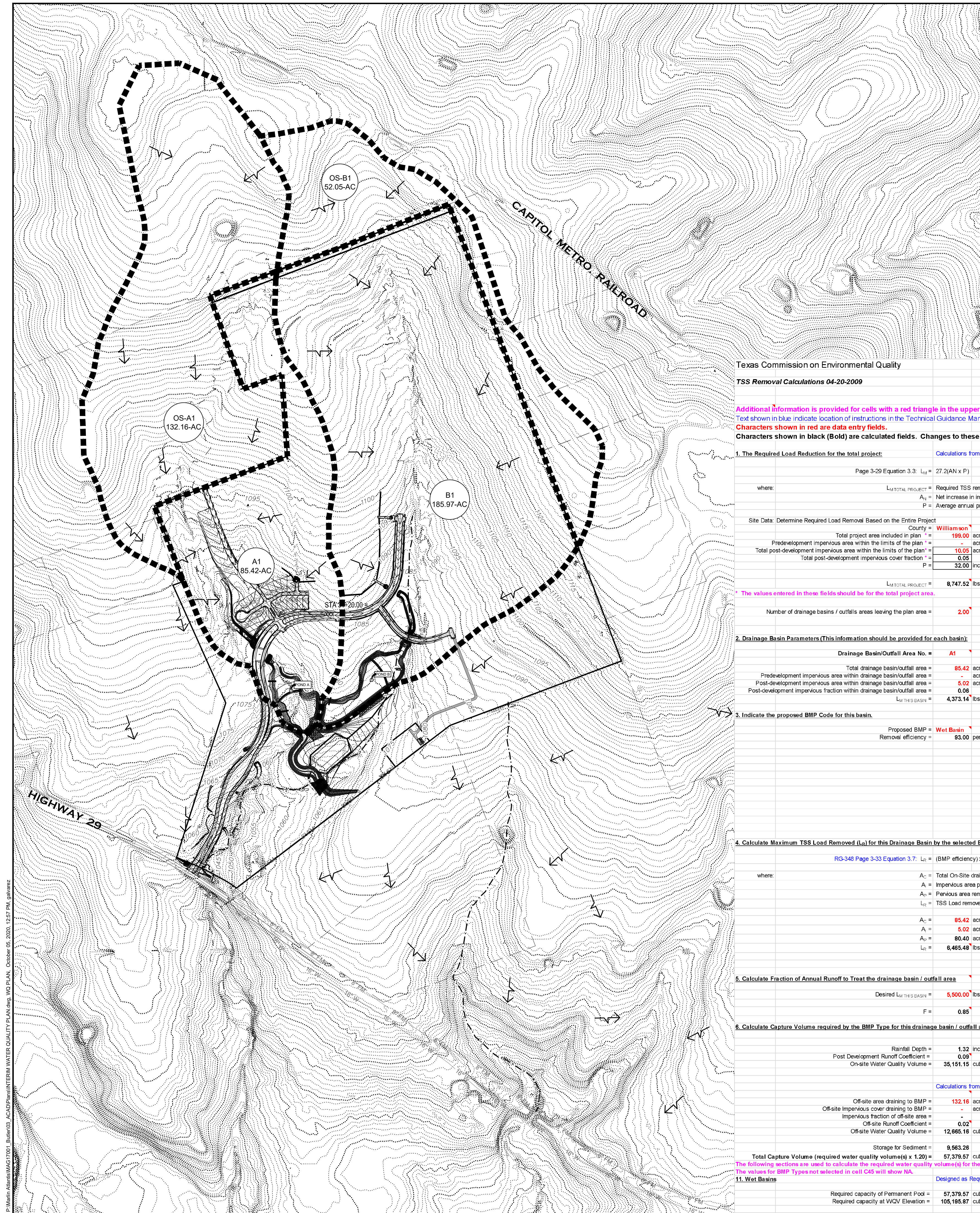
Texas Commission on Environmental Quality		Project Name: <b>Butler (Ultimate Development)</b> Date Prepared: <b>3/18/2020</b>	
TSS Removal Calculations 04-20-2009			
Additional Information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. Characters shown in red are data entry fields. Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.			
1. The Required Load Reduction for the total project:		Calculations from RG-348 Pages 3-27 to 3-30	
Page 3-29 Equation 3.3: $L_{TSS} = 27.2(AN \times P)$			
where: $L_{TSS}$ = Required TSS removal resulting from the proposed development = 80% of increased load $A_N$ = Net increase in impervious area for the project $P$ = Average annual precipitation, inches			
Site Data: Determine Required Load Removal Based on the Entire Project County = <b>Williamson</b> Total project area included in plan = <b>367.34</b> acres Predevelopment impervious area within the limits of the plan = <b>135.30</b> acres Total post-development impervious area within the limits of the plan = <b>135.30</b> acres Total post-development impervious cover fraction = <b>0.37</b> $P$ = <b>32.00</b> inches $L_{TSS}$ = <b>117,767.16</b> lbs. * The values entered in these fields should be for the total project area.			
Number of drainage basins / outfalls areas leaving the plan area = <b>2.00</b>			
2. Drainage Basin Parameters (This information should be provided for each basin):			
Drainage Basin/Outfall Area No. = <b>A1</b> Total drainage basin/outfall area = <b>87.53</b> acres Predevelopment impervious area within drainage basin/outfall area = <b>26.39</b> acres Post-development impervious area within drainage basin/outfall area = <b>26.39</b> acres Post-development impervious fraction within drainage basin/outfall area = <b>0.34</b> $L_{TSS}$ = <b>25,561.06</b> lbs.			
3. Indicate the proposed BMP Code for this basin.			
Proposed BMP = <b>Wet Basin</b> Removal efficiency = <b>93.00</b> percent Aqualogic Cartridge Filter Bioretention Context Storm Filter Constructed Wetland Extended Detention Grassy Swale Retention / Irrigation Sand Filter Sand Filter Stormceptor Vegetated Filter Strips Vortechs Wet Basin Wet Vault			
4. Calculate Maximum TSS Load Removed ( $L_R$ ) for this Drainage Basin by the selected BMP Type.			
RG-348 Page 3-33 Equation 3.7: $L_R = (BMP \text{ efficiency}) \times P \times (A_I \times 34.6 + AP \times 0.54)$			
where: $A_I$ = Total On-Site drainage area in the BMP catchment area $A_P$ = Impervious area proposed in the BMP catchment area $A_N$ = Pervious area remaining in the BMP catchment area $L_R$ = TSS Load removed from this catchment area by the proposed BMP $A_I$ = <b>87.53</b> acres $A_P$ = <b>26.39</b> acres $A_N$ = <b>58.14</b> acres $L_R$ = <b>31,197.10</b> lbs.			
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area			
Desired $L_R$ THIS BASIN = <b>30,000.00</b> lbs. $F$ = <b>0.96</b>			
6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.			
Calculations from RG-348 Pages 3-36 to 3-37 Rainfall Depth = <b>2.80</b> inches Post Development Runoff Coefficient = <b>0.28</b> On-site Water Quality Volume = <b>245,551.53</b> cubic feet Off-site area draining to BMP = <b>132.16</b> acres Off-site impervious cover draining to BMP = <b>26.39</b> acres Impervious fraction of off-site area = <b>0.02</b> Off-site Runoff Coefficient = <b>0.02</b> Off-site Water Quality Volume = <b>26,865.48</b> cubic feet Storage for Sediment = <b>54,483.40</b> Total Capture Volume (required water quality volume(s) $\times 1.20$ ) = <b>328,900.42</b> cubic feet The following sections are used to calculate the required water quality volume(s) for the selected BMP. The values for BMP Types not selected in cell C45 will show NA. 11. Wet Basins Required capacity of Permanent Pool = <b>328,900.42</b> cubic feet Required capacity at WQV Elevation = <b>596,317.43</b> cubic feet Permanent Pool Capacity is 1.20 times the WQV Total Capacity should be the Permanent Pool Capacity plus a second WQV.			

Texas Commission on Environmental Quality		Project Name: <b>Butler (Ultimate Development)</b> Date Prepared: <b>3/18/2020</b>	
TSS Removal Calculations 04-20-2009			
Additional Information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. Characters shown in red are data entry fields. Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.			
1. The Required Load Reduction for the total project:		Calculations from RG-348 Pages 3-27 to 3-30	
Page 3-29 Equation 3.3: $L_{TSS} = 27.2(AN \times P)$			
where: $L_{TSS}$ = Required TSS removal resulting from the proposed development = 80% of increased load $A_N$ = Net increase in impervious area for the project $P$ = Average annual precipitation, inches			
Site Data: Determine Required Load Removal Based on the Entire Project County = <b>Williamson</b> Total project area included in plan = <b>367.34</b> acres Predevelopment impervious area within the limits of the plan = <b>135.30</b> acres Total post-development impervious area within the limits of the plan = <b>135.30</b> acres Total post-development impervious cover fraction = <b>0.37</b> $P$ = <b>32.00</b> inches $L_{TSS}$ = <b>117,767.16</b> lbs. * The values entered in these fields should be for the total project area.			
Number of drainage basins / outfalls areas leaving the plan area = <b>2.00</b>			
2. Drainage Basin Parameters (This information should be provided for each basin):			
Drainage Basin/Outfall Area No. = <b>B1</b> Total drainage basin/outfall area = <b>213.25</b> acres Predevelopment impervious area within drainage basin/outfall area = <b>101.84</b> acres Post-development impervious area within drainage basin/outfall area = <b>101.84</b> acres Post-development impervious fraction within drainage basin/outfall area = <b>0.48</b> $L_{TSS}$ = <b>88,641.54</b> lbs.			
3. Indicate the proposed BMP Code for this basin.			
Proposed BMP = <b>Wet Basin</b> Removal efficiency = <b>93.00</b> percent Aqualogic Cartridge Filter Bioretention Context Storm Filter Constructed Wetland Extended Detention Grassy Swale Retention / Irrigation Sand Filter Stormceptor Vegetated Filter Strips Vortechs Wet Basin Wet Vault			
4. Calculate Maximum TSS Load Removed ( $L_R$ ) for this Drainage Basin by the selected BMP Type.			
RG-348 Page 3-33 Equation 3.7: $L_R = (BMP \text{ efficiency}) \times P \times (A_I \times 34.6 + AP \times 0.54)$			
where: $A_I$ = Total On-Site drainage area in the BMP catchment area $A_P$ = Impervious area proposed in the BMP catchment area $A_N$ = Pervious area remaining in the BMP catchment area $L_R$ = TSS Load removed from this catchment area by the proposed BMP $A_I$ = <b>213.25</b> acres $A_P$ = <b>101.84</b> acres $A_N$ = <b>111.41</b> acres $L_R$ = <b>106,654.64</b> lbs.			
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area			
Desired $L_R$ THIS BASIN = <b>95,000.00</b> lbs. $F$ = <b>0.89</b>			
6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.			
Calculations from RG-348 Pages 3-34 to 3-36 Rainfall Depth = <b>1.80</b> inches Post Development Runoff Coefficient = <b>0.35</b> On-site Water Quality Volume = <b>427,854.89</b> cubic feet Off-site area draining to BMP = <b>37.17</b> acres Off-site impervious cover draining to BMP = <b>37.17</b> acres Impervious fraction of off-site area = <b>0.02</b> Off-site Runoff Coefficient = <b>0.02</b> Off-site Water Quality Volume = <b>4,317.67</b> cubic feet Storage for Sediment = <b>88,434.51</b> Total Capture Volume (required water quality volume(s) $\times 1.20$ ) = <b>518,607.07</b> cubic feet The following sections are used to calculate the required water quality volume(s) for the selected BMP. The values for BMP Types not selected in cell C45 will show NA. 11. Wet Basins Required capacity of Permanent Pool = <b>518,607.07</b> cubic feet Required capacity at WQV Elevation = <b>850,778.63</b> cubic feet Permanent Pool Capacity is 1.20 times the WQV Total Capacity should be the Permanent Pool Capacity plus a second WQV.			



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STATE OF TEXAS SHERVIN MOOSHIN LICENSED PROFESSIONAL ENGINEER 96807 09/16/2020		WATER QUALITY PLAN (ULTIMATE) BUTLER FARMS PHASE ONE MAIN INFRASTRUCTURE CONSTRUCTION PLANS LIBERTY HILL, TEXAS	
DESIGNED BY: <b>BN/MK/CP</b>			
DRAWN BY: <b>MK/G/AA/CC</b>			
CHECKED BY: <b>BB/BN/SH</b>			
APPROVED BY: <b>JW</b>			
SHEET <b>59</b> OF <b>121</b>			





WET BASIN A

WET BASIN B

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **Butler (Phase 1 Spine Infrastructure)**  
Date Prepared: **3/18/2020**

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

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

Page 3-29 Equation 3.3:  $L_d = 27.2(AN \times P)$

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

Site Data: Determine Required Load Removal Based on the Entire Project County = **Williamson**

Total project area included in plan = **198.00** acres  
Predevelopment impervious area within the limits of the plan = **10.05** acres  
Total post-development impervious area within the limits of the plan = **10.05** acres  
Total post-development impervious cover fraction = **0.05**  
 $P$  = **32.00** inches

$L_{d(TOTAL PROJECT)}$  = **8,747.52** lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = **2.00**

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

Drainage Basin/Outfall Area No. = **A1**

Total drainage basin/outfall area = **85.42** acres  
Predevelopment impervious area within drainage basin/outfall area = **5.02** acres  
Post-development impervious area within drainage basin/outfall area = **5.02** acres  
Post-development impervious fraction within drainage basin/outfall area = **0.06**  
 $L_{d(THIS BASIN)}$  = **4,373.14** lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Wet Basin**  
Removal efficiency = **93.00** percent

Aquatic Cartridge Filter  
Biosetion  
Context StormFilter  
Constructed Wetland  
Extended Detention  
Grassy Swale  
Retention / Irrigation  
Sand Filter  
Stormceptor  
Vegetated Filter Strips  
Vortechs  
Wet Basin  
Wet Vault

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

RG-348 Page 3-33 Equation 3.7:  $L_d = (BMP \text{ efficiency}) \times P \times (A_i \times 34.6 + AP \times 0.54)$

where:  $A_i$  = Total On-Site drainage area in the BMP catchment area  
 $A_p$  = Impervious area proposed in the BMP catchment area  
 $A_r$  = Previous area remaining in the BMP catchment area  
 $L_d$  = TSS Load removed from this catchment area by the proposed BMP

$A_i$  = **85.42** acres  
 $A_p$  = **5.02** acres  
 $A_r$  = **80.40** acres  
 $L_d$  = **6,465.48** lbs

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

Desired  $L_{d(THIS BASIN)}$  = **5,600.00** lbs.  
 $F$  = **0.85**

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

Rainfall Depth = **1.32** inches  
Post Development Runoff Coefficient = **0.09**  
On-site Water Quality Volume = **35,151.15** cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = **132.16** acres  
Off-site impervious cover draining to BMP = **-** acres  
Impervious fraction of off-site area = **-**  
Off-site Runoff Coefficient = **0.02**  
Off-site Water Quality Volume = **12,665.18** cubic feet

Storage for Sediment = **9,563.26**  
Total Capture Volume (required water quality volume(s)  $\times 1.20$ ) = **57,378.57** cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.  
The values for BMP Types not selected in cell C45 will show NA.

11. Wet Basins

Designed as Required in RG-348 Pages 3-66 to 3-71

Required capacity of Permanent Pool = **57,378.57** cubic feet  
Required capacity at WQV Elevation = **105,195.87** cubic feet

Permanent Pool Capacity is 1.20 times the WQV  
Total Capacity should be the Permanent Pool Capacity plus a second WQV.

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **Butler (Phase 1 Spine Infrastructure)**  
Date Prepared: **3/18/2020**

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.  
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.  
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1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3:  $L_d = 27.2(AN \times P)$

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

Site Data: Determine Required Load Removal Based on the Entire Project County = **Williamson**

Total project area included in plan = **367.34** acres  
Predevelopment impervious area within the limits of the plan = **10.05** acres  
Total post-development impervious area within the limits of the plan = **10.05** acres  
Total post-development impervious cover fraction = **0.03**  
 $P$  = **32.00** inches

$L_{d(TOTAL PROJECT)}$  = **8,747.52** lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = **2.00**

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

Drainage Basin/Outfall Area No. = **B1**

Total drainage basin/outfall area = **185.97** acres  
Predevelopment impervious area within drainage basin/outfall area = **2.52** acres  
Post-development impervious area within drainage basin/outfall area = **0.01** acres  
Post-development impervious fraction within drainage basin/outfall area = **0.01**  
 $L_{d(THIS BASIN)}$  = **2,196.74** lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Wet Basin**  
Removal efficiency = **93.00** percent

Aquatic Cartridge Filter  
Biosetion  
Context StormFilter  
Constructed Wetland  
Extended Detention  
Grassy Swale  
Retention / Irrigation  
Sand Filter  
Stormceptor  
Vegetated Filter Strips  
Vortechs  
Wet Basin  
Wet Vault

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

RG-348 Page 3-33 Equation 3.7:  $L_d = (BMP \text{ efficiency}) \times P \times (A_i \times 34.6 + AP \times 0.54)$

where:  $A_i$  = Total On-Site drainage area in the BMP catchment area  
 $A_p$  = Impervious area proposed in the BMP catchment area  
 $A_r$  = Previous area remaining in the BMP catchment area  
 $L_d$  = TSS Load removed from this catchment area by the proposed BMP

$A_i$  = **185.97** acres  
 $A_p$  = **2.52** acres  
 $A_r$  = **183.45** acres  
 $L_d$  = **5,546.83** lbs

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

Desired  $L_{d(THIS BASIN)}$  = **4,000.00** lbs.  
 $F$  = **0.72**

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

Rainfall Depth = **0.93** inches  
Post Development Runoff Coefficient = **0.04**  
On-site Water Quality Volume = **20,407.32** cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = **52.05** acres  
Off-site impervious cover draining to BMP = **-** acres  
Impervious fraction of off-site area = **-**  
Off-site Runoff Coefficient = **0.02**  
Off-site Water Quality Volume = **3,143.99** cubic feet

Storage for Sediment = **4,710.26**  
Total Capture Volume (required water quality volume(s)  $\times 1.20$ ) = **28,281.57** cubic feet

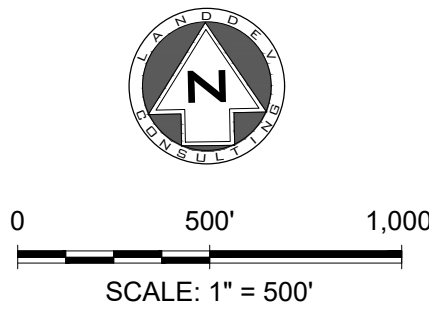
The following sections are used to calculate the required water quality volume(s) for the selected BMP.  
The values for BMP Types not selected in cell C45 will show NA.

11. Wet Basins

Designed as Required in RG-348 Pages 3-66 to 3-71

Required capacity of Permanent Pool = **28,281.57** cubic feet  
Required capacity at WQV Elevation = **51,812.89** cubic feet

Permanent Pool Capacity is 1.20 times the WQV  
Total Capacity should be the Permanent Pool Capacity plus a second WQV.



P:\Main\Drawings\2020\Butler\03-AC\Drawings\WATER QUALITY\PLAN.dwg WQ PLAN, October 05, 2020, 1:52 PM, gahaw

811

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AUSTIN, TX 78735  
OFFICE: 512.872.6696  
FAX: 512.872.6696

STATE OF TEXAS  
SHERVIN MOOSHIN  
96807  
LICENSED PROFESSIONAL ENGINEER

09/16/2020

WATER QUALITY PLAN  
(INTERIM)

BUTLER FARMS PHASE ONE  
MAIN INFRASTRUCTURE  
CONSTRUCTION PLANS  
LIBERTY HILL, TEXAS

DESIGNED BY: **BN/MK/CP**

DRAWN BY: **MK/GJ/AA/CC**

CHECKED BY: **BB/BN/SH**

APPROVED BY: **JW**

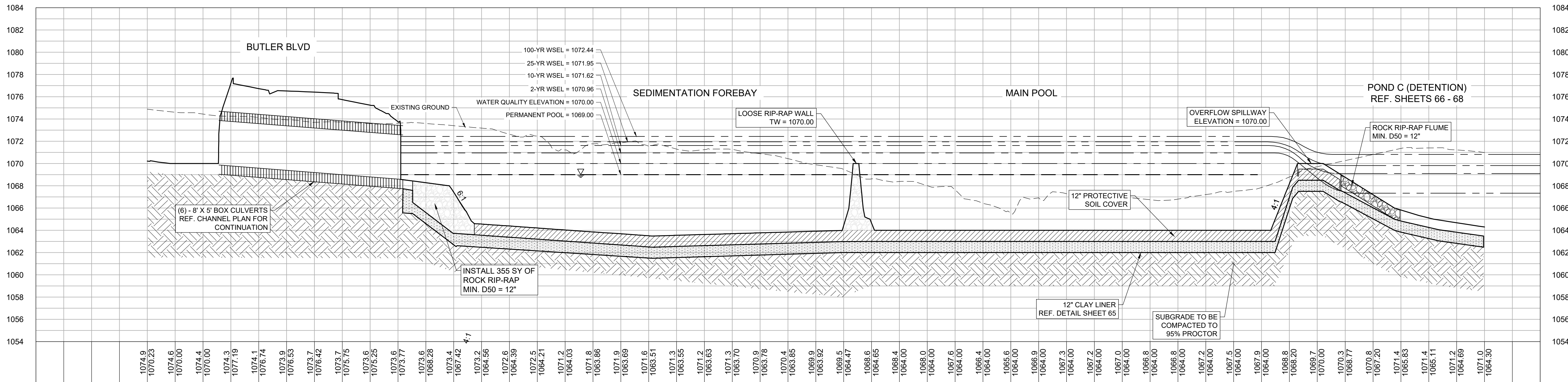
SHEET **60** OF **121**



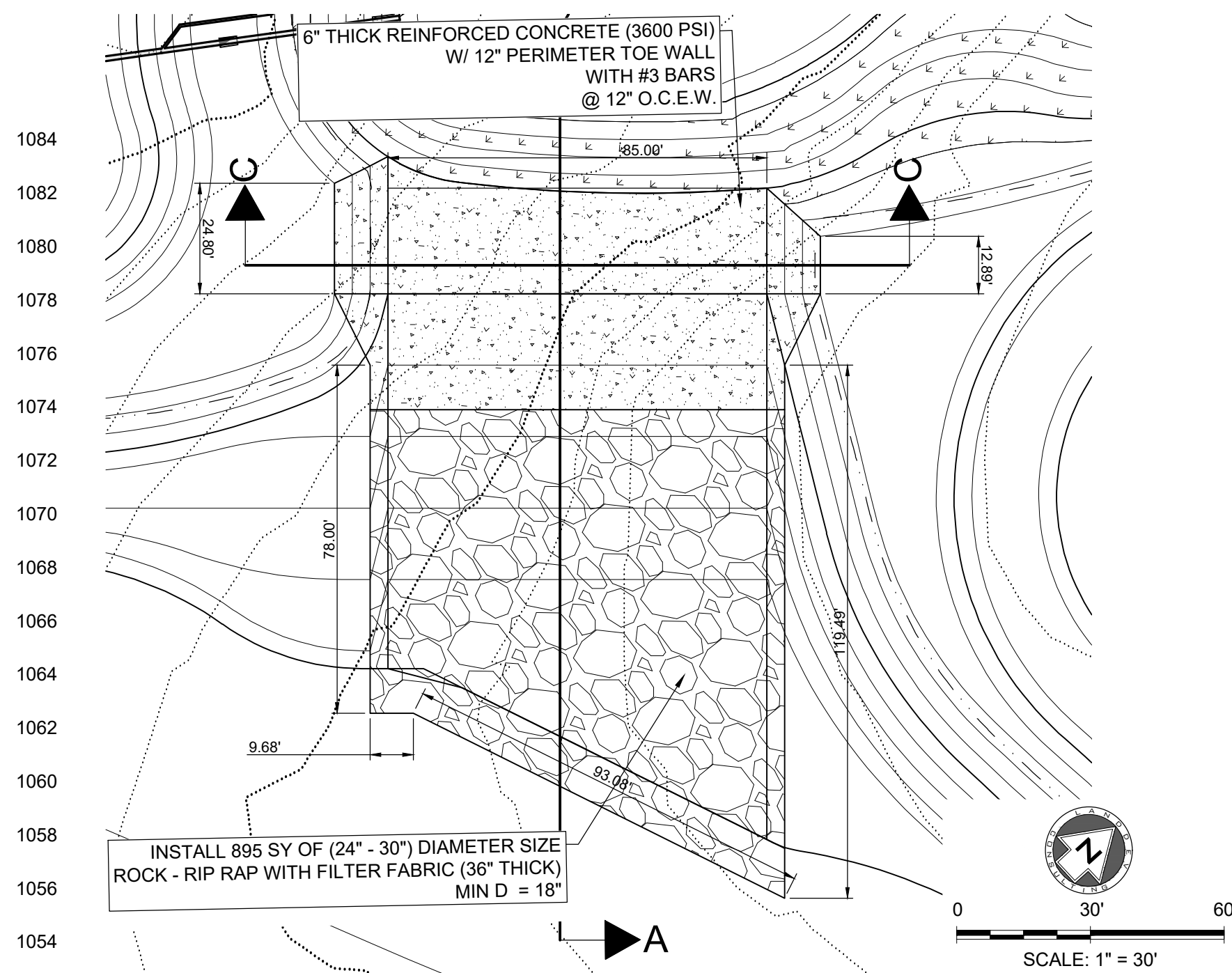
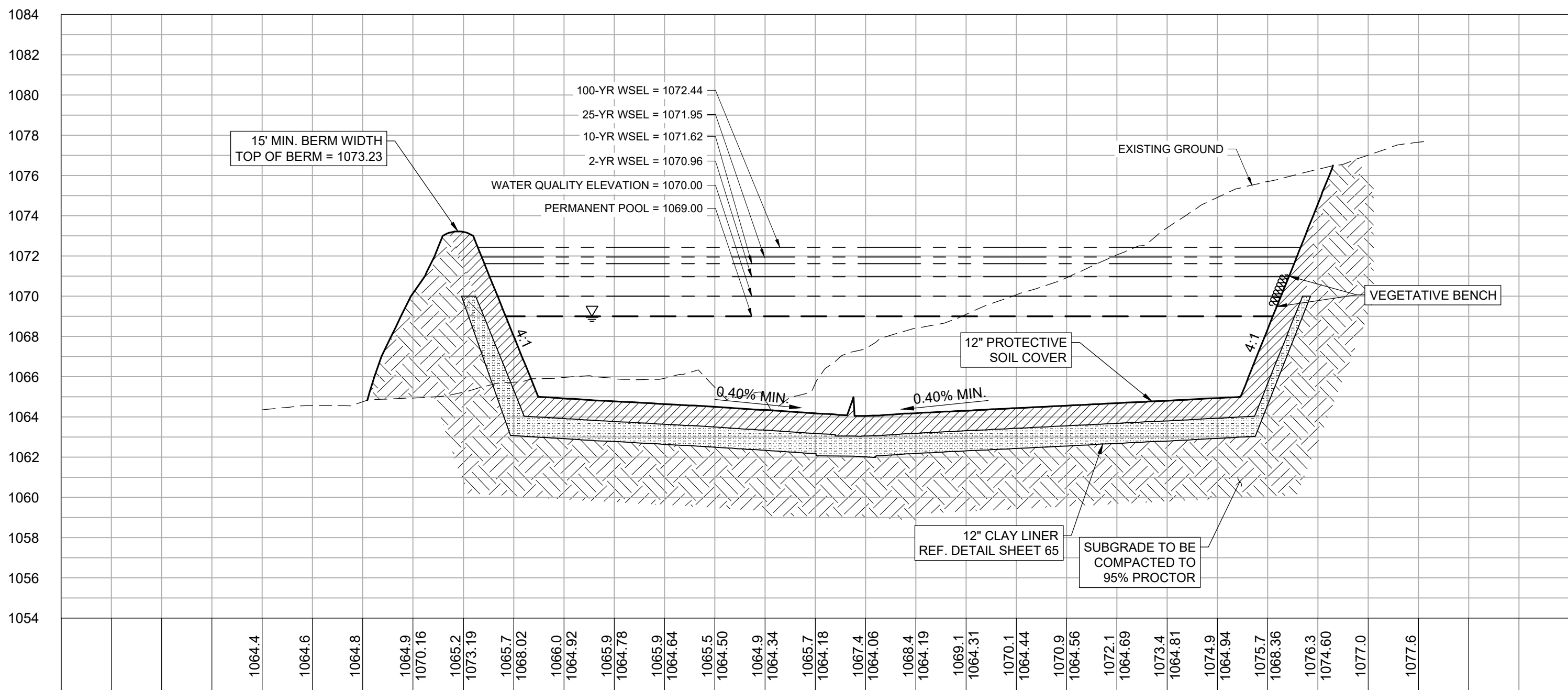




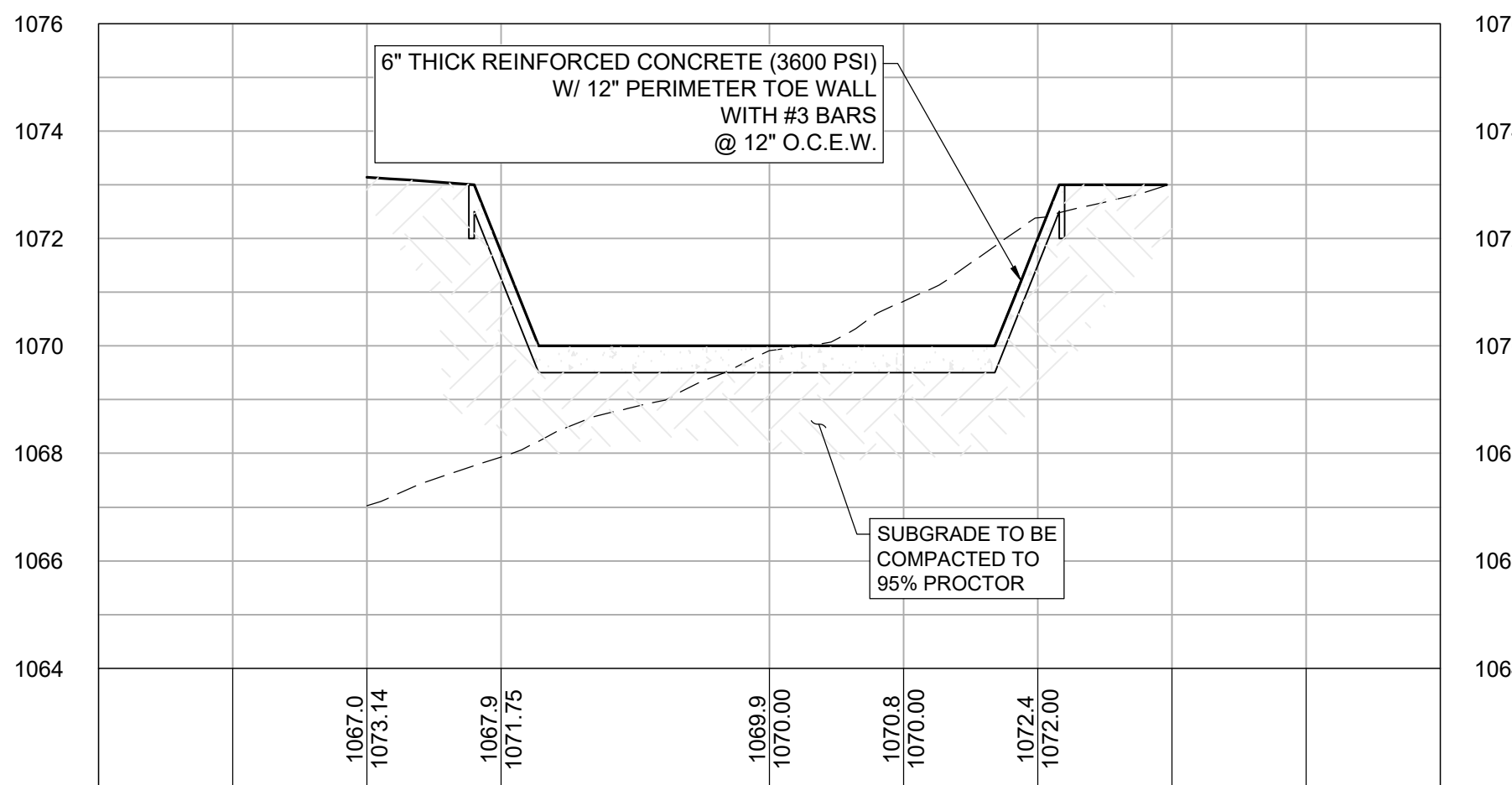
POND A SECTION A-A



POND A SECTION B-B

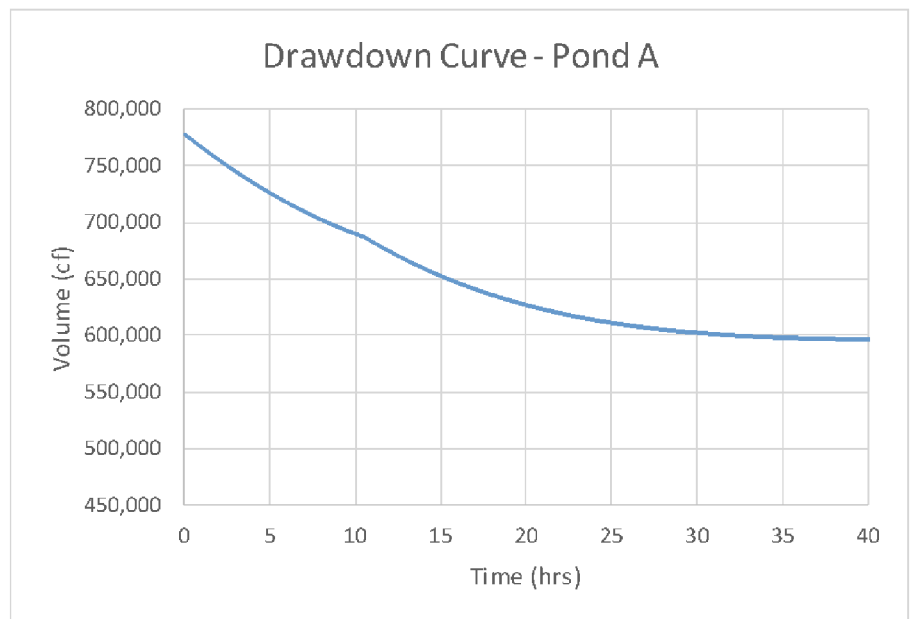


POND A SECTION C-C



Drawdown Calculations - Pond A			
WQV:	777,994	cf	
PPV:	595,368	cf	
WQE:	1070.00	msl	
PPE:	1069.00	msl	
Outlet Flowline:	1069.00	msl	
Outlet Diameter, D:	6	in	
Slope, S:	0.01	ft/ft	
Outlet Area, A:	0.196	sf	
Chart:	2, Circular CM		
Nomograph Scale:	2, Mitered to Slope		
Unsubmerged K:	0.021		
Ku:	1		
Unsubmerged M:	1.33		
Submerged c:	0.0463		
Submerged Y:	0.75		
Calculation Timestep:	1	minute	
Drawdown Time:	37.95	hrs	

Drawdown Calculation Summary - Pond A			
Time (hrs)	WSEL	Volume (cf)	Discharge (cfs)
0	1070.00	777,994	3.34
1	1069.94	766,272	3.17
2	1069.88	755,188	2.99
3	1069.82	744,743	2.81
4	1069.76	734,937	2.63
5	1069.71	725,769	2.46
6	1069.67	717,239	2.28
12	1069.43	673,862	2.26
16	1069.28	646,004	1.63
20	1069.17	626,328	1.12
24	1069.10	613,043	0.74
37.95	1069.00	595,368	-



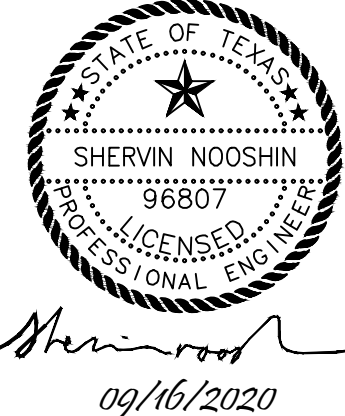
Stage-Storage Table - Wet Pond A					
Elevation	Sed. Basin Area (sf)	Wet Pond Area (sf)	Combined Area (sf)	Area (ac)	Sed Basin Volume (cf)
1064.00	29,182	66,889	96,071	2.20549	0
1065.00	34,498	71,280	105,778	2.42833	31,803
1066.00	36,849	77,839	114,688	2.63287	67,470
1067.00	39,344	82,264	121,608	2.79174	105,560
1068.00	42,643	89,275	131,918	3.02842	146,542
1068.90	50,002	95,237	145,239	3.33423	188,188
1069.00	48,250	101,478	149,728	3.43728	193,101
1070.00	53,647	163,986	217,633	4.99617	244,025
1071.00		168,334	168,334	3.86442	0
1072.00		181,123	181,123	4.15801	0
1073.00		190,507	190,507	4.37345	0

