



Contributing Zone Plan (CZP)

Butler Farms Phase 5

WILLIAMSON COUNTY, TEXAS

August 17, 2023

HR Green Project No: 2302724

Prepared For:
JNC Development, Inc
12300 Montwood Dr
El Paso, Texas 79928

Prepared By:
HR Green Development TX, LLC
5508 Highway 290 West, Suite 150
Austin, Texas 78735
TBPE Firm No. F-16384

08/17/2023



Christine Campbell



TABLE OF CONTENTS

Edwards Aquifer Application Cover Page (TCEQ-20705).....	1
Contributing Zone Plan Application (TCEQ-10257).....	2
Attachment A – Road Map	
Attachment B – USGS Quadrangle Map	
Attachment C – Project Narrative	
Attachment D – Factors Affecting Surface Water Quality	
Attachment E – Volume and Character of Stormwater	
Attachment J – BMPs for Upgradient Stormwater	
Attachment K – BMPs for On-site Stormwater	
Attachment L – BMPs for Surface Streams	
Attachment M – Construction Plans	
Attachment N – Inspection, Maintenance, Repair and Retrofit Plan	
Attachment P – Measures for Minimizing Surface Stream Contamination	
Temporary Stormwater Section (TCEQ-0602).....	3
Attachment A – Spill Response Actions	
Attachment B – Potential Sources of Contamination	
Attachment C – Sequence of Major Activities	
Attachment D – Temporary Best Management Practices and Measures	
Attachment F – Structural Practices	
Attachment G – Drainage Area Map	
Attachment H – Temporary Sediment Pond(s) Plans and Calculations	
Attachment I – Inspection and Maintenance for BMPs	
Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices	
Notice of Intent (NOI).....	4
Agent Authorization Form (TCEQ-0599) – Authorizing HR Green Development TX, LLC.....	5
Application Fee Form (TCEQ-0574).....	6
Core Data Form (TCEQ-10400).....	7

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).

Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.
3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or 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.

1. Regulated Entity Name: Butler Farms Phase 5					2. Regulated Entity No.:					
3. Customer Name: JNC Development, Inc					4. Customer No.: 602682221					
5. Project Type: (Please circle/check one)		New <input checked="" type="checkbox"/>		Modification			Extension		Exception	
6. Plan Type: (Please circle/check one)		WPAP	CZP <input checked="" type="checkbox"/>	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)		Residential <input checked="" type="checkbox"/>		Non-residential			8. Site (acres):		9.61	
9. Application Fee:		\$3,000		10. Permanent BMP(s):			Wet Basins			
11. SCS (Linear Ft.):		N/A		12. AST/UST (No. Tanks):			N/A			
13. County:		Williamson		14. Watershed:			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

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)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity <input type="checkbox"/> Plum Creek	<input type="checkbox"/> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<input type="checkbox"/> Austin <input type="checkbox"/> Buda <input type="checkbox"/> Dripping Springs <input type="checkbox"/> Kyle <input type="checkbox"/> Mountain City <input type="checkbox"/> San Marcos <input type="checkbox"/> Wimberley <input type="checkbox"/> Woodcreek	<input type="checkbox"/> Austin <input type="checkbox"/> Bee Cave <input type="checkbox"/> Pflugerville <input type="checkbox"/> Rollingwood <input type="checkbox"/> Round Rock <input type="checkbox"/> Sunset Valley <input type="checkbox"/> West Lake Hills	<input type="checkbox"/> Austin <input type="checkbox"/> Cedar Park <input type="checkbox"/> Florence <input type="checkbox"/> Georgetown <input type="checkbox"/> Jerrell <input type="checkbox"/> Leander <input checked="" type="checkbox"/> Liberty Hill <input type="checkbox"/> Pflugerville <input type="checkbox"/> Round Rock

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

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

Christine Campbell

Print Name of Customer/Authorized Agent

Christine Campbell

08/17/2023

Signature of Customer/Authorized Agent

Date

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

Contributing Zone Plan Application

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Christine Campbell

Date: 08/17/2023

Signature of Customer/Agent:



Regulated Entity Name: Butler Farms Phase 5

Project Information

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

Contact Person: Nagesh Basnyat

Entity: JNC Development, Inc

Mailing Address: 12300 Montwood Drive

City, State: El Paso, Texas

Telephone: 915-855-1005

Email Address: nagesh@saratoga-homes.com

Zip: 79928

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.

Located NW of Butler Farms Blvd and Lazy Mountain St; southeast of Butler Farms Phases 2, 3, & 4. Property ID R613519

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: 47
- Residential: # of Living Unit Equivalents: _____
- Commercial
- Industrial
- Other: _____

13. Total project area (size of site): 9.61 Acres

Total disturbed area: 9.61 Acres

14. Estimated projected population: 47 units * 3.5 people/unit = 164.5 people

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

Table 1 - Impervious Cover

<i>Impervious Cover of Proposed Project</i>	<i>Sq. Ft.</i>	<i>Sq. Ft./Acre</i>	<i>Acres</i>
Structures/Rooftops	150,400	÷ 43,560 =	3.45
Parking	0	÷ 43,560 =	0
Other paved surfaces	62,246	÷ 43,560 =	1.43
Total Impervious Cover	212,646	÷ 43,560 =	4.88

Total Impervious Cover 4.88 ÷ Total Acreage 9.61 X 100 = 50.8% Impervious Cover

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

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

For Road Projects Only

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

N/A

18. Type of project:

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

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

- Concrete
- Asphaltic concrete pavement
- Other: _____

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

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

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

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

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

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

Total x 1.5 = _____ Gallons

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

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

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

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

Table 3 - Secondary Containment

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

Total: _____ Gallons

30. Piping:

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

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

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

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

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

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

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

Site Plan Requirements

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

34. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 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

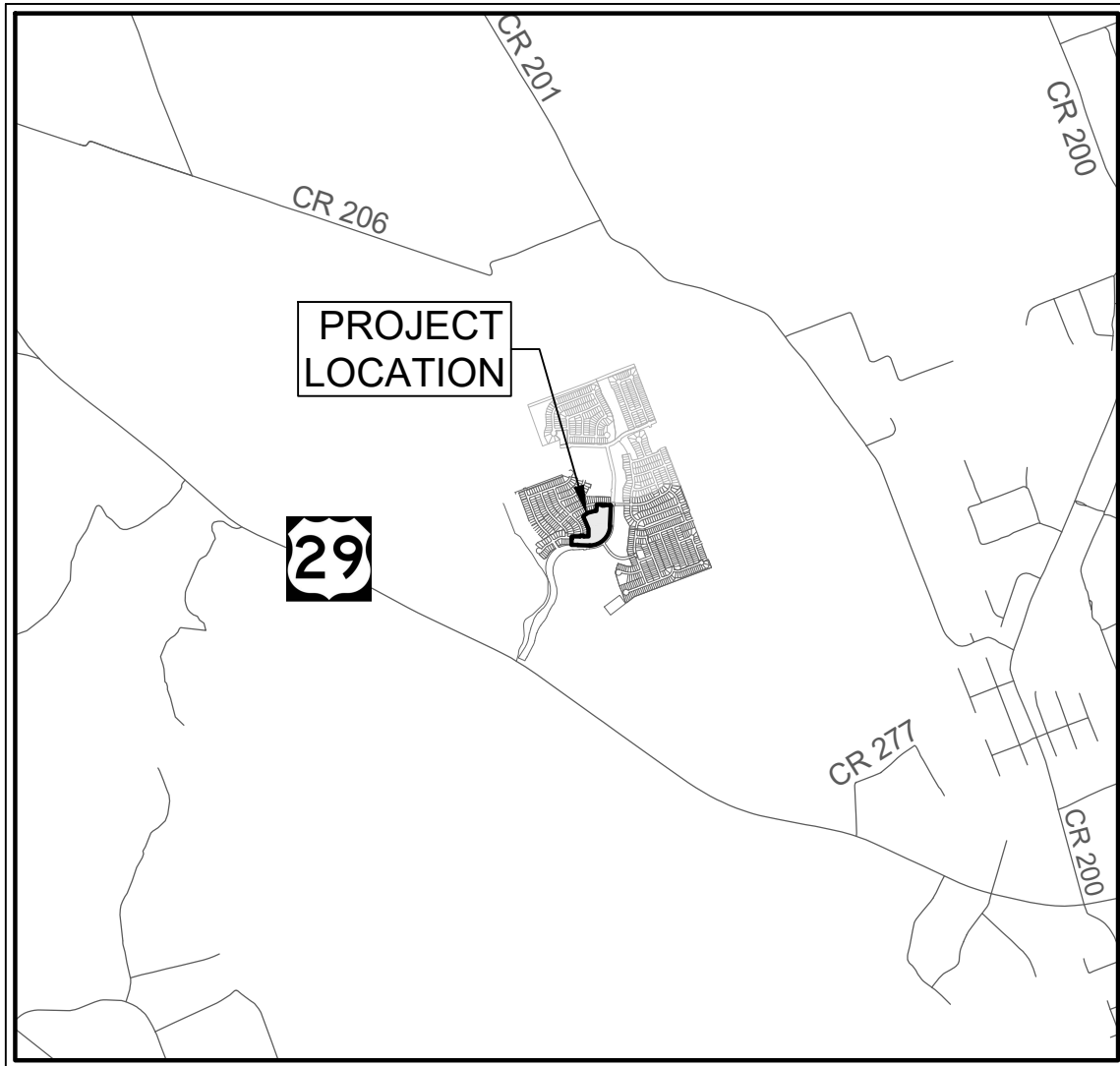
Responsibility for Maintenance of Permanent BMPs and Measures after Construction is Complete.

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'



P:\Marlin\Altamisa\MAG17001_Bulletin\SECTION 5103_ACAD\Plans\shSEC5-COVER.dwg, August 02, 2023, ccampbell



DEVELOPMENT TX

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

TBPE NO: 16384
 TBPLS NO: 10194101

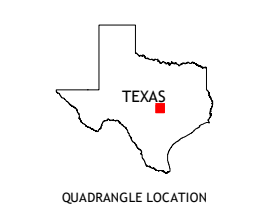
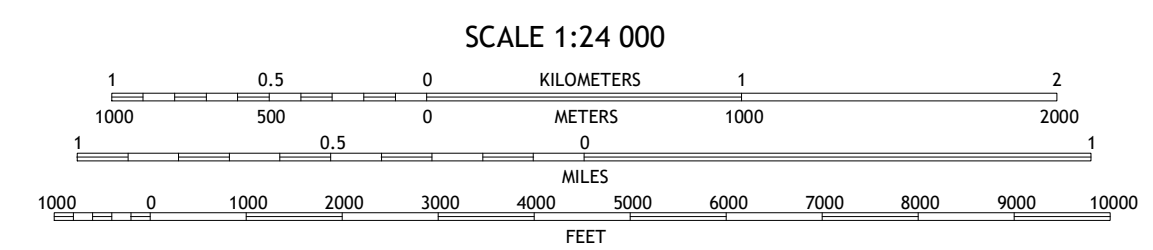
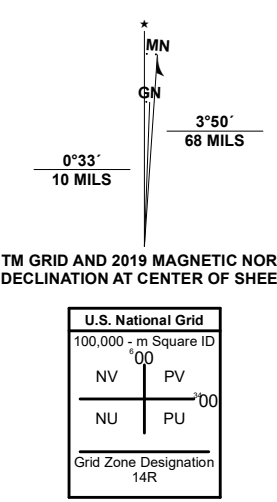
**BUTLER FARMS
 PHASE 5
 LOCATION MAP**



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.

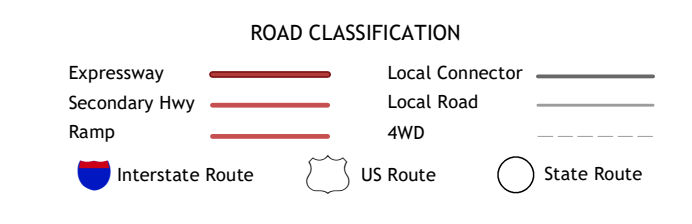
Imagery.....NAIP, August 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 2008 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National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



ADJOINING QUADRANGLES

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



ATTACHMENT C – PROJECT NARRATIVE

Butler Farms Phase 5 is a proposed single-family residential development tract, including 47 residential lots, and associated right-of-way, drainage, and utilities located in Liberty Hill full purpose jurisdiction and Williamson County. The site is located within the Edwards Aquifer Contributing Zone and the South Fork San Gabriel watershed. The overall project site encompasses a 9.61-acre tract of land located northwest of Butler Farms Blvd and Lazy Mountain St and southeast of Butler Farms Phases 2, 3, & 4. There will be roughly 9.61 acres of disturbed land.

The project site is undeveloped wooded land with grass. 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 50.8% 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 9.61 acres of the proposed Butler Farms Phase 5 property, there is approximately 4.88 acres of impervious cover. Based on the 80% TSS removal requirement by TCEQ, we need to provide 4,248 lbs of TSS removal for the proposed development. As shown in the calculations, the existing, approved wet basins satisfy the TSS removal requirement. 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 25,771 lbs of TSS in the interim and the required 27,652 lbs of TSS in the fully developed condition. Pond A will receive 86.57 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 66,932 lbs of TSS in the interim and the required 77,850 lbs of TSS in the fully developed condition. Pond B will receive 189.60 acres of onsite flow and 51.63 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 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 5 site limits is 0.02 (0% impervious cover) and the post construction runoff coefficient is 0.36 (50.8% 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 187.58 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 5 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.

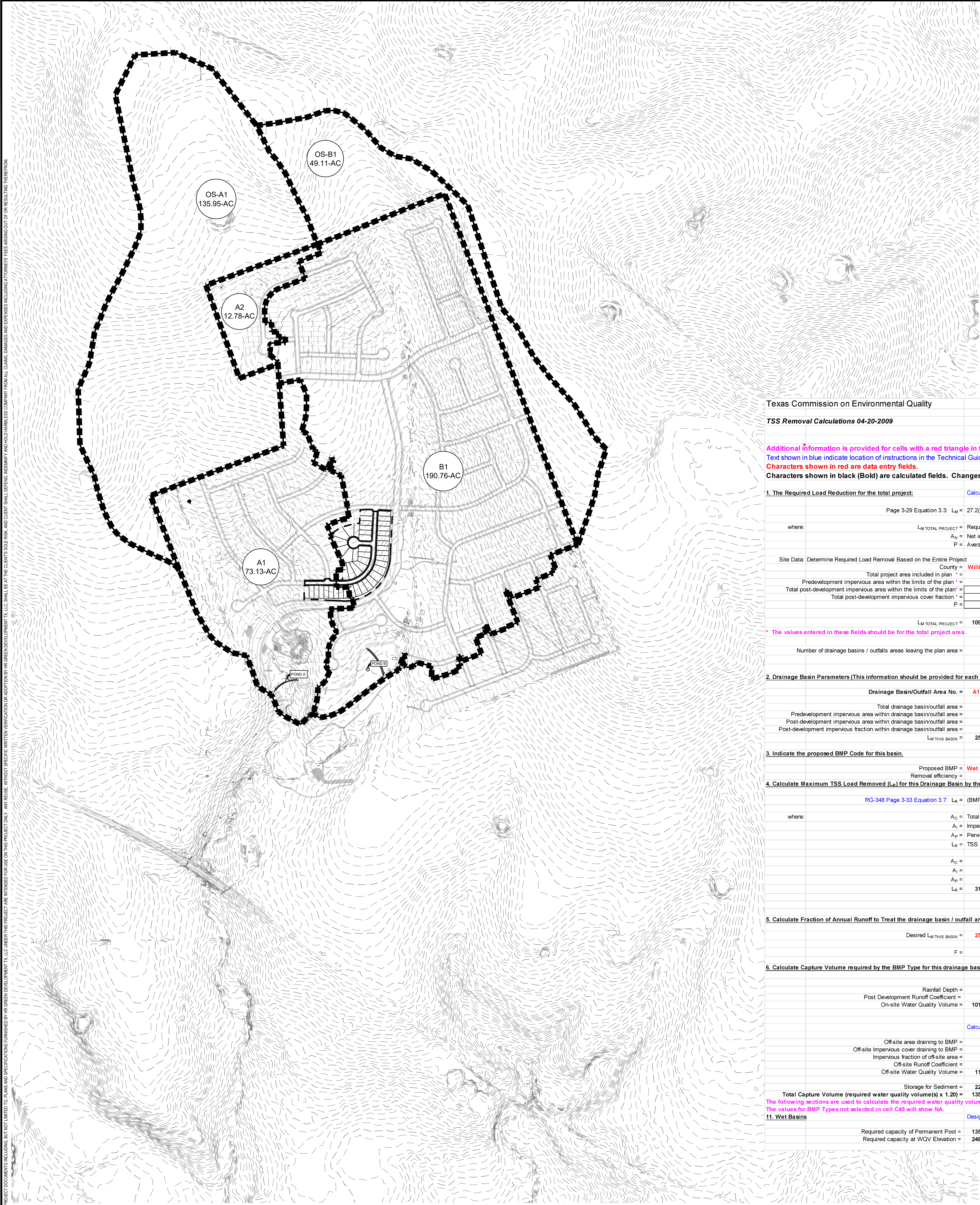
Responsible Party for Maintenance: 366 TX 29, LTD
Address: 15443 Knoll Trail Drive, Suite 130
City, State, Zip: Dallas, TX 75248
Telephone Number: (971)715-6440

Signature of Responsible Party

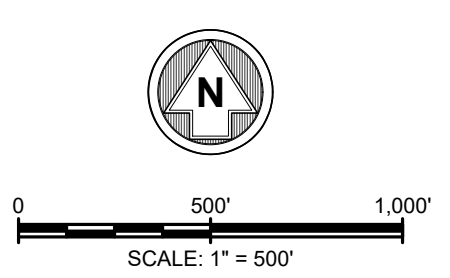


6-29-2020

DATE: 08/03/2023
 FILE: P:\MIS\Projects\2023\Butler Farms Phase 5\Butler Farms Phase 5 - TSS Removal Calculations 04-20-2009.dwg
 PROJECT: BUTLER FARMS PHASE 5 PROJECT ONLY
 DRAWN BY: MV/CC
 CHECKED BY: CC/SN
 APPROVED BY: SN
 SHEET: EXHIBIT



BUTLER FARMS PHASE 5 PROJECT ONLY



Texas Commission on Environmental Quality		Project Name: Butler Farms Phase 5
TSS Removal Calculations 04-20-2009		Date Prepared: 8/3/2023
<p>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.</p>		
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: $L_{d,TOTAL PROJECT} = 27.2(AN \times P)$		
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 =	9.61 acres
	Predevelopment impervious area within the limits of the plan =	4.88 acres
	Total post-development impervious area within the limits of the plan =	0.51 acres
	Total post-development impervious cover fraction =	32.00 inches
	P	32.00 inches
	$L_{d,TOTAL PROJECT}$	4,248 lbs.

WET BASIN A

Texas Commission on Environmental Quality		Project Name: Butler Farms Phase 5
TSS Removal Calculations 04-20-2009		Date Prepared: 8/3/2023
<p>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.</p>		
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: $L_{d,TOTAL PROJECT} = 27.2(AN \times P)$		
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 =	351.28 acres
	Predevelopment impervious area within the limits of the plan =	125.62 acres
	Total post-development impervious area within the limits of the plan =	0.36 acres
	Total post-development impervious cover fraction =	32.00 inches
	P	32.00 inches
	$L_{d,TOTAL PROJECT}$	109,339.56 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
2. Drainage Basin Parameters (This information should be provided for each basin):		
	Drainage Basin/Outfall Area No. =	A1 & A2
	Total drainage basin/outfall area =	85.91 acres
	Predevelopment impervious area within drainage basin/outfall area =	29.61 acres
	Post-development impervious area within drainage basin/outfall area =	0.34 acres
	Post-development impervious fraction within drainage basin/outfall area =	0.34
	$L_{d,THIS BASIN}$	25,770.60 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_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_C	Total On-Site drainage area in the BMP catchment area
	A_i	Impervious area proposed in the BMP catchment area
	A_p	Pervious area remaining in the BMP catchment area
	L_d	TSS Load removed from this catchment area by the proposed BMP
	A_C	85.91 acres
	A_i	29.61 acres
	A_p	56.30 acres
	L_d	31,391.80 lbs.
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area		
	Desired $L_{d,THIS BASIN}$	25,770.60 lbs.
	F	0.82
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 =	1.16 inches
	Post Development Runoff Coefficient =	0.28
	On-site Water Quality Volume =	101,407.21 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 =	11,449.17 cubic feet
	Storage for Sediment =	22,571.28 cubic feet
	Total Capture Volume (required water quality volume(s) x 1.20) =	135,427.65 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 =	135,427.65 cubic feet
	Required capacity at WQV Elevation =	248,284.03 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		Project Name: Butler Farms Phase 5
TSS Removal Calculations 04-20-2009		Date Prepared: 8/3/2023
<p>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.</p>		
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: $L_{d,TOTAL PROJECT} = 27.2(AN \times P)$		
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 =	351.28 acres
	Predevelopment impervious area within the limits of the plan =	125.62 acres
	Total post-development impervious area within the limits of the plan =	0.36 acres
	Total post-development impervious cover fraction =	32.00 inches
	P	32.00 inches
	$L_{d,TOTAL PROJECT}$	109,339.56 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
2. Drainage Basin Parameters (This information should be provided for each basin):		
	Drainage Basin/Outfall Area No. =	B1
	Total drainage basin/outfall area =	190.76 acres
	Predevelopment impervious area within drainage basin/outfall area =	76.90 acres
	Post-development impervious area within drainage basin/outfall area =	0.40 acres
	Post-development impervious fraction within drainage basin/outfall area =	0.40
	$L_{d,THIS BASIN}$	66,932.08 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_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_C	Total On-Site drainage area in the BMP catchment area
	A_i	Impervious area proposed in the BMP catchment area
	A_p	Pervious area remaining in the BMP catchment area
	L_d	TSS Load removed from this catchment area by the proposed BMP
	A_C	190.76 acres
	A_i	76.90 acres
	A_p	113.86 acres
	L_d	81,011.45 lbs.
5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area		
	Desired $L_{d,THIS BASIN}$	66,932.08 lbs.
	F	0.83
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 =	1.20 inches
	Post Development Runoff Coefficient =	0.31
	On-site Water Quality Volume =	256,244.01 cubic feet
Calculations from RG-348 Pages 3-36 to 3-37		
	Off-site area draining to BMP =	49.11 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 =	4,278.46 cubic feet
	Storage for Sediment =	52,104.49 cubic feet
	Total Capture Volume (required water quality volume(s) x 1.20) =	312,626.97 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 =	312,626.97 cubic feet
	Required capacity at WQV Elevation =	573,149.44 cubic feet
	Permanent Pool Capacity is 1.20 times the WQV	Total Capacity should be the Permanent Pool Capacity plus a second WQV.

