## LONE STAR LANDING PHASE 1 CONTRIBUTING ZONE PLAN

Submitted to:

Texas Commission on Environmental Quality<br>Region 11 Field Office (Austin)<br>12100 Park 35 Circle, Bldg. A, Rm 179<br>Austin TX 78753

Submitted by / Agent:
Eli Engineering, PLLC 700 Theresa Cove
Cedar Park, TX 78613
Office: (512) 658-8095
Attn: Gary Eli Jones, P.E.

Owner / Applicant:
LONE STAR LANDING TEXAS, LLC
3320 PRENTISS LANE
LEANDER, TX 78641
Voice: 512-761-8025
Attn: Mr. Mallik Gillakatulla


## Texas Commission on Environmental Quality Edwards Aquifer Application Cover Page

## Our Review of Your Application

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

## Administrative Review

1. Edwards Aquifer applications must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.
To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: http://www.tceq.texas.gov/field/eapp.
2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

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

## Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be
clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.
3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied the application fee will be forfeited.
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

## Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.
Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a "MidReview 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: Lone Star Landing Phase 1 |  |  |  |  | 2. Regulated Entity No.: |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3. Customer Name: Texas Lone Star Landing, LLC |  |  |  |  | 4. Customer No.: |  |  |  |
| 5. Project Type: (Please circle/check one) |  | Modification |  |  | Extension |  | Exception |  |
| 6. Plan Type: (Please circle/check one) | WPAP CZP | SCS | UST | AST | EXP | EXT | Technical Clarification | Optional Enhanced Measures |
| 7. Land Use: (Please circle/check one) | Residential | Non-residential |  |  |  | 8. Site (acres): |  | 15.366 Ac |
| 9. Application Fee: | \$4,000 | 10. Permanent BMP(s): |  |  |  |  | <Batch Detention |  |
| 11. SCS (Linear Ft.): | N/A | 12. AST/UST (No. Tanks): |  |  |  |  | N/A |  |
| 13. County: | Williamson | 14. Watersheds: |  |  |  |  | Brushy Creek |  |

## Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the "Texas Groundwater Conservation Districts within the EAPP Boundaries" map found at:
http://www.tceq.texas.gov/assets/public/compliance/field ops/eapp/EAPP\%20GWCD\%20map.pdf
For more detailed boundaries, please contact the conservation district directly.

| Austin Region |  |  |  |
| :---: | :---: | :---: | :---: |
| County: | Hays | Travis | Williamson |
| Original (1 req.) | - | - | - |
| Region (1 req.) | - | - | - |
| County(ies) | - | - | - |
| Groundwater Conservation District(s) | __ Edwards Aquifer Authority __Barton Springs/ Edwards Aquifer _Hays Trinity __Plum Creek | $\qquad$ Barton Springs/ Edwards Aquifer | NA |
| City(ies) Jurisdiction |  | __Austin _Bee Cave __Pflugerville __Rollingwood __Round Rock __Sunset Valley __West Lake Hills | __Austin __Cedar Park ___Georgence __Jerrell _X_Leander -_Liberty Hill __Pflugerville __Round Rock |


| San Antonio Region |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| County: | Bexar | Comal | Kinney | Medina | Uvalde |
| Original (1 req.) | - | - | - | - | - |
| Region (1 req.) | - | - | - | - | - |
| County(ies) | - | - | - | - | - |
| Groundwater Conservation District(s) | $\qquad$ Edwards Aquifer Authority _Trinity-Glen Rose | __Edwards Aquifer | Kinney | __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 __Sew Braunfels __Schertz | NA | $\begin{aligned} & \quad \text { San } \\ & \text { Antonio ETJ } \\ & \text { (SAWS) } \end{aligned}$ | 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.

Gary Eli Jones, P.E.


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

## Contributing Zone Plan Application

## Texas Commission on Environmental Quality

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

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

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

## Signature

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

Print Name of Customer/Agent: Gary Eli Jones, P.E.
Date: $\underline{2 / 17 / 2024}$
Signature of Customer/Agent:


Regulated Entity Name: Lone Star Landing Phase 1

## Project Information

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

Contact Person: Mallik Gilakatulla
Entity: Lone Star Landing Texas, LLC
Mailing Address: 3220 Prentiss Lane
City, State: Leander, TX
Telephone: 512-761-8025

Zip: 78641
Fax: N/A

Email Address: mallik246@gmail.com
5. Agent/Representative (If any):

Contact Person: Gary Eli Jones, P.E.
Entity: Eli Engineeing, PLLC
Mailing Address: 700 Theresa Cove
City, State: Cedar Park, TX
Telephone: 512-658-8095
Zip: 78613

Email Address: gejtexas@gmail.com
Fax: N/A
6. Project Location:

邓 The project site is located inside the city limits of Leander.
$\square$ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of $\qquad$ .
$\square$ The project site is not located within any city's limits or ETJ.
7. $\boxtimes$ 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.