Elevation-Discharge Table - Pond A		
Storm Event	Water Surface Elevation	Discharge (cfs)
2-Year	1070.90	232-cfs
10-Year	1071.50	513-cfs
25-Year	1071.80	679-cfs
100-Year	1072.30	952-cfs

Required Sediment Forebay Volume	78,609
Provided Sediment Forebay Volume	118,910
Permanent Pond Depth:	5.00
Pond Berm Elevation:	1073.23
Water Quality Elevation:	1070.00
Spillway Elevation:	1070.00
Head required to pass Q25:	1.96
Max WSEL to pass Q25:	1071.96
Freeboard Provided to pass Q25:	1.27
Head required to pass Q100:	2.42
Max WSEL to pass Q100:	1072.42
Freeboard Provided to pass Q100:	0.81



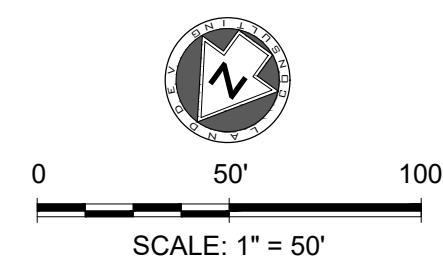
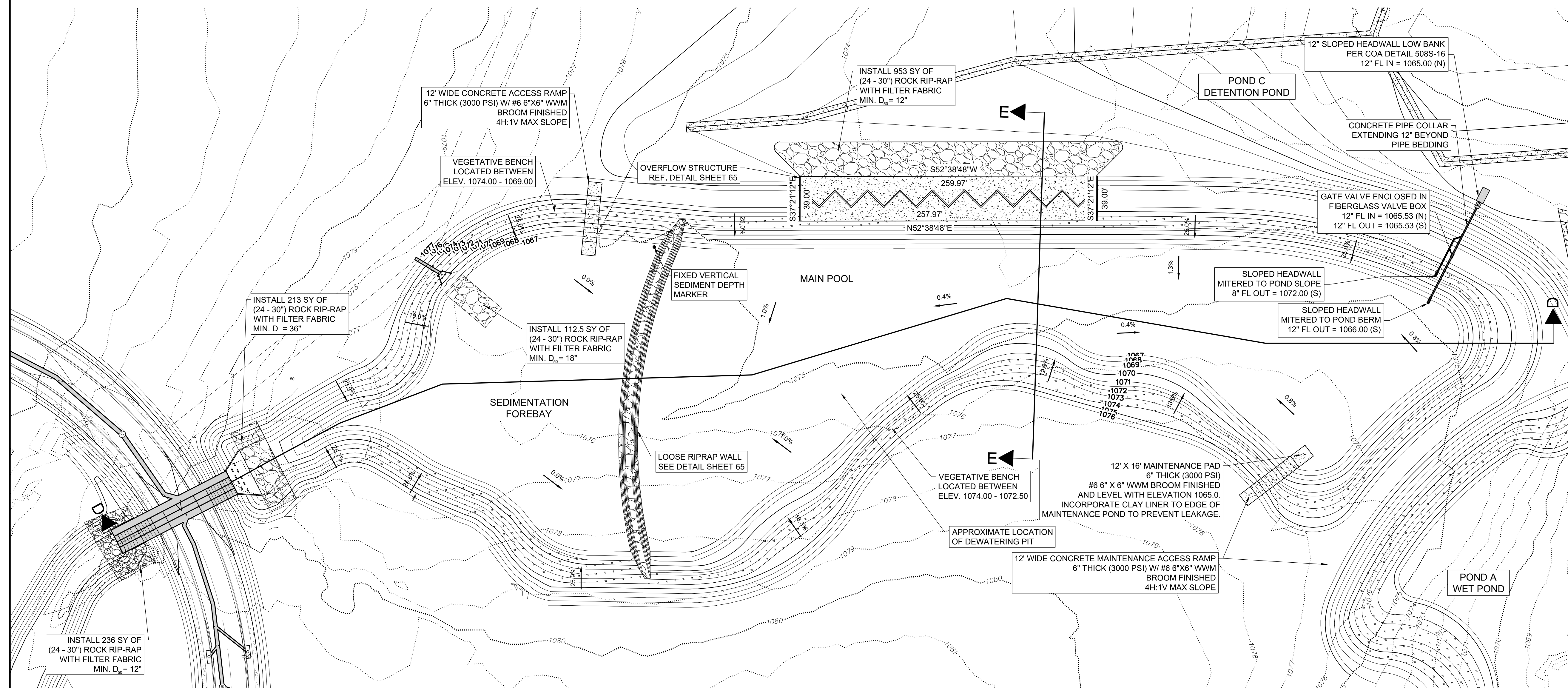
**LAND DEV**  
CONSULTING, LLC  
5508 HIGHWAY 290 WEST, SUITE 150  
AUSTIN, TX 78735  
OFFICE: 512.872.6696  
FIRM NO. 16384



**WATER QUALITY POND A SECTIONS**  
**BUTLER FARMS PHASE ONE**  
**MAIN INFRASTRUCTURE**  
**CONSTRUCTION PLANS**  
LIBERTY HILL, TEXAS

DESIGNED BY: BN/MK/EP  
DRAWN BY: MKG/AA/ED  
CHECKED BY: BB/BN/SH  
APPROVED BY: JW  
SHEET **62** OF **121**





**NOTE:**  
SEE GEOTECH REPORT FOR CLAY LINER  
RECOMMENDATIONS AND GUIDELINES.

NOTE: CONTRACTOR TO INSTALL VEGETATIVE BENCH PLANTS IN ACCORDANCE WITH TCEQ RG-348 SECTION 3.4.9(7).

## DEWATERING PLAN NOTES:

1. CONTRACTOR SHALL MAINTAIN THE DEWATERING SYSTEM TO ENSURE PERFORMANCE. IF THE DEWATERING SYSTEM IS NOT PERFORMING, THE CONTRACTOR MUST IMMEDIATELY MAKE THE NECESSARY MODIFICATIONS, FOLLOWING THE ENVIRONMENTAL INSPECTOR'S DIRECTION TO ENSURE ADEQUATE SYSTEM PERFORMANCE. CONTRACTOR SHALL PROVIDE THE DEWATERING PLAN AT THE PRECONSTRUCTION MEETING.
2. THE SKIMMER IS TO BE USED DURING CONSTRUCTION AND SHALL BE REMOVED AFTER COMPLETING CONSTRUCTION OF THE WET POND.

ACCESS DRIVE NOTES:

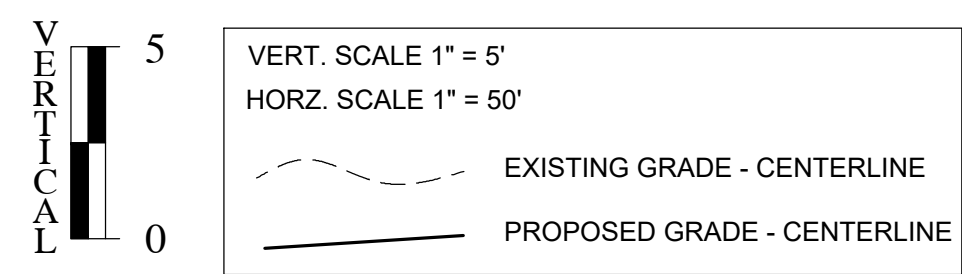
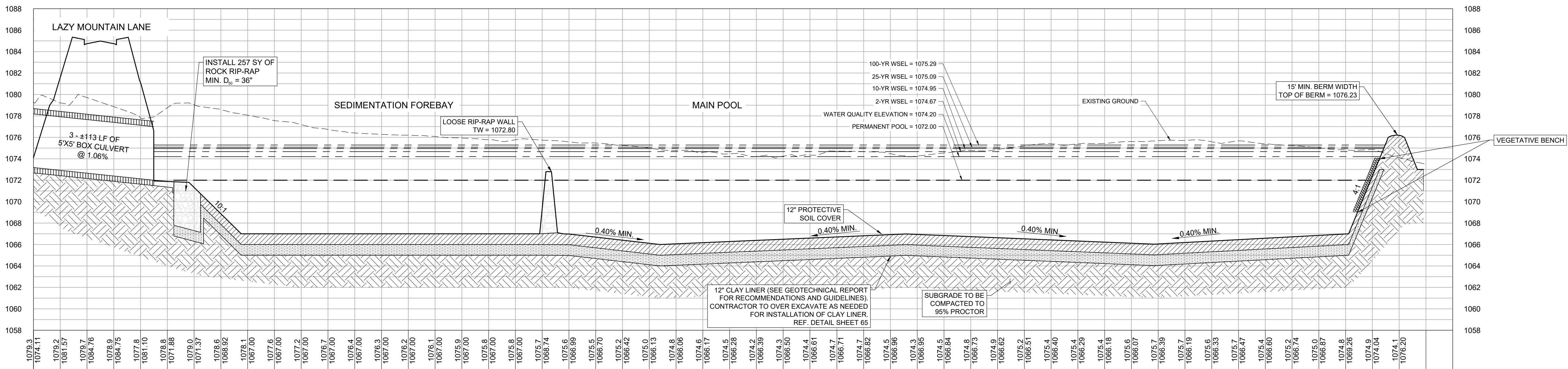
1. FOR THE CONCRETE MAINTENANCE ACCESS THE CONTRACTOR SHALL INSTALL CONTRACTION JOINTS EVERY 12 FEET.

NOTES:

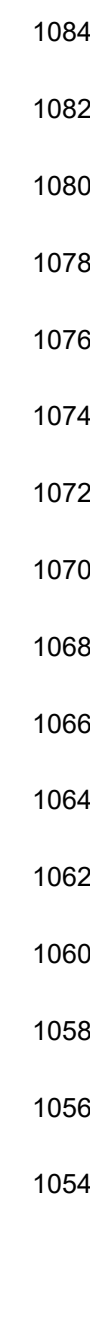
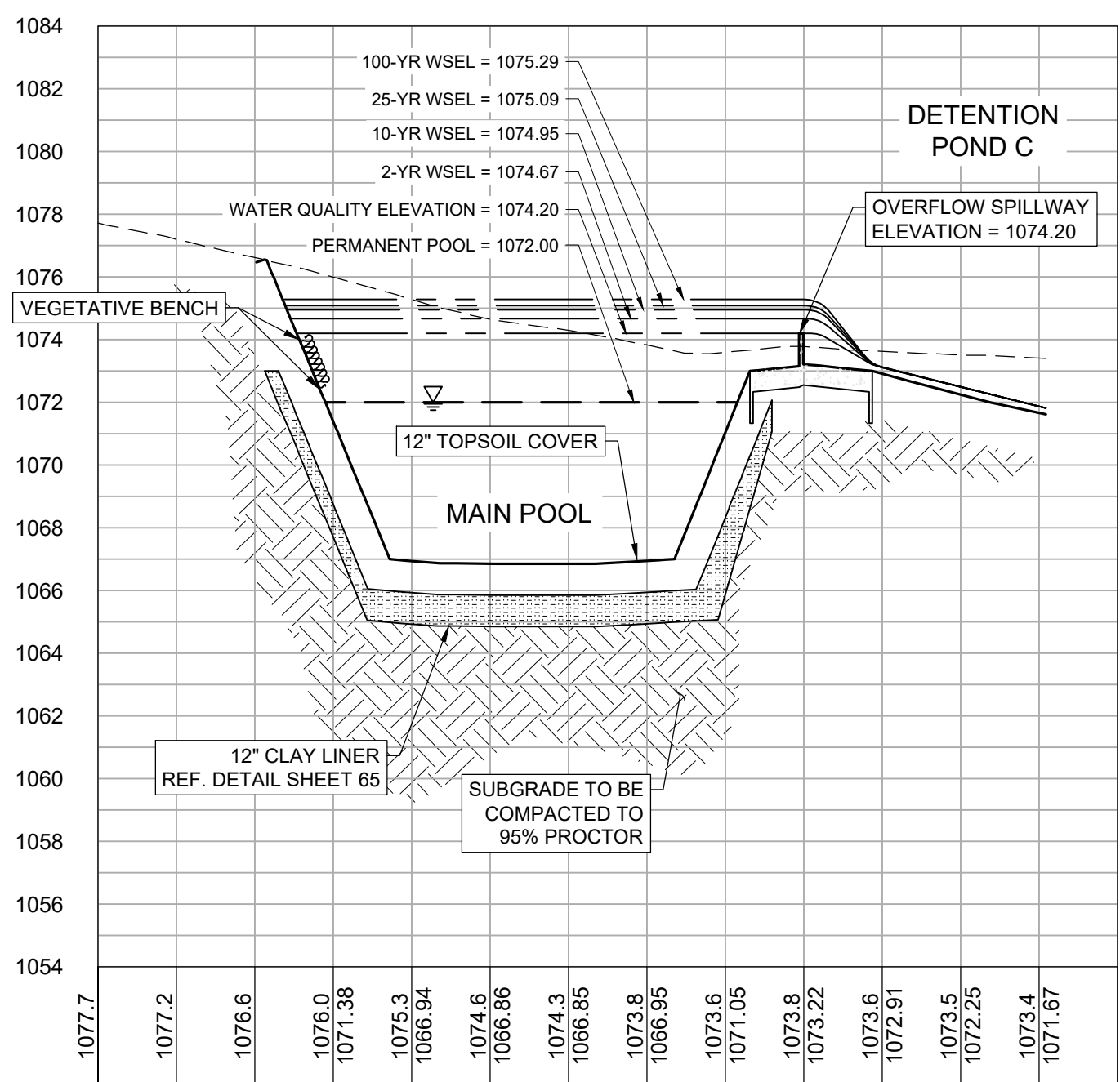
1. ALL POND BOTTOMS, SIDE SLOPES, AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO 95% MAXIMUM DENSITY, IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S RECOMMENDATION AND THE CITY OF LIBERTY HILL STANDARD SPECIFICATIONS. ALLOW ADEQUATE VOLUME FOR TOPSOIL TO SUPPORT VEGETATION.
2. GRADING WITHIN THE  $\frac{1}{2}$  CRITICAL ROOT ZONE OF PROTECTED TREES, IDENTIFIED BY A HATCH PATTERN ON THESE PLANS, SHALL BE LIMITED TO LESS THAN 12 INCHES OF DISTURBANCE. NO GRADING ACTIVITY WITH DISTURBANCE OF MORE THAN 6 INCHES IS ALLOWED IN THE  $\frac{1}{2}$  CRITICAL ROOT ZONE.
3. GRADING WORK WITHIN THE  $\frac{1}{2}$  CRITICAL ROOT ZONE OF PROTECTED TREES SHALL BE DONE BY HAND OR WITH RUBBER TIRED EQUIPMENT.
4. ALL RETAINING WALLS GREATER THAN FOUR FEET IN HEIGHT MEASURED FROM THE BOTTOM OF THE FOOTING TO THE TOP OF THE WALL SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.



### POND B SECTION D-D



## POND B SECTION E-E

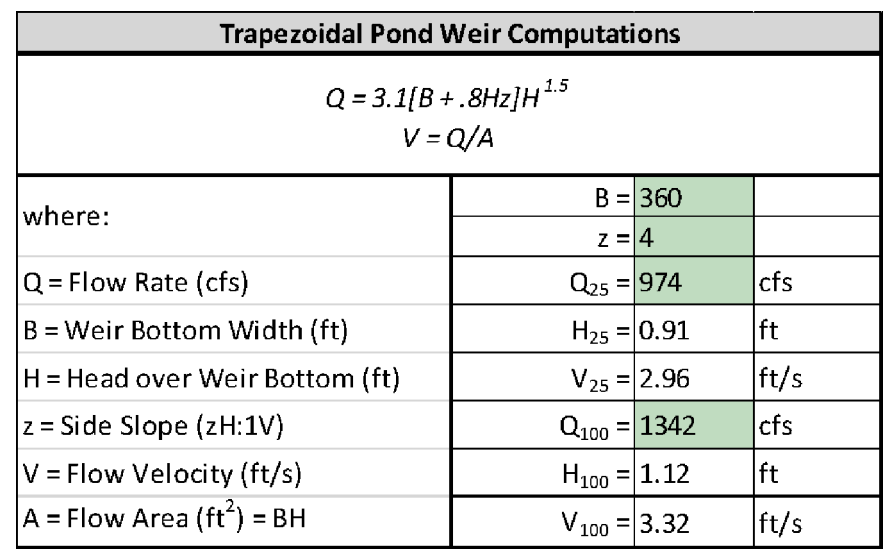
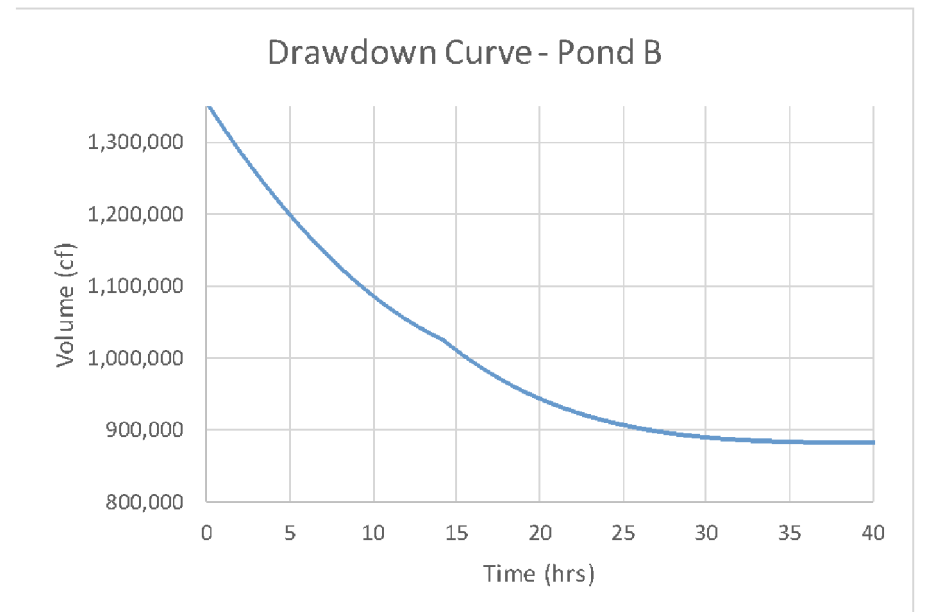


Stage-Storage Table - Wet Pond B						
Elevation	Sed. Basin Area (sf)	Wet Pond Area (sf)	Combined Area (sf)	Area (ac)	Sed Basin Volume (cf)	Total Volume (cf)
1066.00	0	1	1	0.00002	0	0
1067.00	41,606	99,097	140,703	3.23010	13,869	47,026
1068.00	44,787	105,780	150,567	3.45654	57,055	192,634
1069.00	48,128	112,425	160,553	3.68579	103,503	348,167
1070.00	51,659	120,638	172,297	3.95539	153,386	514,557
1071.00	55,381	128,820	184,201	4.22867	206,895	692,773
<b>1072.00</b>	<b>60,817</b>	<b>136,900</b>	<b>197,717</b>	<b>4.53896</b>	<b>264,973</b>	<b>883,692</b>
1073.00	0	211,067	211,067	4.84543	0	1,088,048
1074.00		228,759	228,759	5.25158	0	1,307,902
<b>1074.20</b>		<b>236,451</b>	<b>236,451</b>	<b>5.42817</b>	<b>0</b>	<b>1,354,420</b>
1075.00		238,374	238,374	5.47231	0	1,544,350
1076.00		247,574	247,574	5.68352	0	1,787,309

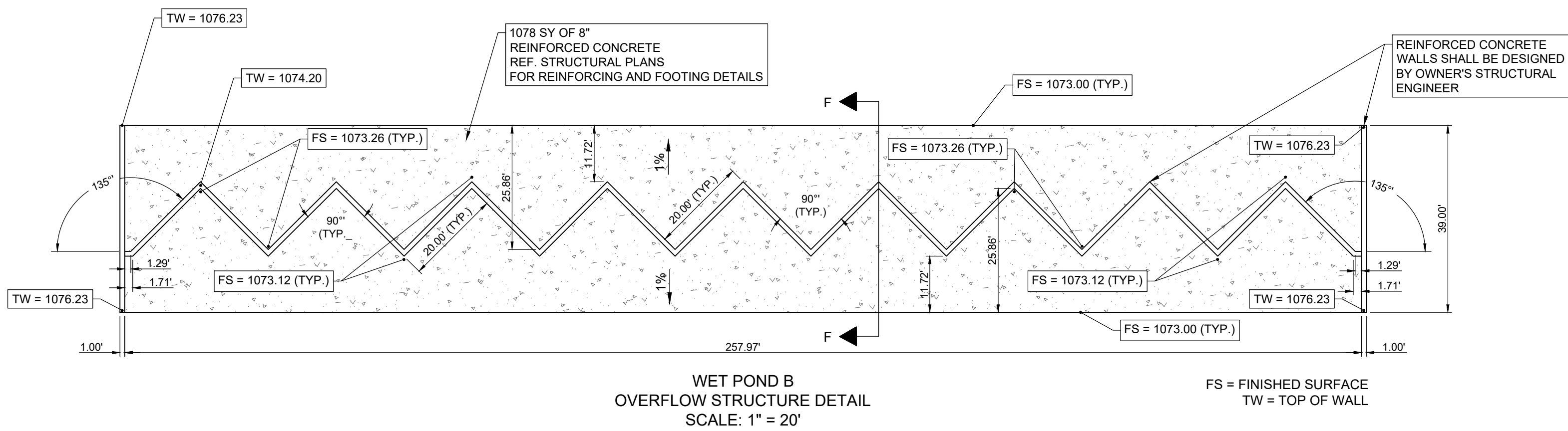
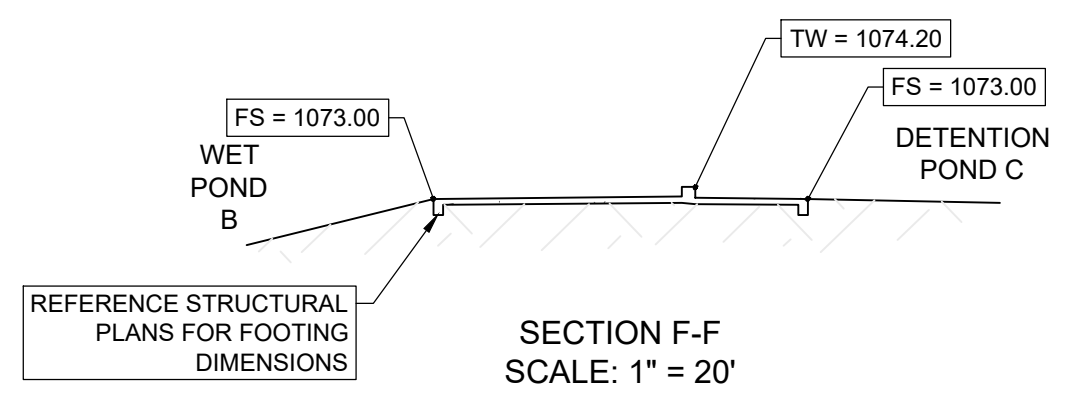
Elevation-Discharge Table - Pond B		
Storm Event	Water Surface Elevation	Discharge (cfs)
2-Year	1074.7	364-cfs
10-Year	1075.0	751-cfs
25-Year	1075.1	974-cfs
100-Year	1075.3	1342-cfs

Drawdown Calculations - Pond B		
WQV:	1,354,420	cf
PPV:	883,692	cf
WQE:	1074.20	msl
PPE:	1072.00	msl
Outlet Flowline:	1072.00	msl
Outlet Diameter, D:	8	in
Slope, S:	0.01	ft/ft
Outlet Area, A:	0.349	sf
Chart:	2, Circular CM	
Nomograph Scale:	2, Mitered to Slope	
Unsubmerged K:	0.021	
Ku:	1	
Unsubmerged M:	1.33	
Submerged c:	0.0463	
Submerged Y:	0.75	
Calculation Timestep:	3	minute
Drawdown Time:	35.73	hrs

Drawdown Calculation Summary - Pond B			
Time (hrs)	WSEL	Volume (cf)	Discharge (cfs)
0	1074.20	1,354,420	9.82
1	1074.04	1,319,928	9.34
2	1073.89	1,287,158	8.86
3	1073.74	1,256,109	8.38
4	1073.60	1,226,784	7.90
5	1073.47	1,199,180	7.42
6	1073.35	1,173,298	6.95
12	1072.80	1,054,183	4.07
16	1072.52	995,121	4.32
20	1072.29	944,731	2.75
24	1072.14	913,764	1.61
35.73	1072.00	883,692	-



Required Sediment Forebay Volume	137,834
Provided Sediment Forebay Volume	266,971
Permanent Pond Depth:	6.00
Pond Berm Elevation:	1076.23
Water Quality Elevation:	1074.20
Spillway Elevation:	1074.20
Head required to pass QZ5:	0.91
Max WSEL to pass QZ5:	1075.11
Freeboard Provided to pass QZ5:	1.12
Head required to pass Q100:	1.12
Max WSEL to pass Q100:	1075.32
Freeboard Provided to pass Q100:	0.91







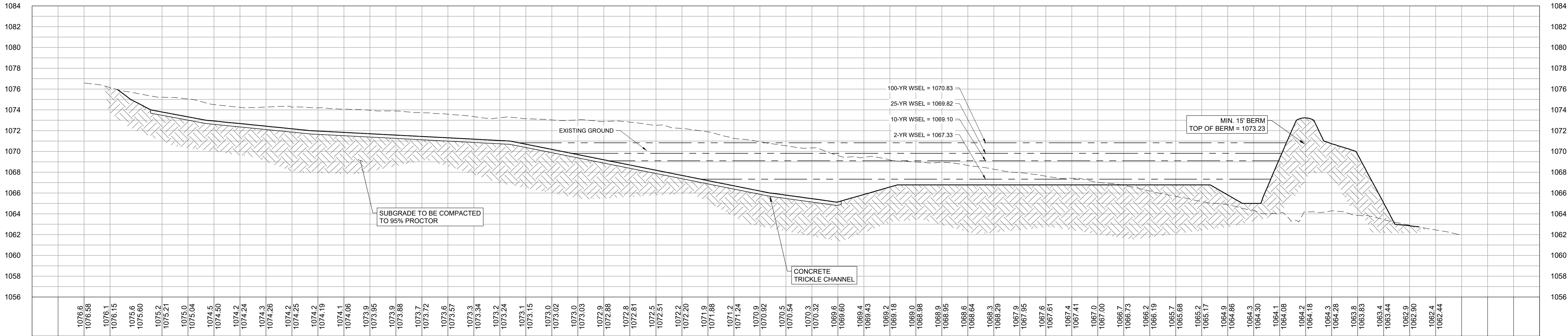




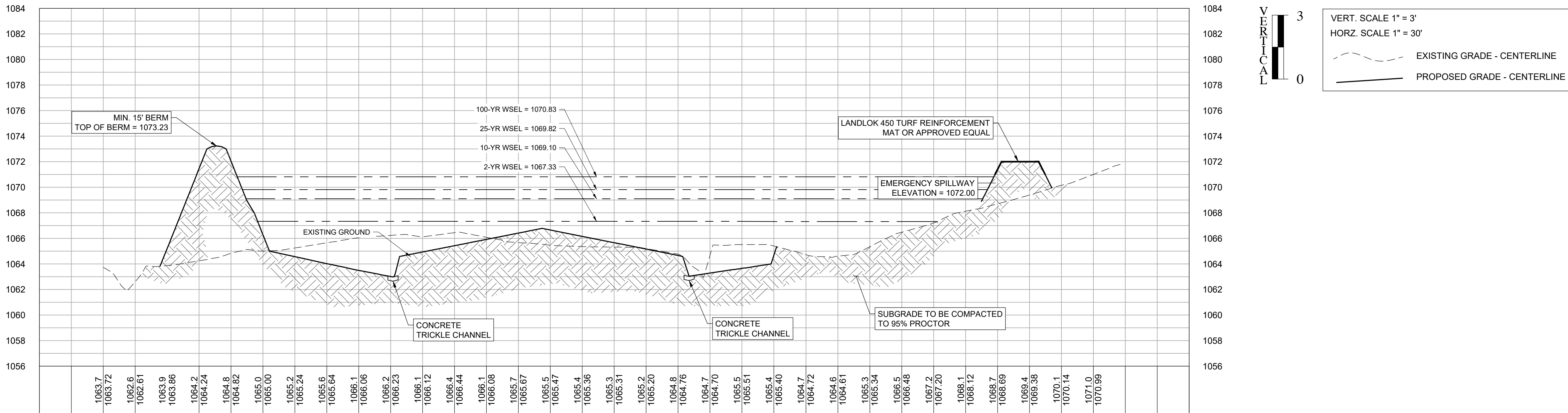


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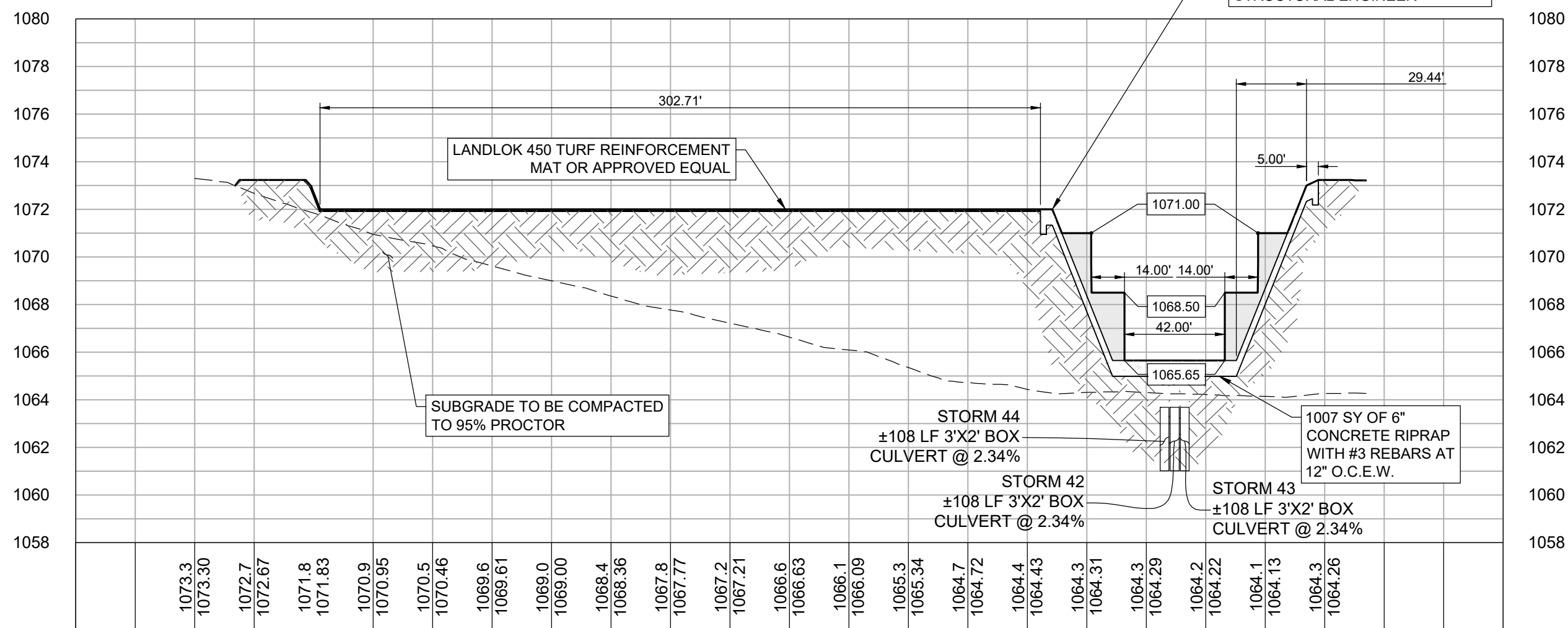
POND C SECTION G-G



POND C SECTION H-H



POND C SECTION I-I



Stage-Storage Table - Detention Pond C			
Elevation	Area (sf)	Area (ac)	Volume (cf)
1062.50	10	0.00023	0
1063.00	4,571	0.10494	799
1064.00	40,944	0.93994	20,531
1065.00	120,120	2.75758	97,596
1066.00	188,070	4.31749	250,427
1067.00	233,444	5.35914	460,775
1068.00	262,393	6.02371	708,553
1069.00	297,970	6.84045	988,546
1070.00	329,023	7.55333	1,301,914
1071.00	358,215	8.22348	1,645,430
1072.00	400,108	9.18522	2,024,398
1073.00	451,101	10.35585	2,449,748

Elevation-Discharge Table - Pond C		
Storm Event	Water Surface Elevation	Discharge (cfs)
2-Year	1067.3	507-cfs
10-Year	1069.1	1168-cfs
25-Year	1069.8	1563-cfs
100-Year	1070.8	2207-cfs