5608 HIGHWAY 290 W
SUITE 150
AUSTIN, TX 78735
PHONE: 512.872.6686
HRGreen.com
TBP# NO: 16384
TFL#S NO: 10194101

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

HRGreen
DEVELOPMENT TX

STATE OF TEXAS
SHERVIN, INDOUS
SIGNED
08/03/23

INTERIM WATER QUALITY
DRAINAGE AREA MAP

**BUTLER FARMS
PHASE 5**

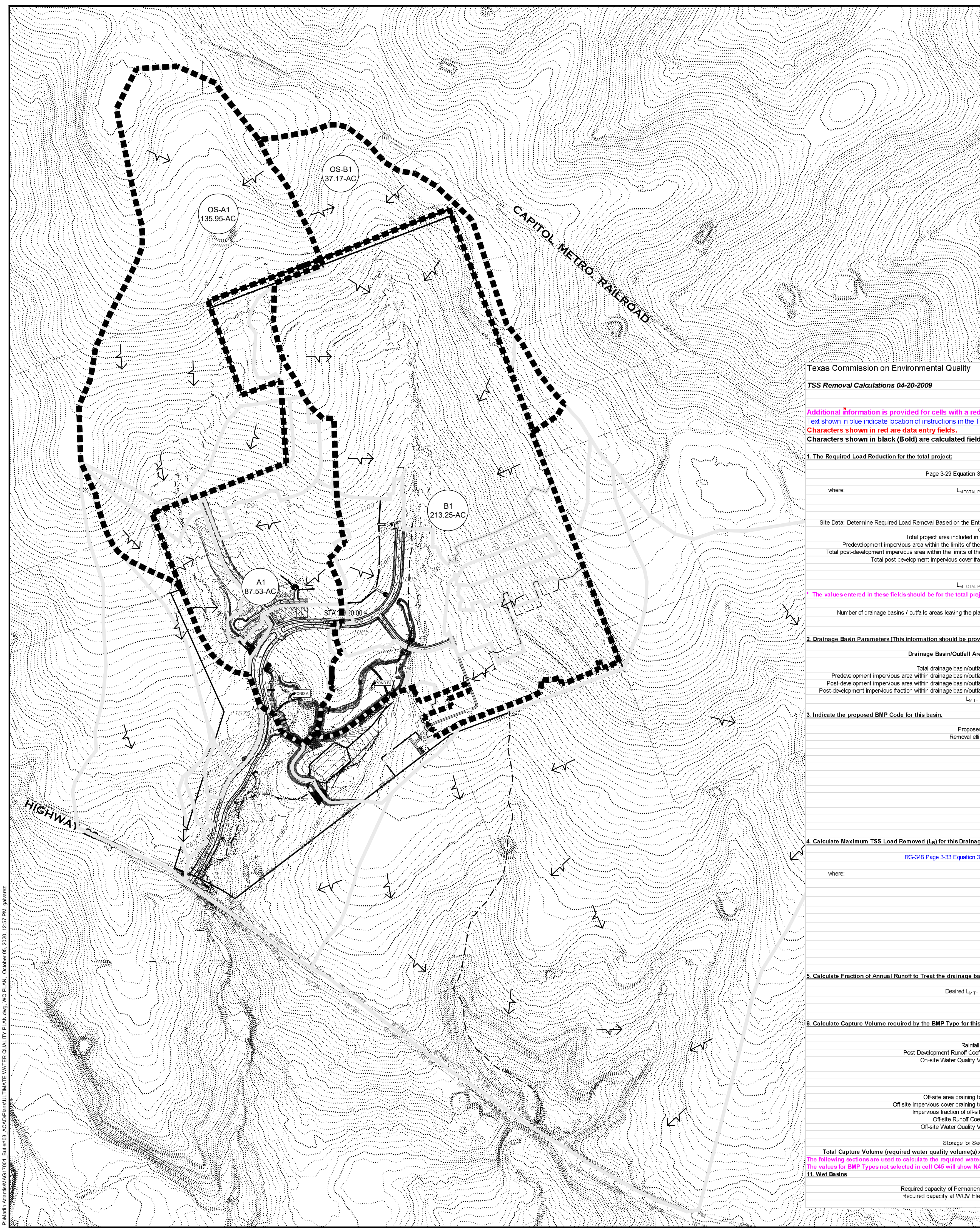
LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

DESIGNED BY: MV / CC
DRAWN BY: MV / MM
CHECKED BY: CC / SN
APPROVED BY: SN

NO. REVISION
BY DATE

SHEET

EXHIBIT



WET BASIN A

WET BASIN B

Texas Commission on Environmental Quality
 TSS Removal Calculations 04-20-2009
 Project Name: **Butler (Ultimate Development)**
 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: $L_{TSS} = 27.2(AN \times P)$

where:
 L_{TSS} = Required TSS removal resulting from the proposed development = 80% of increased load
 A_i = 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 = **135.30** acres
 Total post-development impervious area within the limits of the plan = **135.30** acres
 Total post-development impervious cover fraction = **0.37**
 P = **32.00** inches

L_{TSS} = **117,767.16** 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 = **87.53** acres
 Predevelopment impervious area within drainage basin/outfall area = **-** acres
 Post-development impervious area within drainage basin/outfall area = **29.39** acres
 Post-development impervious fraction within drainage basin/outfall area = **0.34**
 L_{TSS} = **25,581.06** 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_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_p = Pervious area remaining in the BMP catchment area
 L_R = TSS Load removed from this catchment area by the proposed BMP

A_i = **87.53** acres
 A_p = **29.39** acres
 A_p = **58.14** acres
 L_R = **31,197.10** lbs.

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

Desired L_R = **30,000.00** lbs.
 F = **0.96**

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 = **2.80** inches
 Post Development Runoff Coefficient = **0.28**
 On-site Water Quality Volume = **245,551.53** 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 = **26,865.48** cubic feet

Storage for Sediment = **54,485.40**
 Total Capture Volume (required water quality volume(s) $\times 1.20$) = **328,900.42** 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 = **328,900.42** cubic feet
 Required capacity at WQV Elevation = **599,317.43** 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 (Ultimate Development)**
 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: $L_{TSS} = 27.2(AN \times P)$

where:
 L_{TSS} = Required TSS removal resulting from the proposed development = 80% of increased load
 A_i = 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 = **135.30** acres
 Total post-development impervious area within the limits of the plan = **135.30** acres
 Total post-development impervious cover fraction = **0.37**
 P = **32.00** inches

L_{TSS} = **117,767.16** 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 = **213.25** acres
 Predevelopment impervious area within drainage basin/outfall area = **-** acres
 Post-development impervious area within drainage basin/outfall area = **101.84** acres
 Post-development impervious fraction within drainage basin/outfall area = **0.48**
 L_{TSS} = **88,641.54** 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_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_p = Pervious area remaining in the BMP catchment area
 L_R = TSS Load removed from this catchment area by the proposed BMP

A_i = **213.25** acres
 A_p = **101.84** acres
 A_p = **111.41** acres
 L_R = **106,654.64** lbs.

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

Desired L_R = **95,000.00** 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 = **1.80** inches
 Post Development Runoff Coefficient = **0.35**
 On-site Water Quality Volume = **427,854.89** cubic feet

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

Off-site area draining to BMP = **37.17** 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 = **4,317.67** cubic feet

Storage for Sediment = **88,434.51**
 Total Capture Volume (required water quality volume(s) $\times 1.20$) = **518,607.07** 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 = **518,607.07** cubic feet
 Required capacity at WQV Elevation = **950,776.63** cubic feet

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

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

LAND DEV
 CONSULTING, L.L.C.
 5508 HIGHWAY 290 WEST, SUITE 150
 AUSTIN, TX 78735
 OFFICE: 512.872.6696
 FAX: 512.169.8166

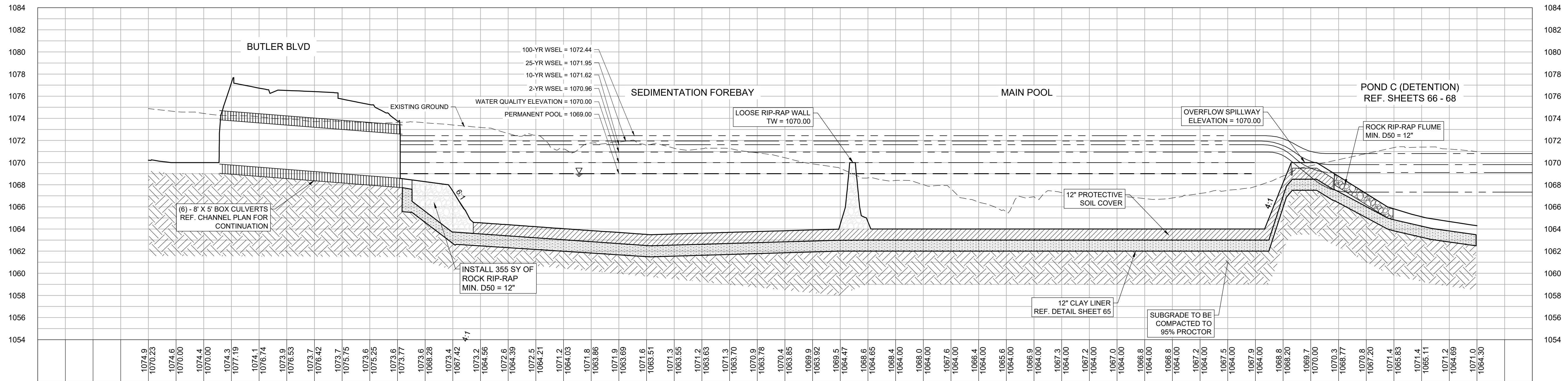
STATE OF TEXAS
 SHERVIN MOOSHIN
 LICENSED PROFESSIONAL ENGINEER
 96807
 09/16/2020

DESIGNED BY: **SN/MK/EP**
 DRAWN BY: **MK/GS/AA/CC**
 CHECKED BY: **BB/SB/SH**
 APPROVED BY: **JW**

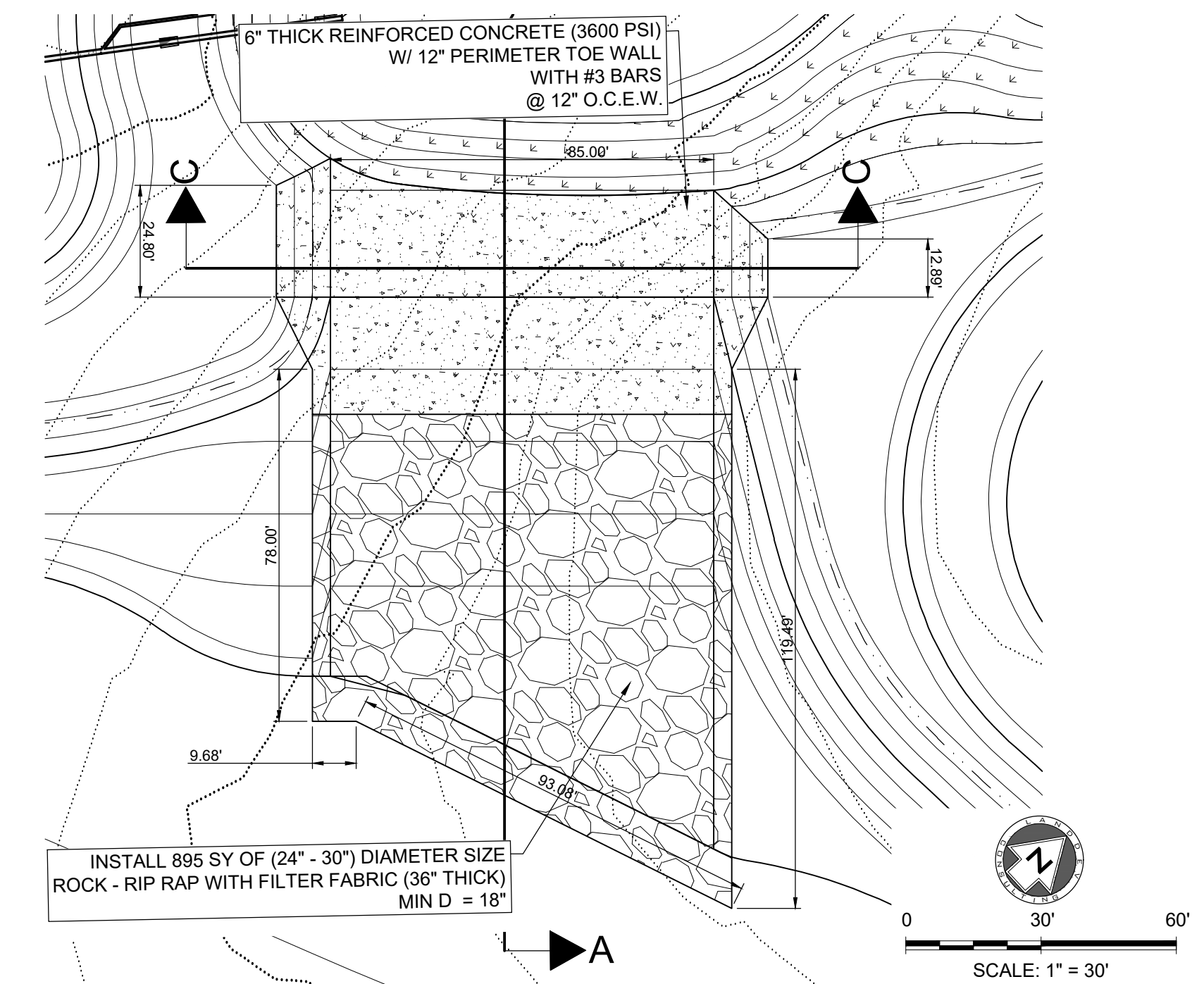
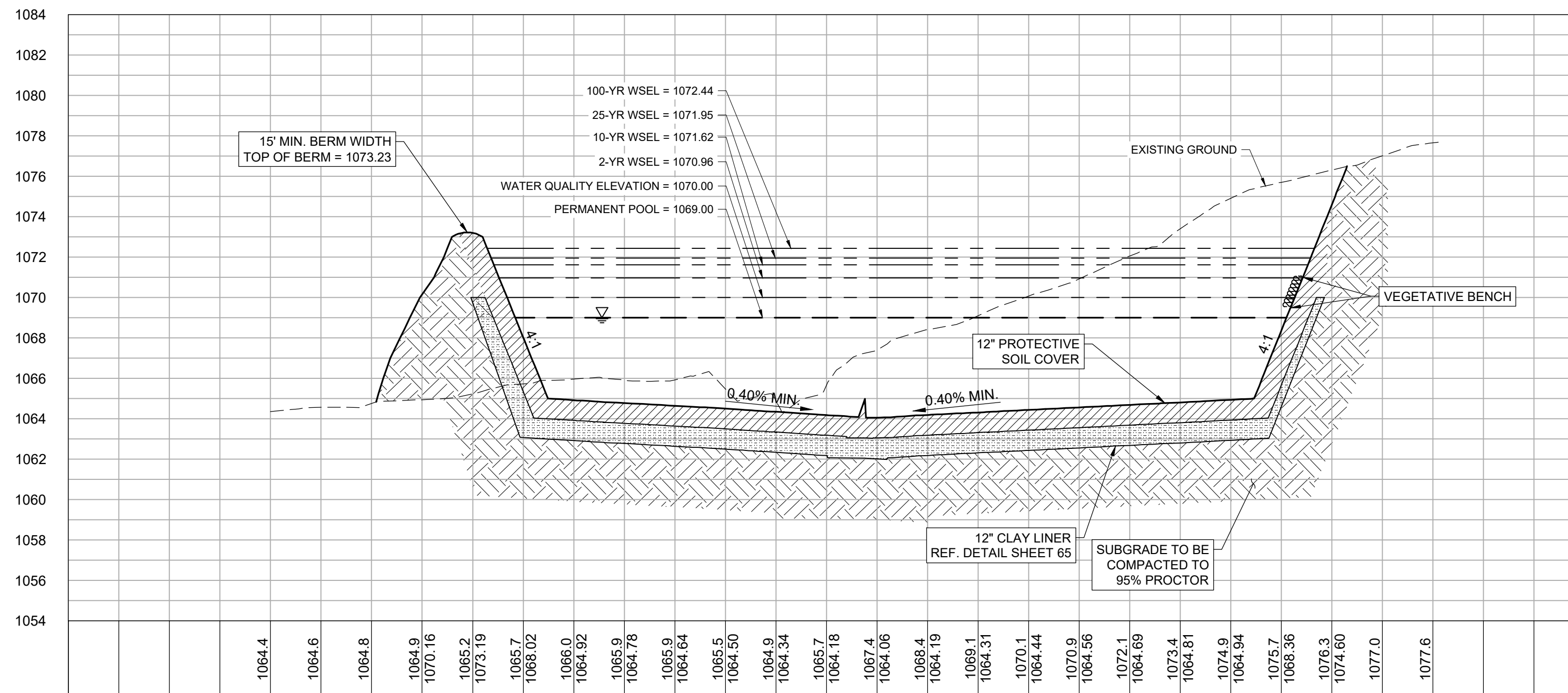
WATER QUALITY PLAN (ULTIMATE)
 BUTLER FARMS PHASE ONE
 MAIN INFRASTRUCTURE
 CONSTRUCTION PLANS
 LIBERTY HILL, TEXAS

SHEET **59** OF **121**

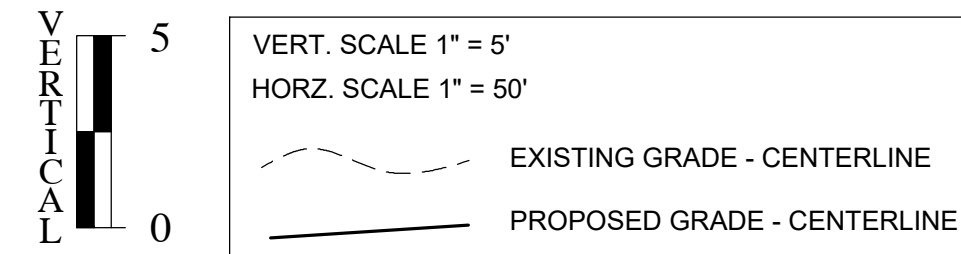
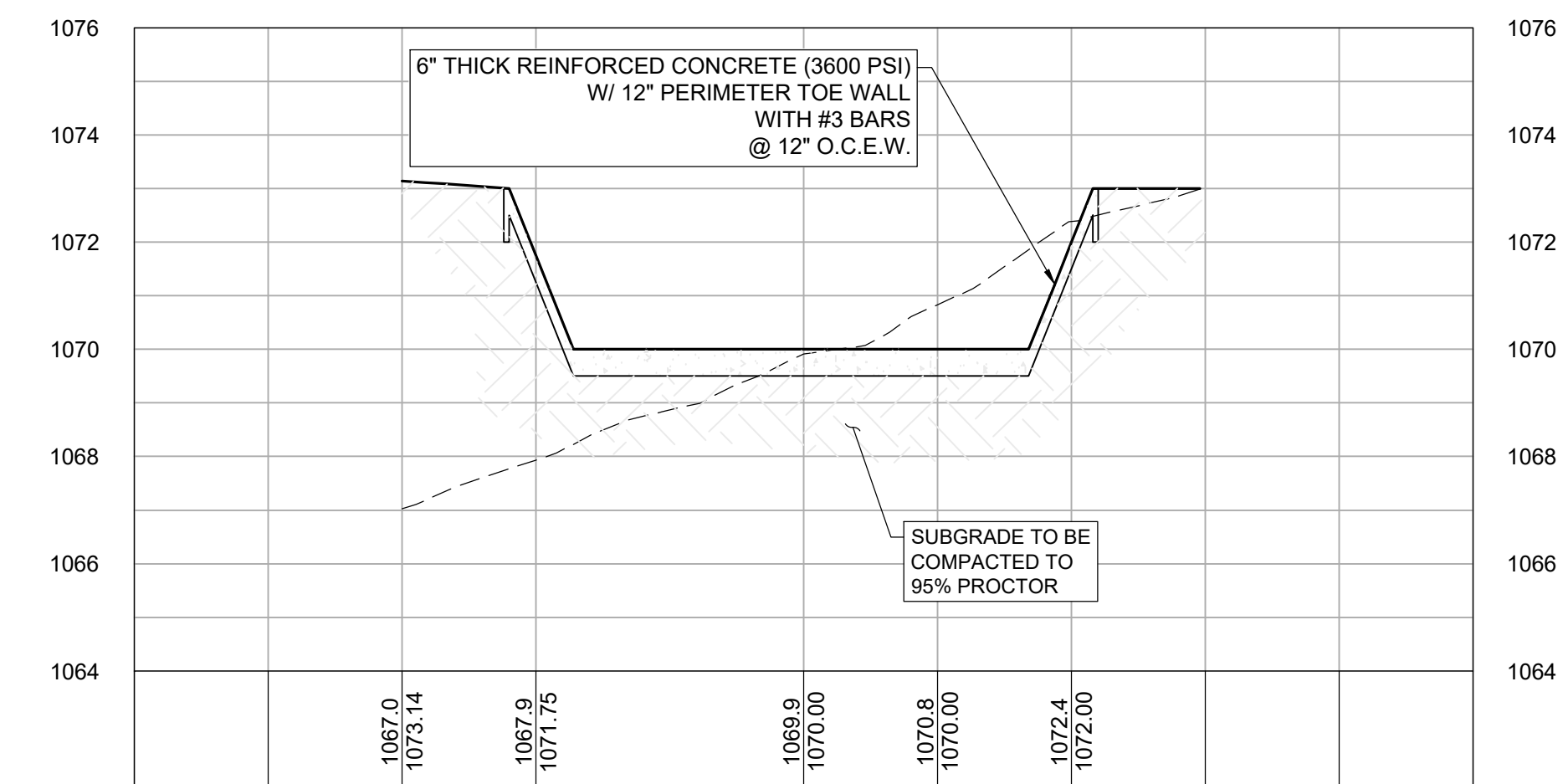
POND A SECTION A-A



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

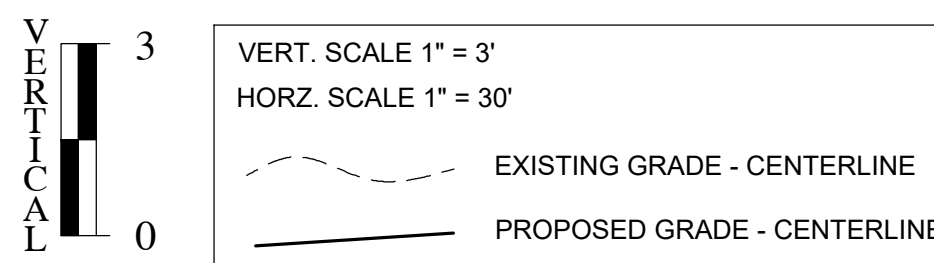
Time (hrs)	WSEL	Volume (cf)	Discharge (cfs)
0	1070.00	777,994	3.34
1	1069.94	766,272	3.17
2	1069.88	755,188	2.99
3	1069.82	744,743	2.81
4	1069.76	734,937	2.63
5	1069.71	725,769	2.46
6	1069.67	717,239	2.28
12	1069.43	673,862	2.26
16	1069.28	646,004	1.63
20	1069.17	626,328	1.12
24	1069.10	613,043	0.74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

Stage-Storage Table - Wet Pond A

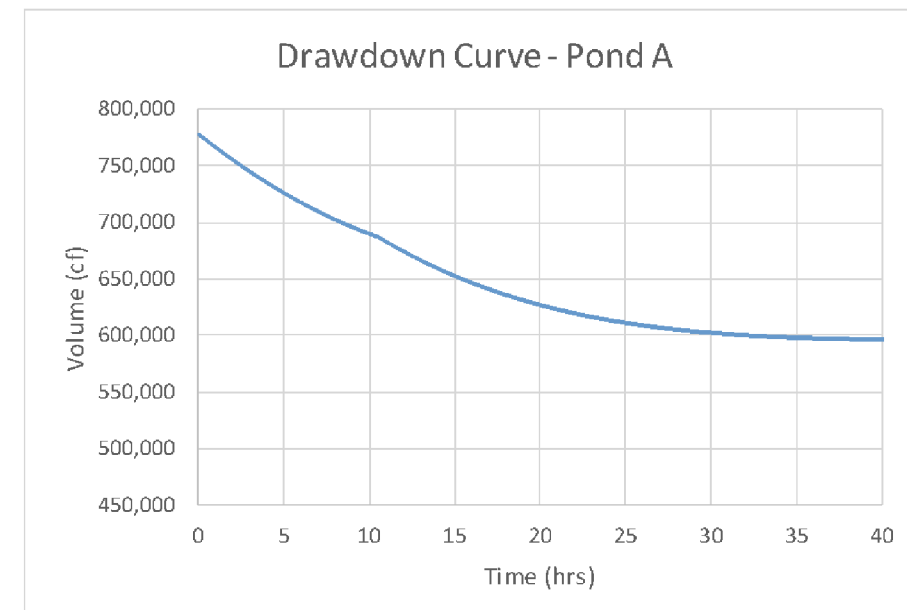
Elevation	Sed. Basin Area (sf)	Wet Pond Area (sf)	Combined Area (sf)	Area (ac)	Sed Basin Volume (cf)	Total Volume (cf)
1064.00	29,182	66,889	96,071	2.20549	0	0
1065.00	34,498	71,280	105,778	2.42833	31,903	100,886
1066.00	36,849	77,839	114,688	2.63287	67,470	211,089
1067.00	39,344	82,264	121,608	2.79174	105,560	329,220
1068.00	42,643	89,275	131,918	3.02842	146,542	455,948
1068.90	50,002	95,237	145,239	3.33423	188,188	580,620
1069.00	48,250	101,478	149,728	3.43728	193,101	595,368
1070.00	53,647	163,986	217,633	4.99617	244,025	777,994
1071.00		168,334	168,334	3.86442	0	970,450
1072.00		181,123	181,123	4.15801	0	1,145,140
1073.00		190,507	190,507	4.37345	0	1,330,935