800 CR 177, Leander, TX 78641
8. $\boxtimes$ 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. $\boxtimes$ Attachment B - USGS Quadrangle Map. A copy of the official $71 / 2$ minute USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) clearly show:
$\measuredangle$ 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 siteOffsite areas
Impervious cover
Xermanent BMP(s)
$\triangle$ Proposed site use
$\triangle$ Site history
XPrevious development
Area(s) to be demolished
11. Existing project site conditions are noted below:


Existing paved and/or unpaved roadsUndeveloped (Cleared)
Undeveloped (Undisturbed/Not cleared)
Other: $\qquad$
12. The type of project is:Residential: \# of Lots: 48Residential: \# of Living Unit Equivalents: $\qquad$
Commercial
Industrial
$\square$ Other: $\qquad$
13. Total project area (size of site): $\underline{\text { 15.366 }}$ Acres

Total disturbed area: 15.366 Acres
14. Estimated projected population: 48 Single Family homes
15. The amount and type of impervious cover expected after construction is complete is shown below:

Table 1 - Impervious Cover

| Impervious Cover of <br> Proposed Project | Sq. Ft. | Sq. Ft./Acre | Acres |
| :---: | :---: | :---: | :---: |
| Structures/Rooftops | 168000 | $\div 43,560=$ | 3.86 |
| Parking |  | $\div 43,560=$ |  |
| Other paved surfaces | 91960 | $\div 43,560=$ | 2.11 |
| Total Impervious <br> Cover | 259,960 | $\div 43,560=$ | 5.97 |

Total Impervious Cover $\underline{5.97} \div$ Total Acreage $\underline{15.366 \times 100=\underline{39} \% \text { Impervious Cover }}$
16. $\boxtimes$ 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. O 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: $\qquad$
20. Right of Way (R.O.W.):

Length of R.O.W.: $\qquad$ feet.
Width of R.O.W.: $\qquad$ feet.
LxW = $\qquad$ $\mathrm{Ft}^{2} \div 43,560 \mathrm{Ft}^{2} /$ Acre $=$ $\qquad$ acres.
21. Pavement Area:

Length of pavement area: $\qquad$ feet.
Width of pavement area: $\qquad$ feet.
$\mathrm{L} \times \mathrm{W}=$ $\qquad$ $\mathrm{Ft}^{2} \div 43,560 \mathrm{Ft}^{2} /$ Acre $=$ $\qquad$ acres.
Pavement area $\qquad$ acres $\div$ R.O.W. area $\qquad$ acres $\times 100=$ $\qquad$ \% impervious cover.
22. $\square$ A rest stop will be included in this project.A rest stop will not be included in this project.
23. $\square$ Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

## Stormwater to be generated by the Proposed Project

24. $\boxtimes$ 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. $\square$ 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:
$\square$ On-Site Sewage Facility (OSSF/Septic Tank):
Attachment F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.
Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.

Sewage Collection System (Sewer Lines):
The sewage collection system will convey the wastewater to the Leander (name) Treatment Plant. The treatment facility is:


Existing.
Proposed.
N/A
Permanent Aboveground Storage Tanks(ASTs) $\geq 500$ Gallons

Complete questions 27-33 if this project includes the installation of AST(s) with volume(s) greater than or equal to $\mathbf{5 0 0}$ gallons.
【N/A
27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

| AST Number | Size (Gallons) | Substance to be <br> Stored | Tank Material |
| :---: | :---: | :---: | :---: |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |

Total $\times 1.5=$ $\qquad$ Gallons
28. $\square$ The AST will be placed within a containment structure that is sized to capture one and one-half ( $11 / 2$ ) times the storage capacity of the system. For facilities with more than
one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

Attachment G - Alternative Secondary Containment Methods. Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are attached.
29. Inside dimensions and capacity of containment structure(s):

Table 3 - Secondary Containment

| Length (L)(Ft.) | Width(W)(Ft.) | Height (H)(Ft.) | Lx W x H = (Ft3) | Gallons |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Total: $\qquad$ 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. $\square$

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:
$\qquad$ .
32.
$\square$ Attachment H-AST Containment Structure Drawings. A scaled drawing of the containment structure is attached that shows the following:
$\square$ 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. $\square$ 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. $\triangle$ The Site Plan must have a minimum scale of 1 " $=400$ '.

Site Plan Scale: 1" = 50'.
35. 100-year floodplain boundaries:

Q Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
$\square$ No part of the project site is located within the 100-year floodplain.
The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA FIRM Map / Map Service Center / 48491C0460F Eff. 12/20/2019.
36. $\boxtimes$ 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.
$\square$ 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. $\boxtimes$ A drainage plan showing all paths of drainage from the site to surface streams.
38. $\boxtimes$ The drainage patterns and approximate slopes anticipated after major grading activities.
39. $\boxtimes$ Areas of soil disturbance and areas which will not be disturbed.
40. $\boxtimes$ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
41. $\boxtimes$ Locations where soil stabilization practices are expected to occur.
42. $\square$ Surface waters (including wetlands).

】 N/A
43. $\square$ Locations where stormwater discharges to surface water.
$\triangle$ There will be no discharges to surface water.
44. $\square$ Temporary aboveground storage tank facilities.

X Temporary aboveground storage tank facilities will not be located on this site.
46. $\boxtimes$ 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. $\boxtimes$ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
48. $\boxtimes$ 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.
$\square$ 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: $\qquad$ .
$\square$ N/A
49. Ø 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 $\S 213.4(\mathrm{~g})$ (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.
$\square$ The site will be used for low density single-family residential development but has more than $20 \%$ impervious cover.
$\square$ The site will not be used for low density single-family residential development.
51. The executive director may waive the requirement for other permanent BMPs for multifamily 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.
$\square$ 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.
$\square$ The site will be used for multi-family residential developments, schools, or small business sites but has more than $20 \%$ impervious cover.
$\boxtimes$ The site will not be used for multi-family residential developments, schools, or small business sites.
52. $\triangle$ Attachment J - BMPs for Upgradient Stormwater.
$\square$ 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.
$\square$ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.
$\boxtimes$ 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. Ø 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.
$\square$ 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. $\boxtimes$ Attachment $\mathbf{M}$ - Construction Plans. Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are
attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

N/A
56.

Attachment $\mathbf{N}$ - 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:
$\boxtimes$ 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.
$\boxtimes$ Contains a discussion of record keeping procedures
$\square$ N/A
57. $\square$ 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. $\boxtimes$ 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.
$\square$ N/A

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

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

## Administrative Information

61. $\boxtimes$ 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. $\boxtimes$ 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. $\qquad$ 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 $\S 213.24(1-5)$ of the technical report. All requirements of 30 TAC $\S 213.24(1-5)$ have been met by the SWPPP document.