811

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LAND DEV

CONSULTING, LLC  
5508 HIGHWAY 290 WEST, SUITE 150  
AUSTIN, TX 78735  
OFFICE: 512.872.6696  
FIRM NO.: 16384

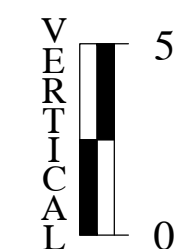
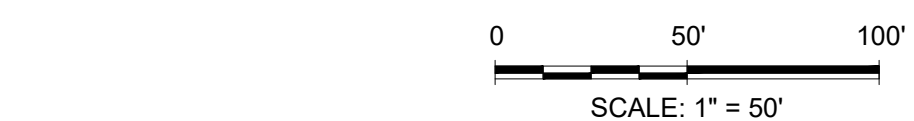
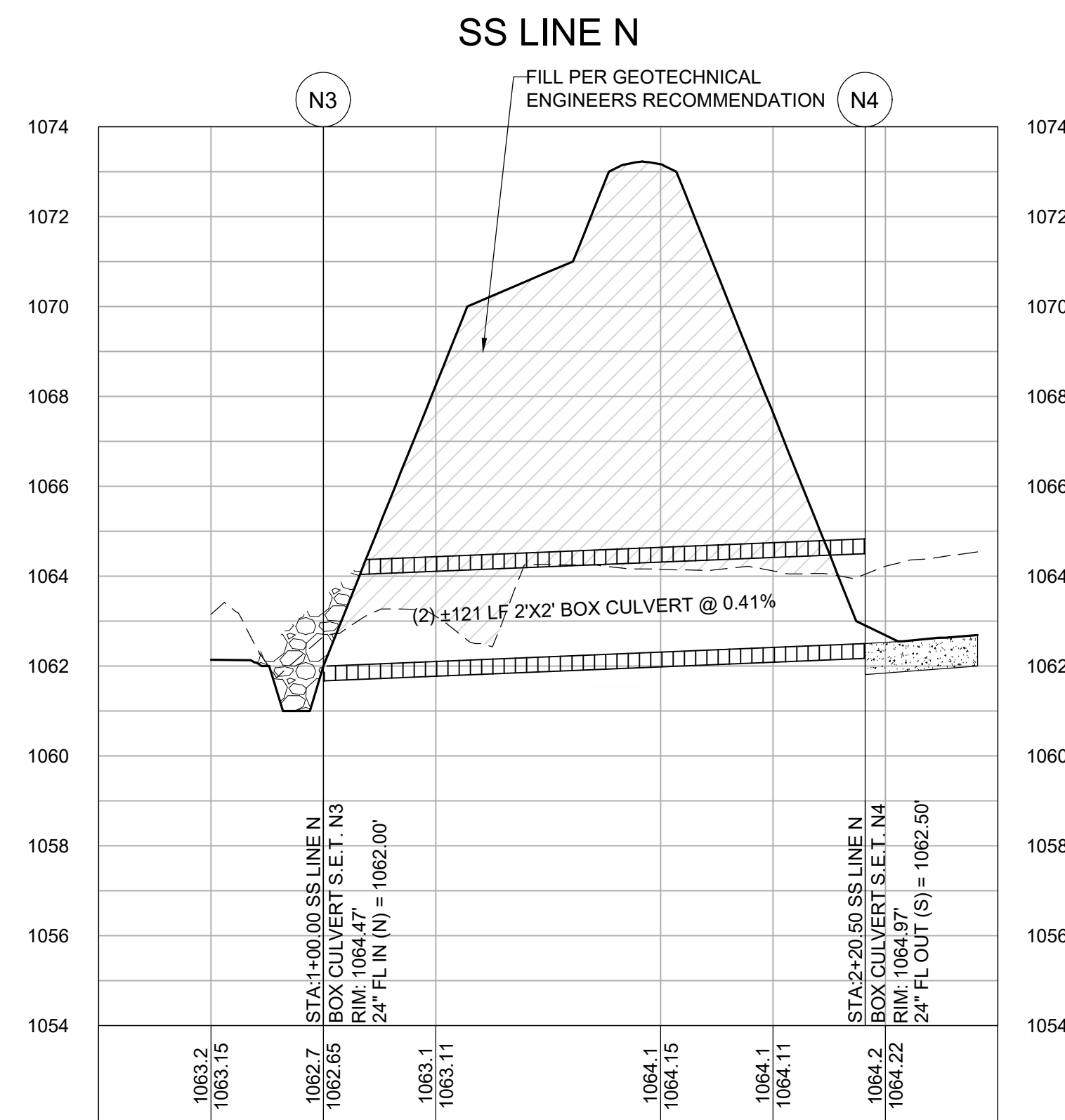
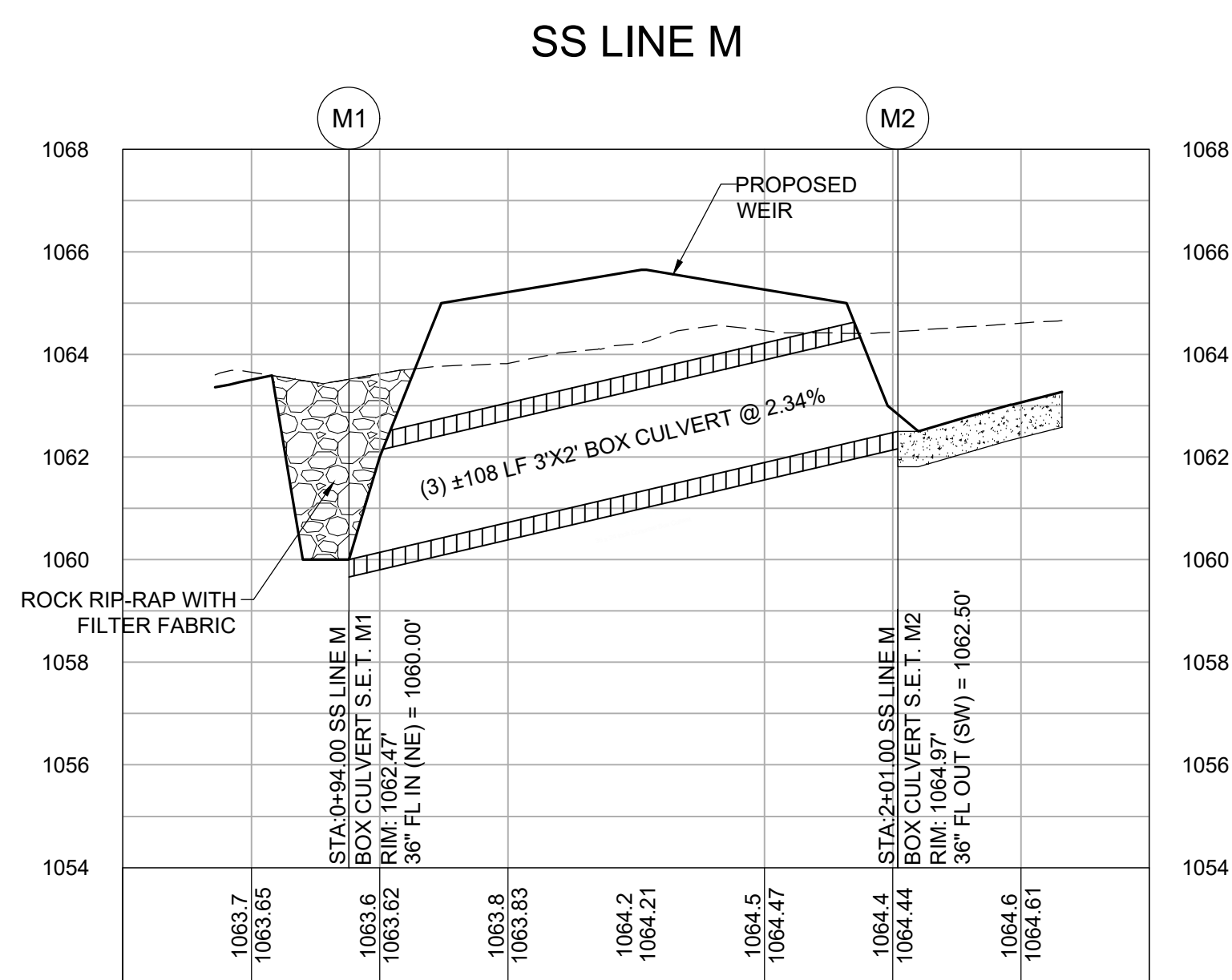
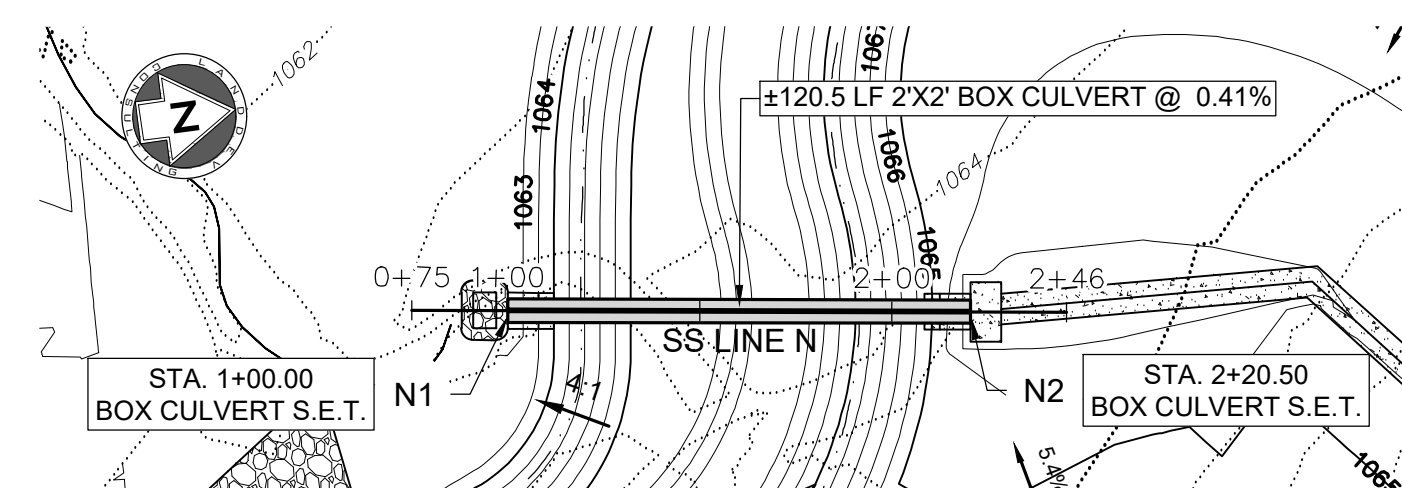
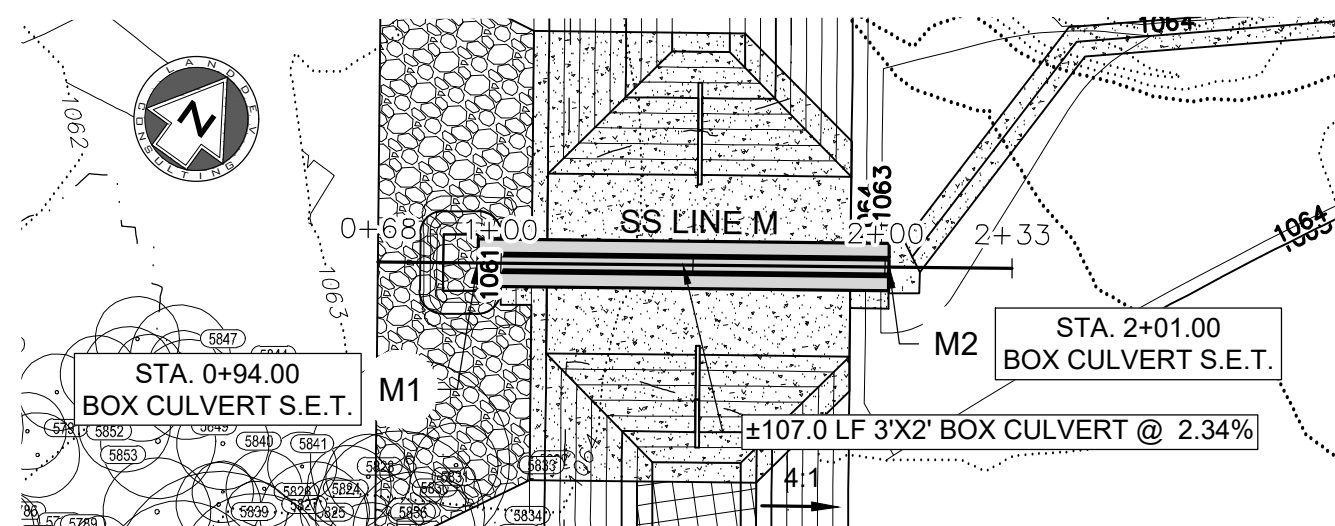
STATE OF TEXAS  
SHERVIN NOOSHIN  
96807  
LICENSED PROFESSIONAL ENGINEER

09/16/2020

DETENTION POND C SECTIONS,  
DETAILS AND CALCULATIONS  
BUTLER FARMS PHASE ONE  
MAIN INFRASTRUCTURE  
CONSTRUCTION PLANS  
LIBERTY HILL, TEXAS

DESIGNED BY:BN/MK/CP  
DRAWN BY:MK/GA/AC/C  
CHECKED BY:BG/BN/BH  
APPROVED BY:JW



























SHEET 67 OF 121



VERT. SCALE 1" = 5'  
HORZ. SCALE 1" = 50'


EXISTING GRADE - CENTERLINE  
PROPOSED GRADE - CENTERLINE

### LEGEND

..... 834 .....	EXISTING MINOR CONTOUR
..... 835 .....	EXISTING MAJOR CONTOUR
——— 834 ———	PROPOSED MINOR CONTOUR
——— 835 ———	PROPOSED MAJOR CONTOUR
=====	BOUNDARY
-----	EASEMENT
-----	FLOODPLAIN
-----	CREEK CENTERLINE
	PROPOSED STORM LINE
	STORM SEWER JUNCTION BOX
	STORM SEWER MANHOLE
	CURB INLET
	AREA INLET
	GRATE INLET
	YARD INLET
	CONCRETE HEADWALL
	UPLAND SLOPED HEADWALL
	LOW BANK SLOPED HEADWALL
	WATER LINE
	FIRE HYDRANT
	WATER VALVE
	METER/FIRE METER
	BACKFLOW PREVENTER
	DRAIN VALVE
	AUTOMATIC AIR RELEASE VALVE
	FLUSH VALVE
	FIRE DEPARTMENT CONNECTION
	SINGLE WATER SERVICE
	DOUBLE WATER SERVICE
	WASTE WATER LINE
	WASTEWATER MANHOLE
	WASTEWATER CLEANOUT
	SINGLE WASTEWATER SERVICE
	DOUBLE WASTEWATER SERVICE

**811**  
Know what's below.  
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**LAND DEV**  
CONSULTING, LLC  
508 HIGHWAY 290 WEST, SUITE 150  
DALLAS, TX 75243  
OFFICE: 512.872.6696  
FIRM NO. 16398



09/16/2020

**DETENTION POND C OUTFALL  
PLAN & PROFILES**

**BUTLER FARMS PHASE ONE  
MAIN INFRASTRUCTURE  
CONSTRUCTION PLANS**

**LIBERTY HILL, TEXAS**

DESIGNED BY: SN/MK/CF

DRAWN BY: MK/GS/AA/CC

CHECKED BY: BG/SN/SH

APPROVED BY: J.W.

SHEET 68 OF 121

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## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

May 1, 2019

Mr. David Howell  
Butler Family Partnership, LTD  
15443 Knoll Trail Drive, Suite 130  
Dallas, Texas 75248

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 1 Main Infrastructure; located 2.5 miles west of CR 200 and SH 29, Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11001488; Regulated Entity No. RN110735917

Dear Mr. Howell:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting, LLC on behalf of Butler Family Partnership, LTD on March 19, 2019. Final review of the CZP was completed after additional material was received on April 26, 2019. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 106.2 acres. It will include spine road infrastructure, two wet basin water quality structures, a detention pond, and water and wastewater infrastructure to support a future single-family residential development (separate approval required). The impervious cover will be 6.73 acres (6.3 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two wet basins (Wet Pond A and Wet Pond B), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 5,860 pounds of TSS generated from the 6.73 acres of impervious cover. The water quality facilities are being sized for future build-out on 367.34 acres with 153.78 acres of impervious cover. The required total suspended solids (TSS) treatment for the design is 133,849.78 pounds of TSS generated from the 153.78 acres of impervious cover. Wet Pond A is designed to treat 35,000 pounds of TSS. Wet Pond B is designed to treat 100,000 pounds of TSS. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to

the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must insure that the 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 Austin Regional Office within 30 days of site completion.

May 1, 2019

15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact James "Bo" Slone, P.G. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Robert Sadlier, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

RCS/jcs

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263



Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

July 9, 2020

Mr. David Howell  
366 TX 29 LTD  
15443 Knoll Trail Dr., Ste. 130  
Dallas, TX 78248

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 1 Main Infrastructure; Located 2.5 miles W. of CR 200 and SH 29; Liberty Hill, Texas

TYPE OF PLAN: Request for Modification of an Approved Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program (EAPP) ID No. 11002006; Regulated Entity No. RN110735917

Dear Mr. Howell:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Modification for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting on behalf of 366 TX 29 LTD on April 9, 2020. Final review of the CZP was completed after additional material was received on June 10, 2020 and July 6, 2020. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

The Butler Farms Phase 1 Main Infrastructure CZP (EAPP ID No. 11001488), approved by letter dated May 1, 2019, included the construction of two wet basins (Wet Pond A and Wet Pond B) designed to provide permanent water quality treatment for the proposed Butler Farms development.

#### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 120.08 acres. It will include the addition of 23 single-family residences with utilities, drives, and associated appurtenances to the previously approved Butler Farms development. The project will also include modifications to Wet Pond A and Wet Pond B; the depth will be decreased. The impervious cover will be 10.05 acres (8.4 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two wet basins (Wet Pond A and Wet Pond B; EAPP ID No. 11001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 8,478 pounds of TSS generated from the 10.05 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the CZP approval letter dated May 1, 2019.
- II. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- III. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved CZP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the

payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.

6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must ensure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved CZP. If the new owner intends to commence any new regulated activity on the site, a new CZP that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
17. A CZP approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new CZP must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Ms. Michelle Zvonkovic of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Robert Sadlier, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

RCS/maz

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

January 28, 2021

Mr. David Howell  
366 TX 29, LTD  
15443 Knoll Trail Drive. Suite 130  
Dallas, TX 75248

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 1 Main Infrastructure; Located 2.5 miles west of CR 200 and SH 29; Liberty Hills, Texas

TYPE OF PLAN: Request for Modification of an Approved Contributing Zone Plan (CZP-MOD); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11002294; Regulated Entity No. RN110735917

Dear Mr. Howell:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP-MOD for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting LLC on behalf of 366 TX 29, LTD on November 25, 2020. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

The Butler Farms Phase I Main Infrastructure CZP (EAPP ID No. 11001488) approved by letter dated May 1, 2019, included the construction of two wet basins (Wet Pond A and Wet Pond B), designed to provide permanent water quality treatment for the project site.

The Butler Farms Phase I Main Infrastructure CZP-MOD (EAPP ID No. 11002006) approved by letter dated July 9, 2020, included the addition of 23 single family residences with utilities, drives and associated appurtenances. The project also included modifications to Wet Pond A and Wet Pond B; the depth of the ponds was decreased.

#### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 120.08 acres. It will include modifications to Wet Pond A and Wet Pond B; the average depth of the ponds will be increased. The impervious cover will be 10.05 acres (8.4 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two wet basins (Wet Pond A and Wet Pond B; EAPP ID No. 1001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be modified to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 8,478 pounds of TSS generated from the 10.05 acres of impervious cover. The water quality facilities are being sized for future build-out on 367.34 acres with 135.30 impervious cover. The required total suspended solids (TSS) treatment for the design is 117,767 pounds of TSS generated from the 135.3 acres of impervious cover. Wet Pond A is designed to treat 30,000 pounds of TSS from 29.39 acres of impervious cover. Wet Pond B is designed to treat 95,000 pounds of TSS from 101.84 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the CZP approval letters EAPP ID No. 11001488 and EAPP ID No. 11002006.
- II. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- III. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.



13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must ensure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Bob Castro, P.E. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Robert Sadlier, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

RCS/rbc

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263



Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

September 10, 2020

Mr. David Howell  
366 TX 29, LTD  
15443 Knoll Trail Drive, Suite 130  
Dallas, Texas 75248

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 9; Located 2.5 miles west of CR 200 and SH 29; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Regulated Entity No. RN110735917; Additional ID No. 11002106

Dear Mr. Howell:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting, LLC on behalf of 366 TX 29, LTD on July 9, 2020. Final review of the CZP was completed after additional material was received on August 24, 2020. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### PROJECT DESCRIPTION

This project proposes a residential development on a 28.18-acre site with 16.97 acres (60.22 percent) of impervious cover. The project proposes the construction of 151 single-family residential lots including associated rights-of-way, drainage and utilities. Project wastewater will be disposed of by conveyance to the Liberty Hill Wastewater Treatment Plant owned and operated by the City of Liberty Hill.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an existing wet basin "B" (11001488) and batch detention basin "D", designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be utilized to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 14,771 pounds of TSS generated from the 16.97 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. The permanent pollution abatement measures shall be operational prior to first occupancy of respective drainage basins.
- II. All sediment and/or media removed from the water quality basins during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and

the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must insure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive

director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact the Edwards Aquifer Protection Program Austin Regional Office at (512) 339-2929.

Sincerely,



Robert Sadlier, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

RCS/dpm

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Shervin Nooshin, P.E., LandDev Consulting, LLC

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

June 4, 2021

Mr. Kyle Smith  
Meritage Homes of Texas, LLC  
8920 Business Park Dr., Ste 350  
Austin, Texas 78735

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 7; Located 2.5 miles west of CR 200 and SH 29; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Regulated Entity No. RN110735917; Additional ID No. 11002455

Dear Mr. Smith:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting, LLC on behalf of Meritage Homes of Texas, LLC on March 31, 2021. Final review of the CZP was completed after additional material was received on June 2, 2021. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 48.4 acres. It will include the construction of 89 single-family residential homes with associated right-of-way, drainage, and utilities. The impervious cover will be 7.96 acres (16.4 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant owned by the City of Liberty Hill.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, one previously approved wet basin (Pond B, 11001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be utilized to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 6,928 pounds of TSS generated from the 7.96 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. The permanent pollution abatement measure shall be operational prior to first occupancy of the homes.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges

from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must insure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new

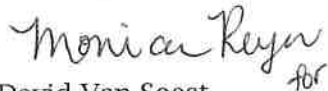
Mr. Kyle Smith  
Page 4  
June 4, 2021

regulated activity by the executive director is required prior to commencement of the new regulated activity.

17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,

A handwritten signature in cursive script that reads "Monica Reyna".

David Van Soest  
Regional Director  
Austin and Waco Regions  
Texas Commission on Environmental Quality

DVS/jv

Enclosures: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Shervin Nooshin, LandDev Consulting, LLC



Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

September 17, 2021

Mr. Nagesh Basnyat  
JNC Development, Inc.  
12300 Montwood Dr.  
El Paso, TX 799228

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phases 2, 3, & 4, located 2.5 miles W of CR 200 and SH 29, Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11002600; Regulated Entity No. RN110735917

Dear Mr. Basnyat:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the request for approval of a Contributing Zone Plan Application for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting, LLC on behalf JNC Development, Inc. on July 27, 2021. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

The Butler Farms Phases 1 Main Infrastructure CZP (EAPP ID: 11001488) approved by letter dated May 1, 2019, included the construction of two wet basins, "Wet Pond A" and "Wet Pond B" designed to provide permanent water quality treatment for the residential development. The wet basins were physically modified in approval letter dated July 9, 2020 (EAPP ID: 11002006) and approval letter dated January 28, 2021 (EAPP ID: 11002294). The Butler Farms Phase 9 was approved by letter dated September 10, 2020 (EAPP ID: 11002106). The Butler Farms Phase 7 was approved by letter dated June 4, 2021 (EAPP ID: 11002455).

#### PROJECT DESCRIPTION

The proposed residential development will have a site area of approximately 36.35 acres. It will include the construction of 198 single family lots, associated drives, drainage improvements, and utilities. The impervious cover will be 20.36 acres (56.0%). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two existing wet basins, "Wet Pond A" and "Wet Pond B" (EAPP ID: 11001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 17,721 pounds of TSS generated from the 20.36 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved CZP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated

activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved CZP, must be installed prior to construction, and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
12. The following records shall be maintained and made available to the executive director 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.
13. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

14. Owners of permanent BMPs and measures must ensure that the 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 <Austin/San Antonio> Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
17. A CZP approval or extension will expire, and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A CZP must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Ms. Jade Mendiola, of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/jkm

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

January 11, 2022

Mr. Wyatt Henderson  
366 TX 29 LTD  
15443 Knoll Trail Dr. Ste. 130  
Dallas, TX 75248

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 12; Located 2.5 Mi. W of CR 200 and SH 29; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11002718; Regulated Entity No. RN110735917

Dear Mr. Henderson:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting on behalf of 366 TX 29 LTD on October 8, 2021. Final review of the CZP was completed after additional material was received on January 10, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

The Butler Farms Pond B, a wet basin, was approved by letter dated May 1, 2019 (EAPP ID No. 11001488). Pond B was later modified in approval letter dated July 9, 2020 (EAPP ID: 11002006) and approval letter dated January 28, 2021 (EAPP ID: 11002294).

### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 13.50 acres. It will include a right-of-way, drainage, and utilities to support the future Butler Farms single-family residential development. The impervious cover will be 4.51 acres (33.4 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

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TCEQ Region 11 • P.O. Box 13087 • Austin, Texas 78711-3087 • 512-339-2929 • Fax 512-339-3795

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#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an existing wet basin, Pond B (EAPP ID No. 11001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), was constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 3,926 pounds of TSS generated from the 4.51 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must ensure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

Mr. Wyatt Henderson

Page 4

January 11, 2022

17. A Contributing Zone Plan approval or extension will expire, and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Savannah Finger of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/sjf

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263  
cc: Mr. Shervin Nooshin, P.E., LandDev Consulting



Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

January 28, 2022

Mr. Kyle Smith  
Meritage Homes of Texas  
8920 Business Park Dr., Ste. 350  
Austin, Texas 78759

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 8; Located 2.5 Mi W of CR 200 and SH 29; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11002747; Regulated Entity No. RN110735917

Dear Mr. Smith:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting, LLC on behalf of Meritage Homes of Texas on October 26, 2021. Final review of the CZP was completed after additional material was received on January 5, 2022, and January 21, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

A CZP for Butler Farms Phase 1 (EAPP ID No. 11001488) was approved by letter dated May 1, 2019, and included the construction of two wet basins. Subsequent requests to modify the wet basins were approved by letters dated July 9, 2020 (EAPP ID No. 11002006) and January 28, 2021 (EAPP ID No. 11002294). A CZP for Butler Farms Phase 9 (EAPP ID No. 11002106) was approved by letter dated September 10, 2020, and included the construction of a batch detention basin.

#### PROJECT DESCRIPTION

The proposed single family residential project will have an area of approximately 23.31 acres. It will include 138 single family lots, associated right-of-way, utilities, and associated appurtenances. The impervious cover will be 12.33 acres (52.9 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, wet basin (Wet Pond B; EAPP ID No. 11002294) and a batch detention basin (Pond D; EAPP ID No. 11002106), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 10,732 pounds of TSS generated from the 12.33 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the residences.
- II. All sediment and/or media removed from the water quality basins during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.

6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

Mr. Kyle Smith  
Page 4  
January 28, 2022

15. A Contributing Zone Plan approval or extension will expire, and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
16. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Betsy Yockey of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/bmy

CC: Mr. Shervin Nooshin, P.E., LandDev Consulting, LLC

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

May 20, 2022

Mr. Wyatt Henderson  
366 TX 29, Ltd.  
15443 Knoll Trail Drive, Ste. 130  
Dallas, Texas 75248-3451

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Amenity Center; Located NW of SH 29 and CR 277; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11002941; Regulated Entity No. RN111436234

Dear Mr. Henderson:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting, LLC on behalf of 366 TX 29, Ltd. on February 15, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

A CZP for Butler Farms Phase 1 (EAPP ID No. 11001488) was approved by letter dated May 1, 2019, and included the construction of two wet basins (Wet Pond A and Wet Pond B). The ponds were designed for future build-out within a 367.34-acre site. Subsequent requests to modify the wet basins were approved by letters dated July 9, 2020 (EAPP ID No. 11002006) and January 28, 2021 (EAPP ID No. 11002294).

#### PROJECT DESCRIPTION

The proposed project will have an area of approximately 4.55 acres. It will include the construction of an amenity center, utilities, and associated appurtenances. The impervious cover will be 1.62 acres (35.6 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a wet basin (Wet Pond A; EAPP ID No. 11001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 1,410 pounds of TSS generated from the 1.62 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the residences.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.

6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

Mr. Wyatt Henderson

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May 20, 2022

15. A Contributing Zone Plan approval or extension will expire, and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
16. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Ryan Soutter of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/rts

CC: Mr. Shervin Nooshin, P.E., LandDev Consulting, LLC



Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

May 20, 2022

Mr. Kyle Smith  
Meritage Homes of Texas  
8920 Business Park Dr., Suite 350  
Austin, Texas 78759

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 6; Located NW of SH 29 and CR 277; City of Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11002957; Regulated Entity No. RN110735917

Dear Mr. Smith:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the Austin Regional Office by LandDev Consulting, LLC on behalf of Meritage Homes of Texas on February 25, 2022. Final review of the CZP was completed after additional material was received on May 19, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

A CZP for Butler Farms Phase 1 (EAPP ID No. 11001488) was approved by letter dated May 1, 2019, and included the construction of two wet basins. Subsequent requests to modify the wet basins were approved by letters dated July 9, 2020 (EAPP ID No. 11002006) and January 28, 2021 (EAPP ID No. 11002294).

#### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 23.83 acres. It will include 114 residential lots, associated right of way, drainage, and utilities. The impervious cover will be 12.96 acres (54.4 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a wet basin (Pond B; EAPP ID No. 11002294), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 11,280 pounds of TSS generated from the 12.96 acre increase of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the residences.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number

for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must insure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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

Mr. Kyle Smith  
Page 4  
May 20, 2022

maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Betsy Yockey of the Edwards Aquifer Protection Program of the Austin Regional Office at (512)339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/bmy

Enclosures: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

Cc: Mr. Shervin Nooshin, P.E., LandDev Consulting, LLC

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

October 7, 2022

Mr. Wyatt Henderson  
366 TX 29, Ltd.  
15443 Knoll Trail Dr., Ste. 130  
Dallas, Texas 75248-3451

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 14; NW of SH 29 and CR 277.; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas  
Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11003184; Regulated Entity No. RN110735917

Dear Mr. Henderson:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the Austin Regional Office by HR Green, Inc. on behalf of 366 TX 29, Ltd. on July 27, 2022. Final review of the CZP was completed after additional material was received on September 23, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

A CZP for Butler Farms Phase 1 Main Infrastructure (EAPP ID No. 11001488) was approved by letter dated May 1, 2019 and included the construction of two wet basins with permanent pools (Wet Pond A and Wet Pond B). The ponds were designed for future build-out within a 367.34-acre site.

### PROJECT DESCRIPTION

The proposed project will have an area of approximately 40.5 acres. It will include the construction of 166 single-family homes, driveways, roads, sidewalks, utilities, and associated appurtenances. The impervious cover will be 16.72 acres (41.3 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two wet basins (Wet Pond A and Wet Pond B; EAPP ID No. 11001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be utilized to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 14,553 pounds of TSS generated from the 16.72 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

### SPECIAL CONDITIONS

- I. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
15. A Contributing Zone Plan approval or extension will expire, and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.



Mr. Wyatt Henderson

Page 4

October 7, 2022

16. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Ryan Soutter of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/rts

CC: Mr. Shervin Nooshin, P.E., HR Green, Inc.

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

November 4, 2022

Mr. Wyatt Henderson  
366 TX 29, LTD  
15443 Knoll Trail Dr., Ste. 130  
Dallas, Texas 75248

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farm Phase 15; located NW of SH 29 and CR 277; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas  
Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11003257; Regulated Entity No. RN111573101

Dear Mr. Henderson:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the Austin Regional Office by HR Green Inc. on behalf of 366 TX 29, LTD. on September 15, 2022. Final review of the CZP was completed after additional material was received on November 1, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

A CZP was approved by letter dated May 1, 2019 (EAPP ID No. 11001488). The CZP included the construction of a wet basin named Pond B. A CZP Modification approved by letter dated July 9, 2022 (EAPP ID No. 11002006) modified Pond B. A second CZP Modification approved by letter dated January 28, 2021 (EAPP ID No. 11002994) also modified Pond B.

### PROJECT DESCRIPTION

The proposed single-family residential project will have an area of approximately 24.999 acres. It will include 98 lots, streets, sidewalks, utilities, and associated appurtenances. The impervious cover will be 9.3 acres (37.2 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a wet basin (Pond B; EAPP ID no. 11002994), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 8,094.72 pounds of TSS generated from the 9.3 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must ensure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive

Mr. Wyatt Henderson  
Page 4  
November 4, 2022

director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact James "Bo" Slone, P.G. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/jcs

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

Cc: Shervin Nooshin, P.E., HR Green, Inc.

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 9, 2022

Mr. Wyatt Henderson  
366 TX 29, LTD  
2121 Midway Road, Suite 320  
Carrollton, Texas 75006

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Butler Farms Phase 10; Located northwest of SH 29 and CR 277; Liberty Hill, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Regulated Entity No. RN111583324; Additional ID No. 11003287

Dear Mr. Henderson:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the Austin Regional Office by HR Green Development TX, LLC on behalf of 366 TX 29, LTD on October 4, 2022. Final review of the CZP was completed after additional material was received on December 5, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 7.98 acres. It will include clearing and grading, installation of utilities, the construction of 26 single-family lots and right-of-way. The impervious cover will be 3.91-acres (49- percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant owned by the City of Liberty Hill.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two existing Wet Basins (Pond A and Pond B 11001488), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be utilized to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 3,403 pounds of TSS generated from the 3.91 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basins during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges



from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Owners of permanent BMPs and measures must insure that the 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 Austin Regional Office within 30 days of site completion.
15. The applicant shall be 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. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new

Mr. Wyatt Henderson  
Page 4  
December 9, 2022

regulated activity by the executive director is required prior to commencement of the new regulated activity.

17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/nbv

Enclosures: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Shervin Nooshin, P.E., HR Green Development TX, LLC

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Erin E. Chancellor, *Interim Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

February 3, 2023

Mr. Wyatt Henderson  
366 TX 29, LTD  
15443 Knoll Trail Drive, Suite 130  
Dallas, TX 75248

Re: Edwards Aquifer, Williamson County  
NAME OF PROJECT: Butler Farms Phase 16; Located Northwest of SH 29 and CR 277; Liberty Hill, Texas  
TYPE OF PLAN: Request Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer  
Edwards Aquifer Protection Program ID No. 11003326; Regulated Entity No. RN111596110

Dear Mr. Henderson:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP for the above-referenced project submitted to the Austin Regional Office by HR Green Development TX, LLC on behalf of 366 TX 29, LTD on October 20, 2022. Final review of the CZP was completed after additional material was received on January 27, 2023. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### BACKGROUND

A CZP was approved by letter dated May 1, 2019 (EAPP ID No. 11001488). The CZP included the construction of a wet basin (Pond B). A CZP Modification approved by letter dated July 9, 2022 (EAPP ID No. 11002006) modified Pond B. A second CZP Modification, approved by letter dated January 28, 2021 (EAPP ID No. 11002994), also modified Pond B.

#### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 6.16 acres. It will include 31 single-family lots, streets, sidewalks, utilities and associated appurtenances. The impervious cover will be 3.13 acres (50.8 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a wet basin (Pond B; EAPP ID No. 1002994), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 2,724 pounds of TSS generated from the 3.13 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

Pond B (EAPP ID No. 1002994) is sized for future development and is designed to remove 81,000 pounds of TSS to treat stormwater runoff from a maximum of 84.35 acres of impervious cover.

#### SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

#### STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

#### Prior to Commencement of Construction:

4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number

for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

After Completion of Construction:

14. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
15. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.

Mr. Wyatt Henderson

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February 3, 2023

16. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Bob Castro, P.E. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/rbc

Cc: Shervin Nooshin, P.E., HR Green Development TX, LLC

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 18, 2023

Nagesh Basnyat  
JNC Development, Inc  
12300 Montwood Drive  
El Paso, Texas, 79928

Re: Approval of a Contributing Zone Plan (CZP)  
Butler Farms Phase 5; Located Northwest of Butler Farms Blvd. and Lazy Mountain St.;  
Liberty Hill, Williamson County, Texas  
Edwards Aquifer Protection Program ID: 11003778, Regulated Entity No. RN110735917

Dear Mr. Basnyat:

The Texas Commission on Environmental Quality (TCEQ) has completed its review on the application for the above-referenced project submitted to the Edwards Aquifer Protection Program (EAPP) by HR Green Development TX, LLC on behalf of the applicant, JNC Development, Inc. on October 30, 2023. Final review of the application was completed after additional material was received on December 11, 2023.

As presented to the TCEQ, the application was prepared in general compliance with the requirements of 30 Texas Administrative Codes (TAC) Chapter §213. The permanent best management practices (BMPs) and measures represented in the application were prepared by a Texas licensed professional engineer (PE). All construction plans and design information were sealed, signed, and dated by a Texas licensed PE. Therefore, the application for the construction of the proposed project and methods to protect the Edwards Aquifer are **approved**, subject to applicable state rules and the conditions in this letter.

**This approval expires two years from the date of this letter**, unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been officially requested. This approval or extension will expire, and no extension will be granted if more than 50 percent of the project has not been completed within ten years from the date of this letter.

The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this contributing zone plan or modification to a plan. A motion for reconsideration must be filed in accordance with 30 TAC §50.139.

### BACKGROUND

The original CZP was approved by letter dated May 1, 2019 (EAPP ID No. 11001488). The CZP included the construction of two wet basins (Wet Basin A and Wet Basin B), designed to provide water quality treatment for the project site. Subsequent CZP applications were approved under the regulated entity number RN110735917.

#### PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 9.61 acres. The project will include construction of 47 residential lots, drives, sidewalks, streets, drainage improvements, a utilities, and associated appurtenances. The impervious cover will be 4.88 acres (50.8 percent). Project wastewater will be disposed of by conveyance to the existing Liberty Hill Wastewater Treatment Plant.

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two existing Wet Basins (Pond A and Pond B, 11001488), designed using the TCEQ technical guidance, *RG-348, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices*, will be implemented to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 4,248 pounds of TSS generated from the 4.88 acres of impervious cover. The approved permanent BMPs and measures meet the required 80 percent removal of the increased load in TSS caused by the project.

**The permanent BMPs shall be operational prior to occupancy or use of the proposed project.** Inspection, maintenance, repair, and retrofit of the permanent BMPs shall be in accordance with the approved application.

#### STANDARD CONDITIONS

1. The plan holder (applicant) must comply with all provisions of 30 TAC Chapter §213 and all technical specifications in the approved plan. The plan holder should also acquire and comply with additional and separate approvals, permits, registrations or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, Dam Safety, Underground Injection Control) as required based on the specifics of the plan.
2. In addition to the rules of the Commission, the plan holder must also comply with state and local ordinances and regulations providing for the protection of water quality as applicable.