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



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

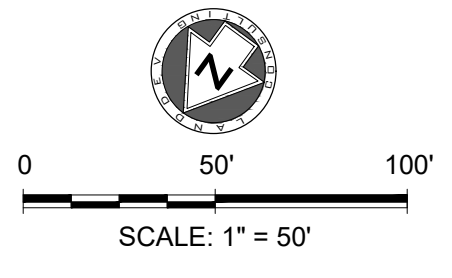
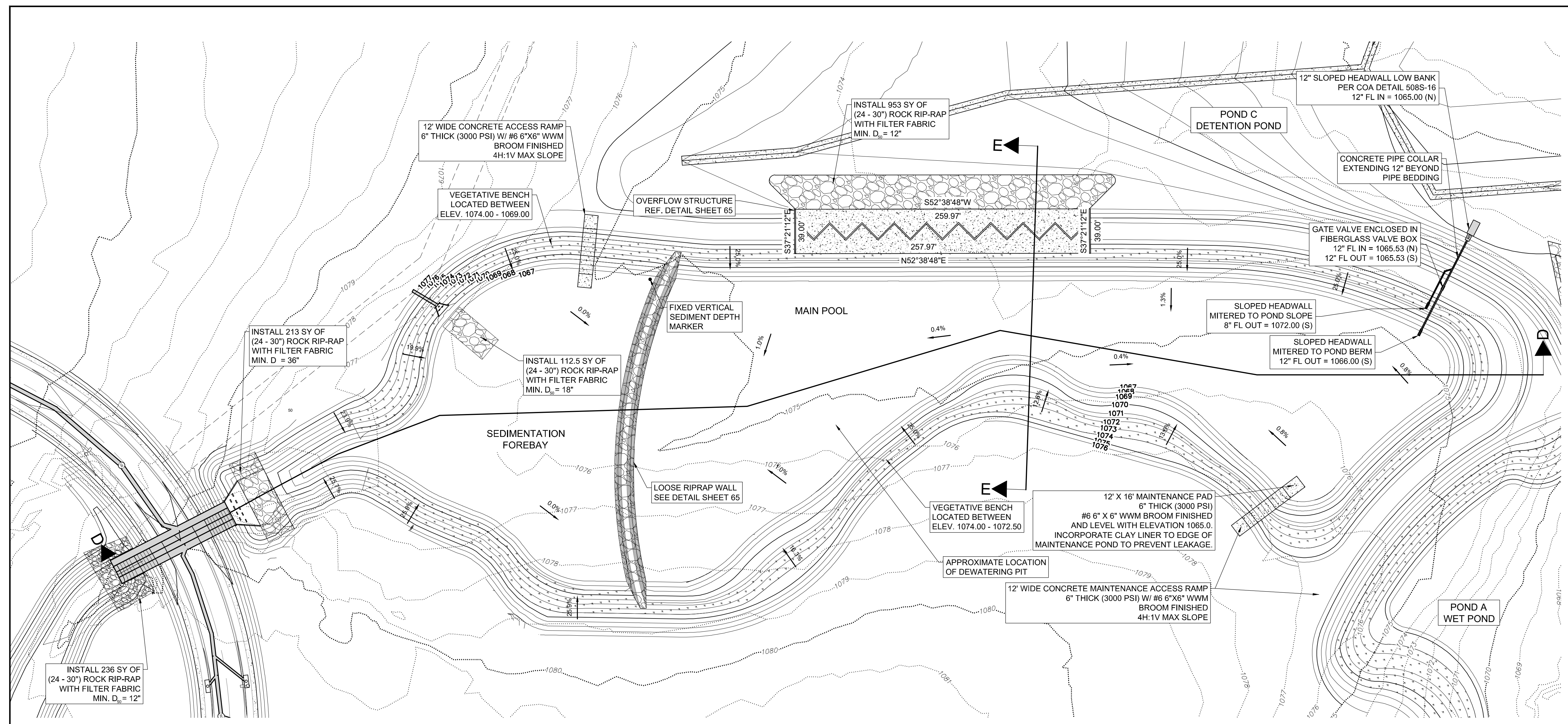
LAND DEV
CONSULTING, LLC
5508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TX 78735
OFFICE: 512.872.6696
FIRM NO.: 16384

STATE OF TEXAS
SHERVIN NOOSHIN
9887
LICENSED PROFESSIONAL ENGINEER
09/16/2020

DESIGNED BY: BN/MKE/EP
DRAWN BY: MKG/SA/CC
CHECKED BY: BB/BN/SH
APPROVED BY: JW

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

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.

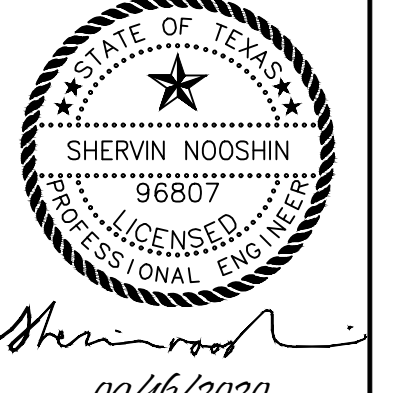
NOTES:

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 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 1/2 CRITICAL ROOT ZONE.
3. GRADING WORK WITHIN THE 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.

NO.	REVISION	BY	DATE



LAND DEV
CONSULTING, L.L.C.
9508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TX 78735
OFFICE: 512.872.6696
FAX: 512.169884

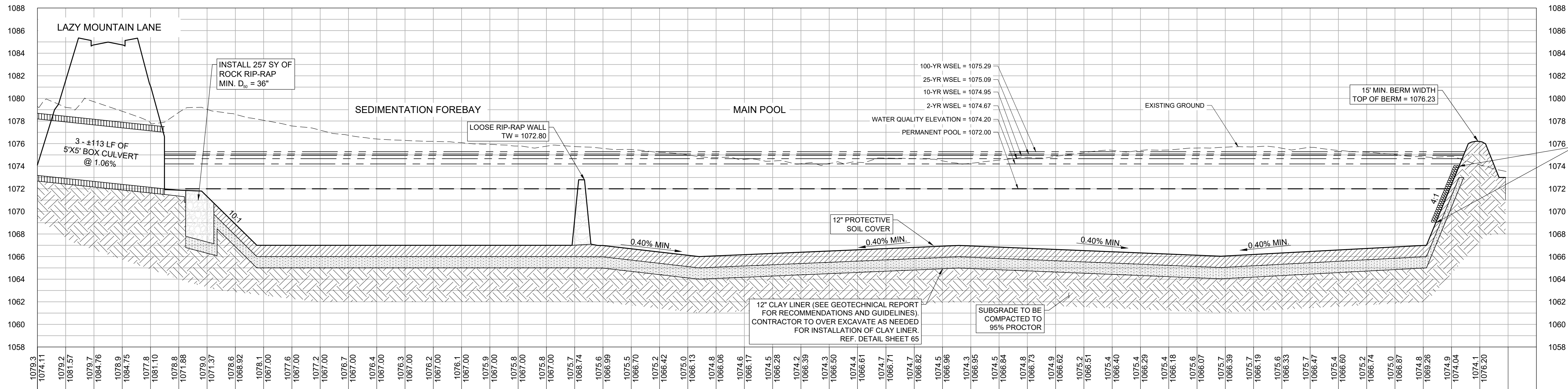


WATER QUALITY POND B PLAN
BUTLER FARMS PHASE ONE
MAIN INFRASTRUCTURE
CONSTRUCTION PLANS
LIBERTY HILL, TEXAS

DESIGNED BY: **SN/MK/CP**
DRAWN BY: **MK/GS/AA/CC**
CHECKED BY: **BB/SN/SH**
APPROVED BY: **JW**
SHEET **63** OF **121**

P:\Main\Drawings\2020_Butler\03_ACO\Drawings\B PLAN AND PROFILES.dwg POND B PLAN, November 16, 2020, 1:53 PM, gongar

POND B SECTION D-D



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	mssl
PPE:	1072.00	mssl
Outlet Flowline:	1072.00	mssl
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:	1	minute
Drawdown Time:	35.73	hrs

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
1072.00	60,817	136,900	197,717	4.53896	264,973	883,692
1073.00	0	211,067	211,067	4.84543	0	1,088,048
1074.00	0	228,759	228,759	5.25158	0	1,307,902
1074.20	0	236,451	236,451	5.42817	0	1,354,420
1075.00	0	238,374	238,374	5.47231	0	1,544,350
1076.00	0	247,574	247,574	5.68352	0	1,787,309

Trapezoidal Pond Weir Computations

$$Q = 3.1[B + .8Hz]H^{1.5}$$

$$V = Q/A$$

where:	B = 360
Q = Flow Rate (cfs)	Q ₂₅ = 974 cfs
B = Weir Bottom Width (ft)	H ₂₅ = 0.91 ft
H = Head over Weir Bottom (ft)	V ₂₅ = 2.96 ft/s
z = Side Slope (zH:1V)	Q ₁₀₀ = 1342 cfs
V = Flow Velocity (ft/s)	H ₁₀₀ = 1.12 ft
A = Flow Area (ft ²) = BH	V ₁₀₀ = 3.32 ft/s

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 Q₂₅: 0.91

Max WSEL to pass Q₂₅: 1075.11

Freeboard Provided to pass Q₂₅: 1.12

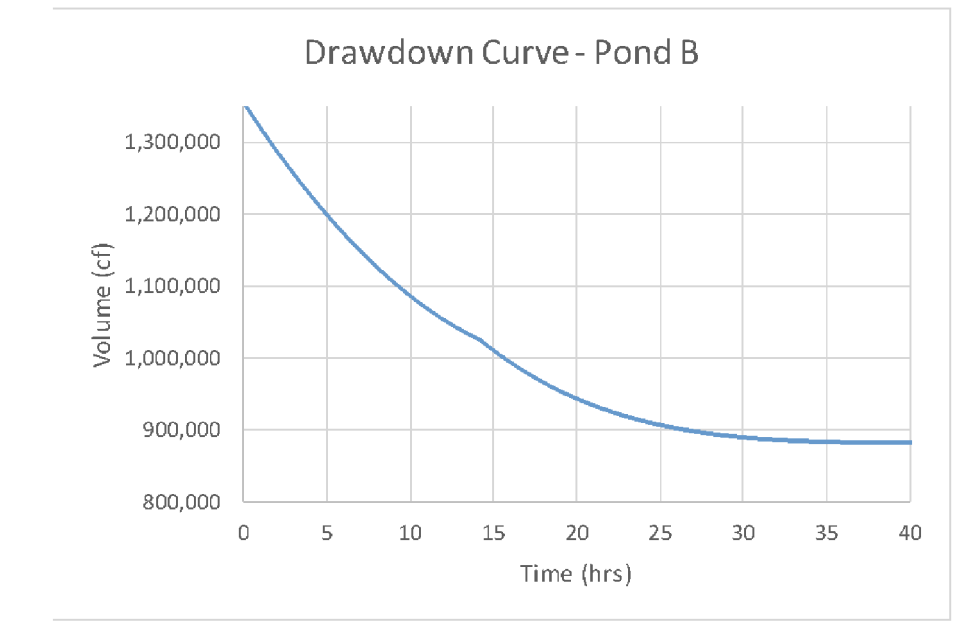
Head required to pass Q₁₀₀: 1.12

Max WSEL to pass Q₁₀₀: 1075.32

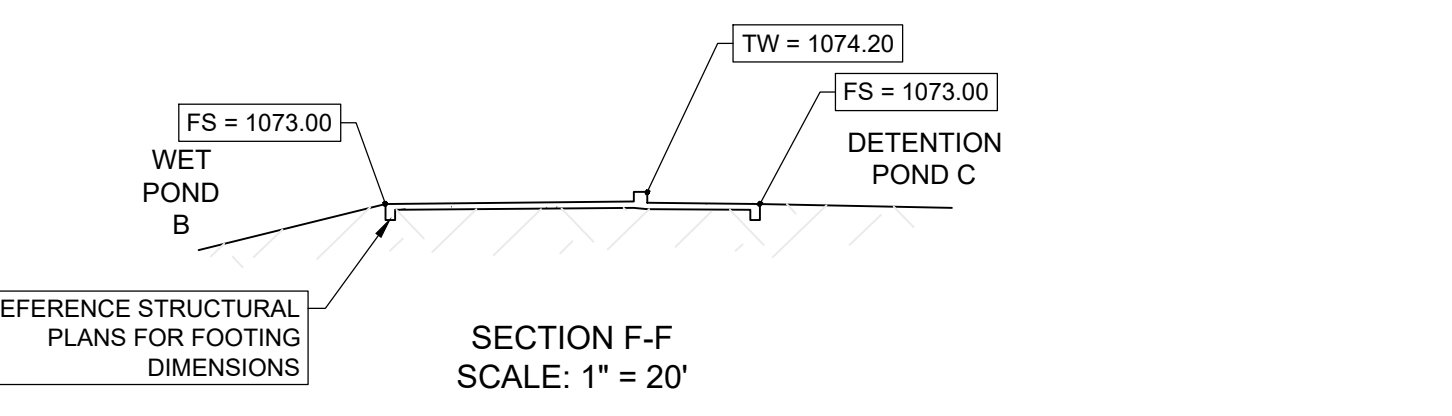
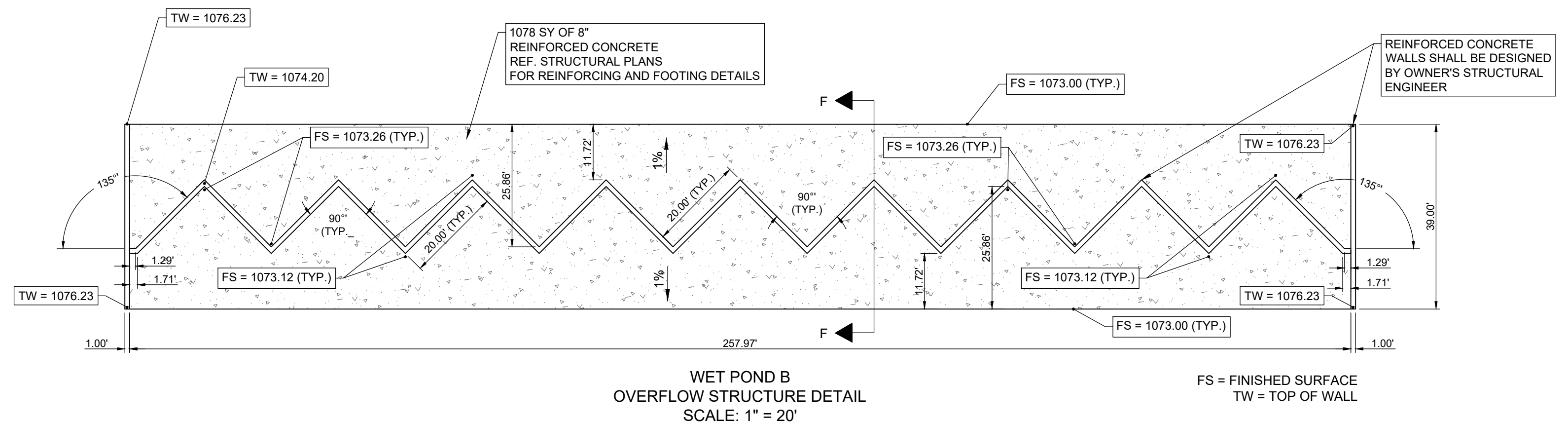
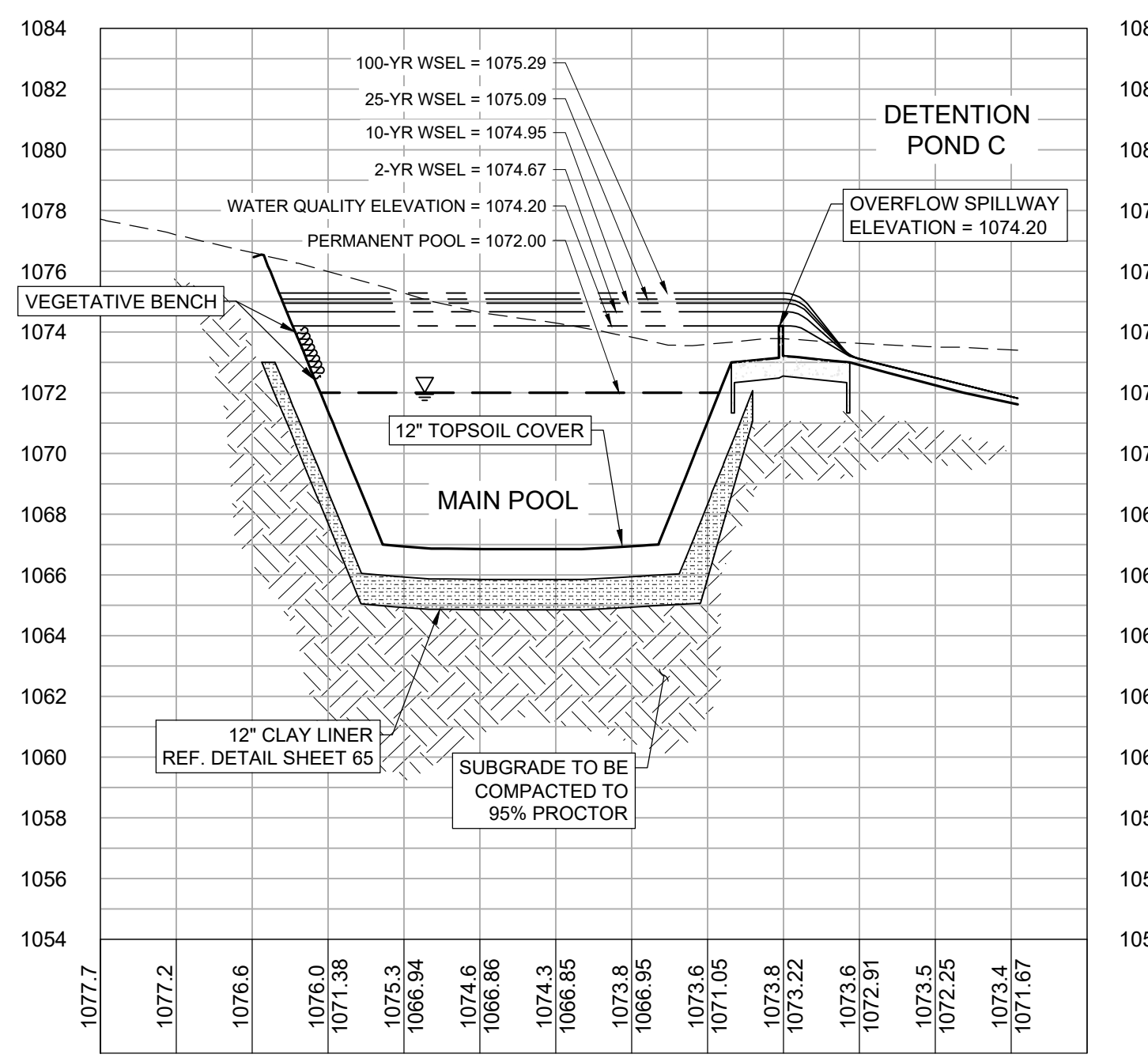
Freeboard Provided to pass Q₁₀₀: 0.91

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	-



POND B SECTION E-E



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

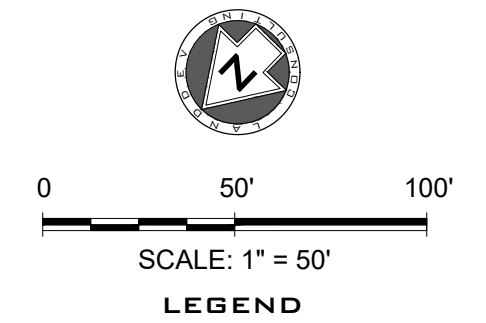
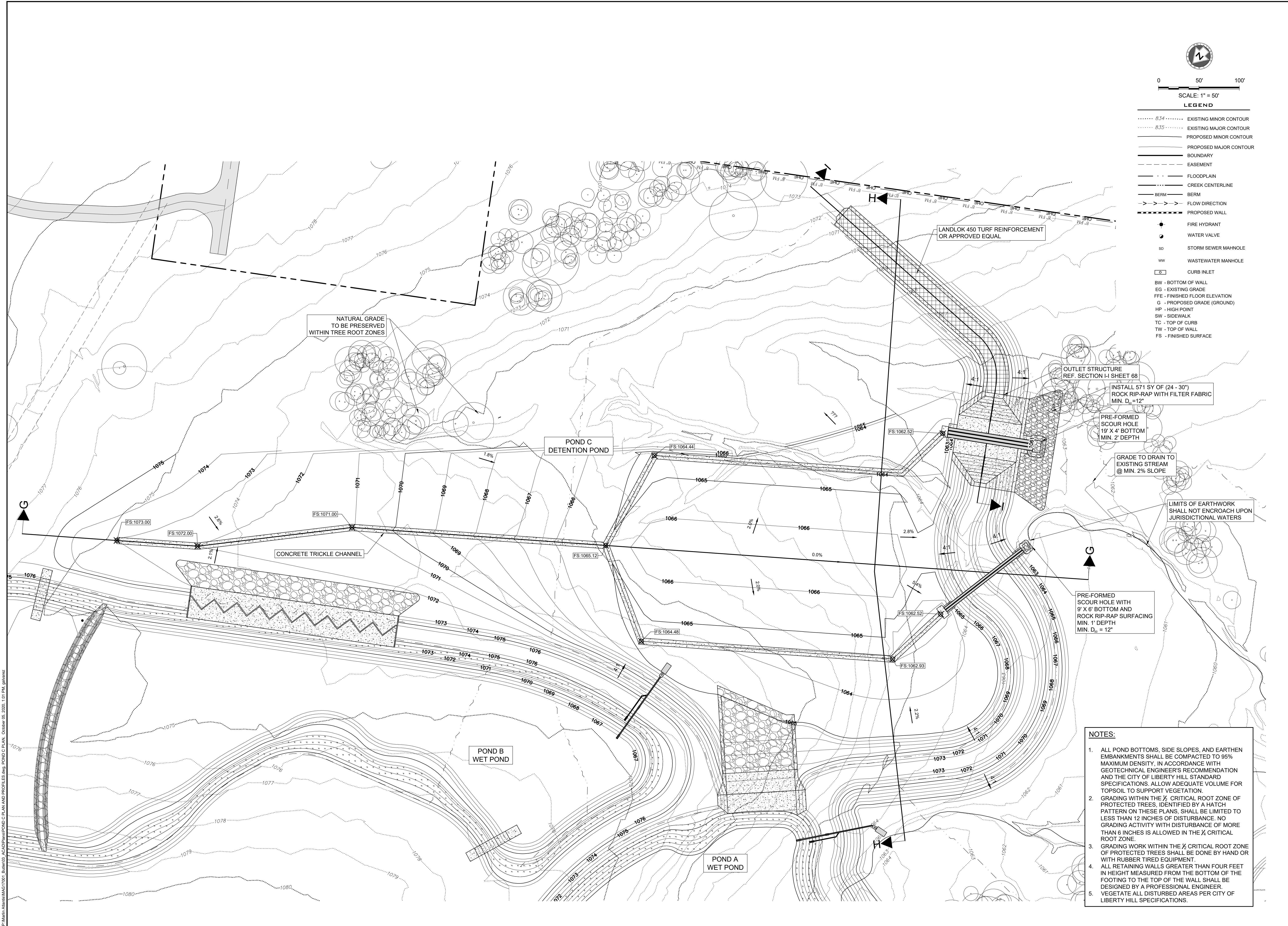
LAND DEV
CONSULTING, LLC
5508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TX 78735
OFFICE: 512.872.6696
FIRM NO.: 16384

STATE OF TEXAS
SHERVIN NOOSHIN
96807
LICENSED PROFESSIONAL ENGINEER
09/16/2020

DESIGNED BY: BN/MKE/EP
DRAWN BY: MK/GS/AACE
CHECKED BY: BS/BN/SH
APPROVED BY: JW

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

SHEET 64 OF 121



LEGEND

- 8.34 EXISTING MINOR CONTOUR
- 8.35 EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- BOUNDARY
- EASEMENT
- FLOODPLAIN
- CREEK CENTERLINE
- BERM
- FLOW DIRECTION
- PROPOSED WALL
- FIRE HYDRANT
- WATER VALVE
- sd STORM SEWER MANHOLE
- ww WASTEWATER MANHOLE
- CURB INLET
- BW - BOTTOM OF WALL
- EG - EXISTING GRADE
- FPE - FINISHED FLOOR ELEVATION
- G - PROPOSED GRADE (GROUND)
- HP - HIGH POINT
- SW - SIDEWALK
- TC - TOP OF CURB
- TW - TOP OF WALL
- FS - FINISHED SURFACE

NATURAL GRADE TO BE PRESERVED WITHIN TREE ROOT ZONES

POND C DETENTION POND

CONCRETE TRICKLE CHANNEL

POND B WET POND

POND A WET POND

LANDLOK 450 TURF REINFORCEMENT OR APPROVED EQUAL

OUTLET STRUCTURE REF. SECTION H SHEET 68

INSTALL 571 SY OF (24 - 30") ROCK RIP-RAP WITH FILTER FABRIC MIN. D₁₅ = 12"

PRE-FORMED SCOUR HOLE 19' X 4' BOTTOM MIN. 2' DEPTH

GRADE TO DRAIN TO EXISTING STREAM @ MIN. 2% SLOPE

LIMITS OF EARTHWORK SHALL NOT ENCRUCH UPON JURISDICTIONAL WATERS

PRE-FORMED SCOUR HOLE WITH 9' X 6' BOTTOM AND ROCK RIP-RAP SURFACING MIN. 1' DEPTH MIN. D₁₅ = 12"

NOTES:

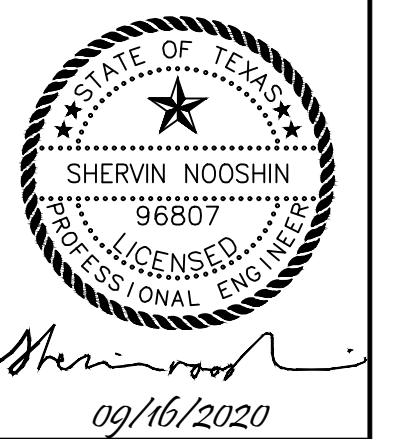
1. ALL POND BOTTOMS, SIDE SLOPES, AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO 95% MAXIMUM DENSITY, IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S RECOMMENDATION AND THE CITY OF LIBERTY HILL STANDARD SPECIFICATIONS. ALLOW ADEQUATE VOLUME FOR TOPSOIL TO SUPPORT VEGETATION.
2. GRADING WITHIN THE 1/2 CRITICAL 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 1/2 CRITICAL ROOT ZONE.
3. GRADING WORK WITHIN THE 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.
5. VEGETATE ALL DISTURBED AREAS PER CITY OF LIBERTY HILL SPECIFICATIONS.