【 The Temporary Stormwater Section (TCEQ-0602) is included with the application.



ELI ENGINEERING
Firm \# 17877

April 8, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

## Re: Lone Star Landing Phase 1 Subdivision Contributing Zone Permit Attachment C-Project Narrative

To Whom It May Concern:
The application for the Contributing Zone Permit for this project located on the north side of CR 177 in Leander, Tx, west and upstream of Brushy Creek. The project includes 48 single family lots that are a minimum of 9000 SF each. The project is in the city limits of Leander, TX. There is 15.366 acres included in the subdivision consisting of the following:

| Description | Lots | Area (Ac) |
| :--- | :--- | :---: |
| Single Family Lots (9000 SF Min) | 48 | 10.58 |
| Open Space / HOA Lots | 4 | 2.11 |
| ROW |  | 2.68 |
| Totals | 52 | 15.37 |

Impervious cover for the entire project is summarized in the chart below.
Table 1 - Impervious Cover

| Impervious Cover of <br> Proposed Project | Sq. Ft. | Sq. Ft./Acre | Acres |
| :---: | :---: | :---: | :---: |
| Structures/Rooftops | 168000 | $\div 43,560=$ | 3.86 |
| Parking |  | $\div 43,560=$ |  |
| Other paved surfaces | 91960 | $\div 43,560=$ | 2.11 |
| Total Impervious <br> Cover | 259,960 | $\div 43,560=$ | 5.97 |

The project has an upgradient drainage area of 36.5 acres that is conveyed through the property and bypassing the proposed batch detention pond. There is also an onsite area of 1.31 acres on the eastern boundary that will be released untreated to the adjacent property. This area will be the back side of the houses that fall away from the collection system in the roadway. The impervious cover accounted for in this area is compensated for in the proposed pond. There is a proposed stormwater collection system in the subdivision that will collect the site drainage and convey to a proposed batch detention pond in the SE corner of the property. The outlet for the pond will discharge just upstream of the FEMA Floodplain that is part of the Brushy Creek watershed. The project
includes water and wastewater lines to serve the subdivision which will all be dedicated to the City of Leander for maintenance. Temporary erosion control is included in the plan during construction. The SWPPP will be included in the construction phase with the required inspections until permanent vegetation is established. The project requires a total of 27,908 CF of water quality storage for the proposed Batch Detention pond. Calculations for the project are included in this report as well as the full construction plans.

On Sheet 24 of 52 in the Construction Plan set, we have included an exhibit showing the initial Phase 1 limits of construction to be 4.48 acres. The streets, utilities, batch detention pond will all be construction initially. The lot grading with be done with the home construction after the pond is constructed and in place. Therefore a settling pond is not required for the project.

If you have any questions or need further assistance, please call me at 512-658-8095.

## Sincerely,



Gary Eli Jones, P.E.
Authorized Agent

ELI ENGINEERING

February 17, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

Re: Lone Star Landing Phase 1
Contributing Zone Permit
Attachment D-Factors Affecting Surface Water Quality
To Whom It May Concern:
Factors which could affect the quality of surface water and groundwater are the parking and use of motor vehicles on the streets and homes on the site. This includes the emission of certain hydrocarbon based substances as well as the tracking of silt. Also, the maintenance of irrigated areas could affect the quality of surface and groundwater through runoff of chemical fertilizers or pesticides.

If you have any questions or need further assistance, please call me at 512-658-8095.

Sincerely,


Gary Eli Jones, P.E.
Authorized Agent

February 18, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

## Re: Lone Star Ranch Phase 1 Contributing Zone Permit Attachment E-Volume and Character of Stormwater

To Whom It May Concern:
The 36.5 acre offsite area will be conveyed through the property via a series of box culverts and channels. The volume of offsite conveyance which bypasses the proposed Batch Detention pond is summarized as follows:

| EXISTING |  |  | IMPERVIOUS |  |  | GRASS |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Drainage | Total Area | Total Area | Area Impervious | Area Impervious | Area Impervious | Area Grass | Area Grass | Area Grass |
|  | (Ac) | (sf) | (sf) | (Ac) | (\%) | (sf) | (Ac) | (\%) |
| OFFSITE | 36.48 | 1,589,069 | 0 | 0.00 | 0.0\% | 1,589,069 | 36.48 | 100.0\% |


|  | Existing Conditions |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2 yr | 10 yr | 25 yr | 100 yr |
| OFFSITE | 64.28 | 116.83 | 155.92 | 225.89 |

The onsite drainage conveyed to the batch pond will include 13.22 acres and the bypass area is 2.16 acres. The existing and proposed summary of the onsite drainage is summarized below:

| Drainage Basin Characteristice-Exieting Conditions |  |  |  |  | $\begin{gathered} \text { Q2 } \\ \text { (cfs) } \end{gathered}$ | $\begin{aligned} & \text { Q10 } \\ & \text { (cfs) } \end{aligned}$ | $\begin{aligned} & \text { Q25 } \\ & \text { (cfs) } \end{aligned}$ | $\begin{aligned} & \text { Q100 } \\ & \text { (cfs) } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Drainage Araa | Area (Acres) | IC. (\%) | Curve No. | $\begin{gathered} \mathrm{Tc} \\ (\mathrm{~min}) \end{gathered}$ |  |  |  |  |
| EXDA-1 | 15.37 | 0.0\% | 65 | 16.07 | 18.04 | 49.55 | 74.00 | 119.20 |
| Drainage Basin Characteristics . Proposed Conditions |  |  |  |  |  |  |  |  |
| Drainage Area | Area (Acres) | I.C. (\%) | Curve No. | $\begin{gathered} \mathrm{Tc} \\ (\mathrm{~min}) \end{gathered}$ | $\begin{gathered} \hline \text { Q2 } \\ (\mathrm{cff}) \end{gathered}$ | $\begin{aligned} & \text { Q10 } \\ & \text { (cfs) } \end{aligned}$ | $\begin{aligned} & \text { Q25 } \\ & \text { (cfs) } \end{aligned}$ | $\begin{aligned} & \text { Q100 } \\ & \text { (cfs) } \end{aligned}$ |
| PR DA-1 | 13.22 | 43.68\% | 65 | 5.00 | 42.28 | 76.95 | 102.50 | 148.32 |
| PR DM 2 | 2.15 | 0.35\% | 65 | 5.00 | 4.85 | 11.60 | 16.70 | 26.14 |
| AP-1 | ANALYSIS POINT |  |  |  | 17.29 | 46.72 | 72.16 | 118.51 |

The proposed pond mitigates peak flow rates for the 2, 10, 25 and 100 year storm events. As required, the batch detention system will detain the water quality volume for a 12 -hour period from when rain is detected before the valve is opened to release the remaining storm water in the pond within 48 hours. The proposed 6inch line drains the 28,000 CF of WQ volume in just over 5 hours ( 5.34 calculated).

If you have any questions or need further assistance, please contact me at 512-658-8095.


Gary Eli Jones, P.E.
Authorized Agent
$\overline{\text { ELI }}=\overline{\text { ENGINEERING }}$

February 18, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

## Re: Lone Star Landing Phase 1 <br> Contributing Zone Permit <br> Attachment J-BMPs for Upgradient Stormwater

To Whom It May Concern:
The drainage areas upstream of the project will be conveyed through the property via a series of box culverts and channels to the SE corner of the property just upstream of the Brushy Creek floodplain. The upstream area draining through the property is 36.5 acres which results in peak flow rates of 156 cfs for the 25 year storm and 226 cfs for the 100 year storm. There are no BMP's proposed for the upstream drainage area. The entire area will bypass the proposed batch detention pond.

If you have any questions or need further assistance, please contact me at 512-658-8095.


Gary Eli Jones, P.E.
Authorized Agent

February 18, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

## Re: Lone Star Landing Phase 1 Contributing Zone Permit Attachment K-BMPs for On-site Stormwater

## To Whom It May Concern:

The proposed BMP for this project is a batch detention pond in the lower southeast corner of the property just upstream of the FEMA 100 year floodplain. The total project area is 15.37 acres with 5.97 acres of impervious cover. The impervious cover calculations are shown below for reference. Per RG-348, 3500 SF of impervious cover per lot less than 10,000 SF was used for the single family lots.


The project also has a 2.15 acre drainage area that will drain to the eastern property line and bypass the BMP. This is basically the back of the lots. The front of the lot will be graded to the street. The impervious cover calculations for the bypass area is shown above. Although there is some benefit the back yards will provide via vegetative buffer, it is hard to predict what homeowners will do, therefore, the bypass area is being compensated for in the batch detention pond. The total drainage area to the batch detention pond is 13.22 acres with 5,73 acres of impervious cover. The entire 5196 lbs of TSS removal calculated for the project is used as the Desired Lm for the pond volume calculations.

The total capture volume required for the BMP is 27,906 CF of storage. The proposed pond provides 28,000 CF of storage. Calculations for reference are attached and included in the Construction Plan set.

If you have any questions or need further assistance, please contact me at 512-658-8095.


Gary Eli Jones, P.E.
Authorized Agent

$\overline{\text { ELI }}=\overline{\text { ENGINEERING }}$

February 18, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

## Re: Lone Star Landing Phase 1 Contributing Zone Permit Attachment M-Construction Plans

To Whom It May Concern:
Construction plans and design calculations for the proposed subdivision 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 subdivision are attached and include: TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

If you have any questions or need further assistance, please contact me at 512-658-8095.


Gary Eli Jones, P.E.
Authorized Agent

## LONE STAR LANDING PHASE ONE

## PUBLIC IMPROVEMENT CONSTRUCTION PLANS

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EmLY Truman, P.E., cFM, CTIT ENGNEER
DATE

GINA ELLISON, P.E., PUBLC WORKS IRECTOR
date

MARK TUMMONS, CPRP, IIRECTOR OF PARKS AN RECREATON DATE

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COUNTY ROAD 177
WILLIAMSON COUNTY, TEXAS
PROJECT NO. PICP-24-113
FILING DATE: $\qquad$ -2024




REviso March 27,202
Citr contacts:



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\(\overline{\text { ELI }}=\overline{\text { ENGINEERING }}\)

February 18, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

\section*{Re: Lone Star Landing Phase 1}

Contributing Zone Plan Permit
Attachment N-Inspection, Maintenance, Repair and Retrofit Plan

To Whom It May Concern:
A plan for the inspection, maintenance, repair, and if necessary, retrofit of the subdivision is attached. It includes procedures for documenting inspections, maintenance, repairs, and if necessary, retrofits as well as record keeping procedures. The plan has been prepared and certified by the engineer that designed the subdivision. The owner or responsible party has signed the plan.

If you have any questions or need further assistance, please contact me at 512-658-8095.


Gary Eli Jones, P.E.
Authorized Agent

Firm \# 17877

February 18, 2024

Mr. Mallikarjun Gilakattula
Lone Star Landing Texas, LLC
3320 Prentiss Lane
Leander, TX 78641

\section*{Re: Lone Star Landing Phase 1 \\ Contributing Zone Plan \\ Attachment N - CZP - Operation \& Maintenance Plan for BMP}

To Mr. Gilakattula:
TCEQ requires the property owner to keep operation, maintenance, and inspections records of the BMP features including the grassy swale and batch detention pond.

