Transmittal



Date: October 4, 2024

To: TCEQ Reviewer

From: Stacy Mulholland

Reference: Canyon Ranch Mass Grading CZP Application

Item No.	Number of Copies	Description	
1	1	Edwards Aquifer Application Cover Page	
2	1	Contributing Zone Plan Application	
3	1	Temporary Stormwater Section	
4	1	Agent Authorization Form	
5	1	Owner Authorization Form	
6	1	Application Fee Form	
7	1	TCEQ Client Core Data Form	
8	1	TCEQ Owner Core Data Form	
9	1	Unit 1 TCEQ Approval Letter	
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11	1	Unit 3 TCEQ Approval Letter	
12	1	Mass Grading Construction Plan Set	

Comments:

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 <u>30 TAC 213</u>.

Administrative Review

1. <u>Edwards Aquifer applications</u> 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: <u>http://www.tceq.texas.gov/field/eapp</u>.

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

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

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

Technical Review

- 1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
- 2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

- 3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.
- 4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a "Mid-Review Modification". Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ's Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ's San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: Canyon Ranch Mass Grading				2. Regulated Entity No.:					
3. Customer Name: Lennar Homes of Texas Land and Construction, LTD			l and	4. Customer No.: CN 602412207					
5. Project Type: (Please circle/check one)	New X		Modification		Extension		Exception		
6. Plan Type: (Please circle/check one)	WPAP	CZP X	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)Residential X		Non-residential		8. Site		e (acres):	315.17		
9. Application Fee:	\$8,000		10. Permanent H		BMP(s):		Temporary Sed	iment Ponds	
11. SCS (Linear Ft.): N/A		12. AST/UST (No. 7		o. Tar	o. Tanks):				
13. County: Comal		14. Watershed:				Guadalupe 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.)	×						
Region (1 req.)	v 						
County(ies)	_						
Groundwater Conservation District(s)	Edwards Aquifer Authority Barton Springs/ Edwards Aquifer Hays Trinity Plum Creek	Barton Springs/ Edwards Aquifer	NA				
City(ies) Jurisdiction	Austin Buda Dripping Springs Kyle Mountain City San Marcos Wimberley Woodcreek	Austin Bee Cave Pflugerville Rollingwood Round Rock Sunset Valley West Lake Hills	Austin Cedar Park Florence Georgetown Jerrell Leander Liberty Hill Pflugerville Round Rock				

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

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

Stacy Mulholland

Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent

9/23/24 Date

FOR TCEQ INTERNAL USE ONL	.Y			
Date(s)Reviewed:		Date Adr	ninistratively Complete:	
Received From:		Correct Number of Copies:		
Received By:		Distribut	ion Date:	
EAPP File Number:		Complex	:	
Admin. Review(s) (No.):		No. AR R	Rounds:	
Delinquent Fees (Y/N):	ġ.	Review Time Spent:		
Lat./Long. Verified:		SOS Customer Verification:		
Agent Authorization Complete/Notarized (Y/N):		Payable to TCEQ (Y/N):		
Core Data Form Complete (Y/N):		Check: 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: Stacy Mulholland

Date: 9/23/2024

Signature of Customer/Agent:

Regulated Entity Name: Canyon Ranch Mass Grading

Project Information

- 1. County: Comal
- 2. Stream Basin: Guadalupe River
- 3. Groundwater Conservation District (if applicable): _____
- 4. Customer (Applicant):

Contact Person: Richard MottEntity: Lennar Homes of Texas Land and Construction LTDMailing Address: 100 NE Loop 410, Suite 1155City, State: San Antonio, TXZip: 78216Telephone: 210-889-5516Fax: _____Email Address: richard.mott@lennar.com

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5. Agent/Representative (If any):

Contact Person: <u>Stacy Mulholland</u> Entity: <u>BGE Inc</u> Mailing Address: <u>7330 San Pedro Ave, Suite 202</u> City, State: <u>San Antonio, TX</u> Telephone: <u>210-581-3637</u> Email Address: <u>smulholland@bgeinc.com</u>

Zip: <u>78216</u> Fax: ____

- 6. Project Location:
 - The project site is located inside the city limits of _____.
 - The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
 - \bigtriangledown 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.
- 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. Xttachment 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

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Existing paved and/or unpaved roads

Undeveloped (Cleared)

Undeveloped (Undisturbed/Not cleared)

_____ Other: ______

12. The type of project is:



- Industrial
- Other: Mass Grading
- 13. Total project area (size of site): 315.17 Acres

Total disturbed area: <u>249.15</u> Acres

- 14. Estimated projected population: _____
- 15. The amount and type of impervious cover expected after construction is complete is shown below:

Table 1 - Impervious Co	over
-------------------------	------

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	0	÷ 43,560 =	0
Parking	0	÷ 43,560 =	0
Other paved surfaces	0	÷ 43,560 =	0
Total Impervious Cover	0	÷ 43,560 =	0

Total Impervious Cover 0 + Total Acreage 315.17 X 100 = 0% Impervious Cover

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

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

For Road Projects Only

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

🛛 N/A

18. Type of project:
 TXDOT road project. County road or roads built to county specifications. City thoroughfare or roads to be dedicated to a municipality. Street or road providing access to private driveways.
19. Type of pavement or road surface to be used:
Concrete Asphaltic concrete pavement Other:
20. Right of Way (R.O.W.):
Length of R.O.W.: feet. Width of R.O.W.: feet. L x W =Ft ² ÷ 43,560 Ft ² /Acre = acres.
21. Pavement Area:
Length of pavement area: feet. Width of pavement area: feet. L x W =Ft ² ÷ 43,560 Ft ² /Acre = acres. Pavement area acres ÷ R.O.W. area acres x 100 =% impervious cover.
22. 🗌 A rest stop will be included in this project.
A rest stop will not be included in this project.
23. Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

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):

 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 <u>Canyon Ranch</u> (name)
Treatment Plant. The treatment facility is:

Attachment F - Suitability Letter from Authorized Agent. An on-site sewage facility

Existing.
Proposed.

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.

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1			
2			
3			
4			
5			
		Tot	al x 1 5 = Gallon

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

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

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

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

Table 3 - Secondary Containment

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

Total: _____ Gallons

30. Piping:

All piping, hoses, and dispensers will be located inside the containment structure.

Some of the piping to dispensers or equipment will extend outside the containment structure.

The piping will be aboveground

The piping will be underground

- 31. The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of:
- 32. Attachment H AST Containment Structure Drawings. A scaled drawing of the containment structure is attached that shows the following:
 - Interior dimensions (length, width, depth and wall and floor thickness).
 - Internal drainage to a point convenient for the collection of any spillage.

Tanks clearly labeled

Piping clearly labeled

Dispenser clearly labeled

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

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

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

Site Plan Requirements

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

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

Site Plan Scale: $1'' = \underline{60}'$.

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): <u>FEMA FIRM Panel 48091C0080F</u>, effective 9/02/2009.

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. \bigotimes Areas of soil disturbance and areas which will not be disturbed.
- 40. K Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 41. X Locations where soil stabilization practices are expected to occur.
- 42. Xurface 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.

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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.

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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. X 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. X 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

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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,

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

Administrative Information

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



ATTACHMENT A ROAD MAP





ATTACHMENT B USGS QUADRANGLE MAP





ATTACHMENT C PROJECT DESCRIPTION



Canyon Ranch Mass Grading

Contributing Zone Plan Application (TCEQ-10257)

<u>Attachment C — Project Narrative</u>

Canyon Ranch subdivision is located at the northwest corner of the FM 306 and Mystic Canyon intersection. Canyon Ranch, once fully developed, will be a 400.00-acre site with approximately 1,495 single family residential lots and associated roadway access. Units 1 and 2 of this subdivision are currently in construction and Unit 3 will be constructed once final approvals from the county are obtained. The Contributing Zone Plan approvals for these Units have been provided in this Contributing Zone Plan application.

This Contributing Zone Plan, Canyon Ranch Mass Grading, is strictly for grading the remainder of the site. Canyon Ranch Mass Grading will not contain any single-family residential units or paved roadways. 249.15 acres of the total 315.17-acre site will be graded to facilitate future development, but there are no residential lots or paved roadways proposed at this time. The project lies withing the Guadalupe River – Canyon Lake Watershed and does not contain any FEMA 100-yr floodplains.