P:\Main\14486\14486.dwg, 10/16/2020, 1:01 PM, gshahar

NO.	REVISION	BY	DATE



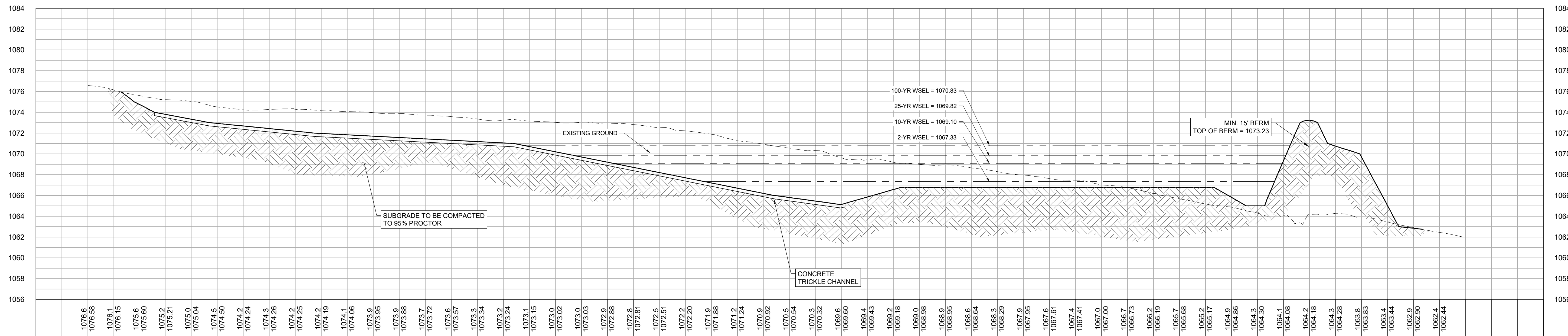
LAND DEV
 CONSULTING, LLC
 9508 HIGHWAY 290 WEST, SUITE 150
 AUSTIN, TX 78735
 OFFICE: 512.872.6696
 FAX: 512.872.6696



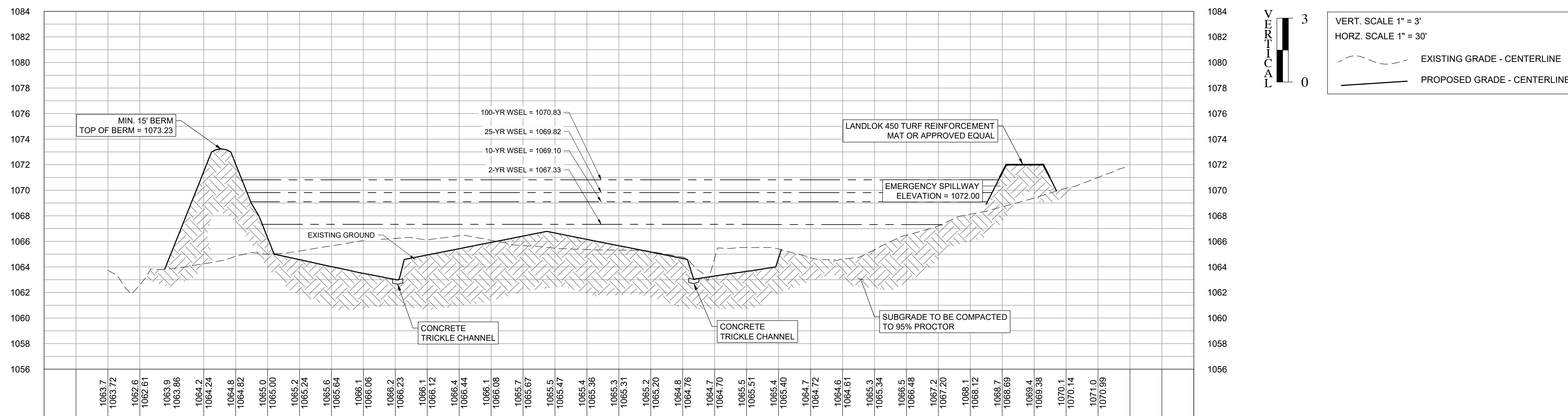
DETENTION POND C PLAN
BUTLER FARMS PHASE ONE
MAIN INFRASTRUCTURE
CONSTRUCTION PLANS
 LIBERTY HILL, TEXAS

DESIGNED BY: SN/MK/CP
 DRAWN BY: MK/GS/AA/CC
 CHECKED BY: SB/SB/SH
 APPROVED BY: JW

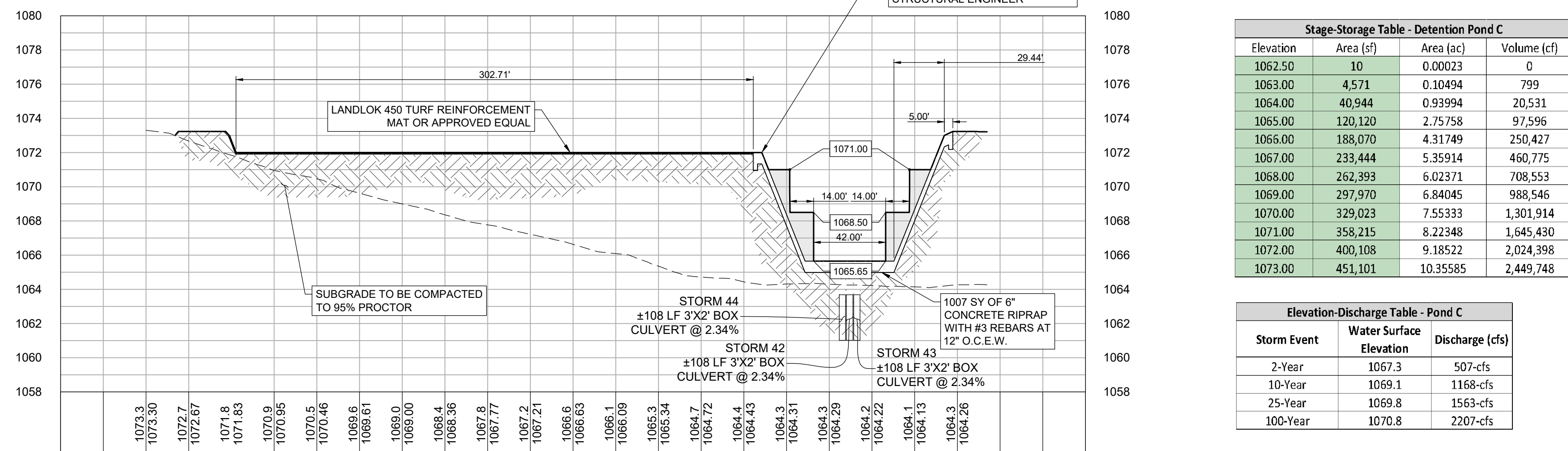
POND C SECTION G-G



POND C SECTION H-H



POND C SECTION I-I



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

LAND DEV
CONSULTING, LLC
5508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TX 78735
OFFICE: 512.872.6696
FAX: 512.872.6696

STATE OF TEXAS
SHERVIN MOUSHIN
LICENSED PROFESSIONAL ENGINEER
96807
09/16/2020

DESIGNED BY: BN/MK/EP
DRAWN BY: MK/GS/AA/CC
CHECKED BY: BG/BN/BH
APPROVED BY: JW

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

SHEET 67 OF 121

NO.	REVISION	BY	DATE
-----	----------	----	------

P:\Main\Autodesk\2020_Bldg\03_ACO\Drawings\POD C PLAN AND PROFILES.dwg, POND C SECTIONS DETAILS CALC. October 05, 2020, 1:01 PM, gshane

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



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.

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

Austin Headquarters: 512-239-1000 • tceq.texas.gov • How is our customer service? tceq.texas.gov/customersurvey

printed on recycled paper using vegetable based ink

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.

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

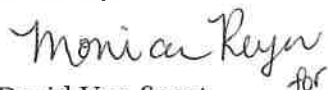
Mr. Kyle Smith
Page 4
June 4, 2021

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,



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.

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

Austin Headquarters: 512-239-1000 • tceq.texas.gov • How is our customer service? tceq.texas.gov/customerurvey

printed on recycled paper

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

Page 4

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

Page 4

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

		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		
		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
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
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

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: 08/17/2023

Signature of Customer/Agent:



Regulated Entity Name: Butler Farms Phase 5

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 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 the 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 9.61 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 = 0.60 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 = 9.61 Acres)
3. Installation of utilities including storm, water, and wastewater (Estimated area to be disturbed = 0.65 Acres).
4. Construction of street/driveway pavement including backfill behind curbs (estimated area to be disturbed = 1.36 Acres)
5. Construction (estimated area to be disturbed = 9.61 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, rock berm, 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 5 property is calculated below.

$$\begin{aligned} \text{Calculation: Required Volume} &= (\text{Rainfall Depth} * \text{Runoff Coefficient} * \text{Drainage Area} * 120\%) \\ &= 1.20 \text{ in.} * 0.36 * 9.61 \text{ acres} * 120\% \\ &= 18,084 \text{ cf} \end{aligned}$$

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 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: [REDACTED]
 - Name printed on Check: [REDACTED]
- If payment was made via ePay, provide the following:
 - Voucher Number: [REDACTED]
 - 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 [REDACTED]

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.)

JNC Development, Inc

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

Prefix (Mr. Ms. Miss): Mr.

First and Last Name: Nagesh Basnyat Suffix: [REDACTED]

Title: Land Development Manager Credentials: [REDACTED]

Phone Number: 915-855-1005 Fax Number: [REDACTED]

E-mail: nagesh@saratoga-homes.com

Mailing Address: 12300 Montwood Drive

City, State, and Zip Code: El Paso, Texas 79928

Mailing Information if outside USA:

Territory: [REDACTED]

Country Code: [REDACTED] Postal Code: [REDACTED]

d) Indicate the type of customer:

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

e) Is the applicant an independent operator? Yes No

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

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

0-20

251-500

21-100

501 or higher

101-250

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

State Franchise Tax ID Number: 32003147264

Federal Tax ID: [REDACTED]

Texas Secretary of State Charter (filing) Number: 0800772199

DUNS Number (if known): [REDACTED]

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: [REDACTED]

Title: Project Engineer Credential: P.E.

Organization Name: HR Green Development TX, LLC

Phone Number: 512-872-6696 Fax Number: [REDACTED]

E-mail: christine.campbell@hrgreen.com

Mailing Address: 5508 Highway 290 West, Suite 150

Internal Routing (Mail Code, Etc.): [REDACTED]

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

Mailing information if outside USA:

Territory: [REDACTED]

Country Code: [REDACTED] Postal Code: [REDACTED]

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 [REDACTED]

(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 5
- 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: 30.697353 Longitude: -97.964119
- 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 NW of Butler Farms Blvd and Lazy Mountain St; southeast of Butler Farms Phases 2, 3, & 4. Property ID R613519

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? 9.61

- f) Is the project part of a larger common plan of development or sale?
 Yes
 No. The total number of acres disturbed, provided in e) above, must be 5 or more. If the total number of acres disturbed is less than 5, do not submit this form. See the requirements in the general permit for small construction sites.
- g) What is the estimated start date of the project? 2024
- h) What is the estimated end date of the project? 2024
- i) Will concrete truck washout be performed at the site? Yes No
- j) What is the name of the first water body(ies) to receive the stormwater runoff or potential runoff from the site? South Fork San Gabriel River
- k) What is the segment number(s) of the classified water body(ies) that the discharge will eventually reach? 1250
- l) Is the discharge into a Municipal Separate Storm Sewer System (MS4)?
 Yes No

If Yes, provide the name of the MS4 operator:

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

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

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

SECTION 5. NOI CERTIFICATION

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

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

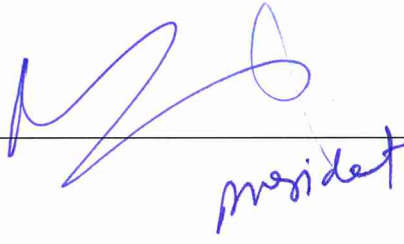
SECTION 6. APPLICANT CERTIFICATION SIGNATURE

Operator Signatory Name: Nagesh Basnyat

Operator Signatory Title: Land Development Manager

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: 08/17/2023

NOTICE OF INTENT CHECKLIST (TXR150000)

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

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

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

APPLICATION FEE

If paying by check:

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

If using ePay:

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

RENEWAL

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

OPERATOR INFORMATION

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

REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

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

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

GENERAL CHARACTERISTICS

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

CERTIFICATION

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

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

GENERAL INFORMATION

Where to Send the Notice of Intent (NOI):

By Regular Mail:

TCEQ

Stormwater Processing Center (MC228)

P.O. Box 13087

Austin, Texas 78711-3087

By Overnight or Express Mail:

TCEQ

Stormwater Processing Center (MC228)

12100 Park 35 Circle

Austin, TX

Application Fee:

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

Mailed Payments:

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

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

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

TCEQ Contact List:

Application – status and form questions:

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

Technical questions:

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

Environmental Law Division:

512-239-0600

Records Management - obtain copies of forms:

512-239-0900

Reports from databases (as available):

512-239-DATA (3282)

Cashier's office:

512-239-0357 or 512-239-0187

Notice of Intent Process:

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

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

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

or

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

General Permit (Your Permit)

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

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

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

Change in Operator

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

TCEQ Central Registry Core Data Form

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

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

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

INSTRUCTIONS FOR FILLING OUT THE NOI FORM

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

Section 1. OPERATOR (APPLICANT)

a) Customer Number (CN)

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

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

b) Legal Name of Applicant

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

c) Contact Information for the Applicant (Responsible Authority)

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

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

The phone number should provide contact to the applicant.

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

d) Type of Customer (Entity Type)

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

Individual

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

Partnership

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

Trust or Estate

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

Sole Proprietorship (DBA)

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

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

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

Corporation

A customer that meets all of these conditions:

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

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

Government

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

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

Other

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

e) Independent Entity

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

f) Number of Employees

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

g) Customer Business Tax and Filing Numbers

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

State Franchise Tax ID Number

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

Federal Tax ID

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

TX SOS Charter (filing) Number

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

DUNS Number

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

Section 2. APPLICATION CONTACT

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

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

a) Regulated Entity Number (RN)

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

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

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

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

b) Name of the Project or Site

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

c) Description of Activity Regulated

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

d) County

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

e) Latitude and Longitude

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

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

f) Site Address/Location

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

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

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

Section 4. GENERAL CHARACTERISTICS

a) Indian Country Lands

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

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

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

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

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

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

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

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

c) Primary Standard Industrial Classification (SIC) Code

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

Common SIC Codes related to construction activities include:

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

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

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

d) Secondary SIC Code

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

e) Total Number of Acres Disturbed

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

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

f) Common Plan of Development

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

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

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

g) Estimated Start Date of the Project

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

h) Estimated End Date of the Project

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

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

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

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

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

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

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

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

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

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

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

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

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

l) Discharge into MS4 – Identify the MS4 Operator

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

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

m) Discharges to the Edwards Aquifer Recharge Zone and Certification

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

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

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

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

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

Section 5. NOI CERTIFICATION

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

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

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

b) Certification of Legal Name

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

c) Understanding of Notice of Termination

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

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

d) Certification of Stormwater Pollution Prevention Plan

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

Section 6. APPLICANT CERTIFICATION SIGNATURE

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

If you are a corporation:

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

If you are a municipality or other government entity:

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

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

30 Texas Administrative Code

§305.44. Signatories to Applications

(a) All applications shall be signed as follows.

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

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

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

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

Texas Commission on Environmental Quality General Permit Payment Submittal Form

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

Instructions:

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

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

By Regular U.S. Mail

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

By Overnight or Express Mail

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

Fee Code: GPA General Permit: TXR150000

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

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

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

Project/Site (RE) Name:

Project/Site (RE) Physical Address:

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

SIGNATURE PAGE:

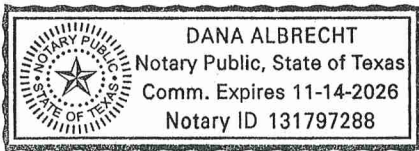
[Signature]
Applicant's Signature *resident*

08/17/2023
Date

THE STATE OF Texas §
County of El Paso §

BEFORE ME, the undersigned authority, on this day personally appeared Ngan Busuyat 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 17th day of August, 2023



[Signature]
NOTARY PUBLIC
Dana Albrecht
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 11-14-2026

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Butler Farms Phase 5

Regulated Entity Location: Located NW of Butler Farms Blvd and Lazy Mountain St; southeast of Butler Farms Phases 2, 3, & 4. Property ID R613519

Name of Customer: JNC Development, Inc

Contact Person: Nagesh Basnyat

Phone: 915-855-1005

Customer Reference Number (if issued): CN 602682221

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

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<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	9.61 Acres	\$ 3,000.00
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	\$
Extension of Time	Each	\$

Signature: Christa Campbell

Date: 08/17/2023

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

Project	Project Area in Acres	Fee
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

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
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

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 602682221		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information		<input type="checkbox"/> Change in Regulated Entity Ownership
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).				
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			If new Customer, enter previous Customer below:	
JNC Development, Inc				
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)	
0800772199	32003147264			
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:		
12. Number of Employees		13. Independently Owned and Operated?		
<input checked="" type="checkbox"/> 0-20 <input 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		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following:				
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator				
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:				
15. Mailing Address:	12300 Montwood Drive			
	City	El Paso	State	TX
	ZIP	79928	ZIP + 4	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)	
			nagesh@saratoga-homes.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)
(915) 855-1005				() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Butler Farms Phase 5	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	Located NW of Butler Farms Blvd and Lazy Mountain St; southeast of Butler Farms Phases 2, 3, & 4. Property ID R613519							
	City	Liberty Hill	State	TX	ZIP	78642	ZIP + 4	
24. County	Williamson County							
Enter Physical Location Description if no street address is provided.								
25. Description to Physical Location:	Located NW of Butler Farms Blvd and Lazy Mountain St; southeast of Butler Farms Phases 2, 3, & 4. Property ID R613519							
26. Nearest City	Liberty Hill				State	TX	Nearest ZIP Code	78642
27. Latitude (N) In Decimal:	30.697353			28. Longitude (W) In Decimal:	-97.964119			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	41	50.47N	97	57	50.83W			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)			
1521			236115					
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>								
Land Development - Single Family Residential								
34. Mailing Address:	12300 Montwood Drive							
	City	El Paso	State	TX	ZIP	79928	ZIP + 4	
35. E-Mail Address:	nagesh@saratoga-homes.com							
36. Telephone Number		37. Extension or Code			38. Fax Number <i>(if applicable)</i>			
(915) 855-1005					() -			

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


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

SECTION IV: Preparer Information

40. Name:	Christine Campbell	41. Title:	Project Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(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.

Company:	HR Green Development TX, LLC	Job Title:	Project Engineer
Name <i>(In Print)</i> :	Christine Campbell	Phone:	(512) 872-6696
Signature:		Date:	8/17/2023

FILED BY:
Texas Investors Title
116 Blanco Rd., Ste 101
Boerne, TX 78006

SPECIAL WARRANTY DEED

GF#: 20210042

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

THE STATE OF TEXAS

§

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF WILLIAMSON

§

THAT, 366 TX 29, LTD., a Texas limited partnership (*Grantor*), for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) cash and other consideration paid to Grantor, by **JNC DEVELOPMENT, INC.**, a Texas corporation (*Grantee*), the receipt and sufficiency of which are hereby acknowledged, has GRANTED, BARGAINED, SOLD AND CONVEYED, and by these presents hereby does GRANT, BARGAIN, SELL AND CONVEY unto Grantee that certain parcel of land (*Land*) situated in the County of Williamson, Texas, and more particularly described on Exhibit A attached hereto and made a part hereof for all purposes, together with Grantor's interest in (i) any and all improvements, rights and appurtenances belonging or pertaining thereto, (ii) any and all easements, leases, rights of way, rights of ingress or egress or other interests in any land, street or road abutting, adjoining or benefiting said Land, (iii) strips and gores, if any, between the Land and any abutting properties, and (iv) any land lying in or under the bed of any creek, stream or waterway across, abutting or adjacent to the Land, but specifically excluding all oil, gas and other minerals lying in, on or under the Land which have previously been severed from the Land (collectively, the '*Property*'). This conveyance is made and accepted subject to the matters set forth on Exhibit B attached hereto and made a part hereof for all purposes (*Permitted Exceptions*), to the extent the Permitted Exceptions are validly existing and applicable to the Property.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereto in anywise belonging, unto Grantee and its successors and assigns forever, and Grantor does hereby bind itself, its successors and assigns, to warrant and forever defend all and singular the Property unto Grantee and its successors and assigns, against every person whomsoever lawfully claiming or to claim the same, or any part thereof, by, through, or under Grantor, but not otherwise, subject, however, to the Permitted Exceptions, to the extent such Permitted Exceptions are valid and subsisting and affect the Property.

Taxes for the current year have been prorated to the date hereof and the payment of same is hereby assumed by Grantee.


GRANTOR HAS EXECUTED AND DELIVERED THIS DEED AND HAS CONVEYED THE PROPERTY AND GRANTEE HAS RECEIVED AND ACCEPTED THIS DEED AND HAS ACCEPTED THE PROPERTY "AS IS", "WHERE IS", AND "WITH ALL FAULTS" AND WITHOUT REPRESENTATIONS OR WARRANTIES WHATSOEVER, EXPRESS OR IMPLIED, WRITTEN OR ORAL, EXCEPT FOR THE WARRANTIES SET OUT IN THIS DEED.