General Guidelines:
- Accessibility: You should maintain accessibility to the BMP at all times. Equipment and personnel required to maintain and inspect the BMP should not be obstructed under reasonable conditions. Due to the vertical walls on the entire perimeter of the pond, maintenance access will be provided via 6 - ft access gates located at the curb openings to each side of the ponds. The vertical drop is less than four (4) feet therefore, access with small ladders with trimmers can be used to mow and maintain the pond. Larger equipment will have to be lifted down into the pond from the asphalt paved drive adjacent to the pond.
- Material Disposal: Stormwater pollutants include a variety of substances that are deposited in the BMP. Federal and state laws and regulations may apply to the disposal of substances removed from the BMP. In order to dispose of substances removed from the BMP you must 1) characterize the waste 2) classify the waste based on character 3) properly dispose the waste according to current state (30TAC 330 or 335) and federal rules (40 CFR Subchapter C or D). The sediment must be determined inert for on-site disposal.

At a minimum, you should keep written records indicating the following:

Pest management

Inspect swales \& filters
Inspect outlet structure
Mow and maintain area

Remove sediment

Develop an integrated pest management plan for vegetated areas. Specify how problem weeds and insects will be controlled with minimal or no use of insecticides and herbicides.

Twice per year, once after a major rainfall event.
Twice per year, once after a major rainfall event.
As needed such that grass is less than \(18^{\prime \prime}\) tall or twice per year.

Remove sediment that reaches 3 inches in depth over any spot or covers vegetation. Replace eroded areas with compacted fill and re-seed as necessary to maintain

\section*{Maintenance Guidelines for Batch Detention Basins}

Batch detention basins may have somewhat higher maintenance requirements than an extended detention basin since they are active stormwater controls. The maintenance activities are identical to those of extended detention basins with the addition of maintenance and inspections of the automatic controller and the valve at the outlet.

Inspections. Inspections should take place a minimum of twice a year. One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. The remaining inspections should occur between storm events so that manual operation of the valve and controller can be verified. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. The outlet structure and the trash screen should be inspected for signs of clogging. Debris and sediment should be removed from the orifice and outlet(s) as described in previous sections. Debris obstructing the valve should be removed. During each inspection, erosion areas inside and downstream of this BMP should be identified and repaired/revegetated immediately.

Mowing. The basin, basin side-slopes, and embankment of the basin must be mowed to prevent woody growth and control weeds. A mulching mower should be used, or the grass clippings should be caught and removed. Mowing should take place at least twice a year, or more frequently if vegetation exceeds 18 inches in height. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas.

Litter and Debris Removal. Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the outlet structure. The outlet should be checked for possible clogging or obstructions and any debris removed.

Erosion control. The basin side slopes and embankment all may periodically suffer from slumping and erosion. To correct these problems, corrective action, such as regrading and revegetation, may be necessary. Correction of erosion control should take place whenever required based on the periodic inspections.

Nuisance Control. Standing water or soggy conditions may occur in the basin. Some standing water may occur after a storm event since the valve may close with 2 to 3 inches of water in the basin. Some flow into the basin may also occur between storms
due to spring flow and residential water use that enters the storm sewer system. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weeds, odors, algae, etc.).

Structural Repairs and Replacement. With each inspection, any damage to structural elements of the basin (pipes, concrete drainage structures, retaining walls, etc.) should be identified and repaired immediately. An example of this type of repair can include patching of cracked concrete, sealing of voids, removal of vegetation from cracks and joints. The various inlet/outlet structures in a basin will eventually deteriorate and must be replaced.

Sediment Removal. A properly designed batch detention basin will accumulate quantities of sediment over time. The accumulated sediment can detract from the appearance of the facility and reduce the pollutant removal performance of the facility. The sediment also tends to accumulate near the outlet structure and can interfere with the level sensor operation. Sediment shall be removed from the basin at least every 5 years, when sediment depth exceeds 6 inches, when the sediment interferes with the level sensor or when the basin does not drain within 48 hours. Care should be taken not to compromise the basin lining during maintenance.

Logic Controller. The Logic Controller should be inspected as part of the twice yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. At the end of the inspection, the controller should be reset.

All maintenance and repairs made to the BMP should be documented along with the inspection report.

Sincerely,


Gary Eli Jones, P.E.

Concurrence \& Acceptance:


Mallik Gilakattula
\(\overline{\text { ELI }}=\overline{\text { ENGINEERING }}\)

April 8, 2024

Texas Commission on Environmental Quality
Region 11 Field Office (Austin)
2800 S. IH 35, Suite 100
Austin, Texas 78704

\section*{Re: Lone Star Landing}

\section*{Contributing Zone Permit}

Attachment P-Measures for Minimizing Surface Stream Contamination

To Whom It May Concern:
The permanent BMP that is proposed is a batch detention pond on the lower elevations of the project. The batch detention pond will provide permanent water quality controls. Temporary BMP;s will be provided to minimize and control contamination during construction until permanent vegetation is established.

If you have any questions or need further assistance, please contact me at 512-658-8095.


Gary Eli Jones, P.E.
Authorized Agent

\section*{Temporary Stormwater Section}

\author{
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.

\section*{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: Gary Eli Jones, P.E.
Date: 2/18/2024
Signature of Customer/Agent:


Regulated Entity Name: Lone Star Landing Phase 1

\section*{Project Information}

\section*{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:
\(\square\) The following fuels and/or hazardous substances will be stored on the site: \(\qquad\)
These fuels and/or hazardous substances will be stored in:
\(\square\) 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.
\(\square\) 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. \(\boxtimes\)

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. \(\square\) 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. \(\boxtimes\) 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.