#### Prior to Commencement of Construction:

3. The plan holder of any approved contributing zone plan must notify the EAPP and obtain approval from the executive director prior to initiating any modification to the activities described in the referenced application following the date of the approval.
4. The plan holder must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the EAPP no later than 48 hours prior to commencement of the regulated activity. Notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person.
5. Temporary erosion and sedimentation (E&S) controls as described in the referenced application, must be installed prior to construction, and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.



During Construction:

6. The application must indicate the placement of permanent aboveground storage tanks facilities for static hydrocarbons and hazardous substances with cumulative storage capacity of 500 gallons or more. Subsequent permanent storage tanks on this project site require a modification to be submitted and approved prior to installation.
7. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
8. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge must be filtered through appropriately selected BMPs.
9. The following records shall be maintained and made available to the executive director 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.
10. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

11. Owners of permanent BMPs and temporary measures must ensure that the BMPs and measures are constructed and function as designed. A Texas licensed PE **must certify** in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the EAPP within 30 days of site completion.
12. The applicant shall be 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 or the ownership of the property is transferred to the entity. A copy of the transfer of responsibility must be filed with the executive director through the EAPP within 30 days of the transfer. TCEQ form, Change in Responsibility for Maintenance on Permanent BMPs and Measures (TCEQ-10263), may be used.

The holder of the approved contributing zone plan is responsible for compliance with Chapter §213 subchapter B and any condition of the approved plan through all phases of plan implementation. Failure to comply with any condition within this approval letter is a violation of Chapter §213 subchapter B and is subject to administrative rule or orders and penalties as provided under §213.25 of this title (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. Upon legal transfer of this property, the new owner is required to comply with all terms of the approved contributing zone plan.

Nagesh Basnyat  
Page 4  
December 18, 2023

This action is taken as delegated by the executive director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Jasmine Brown of the Edwards Aquifer Protection Program at (512) 339-7006 or the regional office at 512-339-2929.

Sincerely,



Lillian Butler, Section Manager  
Edwards Aquifer Protection Program  
Texas Commission on Environmental Quality

LIB/job

cc: Christine Campbell, P.E., HR Green Development TX, LLC

		Estimated Impervious Cover Tracking Table																				
BMP		Phase 1 (Mod. #2 Approved 1/28/21)			Phase 9 (Approved 9/10/20)			Phase 7 (Approved 6/04/21)			Phases 2, 3, & 4 (Approved 9/17/21)			Phase 12 (Approved 01/11/22)			Phase 8 (Approved 01/28/22)			Phase 6 (Approved 05/20/22)		
		Impervious Cover (as of Ph1)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph9)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph7)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph2-4)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph12)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph8)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph6)	Required TSS Load Removal	Provided TSS Load Removal
Pond A	Wet Basin	5.02	4,373	4,373	Phase 9 does not drain to Pond A			Phase 7 does not drain to Pond A			22.87	19,906	19,906	Phase 12 does not drain to Pond A			Phase 8 does not drain to Pond A			Phase 6 does not drain to Pond A		
Pond B	Wet Basin	2.52	2,197	2,197	10.15	8,835	8,835	18.11	15,763	15,763	19.84	17,269	17,269	25.47	22,169	22,169	30.35	26,417	26,417	43.31	37,697	37,697

		Estimated Impervious Cover Tracking Table																				
BMP		Amenity Center (Approved 05/20/22)			Phase 14 (Approved 10/07/22)			Phase 15 (Approved 11/04/22)			Phase 10 (Approved 12/09/22)			Phase 16 (Approved 02/03/23)			Phase 5 (Approved 12/18/23)			Phase 13		
		Impervious Cover (as of Amenity)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph14)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph15)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph10)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph16)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph5)	Required TSS Load Removal	Provided TSS Load Removal	Impervious Cover (as of Ph5)	Required TSS Load Removal	Provided TSS Load Removal
Pond A	Wet Basin	24.96	21,725	21,725	27.96	24,336	24,336	Phase 15 does not drain to Pond A			28.66	24,946	24,946	Phase 16 does not drain to Pond A			29.61	25,773	25,773	31.71	27,602	29,750
Pond B	Wet Basin	Amenity Center does not drain to Pond B			57.34	49,909	49,909	66.63	57,995	57,995	69.84	60,789	60,789	72.97	63,510	63,510	76.90	66,934	66,934	84.82	73,829	78,443

# 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.***

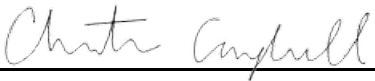
## Signature

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: Christine Campbell

Date: 10/23/2024

Signature of Customer/Agent:



Regulated Entity Name: Butler Farms Phase 13

## Project Information

### Potential Sources of Contamination

*Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.*

1. Fuels for construction equipment and hazardous substances which will be used during construction:

☐ The following fuels and/or hazardous substances will be stored on the site: \_\_\_\_\_

These fuels and/or hazardous substances will be stored in:

- ☐ Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

- ☐ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.
- ☐ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- ☒ Fuels and hazardous substances will not be stored on the site.
- 2. ☒ **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. ☒ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. ☒ **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

### ***Sequence of Construction***

- 5. ☒ **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
  - ☒ For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
  - ☒ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. ☒ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: San Gabriel River

### ***Temporary Best Management Practices (TBMPs)***

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

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

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

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

## ***Soil Stabilization Practices***

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

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

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

### ***Administrative Information***

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



## ATTACHMENT A – SPILL RESPONSE ACTIONS

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/>

#### Vehicle and Equipment Maintenance:

- 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 them 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.

Asphalt products will be used on this project. After placement of asphalt, emulsion, or coatings, the applicant will be responsible for immediate cleanup should an unexpected rain occur. For the duration of the asphalt curing time, the applicant should maintain standby personnel and equipment to contain any asphalt wash-off should an unexpected rain occur.

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 paints and 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 erosion control measures, consisting of silt fences, storm drains, inlet 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 approximately 19.74 acres of the site.

#### Major Construction Activities and Sequencing:

The major construction activities for this project will include and be sequenced as follows:

1. Established Best Management Practices shall consist of the following: silt fencing, a temporary spoils area, a concrete truck washout pit, and temporary construction entrances (Estimated area to be disturbed = 0.65 Acres). These items are to remain and be maintained throughout all construction activities.

2. Initial site mass grading operation including right-of-way and first grading. (Estimated area to be disturbed = 13.67 Acres)
3. Installation of utilities including storm, water, and wastewater (Estimated area to be disturbed = 0.61 Acres).
4. Construction of street/driveway pavement including backfill behind curbs (estimated area to be disturbed = 2.65 Acres)
5. Construction (estimated area to be disturbed = 19.74 Acres).
6. Final soil stabilization for the site and removal of temporary BMPs once the soil has been stabilized.

The contractor is responsible for implementing and maintaining the storm water pollution prevention plan which includes maintaining all the necessary erosion controls throughout construction.

#### **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, inlet protection, 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. As a temporary BMP, a silt fence will be installed to reduce pollutants. BMP measures utilized in this plan are intended to allow storm water to continue downstream after passing through for treatment.

##### 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, b) installation of inlet protection at all inlets, c) installation of a stabilized construction entrance to reduce the dispersion of sediment from the site, and d) installation of a construction staging area.

##### Construction:

All installed erosion control measures 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 or wet basin before exiting the overall property.

#### **ATTACHMENT G – DRAINAGE AREA MAPS**

Refer to the construction plans attached.

#### **ATTACHMENT H – TEMPORARY SEDIMENT POND(S) PLANS AND CALCULATIONS**

The existing Wet Basins, Pond A and Pond B, will act as temporary and permanent sedimentation ponds. The calculated temporary sedimentation pond volume required for the Butler Farms Phase 13 property is calculated below.

Calculation: Required Volume = (Rainfall Depth\*Runoff Coefficient\*Drainage Area\*120%)  
= 1.60 in. \* 0.36 \* 19.94 acres \* 120%  
= 50,031 cf.

## 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, inlet protection, stabilized construction entrances, 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. Weekly inspections will be documented in an inspection report. The inspection reports will document maintenance activities, sediment removal, and any modifications to the erosion and sedimentation controls. The perimeter fence shall be regularly monitored to ensure 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 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 and inlet protection at all inlets. To minimize destruction to any portion of the Contributing 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 intercepting stormwater potentially carrying sediment and other pollutants. BMPs and measures will implement stabilized construction entrances, a construction stockpiling/staging area, and a concrete washout 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 in cleaning 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, vegetative buffer zones, and inlet protection. 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 City, 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, rock berms, 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. Refer to the construction plans attached for the TCEQ Notes, the Existing Conditions, and the Erosion & Sedimentation Control Plan.



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

## IMPORTANT INFORMATION

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

Use the NOI Checklist to ensure all required information is completed correctly.

**Incomplete applications delay approval or result in automatic denial.**

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

## ePERMITS

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

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

## APPLICATION FEE AND PAYMENT

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

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

Provide your payment information for verification of payment:

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

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

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

If Yes, provide the authorization number here: TXR15

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

**SECTION 1. OPERATOR (APPLICANT)**

a) If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? CN 605772136

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

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

366 TX 29, LTD

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

Prefix (Mr. Ms. Miss): Mr.

First and Last Name: Wyatt Henderson Suffix:

Title: Principal Credentials:

Phone Number: (972) 715-6450 Fax Number:

E-mail: whenderson@madev.com

Mailing Address: 2121 Midway Road, Suite 240

City, State, and Zip Code: Carrollton, Texas 75006

Mailing Information if outside USA:

Territory:

Country Code:

Postal Code:

d) Indicate the type of customer:

☐ Individual

☐ Limited Partnership

☐ General Partnership

☐ Trust

☐ Sole Proprietorship (D.B.A.)

☒ Corporation

☐ Estate

☐ Federal Government

☐ County Government

☐ State Government

☐ City Government

☐ Other Government

☐ Other:

e) Is the applicant an independent operator? ☒ Yes

☐ No

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

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

☒ 0-20

☐ 251-500

☒ 21-100

☐ 501 or higher

☐ 101-250

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

State Franchise Tax ID Number: 32072739991

Federal Tax ID:

Texas Secretary of State Charter (filing) Number: 0803487253

DUNS Number (if known):

## SECTION 2. APPLICATION CONTACT

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

☐ Yes, go to Section 3

☒ No, complete this section

Prefix (Mr. Ms. Miss): Ms.

First and Last Name: Christine Campbell Suffix:

Title: Project Manager Credential: P.E.

Organization Name: HR Green Development TX, LLC

Phone Number: 512-872-6696 Fax Number:

E-mail: christine.campbell@hrgreen.com

Mailing Address: 5508 Highway 290 West, Suite 150

Internal Routing (Mail Code, Etc.):

City, State, and Zip Code: Austin, TX, 78735

Mailing information if outside USA:

Territory:

Country Code:  Postal Code:

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

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

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



- b) Name of project or site (the name known by the community where it's located): Butler Farms Phase 13
- c) In your own words, briefly describe the type of construction occurring at the regulated site (residential, industrial, commercial, or other): Land development - single-family residential
- d) County or Counties (if located in more than one): Williamson
- e) Latitude: 30.699910 Longitude: -97.963840
- f) Site Address/Location

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

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

*Section A:*

Street Number and Name:

City, State, and Zip Code:

*Section B:*

Location Description: Located off W SH 29, NW of CR 277. Phase 13 is situated N of Phase 5 and SW of Phase 12. Butler Farms Blvd. borders the eastern portion of the site and Altamure Road runs along the northern boundary. Parcel ID #R021816

City (or city nearest to) where the site is located: Liberty Hill

Zip Code where the site is located: 78642

#### SECTION 4. GENERAL CHARACTERISTICS

- a) Is the project or site located on Indian Country Lands?
- ☐ Yes, do not submit this form. You must obtain authorization through EPA Region 6.
- ☒ No
- b) Is your construction activity associated with a facility that, when completed, would be associated with the exploration, development, or production of oil or gas or geothermal resources?
- ☐ Yes. Note: The construction stormwater runoff may be under jurisdiction of the Railroad Commission of Texas and may need to obtain authorization through EPA Region 6.
- ☒ No
- c) What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site? 1521
- d) What is the Secondary SIC Code(s), if applicable?
- e) What is the total number of acres to be disturbed? 19.74



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

#### SECTION 6. APPLICANT CERTIFICATION SIGNATURE

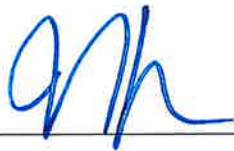
Operator Signatory Name: Wyatt Henderson

Operator Signatory Title: Principal

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

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

Signature (use blue ink):



Date:

10-17-24

# NOTICE OF INTENT CHECKLIST (TXR150000)

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

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

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

## APPLICATION FEE

If paying by check:

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

If using ePay:

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

## RENEWAL

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

## OPERATOR INFORMATION

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

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

- ☐ Regulated Entity Number (RN) (if site is already regulated by TCEQ)
- ☐ Site/project name and construction activity description
- ☐ County
- ☐ Latitude and longitude <http://www.tceq.texas.gov/gis/sqmaview.html>

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

#### **GENERAL CHARACTERISTICS**

- ☐ Indian Country Lands –the facility is not on Indian Country Lands.
- ☐ Construction activity related to facility associated to oil, gas, or geothermal resources
- ☐ Primary SIC Code that best describes the construction activity being conducted at the site.  
[www.osha.gov/oshstats/sicser.html](http://www.osha.gov/oshstats/sicser.html)
- ☐ Estimated starting and ending dates of the project.
- ☐ Confirmation of concrete truck washout.
- ☐ Acres disturbed is provided and qualifies for coverage through a NOI.
- ☐ Common plan of development or sale.
- ☐ Receiving water body or water bodies.
- ☐ Segment number or numbers.
- ☐ MS4 operator.
- ☐ Edwards Aquifer rule.

#### **CERTIFICATION**

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

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

## GENERAL INFORMATION

### Where to Send the Notice of Intent (NOI):

By Regular Mail:

TCEQ

Stormwater Processing Center (MC228)

P.O. Box 13087

Austin, Texas 78711-3087

By Overnight or Express Mail:

TCEQ

Stormwater Processing Center (MC228)

12100 Park 35 Circle

Austin, TX

### Application Fee:

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

### Mailed Payments:

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

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

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

### TCEQ Contact List:

Application – status and form questions:

512-239-3700, [swpermit@tceq.texas.gov](mailto:swpermit@tceq.texas.gov)

Technical questions:

512-239-4671, [swgp@tceq.texas.gov](mailto:swgp@tceq.texas.gov)

Environmental Law Division:

512-239-0600

Records Management - obtain copies of forms:

512-239-0900

Reports from databases (as available):

512-239-DATA (3282)

Cashier's office:

512-239-0357 or 512-239-0187

### Notice of Intent Process:

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

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

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

or

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

### General Permit (Your Permit)

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

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

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

### Change in Operator

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

### TCEQ Central Registry Core Data Form

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

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

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

## INSTRUCTIONS FOR FILLING OUT THE NOI FORM

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

### Section 1. OPERATOR (APPLICANT)

#### a) Customer Number (CN)

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

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

#### b) Legal Name of Applicant

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

#### c) Contact Information for the Applicant (Responsible Authority)

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

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

The phone number should provide contact to the applicant.

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

#### d) Type of Customer (Entity Type)

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

##### Individual

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

##### Partnership

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



### **Trust or Estate**

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

### **Sole Proprietorship (DBA)**

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

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

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

### **Corporation**

A customer that meets all of these conditions:

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

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

### **Government**

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

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

### **Other**

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

#### **e) Independent Entity**

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

#### **f) Number of Employees**

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

#### **g) Customer Business Tax and Filing Numbers**

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

##### **State Franchise Tax ID Number**

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

##### **Federal Tax ID**

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

##### **TX SOS Charter (filing) Number**

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

##### **DUNS Number**

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

#### **Section 2. APPLICATION CONTACT**

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

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

##### **a) Regulated Entity Number (RN)**

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

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

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

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

**b) Name of the Project or Site**

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

**c) Description of Activity Regulated**

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

**d) County**

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

**e) Latitude and Longitude**

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

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

**f) Site Address/Location**

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

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

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

**Section 4. GENERAL CHARACTERISTICS**

**a) Indian Country Lands**

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

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

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

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

carbon dioxide geologic storage facility; and a gathering, transmission, or distribution pipeline that will transport crude oil or natural gas, including natural gas liquids, prior to refining of such oil or the use of the natural gas in any manufacturing process or as a residential or industrial fuel.

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

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

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

**c) Primary Standard Industrial Classification (SIC) Code**

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

Common SIC Codes related to construction activities include:

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

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

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

**d) Secondary SIC Code**

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

**e) Total Number of Acres Disturbed**

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

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

**f) Common Plan of Development**

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

For more information on what a common plan of development is, refer to the definition of “Common Plan of Development” in the Definitions section of the general permit or enter the following link into your internet browser: [www.tceq.texas.gov/permitting/stormwater/common\\_plan\\_of\\_development\\_steps.html](http://www.tceq.texas.gov/permitting/stormwater/common_plan_of_development_steps.html)

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

**g) Estimated Start Date of the Project**

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

**h) Estimated End Date of the Project**

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

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

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

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

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

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

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

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

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

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

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

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

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

**l) Discharge into MS4 – Identify the MS4 Operator**

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

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

**m) Discharges to the Edwards Aquifer Recharge Zone and Certification**

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

See maps on the TCEQ website to determine if the site is located within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer by entering the following link into an internet browser:

[www.tceq.texas.gov/field/eapp/viewer.html](http://www.tceq.texas.gov/field/eapp/viewer.html) or by contacting the TCEQ Water Quality Division at 512-239-4671 for assistance.

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

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

**Section 5. NOI CERTIFICATION**

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

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

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

**b) Certification of Legal Name**

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

**c) Understanding of Notice of Termination**

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

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

**d) Certification of Stormwater Pollution Prevention Plan**

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

**Section 6. APPLICANT CERTIFICATION SIGNATURE**

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

**If you are a corporation:**

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

**If you are a municipality or other government entity:**

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

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



## 30 Texas Administrative Code

### §305.44. Signatories to Applications

(a) All applications shall be signed as follows.

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

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

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

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

# Texas Commission on Environmental Quality General Permit Payment Submittal Form

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

## Instructions:

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

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

### *By Regular U.S. Mail*

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

### *By Overnight or Express Mail*

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

**Fee Code: GPA General Permit: TXR150000**

1. Check or Money Order No:

2. Amount of Check/Money Order:

3. Date of Check or Money Order:

4. Name on Check or Money Order:

5. NOI Information:

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

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

Project/Site (RE) Name:

Project/Site (RE) Physical Address:

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

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

I Wyatt Henderson,  
Print Name  
Principal,  
Title - Manager  
of 366 TX 29, LTD,  
Corporation/Partnership/Entity Name  
have authorized Christine Campbell  
Print Name of Agent/Engineer  
of HR Green Development TX, LLC  
Print Name of Firm

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

I also understand that:

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

SIGNATURE PAGE:

  
Applicant's Signature

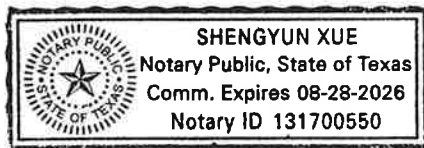
10-17-24  
Date


THE STATE OF Texas §

County of Dallas §

BEFORE ME, the undersigned authority, on this day personally appeared Wyatt Henderson 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 17<sup>th</sup> day of October, 2024.



  
NOTARY PUBLIC  
SHENGYUN XUE  
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 08-28-2026

# Application Fee Form

## Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Butler Farms Phase 13

Regulated Entity Location: The project is located off W Hwy29 and NW of CR 277. Phase 13 is situated N of Phase 5 and S of Phase 12. Butler Farms Blvd. borders the eastern portion of the site, while Altamure Road runs along the northern boundary. The site is included in Parcel ID # R021816

Name of Customer: 366 TX 29 LTD

Contact Person: Wyatt Henderson

Phone: (972) 715-6450

Customer Reference Number (if issued): CN 605772136

Regulated Entity Reference Number (if issued): RN \_\_\_\_\_

### Austin Regional Office (3373)

☐ Hays

☐ Travis

☒ Williamson

### San Antonio Regional Office (3362)

☐ Bexar

☐ Medina

☐ Uvalde

☐ Comal

☐ Kinney

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

☒ Austin Regional Office

☐ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

### Site Location (Check All That Apply):

☐ Recharge Zone

☒ Contributing Zone

☐ Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	19.94 Acres	\$ 4,000.00
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$

<i><b>Type of Plan</b></i>	<i><b>Size</b></i>	<i><b>Fee Due</b></i>
Extension of Time	Each	\$

Signature: Chitra Campbell

Date: 10/23/2024

## **Application Fee Schedule**

Texas Commission on Environmental Quality

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

### ***Water Pollution Abatement Plans and Modifications***

#### ***Contributing Zone Plans and Modifications***

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

#### ***Organized Sewage Collection Systems and Modifications***

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

#### ***Underground and Aboveground Storage Tank System Facility Plans and Modifications***

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

***Exception Requests***

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

***Extension of Time Requests***

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



TCEQ Use Only

# TCEQ Core Data Form

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

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
<b>2. Customer Reference Number (if issued)</b>		<b>3. Regulated Entity Reference Number (if issued)</b>
CN 605772136		RN

[Follow this link to search for CN or RN numbers in Central Registry\\*\\*](#)

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)					
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership					
<b>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).</b>							
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:					
366 TX 29, LTD							
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)				
0803487253	32072739991						
<b>11. Type of Customer:</b>	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited				
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:					
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>					
<input checked="" type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following:							
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator							
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:							
<b>15. Mailing Address:</b>	2121 Midway Rd. Ste. 240						
	City	Carrollton	State	TX	ZIP	75006	ZIP + 4
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)			
				whenderson@madev.com			
<b>18. Telephone Number</b>		<b>19. Extension or Code</b>		<b>20. Fax Number</b> (if applicable)			
( 972 ) 715-6450				( ) -			

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
<b>The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)</b>	
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)	
Butler Farms Phase 13	



<b>23. Street Address of the Regulated Entity:</b> <i>(No PO Boxes)</i>	The site is located off W Hwy 29 and NW of CR 277. Phase 13 is situated N of Phase 5 and SW of Phase 12. Butler Farms Blvd. borders the eastern portion of the site, while Altamure Road runs along the northern boundary. The site is included in Parcel ID # R021816							
	<b>City</b>	Liberty Hill	<b>State</b>	TX	<b>ZIP</b>	78642	<b>ZIP + 4</b>	
<b>24. County</b>	Williamson County							
<b>Enter Physical Location Description if no street address is provided.</b>								
<b>25. Description to Physical Location:</b>	The site is located off W Hwy 29 and NW of CR 277. Phase 13 is situated N of Phase 5 and S of Phase 12. Butler Farms Blvd. borders the eastern portion of the site, while Altamure Road runs along the northern boundary. The site is included in Parcel ID # R021816							
<b>26. Nearest City</b>				<b>State</b>		<b>Nearest ZIP Code</b>		
Liberty Hill				TX		78642		
<b>27. Latitude (N) In Decimal:</b>		30.699910		<b>28. Longitude (W) In Decimal:</b>		-97.963840		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	41	59.676N	97	57	49.824W			
<b>29. Primary SIC Code (4 digits)</b>		<b>30. Secondary SIC Code (4 digits)</b>		<b>31. Primary NAICS Code (5 or 6 digits)</b>		<b>32. Secondary NAICS Code (5 or 6 digits)</b>		
1521				236115				
<b>33. What is the Primary Business of this entity?</b> <i>(Do not repeat the SIC or NAICS description.)</i>								
Land Development - Single Family Residential								
<b>34. Mailing Address:</b>		2121 Midway Rd Suite 240						
		<b>City</b>	Carrollton	<b>State</b>	TX	<b>ZIP</b>	75006	<b>ZIP + 4</b>
<b>35. E-Mail Address:</b>		whenderson@madev.com						
<b>36. Telephone Number</b>			<b>37. Extension or Code</b>			<b>38. Fax Number (if applicable)</b>		
( 972 ) 715-6450						( ) -		

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

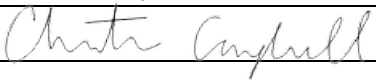
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source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

#### **SECTION IV: Preparer Information**

<b>40. Name:</b>	Christine Campbell			<b>41. Title:</b>	Project Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>		
( 512 ) 872-6696		( ) -	christine.campbell@hrgreen.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.

<b>Company:</b>	HR Green Development TX, LLC	<b>Job Title:</b>	Project Engineer	
<b>Name(In Print) :</b>	Christine Campbell	<b>Phone:</b>	( 512 ) 872-6696	
<b>Signature:</b>		<b>Date:</b>	10/23/2024	

### FIELD NOTES DESCRIPTION

DESCRIPTION OF 19.94 ACRES OF LAND IN THE JOHN B. BERRY SURVEY, ABSTRACT NO. 56, WILLIAMSON COUNTY, TEXAS; BEING A PORTION OF A CERTAIN CALLED 366.4641 ACRE TRACT OF LAND DESCRIBED IN EXHIBIT "A" IN THE WARRANTY DEED WITH VENDOR'S LIEN TO 366 TX 29, LTD, OF RECORD IN DOCUMENT NO. 2021021762, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 19.94 ACRES ALSO BEING A PORTION OF A CERTAIN CALLED 45.954 ACRE TRACT DESCRIBED IN THE SPECIAL WARRANTY DEED TO JNC DEVELOPMENT, INC. OF RECORD IN DOCUMENT NO. 2021022152, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 19.94 ACRES AS SURVEYED BY HR GREEN DEVELOPMENT TX, LLC, BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

**COMMENCING** at a 1/2-inch iron rod found at a re-entrant corner in the west line of the said 366.4641 acre tract, at the southeast corner of a certain called 132.225 acre tract described in the General Warranty Deed to Butler Family Partnership, LTD., of record in Document No. 2021038920, Official Public Records of Williamson County, Texas, and being an angle point in the north line of Lot 19, Block Z, Butler Farms Phase 2, 3, & 4, a subdivision according to the plat or map of record in Document No. 2022083520, Official Public Records of Williamson County, Texas;

**THENCE** N 04°01'23" W, with the west line of the said 366.4641 acre tract, with the east line of the said 132.225 acre tract and the north line of said Lot 19, Block Z, Butler Farms Phase 2, 3, & 4, a distance of 17.40 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the most northerly corner of said Lot 19, Block Z, Butler Farms Phase 2, 3, & 4, for the westerly southwest corner and **POINT OF BEGINNING** of the tract described herein;

**THENCE** N 04°01'23" W, leaving the most northerly corner of said Lot 19, Block Z, Butler Farms Phase 2, 3, & 4, with the west line of the said 366.4641 acre tract and the east line of the said 132.225 acre tract, with the west line of the tract described herein, a distance of 574.29 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for the northwest corner of the tract described herein, from which a 1/2-inch iron rod found at a northeast corner of the said 132.225 acre tract, at a re-entrant corner in the west line of the said 366.4641 acre tract bears N 04°01'23" W, a distance of 182.29 feet;

**THENCE** leaving the east line of the said 132.225 acre tract, crossing the said 366.4641 acre tract, with the north and east lines of the tract described herein, the following sixteen (16) courses and distances:

1. N 80°57'14" E, a distance of 147.60 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-curvature,
2. With the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 25.12 feet, and a chord which bears S 51°04'43" E, a distance of 22.28 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a non-tangent end-of-curve,
3. N 86°53'20" E, a distance of 50.00 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for an angle point,
4. N 03°06'40" W, a distance of 5.88 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-curvature,
5. With the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 23.56 feet, and a chord which bears N 41°53'39" E, a distance of 21.22 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point of compound-curvature,
6. With the arc of a curve to the right, having a radius of 465.00 feet, an arc distance of 41.00 feet, and a chord which bears N 89°25'31" E, a distance of 40.98 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-tangency,
7. S 88°02'57" E, a distance of 591.38 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-curvature,
8. With the arc of a curve to the left, having a radius of 515.00 feet, an arc distance of 88.92 feet, and a chord which bears N 87°00'16" E, a distance of 88.81 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point of reverse-curvature,

9. With the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 22.14 feet, and a chord which bears S 55°38'55" E, a distance of 20.19 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-tangency,
10. S 13°21'19" E, a distance of 488.83 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-curvature,
11. With the arc of a curve to the right, having a radius of 765.00 feet, an arc distance of 215.77 feet, and a chord which bears S 05°16'30" E, a distance of 215.06 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-tangency,
12. S 02°48'19" W, a distance of 166.60 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-curvature,
13. With the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 23.56 feet, and a chord which bears S 47°48'19" W, a distance of 21.21 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a non-tangent end-of-curve,
14. S 02°48'19" W, a distance of 50.00 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a non-tangent point-of-curvature,
15. With the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 23.56 feet, and a chord which bears S 42°11'41" E, a distance of 21.21 feet to a 1/2-inch iron rod with a plastic cap stamped "HR GREEN" set for a point-of-tangency, and
16. S 02°48'19" W, a distance of 210.99 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northwest terminus of Butler Farms Boulevard, a varying width right-of-way, as shown on Butler Farms Phase 1, a subdivision according to the plat or map of record in Document No. 2021181212, Official Public Records of Williamson County, Texas, for a point-of-curvature in the east line of the tract described herein;

**THENCE** continuing across the said 366.4641 acre tract, with the northwest right-of-way line of said Butler Farms Boulevard, with the southeast line of the tract described herein, with the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 23.56 feet, and a chord which bears S 47°48'18" W, a distance of 21.21 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the intersection of the west right-of-way line of said Butler Farms Boulevard and the north right-of-way line of Nightwoods Trail, a 50-foot right-of-way, as shown on said Butler Farms Phase 2, 3, & 4, same being a northeast corner of the said 45.954 acre tract, for a point-of-tangency in the south line of the tract described herein;

**THENCE** N 87°11'41" W, continuing across the said 366.4641 acre tract, with the north right-of-way line of said Nightwoods Trail, with a north line of the said 45.954 acre tract, with the south line of the tract described herein, a distance of 3.47 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the southeast corner of Lot 34, Block X, said Butler Farms Phase 2, 3, & 4, same being the most southerly southwest corner of the tract described herein;

**THENCE** N 02°48'19" E, continuing across the said 366.4641 acre tract, leaving the north right-of-way line of said Nightwoods Trail, with the east line of said Lot 34, Block X, Butler Farms Phase 2, 3, & 4, with a west line of the tract described herein, a distance of 120.58 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northeast corner of said Lot 34, Block X, Butler Farms Phase 2, 3, & 4, same being a re-entrant corner of the tract described herein;

**THENCE** continuing across the said 366.4641 acre tract, with the north lines of Lots 22-34, Block X, and the east lines of Lots 1-3, Block X, said Butler Farms Phase 2, 3, & 4, and with the south and west lines of the tract described herein, the following three (3) courses and distances:

1. N 87°11'41" W, a distance of 249.29 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for an angle point,
2. N 89°43'56" W, a distance of 296.94 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for a southwest corner of the tract described herein, and
3. N 25°47'59" E, a distance of 163.75 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the terminus of the south right-of-way line of Ergot Street, a 50-foot right-of-way as shown on said Butler Farms Phase 2, 3, & 4, for the northeast corner of said Lot 1, Block X, Butler Farms Phase 2, 3, & 4, for an angle point in the west line of the tract described herein;

**THENCE** N 23°10'10" E, with the eastern terminus line of said Ergot Street, with the west line of the tract described herein, a distance of 50.00 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the terminus of the north right-of-way line of said Ergot Street, same being a point-of-tangency in the south line of Lot 1, Block AA, said Butler Farms Phase 2, 3, & 4, for a non-tangent point-of-curvature and re-entrant corner of the tract described herein;

**THENCE** continuing across the said 366.4641 acre tract, with the south, east and north lines of said Lot 1, Block AA, Butler Farms Phase 2, 3, & 4, same being the south and west lines of the tract described herein, the following three (3) courses and distances:

1. with the arc of a curve to the left, having a radius of 225.00 feet, an arc distance of 33.13 feet, and a chord which bears S 71°02'57" E, a distance of 33.10 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the southeast corner of said Lot 1, Block AA, Butler Farms Phase 2, 3, & 4, for a re-entrant corner of the tract described herein,
2. N 07°57'35" E, a distance of 78.84 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northeast corner of said Lot 1, Block AA, Butler Farms Phase 2, 3, & 4, same being a re-entrant corner of the tract described herein, and
3. N 74°26'02" W, a distance of 136.23 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set in the south right-of-way line of Boulder Ridge Trail, a 50-foot right-of-way as shown on said Butler Farms Phase 2, 3, & 4, for the northwest corner of said Lot 1, Block AA, Butler Farms Phase 2, 3, & 4, same being a non-tangent point-of-curvature and a southwest corner of the tract described herein;

**THENCE**, continuing across the said 366.4641 acre tract, with the east, north and west right-of-way lines of said Boulder Ridge Trail, same being the east, south, and west lines of the tract described herein, the following three (3) courses and distances:

1. With the arc of a curve to the left, having a radius of 495.00 feet, an arc distance of 48.69 feet, and a chord which bears N 12°44'53" E, a distance of 48.67 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northeast terminus of said Boulder Ridge Trail, same being a re-entrant corner of the tract described herein,
2. N 79°29'28" W, a distance of 50.00 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northwest terminus of said Boulder Ridge Trail, same being a re-entrant corner and non-tangent point-of-curvature of the tract described herein, and
3. With the arc of a curve to the right, having a radius of 445.00 feet, an arc distance of 34.16 feet, and a chord which bears S 12°03'52" W, a distance of 34.15 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northeast corner of Lot 22, Block Y, said Butler Farms Phase 2, 3, & 4, same being a non-tangent end-of-curve and a southeast corner of the tract described herein;

**THENCE** N 75°44'11" W, continuing across the said 366.4641 acre tract, with the north line of said Lot 22, Block Y, Butler Farms Phase 2, 3, & 4, same being the south line of the tract described herein, a distance of 122.93 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set in the east line of Lot 1, Block Y, said Butler Farms Phase 2, 3, & 4, for the northwest corner of said Lot 22, Block Y, Butler Farms Phase 2, 3, & 4, same being a southwest corner of the tract described herein;

**THENCE** N 14°15'49" E, continuing across the said 366.4641 acre tract, with the east line of said Lot 1, Block Y, Butler Farms Phase 2, 3, & 4, same being a west line of the tract described herein, a distance of 40.50 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northeast corner of said Lot 1, Block Y, Butler Farms Phase 2, 3, & 4, same being a re-entrant corner of the tract described herein;

**THENCE** N 79°58'28" W, continuing across the said 366.4641 acre tract, with the north line of said Lot 1, Block Y, Butler Farms Phase 2, 3, & 4, with the south line of the tract described herein, at a distance of 123.05 feet, passing a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set in an east line of the said 45.954 acre tract, for the northeast terminus of Windstar Road, a 50-foot right-of-way as shown on said Butler Farms Phase 2, 3, & 4, for the northwest corner of said Lot 1, Block Y, Butler Farms Phase 2, 3, & 4, and crossing the said 45.954 acre tract, with the north terminus line of said Windstar Road, for a total distance of 173.05 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set in a west line of the said 45.954 acre tract, for the northwest terminus of said Windstar Road, same being a non-tangent point-of-curvature and re-entrant corner of the tract described herein;

**THENCE** continuing across the said 366.4641 acre tract, with the west right-of-way line of said Windstar Road, with the south line of the tract described herein, with the arc of a curve to the right, having a radius of 155.00 feet, an arc distance of 21.99 feet, and a chord which bears S 14°05'24" W, a distance of 21.97 feet to a 1/2-inch iron rod with a plastic cap stamped "LANDDEV" previously set for the northeast corner of Lot 1, Block Z, said Butler Farms Phase 2, 3, & 4, same being a non-tangent end-of-curve and a southeast corner of the tract described herein;

**THENCE** N 71°50'45" W, continuing across the said 366.4641 acre tract, with the north line of said Lot 1, Block Z, Butler Farms Phase 2, 3, & 4, with the south line of the tract described herein, a distance of 154.16 feet to the **POINT OF BEGINNING** and containing 19.94 acres of land, more or less.

**BEARING BASIS:** Texas Coordinate System, Central Zone, NAD83, Grid.

THE STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF TRAVIS

That I, Ernesto Navarrete, a Registered Professional Land Surveyor, do hereby certify that the above description is true and correct to the best of my knowledge and belief and that the parcel of land described herein is based upon a survey performed upon the ground under my direct supervision during the months of April and May, 2020, and March, 2022.

WITNESS MY HAND AND SEAL at Austin, Travis County, Texas, this 8<sup>th</sup> day of November 2024 A.D.