This project's scope includes clearing, grubbing, and grading of the overall site, as well as the installation of temporary sediment ponds and silt fencing for erosion controls measures in the interim condition. Since there are no proposed residential lots or paved roadways, the impervious cover will not increase from natural conditions, 0%, and no permanent BMPs are required. The temporary sediment ponds have been sized appropriately to mitigate erosion and are included in the calculations in this application. The construction plans submitted with this application include no plans for demolition. All temporary BMPs have been designed in accordance with the Texas Commission on Environmental Quality's (TCEQ) Technical Guidance Manual (TGM) RG-348 (2005).

ATTACHMENT C



ATTACHMENT D FACTORS AFFECTING WATER SURFACE QUALITY



Contributing Zone Plan Application (TCEQ-10257)

Attachment D— Factors Affecting Surface Water Quality

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

- Soil erosion due to the clearing of the site;
- *Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings;*
- *Hydrocarbons from asphalt paving operations;*
- Miscellaneous trash and litter from construction workers and material wrappings;
- Concrete truck washout.
- Potential overflow/spills from portable toilets

Potential sources of pollution that may reasonably be expected to affect the quality of storm water discharges from the site after development include:

- Oil, grease, fuel and hydraulic fluid contamination from vehicle drippings;
- Dirt and dust which may fall off vehicles; and
- Miscellaneous trash and litter.

ATTACHMENT D



ATTACHMENT E volume and character of stormwater



Contributing Zone Plan Application (TCEQ-10257)

Attachment E— Volume and Character of Stormwater

The total drainage area accounted for is 315.17 acres. 249.15 acres will be disturbed. There is no proposed impervious cover. Temporary sediment ponds will be used for all drainage areas with more than 10 acres disturbed at one time.

Drainage area map and temporary sediment pond calculations for the site are provided with this application.

For an overview of sub-drainage basins on site, please refer to the included drainage map.

ATTACHMENT E



ATTACHMENT J BMPS FOR UPGRADIENT STORMWATER



Contributing Zone Plan Application (TCEQ-10257)

Attachment J- BMPs for Upgradient Stormwater

An internal underground storm drain system and open channels will convey upgradient storm water into the Devil's Hollow Tributary 1. The stormwater will not be treated within the proposed subdivision.

ATTACHMENT J



ATTACHMENT K BMPS FOR ON-SITE STORMWATER



Contributing Zone Plan Application (TCEQ-10257)

Attachment K- BMPs for Onsite Stormwater

Silt control fences are to be installed to prevent stormwater from carrying sediment offsite during construction. Construction entrances are to be placed to facilitate the arrival and departure of construction vehicles without the addition of undue erosion. No permanent BMPs or measures are required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by the contaminated stormwater runoff. Only temporary BMPs such as temporary sediment ponds and silt fence are required for the mass grading of the 315.17-acre site.

ATTACHMENT K



ATTACHMENT L BMPs for SURFACE STREAMS



Contributing Zone Plan Application (TCEQ-10257)

Attachment L- BMPs for Surface Streams

No BMPs are proposed specifically for surface streams. Proposed on-site temporary BMPs are designed to maintain existing flow patterns.

ATTACHMENT L



ATTACHMENT M CONSTRUCTION PLANS



Contributing Zone Plan Application (TCEQ-10257)

Attachment M- Construction Plan

Construction plans for both temporary and permanent BMPs are attached in the complete plan set.

ATTACHMENT M



ATTACHMENT P MEASURES FOR MINIMISING SURFACE STREAM CONTAMINATION



CONTRIBUTING ZONE PLAN APPLICATION (TCEQ-10257)

Attachment P - Measures Minimizing Surface Stream Contamination

Any points where discharge from the site is concentrated and erosive velocities exist will include appropriately sized energy dissipators to reduce velocities to non-erosive levels.

ATTACHMENT P
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: Stacy Mulholland

Date: 9/23/2024

Signature of Customer/Agent:

When

Regulated Entity Name: Canyon Ranch

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. X 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: <u>Guadalupe River, Canyon Lake</u>

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:

\square	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.

\boxtimes	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



Temporary Stormwater Section (TCEQ-0602)

<u>Attachment A – Spill Response Actions</u>

In the event of an accidental leak or spill:

- Spill must be contained and cleaned up immediately.
- Spills will not be merely buried or washed with water.
- Contractor shall take action to contain spill. Contactor may use sand or other absorbent material stockpiled on site to absorb spill. Absorbent material should be spread over the spill area to absorb the spilled product.
- In the event of an uncontained discharge the contractor shall utilize onsite equipment to construct berms downgradient of the spill with sand or other absorbent material to contain and absorb the spilled product.
- Spill containment/absorbent materials along with impacted media must be collected and stored in such a way so as not to continue to affect additional media (soil/water). Once the spill has been contained, collected material should be placed on poly or plastic sheeting until removed from the site. The impacted media and cleanup materials should be covered with plastic sheeting and the edges weighed down with paving bricks or other similarly dense objects as the material is being accumulated. This will prevent the impacted media and cleanup materials from becoming airborne in windy conditions or impacting runoff during a rain event. The stockpiled materials should not be located within an area of concentrated

ATTACHMENT A



Temporary Stormwater Section (TCEQ-0602)

runoff such as along a curb line or within aswale.

- Contaminated soils and cleanup materials will be sampled for waste characterization. When the analysis results are known the contaminated soils and cleanup materials will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.
- The contractor will be required to notify the owner, who will in turn contact TCEQ to notify them in the event of a significant hazardous/reportable quantity spill. Additional notifications as required by the type and amount of spill will be conducted by owner or owner's representative.

In the event of an accidental significant or hazardous spill:

• The contractor will be required to report significant or hazardous spills in reportable

quantities to:

Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490—3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.

Notification should first be made by telephone and followed up with a written report.

ATTACHMENT A



Temporary Stormwater Section (TCEQ-0602)

The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.

Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

• Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.

Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 1.4.16. Contractor shall review this section.

ATTACHMENT A



ATTACHMENT B POTENTIAL SOURCES OF CONTAMINATION



Temporary Stormwater Section (TCEQ-0602)

Attachment B — Potential Sources of Contamination

Other potential sources of contamination during construction include:

- Potential Source
 Asphalt products used on this project.
 Preventative Measure
 After placement of asphalt, emulsion or coatings, the contractor will be responsible for immediate cleanup should an unexpected rain occur. For the duration of the asphalt product curing time, the contractor will maintain standby personnel and equipment to contain any asphalt wash-off should an unexpected rain occur. The contractor will be instructed not to place asphalt products on the ground within 48 hours of a foretasted rain.
- Potential Source
 Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle dripping.
- *Preventative Measure* Vehicle maintenance when possible will be performed within the construction staging area.
 - Construction vehicles and equipment shelf be checked regularly for leaks and repaired immediately.

ATTACHMENT B



Temporary Stormwater Section (TCEQ-0602)

Potential Source	 Accidental leaks or spills of oil, petroleum products and substances fisted under 40 CFR parts 110, 117, and 302 used or stored temporarily on site.
Preventative Measure	 Contractor to incorporate into regular safety meetings, a discussion of spill prevention and appropriate disposal procedures.
	 Contractor's superintendent or representative overseer shall enforce proper spill prevention and control measures.
	 Hazardous materials and wastes shall be stored in covered containers and protected from vandalism.
	 A stockpile of spill cleanup materials shall be stored on site where it will be readily accessible.
Potential Source	 Miscellaneous trash and litter from construction workers and material wrappings.
Preventative Measure	 Trash containers will be placed throughout the site to encourage proper trash disposal.
Potential Source	Construction debris.
Preventative Measure	 Construction debris will be monitored daily by contractor. Debris will be collected weekly and placed in disposal bins.

ATTACHMENT B



Temporary Stormwater Section (TCEQ-0602)

Situations requiring immediate attention will be addressed on a case by case basis.

- Potential Source
- Spills/Overflow of waste from portable toilets.
- Preventative Measure
- Portable toilets will be placed away from high traffic vehicular areas and storm drain inlets.
- Portable toilets will be placed on a level ground surface.
- Portable toilets will be inspected regularly for leaks and will be serviced and sanitized at time intervals that will maintain sanitary conditions.

ATTACHMENT B



ATTACHMENT C SEQUENCE OF MAJOR ACTIVITIES



Temporary Stormwater Section (TCEQ-0602)

Attachment C- Sequence of Major Activities

- A. Canyon Ranch Mass Grading (Approximately 315.17 Acres)
 - 1. Install temporary erosion and sediment controls and stabilized construction entrance as indicated on erosion control plan.
 - 2. Install temporary sediment ponds as indicated in submitted construction plan set.
 - 3. Grade phase.
 - 4. Revegetate disturbed areas, dispose of spoil. (Repeat steps 3 and 4 for each mass grading phase).
 - 5. Final inspection.
 - 6. Removal of temporary erosion controls.