EXECUTED as of the 10 day of February, 2021.

GRANTOR:

366 TX 29, LTD.,
a Texas limited partnership

By: MA Butler Farms, LLC
a Texas limited liability company,
its General Partner

By: 
Wyatt Henderson, Manager

THE STATE OF TEXAS

§
§
§

COUNTY OF DALLAS

This instrument was acknowledged before me on February 8th, 2021, by Wyatt Henderson, Manager of MA Butler Farms, LLC, a Texas limited liability company, General Partner of 366 TX 29, LTD, a Texas limited partnership, on behalf of such entity.

My Commission Expires:

08-28-2022

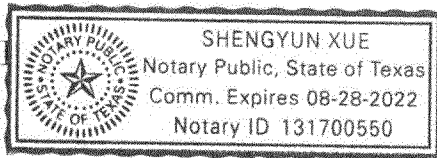


Notary Public in and for the State of Texas

SHENGYUN XUE

Typed or Printed Name of Notary

[SEAL]



ADDRESS OF GRANTEE:

JNC Development, Inc.
Attn: Carlos D. Bombach
12300 Montwood Dr.
El Paso, Texas 79928

Exhibit A**Real Property Legal Description**

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 I 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

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 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 ½-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 ½-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 ½-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,
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.

Exhibit B

PERMITTED EXCEPTIONS

1. Taxes for 2021 and subsequent years a lien not yet due and payable.
2. All leases, grants, exceptions or reservations of coal, lignite, oil, gas, and other minerals, together with all rights, privileges, and immunities relating thereto, appearing in the Public Records.
3. The restrictive covenants of record under Document No. 2021021763 Official Records, Williamson County, Texas.

**ELECTRONICALLY RECORDED
OFFICIAL PUBLIC RECORDS**

2021022152

Pages: 7 Fee: \$41.00
02/20/2021 10:23 AM



Nancy E. Rister

Nancy E. Rister, County Clerk
Williamson County, Texas

“EXHIBIT __”

DESCRIPTION OF 9.606 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 9.606 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 9.606 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 with a plastic cap stamped “RPLS 5025” found in the 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 a west corner of the said 366.455 acre tract, same being the southeast corner of a certain called 80.00 acre tract described in the deed to 3AM Ventures, LLC of record in Document No. 2016028473, Official Public Records of Williamson County, Texas;

THENCE N 17°41'29" E, leaving the northeast right-of-way line of said State Highway 29, crossing the said 546.33 acre tract, with a west line of the said 366.455 acre tract, with the east line of the said 80.00 acre tract, a distance of 1,532.18 feet to a ½-inch iron rod with a plastic cap stamped “RPLS 5025” found at an angle point in the east line of the said 80.00 acre tract and the west line of the said 366.455 acre tract;

THENCE N 41°37'38" E, leaving the east line of the said 80.00 acre tract, continuing across the said 546.33 acre tract, crossing the said 366.455 acre tract, a distance of 1,171.64 feet to a calculated point for the 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, north, east and south lines of the tract described herein, the following twenty-nine (29) 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. N 89°48'24" E, a distance of 175.24 feet to a calculated point of curvature,
5. with the arc of a curve to the left, having a radius of 15.00 feet, an arc distance of 23.56 feet, and a chord which bears N 44°48'24" E, a distance of 21.21 feet to a calculated point for a non-tangent end of curve,
6. N 89°48'24" E, a distance of 50.00 feet to a calculated point of non-tangent curvature,
7. with the arc of a curve to the left, having a radius of 15.00 feet, an arc distance of 23.56 feet, and a chord which bears S 45°11'36" E, a distance of 21.21 feet to a calculated point of tangency,
8. N 89°48'24" E, a distance of 102.00 feet to a calculated angle point,
9. N 00°09'18" E, a distance of 162.28 feet to a calculated angle point,
10. N 24°04'17" W, a distance of 255.69 feet to a calculated angle point,
11. N 27°53'46" W, a distance of 19.33 feet to a calculated angle point,
12. N 36°36'11" E, a distance of 54.09 feet to a calculated angle point,
13. N 55°50'28" E, a distance of 80.46 feet to a calculated angle point,
14. N 74°53'46" E, a distance of 127.94 feet to a calculated angle point,
15. N 85°19'25" E, a distance of 52.85 feet to a calculated angle point,

16. N 02°48'19" E, a distance of 126.49 feet to a calculated point of non-tangent curvature, from which a ½-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 a certain called 134.741 acre tract, 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 50°00'55" W, a distance of 945.96 feet,
17. with the arc of a curve to the right, having a radius of 975.00 feet, an arc distance of 105.01 feet, and a chord which bears N 88°21'24" E, a distance of 104.96 feet to a calculated point of compound curvature,
18. with the arc of a curve to the right, having a radius of 15.00 feet, an arc distance of 23.92 feet, and a chord which bears S 42°52'35" E, a distance of 21.46 feet to a calculated point for a non-tangent end of curve,
19. S 87°30'22" E, a distance of 50.00 feet to a calculated point of non-tangent curvature,
20. 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 47°48'19" E, a distance of 21.21 feet to a calculated point of tangency,
21. S 87°11'41" E, a distance of 106.50 feet to a calculated point of curvature,
22. 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,
23. S 02°48'19" W, a distance of 428.64 feet to a calculated point-of-curvature,
24. 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,
25. 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,
26. N 87°34'45" W, a distance of 224.16 feet to a calculated angle point,
27. N 78°12'05" W, a distance of 18.41 feet to a calculated point-of-curvature,
28. 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
29. S 89°48'24" W, a distance of 123.91 feet to the **POINT OF BEGINNING** and containing 9.606 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 6th day of January 2021 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



LAND DEV

CONSULTING, LLC
 5508 HIGHWAY 290 WEST, SUITE 150
 AUSTIN, TX 78735
 OFFICE: 512.872.6696
 TBPLS FIRM NO. 10194101

CALLED 134.741 ACRES
 (TRACT 1)
 DINAH BETH BROTHERS
 DOC. # 2008063553
 O.P.R.W.C.TX.

N 20°59'06" W 60.63'
 (N 21°03'25" E* 60.23')
 *SCRIVENER'S ERROR
 SHOULD BE N 21°03'25" W
 [S 19°20'25"E 60.36']

[S 71°01'31" W 1345.16']
 (N 69°23'55" E 1345.17')
 N 69°25'22" E 1345.22'

{N 04°02'05" W 774.14'}
 {S 02°22'20" E 774.09'}
 N 04°01'23" W 773.97'
 (N 04°00'06" W 773.69')

CALLLED 16.92 ACRES
 (TRACT 1)
 RACHAEL ELIZABETH OSTERLOH
 SPECIAL WARRANTY DEED
 DOC. # 2019064469
 O.P.R.W.C.TX.

5025
 [S 19°32'00" E 701.38']
 (N 21°08'56" W 701.38')
 N 21°07'37" W 701.44'
 L1
 5025
 L2

N 50°00'55" W
 945.96'

CALLLED 80.00 ACRES
 3AM VENTURES, LLC
 SPECIAL WARRANTY DEED
 DOC. # 2016028473
 O.P.R.W.C.TX.

{N 24°12'19" W 1219.52'}
 N 24°12'24" W 1219.67'
 [S 24°12'04" E 1219.67']

POINT OF BEGINNING



N 41°37'38" E
 1171.64'

JOHN B. BERRY SURVEY
 ABSTRACT NO. 56

PORTION OF
 CALLED 546.33 ACRES
 BUTLER FAMILY PARTNERSHIP, LTD.
 ADMINISTRATOR'S SPECIAL
 WARRANTY DEED
 DOC. # 2010087926
 O.P.R.W.C.TX.

DESCRIPTION OF A
 CALLED 366.455 ACRES
 PER DEED OF TRUST
 DOC. # 2020023667
 O.P.R.W.C.TX.

CALLLED 45.00 ACRES
 SARAJA, LLC
 DOC. # 2015108887
 O.P.R.W.C.TX.

POINT OF COMMENCEMENT

5025
 STATE HIGHWAY 29
 RIGHT-OF-WAY
 VARIES

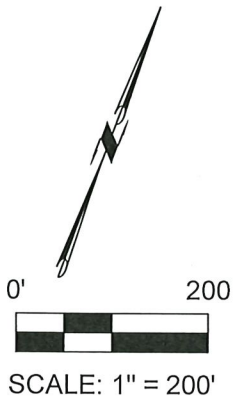
{S 17°41'21" W 1532.09'}
 N 17°41'29" E 1532.18'
 {N 17°41'20" E 1532.07'}



SURVEY SKETCH to Accompany Description:

9.606 ACRES
 JOHN B. BERRY SURVEY, ABSTRACT No. 56
 WILLIAMSON COUNTY, TEXAS

CALLED 134.741 ACRES
(TRACT 1)
DINAH BETH BROTHERS
DOC. # 2008063553
O.P.R.W.C.TX.



PORTION OF
CALLED 546.33 ACRES
BUTLER FAMILY PARTNERSHIP, LTD.
ADMINISTRATOR'S SPECIAL
WARRANTY DEED
DOC. # 2010087926
O.P.R.W.C.TX.

DESCRIPTION OF A
CALLED 366.455 ACRES
PER DEED OF TRUST
DOC. # 2020023667
O.P.R.W.C.TX.

9.606 ACRES

JOHN B. BERRY SURVEY
ABSTRACT NO. 56

POINT OF
BEGINNING

PAGE 4 OF 5
FILE No. 1389

LANDDEV

CONSULTING, LLC
5508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TX 78735
OFFICE: 512.872.6696
TBPLS FIRM NO. 10194101

SURVEY SKETCH to Accompany Description:

9.606 ACRES
JOHN B. BERRY SURVEY, ABSTRACT No. 56
WILLIAMSON COUNTY, TEXAS

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C1	15.00'	23.56'	90°00'00"	N 44°48'24" E	21.21'
C2	15.00'	23.56'	90°00'00"	S 45°11'36" E	21.21'
C3	975.00'	105.01'	6°10'15"	N 88°21'24" E	104.96'
C4	15.00'	23.92'	91°21'47"	S 42°52'35" E	21.46'
C5	15.00'	23.56'	90°00'00"	N 47°48'19" E	21.21'
C6	13.50'	21.21'	90°00'00"	S 42°11'41" E	19.09'
C7	435.00'	653.70'	86°06'06"	S 45°51'22" W	593.90'
C8	187.00'	11.47'	3°30'50"	N 89°20'10" W	11.47'
C9	216.00'	9.86'	2°36'51"	N 88°53'10" W	9.85'



CONSULTING, LLC
 5508 HIGHWAY 290 WEST, SUITE 150
 AUSTIN, TX 78735
 OFFICE: 512.872.6696
 TBPLS FIRM NO. 10194101

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 69°42'54" E	55.32'
L2	N 70°06'23" E	49.81'
L3	N 00°11'36" W	132.00'
L4	N 89°48'24" E	5.03'
L5	N 00°11'36" W	50.00'
L6	N 89°48'24" E	175.24'
L7	N 89°48'24" E	50.00'
L8	N 89°48'24" E	102.00'
L9	N 00°09'18" E	162.28'
L10	N 24°04'17" W	255.69'
L11	N 27°53'46" W	19.33'
L12	N 36°36'11" E	54.09'
L13	N 55°50'28" E	80.46'
L14	N 74°53'46" E	127.94'
L15	N 85°19'25" E	52.85'
L16	N 02°48'19" E	126.49'
L17	S 87°30'22" E	50.00'
L18	S 87°11'41" E	106.50'
L19	S 02°48'19" W	428.64'
L20	N 87°34'45" W	224.16'
L21	N 78°12'05" W	18.41'
L22	S 89°48'24" W	123.91'

LEGEND

- 1/2" IRON ROD FOUND (OR AS NOTED)
- 5025 ● 1/2" IRON ROD WITH PLASTIC CAP STAMPED "RPLS 5025" FOUND
- △ CALCULATED POINT
- O.P.R.W.C.TX. OFFICIAL PUBLIC RECORDS WILLIAMSON COUNTY, TEXAS
- () RECORD INFORMATION PER DOC. # 2010087926, OFFICIAL PUBLIC RECORDS WILLIAMSON COUNTY, TEXAS
- { } RECORD INFORMATION PER DOC. # 2020023667, OFFICIAL PUBLIC RECORDS WILLIAMSON COUNTY, TEXAS
- [] ADJOINER INFORMATION

NOTES:

1. BEARING BASIS IS TEXAS COORDINATE SYSTEM, CENTRAL ZONE, NAD83, GRID.
2. DISTANCES SHOWN HEREON ARE BASED ON SURFACE MEASUREMENTS, TO CONVERT SURFACE DISTANCES TO GRID, MULTIPLY BY THE COMBINED SCALE FACTOR.
3. THE COMBINED SCALE FACTOR FOR THIS PROJECT IS 0.999846.

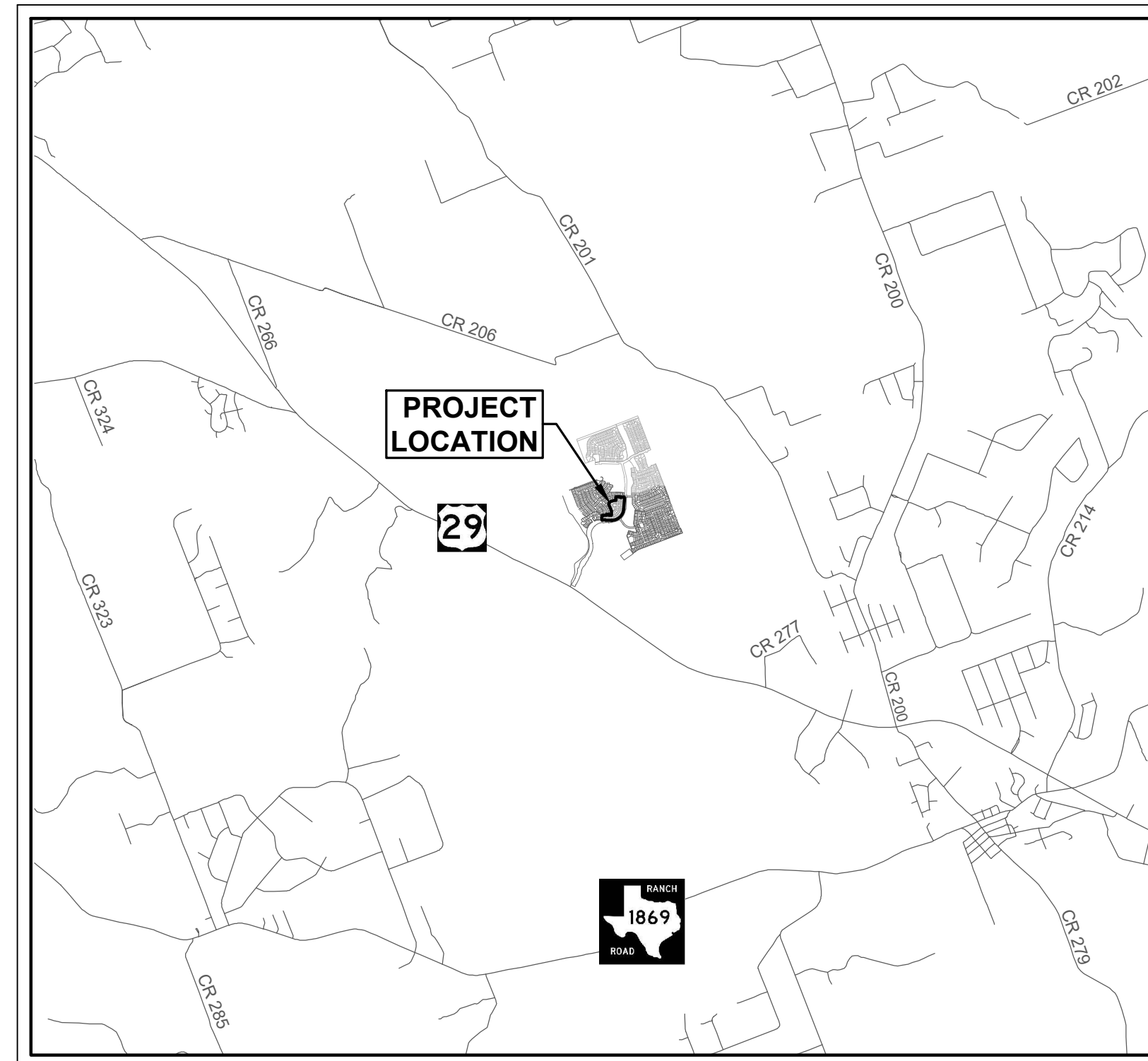
SURVEY SKETCH to Accompany Description:

9.606 ACRES
 JOHN B. BERRY SURVEY, ABSTRACT No. 56
 WILLIAMSON COUNTY, TEXAS

CONSTRUCTION PLAN FOR BUTLER FARMS PHASE 5

CITY OF LIBERTY HILL, TEXAS

INITIAL SUBMITTAL:
JULY 31, 2023



VICINITY MAP
1" = 5,000'

LEGAL DESCRIPTION

9.606 ACRES OF LAND IN THE JOHN B. BERRY SURVEY, ABSTRACT NO. 56, IN WILLIAMSON COUNTY, TEXAS; BEING A PORTION OF A CERTAIN CALLED 45.954 ACRE TRACT OF LAND DESCRIBED IN THE SPECIAL WARRANTY DEED TO JNC DEVELOPMENT, INC. OF RECORD IN DOCUMENT NO. 2021022152, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS

ENGINEER: **HR GREEN DEVELOPMENT TX, LLC**
5508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TX 78735
(512) 872-6696

SURVEYOR: **HR GREEN DEVELOPMENT TX, LLC**
5508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TX 78735
(512) 872-6696

OWNER: **JNC DEVELOPMENT, INC**
12300 MONTWOOD DR
EL PASO, TX 79928
(972) 715-6450

PLANNER: **SEC PLANNING, LLC**
4201 W PARMER LANE, SUITE 220
AUSTIN, TX 78727
(512) 246-7003

WATERSHED STATUS:

THIS SITE IS LOCATED IN THE SOUTH FORK OF THE SAN GABRIEL RIVER WATERSHED. THIS SITE IS LOCATED OVER THE EDWARDS AQUIFER CONTRIBUTING ZONE.

FLOODPLAIN INFORMATION:

THIS PROPERTY IS LOCATED WITHIN ZONE 'X'. AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON F.I.R.M. PANEL NO. 48491C 0250E, WILLIAMSON COUNTY, TEXAS DATED SEPTEMBER 26, 2008.

THIS FLOOD STATEMENT DOES NOT IMPLY THAT THE PROPERTY AND/OR THE STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

BENCHMARK:

DATUM: NAVD 88
BENCHMARK ELEVATIONS LISTED BELOW ARE BASED UPON DATA PROVIDED BY 4WARD LAND SURVEYING AND SHOWN ON 4WARD'S BOUNDARY SURVEY OF THE 366.4641 ACRE PORTION OF LAND OUT OF THE BUTLER FAMILY PARTNERSHIP, LTD. 546.33 ACRE TRACT. THE SURVEY WAS SIGNED AND SEALED JULY 13, 2018. THE BENCHMARKS LISTED BELOW, ALSO WERE SURVEYED AND VERIFIED BY LANDDEV, NOW HR GREEN DEVELOPMENT, TX DURING MARCH 2021.

BM:1389_2 (SAME AS 4WARD CONTROL POINT #1)
1/2-INCH IROD ROD WITH PLASTIC CAP STAMPED "4WARD" FOUND ALONG THE SOUTH RIGHT-OF-WAY LINE OF STATE HIGHWAY 29, APPROXIMATELY 167 FEET SOUTHWEST OF THE INTERSECTING NORTH RIGHT-OF-WAY LINE OF STATE HIGHWAY 29 AND THE WEST RIGHT-OF-WAY LINE OF BUTLER FARMS BLVD.
GRID NORTHING 10,222,373.21 (SURFACE NORTHING 10,222,373.21)
GRID EASTING 3,039,364.69 (SURFACE EASTING 3,039,364.69)
ELEVATION = 1051.74' (4WARD ELEV=1051.74')

BM:1389_3:
1/2-INCH IROD ROD WITH PLASTIC CAP STAMPED "4WARD" FOUND ALONG THE NORTH RIGHT-OF-WAY LINE OF STATE HIGHWAY 29, APPROXIMATELY 626 FEET WEST OF THE INTERSECTING NORTH RIGHT-OF-WAY LINE OF STATE HIGHWAY 29 AND THE WEST RIGHT-OF-WAY LINE OF BUTLER FARMS BLVD.
GRID NORTHING 10,222,741.78 (SURFACE NORTHING 10,222,741.84)
GRID EASTING 3,038,864.57 (SURFACE EASTING 3,038,864.50)
ELEVATION = 1058.70'

BM:1389_51:
"SQUARE" CUT ON CONCRETE HEADWALL FOUND ALONG NORTH SIDE OF STATE HIGHWAY 29, APPROXIMATELY 157 FEET SOUTHEAST OF THE INTERSECTING NORTH RIGHT-OF-WAY LINE OF STATE HIGHWAY 29 AND THE EAST RIGHT-OF-WAY LINE OF BUTLER FARMS BLVD.
GRID NORTHING 10,222,301.24 (SURFACE NORTHING 10,222,301.23)
GRID EASTING 3,039,665.13 (SURFACE EASTING 3,039,665.18)
ELEVATION = 1044.02'

TCEQ:

TCEQ WWPR SYSTEM LOG NO. _____ (PENDING)
TCEQ WATER PLAN REVIEW LOG NO. _____ (PENDING)

REVISIONS

NUMBER	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NO.'S	SHEETS IN PLAN SET	CITY OF LIBERTY HILL APPROVAL SIGNATURE, DATE

LIMITATION OF LIABILITY - HR GREEN DEVELOPMENT TX, LLC ASSUMES NO LIABILITY FOR ANY DESIGN OR DRAWINGS IN THESE PLANS, THAT ARE NOT SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED WITH THE TEXAS BOARD OF PROFESSIONAL ENGINEERS AS A MEMBER OF THIS FIRM (#F-16384). OTHER CONSULTANTS' WORK SHOWN IN THESE PLANS IS THE RESPONSIBILITY OF THE CONSULTANT WHO PREPARED SUCH WORK, AND IS INCLUDED IN THIS PLAN SET FOR REVIEW REQUIREMENTS ONLY.

SHEET LIST TABLE

SHEET NO.	SHEET TITLE
1	COVER
2	GENERAL NOTES
3	EXISTING CONDITIONS
4	EROSION AND SEDIMENTATION CONTROL PLAN
5	EROSION CONTROL DETAILS
6	OVERALL PAVING AND GRADING PLAN
7	DOVE CREST LANE PLAN & PROFILE STA 1+00 - 8+00
8	DOVE CREST LANE PLAN & PROFILE STA 8+00 - END
9	BLASTED ROCK COVE PLAN & PROFILE STA 1+00 - END
10	BLASTED ROCK COVE CUL-DE-SAC PLAN & PROFILE
11	INTERSECTION DETAILS
12	PAVING DETAILS
13	STRIPING, SIGNAGE, SLEEVING, AND STREET LIGHTING PLAN
14	STRIPING AND SIGNAGE DETAILS
15	STREET LIGHTING DETAILS
16	EXISTING DRAINAGE AREA MAP
17	ULTIMATE DRAINAGE AREA MAP
18	INLET DRAINAGE AREA MAP
19	INLET CALCULATIONS
20	OVERALL STORM SEWER PLAN
21	STORM A1 PLAN & PROFILE STA 1+00 - END
22	STORM A2 PLAN & PROFILE STA 1+00 - END
23	STORM LAT A2-1 - A2-2 PLAN & PROFILES
24	STORM A3, LAT C1-1 PLAN & PROFILES
25	DRAINAGE DETAILS
26	OVERALL WASTEWATER PLAN
27	WW A PLAN & PROFILE STA 1+00 - END
28	WW B PLAN & PROFILE STA 1+00 - END
29	WW C PLAN & PROFILE STA 1+00 - END
30	WW D PLAN & PROFILE STA 1+00 - END
31	WASTEWATER DETAILS
32	OVERALL WATER PLAN
33	WL A PLAN & PROFILE STA 1+00 - 8+00
34	WL A PLAN & PROFILE STA 8+00 - END
35	WL B PLAN & PROFILE STA 1+00 - END
36	WL C PLAN & PROFILE STA 1+00 - END
37	WATER DETAILS SHEET 1 OF 2
38	WATER DETAILS SHEET 2 OF 2



5508 HIGHWAY 290 W
SUITE 150
AUSTIN, TX 78735
PHONE: 512.872.6696
HRGreen.com
TBPE NO: 16384
TBPLS NO: 10194101

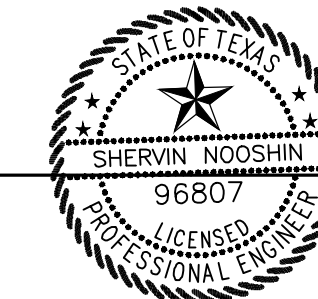


COVER
BUTLER FARMS
PHASE 5
LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAIN WITH THE ENGINEER WHO PREPARED THEM. IN APPROVING THESE PLANS, THE CITY OF LIBERTY HILL MUST REPLY UPON THE ADEQUACY OF THE DESIGN ENGINEER. THE PLANS WERE PREPARED IN ACCORDANCE WITH CITY OF LIBERTY HILL REGULATIONS.