\section*{Sequence of Construction}
5. \(\triangle\) 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.
Zor 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. \(\boxtimes\) 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: Brushy Creek

\section*{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. \(\boxtimes\) 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:
\(\boxtimes\) 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. \(\boxtimes\) 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.
\(\boxtimes\) There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. \(\boxtimes\) 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. \(\triangle\) Attachment G - Drainage Area Map. A drainage area map supporting the following requirements is attached:
\(\boxtimes\) 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.
\(\square\) 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. \(\square\) 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. \(\boxtimes\) Attachment I-Inspection and Maintenance for BMPs. A plan for the inspection of each temporary \(\operatorname{BMP}(s)\) 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. \(\boxtimes\) 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. \(\boxtimes\) 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. \(\boxtimes\) 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. \(\boxtimes\) 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).

\section*{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. \(\boxtimes\) 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. \(\boxtimes\) 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. \(\boxtimes\) Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

\section*{Administrative Information}
20. \(\boxtimes\) All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
21. \(\boxtimes\) 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. \(\boxtimes\) 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.

\section*{ATTACHMENT "A"}

\section*{Spill Response Actions}

Occurrences contributing to a spill may occur during scheduled maintenance of construction equipment. There are no special potential sources of contamination with this site other than normal construction activities for site and building construction. Temporary BMPs including silt fence, rock berms, settling basin, and concrete washout will be on site prior to construction and monitored per SWPPP. Caution is to be exercised to prevent any existing ground surfaces, or new ground surfaces to become contaminated. Once the refueling staging area is no longer needed, the area is to be returned to its original condition, or better. Concrete curing compound and fuel leakage shall be contained downstream of the pond outlet structure. Contractor shall follow the steps below in preventing and responding to spills as outlined in TCEQ publication RG-348, Technical Guidance on Best Management Practices (Revised July 2005).

Spill Prevention and Control:
The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees.
The following steps will help reduce the stormwater impacts of leaks and spills:

\section*{Education}
(1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.
(2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
(3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
(4) Establish a continuing education program to indoctrinate new employees.
(5) Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

\section*{General Measures}
(1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110,117 , and 302 , and sanitary and septic wastes should be contained and cleaned up immediately.
(2) Store hazardous materials and wastes in covered containers and protect from vandalism.
(3) Place a stockpile of spill cleanup materials where it will be readily accessible.
(4) Train employees in spill prevention and cleanup.
(5) Designate responsible individuals to oversee and enforce control measures.
(6) Spills should be covered and protected from stormwater runon during rainfall to the extent that it doesn't compromise clean up activities.
(7) Do not bury or wash spills with water.

1-118
(8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.
(9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
(10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.
(11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
(12) Keep waste storage areas clean, well organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

\section*{Cleanup}
(1) Clean up leaks and spills immediately.
(2) Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.
(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

\section*{Minor Spills}
(1) Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.
(2) Use absorbent materials on small spills rather than hosing down or burying the spill.
(3) Absorbent materials should be promptly removed and disposed of properly.
(4) Follow the practice below for a minor spill:
(5) Contain the spread of the spill.
(6) Recover spilled materials.
(7) Clean the contaminated area and properly dispose of contaminated materials. 1-119

\section*{Semi-Significant Spills}

Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities.

Spills should be cleaned up immediately:
(1) Contain spread of the spill.
(2) Notify the project foreman immediately.
(3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
(4) If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
(5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

\section*{Significant/Hazardous Spills}

For significant or hazardous spills that are in reportable quantities:
(1) 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.
(2) 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.
(3) Notification should first be made by telephone and followed up with a written report.
(4) 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.
(5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.
More information on spill rules and appropriate responses is available on the TCEQ website at: https://www.tceq.texas.gov/response/spills.

\section*{Vehicle and Equipment Maintenance}
(1) If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the runon of stormwater and the runoff of spills.
(2) Regularly inspect onsite vehicles and equipment for leaks and repair immediately
(3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.
(4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
(5) Place drip pans or absorbent materials under paving equipment when not in use.
(6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
(7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
(8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute
stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
(9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

\section*{Vehicle and Equipment Fueling}
(1) If fueling must occur on site, use designated areas, located away from drainage courses, to prevent the runon of stormwater and the runoff of spills.
(2) Discourage "topping off" of fuel tanks.
(3) Always use secondary containment, such as a drain pan, when fueling to catch spills/ leaks.

\section*{Concrete Washout Areas}

The purpose of concrete washout areas is to prevent or reduce the discharge of pollutants to stormwater from concrete waste by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors.
The following steps will help reduce stormwater pollution from concrete wastes:
- Incorporate requirements for concrete waste management into material supplier and subcontractor agreements.
- Avoid mixing excess amounts of fresh concrete.
- Perform washout of concrete trucks in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped onsite, except in designated areas.

For onsite washout:
- Locate washout area at least 50 feet from sensitive features, storm drains, open ditches, or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly.
Below grade concrete washout facilities are typical. These consist of a lined excavation sufficiently large to hold expected volume of washout material. Above grade facilities are used if excavation is not practical. Temporary concrete washout facility (type above grade) should be constructed as shown on the details at the end of this section, with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. Plastic lining material should be a minimum of 10 mil in polyethylene sheeting and should be free of holes, tears, or other defects that compromise the impermeability of the material.
When temporary concrete washout facilities are no longer required for the work, the hardened concrete should be removed and disposed of. Materials used to construct temporary concrete washout facilities should be removed from the site of the work and disposed of. Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities should be backfilled and repaired.