HR GREEN DEVELOPMENT TX, LLC  
5508 Highway 290 West, Suite 150  
Austin, Texas 78735



Ernesto Navarrete  
Registered Professional Land Surveyor  
No. 6642 – State of Texas



STATE OF TEXAS

COUNTY OF WILLIAMSON

**WARRANTY DEED**  
WITH VENDOR'S LIEN

**NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.**

**EFFECTIVE DATE:** February 10, 2021

**GRANTOR:** **BUTLER FAMILY PARTNERSHIP, LTD.,**  
a Texas limited partnership

**GRANTEE:** **366 TX 29, LTD.,**  
a Texas limited partnership

**GRANTEE'S ADDRESS:** 230 Klattenhoff Lane, Ste. 102  
Hutto, Texas 78634

**CONSIDERATION:** TEN DOLLARS (\$10.00) cash and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Grantor; with the further consideration of the execution and delivery by Grantee of a Promissory Note ("Note") in the principal amount of **\$4,128,900.00** of even date herewith payable to the order of Travis County Exchange Corporation, as Qualified Intermediary for Butler Family Partnership, Ltd., a Texas limited partnership ("Lender").

**REAL PROPERTY**

*A tract of land containing 366.4641 acres out of the John B. Berry Survey, Abstract No. 56, in Williamson County, Texas, more fully described on the attached Exhibit "A", BUT SAVE AND EXCEPT that certain 95.555 acres of land, in the John B. Berry Survey, Abstract No. 56, in Williamson County, Texas, as more fully described on the attached Exhibit "B", and SAVE AND EXCEPT that certain 45.954 acres of land, in the John B. Berry Survey, Abstract No. 56, in Williamson County, Texas, as more fully described on the attached Exhibit "C" (the "Land").*

(together with all improvements and fixtures, if any, located on the Land (the "Improvements"); all of Grantor's rights, title and interests, if any, in and to any and all rights, privileges, easements, hereditaments, and appurtenances to the Land, the ("Appurtenances"), including, without limitation, water, and any right, title and interest of Grantor in and to any creeks and streams, and any road, easements, alleys, streets, and rights-of-way, bounding or existing for the benefit of the Land, existing, vacated or proposed, in front of, or adjoining the Land, together with all rights of ingress and egress unto the Land; all of Grantor's right, title and interest, if any, in and to any development rights (the "Development Rights") benefiting or associated with the Land, including, but not limited to, any and all applications, permits, licenses, approvals, utility living or service unit equivalent allocations, utility service commitments, utility taps, letters of credit, prepaid utility capital recovery or impact fees, posted fiscal deposits and fees, reimbursement rights, credits, drainage discharge rights, entitlements, contracts, rights under traffic phasing agreement, access permits, or other development rights, and benefits now or hereafter associated with the Land, together with all construction plans, surveys and engineering work product relating to the Land and proposed improvements thereon. The Land and Improvements are referred to herein as the "Real Property." The Land, Improvements, Appurtenances, and Development Rights are referred to herein as the "Property.")

**RESERVATIONS FROM & EXCEPTIONS  
TO CONVEYANCE & WARRANTY:**

This conveyance is made and accepted subject to all restrictions, covenants, reservations, conditions, rights-of-way, and easements, if any, affecting the Property that are valid, existing, and properly of record; and subject, further, to all zoning laws, regulations, and ordinances of municipal or other governmental authorities, if any, but only to the extent that they are still in effect and relate to the Property.

**OIL, GAS, AND OTHER MINERALS:** Grantor hereby reserves for Grantor and Grantor's successors, and assigns forever, all oil, gas, and other minerals in and under and that may be produced from the Land. However, Grantor hereby waives and conveys to Grantee the right of ingress and egress to and from the surface of the Land and 500 feet thereunder, whether for exploration, production, or otherwise, relating to the mineral estate reserved by Grantor. Nothing will restrict or prohibit the pooling or unitization of the portion of the mineral estate reserved by Grantor with tracts other than the Land, provided that these operations in no manner interfere with the surface or subsurface support of any improvements constructed or to be constructed on the Land.

**AD VALOREM TAXES:**

*Ad valorem* taxes on the Property for the year 2021 are assumed by Grantee. If this conveyance or a change in use of the Property or denial of a special use valuation on the Property claimed by Grantor results in the assessment after Closing of additional taxes for periods prior to Closing, the additional taxes plus any penalties and interest shall be paid by Grantee.

**VENDOR'S LIEN:**

It is expressly agreed that a VENDOR'S LIEN, as well as the Superior Title in and to the Property, is retained against the Property, premises, and improvements until the above-described Note and all interest thereon are fully paid according to the face, tenor, effect, and reading thereof, when this Deed shall become



absolute. To secure payment of the Note, Grantor hereby ASSIGNS and TRANSFERS to Lender the Vendor's Lien and Superior Title without recourse on Grantor.

**DEED OF TRUST:**

As additional security for the payment of the Note, Grantee has executed and delivered a Deed of Trust conveying title to the Property to **William D. Brown**, Trustee, for the benefit of Lender.

**CONVEYANCE:**

Grantor, for the consideration and subject to the reservations from and exceptions to conveyance and warranty, GRANTS, SELLS, and CONVEYS to Grantee the Property, together with all and singular the rights and appurtenances thereto in any wise belonging, to have and hold it to Grantee, Grantee's heirs, executors, administrators, successors, or assigns forever. Grantor binds Grantor and Grantor's heirs, executors, administrators, successors, and assigns to WARRANT AND FOREVER DEFEND all and singular the Real Property to Grantee and Grantee's heirs, executors, administrators, successors, and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the reservations from and exceptions to conveyance and warranty.

**AS IS. GRANTEE ACKNOWLEDGES AND AGREES THAT EXCEPT FOR THE WARRANTY OF TITLE CONTAINED HEREIN AND FOR THE EXPRESS REPRESENTATIONS AND WARRANTIES OF GRANTOR MADE IN PARAGRAPH 6.1 OF THE CONTRACT BETWEEN GRANTOR AND GRANTEE, THAT (1) NEITHER GRANTOR NOR ITS REPRESENTATIVES HAVE MADE ANY REPRESENTATIONS OR WARRANTIES AS TO THE PROPERTY OR ITS ENVIRONMENTAL OR PHYSICAL CONDITION, UPON WHICH GRANTEE HAS RELIED; and (2) GRANTEE IS NOT RELYING ON ANY WRITTEN, ORAL, IMPLIED OR OTHER REPRESENTATIONS, STATEMENTS OR WARRANTIES BY GRANTOR OR ANY AGENT OF GRANTOR OR ANY REAL ESTATE BROKER OR SALESMAN; and (3) GRANTEE FURTHER ACKNOWLEDGES AND AGREES THAT HAVING BEEN GIVEN THE OPPORTUNITY TO INSPECT THE PROPERTY, GRANTEE IS RELYING SOLELY ON ITS OWN INVESTIGATION OF THE PROPERTY AND NOT ON ANY INFORMATION PROVIDED OR TO BE PROVIDED BY GRANTOR. GRANTEE FURTHER ACKNOWLEDGES AND AGREES THAT ANY INFORMATION PROVIDED OR TO BE PROVIDED WITH RESPECT TO THE PROPERTY WAS OBTAINED FROM A VARIETY OF SOURCES AND THAT GRANTOR HAS NOT MADE ANY INDEPENDENT INVESTIGATION OR VERIFICATION OF SUCH INFORMATION. GRANTEE FURTHER ACKNOWLEDGES AND AGREES THAT THE SALE OF THE PROPERTY AS PROVIDED FOR HEREIN IS MADE ON AN "AS IS, WHERE IS" CONDITION AND BASIS "WITH ALL FAULTS". GRANTEE ACKNOWLEDGES AND AGREES THAT THE PROVISIONS OF THIS PARAGRAPH WERE A MATERIAL FACTOR IN THE DETERMINATION OF THE PURCHASE PRICE OF THE PROPERTY.**

**TERMS:**

When the context requires, singular nouns and pronouns include the plural; and masculine forms include the feminine.

[signature page to follow]

EXECUTED this 10<sup>th</sup> day of February, 2021, to be EFFECTIVE on the date set forth above.

GRANTOR:

**BUTLER FAMILY PARTNERSHIP, LTD.,**

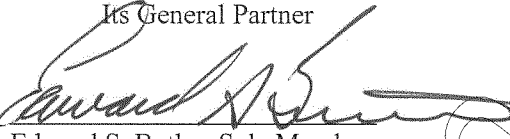
a Texas limited partnership

By: BCP GP, LLC,

a Texas limited liability company,

its General Partner

By:

  
Edward S. Butler, Sole Member

ACKNOWLEDGMENT

STATE OF TEXAS

\*

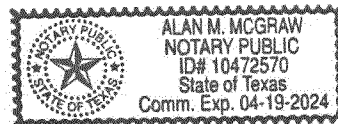
\*

COUNTY OF WILLIAMSON

\*

ACKNOWLEDGED BEFORE ME by the said **Edward S. Butler**, as Sole Member of **BCP GP, LLC**, a Texas limited liability company, the General Partner of **Butler Family Partnership, Ltd.**, a Texas limited partnership, on this 10 day of February, 2021, on behalf of said entities.

  
NOTARY PUBLIC STATE OF TEXAS



## EXHIBIT "A"

Legal Description

BEING A DESCRIPTION OF A TRACT OF LAND CONTAINING 366.4641 ACRES (15,963,175 SQUARE FEET) OUT OF THE JOHN B. BERRY SURVEY, ABSTRACT NO. 56, IN WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF A CALLED 546.33 ACRE TRACT OF LAND CONVEYED TO BUTLER FAMILY PARTNERSHIP, LTD. IN DOCUMENT NO. 2010087926 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS (O.P.R.W.C.T.), SAID 366.4641 ACRES BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:



PO Box 90876  
Austin, TX 78709  
512.537.2384  
[www.4wardls.com](http://www.4wardls.com)

**BEGINNING**, at a 1/2-inch iron rod with "RPLS 5025" cap found in the southwest line of said 546.33 acre tract, same being the northeast right-of-way line of Highway 29 (right-of-way width varies), at the south corner of a called 80.00 acre tract of land conveyed to 3AM Ventures, LLC in Document No. 2016028473 (O.P.R.W.C.T.), for the southwest corner and **POINT OF BEGINNING** hereof;

**THENCE**, crossing said 546.33 acre tract with the east line of said 80.00 acre tract, the following two (2) courses and distances:

- 1) **N17°41'30"E**, a distance of **1,532.13** feet to a 1/2-inch iron rod with "RPLS 5025" cap found for an angle point hereof, and
- 2) **N24°12'30"W**, a distance of **1,219.76** feet to a 1/2-inch iron rod with "RPLS 5025" cap found for an angle point hereof, being the northeast corner of said 80.00 acre tract, and being in the northwest line of said 546.33 acre tract, same being the southeast line of a called 16.92 acre tract conveyed to Rachel Osterloh, et ux. in Document No. 2015020206 (O.P.R.W.C.T.);

**THENCE**, with the common line of said 546.33 acre tract and said 16.92 acre tract, **N69°47'24"E**, a distance of **55.34** feet to a 1/2-inch iron rod found for an angle point hereof, being the east corner of said 16.92 acre tract, same being the easterly south corner of a called 134.741 acre tract conveyed to Dinah Beth Brothers in Document No. 2008063553 (O.P.R.W.C.T.);

**THENCE**, with the common line of said 546.33 acre tract and said 134.741 acre tract, the following seven (7) courses and distances:

- 1) **N70°05'25"E**, a distance of **49.84** feet to a 1/2-inch iron rod with "RPLS 5025" cap found for an angle point hereof,
- 2) **N21°07'49"W**, a distance of **701.45** feet to a 1/2-inch iron rod found for an angle point hereof,
- 3) **N20°53'28"W**, a distance of **60.64** feet to a 1/2-inch iron rod with "RPLS 5785" cap found for an angle point hereof,
- 4) **N69°24'55"E**, a distance of **1,344.86** feet to a 1/2-inch iron rod found for an angle point hereof,
- 5) **N04°00'11"W**, a distance of **774.04** feet to a 1/2-inch iron rod found for an angle point hereof,
- 6) **S69°33'52"W**, a distance of **388.52** feet to a 2" steel fence corner post found for an angle point hereof, and
- 7) **N19°44'16"W**, a distance of **935.31** feet to a 1/2-inch iron rod with "RPLS 5025" cap found for the northwest corner hereof, being the northwest corner of said 546.33 acre tract, same being the northernmost corner of said 134.741 acre tract, also being in the southeast line of a called 250.00 acre tract described in Document No. 2006073171 (O.P.R.W.C.T.);

**THENCE**, with the northwest line of said 546.33 acre tract, same being the southeast line of said 250.00 acre tract, the following four (4) courses and distances:

- 1) **N69°41'18"E**, a distance of **955.17** feet to a 1/2-inch iron rod found for an angle point hereof,
- 2) **N69°39'26"E**, a distance of **380.56** feet to a 1/2-inch iron rod found for an angle point hereof,
- 3) **N67°54'51"E**, a distance of **681.59** feet to a 1/2-inch iron rod found for an angle point hereof, and

- 4) **N68°42'12"E**, a distance of **401.14** feet to a 1/2-inch iron rod found for the northernmost corner hereof, being the northernmost corner of said 546.33 acre tract, and being the northwest corner of a called 22.005 acre tract conveyed to Jack R. Campbell in Volume 1062, Page 562 of the of the Official Records of Williamson County, Texas (O.R.W.C.T.);

**THENCE**, with the northeast line of said 546.33 acre tract, in part being the southwest line of said 22.005 acre tract, and part being the southwest line of a called 22.005 acre tract conveyed to Robert L. Harris in Document No. 2015031715 (O.P.R.W.C.T.) and described in Volume 817, Page 299 of the Deed Records Williamson County, Texas (D.R.W.C.T.), and part being southwest line of a called 11.544 acre tract conveyed to Robert L. Harris and Edena Harris in Volume 1456, Page 72 (O.R.W.C.T.), and part being the southwest line of a called 20.00 acre tract conveyed to Robert L. Harris and Edena B. Harris in Volume 2272, Page 749 (O.R.W.C.T.) and described in Volume 817, Page 319 (D.R.W.C.T.), and part being the southwest line of a called 20.00 acre tract conveyed to Robert L. Harris and Edena B. Harris in Volume 2272, Page 747 (O.R.W.C.T.) and described in Volume 817, Page 284 (D.R.W.C.T.), and part being the southwest line of a called 94.57 acre tract described in Volume 816, Page 349 (D.R.W.C.T.) and a portion conveyed in Document No. 2015075886 (O.P.R.W.C.T.), **S20°44'38"E**, a distance of **4,617.74** feet to a 6" cedar fence corner post found in the southwest line of said 94.57 acre tract, for the easternmost corner hereof, same being the easternmost corner of said 546.33 acre tract, also being the north corner of a called 100 acre tract conveyed to Leroy O. Hall and Thelma M. Hall Revocable Living Trust in Document No. 9819014 (O.R.W.C.T.);

**THENCE**, with the common line of said 546.33 acre tract and said 100 acre tract, **S69°23'02"W**, a distance of **1,733.09** feet to a 6" cedar fence corner post found for an angle point hereof, and being the west corner of said 100 acre tract, same being the north corner of a called 45.00 acre tract conveyed to Saraja, LLC in Document No. 2015108887 (O.P.R.W.C.T.);

**THENCE**, crossing said 546.33 acre tract with the northwest line of said 45.00 acre tract, **S52°40'43"W**, a distance of **2,538.65** feet to a 1/2-inch iron rod found for the southernmost corner hereof, and being the west corner of said 45.00 acre tract, same being in the southwest line of said 546.33 acre tract and in the northeast right-of-way line of Highway 29;

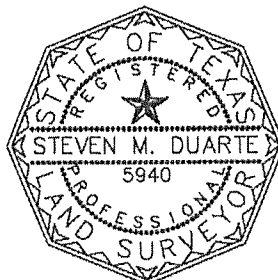
**THENCE**, with the common line of said 546.33 acre tract and Highway 29, the following three (3) courses and distances:

- 1) Along the arc of a curve to the left, whose radius is **1,005.40** feet, whose arc length is **209.79** feet and whose chord bears **N58°44'55"W**, a distance of **209.41** feet to a 1/2-inch iron rod with "3DS Land Surveying" cap found for a non-tangent point of compound curvature hereof;
- 2) Along the arc of a curve to the left, whose radius is **2,249.81** feet, whose arc length is **359.71** feet and whose chord bears **N64°38'13"W**, a distance of **359.33** feet to a 1/2-inch iron rod found for an angle point hereof, and
- 3) **N64°23'37"W**, a distance of **70.52** feet to the **POINT OF BEGINNING** hereof, and containing 366.4641 Acres (15,963,175 Square Feet) more or less.

**NOTE:**

Surveyed on the ground on July 5, 2018. All bearings are based on the Texas State Plane Coordinate System, Grid North, Central Zone (4203), all distances were adjusted to surface using a combined scale factor of 1.000153849973. See attached drawing (reference drawing: 00743\_Title Survey Overall.dwg).

12/13/19  
Steven M. Duarte, RPLS #5940  
4Ward Land Surveying, LLC  
TBPLS Firm #10174300





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"EXHIBIT B"

DESCRIPTION OF 95.555 ACRES OF LAND IN THE JOHN B. BERRY SURVEY, ABSTRACT NO. 56, WILLIAMSON COUNTY, TEXAS; BEING A PORTION OF A CERTAIN CALLED 546.33 ACRE TRACT OF LAND DESCRIBED IN THE ADMINISTRATOR'S SPECIAL WARRANTY DEED TO BUTLER FAMILY PARTNERSHIP, LTD. OF RECORD IN DOCUMENT NO. 2010087926, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 95.555 ACRES, ALSO BEING A PORTION OF A CERTAIN CALLED 366.455 ACRES DESCRIBED IN THE DEED OF TRUST RECORDED IN DOCUMENT NO. 2020023667, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 95.555 ACRES OF LAND, AS SURVEYED BY LANDDEV CONSULTING, LLC, BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

**COMMENCING** at a ½-inch iron rod found in the curving northeast right-of-way line of State Highway 29, a variable-width right-of-way, in the southwest line of the said 546.33 acre tract, at the southwest corner of the said 366.455 acre tract, at the northwest corner of a certain called 45.00 acre tract described in the deed to Saraja, LLC of record in Document No. 2015108887, Official Public Records of Williamson County, Texas;

**THENCE** N 52°40'32" E, leaving the curving northeast right-of-way line of said State Highway 29, crossing the said 546.33 acre tract, with the south line of the said 366.455 acre tract, with the northwest line of the said 45.00 acre tract, a distance of 2,302.20 feet to a calculated point for the southwest corner and **POINT OF BEGINNING** of the tract described herein;

**THENCE** leaving the northwest line of the said 45.00 acre tract, crossing the said 546.33 acre tract and the said 366.455 acre tract, with the west and north lines of the tract described herein, the following forty-nine (49) courses and distances:

1. N 20°57'17" W, a distance of 173.51 feet to a calculated angle point,
2. N 19°23'17" W, a distance of 81.94 feet to a calculated angle point,
3. N 20°57'17" W, a distance of 138.07 feet to a calculated angle point,
4. N 17°24'12" W, a distance of 292.21 feet to a calculated angle point,
5. N 15°56'58" E, a distance of 200.02 feet to a calculated angle point,
6. S 74°03'02" E, a distance of 200.00 feet to a calculated angle point,
7. S 81°07'58" E, a distance of 76.12 feet to a calculated angle point,
8. N 69°04'37" E, a distance of 45.82 feet to a calculated angle point,
9. N 20°57'17" W, a distance of 170.00 feet to a calculated angle point,
10. N 69°18'57" E, a distance of 105.07 feet to a calculated point-of-curvature,
11. with the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 23.49 feet, and a chord which bears S 65°49'19" E, a distance of 21.16 feet to a calculated point for a non-tangent end of curve,
12. S 20°57'17" E, a distance of 17.33 feet to a calculate angle point,
13. N 69°12'37" E, a distance of 50.00 feet to a calculate angle point,
14. N 20°57'17" W, a distance of 97.02 feet to a calculate angle point,
15. S 69°32'34" W, a distance of 50.00 feet to a calculated point for a non-tangent curve,
16. with a curve to the right, having a radius of 15.00 feet, an arc distance of 23.61 feet, and a chord which bears S 24°13'33" W, a distance of 21.25 feet to a calculated point-of-tangency,
17. S 69°18'57" W, a distance of 107.23 feet to a calculate angle point,

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18. N 16°17'55" W, a distance of 125.42 feet to a calculated angle point,
19. N 06°15'56" E, a distance of 521.64 feet to a calculated angle point,
20. N 29°41'39" W, a distance of 214.69 feet to a calculated angle point,
21. N 09°59'21" W, a distance of 74.87 feet to a calculated angle point,
22. N 01°05'48" E, a distance of 175.39 feet to a calculated angle point,
23. N 88°54'12" W, a distance of 200.35 feet to a calculated angle point,
24. N 05°29'27" E, a distance of 50.15 feet to a calculated angle point,
25. S 88°54'12" E, a distance of 189.26 feet to a calculated angle point,
26. N 14°12'32" W, a distance of 109.14 feet to a calculated angle point,
27. N 01°41'30" E, a distance of 203.33 feet to a calculate angle point,
28. N 25°18'15" E, a distance of 185.11 feet to a calculate angle point,
29. N 08°21'54" W, a distance of 200.00 feet to a calculate angle point,
30. N 35°54'33" W, a distance of 85.46 feet to a calculate angle point,
31. N 00°19'19" W, a distance of 175.96 feet to a calculate angle point,
32. N 11°21'23" W, a distance of 100.14 feet to a calculate angle point,
33. N 81°38'05" E, a distance of 120.00 feet to a calculate angle point,
34. N 68°32'59" E, a distance of 50.00 feet to a calculated point of a non-tangent curve,
35. with the arc of a curve to the right, having a radius of 825.00 feet, an arc distance of 138.49 feet, and a chord which bears S 16°38'28" E, a distance of 138.33 feet to a calculated point of reverse curvature,
36. with the arc of a curve to the left, having a radius of 15.00 feet, an arc distance of 22.93 feet, and a chord which bears S 55°37'37" E, a distance of 20.76 feet to a calculated point-of-tangency,
37. N 80°34'42" E, a distance of 38.62 feet to a calculated point-of-curvature,
38. with the arc of a curve to the left, having a radius of 670.00 feet, an arc distance of 83.36 feet, and a chord which bears N 77°00'50" E, a distance of 83.31 feet to a calculated point for a non-tangent end of curve,
39. N 19°04'21" W, a distance of 169.35 feet to a calculate angle point,
40. N 28°26'27" W, a distance of 352.03 feet to a calculate angle point,
41. N 60°57'35" E, a distance of 211.25 feet to a calculate angle point,
42. N 74°10'23" E, a distance of 166.35 feet to a calculate angle point,
43. S 23°58'12" E, a distance of 167.10 feet to a calculate angle point,
44. S 12°17'42" E, a distance of 161.34 feet to a calculate angle point,
45. S 21°27'30" E, a distance of 210.02 feet to a calculate angle point,
46. N 69°18'57" E, a distance of 116.67 feet to a calculated point-of-curvature,

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47. with the arc of a curve to the left, having a radius of 15.00 feet, an arc distance of 23.58 feet, and a chord which bears N 24°17'09" E, a distance of 21.22 feet to a calculated point-of-tangency,
48. N 20°44'38" W, a distance of 10.01 feet to a calculate angle point, and
49. N 69°40'57" E, a distance of 185.00 feet to a calculated point in the east line of the said 546.33 acre tract and the said 366.455 acre tract, in the west line of a certain called 22.005 acre tract designated as Tract 1 and conveyed in the Executor's Deed to Edna Bray Harris of record in Document No. 2018052583, Official Public Records of Williamson County, Texas, and described in the deed to Robert L. Harris of record in Volume 1456, Page 72, Official Records of Williamson County, Texas, for a northeast corner of the tract described herein;

**THENCE** S 20°44'37" E, with the east line of the said 546.33 acre tract and the said 366.455 acre tract, with the west line of the said 22.005 acre tract, with the west lines of Tract 5 (11.544 acres), Tract 4 (20.00 acres) and Tract 3 (20.00 acres) conveyed in the said Executor's Deed to Edna Bray Harris of record in said Document No. 2018052583, Official Public Records of Williamson County, Texas, and described in a deed to Veterans' Land Board of the State of Texas of record in said Volume 817, Page 319, Deed Records of Williamson County, Texas, and the west line of a certain called 94.57 acre tract, save and except 10.00 acres and 15.00 acres, conveyed in the deed to 1047 Liberty Hill Series, a Series of Lechow Investments LLC, of record in Document No. 2015075887, Official Public Records of Williamson County, Texas, and described in the deed to John D. Pope and wife, Ada L. Pope of record in Volume 816, Page 349, Deed Records of Williamson County, Texas, with an east line of the tract described herein, a distance of 2,721.12 feet to a 6-inch cedar fence post found in the west line of the said 94.57 acre tract, at the easterly southeast corner of the said 546.33 acre tract, at the southeast corner of the said 366.455 acre tract, same being the northeast corner of a certain called 100 acre tract described in the deed to Leroy O. Hall and Thelma M. Hall Revocable Living Trust of record in Document No. 9819014, Official Records of Williamson County, Texas, for the easterly southeast corner of the tract described herein, from which a 60-d nail found for reference bears N 60°03'01" E, a distance of 0.74 feet;

**THENCE** S 69°22'46" W, with a south line of the said 546.33 acre tract and the said 366.455 acre tract, and the north line of the said 100 acre tract, with the south line of the tract described herein, a distance of 1,733.10 feet to a 6-inch cedar fence post found at the northwest corner of the said 100 acre tract and the northeast corner of the said 45.00 acre tract, same being a re-entrant corner of the said 546.33 acre tract, at an angle point in the south line of the said 366.455 acre tract, for an angle point in the south line of the tract described herein;

**THENCE** S 52°40'32" W, crossing the said 546.33 acre tract, continuing with the south line of the said 366.445 acre tract, with the north line of the said 45.00 acre tract, continuing with the south line of the tract described herein, a distance of 236.34 feet to the **POINT OF BEGINNING** and containing 95.555 acres of land, more or less.

**BEARING BASIS:** Texas Coordinate System, Central Zone, NAD83, Grid.

THE STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF TRAVIS

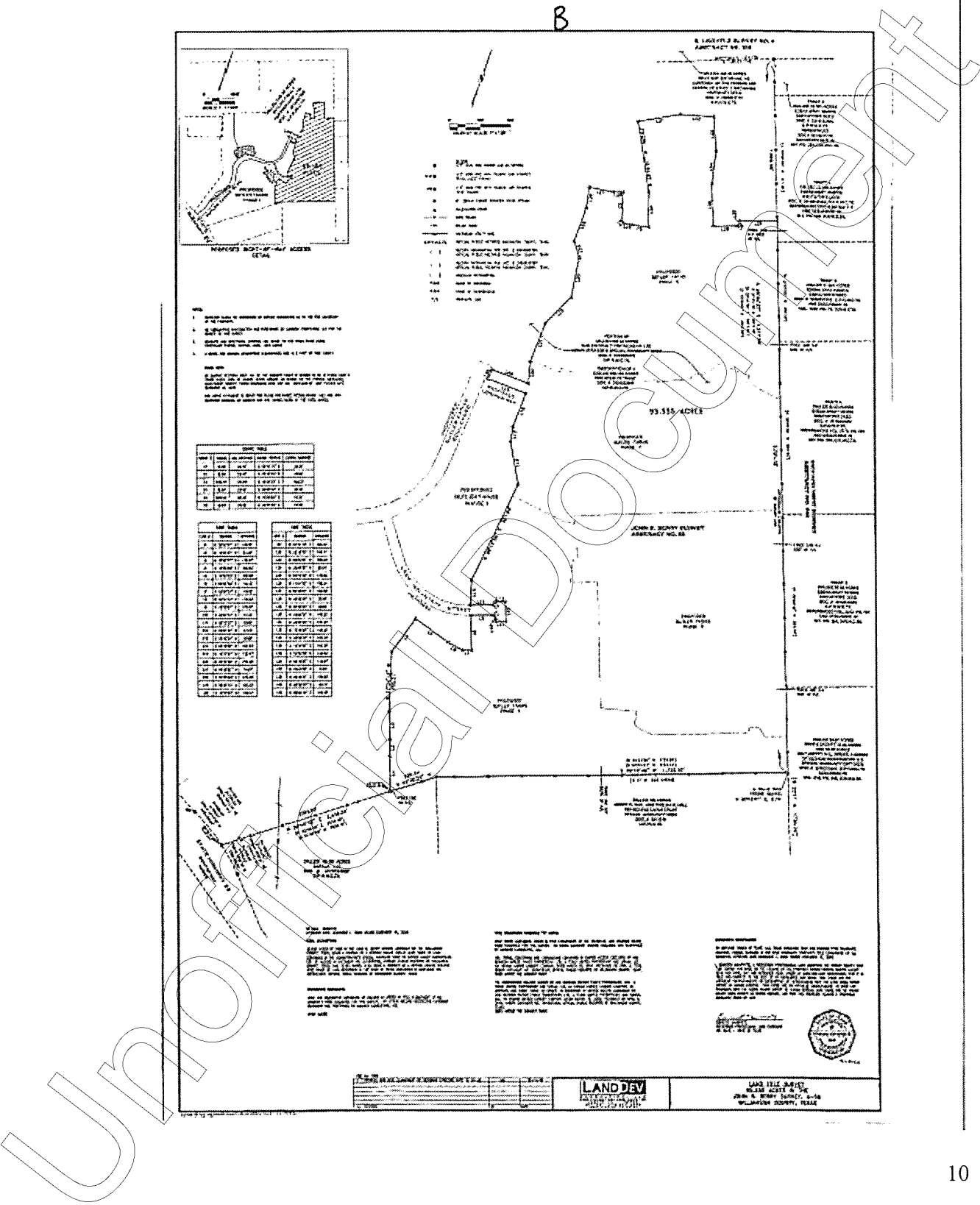
That I, Ernesto Navarrete, a Registered Professional Land Surveyor, do hereby certify that the above description is true and correct to the best of my knowledge and belief and that the parcel of land described herein is based upon a survey performed upon the ground under my direct supervision during the months of August, 2019 and April, May and December, 2020.

WITNESS MY HAND AND SEAL at Austin, Travis County, Texas, this 11<sup>th</sup> day of December 2020 A.D.

LANDDEV CONSULTING, LLC  
5508 Highway 290 West, Suite 150  
Austin, Texas 78735

Ernesto Navarrete  
Registered Professional Land Surveyor  
No. 6642 – State of Texas







Williamson County, Texas  
John B. Berry Survey, Abstract No. 56

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**"EXHIBIT C"**

DESCRIPTION OF 45.954 ACRES OF LAND IN THE JOHN B. BERRY SURVEY, ABSTRACT NO. 56, WILLIAMSON COUNTY, TEXAS; BEING A PORTION OF A CERTAIN CALLED 546.33 ACRE TRACT OF LAND DESCRIBED IN THE ADMINISTRATOR'S SPECIAL WARRANTY DEED TO BUTLER FAMILY PARTNERSHIP, LTD. OF RECORD IN DOCUMENT NO. 2010087926, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 45.954 ACRES, ALSO BEING A PORTION OF A CERTAIN CALLED 366.455 ACRE TRACT OF LAND DESCRIBED IN THE DEED OF TRUST RECORDED IN DOCUMENT NO. 2020023667, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 45.954 ACRES OF LAND, AS SURVEYED BY LANDDEV CONSULTING, LLC, BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

**COMMENCING** at a ½-inch iron rod found in the curving northeast right-of-way line of State Highway 29, a variable-width right-of-way, in the southwest line of the said 546.33 acre tract, at the southwest corner of the said 366.455 acre tract, same being the northwest corner of a certain called 45.00 acre tract of land described in the Special Warranty Deed to Saraja, LLC of record in Document No. 2015108887, Official Public Records of Williamson County, Texas;

**THENCE** N 14°25'59" E, leaving the curving northeast right-of-way line of said State Highway 29, crossing the said 546.33 acre tract and the said 366.455 acre tract, a distance of 2,714.15 feet to a calculated point for the most southerly southwest corner and **POINT OF BEGINNING** of the tract described herein;

**THENCE**, crossing the said 546.33 acre tract and the said 366.455 acre tract, with the west and south lines of the tract described herein, the following fifteen (15) courses and distances:

1. N 00°11'36" W, a distance of 132.00 feet to a calculated angle point,
2. N 89°48'24" E, a distance of 5.03 feet to a calculated angle point,
3. N 00°11'36" W, a distance of 50.00 feet to a calculated angle point,
4. S 89°48'24" W, a distance of 70.00 feet to a calculated point-of-curvature,
5. with the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 23.56 feet, and a chord which bears N 45°11'36" W, a distance of 21.21 feet to a calculated point-of-tangency,
6. N 00°11'36" W, a distance of 35.15 feet to a calculated point-of-curvature,
7. with the arc of a curve to the left, having a radius of 205.00 feet, an arc distance of 28.31 feet, and a chord which bears N 04°08'56" W, a distance of 28.28 feet to a calculated point for a non-tangent end of curve,
8. S 81°53'43" W, a distance of 50.00 feet to a calculated point of non-tangent curvature,
9. with the arc of a curve to the left, having a radius of 155.00 feet, an arc distance of 80.92 feet, and a chord which bears N 23°03'41" W, a distance of 80.01 feet to a calculated point of non-tangency,
10. S 72°47'55" W, a distance of 189.60 feet to a calculated angle point,
11. S 58°30'07" W, a distance of 292.23 feet to a calculated point for the most westerly southwest corner of the tract described herein, from which a ½-inch iron rod with a plastic cap stamped "RPLS 5025" found at a re-entrant corner of the said 546.33 acre tract, same being a re-entrant corner of the said 366.455 acre tract, at a southeast corner of a certain called 134.741 acre tract of land designated as Tract 1 and described in the Warranty Deed with Vendor's Lien to Dinah Beth Brothers of record in Document No. 2008063553, Official Public Records of Williamson County, Texas, bears N 75°11'25" W, a distance of 605.88 feet,
12. N 44°05'01" W, a distance of 257.32 feet to a calculated angle point,
13. N 34°41'44" W, a distance of 113.90 feet to a calculated angle point,
14. N 28°17'28" W, a distance of 113.82 feet to a calculated angle point, and

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John B. Berry Survey, Abstract No. 56

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15. N 20°21'04" W, a distance of 653.69 feet to a calculated point in a north line of the said 546.33 acre tract, in a north line of the said 366.455 acre tract, and in a south line of the said 134.741 acre tract, for the most westerly northwest corner of the tract described herein, from which a 1/2-inch iron rod with a plastic cap stamped "RPLS 5025" found at a northwest corner of the said 546.33 acre tract and a northwest corner of the said 366.455 acre tract, same being a re-entrant corner of the said 134.741 acre tract bears S 69°25'22" W, a distance of 357.99 feet;

**THENCE**, with a north and a west line of the said 546.33 acre tract, with a north and a west line of the said 366.455 acre tract, with a south and an east line of the said 134.741 acre tract, with a north and west line of the tract described herein, the following two (2) courses and distances:

1. N 69°25'22" E, a distance of 987.23 feet to a 1/2-inch iron rod found at a re-entrant corner of the said 546.33 acre tract and the said 366.455 acre tract, same being the most easterly southeast corner of the said 134.741 acre tract, for a re-entrant corner of the tract described herein, and
2. N 04°01'23" W, a distance of 17.40 feet to a calculated point for a northwest corner of the tract described herein, from which a 1/2-inch iron rod found at a re-entrant corner of the said 546.33 acre tract and the said 366.455 acre tract, same being a northeast corner of the said 134.741 acre tract bears N 04°01'23" W, a distance of 756.57 feet;

**THENCE**, leaving the east line of the said 134.741 acre tract, crossing the said 546.33 acre tract and the said 366.455 acre tract, with the north, east and south lines of the tract described herein, the following thirty (30) courses and distances:

1. S 71°50'45" E, a distance of 154.16 feet to a calculated point of non-tangent curvature,
2. with the arc of a curve to the left, having a radius of 155.00 feet, an arc distance of 29.51 feet, and a chord which bears N 12°41'59" E, a distance of 29.47 feet to a calculated point of compound curvature,
3. with the arc of a curve to the left, having a radius of 25.00 feet, an arc distance of 27.22 feet, and a chord which bears N 23°56'36" W, a distance of 25.89 feet to a calculated point of reverse curvature,
4. with the arc of a curve to the right, having a radius of 60.00 feet, an arc distance of 300.96 feet, and a chord which bears N 88°33'52" E, a distance of 71.05 feet to a calculated point of reverse curvature,
5. with the arc of a curve to the left, having a radius of 25.00 feet, an arc distance of 21.29 feet, and a chord which bears S 27°51'35" W, a distance of 20.66 feet to a calculated point of reverse curvature,
6. with the arc of a curve to the right, having a radius of 205.00 feet, an arc distance of 23.50 feet, and a chord which bears S 06°44'31" W, a distance of 23.48 feet to a calculated point for a non-tangent end of curve,
7. S 79°58'28" E, a distance of 123.05 feet to a calculated angle point,
8. S 14°15'49" W, a distance of 40.50 feet to a calculated angle point,
9. S 75°44'11" E, a distance of 122.93 feet to a calculated point of non-tangent curvature,
10. with the arc of a curve to the left, having a radius of 445.00 feet, an arc distance of 29.16 feet, and a chord which bears N 12°23'11" E, a distance of 29.16 feet to a calculated point for a non-tangent end of curve,
11. S 79°29'28" E, a distance of 50.00 feet to a calculated point of non-tangent curvature,
12. with the arc of a curve to the right, having a radius of 495.00 feet, an arc distance of 47.93 feet, and a chord which bears S 13°16'58" W, a distance of 47.91 feet to a calculated point for a non-tangent end of curve,
13. S 73°56'37" E, a distance of 136.98 feet to a calculated angle point,
14. S 07°57'35" W, a distance of 73.38 feet to a calculated point of non-tangent curvature,
15. with the arc of a curve to the right, having a radius of 225.00 feet, an arc distance of 33.13 feet, and a chord which bears N 71°02'57" W, a distance of 33.10 feet to a calculated point for a non-tangent end of curve,
16. S 23°10'10" W, a distance of 50.00 feet to a calculated angle point,
17. S 25°47'59" W, a distance of 163.75 feet to a calculated angle point,

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18. S 89°43'56" E, a distance of 296.94 feet to a calculated angle point,
19. S 87°11'41" E, a distance of 244.29 feet to a calculated angle point,
20. S 02°48'19" W, a distance of 120.58 feet to a calculated angle point,
21. S 87°11'41" E, a distance of 8.47 feet to a calculated angle point,
22. S 01°05'14" W, a distance of 50.02 feet to a calculated point of non-tangent curvature,
23. with the arc of a curve to the right, having a radius of 13.50 feet, an arc distance of 21.21 feet, and a chord which bears S 42°11'41" E, a distance of 19.09 feet to a calculated point-of-tangency,
24. S 02°48'19" W, a distance of 428.64 feet to a calculated point-of-curvature,
25. with the arc of a curve to the right, having a radius of 435.00 feet, an arc distance of 653.70 feet, and a chord which bears S 45°51'22" W, a distance of 593.90 feet to a calculated point of compound curvature,
26. with the arc of a curve to the right, having a radius of 187.00 feet, an arc distance of 11.47 feet, and a chord which bears N 89°20'10" W, a distance of 11.47 feet to a calculated point-of-tangency,
27. N 87°34'45" W, a distance of 224.16 feet to a calculated angle point,
28. N 78°12'05" W, a distance of 18.41 feet to a calculated point-of-curvature,
29. with the arc of a curve to the left, having a radius of 216.00 feet, an arc distance of 9.86 feet, and a chord which bears N 88°53'10" W, a distance of 9.85 feet to a calculated point-of-tangency, and
30. S 89°48'24" W, a distance of 123.91 feet to the **POINT OF BEGINNING** and containing 45.954 acres of land, more or less.