ATTACHMENT C



ATTACHMENT D TEMPORARY BMPS



Temporary Stormwater Section (TCEQ-0602)

Attachment D — Temporary Best Management Practices and Measures

a. 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.

Temporary sediment ponds will be used for drainage areas that have more than 10 acres of disturbed area at a time. All TBMPs are adequate for the drainage areas they serve.

b. 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.

Site preparation will disturb the largest amount of soil. Therefore, before any of this work can begin, the clearing and grading contractor will be responsible for the installation of all on-site control measures. The methodology for pollution prevention of on-site stormwater will include: (I) erection of silt fences along the downgradient boundary of construction activities for temporary erosion and sedimentation controls, (2) installation of rock berms with silt fencing downgradient from areas of concentrated stormwater flow for temporary erosion control, (3) installation of gravel filter bags downgradient of construction activities for temporary erosion and sedimentation of stabilized construction entrance/exit(s) to reduce the dispersion of sediment from the site, (5) installation of temporary sediment ponds where specified in the construction plans, and (6) installation of construction staging area(s).

Since this mass grading will be performed in phases, prior to the initiation of each grading phase, all previously installed control measures will be repaired or reestablished for their designed or intended purpose. The construction contractor will be responsible for the installation of all remaining on-site control measures that includes installation of the concrete truck washout pit(s), as construction phasing warrants.

ATTACHMENT D



Temporary Stormwater Section (TCEQ-0602)

Temporary measures are intended to provide a method of slowing the flow of runoff from the construction site in order to allow sediment and suspended solidly to settle out of the runoff. By containing the sediment and solids within the Site, they will not enter surface streams and/or sensitive features.

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

There were no naturally-occurring sensitive features observed on the site and no surface streams on, or adjacent, to the project limits. All Temporary BMPs utilized are adequate for the drainage areas served.

Temporary measures are intended to provide a method of slowing the flow of runoff from the construction site in order to allow sediment and suspended solids to settle out of the runoff. By containing the sediment and solids within the site, they will not enter surface streams and/or sensitive features.

d. 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.

There were no naturally-occurring sensitive features observed on the site and no surface streams on, or adjacent, to the project limits. All Temporary BMPs utilized are adequate for the drainage areas served.

Temporary measures are intended to provide a method of slowing the flow of runoff from the construction site in order to allow sediment and suspended solids to settle out of the runoff. By containing the sediment and solids within the site, they will not enter surface streams and/or sensitive features.

ATTACHMENT D



ATTACHMENT F STRUCTURAL PRACTICES



Temporary Stormwater Section (TCEQ-0602)

Attachment F - Structural Practices

The following structural measures will be installed prior to the initiation of site preparation activities:

- Erection of silt fences along the downgradient boundary of construction activities and rock berms with silt fence for secondary protection, as located in the submitted construction plan set.
- Installation of stabilized construction entrance1exit[s] and construction staging area(s), as located in the submitted construction plan set.

The following structural measures will be installed at the initiation of construction activities or as appropriate based on the construction sequencing:

• Installation of concrete truck washout pit(s), as required and located in the submitted construction plan set.

ATTACHMENT F



ATTACHMENT G DRAINAGE AREA MAP

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						DA-OFF 4.1	238,452	0	0	0	5.47
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DA-TEMP POND 2

MASS GRADING PHASE 4

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NEUMANNS WAY

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MASS GRADING PHASE 3

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ATTACHMENT H TEMPORARY SEDIMENT POND(S) PLANS AND CALCULATIONS

TEMPORARY SEDIMENT BASIN CALCULATIONS

=	4.06	in	
=	0.64	in	
) =	3.38	in	

REQUIRED VOLUMES FOR TEMPORARY SEDIMENT BASINS

TEMP POND 1 (DA-TEMP POND 1.0 & 1.1) 21.96 ACRES 6.19 ACRE FEET **REQUIRED SEDIMENT BASIN VOLUME** 9,989.59 CY 22.58 ACRES TEMP POND 2 (DA-TEMP POND 2) **REQUIRED SEDIMENT BASIN VOLUME** 6.37 ACRE FEET 10,272.24 CY 11.31 ACRES TEMP POND 4 (DA-TEMP POND 4) 3.19 ACRE FEET **REQUIRED SEDIMENT BASIN VOLUME** 5,143.92 CY TEMP POND 5 (DA-TEMP POND 5) 26.40 ACRES

Q=	(P-0.2S)^2 (in)	
-	(P+0.8S)	
S=	1000 10	
	10	

Hydrologic CN Soil Group 77 86 Α B 86 C 91 D 94 *Newly graded areas from the NRCS Manual

POND CAPACITIES

	REQUIRED	ACTUAL						
POND NAME	VOLUME (CY)	VOLUME (CY)						
TEMP POND 1	9,990	16,017						
TEMP POND 2	10,272	26,267						
TEMP POND 4	5,144	17,048						
TEMP POND 5	12,009	25,718						

REQUIRED SEDIMENT	BASIN VOLU	JME	7.44	ACRE FEE	ET				
TEMP POND 1									
		AREAPER	PHASE(SF)						
WATERSHEDNAME	PH 1	PH2	PH 3	PH4	MAXAREA (ACRES)				
DA-TEMP POND 1.0	0	0	102,540	366,676	8.42				
DA-TEMP POND 1.1	0	0	0	590,005	13.54				4
TOTAL	0	0	102,540	956,681	21.96				
TEMP POND 2						1		_	///
WATERSHED NAME	PH 1	AREAPER PH2	PHASE(SF)	PH4	MAXAREA (ACRES)				
DA-TEMP POND 2	0	0	983,750	288,607	22.58)`		
TEMP POND 4									
		AREA PER	RPHASE(SF)						
DA-TEMP POND 4	PH 1 492 622	PH2 0	PH 3 74 823	PH 4	MAXAREA (ACRES) 11.31				
	102,022		71,020	1,002					
		AREAPER	PHASE(SF)]			
WATERSHED NAME	PH 1	PH2	PH 3	PH4	MAXAREA (ACRES)	-			A Start
JA- IHMP POND 5	790,903	439,315	127,303	1,150,052	26.40]			A
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POND CAPACITIES

TEMP POND 1

Stage (ft msl)	Pond Depth	Cumulative Pond Depth	Surface Area	Volume	Cumulative
(Elevation)	(ft)	(ft)	(sf)	(cf)	Volume (cf)
1190.00	0.00	0.00	11,493	0	0
1191.00	1.00	1.00	14,650	13,039	13,039
1192.00	1.00	2.00	17,338	15,975	29,014
1193.00	1.00	3.00	20,054	18,679	47,693
1194.00	1.00	4.00	22,892	21,457	69,150
1195.00	1.00	5.00	25,924	24,392	93,543
1196.00	1.00	6.00	28,447	27,176	120,719
1197.00	1.00	7.00	30,894	29,662	150,381
1198.00	1.00	8.00	33,423	32,151	182,532
1199.00	1.00	9.00	36,036	34,722	217,253
1200.00	1.00	10.00	38,734	37,377	254,630
1201.00	1.00	11.00	41,519	40,118	294,749
1202.00	1.00	12.00	44,393	42,948	337,696
1203.00	1.00	13.00	47,361	45,869	383,565
1204.00	1.00	14.00	50,433	48,889	432,454

TEMP POND 2

Stage (ft msl)	Pond Depth	Cumulative Pond Depth	Surface Area	Volume	Cumulative
(Elevation)	(ft)	(ft)	(sf)	(cf)	Volume (cf)
1250.00	0.00	0.00	69,327	0	0
1251.00	1.00	1.00	73,959	71,630	71,630
1252.00	1.00	2.00	77,901	75,921	147,552
1252.30	0.30	2.30	79,060	23,544	171,096
1253.00	0.70	3.00	81,897	56,347	227,443
1254.00	1.00	4.00	85,945	83,913	311,355
1255.00	1.00	5.00	90,047	87,988	399,343
1256.00	1.00	6.00	94,202	92,117	491,460
1257.00	1.00	7.00	98,410	96,298	587,758
1258.00	1.00	8.00	102,671	100,533	688,291
1258.20	0.20	8.20	106,420	20,908	709,199