Figure: Schematics of Concrete Washout Areas

\section*{REPORTABLE QUANTITIES (RQ)}

Refer to: (https://www.tceq.texas.gov/response/spills/spill ra.html)
\begin{tabular}{|c|c|c|c|}
\hline Kind of spill & Where discharged & Reportable quantity & Rule, statute, or responsible agency \\
\hline \multirow[t]{2}{*}{Hazardous substance} & onto land & "Final \(R Q\) " in Table 302.4 in (1) 40 CFR 302.4 「 1 (PDF) & \multirow[t]{2}{*}{30 TAC 327} \\
\hline & into water & "Final RQ" or 100 lbs , whichever is less & \\
\hline Any oil & coastal waters & as required by the Texas General Land Office & Texas General Land Office \({ }^{-}\) \\
\hline \multirow[t]{2}{*}{Crude oil, oil that is neither a petroleum product nor used oil} & onto land & 210 gallons (five barrels) & \multirow[t]{2}{*}{30 TAC 327} \\
\hline & directly into water & enough to create a sheen & \\
\hline \multirow[t]{3}{*}{Petroleum product, used oil} & onto land, from an exempt PST facility & 210 gallons (five barrels) & \multirow[t]{3}{*}{30 TAC 327 Г} \\
\hline & onto land, or onto land from a non-exempt PST facility & 25 gallons & \\
\hline & directly into water & enough to create a sheen & \\
\hline Associated with the exploration, development and production of oil, gas, or geothermal resources & under the jurisdiction of the Railroad Commission of Texas & as required by the Railroad Commission of Texas & \begin{tabular}{l}
Railroad \\
Commission of Texas
\end{tabular} \\
\hline Industrial solid waste or other substances & into water & 100 lbs & 30 TAC 327 ■ \\
\hline From petroleum storage tanks, underground or aboveground & into water & enough to create a sheen on water & \[
\begin{aligned}
& 30 \text { TAC } 334 匹 .75- \\
& 81
\end{aligned}
\] \\
\hline From petroleum storage tanks, underground or aboveground & onto land & 25 gallons or equal to the RQ under \(\mathbf{4 0}\) CFR 302 정 & 30 TAC 327 Г \\
\hline Other substances that may be useful or valuable and are not ordinarily considered to be waste, but will cause pollution if discharged into water in the state & into water & 100 lbs & 30 TAC 327 \\
\hline
\end{tabular}

\section*{ATTACHMENT "B" \\ Potential Sources of Contamination}

Occurrences contributing to a spill may occur during scheduled maintenance of construction equipment. There are no special potential sources of contamination with this site other than normal construction activities for site and building construction. Temporary BMPs including construction entrance, silt fence and concrete washout will be on site prior to construction and monitored per SWPPP. Caution is to be exercised to prevent any existing ground surfaces, or new ground surfaces to become contaminated. Once the refueling staging area is no longer needed, the area is to be returned to its original condition, or better. Concrete curing compound and fuel leakage shall be contained downstream of the pond outlet structure. Contractor shall follow the steps below in preventing and responding to spills as outlined in TCEQ publication RG-348, Technical Guidance on Best Management Practices (Revised July 2005).

\section*{ATTACHMENT "C" \\ Sequence of Major Activities}
DescriptionArea (acres)
1. Install all erosion control ..... 1.82
2. Conduct pre-construction conference ..... N/A
3. Excavate ponds ..... 0.80
4. Establish subgrade on site ..... 2.68
5. Install all Wastewater lines ..... 1.12
6. Install all Water lines ..... 1.09
7. Install all Storm drain and channels ..... 1.69
8. Process and compact subgrade to final grades ..... 2.68
9. Install paving ..... 1.07
10. Final grade ponds and outlet controls ..... 0.80
11. Install all landscape and irrigation, re-vegetate all disturbed areas ..... 4.48
12. Grading of Lots and home construction ..... 10.56
13. Remove temporary erosion control subsequent to establishmentof ..... 1.82vegetation

\section*{ATTACHMENT "F"}

\section*{Structural Practices}

There will be channels and box culvert storm drain to convey the offsite drainage area through the site and around the proposed batch detention pond. This is the natural drainage pattern and the proposed drainage improvements will convey the offsite drainage through the property down to the floodplain where it has always drained. No improvements are proposed to divert storm water run-off from its existing drainage pattern. All unpaved areas will be re-vegetated according to City of Leander \& TCEQ Specifications for re-vegetation of disturbed areas.

\section*{ATTACHMENT "D" \\ Temporary Best Management Practices}

Silt fence and rock berms will be installed to intercept storm water runoff originating within the project, prior to discharge to existing drainage conveyances.

A stabilized construction entrance will be installed at both proposed roadways off of CR 177 to minimize construction vehicles transporting sediment onto neighboring roadways. This site contains no surface streams.

There will be a concrete washout on site for concrete trucks and a temporary staging \& storage area to utilize during construction.

\section*{ATTACHMENT "G"}

\section*{Drainage Area Map}

Included in the attached Set of Construction Plans. There are no areas greater than 10 acres that will be disturbed at one time. The initial Phase 1 construction will include the streets, utilities and batch detention pond proposed for the subdivision. The limits of construction for the initial phase is 4.48 acres. Phase 2 will include construction of the homes and lot grading. The batch detention pond will effectively serve as a settling basin for Phase 1 and Phase 2 until permanent vegetation is established.




\section*{ATTACHMENT "I"}

\section*{Inspection \& Maintenance for Temporary BMPs}

\section*{SUMMARY OF EROSION AND SEDIMENT CONTROL MAINTENANCE/INSPECTION PROCEDURES}

\section*{Silt Fence Inspection and Maintenance Guidelines:}
(1) Inspect all fencing weekly, and after any rainfall.
(2) Remove sediment when buildup reaches 6 inches.
(3) Replace any torn fabric or install a second line of fencing parallel to the torn section.
(4) Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.
(5) When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the silt fence should be revegetated. The fence itself should be disposed of in an approved landfill.