SUBMITTED BY :

Sherwin Nooshin
SHERVIN NOOSHIN, P.E.
REGISTERED PROFESSIONAL ENGINEER NO. 96807
HR GREEN DEVELOPMENT TX, LLC
5508 HIGHWAY 290 WEST, SUITE 150
AUSTIN, TEXAS 78735
(512) 872-6696



DATE 07/31/2023

APPROVED AND ACCEPTANCE:

CURTIS STEGER, P.E., CITY ENGINEER
CITY OF LIBERTY HILL

DATE

JERRY L. MILLARD, JR., DIRECTOR OF PLANNING
CITY OF LIBERTY HILL

DATE

DESIGNED BY: MV / CC
DRAWN BY: MV / MM
CHECKED BY: CC / SN
APPROVED BY: SN

SHEET **1** OF **38**

Date: 07/31/2023 10:00 AM; Location: P:\Main\Aerial\2023\BUTLER\SECTION 503_Aerial\2023\BUTLER\SECTION 503_Aerial.dwg; User: mvaughan; July 31, 2023
 File Path: P:\Main\Aerial\2023\BUTLER\SECTION 503_Aerial\2023\BUTLER\SECTION 503_Aerial.dwg; Last Saved By: mvaughan; July 31, 2023
 ALL PROJECT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, PLANS AND SPECIFICATIONS, PREPARED BY HRGREEN DEVELOPMENT, L.L.C. UNDER THIS PROJECT ARE INTENDED FOR USE ON THIS PROJECT ONLY. ANY REUSE, WITHOUT SPECIFIC WRITTEN PERMISSION OR ADOPTION BY HRGREEN DEVELOPMENT, L.L.C. SHALL BE AT THE CLIENT'S SOLE RISK, AND CLIENT SHALL DEFEND, INDEMNIFY AND HOLD HRGREEN DEVELOPMENT, L.L.C. HARMLESS FROM ALL CLAIMS, DAMAGES AND EXPENSES INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.

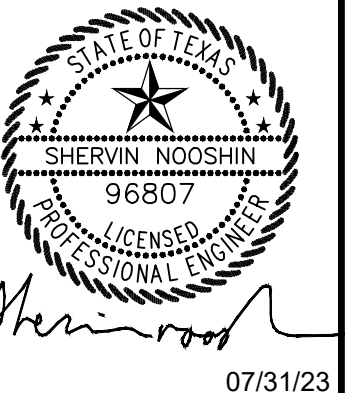


NO.	REVISION	BY	DATE



Know what's below.
Call before you dig.

5508 HIGHWAY 290 W
SUITE 150
AUSTIN, TX 78735
PHONE: 512.872.6696
HRGreen.com
TBPE NO: 16384
TBLPLS NO: 10194101



07/31/23

INLET DRAINAGE AREA MAP
BUTLER FARMS
PHASE 5
LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

DESIGNED BY: MV / CC
DRAWN BY: MV / MM
CHECKED BY: CC / SN
APPROVED BY: SN

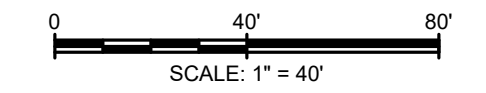
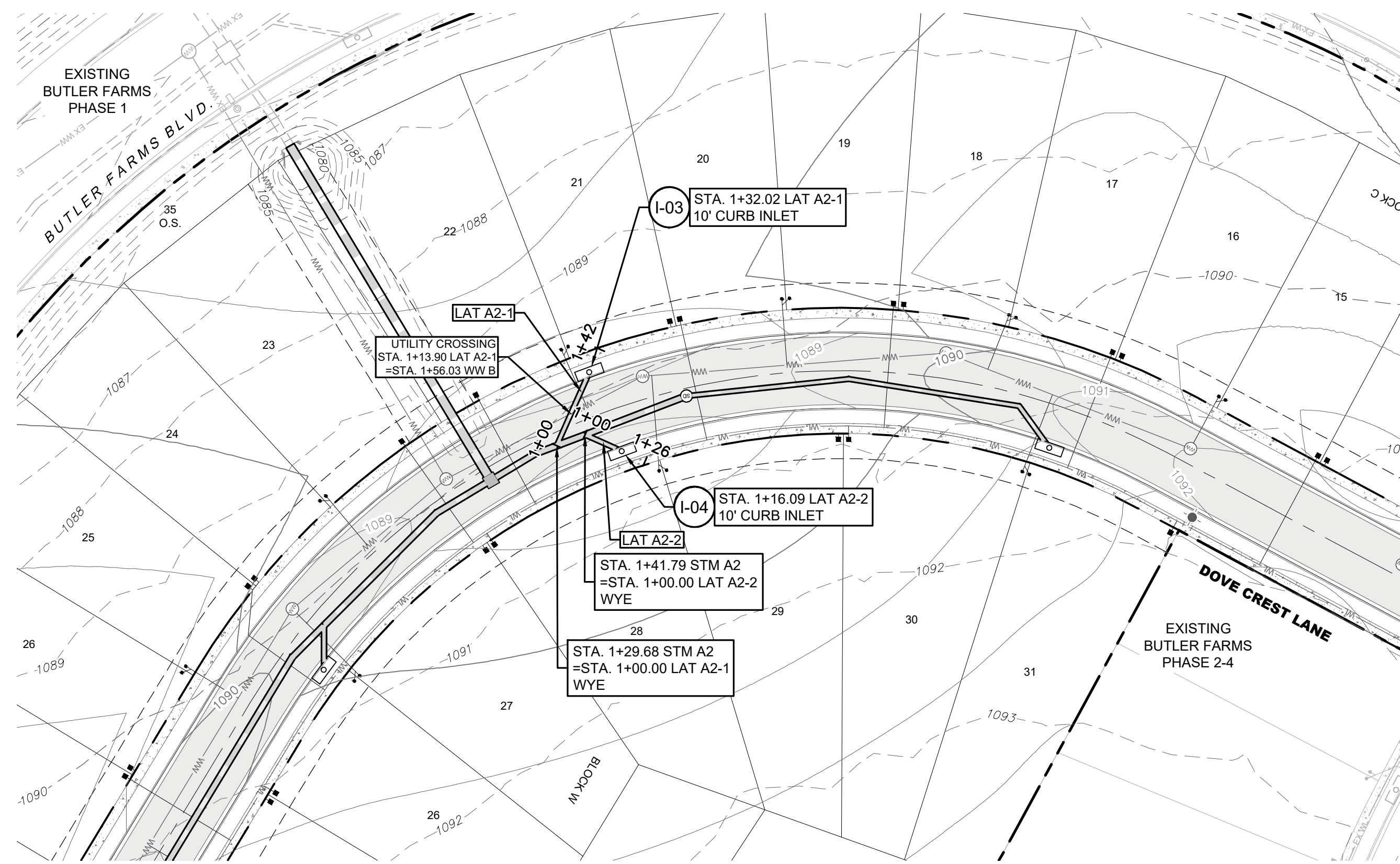
BUTLER FARMS PHASE 5 INFRASTRUCTURE RATIONAL METHOD FLOW CALCULATIONS FOR STORM INLETS														BUTLER FARMS PHASE 5 INFRASTRUCTURE TIME OF CONCENTRATION CALCULATIONS																								
BASIN LABEL	INLET LABEL	INLET TYPE*	AREA (SQ FT)	AREA (AC)	IMPERVIOUS (SF)	IMPERVIOUS (OTHER) (SF)	IMPERVIOUS %	PERVIOUS %	TC (MIN)	2-YR				10-YR				25-YR				100-YR				Contributing Area	Sheet Flow				Shallow Concentrated Flow (Unpaved)				Gutter Flow			
										C	I	Q	T _c	C	I	Q	T _c	C	I	Q	T _c	C	I	Q	T _c		Length (ft)	Slope (ft/ft)	Roughness Coefficient	T _{sheet}	Length (ft)	Slope (ft/ft)	T _{unpaved}	Length (ft)	Velocity (ft/s)	T _{paved}		
501	I-02	CGRD	34,503	0.79	16000	4632	60%	40%	9	0.58	5.07	2.33	0.63	7.56	3.78	0.70	9.21	5.07	0.78	11.99	7.38	501	50	0.02	0.24	7.91	98	0.02	0.72	174	6	0.06						
502	I-07	CGRD	31,808	0.73	6400	3881	32%	68%	9	0.47	5.07	1.72	0.52	7.56	2.85	0.57	9.21	3.82	0.65	11.99	5.65	502	50	0.02	0.24	7.91	154	0.02	1.12	88	6	0.03						
503	I-06	CGRD	40,202	0.92	6400	6555	32%	68%	9	0.47	5.07	2.18	0.52	7.56	3.60	0.57	9.21	4.83	0.64	11.99	7.13	503	50	0.02	0.24	7.91	208	0.02	1.52	179	6	0.06						
504	I-01	CGRD	29,346	0.67	9600	8096	60%	40%	9	0.58	5.07	1.99	0.63	7.56	3.23	0.70	9.21	4.33	0.78	11.99	6.30	504	50	0.02	0.24	7.91	95	0.02	0.69	54	6	0.02						
505	I-03	CSAG	38,224	0.88	8200	18405	70%	30%	5	0.62	6.12	3.34	0.67	9.08	5.36	0.74	11.10	7.21	0.82	14.30	10.34	505						0.00				0.00						
506	I-04	CSAG	48,896	1.12	17600	6429	49%	51%	9	0.54	5.07	3.05	0.59	7.56	4.98	0.65	9.21	6.68	0.73	11.99	9.77	506	50	0.02	0.24	7.91	156	0.02	1.14	15	6	0.04						
507	I-05	CGRD	32,150	0.74	8000	2352	32%	68%	10	0.47	4.88	1.68	0.52	7.26	2.76	0.57	8.84	3.71	0.64	11.50	5.47	507	50	0.02	0.24	7.91	249	0.02	1.82	62	6	0.17						
508	I-08	CGRD	31,857	0.73	1600	7261	28%	72%	9	0.45	5.07	1.66	0.50	7.56	2.75	0.55	9.21	3.69	0.62	11.99	5.47	508	50	0.02	0.24	7.91	212	0.02	1.55	0	6	0.00						
102	I-A2	CGRD	33,017	0.76	13000	7197	61%	39%	9	0.59	5.07	2.26	0.64	7.56	3.65	0.70	9.21	4.90	0.78	11.99	7.12	102	50	0.02	0.24	7.91	95	0.02	0.69	179	6	0.50						
103	I-A1	CGRD	47,121	1.08	15400	10472	55%	45%	9	0.56	5.07	3.07	0.61	7.56	4.99	0.67	9.21	6.70	0.75	11.99	9.77	103	50	0.02	0.24	7.91	103	0.02	0.75	303	6	0.84						
204	O17	CGRD	25,094	0.58	4600	11695	65%	35%	5	0.60	6.12	2.13	0.65	9.08	3.41	0.72	11.10	4.60	0.80	14.30	6.60	204						0.00				0.00						
205	O18	CGRD	41,001	0.94	8000	8909	41%	59%	9	0.50	5.07	2.40	0.55	7.56	3.93	0.61	9.21	5.28	0.69	11.99	7.75	205	50	0.02	0.24	7.91	112	0.02	0.82	197	6	0.55						
402	I-B3	CGRD	27,709	0.64	8400	4928	48%	52%	9	0.53	5.07	1.72	0.58	7.56	2.80	0.64	9.21	3.76	0.72	11.99	5.50	402	50	0.02	0.24	7.91	109	0.02	0.80	135	6	0.38						
403	I-B1	CSAG	61,157	1.40	16800	13302	49%	51%	9	0.54	5.07	3.82	0.59	7.56	6.23	0.65	9.21	8.36	0.73	11.99	12.23	403	50	0.02	0.24	7.91	101	0.02	0.74	202	6	0.56						
404	I-B4	CGRD	36,033	0.83	14000	6745	58%	42%	9	0.57	5.07	2.40	0.62	7.56	3.89	0.68	9.21	5.22	0.77	11.99	7.60	404	50	0.02	0.24	7.91	98	0.02	0.72	174	6	0.48						
405	I-B5	CGRD	37,581	0.86	11200	10608	58%	42%	9	0.57	5.07	2.51	0.62	7.56	4.07	0.69	9.21	5.46	0.77	11.99	7.95	405	50	0.02	0.24	7.91	100	0.02	0.73	140	6	0.39						

Curb Inlets On Grade Calculation Summary: 25 year																											
Drainage Area No.	Inlet No.	Q ₂₅ (cfs)	Q _{pass} (cfs)	Q _{total} (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 _{pass} (cfs)	% Captured	Bypass to Inlet	Flow Captured by Inlet (cfs)	
501	I-02	5.07	0.00	5.07	1.20%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.51	0.82	0.42	0.87	10.00	8.66		100%	I-01	5.07	
502	I-07	3.82	0.00	3.82	1.40%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.36	0.0667	0.0022	7.09	0.78	0.42	0.82	10.00	8.17		100%	I-01	3.82	
503	I-06	4.83	0.00	4.83	1.40%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.39	0.0667	0.0022	7.96	0.81	0.42	0.85	10.00	8.48		100%	I-01	4.83	
504	I-01	4.33	0.00	4.33	1.30%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.38	0.0667	0.0022	7.67	0.80	0.42	0.84	10.00	8.38		100%	I-04	4.33	
507	I-05	3.71	0.00	3.71	2.00%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.34	0.0667	0.0022	6.43	0.75	0.42	0.79	10.00	7.91		100%	I-04	3.71	
508	I-08	3.69	0.00	3.69	1.20%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.37	0.0667	0.0022	7.24	0.78	0.42	0.82	10.00	8.22		100%	O18	3.69	
102	I-A2	4.90	0.00	4.90	1.50%	0.016	0.560	28.00	0.500	0.42	2.85	0.50	3.03	0.39	0.0714	0.0026	7.35	0.80	0.42	0.84	10.00	8.45		100%		4.90	
103	I-A1	6.70	0.00	6.70	1.10%	0.016	0.560	28.00	0.500	0.42	2.85	0.50	3.03	0.45	0.0714	0.0026	9.67	0.87	0.42	0.92	10.00	9.16		100%	I-A2	6.70	
204	O17	4.60	0.00	4.60	1.80%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.37	0.0667	0.0022	7.29	0.78	0.42	0.82	10.00	8.24		100%		4.60	
205	O18	5.28	0.00	5.28	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.39	0.0667	0.0022	8.05	0.81	0.42	0.85	10.00	8.51		100%		5.28	
402	I-B3	3.76	0.00	3.76	1.00%	0.016	0.560	47.00	0.500	0.42	2.84	0.50	2.83	0.36	0.0426	0.0009	10.94	0.77	0.42	0.81	10.00	8.13		100%	I-B1	3.76	
404	I-B4	5.22	0.00	5.22	1.20%	0.016	0.560	47.00	0.500	0.42	2.84	0.50	2.83	0.39	0.0426	0.0009	12.40	0.81	0.42	0.85	10.00	8.46		100%	I-B1	5.22	
405	I-B5	5.46	0.00	5.46	1.20%	0.016	0.560	47.00	0.500	0.42	2.84	0.50	2.83	0.39	0.0426	0.0009	12.72	0.81	0.42	0.85	10.00	8.53		100%	I-B4	5.46	

Curb Inlets On Grade Calculation Summary: 100 year																											
Drainage Area No.	Inlet No.	Q ₁₀₀ (cfs)	Q _{pass} (cfs)	Q _{total} (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 _{pass} (cfs)	% Captured	Bypass to Inlet	Flow Captured by Inlet (cfs)	
501	I-02	7.38	0.00	7.38	1.20%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.46	0.0667	0.0022	10.76	0.88	0.42	0.92	10.00	9.25		100%	I-01	7.38	
502	I-07	5.65	0.00	5.65	1.40%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.66	0.83	0.42	0.87	10.00	8.70		100%	I-01	5.65	
503	I-06	7.13	0.00	7.13	1.40%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.44	0.0667	0.0022	9.96	0.86	0.42	0.91	10.00	9.06		100%	I-01	7.13	
504	I-01	6.30	0.00	6.30	1.30%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.43	0.0667	0.0022	9.42	0.85	0.42	0.89	10.00	8.92		100%	I-04	6.30	
507	I-05	5.47	0.00	5.47	2.00%	0.016	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-04	5.47	
508	I-08	5.47	0.00	5.47	1.20%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.42	0.0667	0.0022	8.88	0.83	0.42	0.88	10.00	8.77		100%	O18	5.47	
102	I-A2	7.12	0.08	7.20	1.50%	0.016	0.560	28.00	0.500	0.42	2.85	0.50	3.03	0.44	0.0714	0.0026	9.15	0.86	0.42	0.90	10.00	9.02		100%		7.20	
103	I-A1	9.77	0.00	9.77	1.10%	0.016	0.560	28.00	0.500	0.42	2.85	0.50	3.03	0.45	0.0714	0.0026	14.00	0.92	0.42	0.97	10.00	9.69	0.08	99%	I-A2	9.69	
204	O17	6.60	0.00	6.60	1.80%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.41	0.0667	0.0022	8.81	0.83	0.42	0.87	10.00	8.75		100%		6.60	
205	O18	7.75	0.00	7.75	1.60%	0.016	0.560	30.00	0.500	0.42	2.85	0.50	3.03	0.45	0.0667	0.0022	10.07	0.86	0.42	0.91	10.00	9.09		100%		7.75	
402	I-B3	5.50	0.00	5.50	1.00%	0.016	0.560	47.00	0.500	0.42	2.84	0.50	2.83	0.41	0.0426	0.0009	13.46	0.83	0.42	0.87	10.00	8.68		100%	I-B1	5.50	
404	I-B4	7.60	0.00	7.60	1.20%	0.016	0.560	47.00	0.500	0.42	2.84	0.50	2.83	0.44	0.0426	0.0009	15.61	0.86	0.42	0.91	10.00	9.06		100%	I-B1	7.60	
405	I-B5	7.95	0.00	7.95	1.20%	0.016	0.560	47.00	0.500	0.42	2.84	0.50	2.83	0.45	0.0426	0.0009	16.13	0.87	0.42	0.91	10.00	9.14		100%	I-B4	7.95	

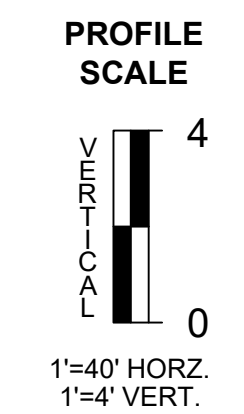
Curb Inlets in Sump Calculation Summary: 25 year																
Drainage Area No.	Inlet No.	Q ₂₅ (cfs)	Q _{pass} (cfs)	Q<												

Date: 07/31/2023 Location: P:\Main\Amenities\017001_Butler\SECTION 030_ACA02\01\01\Butler_Civil\DWG - Butler Farms Phase 5.dwg
 File Path: P:\Main\Amenities\017001_Butler\SECTION 030_ACA02\01\01\Butler_Civil\DWG - Butler Farms Phase 5.dwg
 All project documents including, but not limited to, plans and specifications furnished by HRGreenDevelopment LLC under this project are intended for use on this project only. Any reuse, without specific written verification or approval by HRGreenDevelopment 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 attorneys' fees arising out of or resulting therefrom.



LEGEND

- 8.34 --- EXISTING MINOR CONTOUR
- 8.35 --- EXISTING MAJOR CONTOUR
- 8.34 --- PROPOSED MINOR CONTOUR
- 8.35 --- PROPOSED MAJOR CONTOUR
- BOUNDARY
- EASEMENT
- 100YR --- 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