TEMP POND 4

Stage (ft msl)	Pond Depth	Cumulative Pond Depth	Surface Area	Volume	Cumulative
(Elevation)	(ft)	(ft)	(sf)	(cf)	Volume (cf)
1198.00	0.00	0.00	426	0	0
1199.00	1.00	1.00	9,748	4,071	4,071
1200.00	1.00	2.00	24,643	16,630	20,701
1201.00	1.00	3.00	48,733	36,010	56,711
1202.00	1.00	4.00	69,784	58,944	115,655
1203.00	1.00	5.00	83,922	76,744	192,399
1204.00	1.00	6.00	87,992	85,949	278,348
1205.00	1.00	7.00	90,969	89,476	367,824
1206.00	1.00	8.00	93,977	92,469	460,293

TEMP POND 5

Stage (ft msl)	Pond Depth	Cumulative Pond Depth	Surface Area	Volume	Cumulative
(Elevation)	(ft)	(ft)	(sf)	(cf)	Volume (cf)
1191.00	0.00	0.00	186	0	0
1192.00	1.00	1.00	12,113	4,600	4,600
1193.00	1.00	2.00	79,140	40,738	45,338
1194.00	1.00	3.00	82,918	81,022	126,360
1195.00	1.00	4.00	86,752	84,828	211,187
1196.00	1.00	5.00	90,642	88,690	299,877
1197.00	1.00	6.00	94,589	92,609	392,486
1198.00	1.00	7.00	98,593	96,584	489,070
1199.00	1.00	8.00	102,653	100,616	589,687
1200.00	1.00	9.00	106,770	104,705	694,391



ATTACHMENT I BMP MAINTENANCE



Temporary Stormwater Section (TCEQ-0602)

Attachment I - Inspection and Maintenance for BMPs

Designated and qualified person(s) shall inspect Pollution Control Measures weekly and within 24 hours after a storm event. An inspection report that summarizes the scope of the inspection, names and qualifications of personnel conducting the inspection, date of the inspection, major observations, and actions taken as a result of the inspection shall be recorded and maintained as part of Storm Water TPDES data for a period of three years after the Notice of Termination (NOT) has been filed. A copy of the Inspection Report Form is provided in this Storm Water Pollution Prevention Plan.

As a minimum, the inspector shall observe: (1) significant disturbed areas for evidence of erosion, (2) storage areas for evidence of leakage from the exposed stored materials, (3) structural controls (rock berm outlets, silt fences, drainage swales, etc.) for evidence of failure or excess siltation (over 6 inches deep), (4) vehicle exit point for evidence of off-site sediment tracking, (5) vehicle storage areas for signs of leaking equipment or spills, (6) concrete truck rinse-out pit for signs of potential failure, (7) embankment, spillways, and outlet of sediment basin (where applicable) for erosion damage, and (8) Check sediment basin's embankment, spillways, and outlet for erosion damage, and inspect the embankment for piping and settlement. Repair should be made promptly as needed by the contractor. Trash and other debris within the basins should be removed after each rainfall to prevent clogging of the outlet structure. Accumulated silt within the basins should be removed and the basin should be re- graded to its original dimensions at such point that the capacity of the impoundment has been reduced to 75% of its original storage capacity. The removed sediment should be stockpiled or redistributed in areas that are protected from erosion.

Contractor shall review Sections 1.3 and 1.4 of TCEQ's Technical Guidance Manual for additional BMP inspection and maintenance requirements.

ATTACHMENT I



Temporary Stormwater Section (TCEQ-0602)

ATTACHMENT I



Temporary Stormwater Section (TCEQ-0602)

Pollution Prevention Measure	Inspected in Compliance	Corrective Action Required	
		Description (use additional sheet if necessary)	Date Completed
Best Management Practice	es		
Natural vegetation buffer strips			
Temporary vegetation			
Permanent vegetation			
Sediment control basin			
Silt fences			
Rock berms			
Gravel filter bags	1		
Drain inlet protection			
Other structural controls			
Vehicle exits (off-site tracking)			
Material storage areas (leakage)			
Equipment areas (leaks, spills)			
Concrete washout pit (leaks, failure)			
General site cleanliness			
Trash receptacles			
Evidence of Erosion			
Site preparation		· · · · · · · · · · · · · · · · · · ·	
Roadway or parking lot construction			
Utility construction			
Drainage construction			
Building construction			
Major Observations			
Sediment discharges from site			
BMPs requiring maintenance			
BMPs requiring modification		1	
Additional BMPs required			

____A brief statement describing the qualifications of the inspector is included in this SWP3.

"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 I am an authorized signatory in accordance with the provisions of 30 TAC \$305.128."

Inspector's Name

Inspector's Signature

Date

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Temporary Stormwater Section (TCEQ-0602)

PROJECT MILESTONE DATES

Date when major site grading activities begin:

Dates when construction activities temporarily or permanently cease on all or a portion of the project:

Construction Activity	Date	
4	-	
2		
	-	
·		
	8	
Dates when stabilization measures are initiated:		(1)
Dates when stabilization measures are initiated: Stabilization Activity	Date	140
Dates when stabilization measures are initiated: Stabilization Activity	Date	ų.
Dates when stabilization measures are initiated: Stabilization Activity	Date	3
Dates when stabilization measures are initiated: Stabilization Activity	<u>Date</u>	
Dates when stabilization measures are initiated: Stabilization Activity	<u>Date</u>	
Dates when stabilization measures are initiated: Stabilization Activity	<u>Date</u>	4
Dates when stabilization measures are initiated: Stabilization Activity	<u>Date</u>	

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ATTACHMENT J SCHEDULE OF INTERIM & PERMANENT SOIL STABILIZATION PRACTICES



Temporary Stormwater Section (TCEQ-0602)

Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

Interim on-site stabilization measures, which are continuous, will include minimizing soil disturbances by exposing the smallest practical area of land required for the shortest period of time and maximizing use of natural vegetation. As soon as practical, all disturbed soil will be stabilized as per project specifications in accordance with pages 1-35 to 1-60 of TCEQ's Technical Guidance Manual (TGM) RG-348 (2005). Mulching, netting, erosion blankets and seeding are acceptable.

Stabilization measures will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently teased, and except as provided below, will be initiated no more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable. Stabilization measures in this instance shall comply with temporary stabilization as defined in TXR150000 or as defined otherwise in the landscape plans where applicable.

ATTACHMENT J

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

	Richard Mott	
	Print Name	
	Vice President of Land Development	
	Title - Owner/President/Other	
of	Lennar Homes of Texas Land and Construction, LTD Corporation/Partnership/Entity Name	,
have authorized _	BGE, Inc. Print Name of Agent/Engineer	-
of	BGE, Inc. Print Name of Firm	_

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

- 1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
- 2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
- 3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
- 4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
- 5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

plicant's Signature

THE STATE OF <u>Texas</u> §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared <u>ficharce</u> <u>Molther</u> 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 <u>24</u> day of <u>Sept</u>, <u>2027</u>.

ARY PUBLI

C oshua Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 6-29-24



Owner Authorization Form

Texas Commission on Environmental Quality

for Required Signature Edwards Aquifer Protection Program Relating to 30 TAC Chapter 213 Effective June 1, 1999

Land Owner Authorization

I, Kelly Leach

Land Owner Signatory Name

Canyon Ranch 400 LP

Land Owner Name (Legal Entity or Individual)

am the owner of the property located at

North of FM 306 between Loma Ranch Road and Mystic Canyon, approx 3 miles from US Highway 281 and the FM 306 Intersection

Legal description of the property referenced in the application

and am duly authorized in accordance with §213.4(c)(2) and §213.4(d)(1) or §213.23(c)(2) and §213.23(d) relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize Lennar Homes of Texas Land and Construction, LTD

__ of

Applicant Name (Legal Entity or Individual)

to conduct regulated activities allowed by the approved CZP

Description of the proposed regulated activities

at North of FM 306 between Loma Ranch Road and Mystic Canyon, approx 3 miles from US Highway 281 and the FM 306 Intersection

Precise location of the authorized regulated activities

Land Owner Acknowledgement

I understand that Canyon Ranch 400 LP

Land Owner Name (Legal Entity or Individual)

Is ultimately responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation even if the responsibility for compliance and the right to possess and control the property referenced in the application has been contractually assumed by another legal entity. I further understand that any failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Land Owner Signature	
Kelly h	September 24 2024
	Date
County of §	
BEFORE ME, the undersigned authority, on this day known to me to be the person whose name is subso acknowledged to me that (s)he executed same for t	personally appeared Kelly Leach ribed to the foregoing instrument, and he purpose and consideration therein expressed.
GIVEN under my hand and seal of office on this $\underline{24}$	day of Sept 2024
	Tristy Corles
TRISTAN CORTEZ Notary Public, State of Texas Comm. Expires 07-24-2028 Notary ID 135007178	Tristan Lordez Typed or Printed Name of Notary MY COMMISSION EXPIRES: 7-24-2028