**BEARING BASIS:** Texas Coordinate System, Central Zone, NAD83, Grid.

THE STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF TRAVIS

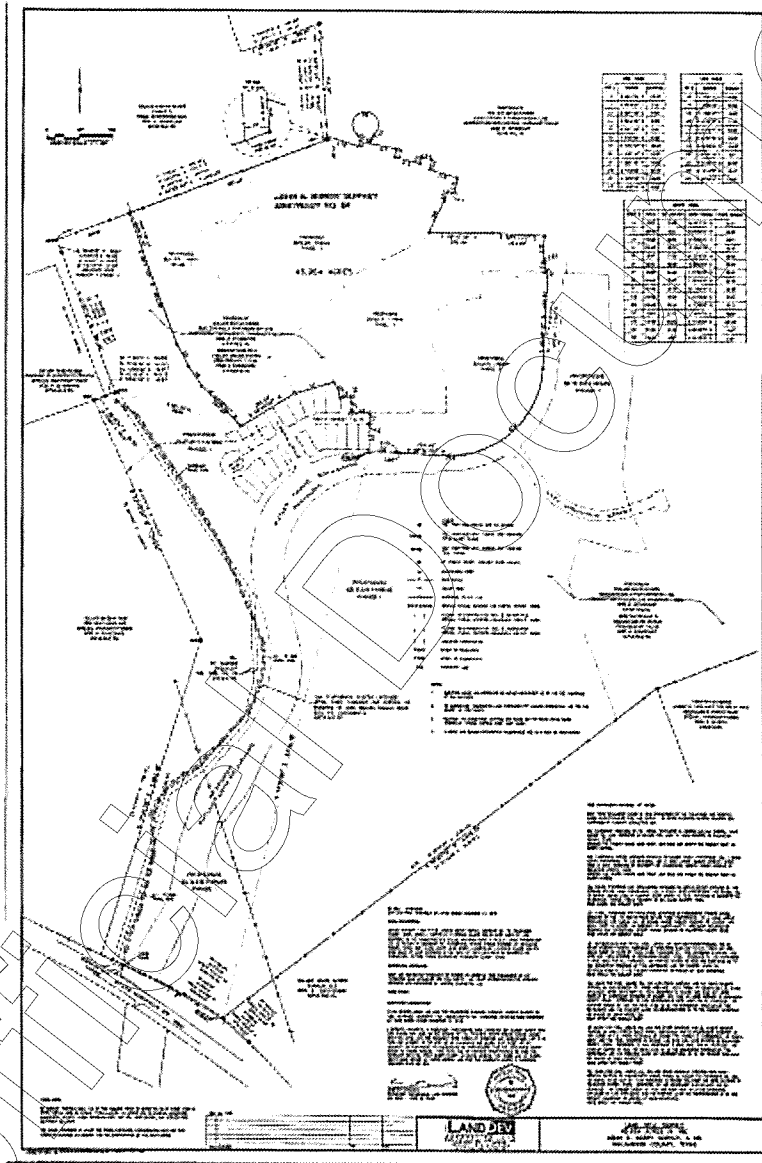
That I, Ernesto Navarrete, a Registered Professional Land Surveyor, do hereby certify that the above description is true and correct to the best of my knowledge and belief and that the parcel of land described herein is based upon a survey performed upon the ground under my direct supervision during the months of August, 2019 and April, May and December, 2020.

WITNESS MY HAND AND SEAL at Austin, Travis County, Texas, this 11<sup>th</sup> day of December 2020 A.D.

LANDDEV CONSULTING, LLC  
5508 Highway 290 W, Suite 150  
Austin, Texas 78735

Ernesto Navarrete  
Registered Professional Land Surveyor  
No. 6642 – State of Texas

C





**ELECTRONICALLY RECORDED  
OFFICIAL PUBLIC RECORDS**

**2021021762**

Pages: 15 Fee: \$81.00  
02/12/2021 12:59 PM



*Nancy E. Rister*

Nancy E. Rister, County Clerk  
Williamson County, Texas

Unofficial Document

CITY OF LIBERTY HILL, TEXAS  
CITY PROJECT NO. ##-###CON

## LEGAL DESCRIPTION

$$1'' = 5,000'$$

### ##-###CON



**##-###CO**

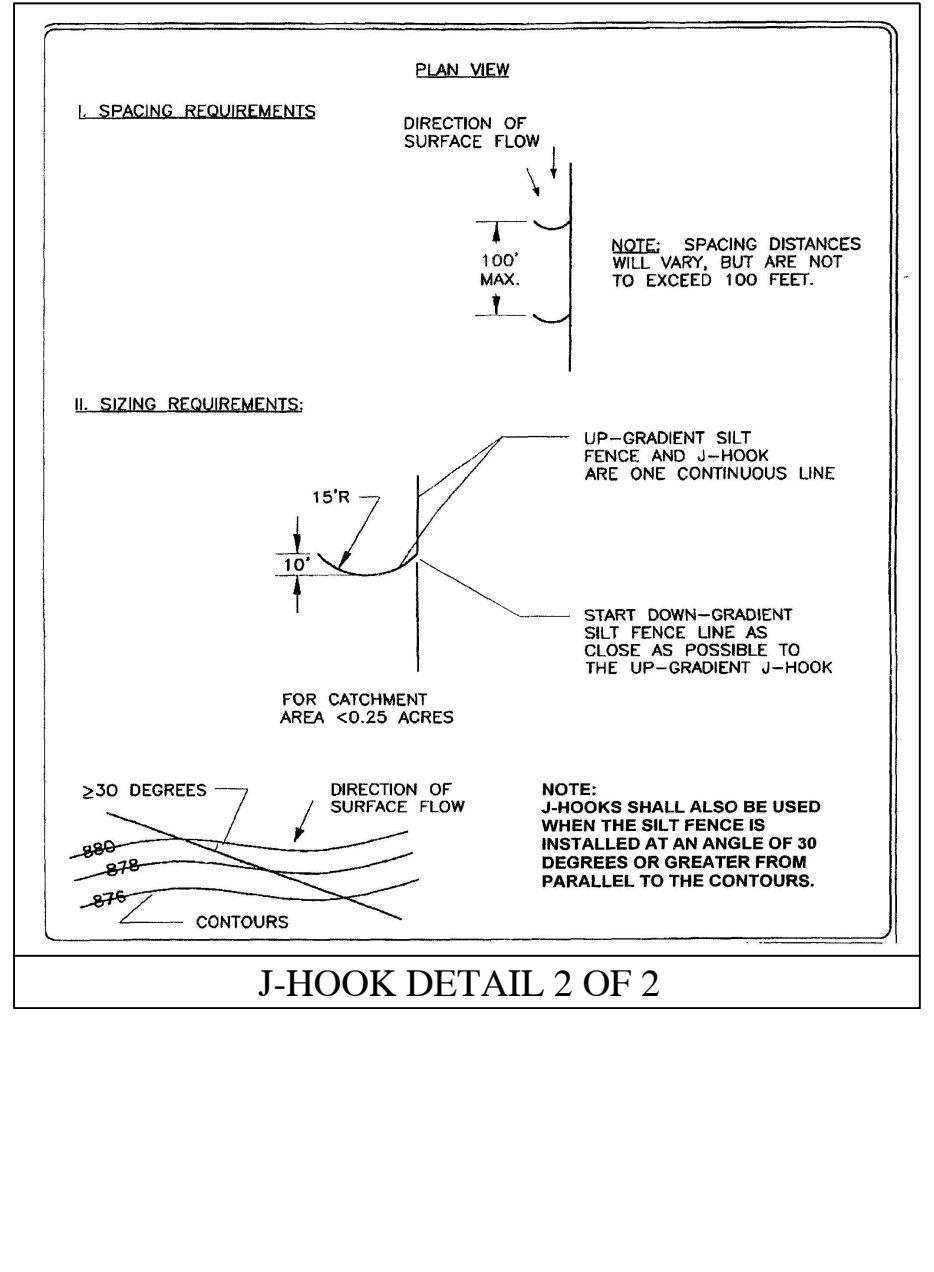
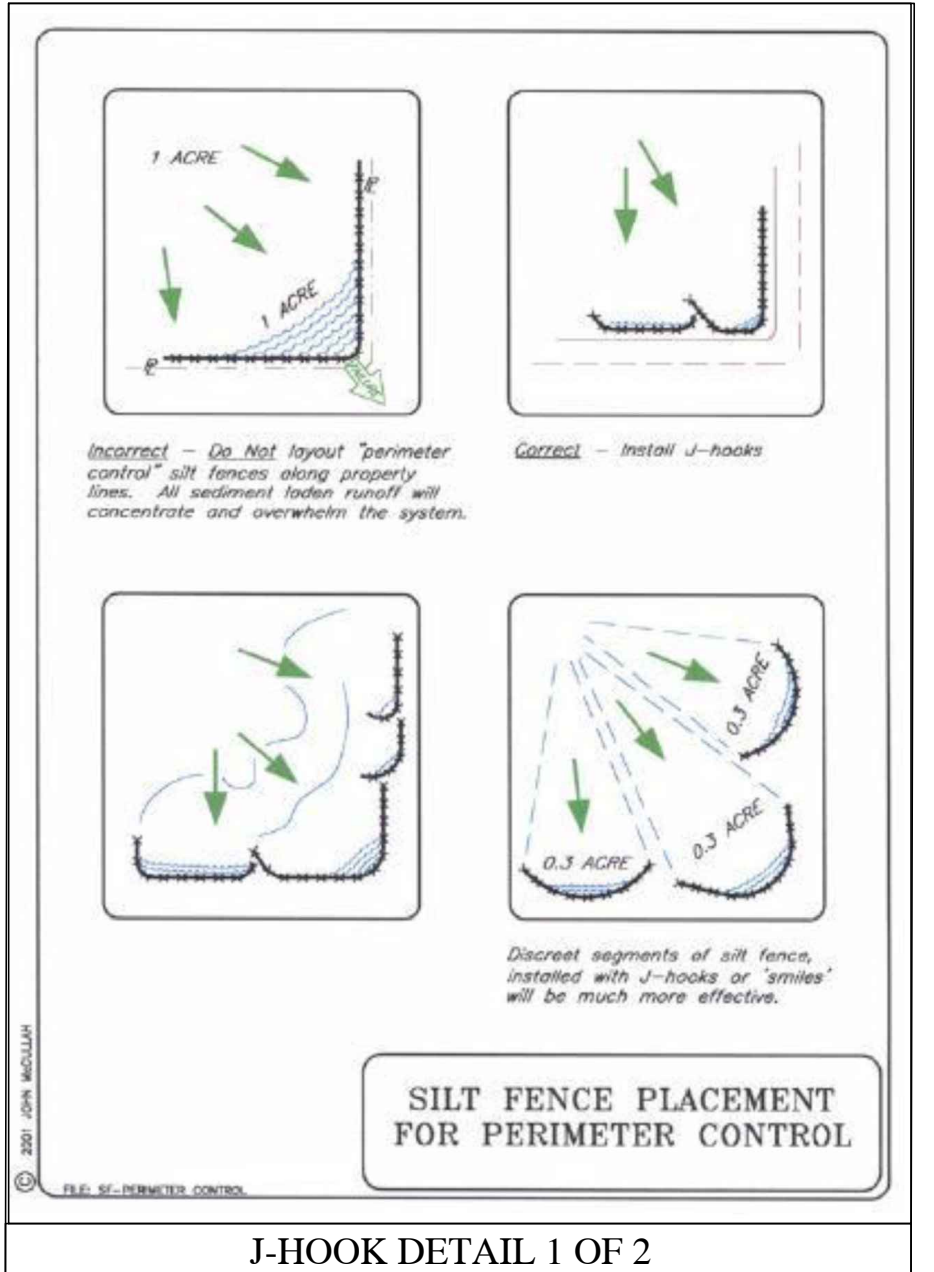










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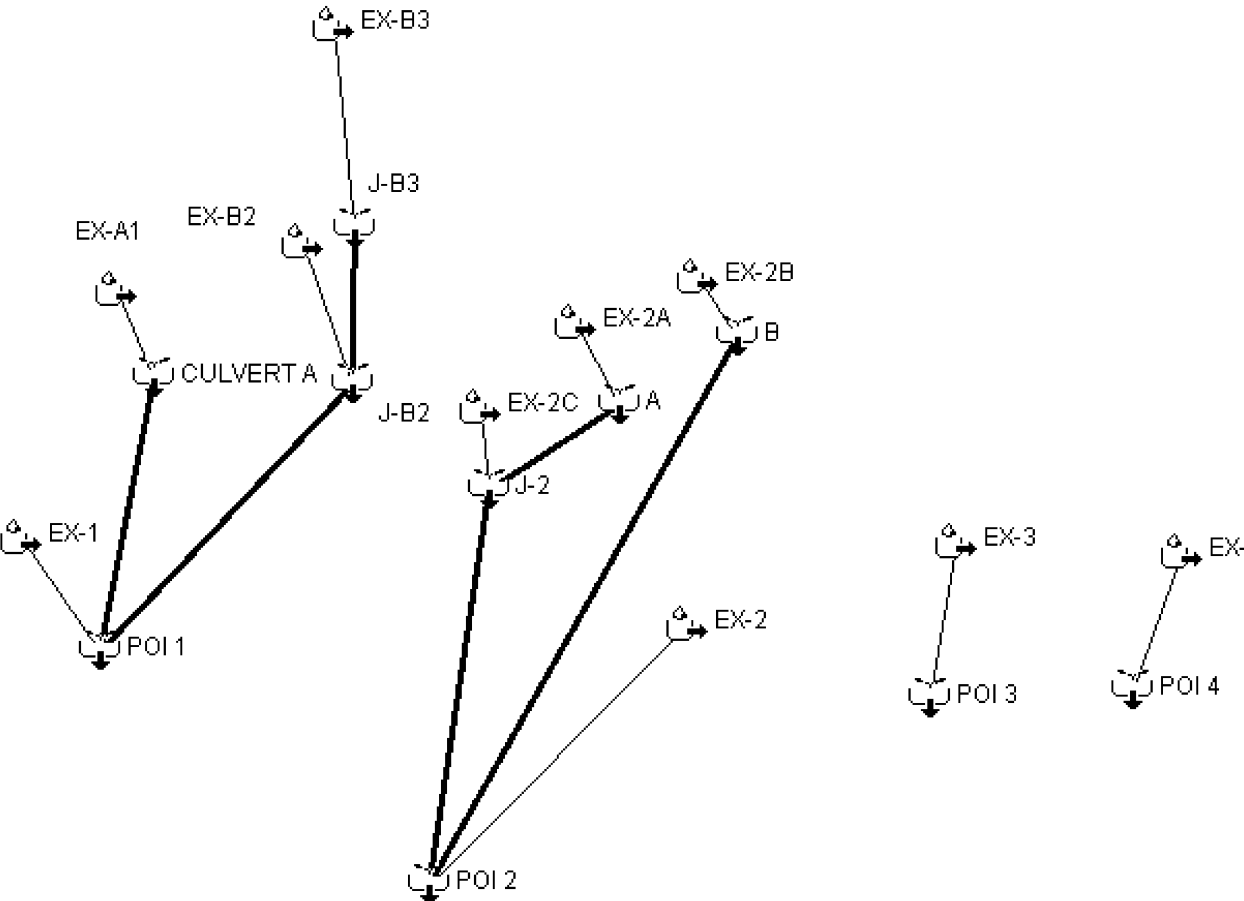




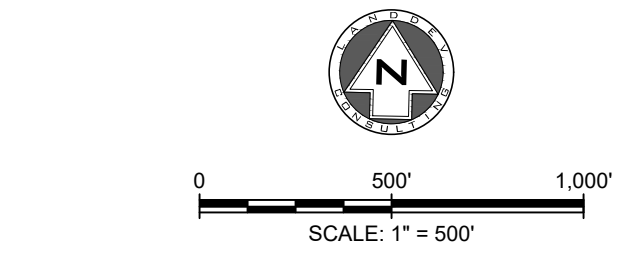




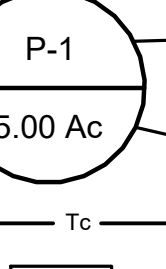
	Analysis Point	POI 1			POI 2			POI 3			POI 4		
		EXISTING	ULT	CHANGE IN Q (ULT - EX)	EXISTING	ULT	CHANGE IN Q (ULT - EX)	EXISTING	ULT	CHANGE IN Q (ULT - EX)	EXISTING	ULT	CHANGE IN Q (ULT - EX)
Peak Flow (cfs)  NOT ATLAS 14	Q <sub>2</sub>	679	654	-25	592	569	-23	44	43	-1	78	70	-8
	Q <sub>10</sub>	1,530	1,487	-43	1,331	1,278	-54	99	95	-4	175	159	-15
	Q <sub>25</sub>	2,030	1,992	-37	1,765	1,694	-71	132	125	-6	231	207	-24
	Q <sub>100</sub>	2,856	2,815	-41	2,482	2,386	-97	185	176	-10	325	290	-35

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## LEGEND



A circle with 'P-1' and '5.00 Ac' inside.

A horizontal line with 'Tc' below it.

A rectangle with 'POI-15' inside.

A right-pointing arrow.

Three thick black horizontal bars.

A dotted line with '8.35' in the middle.

A dotted line with '8.34' in the middle.

A solid line with '8.35' in the middle.

A solid line with '8.34' in the middle.

A solid line with '100YR' in the middle.

DRAINAGE AREA NAME

DRAINAGE AREA (IN ACRES)

TIME OF CONCENTRATION

DRAINAGE DESIGN POINT

DIRECTION OF FLOW

DRAINAGE AREA

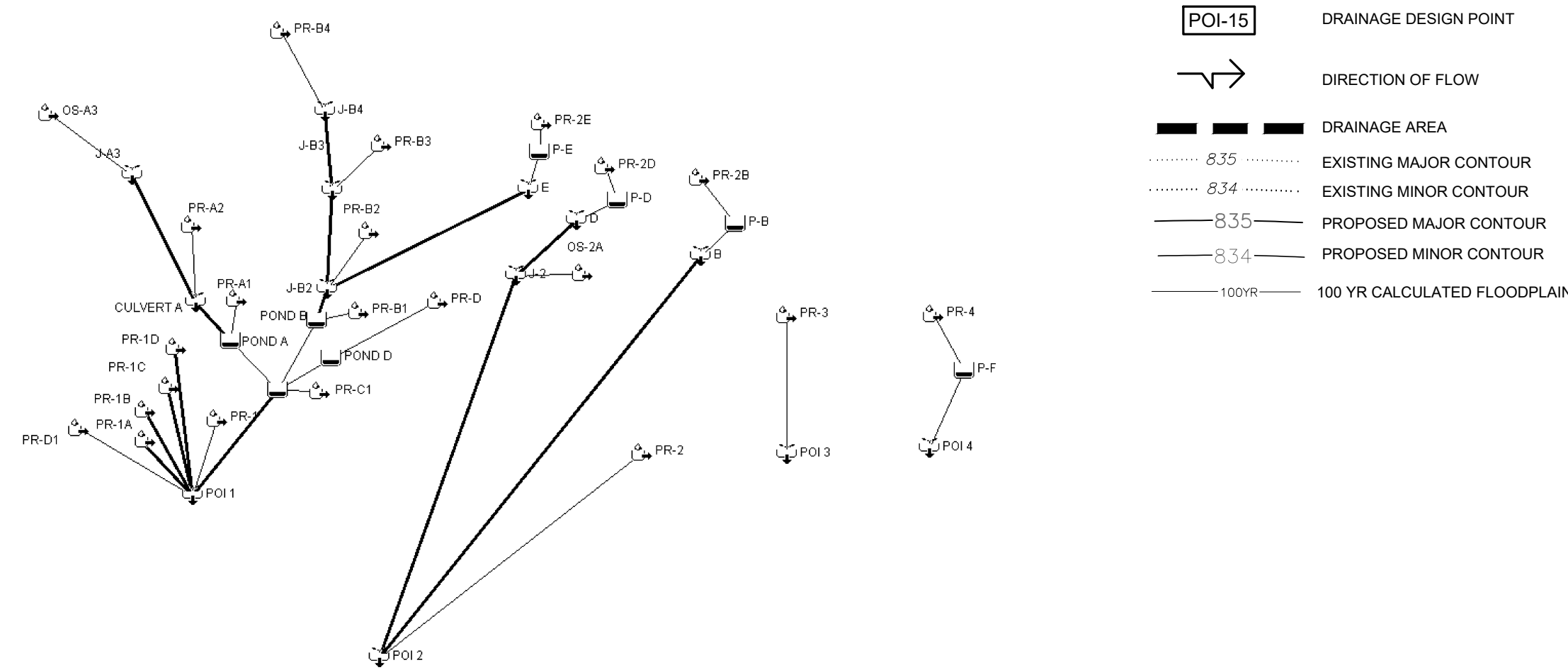
EXISTING MAJOR CONTOUR

EXISTING MINOR CONTOUR

PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

100 YR CALCULATED FLOODPLAIN



Butler Farms - Ultimate Conditions Hydrology Summary																		
Analysis Point	Peak Flow (cfs) ATLAS 14				User Inputs				Auto-Calculation				TOC Calculation Table		Routing Analysis Inputs			
	Q <sub>1</sub>	Q <sub>2</sub>	Q <sub>3</sub>	Q <sub>500</sub>	Contributing Area	Area (sf)	CN (Pervious)	CN (Impervious)	Impervious Cover (tons) (sf)	Impervious Cover (Other) (sf)	Impervious Cover (%)	Area (ac)	TOC (min)	Area (sq. mi.)	Composite Curve Number	Lag Time	DS Reach	
J-A3	205	389	525	771	OS-A3	6,165,024	84	98	125,000	26,489	2.8%	141.53	25.15	0.2211358	84.40	23.10		
CULVERT A	303	563	756	1,102	PR-A2	2,706,401	84	98	649,200	313,830	35.6%	62.13	38.15	0.0970788	88.98	15.09	R J-A3, CULVERT A	
POND A	310	583	787	1,153	PR-A1	804,671	84	98	70,200	145,024	26.7%	18.47	15.74	0.0288636	87.74	9.44		
J-B4	159	286	379	547	PR-B4	3,740,781	84	98	730,000	298,164	27.2%	85.88	28.91	0.1341821	87.81	17.35	R, CULVERT A, POND A	
J-B3	250	444	586	842	PR-B3	2,230,518	84	98	638,800	440,236	48.4%	51.21	14.18	0.0800088	90.77	8.51		
J-B2	422	743	977	1,400	PR-B2	3,265,926	84	98	948,000	579,975	46.8%	74.98	15.71	0.1171490	90.55	9.43	R, J-B4, J-B3	
POND B	441	787	1,040	1,495	PR-B1	703,986	84	98	143,200	50,586	28.8%	16.16	15.55	0.0252520	88.03	9.33	R, J-B2	
POND C	663	1,260	1,718	2,520	PR-C1	919,957	84	98	6,000			21.12	21.45	0.0239889	84.09	12.87	R, J-B3, J-B2	
POND D	59	99	129	182	PR-D	1,061,230	84	98	432,600	217,675	60.3%	24.82	21.74	0.0387538	92.42	13.05	R, J-B2, POND B	
PR-1A	4	8	11	16	PR-1A	92,814	84	98	0	0	0.0%	2.15	18.79	0.0033399	84.00	11.77		
PR-1B	4	8	10	15	PR-1B	96,825	84	98	0	0	0.0%	2.22	22.72	0.0034731	84.00	13.63		
PR-1C	4	8	10	15	PR-1C	91,367	84	98	0	0	0.0%	2.10	19.46	0.0032773	84.00	11.67		
PR-1D	22	42	57	84	PR-1D	611,279	84	98	0	0	0.0%	14.03	31.34	0.0219266	84.00	18.80		
POI 1	808	1,551	2,125	3,132	PR-1	2,284,709	84	98	0	116,310	5.1%	52.45	27.10	0.0819527	84.71	16.26		
					PR-D1	2,441,711	84	98	0	0	0.0%	56.05	40.35	0.0875943	84.00	24.21	R, PR-1A, POI 1	
B	19	36	51	78	PR-2B	513,427	84	98	155,200	109,880	51.6%	11.79	12.72	0.0184167	91.23	7.63	R, PR-1B, POI 1	
D	7	12	17	24	PR-2D	260,321	84	98	81,200	45,751	48.8%	5.98	11.23	0.0093377	90.83	6.74	R, PR-1C, POI 1	
E	6	12	16	25	PR-2E	584,312	84	98	170,000	111,092	48.1%	13.41	12.75	0.0209593	90.73	7.65	R, PR-1D, POI 1	
J-2	18	32	44	63	OS-2A	256,227	84	98	65,000	375	25.7%	5.88	18.88	0.0091959	87.66	11.33	R, POND C, POI 1	
POI 2	700	1,332	1,802	2,655	PR-2	19,763,777	84	98	29,400	4,795	0.2%	453.71	35.86	0.7089280	84.02	21.52	R, D-2	
POI 3	52	99	133	195	PR-3	1,195,355	84	98	58,800		4.9%	27.44	20.56	0.0428775	84.69	12.34	R, B, POI 2	
POI 4	93	166	220	332	PR-4	2,112,743	84	98	578,400	281,615	40.7%	84.50	12.77	0.0757842	89.70	7.66	R, J-2, POI 2	

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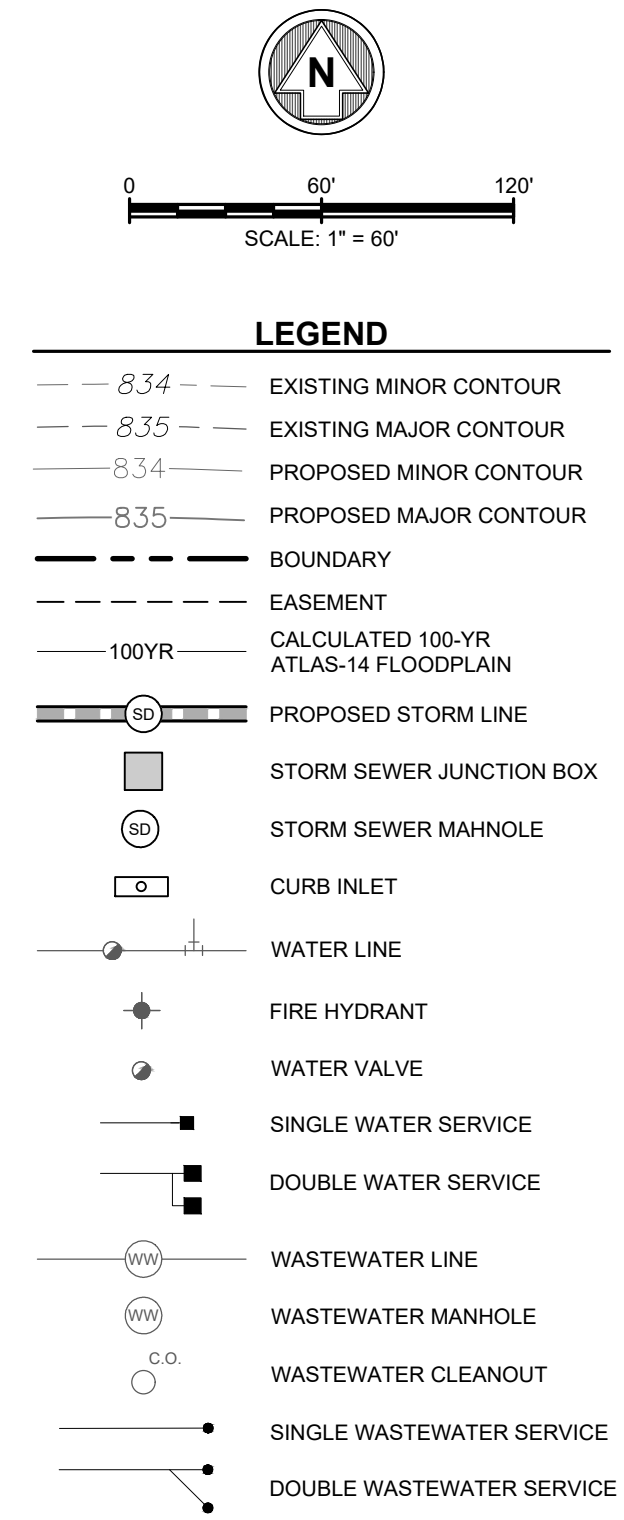
Drawn: Shantell Feller, Location: P:\Main\Arenas\MAG1701\_ButlerFarm\DESIGN\103\_ACO\CH\CH\Drawn\Drawn.dwg, Date: 09/06/2024, File Path: P:\Main\Arenas\MAG1701\_ButlerFarm\DESIGN\103\_ACO\CH\CH\Drawn\Drawn.dwg, Last Saved By: ccampbell, Sep 05, 2024, I Printed By: mvalenzuela, September 25, 2024, ALL PROJECT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, PLANS AND SPECIFICATIONS FURNISHED BY MR. GREEN DEVELOPMENT TX, LLC, UNDER THIS PROJECT ARE INTENDED FOR USE ON THIS PROJECT ONLY. ANY REUSE, WITHOUT SPECIFIC WRITTEN VERIFICATION OR ADOPTION BY MR. GREEN DEVELOPMENT TX, LLC, SHALL BE AT THE CLIENT'S SOLE RISK, AND CLIENT SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS COMPANY FROM ALL CLAIMS, DAMAGES AND EXPENSES INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.