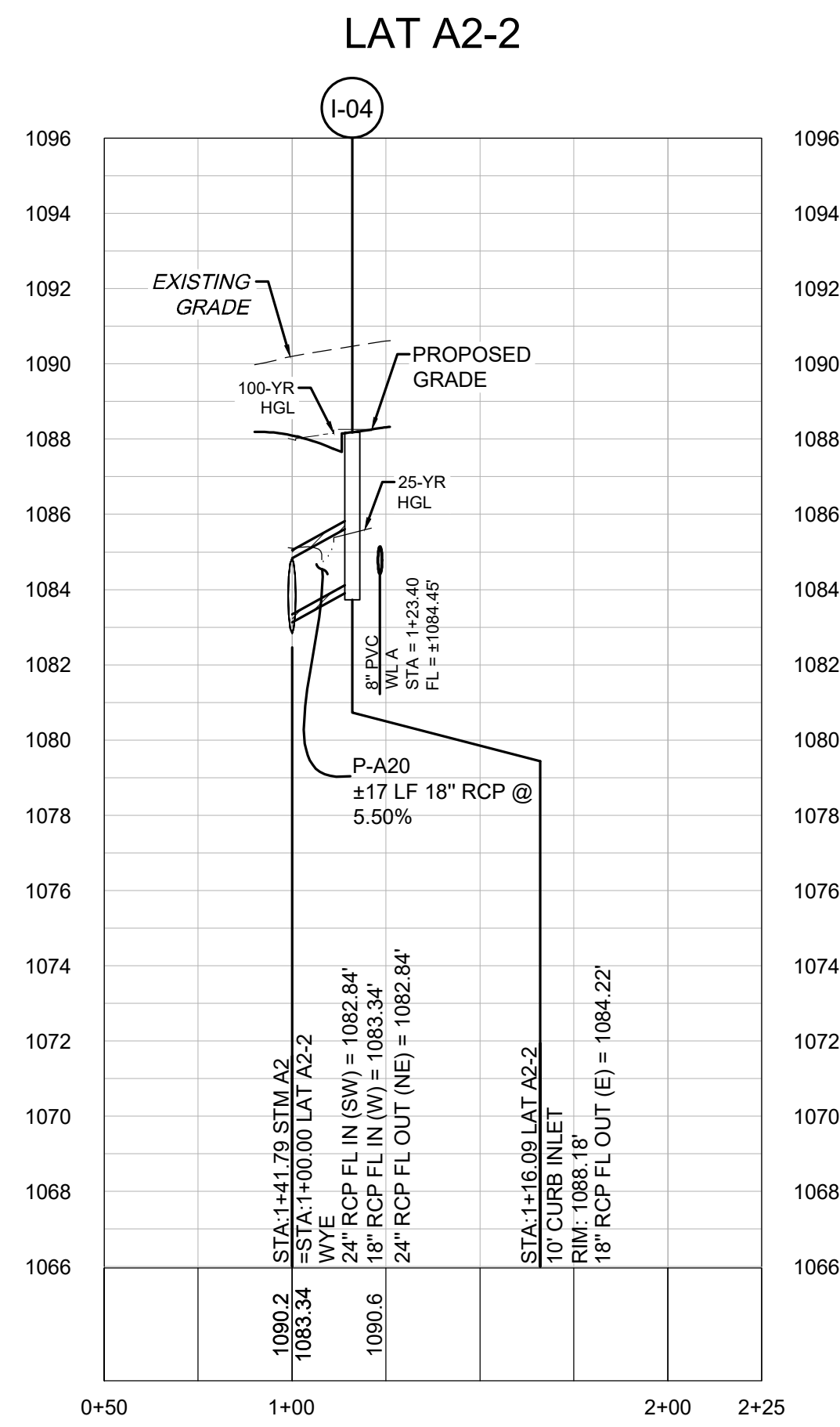
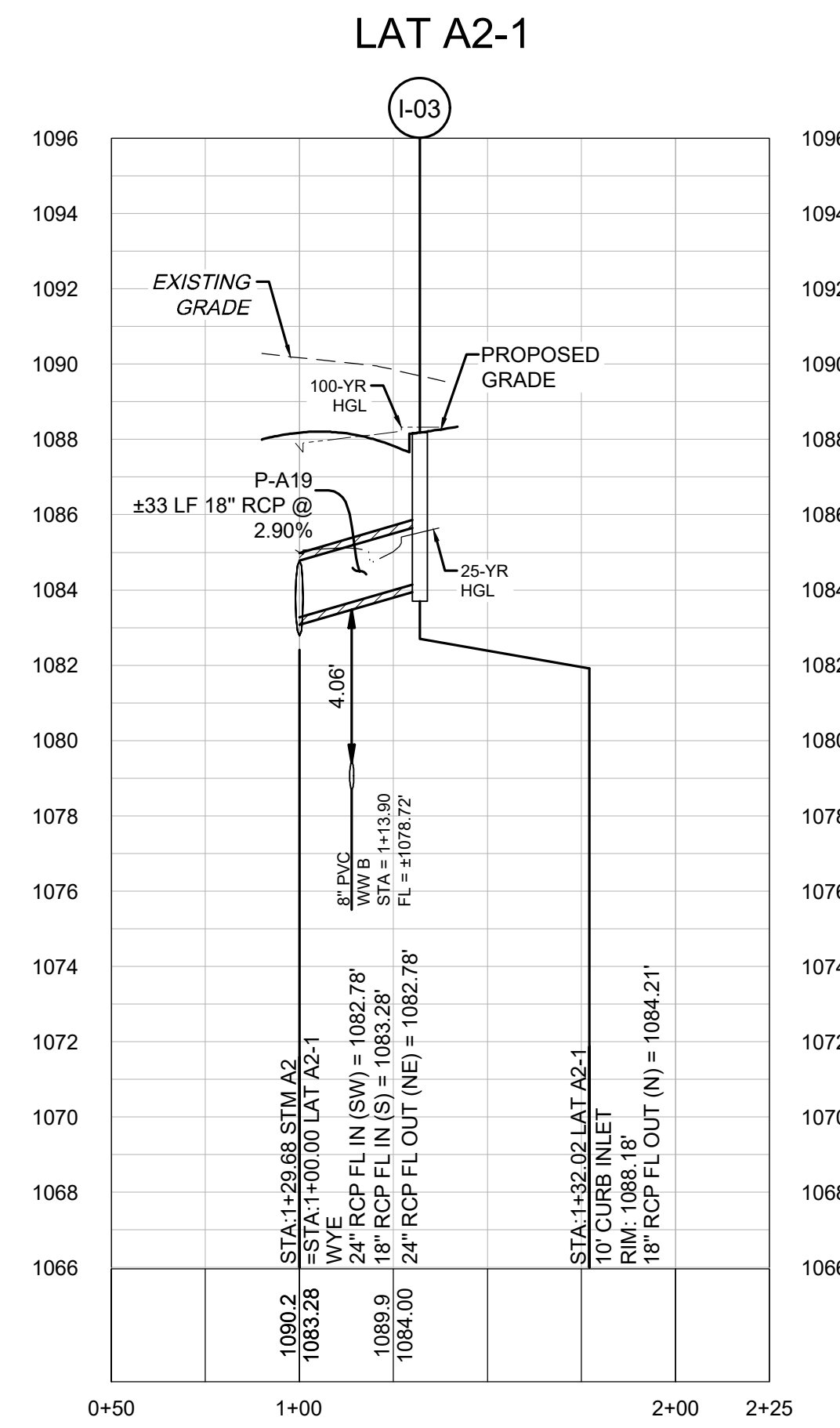
PROFILE LEGEND

- FINISHED GRADE - CENTERLINE (FG)
- EXISTING GRADE - CENTERLINE (EG)
- PIPE

EXISTING GRADE: 900.1
PROPOSED FLOWLINE: 897.10

- NOTES:**
- ALL PROPOSED STORM SEWER PIPE LINES SHALL BE CLASS III REINFORCED CONCRETE UNLESS NOTED OTHERWISE.
 - FILL SHALL BE PLACED ACCORDING TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND CITY OF LIBERTY HILL SPECIFICATIONS.
 - 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-A19	2.9%	7.2	4.80	1.78	10.3	5.85	4.63
P-A20	5.5%	6.7	4.56	1.78	9.8	5.53	4.68



NO. REVISION BY DATE

Know what's below.
Call before you dig.

5508 HIGHWAY 290 W
SUITE 150
AUSTIN, TX 78735
PHONE: 512.872.6696
HRGreen.com
TBPE NO: 16384
TBLPLS NO: 10194101

HRGreen
DEVELOPMENT TX

07/31/23

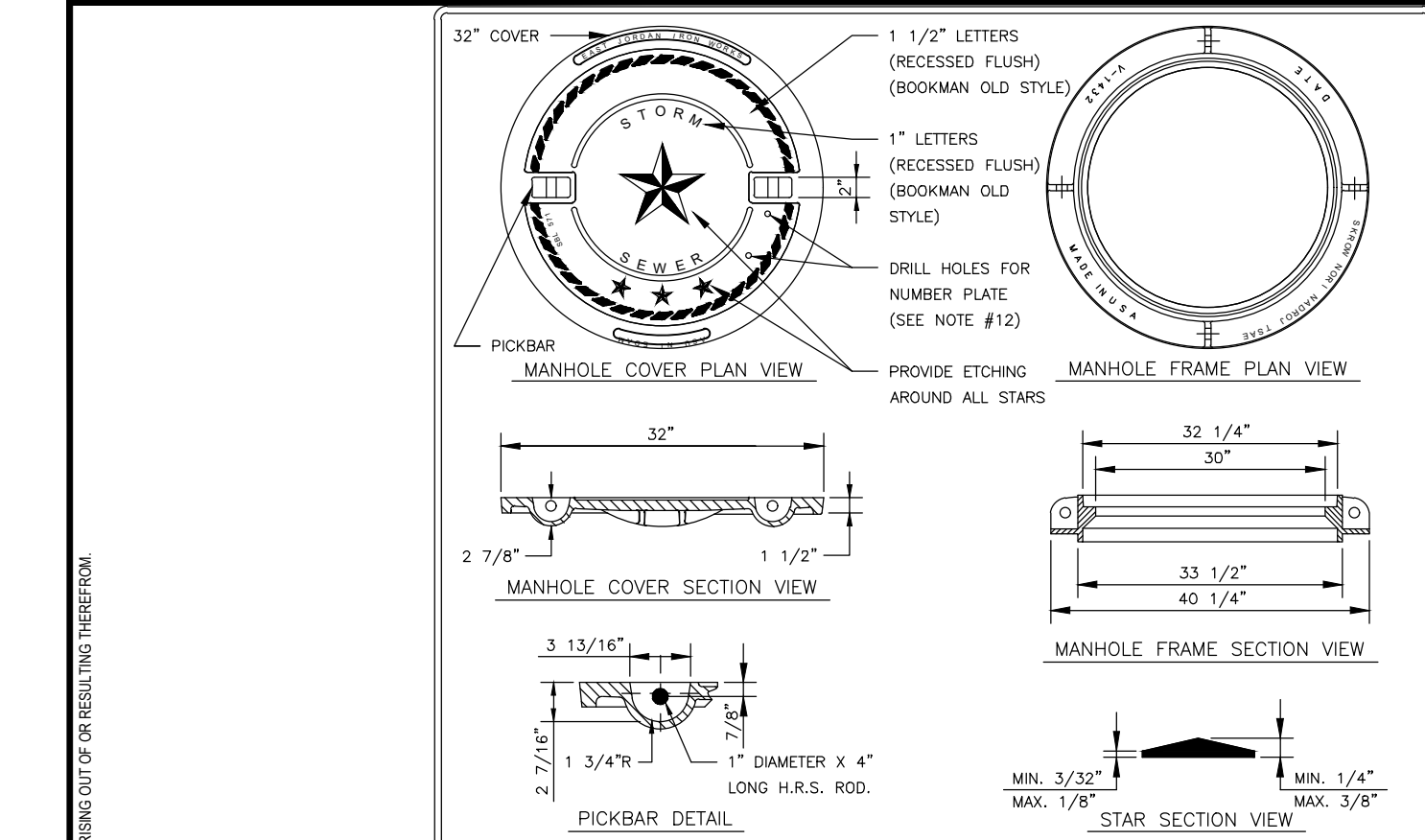
STORM LAT A2-1 - A2-2 PLAN & PROFILES

**BUTLER FARMS
PHASE 5**

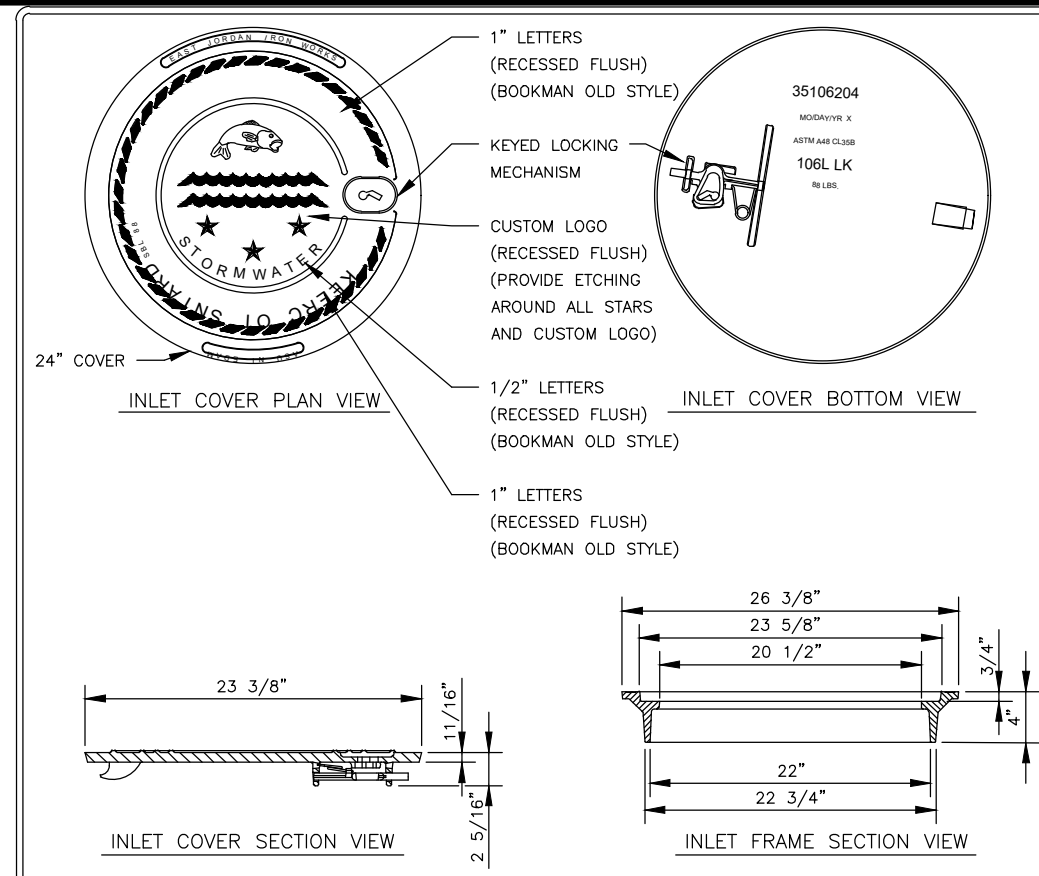
LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

DESIGNED BY: MV / CC
 DRAWN BY: MV / MM
 CHECKED BY: CC / SN
 APPROVED BY: SN

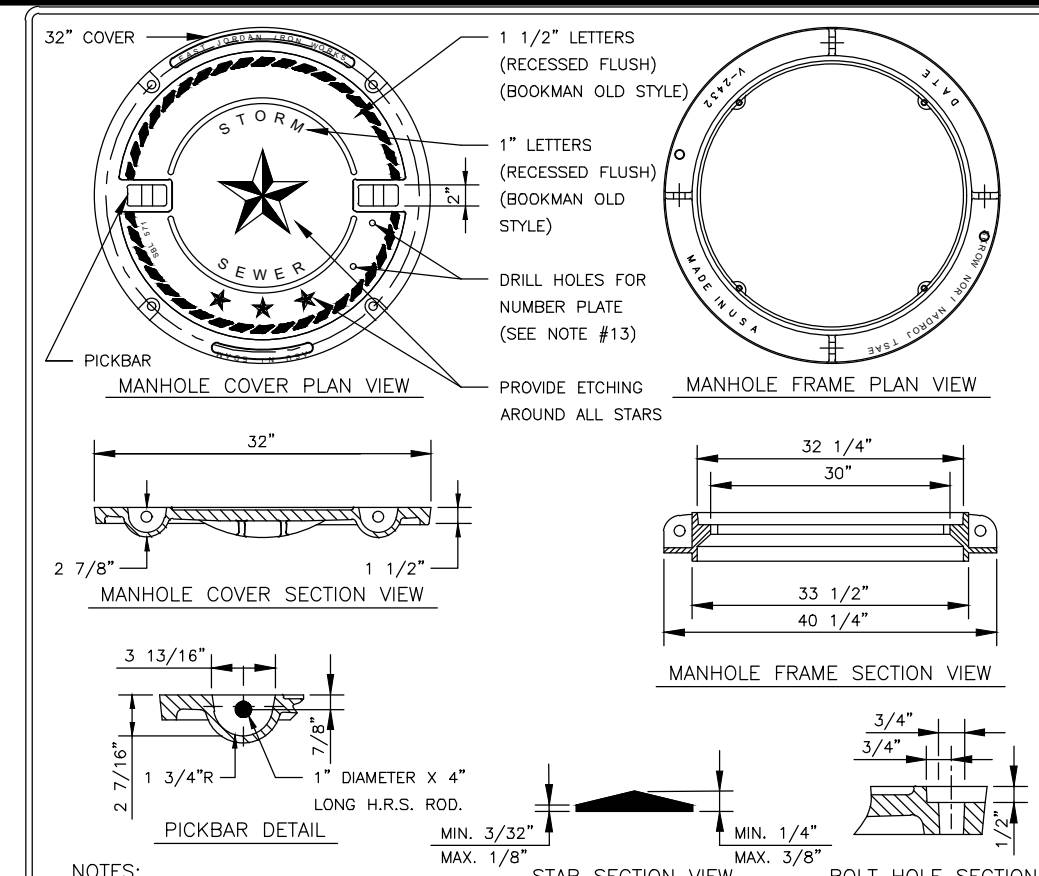
SHEET **23** OF **38**



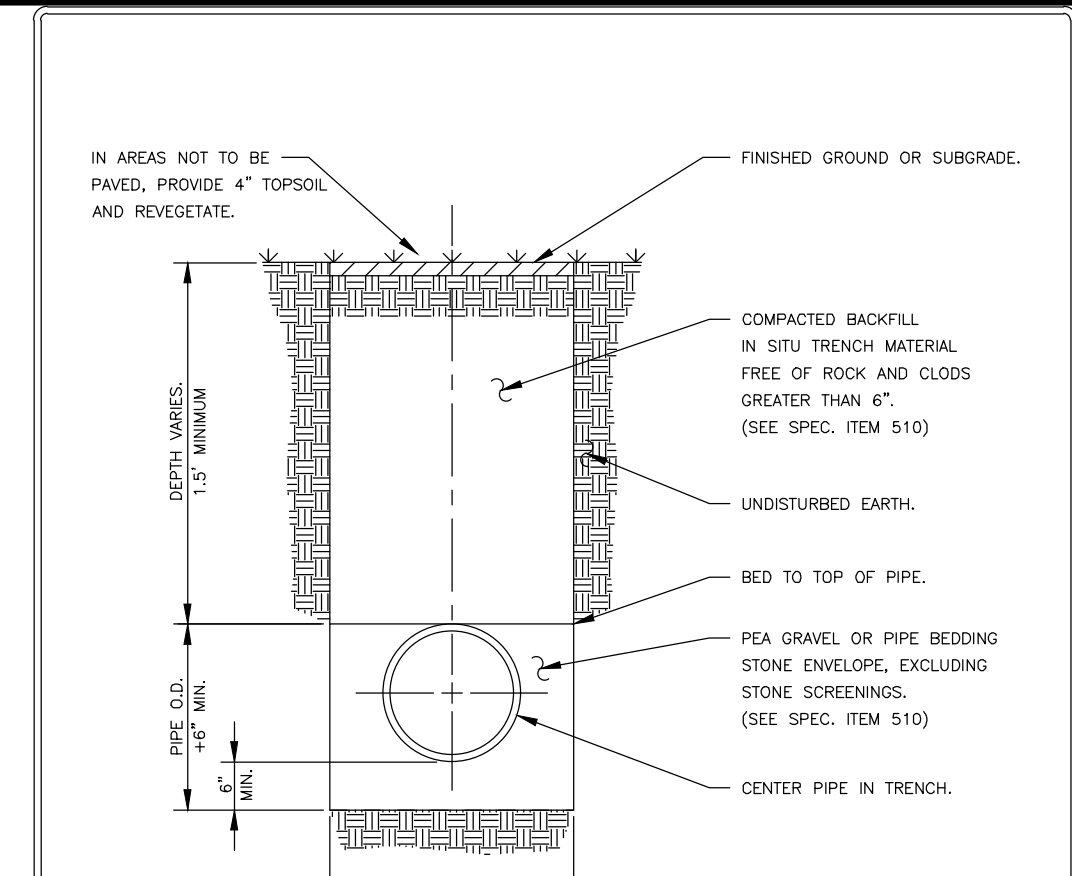
CITY OF ROUND ROCK
NON-BOLTED STORMSEWER MANHOLE COVER AND FRAME DETAIL
 DRAWING NO: DR-05
 APPROVED: 08-09-08
 DATE: 08-09-08
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.



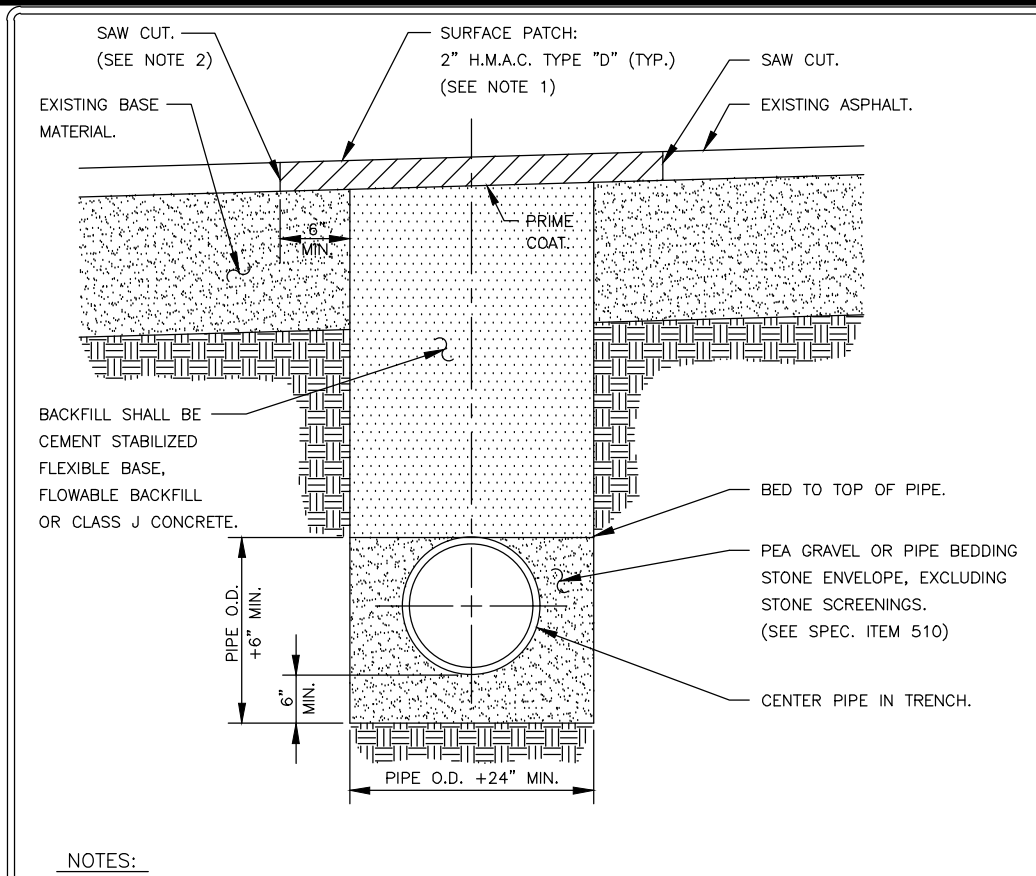
CITY OF ROUND ROCK
STORM SEWER INLET COVER AND FRAME DETAIL
 DRAWING NO: DR-07
 APPROVED: 09-13-05
 DATE: 09-13-05
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.



CITY OF ROUND ROCK
BOLTED STORMSEWER MANHOLE COVER AND FRAME DETAIL
 DRAWING NO: DR-02
 APPROVED: 08-09-08
 DATE: 08-09-08
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.



CITY OF ROUND ROCK
STORM SEWER LINE BEDDING DETAIL (NON-PAVED SURFACE)
 DRAWING NO: DR-02
 APPROVED: 08-09-08
 DATE: 08-09-08
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.



CITY OF ROUND ROCK
STORM SEWER LINE BEDDING DETAIL (EXISTING PAVED SURFACE)
 DRAWING NO: DR-01
 APPROVED: 08-21-03
 DATE: 08-21-03
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.