Attached: (Mark all that apply)

Lease Agreement

Signed Contract

Deed Recorded Easement

Other legally binding document
Applicant Acknowledgement

L Richard Mott	of	Lennar Homes of Texas Land and Construction, LTD
Applicant Signatory Name		Applicant Name (Legal Entity or Individual)
acknowledge that Canyon Ranch 4	00 LP	
Land Ov	vner Name (Legal Entity or Individual)
has provided Lennar Homes of Tex	as Land and	Construction, LTD
Applic	ant Name (L	egal Entity or Individual)
with the right to possess and control I understand that Lennar Homes of	the propert Texas Lanc	y referenced in the Edwards Aquifer protection plan. I and Construction, LTD

Applicant Name (Legal Entity or Individual)

is contractually responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation. I further understand that failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Applicant Signature

Applicant Signature

THE STATE OF § Texas

County of § Bexa

BEFORE ME, the undersigned authority, on this day personally appeared Richard Notknown 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 24 day of 3eNOTARY PUBLIC

cate

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 6-29-24



Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: <u>Canyon Ranch Mass Grading</u>								
Regulated Entity Location: North of FM 306 between Loma Ranch Road and Mystic Canyon,								
approximately 3 miles from the US Highway 281 and FM 306 intersection.								
Name of Customer: Lennar Homes of Texas Land and Construction, LTD								
Contact Person: Richard Mott Phone: (210) 889-5516								
Customer Reference Number (if is	Customer Reference Number (if issued):CN 602412207							
Regulated Entity Reference Numb	er (if issued):RN							
Austin Regional Office (3373)								
Have	Travis	□ Will	liamson					
San Antonio Regional Office (336	2)							
	-,		1.1					
Bexar	Medina		lde					
🔀 Comal	🔄 Kinney							
Application fees must be paid by o	check, certified check, or	money order, payable	e to the Texas					
Commission on Environmental Q	uality. Your canceled ch	eck will serve as your	receipt. This					
form must be submitted with you	ir fee payment . This pa	yment is being submit	ted to:					
Austin Regional Office	🖂 Sa	n Antonio Regional Of	fice					
Mailed to: TCEQ - Cashier		vernight Delivery to: TCEQ - Cashier						
Bevenues Section	12	2100 Park 35 Circle						
Mail Code 214	 Bu	lilding A. 3rd Floor						
$P \cap Box 13088$	A	ustin. TX 78753						
Austin TX 78711-3088	(5	12)239-0357						
Site Location (Check All That Ann	(°							
			_					
Recharge Zone	Contributing Zone	Transition Zone						
Type of Pla	an	Size	Fee Due					
Water Pollution Abatement Plan	, Contributing Zone							
Plan: One Single Family Resident	ial Dwelling	Acres	\$					
Water Pollution Abatement Plan	, Contributing Zone							
Plan: Multiple Single Family Resid	dential and Parks	315.17 Acres	\$ 8,000					
Water Pollution Abatement Plan	, Contributing Zone							
Plan: Non-residential	Acres	\$						
Sewage Collection System	L.F.	\$						
Lift Stations without sewer lines	Acres	\$						
Underground or Aboveground St	Tanks	\$						
Piping System(s)(only)		Each	\$					
Exception		Each	\$					
Extension of Time		Each	\$					



Date: <u>7129/2024</u>

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 Area in	
Project	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,	< 1	\$3,000
institutional, multi-family residential, schools, and	1 < 5	\$4,000
other sites where regulated activities will occur)	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

Project	Fee
Extension of Time Request	\$150

4

5.85



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.)													
New Perr	mit, Regis	tration or Authori	zation (Core I	Data Fo	orm she	ould be	subm	itted v	vith th	ne pr	ogram application	n.)	
Renewal	(Core Da	ta Form should b	e submitted v	vith the	renew	al form		C Other					
2. Customer	2. Customer Reference Number (if issued)			Follow	v this lir	nk to se	arch	3. Re	egulat	ted	Entity Reference	e Number (in	'issued)
CN 6024	CN 602412207				or RN	numbe egistry*	rs in -	RN	111	159	2846		
SECTION	ECTION II: Customer Information												
4. General Cu	istomer li	nformation	5. Effective	Date	for Cu	stome	r Inforr	matio	n Upd	date	s (mm/dd/yyyy)		
New Custo	omer			Update	to Cu	stomer	Inform	ation			Change in	Regulated E	ntity Ownership
Change in	Legal Nar	ne (Verifiable wit	h the Texas S	ecreta	ry of St	ate or	Texas	Comp	otroller	er of I	Public Accounts)		
The Custon	mer Nan	ne submitted	here may l	be up	dated	auto	matic	ally	base	ed o	on what is cu	rrent and	active with the
Texas Secr	retary of	State (SOS)	or Texas C	ompl	roller	of Pu	ublic	Acco	ounts	's (C	CPA).		
6. Customer I	Legal Nar	ne (If an individual	, print last nam	e first: e	eg: Doe,	John)		1	fnew	Cus	tomer, enter previ	ous Custome	r below:
Lennar Ho	mes of	Texas Land	and Const	ructio	n, LI	٢D							
7. TX SOS/CP	PA Filing	Number	8. TX State	Tax ID (11 digits)			9. Federal Tax ID (9 digits) 10. DUNS Number (if applica			Number (if applicable)			
								95 - 4 3 3 7 4 9 0					
11. Type of C	ustomer:	Corporati	on	🗌 Individual				Partnership: 🔲 General 🔲 Limited					
Government: [City 🗋 🤇	County 🔲 Federal 🗌] State 🗌 Othe	Sole Proprietorship			ship 🔲 Other:						
12. Number o	f Employ 21-100	ees	251-500		13. Independently Owned and Operated? ⊠ 501 and higher ⊠ Yes No				ted?				
14. Customer	Role (Pro	oposed or Actual) -	as it relates to	the Re	gulated	Entity I	isted on	n this fo	orm. Pi	Please	e check one of the	following	
			or			wner 8	Opera	ator					
	nal Licens	ee 🛛 Respo	nsible Party			oluntar	y Clea	nup A	pplica	ant	Other:		
	100 N	E Loop 410,	Suite 1155	5	8								
15. Mailing													
Aduress.	dress: City San Antonio State TX						ZIP	78	821	6	ZIP + 4		
16. Country N	lailing In	ormation (if outsi	de USA)			-	17. E	-Mail	Addr	ress	(if applicable)		
j			,				rich	ard.	mott	t@]	ennar.com		
18. Telephone	e Numbe			19. E	xtensi	on or (Code			Ť	20. Fax Numbe	r (if applicat	le)
(210) 889	(210) 889-5516									()	-		

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)						
New Regulated Entity	Update to Regulated Entity Name	Update to Regulated Entity Information				
The Regulated Entity Name submitted may be updated in order to meet TCEQ 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.)

Canyon Ranch Mass Grading

23. Street Address of											
No PO Boxes)	City		State		ZIP			ZIP + 4			
24. County	Comal										
		Enter Physical	Location Descript	tion if no stre	et addres	s is pro	vided.				
25. Description to Physical Location:	Approx	kimately 3.6	8 miles northe	ast of Hig	hway 28	31 and	FM 306	intersect	ion.		
26. Nearest City						State		Ne	arest ZIP Code		
Fischer		TX 78070									
27. Latitude (N) In Decin	nal:	29.955		28. L	28. Longitude (W) In Decimal:			98.35278			
Degrees	Minutes		Seconds	Degree	rees		Minutes		Seconds		
29		57	18		98			21 10			
29. Primary SIC Code (4	digits) 30). Secondary S	C Code (4 digits)	31. Primar (5 or 6 digits	y NAICS C	Code	32. S (5 or 6	econdary N digits)	AICS Code		
1521				236117							
33. What is the Primary	Business	of this entity?	(Do not repeat the SI	C or NAICS desc	ription.)						
Single family resid	ential ho	ousing.									
34. Mailing											
Address:	City		State		ZIP			ZIP + 4			
35. E-Mail Address	:					·					
36. Telepho	one Numb	er	37. Extensi	ion or Code		3	88. Fax Nu	mber <i>(if ap</i> ,	olicable)		
()	2007						()			

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	Industrial Hazardous Waste
Municipal Solid Waste	New Source Review Air	OSSF 0	Petroleum Storage Tank	D PWS
Sludge	Storm Water	Title V Air	Tires	Used Oil
Voluntary Cleanup	Waste Water	Wastewater Agriculture	U Water Rights	Other:

SECTION IV: Preparer Information

40. Name:	Stacy Mulh	olland		41. Title:	PE
42. Tele	phone Number	43. Ext./Code	44. Fax Number	45. E-Mail	Address
(210)	581-3637		•() -	smulholl	and@bgeinc.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:	Lennar Homes of Texas Land & Construction, LTD	Job Title:	ASTRA	revision A	BENT
Name (In Print):	Puppers Mor			Phone:	() -
Signature:				Date:	GR4/2024



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 pleas	se describe in space provid	led.)
New Permit, Registration or Authorization (Core	Data Form should be subr	nitted with the program application.)
Renewal (Core Data Form should be submitted	with the renewal form)	Other
2. Customer Reference Number (if issued)	Follow this link to search	3. Regulated Entity Reference Number (if issued)
CN 605941475	for CN or RN numbers in Central Registry**	RN 111592846

SECTION II: Customer Information

4. General C	ustomer l	nformation	5. Effective Da	te for Cus	stomer	r Inform	ation	Updat	es (mm/dd/yyyy)		
New Cust	omer		🗌 Upd	late to Cus	stomer	Informa	tion		Change in	Regulated f	Entity Ownership
Change in	Legal Nai	ne (Verifiable wit	h the Texas Secre	etary of St	ate or	Texas C	ompt	roller of	f Public Accounts)		
The Custo	mer Nar	ne submitted	here may be a	updated	auto	matica	ally l	based	on what is cu	rrent and	active with the
Texas Sec	retary o	f State (SOS)	or Texas Com	ptroller	of Pu	ublic A	cco	unts (CPA).		
6. Customer	Legal Na	ne (If an individua	l, print last name firs	st: eg: Doe,	John)		ļf	new Cu	stomer, enter previ	ious Custom	er below:
Canyon R	anch 40	0 LP									
7. TX SOS/CI	PA Filing	Number	8. TX State Tax	k ID (11 digit	s)		9.	Federa	al Tax ID (9 digits)	10. DUN	S Number (if applicable)
08036415	52		3207456313	34			7	4279	1904		
11. Type of C	ustomer:	Corporati	on		Individ	ual		Pa	rtnership: 🔲 Gener	ral 🔀 Limited	
Government:	City 🗋	County 🔲 Federal 🗌	State 🗌 Other		Sole P	roprieto	rship		Other:		
12. Number (of Employ 21-100	rees	251-500	501 ar	nd high	er	1:	3. Indej Ves	pendently Owned	l and Opera	ated?
14. Custome	r Role (Pr	oposed or Actual) -	- as it relates to the	Regulated	Entity li	isted on l	his fo	m. Plea	se check one of the	following	
Owner		🗌 Operat	tor	0	wner &	Operat	or				
	nal Licens	ee 🗌 Respo	nsible Party	🗌 Va	oluntar	y Clean	up Ap	plicant	Other:		
	1141 1	N Loop 1604	E, Suite 105-	-114							
15. Mailing											
Address:	City	San Antoni	0	State	TX		ZIP	782	32	ZIP + 4	
16. Country	Mailing In	formation (if outsi	ide USA)			17. E-	Mail <i>I</i>	Addres	S (if applicable)		
						kelly	.we	loved	irt@gmail.com	m	
18. Telephon	e Numbe	r	19). Extensio	on or (Code			20. Fax Numbe	er (if applica	ble)
(210)82	7-7918								()	-	

SECTION III: Regulated Entity Information

21. General Regulated Ent	ity Information (If 'New Regulated Entity	" is selected below this form should be accompanied by a permit application)
New Regulated Entity	Update to Regulated Entity Name	Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ 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.)

Canyon Ranch Mass Grading

						-					_	
23. Street Address of												
the Regulated Entity:								·				·
(NU PO BOXES)	City			State		Z	IP			ZIP	+ 4	
24. County	Comal	[
		Enter Ph	ysical Lo	cation Descrip	tion if no s	street	address	s is prov	ided.		_	
25. Description to Physical Location:	Appro	ximatel	y 3.68	miles northe	ast of H	ighv	vay 28	1 and F	FM 300	6 inters	sectio	on.
26. Nearest City								State			Nea	rest ZIP Code
Fischer								TX			780	070
27. Latitude (N) In Deci	mal:	29.9	55		28	. Long	gitude (V	V) In Dec	imal:	98.3	5278	
Degrees	Minutes		S	econds	De	grees		N	linutes			Seconds
29		57		18			98			21		10
29. Primary SIC Code (4	digits) 3	0. Secon	dary SIC	Code (4 digits)	31. Prin (5 or 6 di	nary N gits)	NAICS C	ode	32. S (5 or 6	ieconda 6 digits)	ry NAI	CS Code
1521					23611	7						
33. What is the Primary	Business	of this e	ntity? (Do not repeat the SI	C or NAICS o	lescript	ion.)					
Single family resid	lential ho	ousing.										
34. Mailing												
Address:	City			State			ZIP			ZIF	2 + 4	
35. E-Mail Address												
36. Teleph	one Numb	er		37. Extensi	ion or Coc	le		38	. Fax Nu	ımber (ii	fappli	cable)
()	(•								() -	0]	
. TCEQ Programs and I m. See the Core Data Form	D Numbers instructions	s Check al for additio	l Programs nal guidan	and write in the p	ermits/regis	tration	numbers	that will b	e affected	d by the u	pdates	submitted on thi
Dam Safety	Distr	ricts		Edwards Aq	uifer		Emissio	ons Invent	ory Air	🗌 🗋 İn	dustria	Hazardous Was
Municipal Solid Waste	New	Source R	eview Air	OSSF			Petrole	um Storaç	ge Tank	P\	WS	
Sludge	Stor	m Water		Title V Air		E	Tires			U:	sed Oil	
											.1	
Voluntary Cleanup	Was	te Water		Wastewater	Agriculture	<u> </u>	_ Water F	Rights			ther:	
ECTION IV: Pro	eparer	Inforn	<u>iation</u>									
IO. Stacy Mulho	olland				41. Titl	e:	PE					
2. Telephone Number	43. Ext./C	ode	44. Fax	Number	45. E	Mail	Address					
210) 581-3637			() =	smu	lhol	land@l	bgeinc	.com			
ECTION V: Au	thorize	d Sign	ature									
. By my signature below	, I certify,	to the bes	t of my kr	nowledge, that th	e informat	ion pr	rovided in	n this for	m is true	and con	nplete,	and that I have
nature authority to subm	it this form	on behal	f of the en	tity specified in	Section II,	Field	6 and/or	as requi	red for th	ne update	es to th	e ID numbers

Company:	Canyon Ranch 400 LP	Job Title:		
Name (In Print):	Kelly Lean		Phone:	12101 8277918
Signature:	Yell 1		Date:	Septembra 25702 4
TCEQ-10400 (02/21				Page 2 of 2

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 9, 2022

Kelly Leach Gram Vikas Partners, Inc. 141 N. Loop 1604, 105-114 San Antonio, Texas 78232

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: Canyon Ranch Unit 1; Located approximately 3.66-miles northeast of US Highway 281 and FM 306 intersection; Comal County, 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

Regulated Entity No. RN111346102; Additional ID No. 13001556

Dear Kelly Leach:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Modification for the above-referenced project submitted to the San Antonio Regional Office by BGE, Inc. on behalf of Gram Vikas Partners, Inc. on June 15, 2022. Final review of the CZP was completed after additional material was received on August 11, 2022, and September 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 reauested.

BACKGROUND

The TCEQ approved the original CZP application titled Canyon Ranch Unit 1 by letter dated January 21,2021 (13001410).

TCEQ Region 13 • 14250 Judson Rd. • San Antonio, Texas 78233-4480 • 210-490-3096 • Fax 210-545-4329

Kelly Leach Page 2 September 9, 2022

PROJECT DESCRIPTION

The proposed single-family residential project will have an area increased from 26.02-acres approved January 21, 2021, to 32.34-acres in this project. It will include 112 residential lots and modification to the batch detention pond and adding one (1) vegetative filter strip. The impervious cover will be reduced from 14.04-acres to 13.85-acres (43 percent). Project wastewater will be disposed of by conveyance to the approved Canyon Ranch Wastewater Treatment Plant owned by Gram Vikas Partners, Inc.

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 existing (13001410) (1) batch detention basin, one existing VFS (13001410), and one newly proposed VFS, designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005</u>), will be utilized to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 12,432 pounds of TSS generated from the 13.85- 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 January 21, 2021.
- II. All permanent pollution abatement measures shall be operational prior to occupancy of the facilities within their respective drainage areas.
- 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.