BUTLER FARMS PHASE 13 INFRASTRUCTURE															BUTLER FARMS PHASE 13 INFRASTRUCTURE																	
RATIONAL METHOD FLOW CALCULATIONS FOR STORM INLETS															TIME OF CONCENTRATION CALCULATIONS																	
BASIN	INLET	INLET	AREA	AREA	IMPERVIOUS (LOTS)	IMPERVIOUS (OTHER)	IMPERVIOUS	PERVIOUS	TC	2-YR			10-YR			25-YR			100-YR			Contributing Area	Sheet Flow				Shallow Concentrated Flow (Unpaved)			Gutter Flow		
LABEL	LABEL	TYPE*	(SQ.FT)	(AC)	(SF)	(SF)	%	%	(MIN)	C	I	Q	C	I	Q	C	I	Q	C	I	Q		Length (ft)	Slope (ft/ft)	Roughness Coefficient	T <sub>sheet</sub>	Length (ft)	Slope (ft/ft)	T <sub>unpaved</sub>	Length (ft)	Velocity (ft/s)	T <sub>paved</sub>
1	I-07	CSAG	33,541	0.77	5600		6636%	34%	7	0.61	5.52	2.57	0.66	8.22	4.15	0.72	10.00	5.56	0.80	12.99	8.05	1	40	0.02	0.24	6.61	107	0.02	0.78	62	6	0.02
2	I-01	CGRD	27,619	0.63	11200		49%	51%	8	0.54	5.29	1.80	0.59	7.88	2.93	0.65	9.60	3.93	0.72	12.49	5.74	2	40	0.02	0.24	6.61	223	0.02	1.63	80	6	0.03
3	I-03	CGRD	35,398	0.81	10200		58%	42%	8	0.57	5.29	2.47	0.62	7.88	3.99	0.69	9.60	5.36	0.77	12.49	7.80	3	40	0.02	0.24	6.61	223	0.02	1.63	40	6	0.01
4	I-02	CGRD	13,810	0.32	0		78%	22%	5	0.66	6.12	1.27	0.71	9.08	2.03	0.78	11.10	2.74	0.86	14.30	3.91	4				0.00			0.00		0.00	
5	I-04	CGRD	25,130	0.58	5600		44%	56%	7	0.52	5.52	1.64	0.57	8.22	2.68	0.62	10.00	3.60	0.70	12.99	5.27	5	40	0.02	0.24	6.61	64	0.02	0.47	121	6	0.34
6	I-05	CGRD	33,778	0.78	14800		51%	49%	9	0.54	5.07	2.14	0.59	7.56	3.48	0.65	9.21	4.67	0.73	11.99	6.83	6	40	0.02	0.24	6.61	240	0.02	1.75	81	6	0.23
7	I-06	CGRD	31,955	0.73	14800		54%	46%	9	0.55	5.07	2.06	0.60	7.56	3.35	0.67	9.21	4.50	0.75	11.99	6.57	7	40	0.02	0.24	6.61	243	0.02	1.77	80	6	0.22
8	I-08	CGRD	38,191	0.88	18000		53%	47%	9	0.55	5.07	2.46	0.60	7.56	4.00	0.67	9.21	5.37	0.75	11.99	7.84	8	40	0.02	0.24	6.61	264	0.02	1.93	80	6	0.22
9	I-09	CGRD	41,762	0.96	18000		50%	50%	9	0.54	5.07	2.63	0.59	7.56	4.28	0.65	9.21	5.74	0.73	11.99	8.40	9	40	0.02	0.24	6.61	294	0.02	2.15	80	6	0.22
10	I-10	CGRD	34,153	0.78	12400		43%	57%	9	0.51	5.07	2.03	0.56	7.56	3.33	0.62	9.21	4.47	0.70	11.99	6.56	10	40	0.02	0.24	6.61	338	0.02	2.47		6	0.00
11	I-11	CGRD	13,886	0.32	0		80%	20%	5	0.67	6.12	1.30	0.72	9.08	2.08	0.79	11.10	2.79	0.88	14.30	3.99	11				0.00			0.00		0.00	
12	I-12	CGRD	28,784	0.66	11600		54%	46%	8	0.56	5.29	1.94	0.61	7.88	3.15	0.67	9.60	4.23	0.75	12.49	6.17	12	40	0.02	0.24	6.61	110	0.02	0.80	159	6	0.44
13	I-13	CGRD	24,342	0.56	11200		59%	41%	8	0.58	5.29	1.71	0.63	7.88	2.76	0.69	9.60	3.71	0.77	12.49	5.39	13	40	0.02	0.24	6.61	104	0.02	0.76	120	6	0.33
14	I-14	CGRD	32,929	0.76	14000		60%	40%	8	0.58	5.29	2.33	0.63	7.88	3.77	0.70	9.60	5.05	0.78	12.49	7.35	14	40	0.02	0.24	6.61	102	0.02	0.75	118	6	0.33
15	I-19	CGRD	8,813	0.20	0		78%	22%	5	0.66	6.12	0.81	0.71	9.08	1.30	0.78	11.10	1.75	0.86	14.30	2.50	15				0.00			0.00		0.00	
16	I-20	CGRD	25,588	0.59	11800		65%	35%	8	0.60	5.29	1.87	0.65	7.88	3.02	0.72	9.60	4.05	0.80	12.49	5.88	16	40	0.02	0.24	6.61	109	0.02	0.80	38	6	0.11
17	I-17	CGRD	22,633	0.52	9200		50%	50%	8	0.54	5.29	1.48	0.59	7.88	2.41	0.65	9.60	3.24	0.73	12.49	4.73	17	40	0.02	0.24	6.61	161	0.02	1.18	38	6	0.11
18	I-16	CGRD	22,655	0.52	11000		63%	37%	8	0.60	5.29	1.64	0.65	7.88	2.65	0.71	9.60	3.55	0.79	12.49	5.16	18	40	0.02	0.24	6.61	164	0.02	1.20	83	6	0.23
19	I-15	CGRD	26,353	0.60	12800		62%	38%	8	0.59	5.29	1.89	0.64	7.88	3.05	0.71	9.60	4.10	0.79	12.49	5.95	19	40	0.02	0.24	6.61	97	0.02	0.71	132	6	0.37
20	I-18	CGRD	26,170	0.60	12800		62%	38%	8	0.59	5.29	1.88	0.64	7.88	3.03	0.71	9.60	4.07	0.79	12.49	5.91	20	40	0.02	0.24	6.61	103	0.02	0.75	128	6	0.36

Curb Inlets On Grade Calculation Summary: 25 year																										
Drainage Area No.	Inlet No.	Q <sub>25</sub> (cfs)	Q <sub>pass</sub> (cfs)	Q <sub>total</sub> (cfs)	Slope (%)	n	Ku	Street Width (ft)	Crown Height (ft)	Inlet Depression, a (ft)	K0	K1	K2	y0 (ft)	a	b	Flow Spread, T (ft)	H1 (ft)	H2 (ft)	Qa/La (cfs/ft)	Length (ft)	Qa	Q <sub>pass</sub> (cfs)	% Captured	Bypass to Inlet	Flow Captured by Inlet (cfs)
2	I-01	3.93	0.00	3.93	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.36	0.0667	0.0022	7.07	0.78	0.42	0.82	10.00	8.16		100%		3.93
3	I-03	5.36	0.00	5.36	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.39	0.0667	0.0022	8.12	0.81	0.42	0.85	10.00	8.53		100%	I-01	5.36
4	I-02	2.74	0.00	2.74	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.32	0.0667	0.0022	5.91	0.73	0.42	0.77	10.00	7.70		100%		2.74
5	I-04	3.60	0.00	3.60	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.35	0.0667	0.0022	6.68	0.76	0.42	0.80	10.00	8.01		100%	I-03	3.60
6	I-05	4.67	0.00	4.67	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.56	0.82	0.42	0.87	10.00	8.67		100%	I-03	4.67
7	I-06	4.50	0.00	4.50	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.40	0.0667	0.0022	8.39	0.82	0.42	0.86	10.00	8.62		100%	I-05	4.50
8	I-08	5.37	0.00	5.37	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.43	0.0667	0.0022	9.27	0.84	0.42	0.89	10.00	8.88		100%	I-06	5.37
9	I-09	5.74	0.00	5.74	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.44	0.0667	0.0022	9.65	0.85	0.42	0.90	10.00	8.98		100%	I-08	5.74
10	I-10	4.47	0.00	4.47	1.10%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.40	0.0667	0.0022	8.14	0.81	0.42	0.85	10.00	8.54		100%	I-09	4.47
11	I-11	2.79	0.00	2.79	1.10%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.34	0.0667	0.0022	6.48	0.76	0.42	0.79	10.00	7.93		100%	I-10	2.79
12	I-12	4.23	0.00	4.23	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.39	0.0667	0.0022	8.11	0.81	0.42	0.85	10.00	8.53		100%	I-07	4.23
13	I-13	3.71	0.00	3.71	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.38	0.0667	0.0022	7.58	0.79	0.42	0.83	10.00	8.35		100%	I-12	3.71
14	I-14	5.05	0.00	5.05	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.42	0.0667	0.0022	8.94	0.84	0.42	0.88	10.00	8.79		100%	I-13	5.05
15	I-19	1.75	0.00	1.75	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.28	0.0667	0.0022	4.95	0.69	0.42	0.73	10.00	7.28		100%		1.75
16	I-20	4.05	0.00	4.05	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.36	0.0667	0.0022	7.17	0.78	0.42	0.82	10.00	8.20		100%	I-18	4.05
17	I-17	3.24	0.00	3.24	0.70%	0.020	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.38	0.0667	0.0022	7.75	0.80	0.42	0.84	10.00	8.40		100%	I-16	3.24
18	I-16	3.55	0.00	3.55	0.70%	0.020	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.40	0.0667	0.0022	8.13	0.81	0.42	0.85	10.00	8.53		100%	I-15	3.55
19	I-15	4.10	0.00	4.10	0.70%	0.020	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.78	0.83	0.42	0.87	10.00	8.74		100%		4.10
20	I-18	4.07	0.00	4.07	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.36	0.0667	0.0022	7.19	0.78	0.42	0.82	10.00	8.20		100%		4.07

Curb Inlets On Grade Calculation Summary: 100 year																											
Drainage Area No.	Inlet No.	Q <sub>100</sub> (cfs)	Q <sub>pass</sub> (cfs)	Q <sub>total</sub> (cfs)	Slope (%)	n	Ku	Street Width (ft)	Crown Height (ft)	Inlet Depression, a (ft)	K0	K1	K2	y0 (ft)	a	b	Flow Spread, T (ft)	H1 (ft)	H2 (ft)	Qa/La (cfs/ft)	Length (ft)	Qa	Q <sub>pass</sub> (cfs)	% Captured	Bypass to Inlet	Flow Captured by Inlet (cfs)	
2	I-01	5.74	0.00	5.74	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.57	0.82	0.42	0.87	10.00	8.68		100%		5.74	
3	I-03	7.80	0.00	7.80	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.45	0.0667	0.0022	10.11	0.86	0.42	0.91	10.00	9.10		100%	I-01	7.80	
4	I-02	3.91	0.00	3.91	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.36	0.0667	0.0022	6.95	0.77	0.42	0.81	10.00	8.11		100%		3.91	
5	I-04	5.27	0.00	5.27	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.39	0.0667	0.0022	8.04	0.81	0.42	0.85	10.00	8.51		100%	I-03	5.27	
6	I-05	6.83	0.00	6.83	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.46	0.0667	0.0022	10.87	0.88	0.42	0.93	10.00	9.27		100%	I-03	6.83	
7	I-06	6.57	0.00	6.57	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.46	0.0667	0.0022	10.57	0.87	0.42	0.92	10.00	9.20		100%	I-05	6.57	
8	I-08	7.84	0.00	7.84	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.48	0.0667	0.0022	12.29	0.90	0.42	0.95	10.00	9.51		100%	I-06	7.84	
9	I-09	8.40	0.00	8.40	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.49	0.0667	0.0022	13.47	0.91	0.42	0.96	10.00	9.64		100%	I-08	8.40	
10	I-10	6.56	0.00	6.56	1.10%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.45	0.0667	0.0022	10.20	0.87	0.42	0.91	10.00	9.12		100%	I-09	6.56	
11	I-11	3.99	0.00	3.99	1.10%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.38	0.0667	0.0022	7.68	0.80	0.42	0.84	10.00	8.38		100%	I-10	3.99	
12	I-12	6.17	0.00	6.17	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.45	0.0667	0.0022	10.11	0.86	0.42	0.91	10.00	9.10		100%	I-07	6.17	
13	I-13	5.39	0.00	5.39	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.43	0.0667	0.0022	9.29	0.84	0.42	0.89	10.00	8.89		100%	I-12	5.39	
14	I-14	7.35	0.00	7.35	1.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.47	0.0667	0.0022	11.54	0.89	0.42	0.94	10.00	9.40		100%	I-13	7.35	
15	I-19	2.50	0.00	2.50	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.31	0.0667	0.0022	5.76	0.73	0.42	0.76	10.00	7.64		100%		2.50	
16	I-20	5.88	0.00	5.88	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.69	0.83	0.42	0.87	10.00	8.71		100%	I-18	5.88	
17	I-17	4.73	0.00	4.73	0.70%	0.020	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.43	0.0667	0.0022	9.56	0.85	0.42	0.90	10.00	8.96		100%	I-16	4.73	
18	I-16	5.16	0.00	5.16	0.70%	0.020	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.45	0.0667	0.0022	10.11	0.86	0.42	0.91	10.00	9.10		100%	I-15	5.16	
19	I-15	5.95	0.00	5.95	0.70%	0.020	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.47	0.0667	0.0022	11.24	0.89	0.42	0.93	10.00	9.34		100%		5.95	
20	I-18	5.91	0.00	5.91	1.50%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.71	0.83	0.42	0.87	10.00	8.72		100%		5.91	





- NOTES:**
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  2. FILL SHALL BE PLACED ACCORDING TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND CITY OF LIBERTY HILL SPECIFICATIONS.
  3. BENDS, WYES, AND PIPE SIZE CHANGES IN THE STORM SEWER SHALL BE PREFABRICATED OR SHALL OCCUR AT MANHOLES / JUNCTION BOXES.

## OVERALL STORM SEWER PLAN

**BUTLER FARMS**  
PHASE 13

DESIGNED BY: MV / CC  
DRAWN BY: MV / TG  
CHECKED BY: CC / SN  
APPROVED BY: SN

SHEET **23** OF **49**

### ##-###CON



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TBPLS NO: 10194101

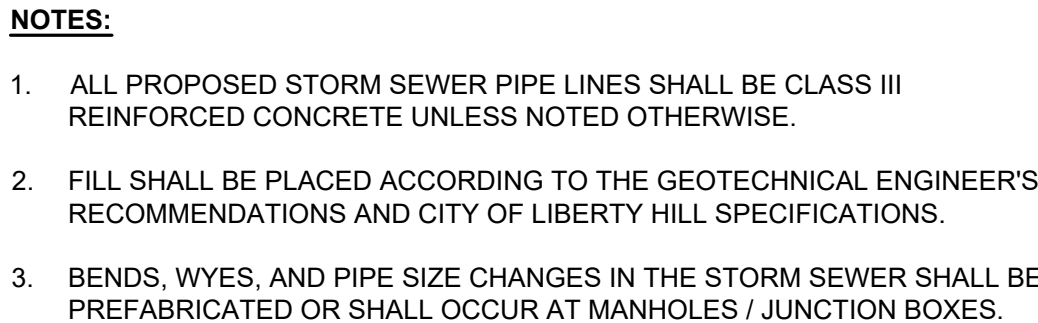
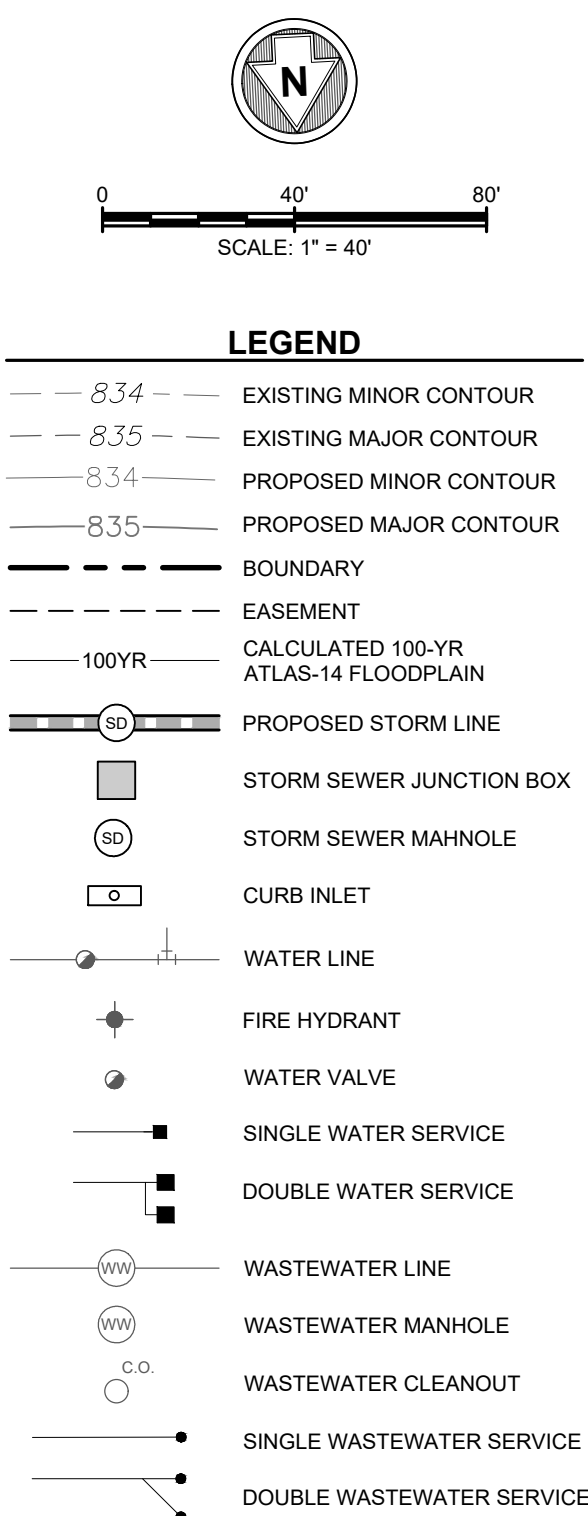


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STATE OF TEXAS  
CHRISTINE N. CAMPBELL  
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PROFESSIONAL ENGINEER

09/06/2024





Pipe Label	Slope (%)	Q25	V25	D25	Q100	V100	D100
		(cfs)	(ft/s)	(ft)	(cfs)	(ft/s)	(ft)
P-A01	1.50%	45.96	6.37	2.56	66.63	6.93	3.81
P-A02	2.03%	42.03	7.30	2.49	60.89	8.61	3.47
P-A03	1.80%	39.29	7.49	2.14	56.98	8.65	3.49
P-A04	1.80%	33.93	6.85	2.08	49.18	8.11	2.55
P-A05	1.11%	22.93	4.99	2.56	33.24	6.77	3.32
P-A06	1.11%	18.54	5.21	2.11	26.88	5.65	3.24
P-A07	1.11%	18.54	5.47	1.87	26.88	5.80	2.41



**STORM A1 PLAN & PROFILE**  
**STA 2+00 - END**  
**BUTLER FARMS**  
**PHASE 13**  
LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

DESIGNED BY: MV / CC  
DRAWN BY: MV / TG  
CHECKED BY: CC / SN  
APPROVED BY: SN

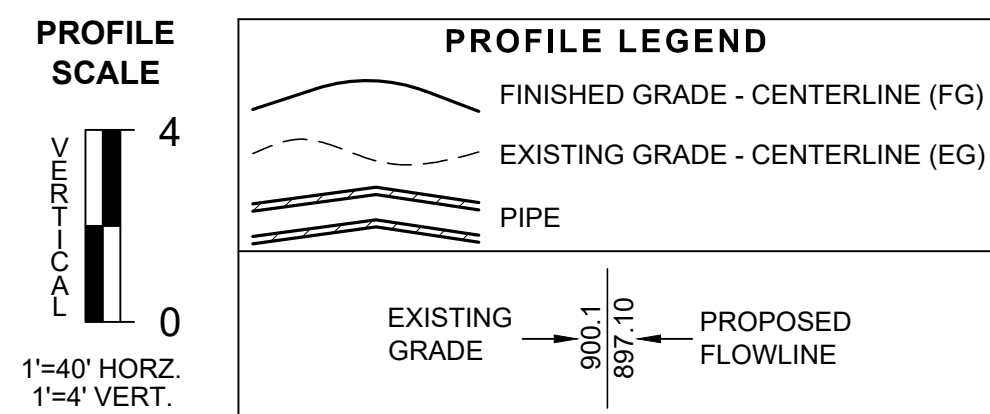
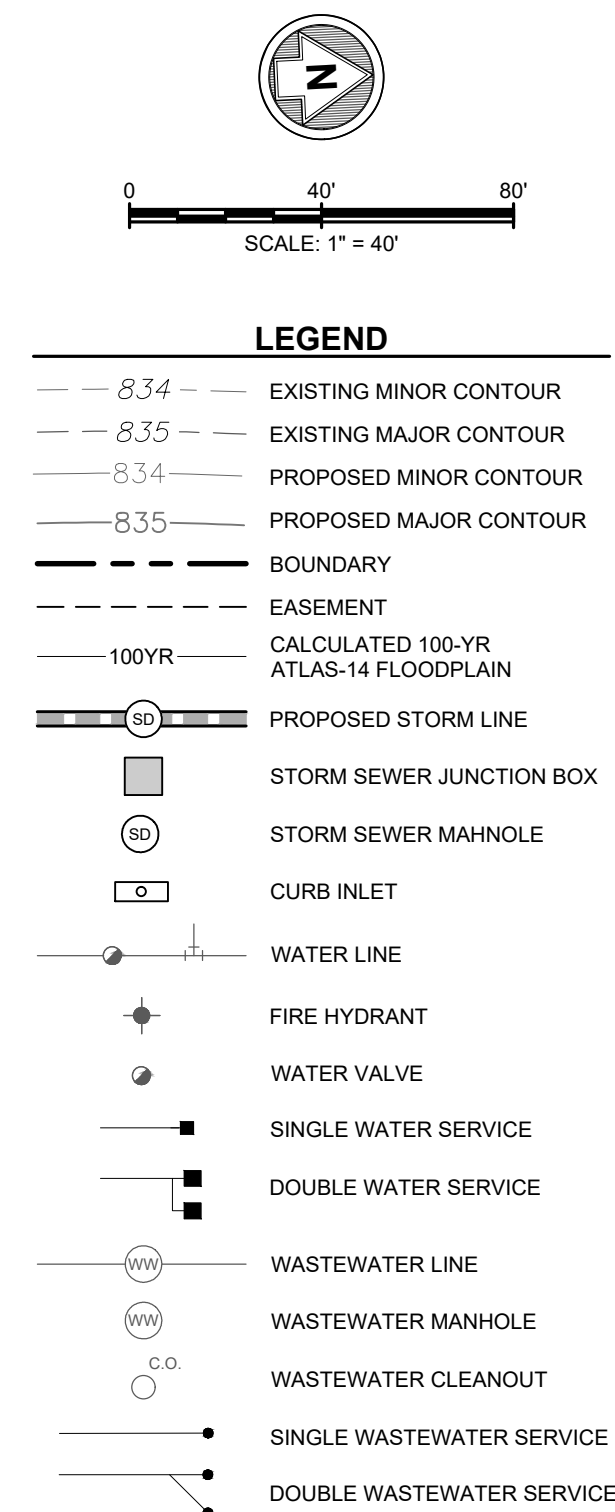
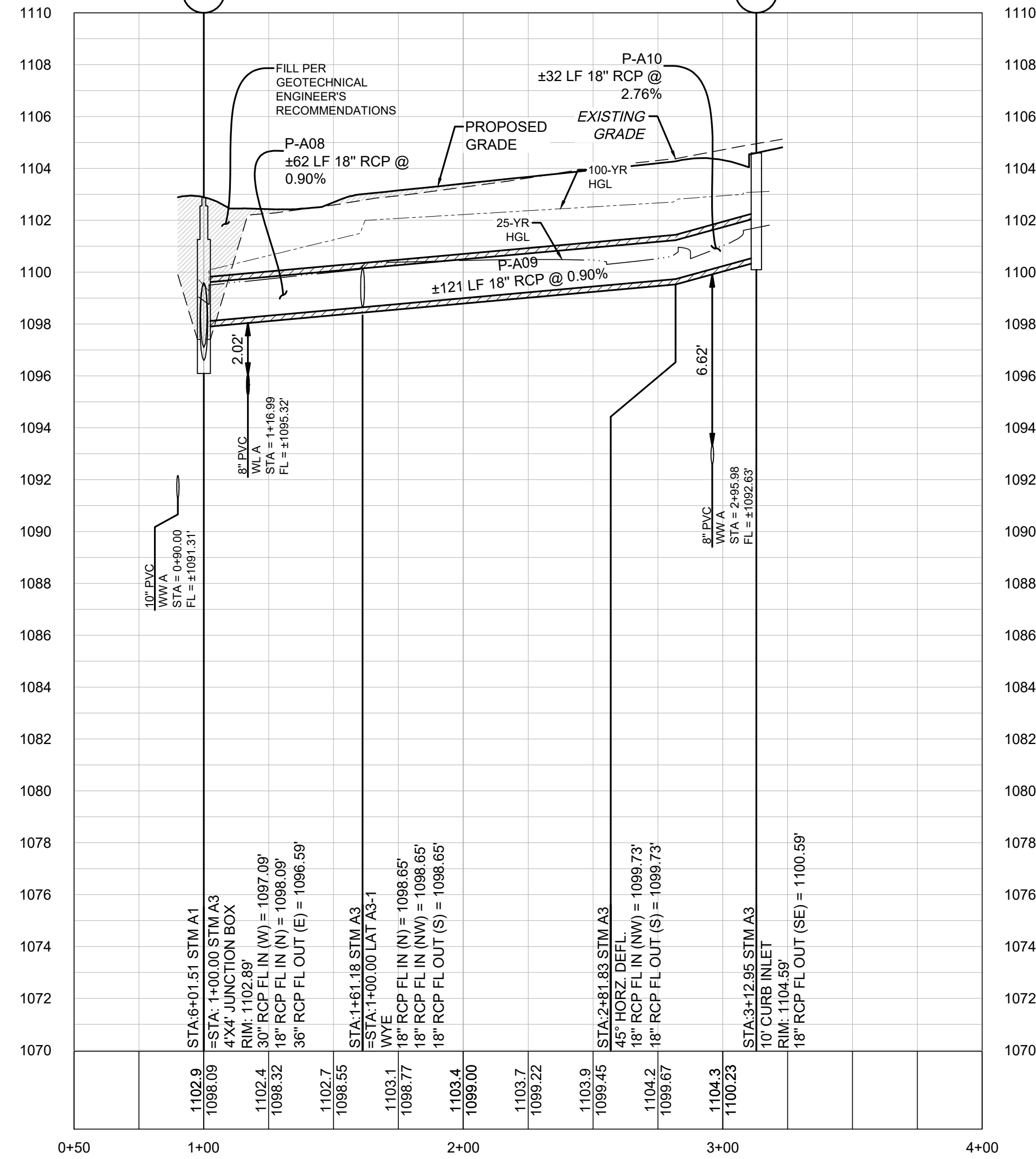
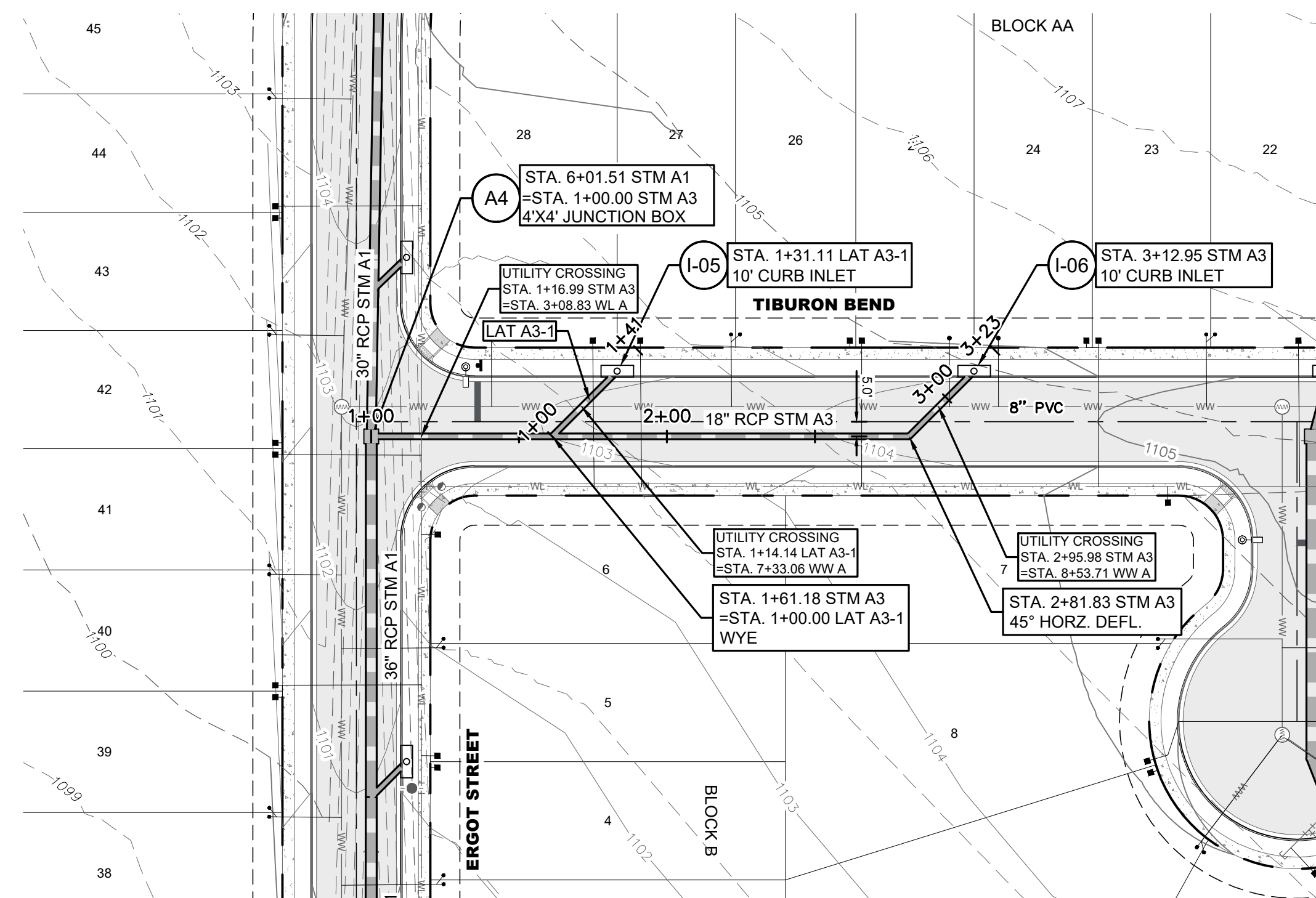
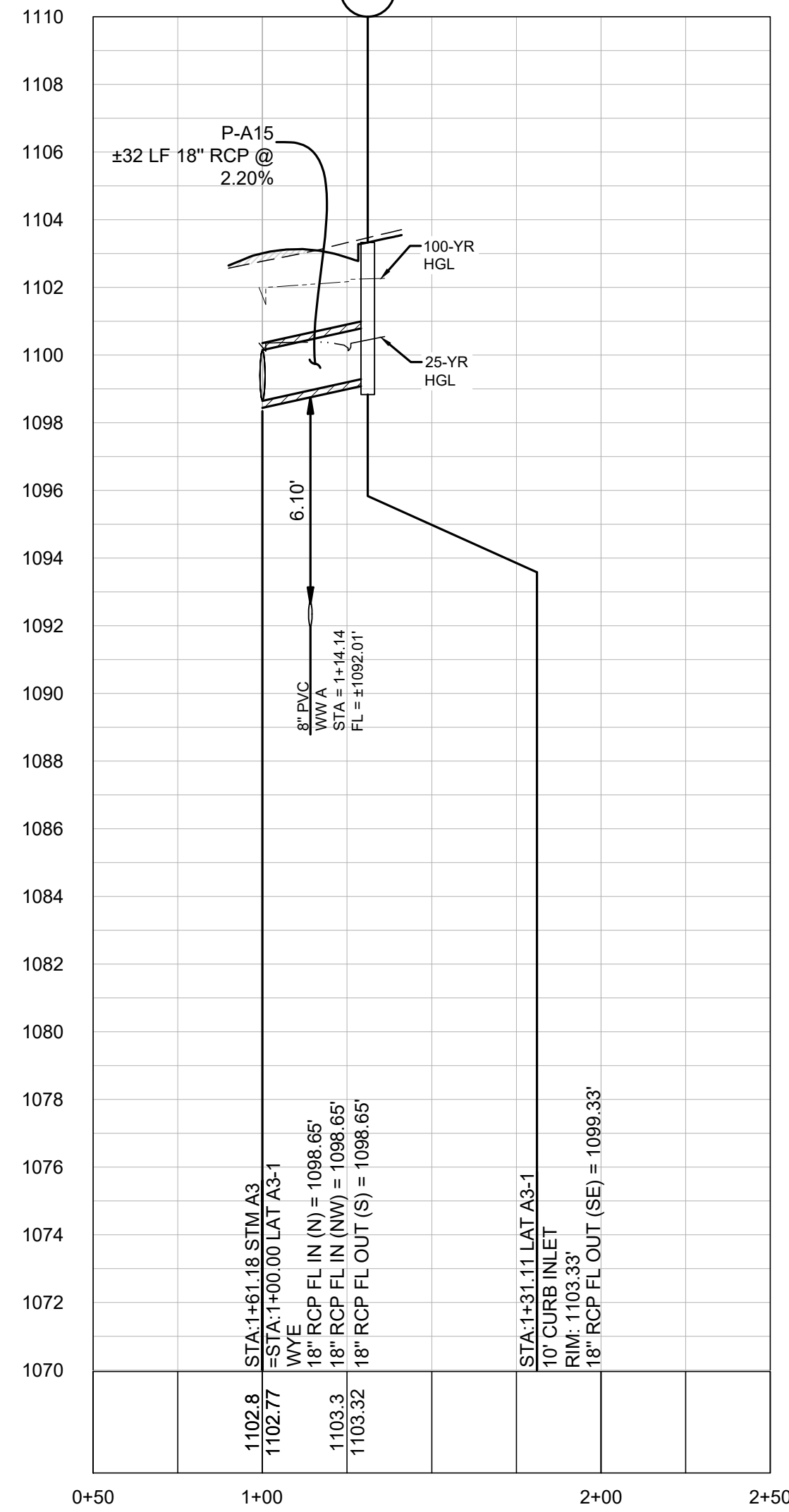
SHEET 24 OF 49  
##-###CON

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File Name: AWAG7001\_Bale\_GND\_Sec3.DDP STW A1.dwg | Last Saved By: mvelazquez | Modified: September 25, 2024  
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- NOTES:**
1. ALL PROPOSED STORM SEWER PIPE LINES SHALL BE CLASS III REINFORCED CONCRETE UNLESS NOTED OTHERWISE.
  2. FILL SHALL BE PLACED ACCORDING TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND CITY OF LIBERTY HILL SPECIFICATIONS.
  3. BENDS, WYES, AND PIPE SIZE CHANGES IN THE STORM SEWER SHALL BE PREFABRICATED OR SHALL OCCUR AT MANHOLES / JUNCTION BOXES.