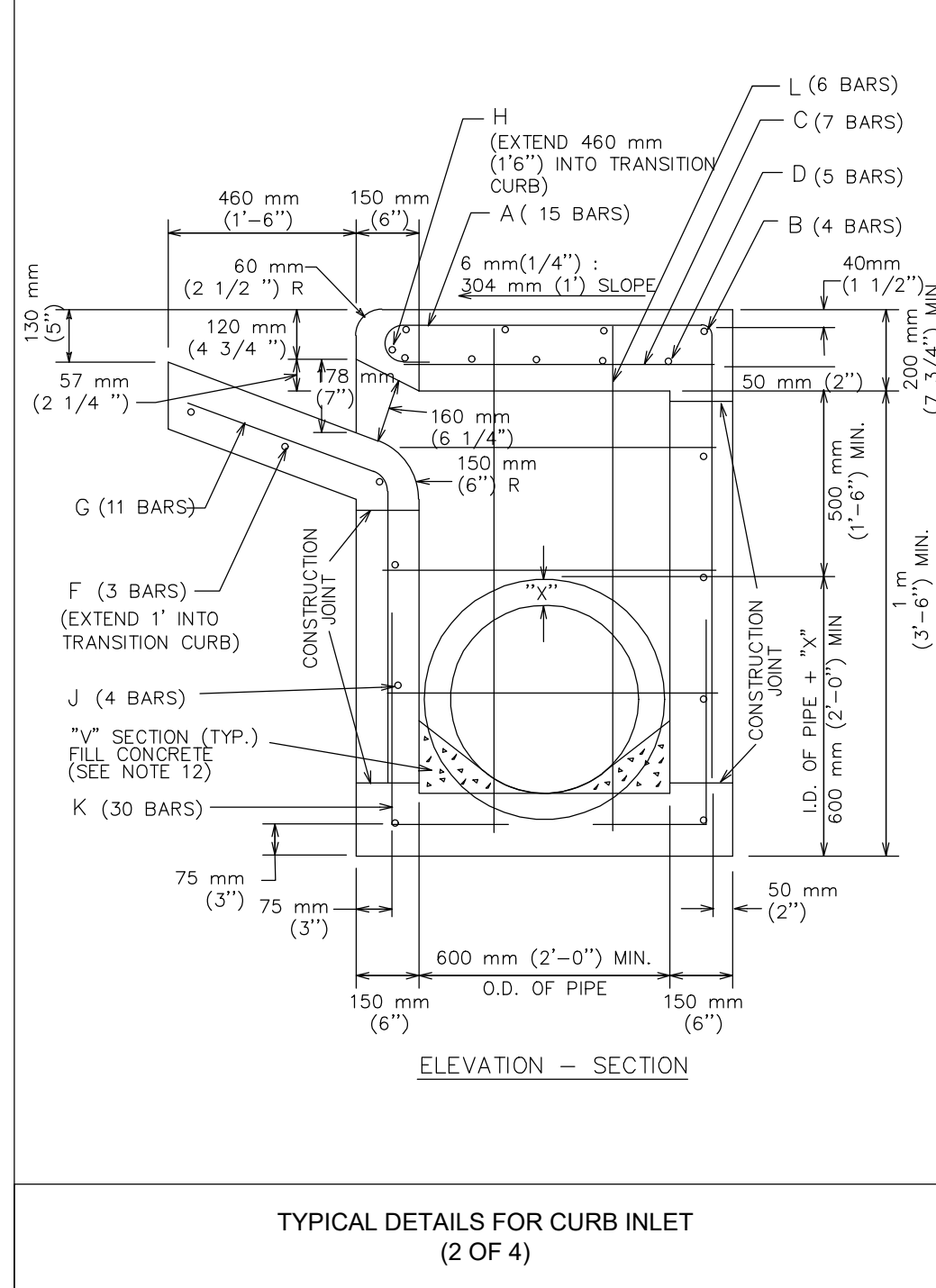
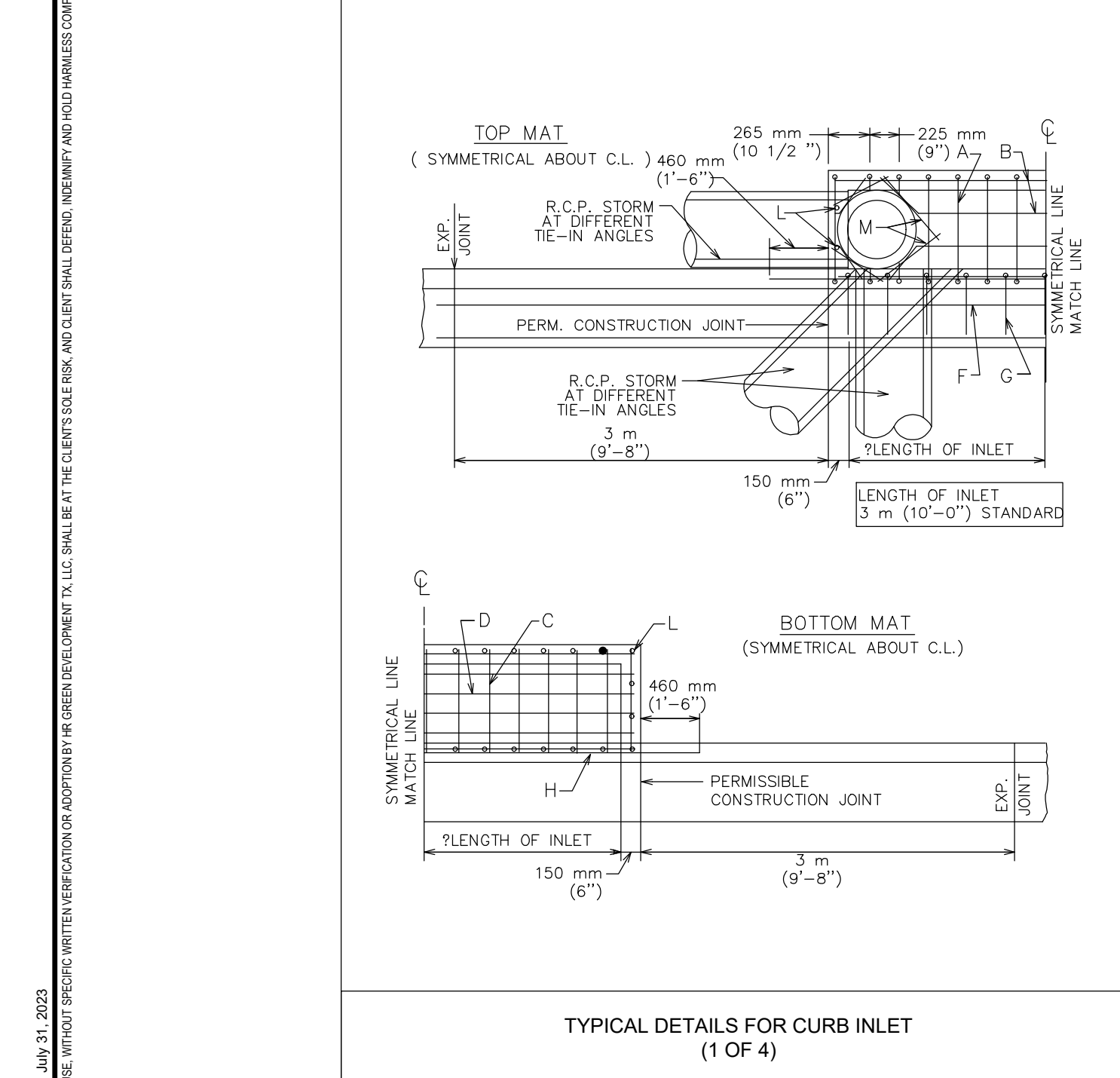
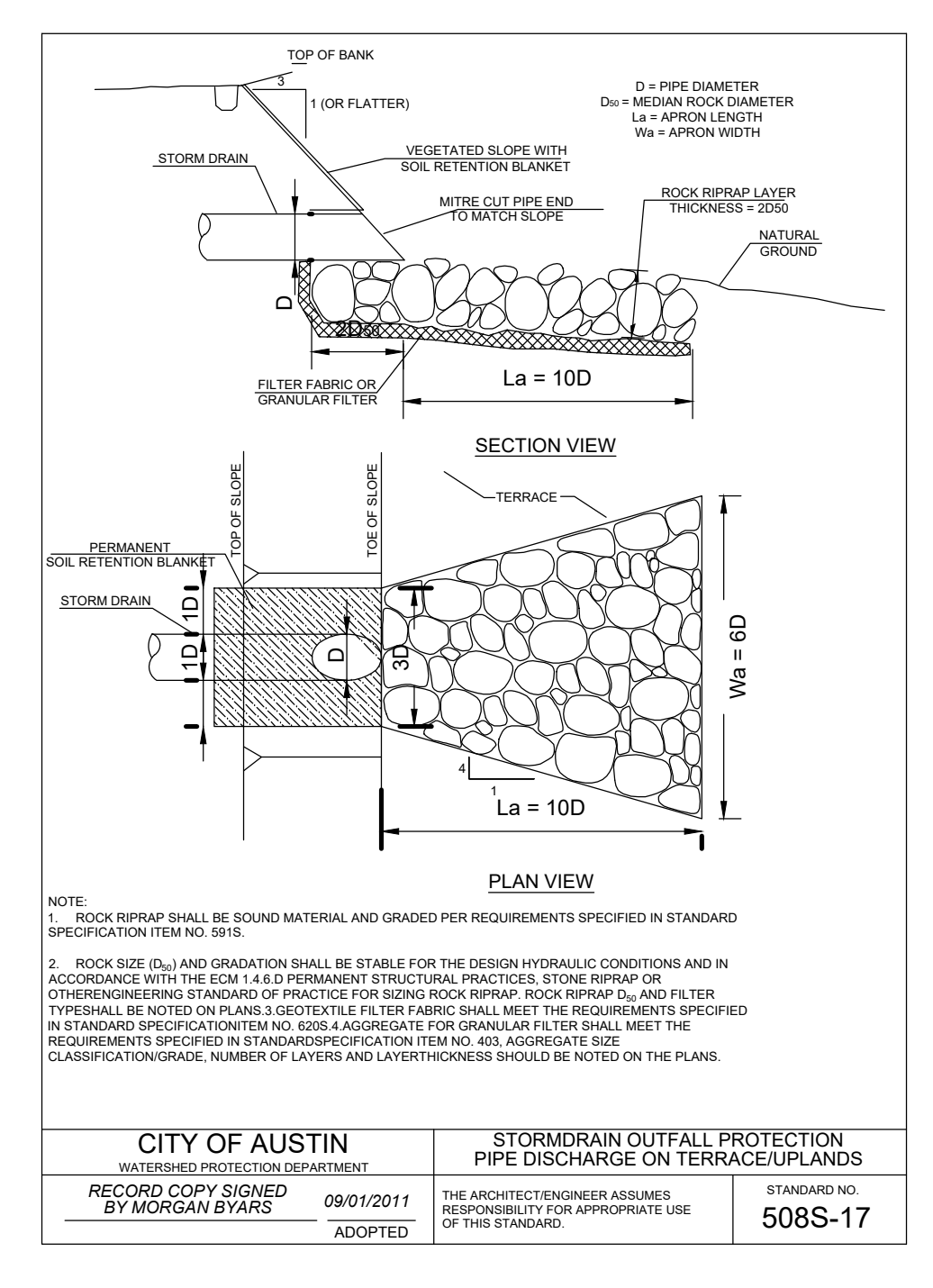
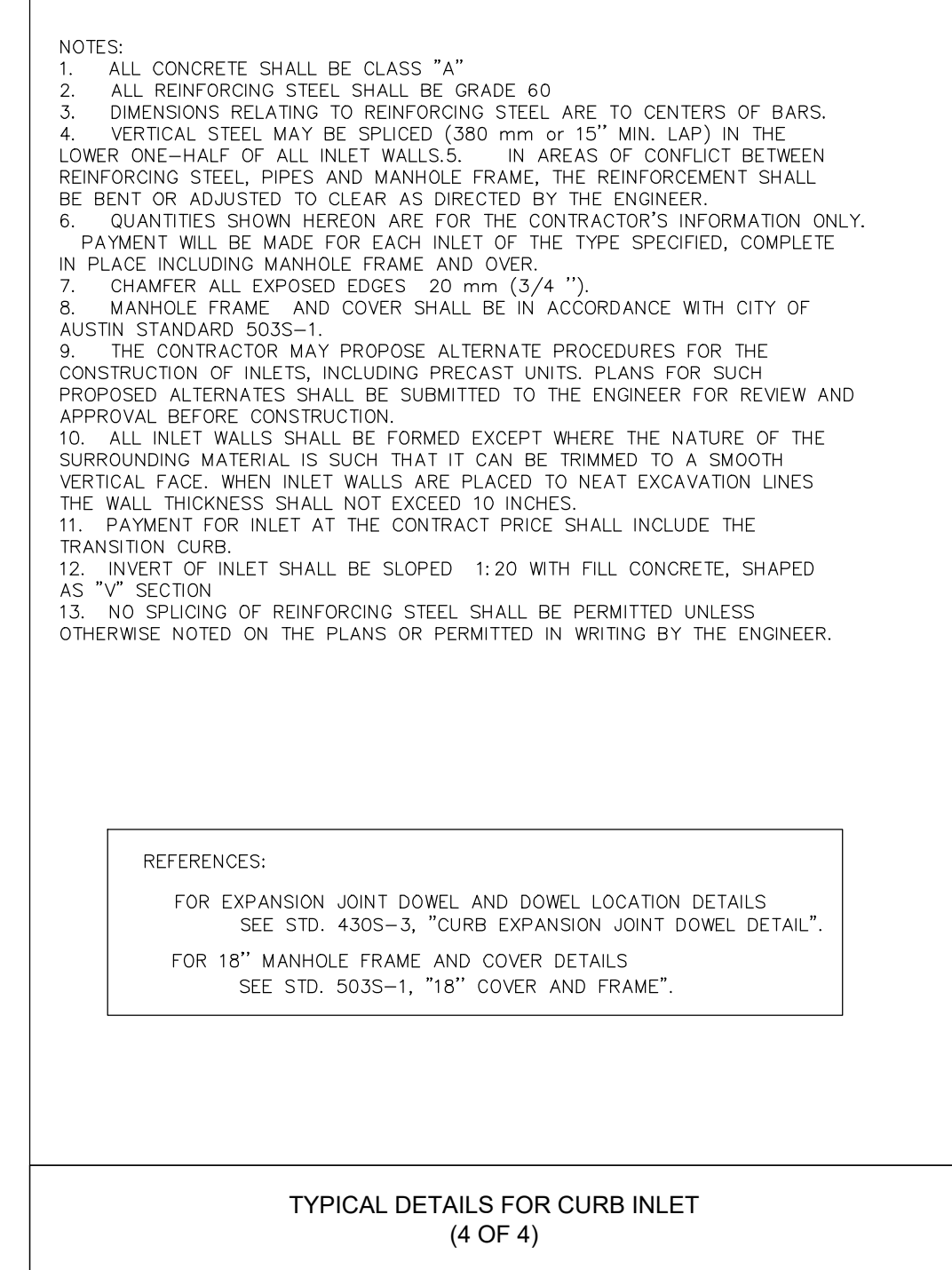


TABLE OF QUANTITIES FOR 18" OUTLET PIPE REINFORCING STEEL QUANTITIES

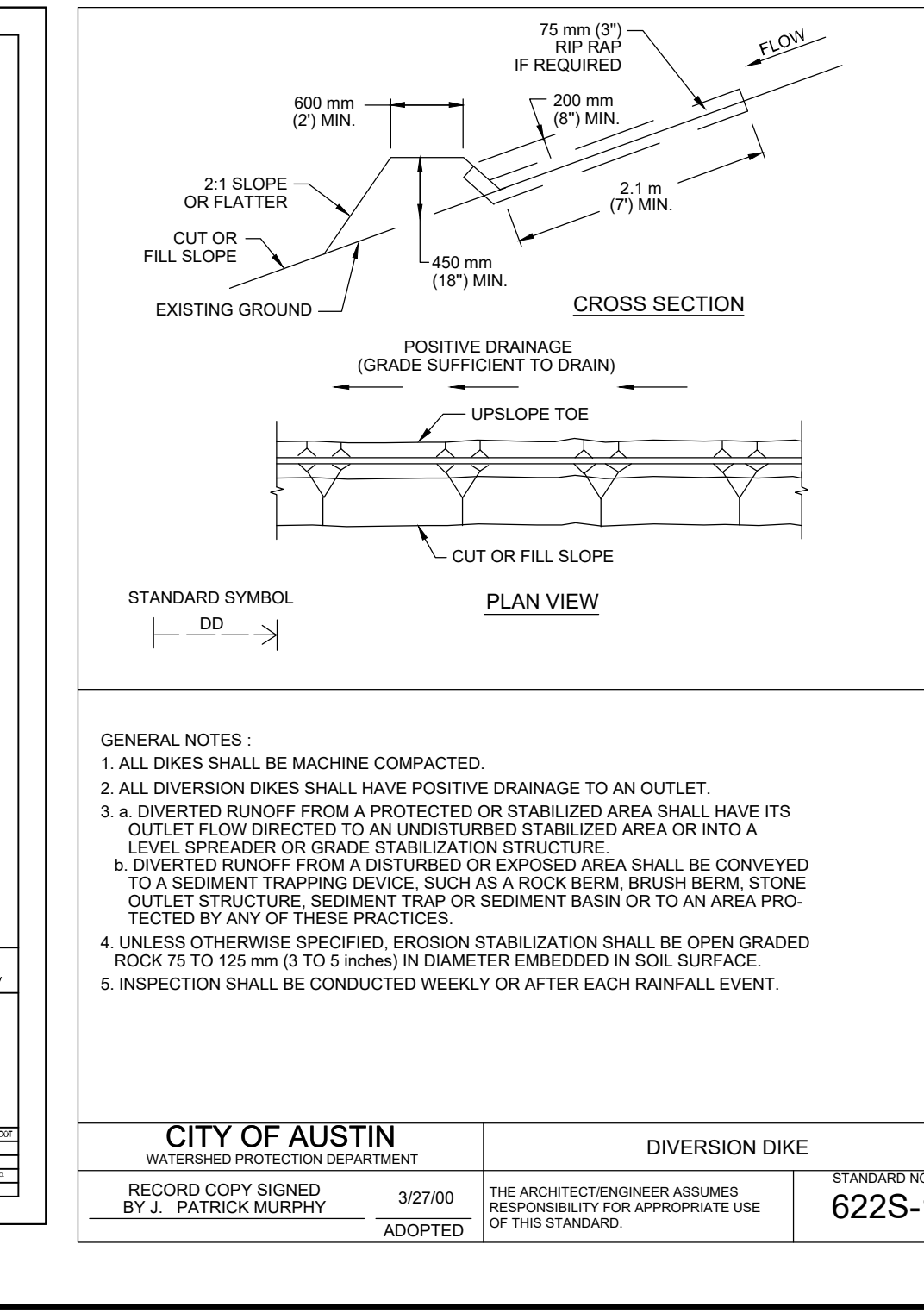
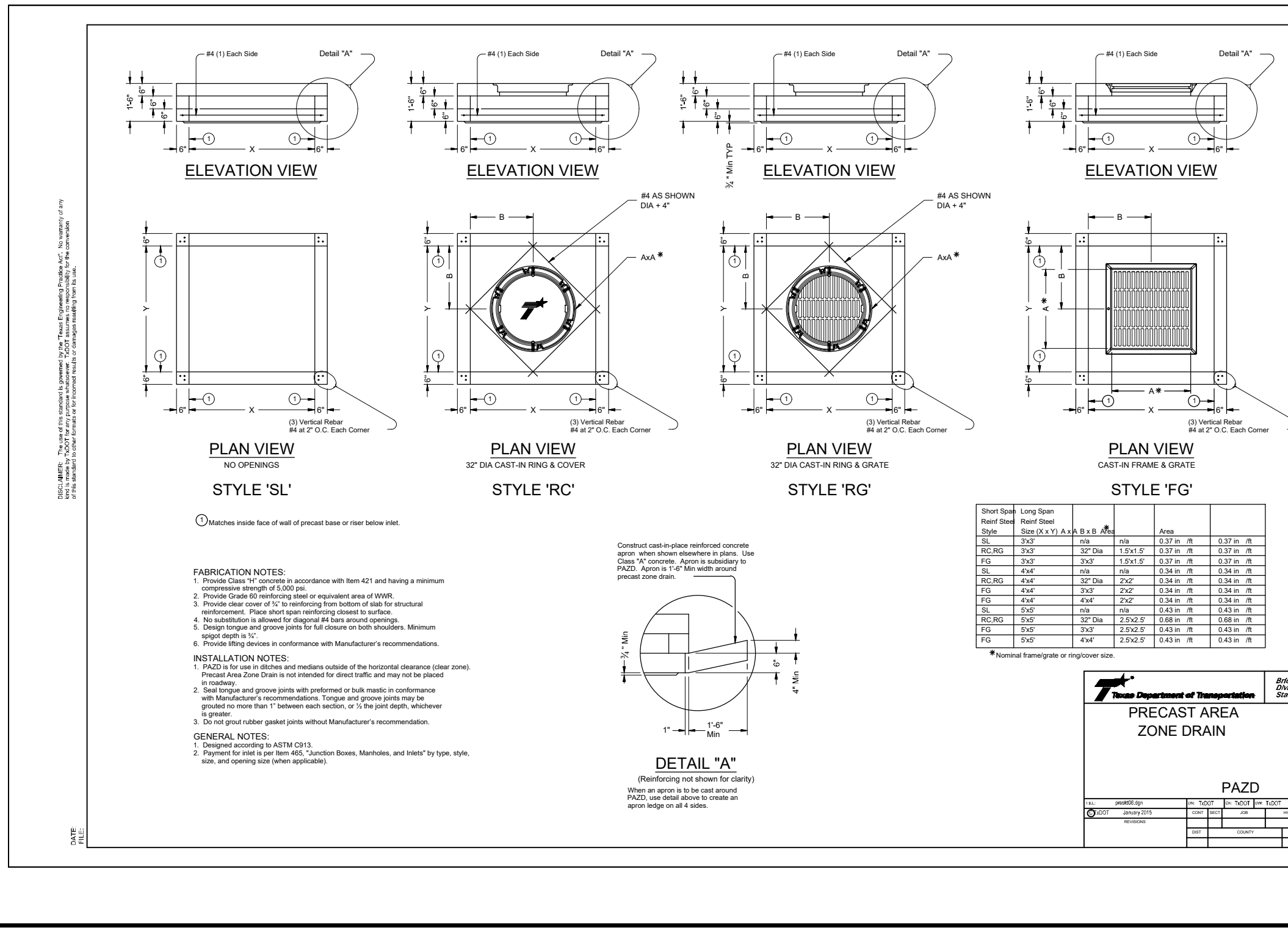
BAR	SIZE	SPACING	NUMBER	LENGTH	WEIGHT
A	4	230mm (9")	15	2 m (7'-0")	73
B	4	250 mm (10")	4	3.25 m (10'-8")	29
C	4	460 mm (18")	7	760 mm (2'-6")	12
D	6	150 mm (6")	5	3.25 m (10'-8")	80
E	4	300 mm (12")	6	760 mm (2'-6")	10
F	4	250 mm (10")	3	4 m (13'-0")	35
G	4	300 mm (12")	11	1.25 m (4'-3")	21
H	4	300 mm (12")	7	4.25 m (14'-0")	30
J	4	300 mm (12")	1	4.25 m (14'-0")	50
K	4	230 mm (9")	30	800 mm (2'-7 1/2")	52
L	4	300 mm (12")	6	1.3 m (4'-4")	17
M	4	300 mm (12")	4	500 mm (1'-8")	4
TOTAL STEEL, LB.					413
TOTAL CONCRETE, C.Y.					4.06

EXCEPT AS SHOWN ON PLAN



CITY OF AUSTIN
STANDARD HEADWALL AND ENERGY DISSIPATORS
 RECORD COPY SIGNED BY: BILL GARDNER
 DATE: 08/20/07
 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS STANDARD.
 STANDARD NO: 508S-13
 2 OF 2

DISCHARGE VELOCITIES GREATER THAN 3 METERS/SECOND (10 FPS) REQUIRE ROCK OUTLET PROTECTION.	DISCHARGE VELOCITIES GREATER THAN 3 METERS/SECOND (10 FPS) REQUIRE ROCK OUTLET PROTECTION.
D	457 mm (18")
A	225 mm (9")
B	150 mm (6")
C	2.29 m (9'6")
L	1.37 m (4'6")
E	300 mm (12")



RIP-RAP CLASSIFICATION SPECIFICATIONS

CLASS 1 RIP-RAP
 No more than 10% of the stone will have a diameter greater than twelve (12) inches; no more than 50% of the stone will have a diameter less than ten (10) inches; and no more than 10% of the stone will have a diameter of less than six (6) inches. The thickness of the rip-rap liner will be no less than twelve (12) inches.

CLASS 2 RIP-RAP
 No more than 10% of the stone will have a diameter greater than sixteen (16) inches; no more than 50% of the stone will have a diameter less than twelve (12) inches; and no more than 10% of the stone will have a diameter of less than six (6) inches. The thickness of the rip-rap liner will be no less than sixteen (16) inches.

CLASS 3 RIP-RAP
 No more than 10% of the stone will have a diameter greater than twenty two (22) inches; no more than 50% of the stone will have a diameter less than sixteen (16) inches; and no more than 10% of the stone will have a diameter of less than eight (8) inches. The thickness of the rip-rap liner will be no less than twenty two (22) inches.

CLASS 4 RIP-RAP
 No more than 10% of the stone will have a diameter greater than twenty seven (27) inches; no more than 50% of the stone will have a diameter less than twenty two (22) inches; and no more than 10% of the stone will have a diameter of less than ten (10) inches. The thickness of the rip-rap liner will be no less than twenty seven (27) inches.

CLASS 5 RIP-RAP
 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.

DESIGNED BY: MV / CC
 DRAWN BY: MV / MM
 CHECKED BY: CC / SN
 APPROVED BY: SN

5608 HIGHWAY 290 W
 SUITE 150
 AUSTIN, TX 78735
 PHONE: 512.872.6686
 HRGreen.com
 TBP# NO: 16384
 TBL# NO: 10164101

HRGreen
 DEVELOPMENT TX

STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 96807
 CIVIL ENGINEERING

07/31/23

LIBERTY HILL, WILLIAMSON COUNTY, TEXAS

BUTLER FARMS PHASE 5

DRAINAGE DETAILS

SHEET 25 OF 38