Kelly Leach Page 3 September 9, 2022

- 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 San Antonio 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 San Antonio Regional Office within 30 days of site completion.

Kelly Leach Page 4 September 9, 2022

- 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 San Antonio Regional Office within 30 days of the transfer. A copy of the transfer.
- 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 San Antonio 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 Drew Evans of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4053.

Sincerely, Killian Butter

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

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

cc: Mr. Aaron Neumann, P.E., BGE, Inc. Ms. Stacy Mulholland, EIT, BGE, Inc

Change in Responsibility for Maintenance on Permanent Best Management Practices and Measures

The applicant is no longer responsible for maintaining the permanent best management practice (BMP) and other measures. The project information and the new entity responsible for maintenance is listed below.

Customer:					_
Regulated Entity Name:					_
Site Address:					
City, Texas, Zip: _					
County: _					
Approval Letter Date:					
BMPs for the project: _					
New Responsible Party:	·				_
Name of contact:					
Mailing Address:					
City, State:				Zip:	
Telephone:			FAX:		
Signature of New Respo	onsible Party	 Date			

I acknowledge and understand that I am assuming full responsibility for maintaining all permanent best management practices and measures approved by the TCEQ for the site, until another entity assumes such obligations in writing or ownership is transferred.

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

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

August 26, 2022

Mr. Kelly Leach Gram Vikas Partners, Inc 1141 N Loop 1604, 105-114 San Antonio, Texas 78232

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: Canyon Ranch Unit 2; Located approximately 3.66 miles northeast of the US Hwy 281 and FM 306 intersection; Comal County, 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

Regulated Entity No. RN111356259; Additional ID No. 13001557

Dear Mr. Leach:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Modification for the above-referenced project submitted to the San Antonio Regional Office by BGE, Inc. on behalf of Gram Vikas Partners, Inc. on June 15, 2022. Final review of the CZP Modification was completed after additional material was received on August 3, 2022, and August 18, 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 original Canyon Ranch Unit 2 CZP (13001422) was approved by letter, dated January 28, 2022. The residential project had a site area of 14.55 acres and included the construction of 49 single-family residential lots with associated roadways. The impervious cover was approved to be 8.72 acres. One previously approved batch detention basin (13001410), one new batch detention basin, and one new engineered vegetative filter strip (VFS) were approved to treat stormwater generated by the project.

TCEQ Region 13 • 14250 Judson Rd. • San Antonio, Texas 78233-4480 • 210-490-3096 • Fax 210-545-4329

Mr. Kelly Leach Page 2 August 26, 2022

PROJECT DESCRIPTION

The proposed residential project will have an area of approximately 14.55 acres. It will include the construction of 46 single-family lots with associated roadways and modifications to the previously approved batch detention basin (13001422) and engineered VFS (13001422). The impervious cover will be 6.03 acres (41.44 percent). Project wastewater will be disposed of by conveyance to the existing Canyon Ranch Wastewater Treatment Plant owned by the Canyon Ranch Municipal Utility District.

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 batch detention basin from Unit 1 (13001410), a second batch detention basin and an engineered VFS, designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)</u>, will be utilized and constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 5,413 pounds of TSS generated from the 6.03 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 January 28, 2022.
- II. All permanent pollution abatement measures shall be operational prior to first occupancy of the homes within their respective drainage areas.
- III. 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.

Mr. Kelly Leach Page 3 August 26, 2022

- 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 San Antonio 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 San Antonio Regional Office within 30 days of site completion.

Mr. Kelly Leach Page 4 August 26, 2022

- 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 San Antonio Regional Office within 30 days of the transfer. A copy of the transfer.
- 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 San Antonio 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 Mr. Joshua Vacek of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210-403-4028.

Sincerely,

Lillian Butter

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

LIB/jv

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

cc: Ms. Stacy Mulholland, EIT, BGE, Inc.

Change in Responsibility for Maintenance on Permanent Best Management Practices and Measures

The applicant is no longer responsible for maintaining the permanent best management practice (BMP) and other measures. The project information and the new entity responsible for maintenance is listed below.

Customer:					_
Regulated Entity Name:					_
Site Address:					
City, Texas, Zip: _					
County: _					
Approval Letter Date:					
BMPs for the project: _					
New Responsible Party:	·				_
Name of contact:					
Mailing Address:					
City, State:				Zip:	
Telephone:			FAX:		
Signature of New Respo	onsible Party	 Date			

I acknowledge and understand that I am assuming full responsibility for maintaining all permanent best management practices and measures approved by the TCEQ for the site, until another entity assumes such obligations in writing or ownership is transferred.

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

Jon Niermann, *Chairman* Bobby Janecka, *Commissioner* Catarina R. Gonzales, *Commissioner* Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 14, 2024

Ms. Kelly Leach Gram Vikas Partners, Inc. 1141 N Loop 1604 San Antonio, Texas, 78232

Re: Approval of a Modification of an approved Contributing Zone Plan (CZPMOD) Canyon Ranch Unit 3; Located approximately 3.68 miles northeast of Hwy 281 and FM 306 intersection; Comal County, Texas Edwards Aquifer Protection Program ID: 13001922, Regulated Entity No. RN111592846

Dear Ms. Leach:

The Texas Commission on Environmental Quality (TCEQ) has completed its review on the application for the above-referenced project submitted to the Edwards Aquifer Protection Program (EAPP) by BGE, Inc. on behalf of the applicant, Gram Vikas Partners, Inc. on April 24, 2024. Final review of the application was completed after additional material was received on June 11, 2024.

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

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

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

BACKGROUND

The original Canyon Ranch Unit 3 was approved by letter dated December 16, 2022. The 46.56acre site was approved to consist of 24.28-acres of impervious cover. One (1) batch detention basin (Unit 3 Pond) was approved to treat stormwater generated by the project.

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

Ms. Kelly Leach Page 2 June 14, 2024

PROJECT DESCRIPTION

The current modification proposes to decrease the impervious cover and increase the weir structure length to the Unit 3 batch detention basin. The impervious cover will now be 23.26-acres (49.96 percent). Project wastewater will be disposed of by conveyance to the existing Canyon Ranch Wastewater Treatment Plant owned and operated by Corix Utilities of Texas.

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 (1) previously approved batch detention basin (Unit 3 Pond – AI: 13001650), designed using the TCEQ technical guidance, *RG-348, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices*, will be implemented to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 20,878 pounds of TSS generated from the 23.26-acres of impervious cover. The approved permanent BMPs and measures meet the required 80 percent removal of the increased load in TSS caused by the project.

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

SPECIAL CONDITIONS

I. This modification is subject to all the special and standard conditions listed in the approval letter dated December 16, 2022.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

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

Ms. Kelly Leach Page 3 June 14, 2024

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

During Construction:

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

After Completion of Construction:

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

Ms. Kelly Leach Page 4 June 14, 2024

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

This action is taken as delegated by the executive director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Hunter Patterson of the Edwards Aquifer Protection Program at (210) 403-4026 or the regional office at 512-339-2929.

Sincerely, Wil

Lori Wilson, Regional Director Austin Region Texas Commission on Environmental Quality

LW/hhp

cc: Ms. Stacy Mulholland, P.E., BGE, Inc.







NOTES:

- 1. ALL PROPOSED ELEVATIONS WITHIN LOTS AND ROW ARE FINAL FINISHED GRADE ELEVATION/FUTURE TOP OF PAVEMENT ELEVATIONS.
- 2. ALL CUT AND FILL NUMBERS WITHIN THE ROW ARE CALCULATED TO PROPOSED SUBGRADE OF THE ROADWAY BASED ON THE MOST CURRENT GEOTECH REPORT FOR THE PROJECT.
- 3. CONTRACTOR TO MAINTAIN POSITIVE GRADE TO DRAIN STORMWATER RUNOFF ON SITE.