Pipe Label	Slope (%)	Q25 (in/s)	V25 (ft/s)	D25 (ft)	Q100 (cfs)	V100 (ft/s)	D100 (ft)
P-A08	0.90%	11.00	6.33	1.46	15.94	9.02	2.85
P-A09	0.90%	5.54	4.04	1.70	8.03	4.54	3.35
P-A10	2.76%	5.54	4.26	1.23	8.03	4.54	3.09
P-A15	2.20%	5.46	4.01	1.70	7.91	4.48	3.35

**STORM A3, LAT A3-1**  
**PLAN & PROFILES**  
**BUTLER FARMS**  
**PHASE 13**  
LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

DESIGNED BY: MV / CC  
DRAWN BY: MV / TG  
CHECKED BY: CC / SN  
APPROVED BY: SN

SHEET **26** OF **49**  
##-###CON



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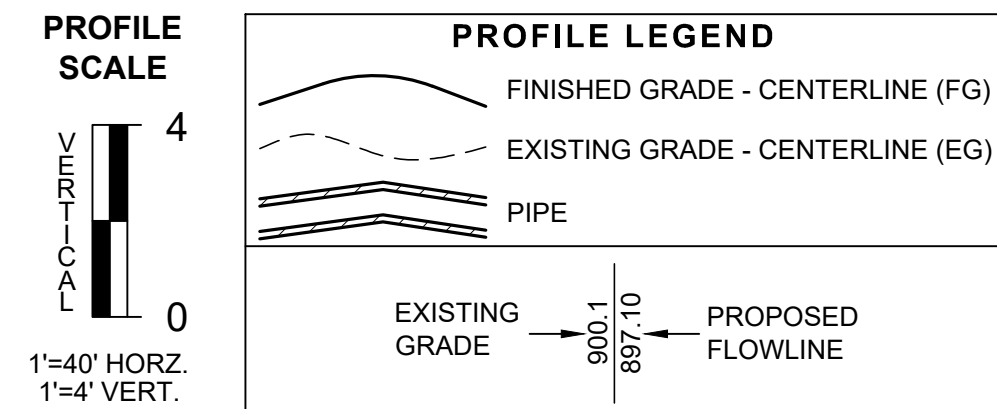
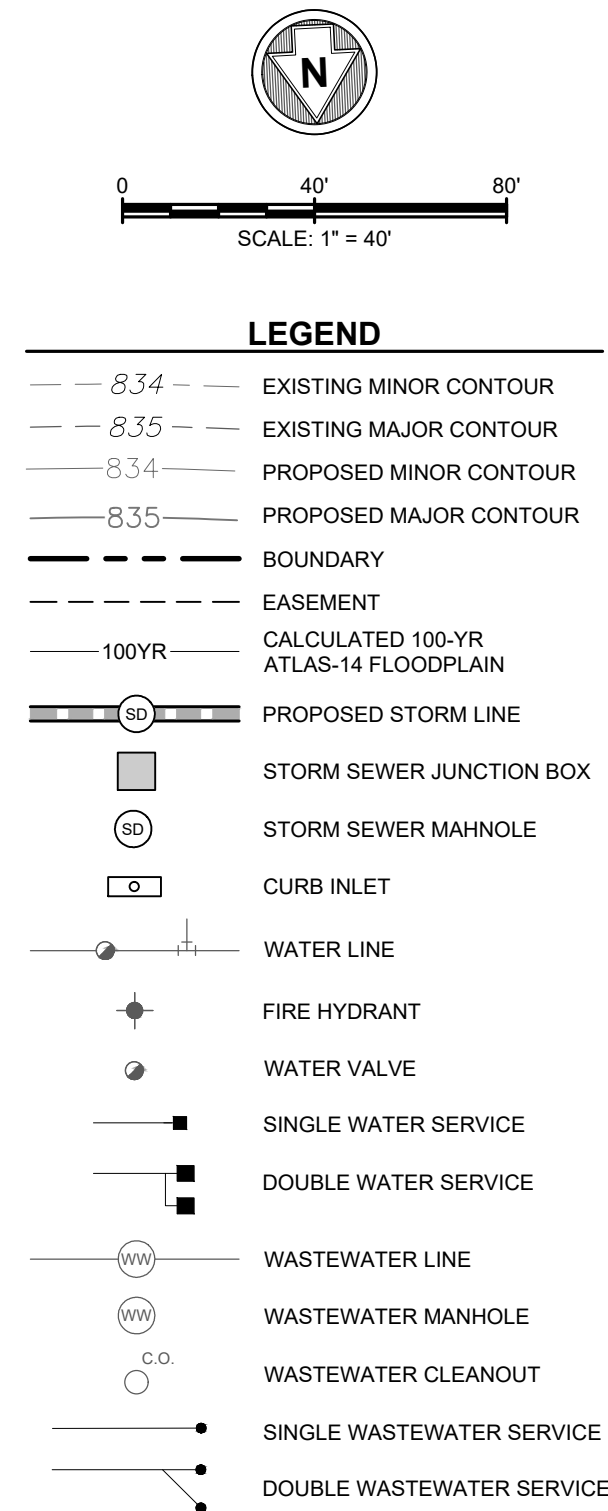
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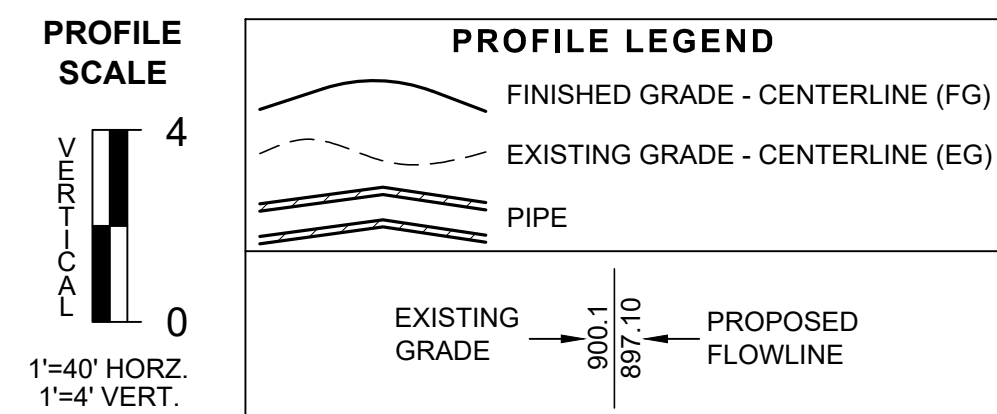
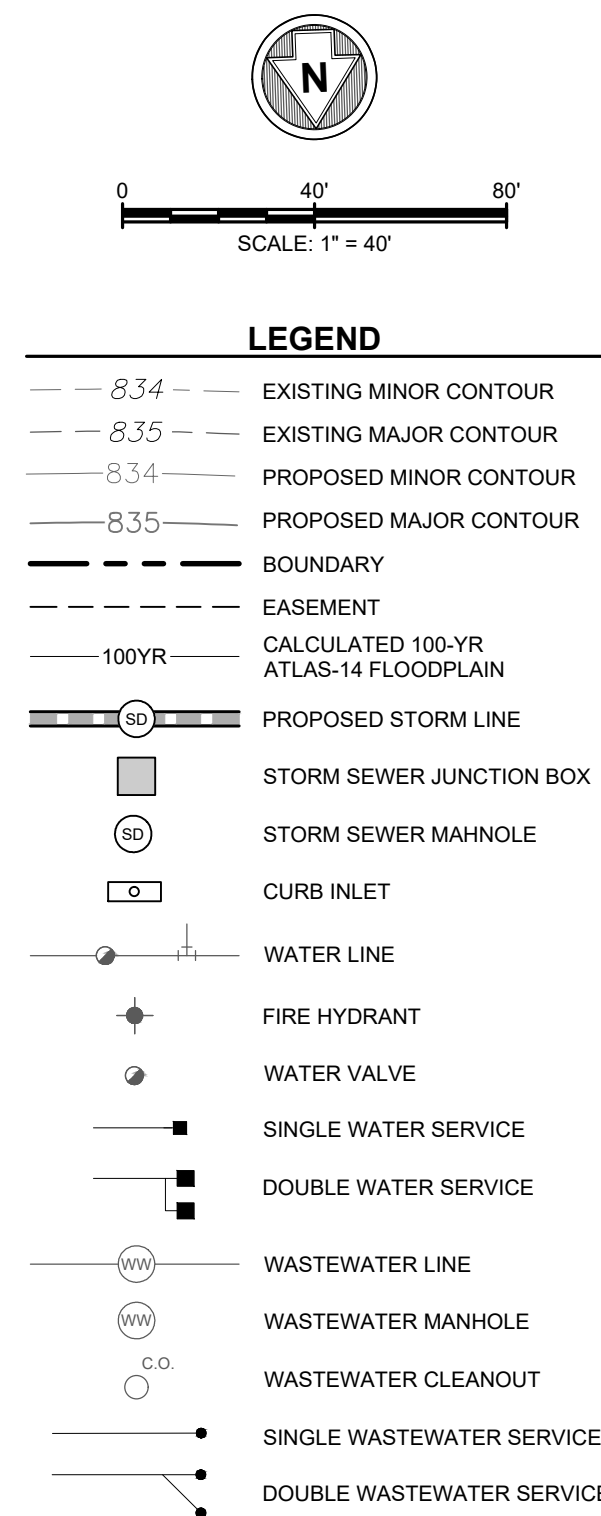




- NOTES:**
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  2. FILL SHALL BE PLACED ACCORDING TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND CITY OF LIBERTY HILL SPECIFICATIONS.
  3. BENDS, WYES, AND PIPE SIZE CHANGES IN THE STORM SEWER SHALL BE PREFABRICATED OR SHALL OCCUR AT MANHOLES / JUNCTION BOXES.

Pipe Label	Slope (%)	Q25 (cfs)	V25 (ft/s)	D25 (ft)	Q100 (cfs)	V100 (ft/s)	D100 (ft)
P-B01	0.50%	29.45	3.19	3.22	42.60	4.43	4.07
P-B02	0.83%	29.45	5.61	2.71	42.60	6.03	3.57
P-B03	0.80%	26.55	6.22	1.84	38.44	5.44	3.26
P-B04	0.80%	26.55	5.78	2.13	38.44	5.74	3.17
P-B05	1.00%	22.03	5.64	2.33	31.86	6.89	2.69

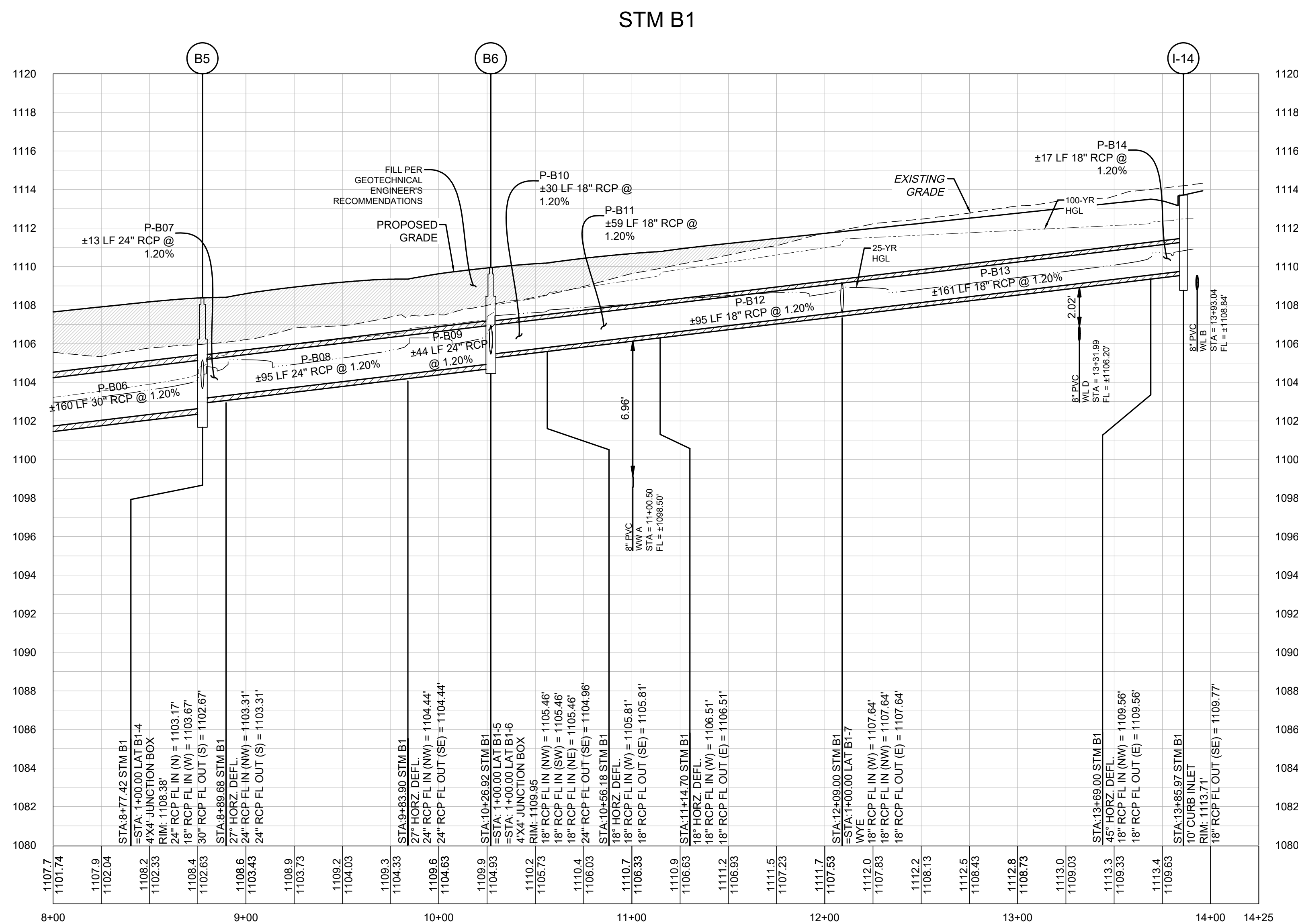




**NOTES:**

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3. BENDS, WYES, AND PIPE SIZE CHANGES IN THE STORM SEWER SHALL BE PREFABRICATED OR SHALL OCCUR AT MANHOLES / JUNCTION BOXES.

Pipe Label	Slope (%)	Q25 (cfs)	V25 (ft/s)	D25 (ft)	Q100 (cfs)	V100 (ft/s)	D100 (ft)
P-B06	1.20%	19.19	6.05	1.60	27.76	6.72	2.19
P-B07	1.20%	15.95	6.18	1.65	23.08	7.35	2.10
P-B08	1.20%	15.95	5.92	1.85	23.08	7.35	2.29
P-B09	1.20%	15.95	5.92	1.85	23.08	7.35	2.35
P-B10	1.20%	8.76	4.96	1.99	12.74	7.21	2.63
P-B11	1.20%	8.76	4.96	1.94	12.74	7.21	2.99
P-B12	1.20%	8.76	5.51	1.74	12.74	7.21	3.45
P-B13	1.20%	5.05	3.97	1.28	7.35	4.16	3.79
P-B14	1.20%	5.05	4.10	1.17	7.35	4.16	2.75



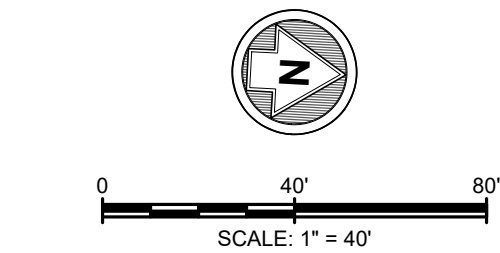

























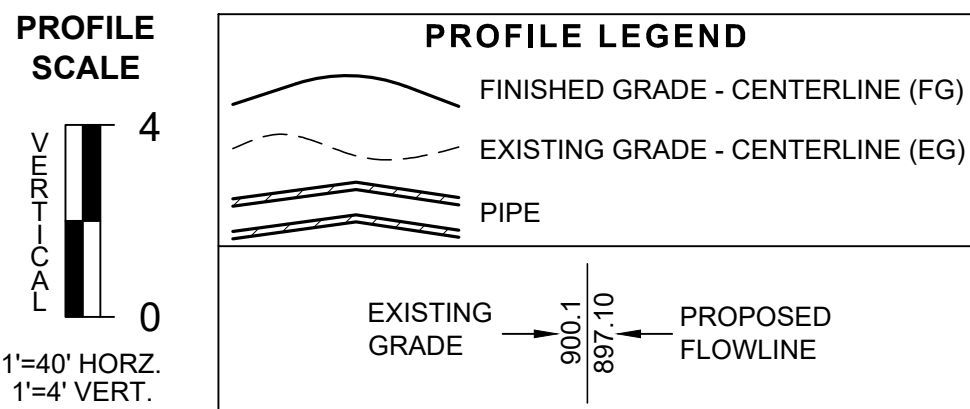








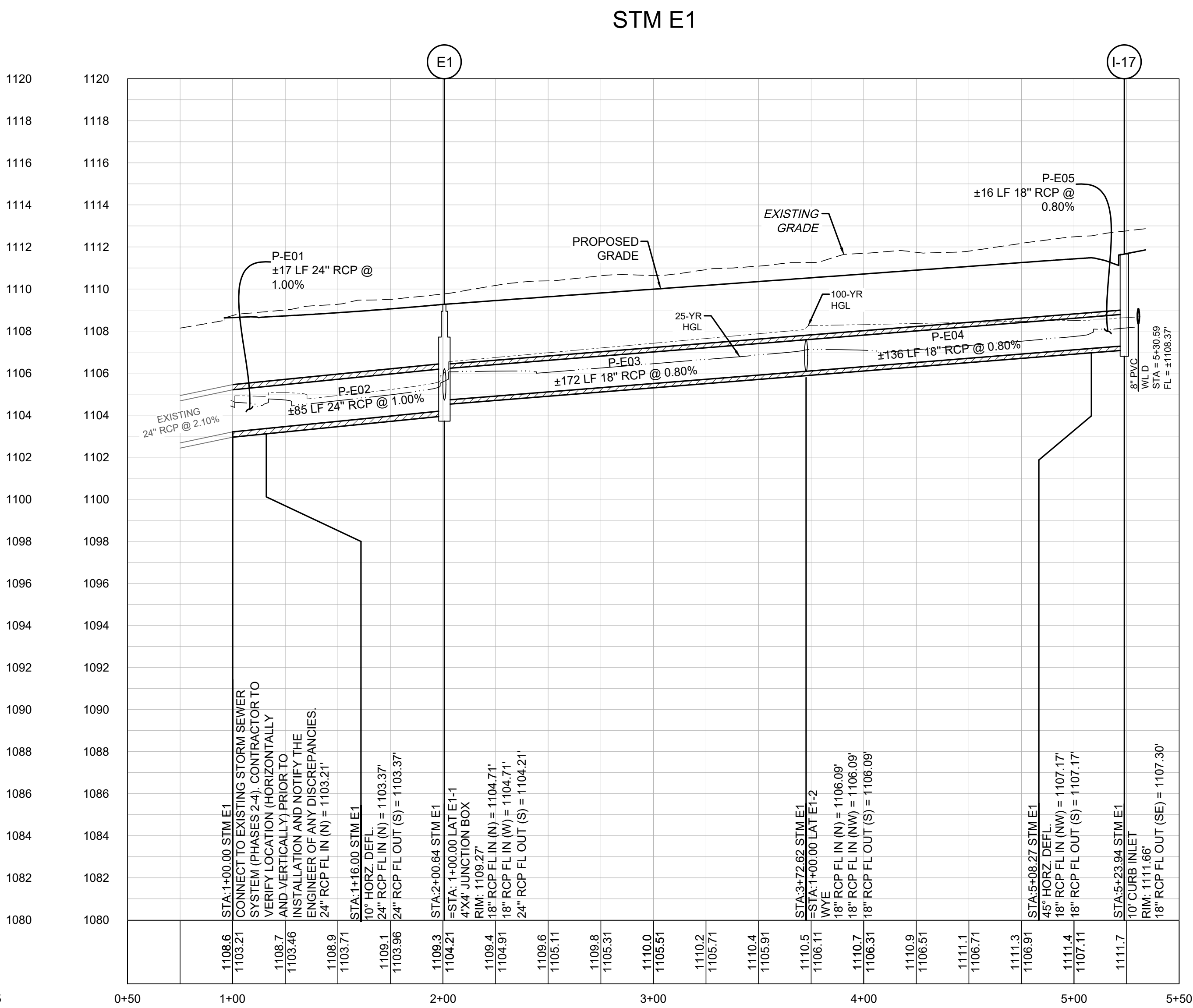
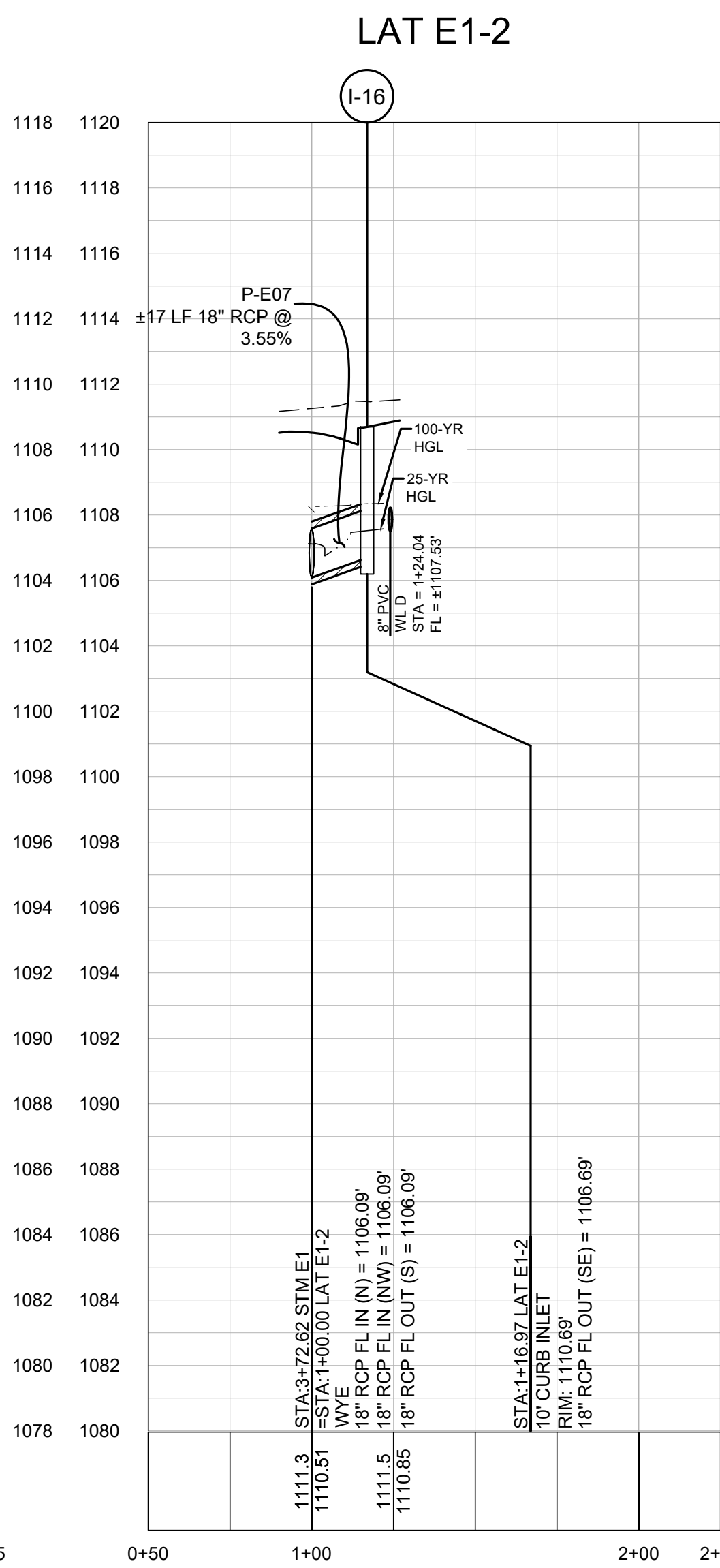
- ## LEGEND
- |   |                                       |
|---|---------------------------------------|
|  | EXISTING MINOR CONTOUR                |
|  | EXISTING MAJOR CONTOUR                |
|  | PROPOSED MINOR CONTOUR                |
|  | PROPOSED MAJOR CONTOUR                |
|  | BOUNDARY                              |
|  | EASEMENT                              |
|  | CALCULATED 100-YR ATLAS-14 FLOODPLAIN |
|  | PROPOSED STORM LINE                   |
|  | STORM SEWER JUNCTION BOX              |
|  | STORM SEWER MANHOLE                   |
|  | CURB INLET                            |
|  | WATER LINE                            |
|  | FIRE HYDRANT                          |
|  | WATER VALVE                           |
|  | SINGLE WATER SERVICE                  |
|  | DOUBLE WATER SERVICE                  |
|  | WASTEWATER LINE                       |
|  | WASTEWATER MANHOLE                    |
|  | WASTEWATER CLEANOUT                   |
|  | SINGLE WASTEWATER SERVICE             |
|  | DOUBLE WASTEWATER SERVICE             |



**NOTES:**

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3. BENDS, WYES, AND PIPE SIZE CHANGES IN THE STORM SEWER SHALL BE PREFABRICATED OR SHALL OCCUR AT MANHOLES / JUNCTION BOXES.

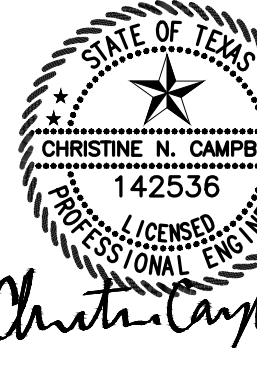
Pipe Label	Slope	Q25	V25	D25	Q100	V100	D100
	(%)	(cfs)	(ft/s)	(ft)	(cfs)	(ft/s)	(ft)
P-E01	1.00%	10.58	5.03	1.41	15.38	5.70	1.72
P-E02	1.00%	10.58	5.03	1.41	15.38	5.92	1.72
P-E03	0.80%	6.79	4.71	1.35	9.89	5.60	1.98
P-E04	0.80%	3.24	3.31	1.04	4.73	2.76	2.17
P-E05	0.80%	3.24	3.24	0.92	4.73	2.85	1.39
P-E06	5.38%	3.79	3.25	1.44	5.49	3.15	2.03
P-E07	3.55%	3.55	3.49	1.04	5.16	2.92	2.17



**811**  
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09/06/2024

**STORM E1, LAT E1-1 - E1-2**  
**PLAN & PROFILES**  
**BUTLER FARMS**  
PHASE 13

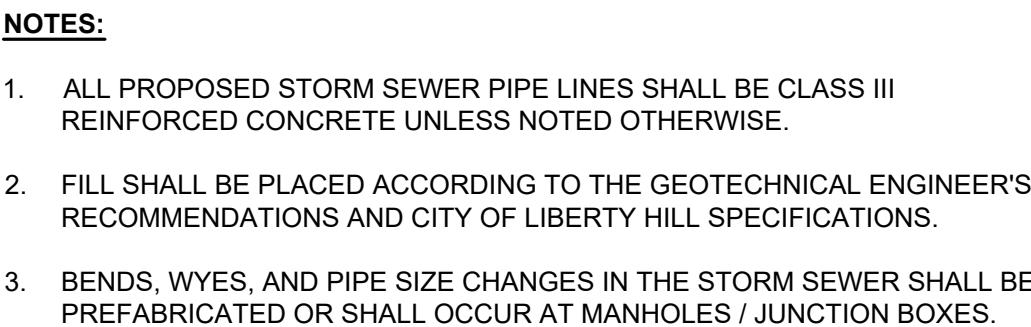
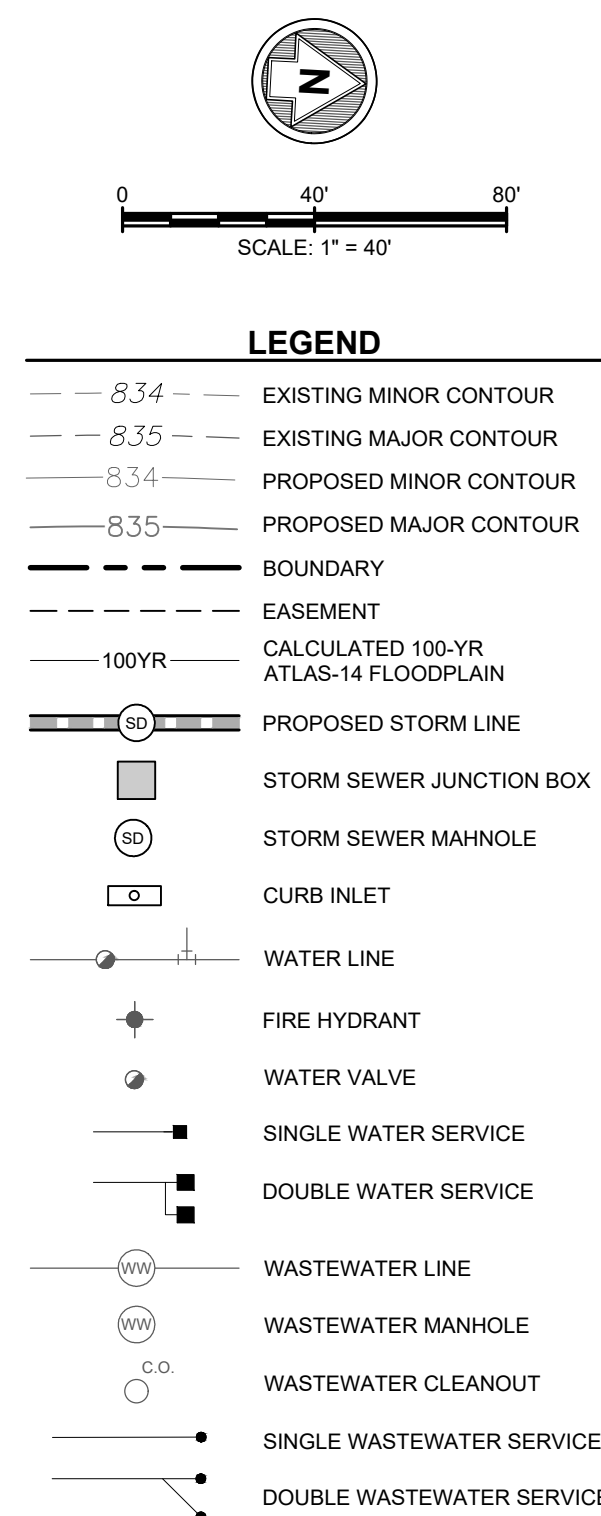
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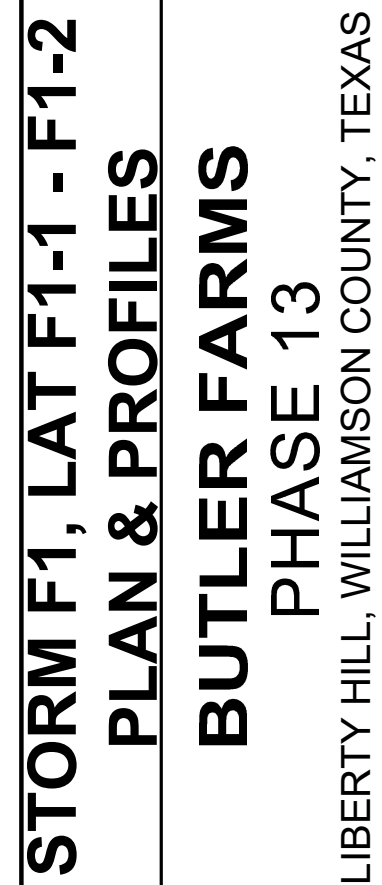
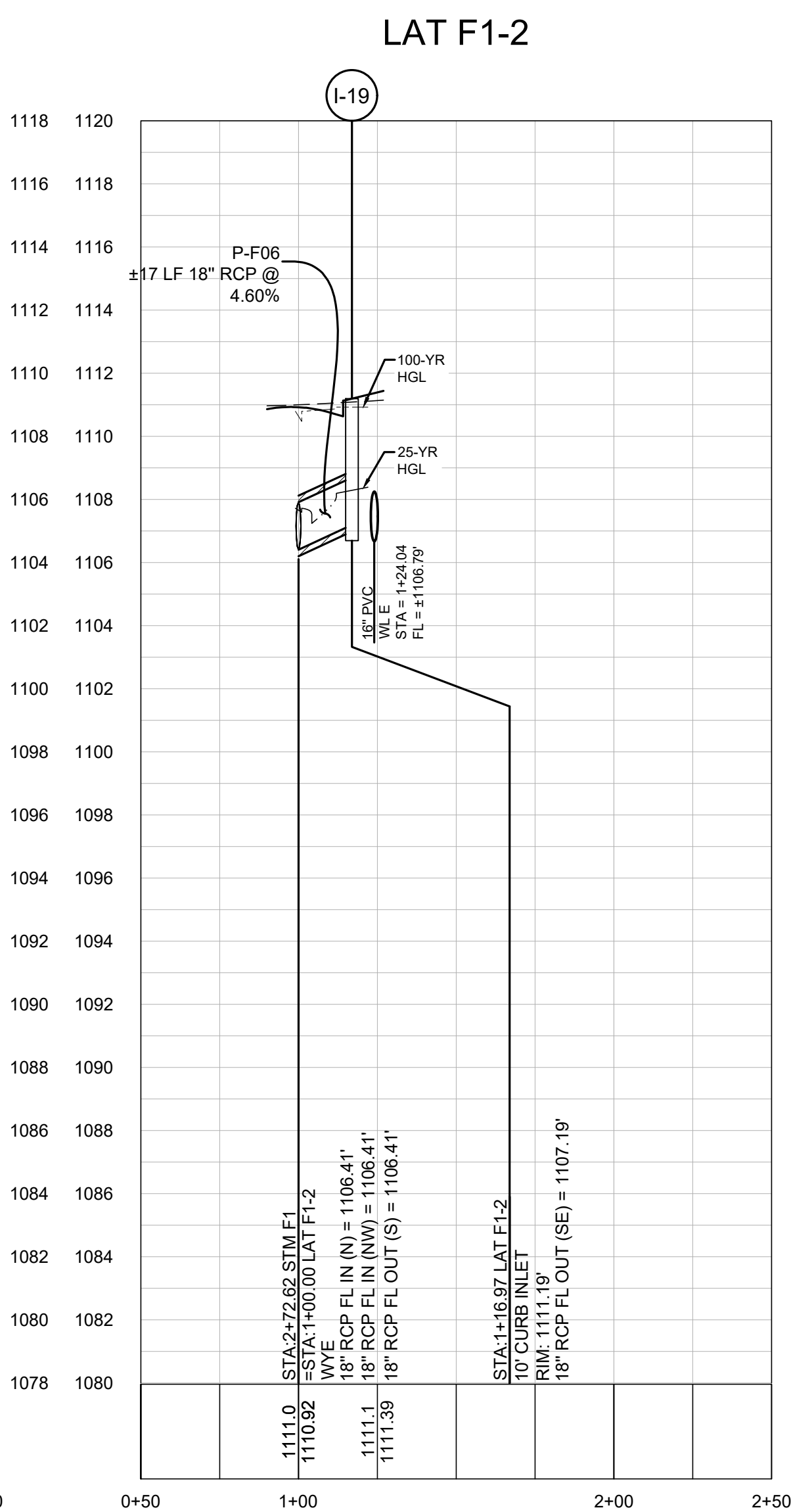
SHEET 31 OF 49

##-###CON





Pipe Label	Slope	Q25	V25	D25	Q100	V100	D100
	(%)	(cfs)	(ft/s)	(ft)	(cfs)	(ft/s)	(ft)
P-F01	1.20%	9.38	5.83	1.43	13.21	7.48	4.06
P-F02	1.20%	4.05	2.62	1.31	5.88	3.33	4.38
P-F03	1.20%	4.05	3.07	1.21	5.88	3.33	4.34
P-F04	1.20%	4.05	3.31	1.05	5.88	3.33	4.22
P-F05	3.86%	2.35	1.33	2.46	3.35	1.90	4.54
P-F06	4.60%	5.33	4.07	1.31	7.35	4.15	4.38



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DRAWN BY: MV / TG  
CHECKED BY: CC / SN  
APPROVED BY: SN

SHEET 32 OF 49

**##-###CON**



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TBPLS NO: 10194101



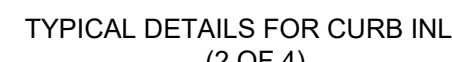
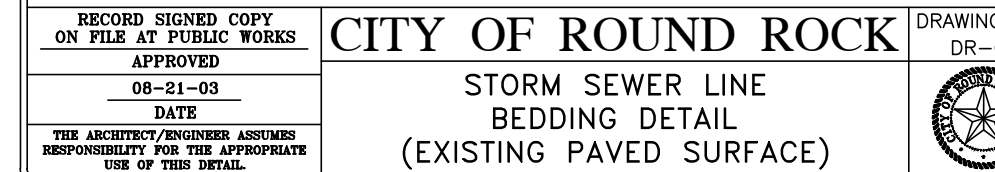
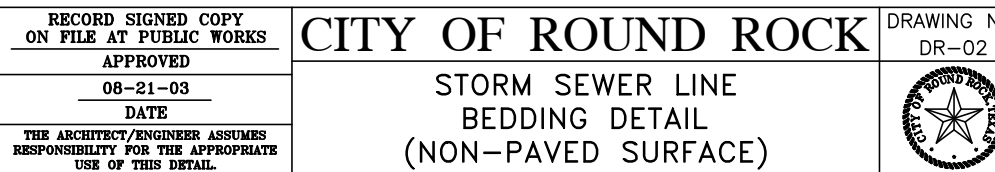
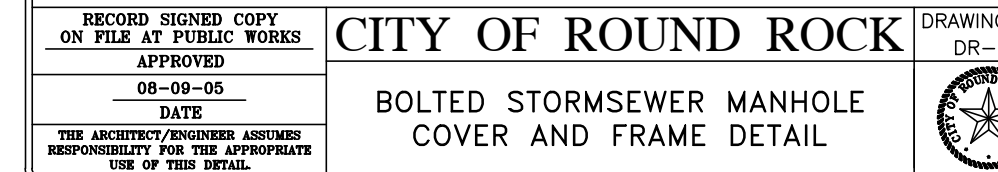
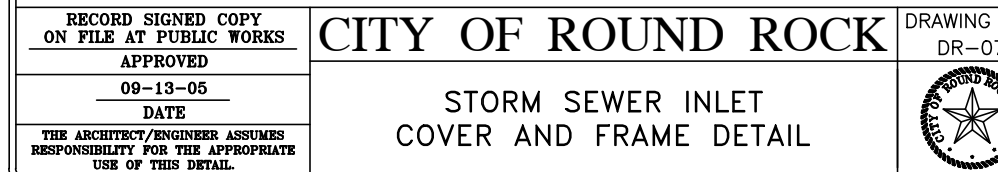
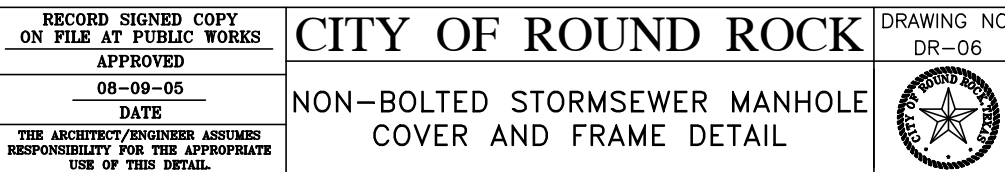
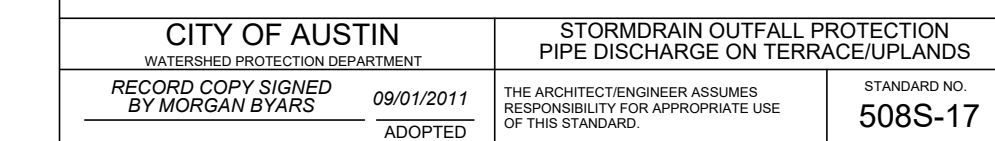
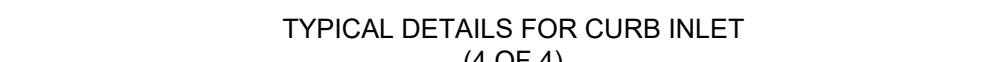
HRGreen®  
DEVELOPMENT

STATE OF TEXAS  
CHRISTINE N. CAMPBELL  
142536  
PROFESSIONAL ENGINEER

Christa Campbell  
09/06/2022

**PHASE 13**  
LIBERTY HILL, WILLIAMSON COUNTY TEXAS



TYPICAL DETAILS FOR CURB INLET  
(3 OF 4)

No more than 10% of the stone will have a diameter greater than thirty four (34) inches; no more than 50% of the stone will have a diameter less than twenty seven (27) inches; and no more than 10% of the stone will have a diameter of less than sixteen (16) inches. The thickness of the rip-rap liner will be no less than thirty four (34) inches.