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- 1. ALL PROPOSED ELEVATIONS WITHIN LOTS AND ROW ARE FINAL FINISHED GRADE ELEVATION/FUTURE TOP OF PAVEMENT ELEVATIONS.
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NOTES:

- 1. ALL PROPOSED ELEVATIONS WITHIN LOTS AND ROW ARE FINAL FINISHED GRADE ELEVATION/FUTURE TOP OF PAVEMENT ELEVATIONS.
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- 3. CONTRACTOR TO MAINTAIN POSITIVE GRADE TO DRAIN STORMWATER RUNOFF ON SITE.
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- 1. USE ONLY OPEN GRADED ROCK 4-8 INCHES DIAMETER FOR STREAM FLOW CONDITION; USE
- 2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 1
- 3. THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN WIRE SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE
- 4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 12 INCHES, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF AT AN

COMPLIANCE CHECKLIST:

- PERIMETER CONTROLS: INSTALL ESC'S (EROSION SEDIMENT CONTROLS) ALONG THE BACK OF THE CURB AND ALONG THE LOT LINE OF ADJACENT PROPERTIES, WHICH ARE DOWNHILL AND RECEIVE RUNOFF FROM YOUR LOT. FOLLOWING SIDEWALK INSTALLATION, ESC'S SHOULD BE REMOVED TO THE BACK OF THE SIDEWALK TO PREVENT SEDIMENT FROM REACHING THE SIDEWALK. MAINTAIN ESC'S TO ENSURE PROPER FUNCTION, INCLUDING REPAIR OR REPLACEMENT OF TORN, DEGRADED OR OTHERWISE INEFFECTIVE MATERIALS. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE PROTECTION.
- STOCKPILES: INSTALL SEDIMENT CONTROLS AROUND STOCKPILES TO PREVENT SEDIMENT FROM REACHING THE STREET AND ADJACENT PROPERTIES. LOCATE STOCKPILES AWAY FROM THE STREET, PROPERTY LINES AND DRAINAGE WAYS.
- 3. LOT ACCESS: REQUIRED FOR EACH INDIVIDUAL LOT. MAINTAIN A SURFACE SUITABLE FOR PARKING AND UNLOADING TO PREVENT THE TRACKING OF MUD AND ROCK ONTO THE STREET. A MINIMUM 6-INCH DEPTH OF 3- TO 5-INCH AGGREGATE IS SUGGESTED. ALL VEHICLES THAT ACCESS THE LOT MUST USE THE CONSTRUCTION ENTRANCE. ANY SOILS THAT ARE TRUCKED ONTO THE STREET MUST BE REMOVED BY THE END OF THE DAY.
- 4. INTERMEDIATE CONTROL: LONG OR STEEP DRAINAGE PATHS MAY REQUIRE INTERMEDIATE OR INTERIOR ESC'S TO HELP SLOW THE FLOW OF RUNOFF. FAILURE OF PERIMETER CONTROLS DUE TO THE FORCE OF RUNOFF OFTEN DETERMINE THE NEED FOR INTERMEDIATE CONTROLS.
- HOUSEKEEPING: PROVIDE ADEQUATE SANITARY FACILITIES, TRASH/REFUSE BINS, AND 5. DESIGNATED CONCRETE WASHOUT.

CONTRACTOR/BUILDERS RESPONSIBILITY:

- INSTALL NEEDED EROSION AND SEDIMENT CONTROL PRACTICES PRIOR TO ANY LAND DISTURBANCE TO PREVENT EXCESSIVE SEDIMENT FROM LEAVING THE SITE.
- 2. PERIODIC INSPECTION AND MAINTENANCE ARE VITAL TO THE PERFORMANCE OF EROSION AND SEDIMENT CONTROLS. IT IS RECOMMENDED THAT ALL TEMPORARY EROSION CONTROLS BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL.
- MAINTENANCE: ESC (EROSION SEDIMENT CONTROLS) SHOULD BE ROUTINELY INSPECTED AND MAINTAINED UNTIL SITE IS PERMANENTLY VEGETATED. SOMETIMES ROUTINE INSPECTIONS MAY SHOW A NEED FOR ADJUSTMENTS OR ADDITIONAL ESC'S.
- 4. SUBMIT A NOTICE OF TERMINATION (NOT) TO THE TCEQ AND LOCAL MS4 WHEN CONSTRUCTION IS COMPLETE.
- REVEGETATE THE SITE: PREVENT EROSION ON INDIVIDUAL LOTS WITH GROUND COVER. EXISTING TREES AND VEGETATION SHOULD BE PROTECTED TO HELP MAINTAIN A STABLE GROUND SURFACE AND PREVENT LOSS OF VALUABLE TOPSOIL. EROSION CONTROL BLANKETS, MATTING AND MULCHES CAN HELP STABILIZE THE AREA UNTIL PERMANENT VEGETATION IS ESTABLISHED. THE SITE NEEDS TO HAVE AT LEAST 70 PERCENT COVER OF PERMANENT VEGETATION BEFORE ESC'S CAN BE REMOVED.

NOTES:

ENGINEERING FILTER STRIPS

1. THE FILTER STRIP SHOULD EXTEND ALONG THE ENTIRE LENGTH OF THE CONTRIBUTING AREA AND THE SLOPE SHOULD NOT EXCEED 20%. THE MINIMUM DIMENSION OF THE FILER STRIP (IN THE DIRECTION OF FLOW) SHOULD BE NO LESS THAN 15 FEET. THE MAXIMUM WIDTH (IN THE FLOW OF DIRECTION) OF THE CONTRIBUTING IMPERVIOUS AREA SHOULD NOT EXCEED 72 FEET. FOR ROADWAYS WITH A VEGETATED STRIP ALONG BOTH SIDES OF THE TOTAL WIDTH OF THE ROADWAY SHOULD NOT EXCEED 144 FEET.

2. THE MINIMUM VEGETATED COVER FOR ENGINEERED STRIPS IS 80%.

3. THE AREA CONTRIBUTING RUNOFF TO A FILTER STRIP SHOULD BE RELATIVELY FLAT SO THAT THE RUNOFF IS DISTRIBUTED EVENLY TO THE VEGETATED AREA WITHOUT THE USE OF A LEVEL SPREADER.

4. THE AREA TO BE USED FOR THE STRIP SHOULD BE FREE OF GULLIES OR RILLS THAT CAN CONCENTRATE OVERLAND FLOW.

5. THE TOP EDGE OF THE FILTER STRIP ALONG THE PAVEMENT WILL BE DESIGNED TO AVOID THE SITUATION WHERE RUNOFF WOULD TRAVEL ALONG THE TOP OF THE FILTER STRIP, RATHER THAN THROUGH IT.

6. TOP EDGE OF THE FILTER STRIP SHOULD BE LEVEL, OTHERWISE RUNOFF WILL TEND TO FORM A CHANNEL IN THE LOW SPOT. A LEVEL SPREADER SHOULD NOT BE USED TO DISTRIBUTE RUNOFF TO AND ENGINEERED FILTER STRIP.

7. FILTER STRIPS SHOULD BE LANDSCAPED AFTER OTHER PORTIONS OF THE PROJECT ARE COMPLETED.

INTERIM FILTER STRIPS

1. THE FILTER STRIP AREA MUST BE 50% OF THE SIZE OF THE CONTRIBUTING IMPERVIOUS COVER.

2. TOP EDGE OF THE FILTER STRIP SHOULD BE LEVEL; OTHERWISE, RUNOFF WILL TEND TO FORM A CHANNEL IN THE LOW SPOT. IF A LEVEL SPREADER IS USED (IS IS ONLY ALLOWED FOR INTERIM USE) TO DISTRIBUTE RUNOFF TO THE FILTER STRIP, IT MUST BE LINED OR BE CONSTRUCTED OF IMPERMEABLE MATERIALS (CONCRETE).

3. THE AREA TO BE USED FOR THE STRIP SHOULD BE FREE OF GULLIES OR RILLS THAT CAN CONCENTRATE OVERLAND FLOW.

4. FILTER STRIPS SHOULD BE LANDSCAPED AFTER OTHER PORTIONS OF THE PROJECT ARE COMPLETED AND VEGETATION COVERAGE SHOULD BE AT LEAST 80%.

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NYON RANCH MASS GRADING		CONTROL DFTAILS SHFFT 1 OF 2	
canyon ranch mass grading		N CONTROL DFTAILS SHFFT 1 OF 2	
CANYON RANCH MASS GRADING		SION CONTROL DETAILS SHEFT 1 OF 2	
CANYON RANCH MASS GRADING		ROSION CONTROL DETAILS SHEFT 1 OF 2	
CANYON RANCH MASS GRADING		FROSION CONTROL DFTAILS SHFFT 1 OF 2	
CANYON RANCH MASS GRADING	FTE	FROSION CONTROL DETAILS SHEFT 1 OF 2	
CANYON RANCH MASS GRADING	LHO	FROSION CONTROL DETAILS SHEFT 1 OF 2	
CANYON RANCH MASS GRADING	LHO	FROSION CONTROL DFTAILS SHFFT 1 OF 2	
CANYON RANCH MASS GRADING	LHO ALT	FROSION CONTROL DETAILS SHEFT 1 OF 2	

 $\langle 3 \rangle \frac{\text{J-HOOK DETAIL}}{\text{N.T.S.}}$