\section*{Inlet Protection Inspection and Maintenance Guidelines:}
(1) Inspection should be made weekly and after each rainfall. Repair or replacement should be made promptly as needed by the contractor.
(2) Remove sediment when buildup reaches a depth of 3 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not erode.
(3) Check placement of device to prevent gaps between device and curb.
(4) Inspect filter fabric and patch or replace if torn or missing.
(5) Structures should be removed and the area stabilized only after the remaining drainage area has been properly stabilized.

\section*{Temporary Construction Entrance/Exit Inspection and Maintenance Guidelines:}
(1) The entrance should be maintained in a condition, which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment.
(2) All sediment spilled, dropped, washed or tracked onto public rights-of-way should be removed immediately by contractor.
(3) When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-ofway.
(4) When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin.
(5) All sediment should be prevented from entering any storm drain, ditch or water course by using approved methods.
- Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
- A maintenance inspection report will be made after each inspection. A copy of the report forms to be used are included in this WPAP.
- The site job superintendent will select the individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance reports.
- Personnel selected for inspection and maintenance responsibilities will receive training from the site job superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

\section*{FINAL STABILIZATION/TERMINATION CHECKLIST}
1. All soil disturbing activities are complete
2. Temporary erosion and sediment control measures have been removed or will be removed at an appropriate time.
3. All areas of the construction site not otherwise covered by a permanent pavement or structure have been stabilized with a uniform perennial vegetative cover with a density of \(70 \%\) or equivalent measures have been employed.

\section*{CONTRIBUTING ZONE (CZP) \\ INSPECTION AND MAINTENANCE REPORT FORM}

STABILIZATION MEASURES
INSPECTOR: \(\qquad\) DATE: \(\qquad\)
QUALIFICATIONS OF INSPECTOR:

DAYS SINCE LAST RAINFALL: \(\qquad\) AMOUNT OF LAST RAINFALL: \(\qquad\)
\begin{tabular}{|c|c|c|c|c|c|}
\hline AREA & \begin{tabular}{c} 
DATE \\
SINCE LAST \\
RAINFALL
\end{tabular} & \begin{tabular}{c} 
DATE OF \\
NEXT \\
DISTURBANCE
\end{tabular} & \begin{tabular}{c} 
STABILIZED? \\
(YES/NO)
\end{tabular} & \begin{tabular}{c} 
STABILIZED \\
WITH
\end{tabular} & CONDITION \\
\hline & & & & & \\
\hline & & & & & \\
\hline & & & & & \\
\hline & & & & & \\
\hline & & & & & \\
\hline & & & & & \\
\hline & & & & & \\
\hline
\end{tabular}

STABILIZATION REQUIRED:

TO BE PERFORMED BY: \(\qquad\) ON OR BEFORE: \(\qquad\)

\title{
CONTRIBUTING ZONE (CZP) INSPECTION AND MAINTENANCE REPORT FORM
}

\section*{SILT FENCE}

INSPECTOR: \(\qquad\) DATE:

QUALIFICATIONS OF INSPECTOR:

DAYS SINCE LAST RAINFALL: \(\qquad\) AMOUNT OF LAST RAINFALL: \(\qquad\)
IS THE BOTTOM OF THE FABRIC STILL BURIED? \(\qquad\)
IS THE FABRIC TORN OR SAGGING? \(\qquad\)
ARE THE POSTS TIPPED OVER? \(\qquad\)
HOW DEEP IS THE SEDIMENT? \(\qquad\)
MAINTENANCE REQUIRED FOR SILT FENCE: \(\qquad\)

TO BE PERFORMED BY: \(\qquad\) ON OR BEFORE: \(\qquad\)

\section*{CONTRIBUTING ZONE (CZP) INSPECTION AND MAINTENANCE REPORT FORM}

STABILIZED CONSTRUCTION EXIT
INSPECTOR: \(\qquad\) DATE: \(\qquad\)
QUALIFICATIONS OF INSPECTOR:

DAYS SINCE LAST RAINFALL: \(\qquad\) AMOUNT OF LAST RAINFALL: \(\qquad\)
DOES MUCH SEDIMENT GET TRACKED ON TO ROAD? \(\qquad\)
IS THE GRAVEL CLEAN OR FILLED WITH SEDIMENT? \(\qquad\)
DOES ALL TRAFFIC USE THE STABILIZED EXIT TO LEAVE THE JOB SITE? \(\qquad\)
IS THE CULVERT BENEATH THE EXIT WORKING? \(\qquad\)
MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION EXIT: \(\qquad\)

TO BE PERFORMED BY: \(\qquad\) ON OR BEFORE: \(\qquad\)

\section*{ATTACHMENT "J"}

\section*{Schedule of Interim and Permanent Soil Stabilization Practices}

\begin{abstract}
All areas within the project limits that are disturbed during construction will be revegetated and restabilized immediately following construction activities. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporary or permanently cease is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 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 seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.
\end{abstract}

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999
I
Mallik Gilakattula Print Name
Member
Title - Owner/President/Other
of \(\qquad\) Corporation/Partnership/Entity Name
have authorized \(\qquad\)
Print Name of Agent/Engineer
of
Eli Engineering, PLLC 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.

\section*{SIGNATURE PAGE:}


\section*{THE STATE OF TEXAS §}
county of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Mallik Gilakatulla, 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 21 day of Feb. 2024


MY COMMISSION EXPIRES: 11.27 .2026

\section*{Application Fee Form}

\section*{Texas Commission on Environmental Quality}

Name of Proposed Regulated Entity: Lone Star Landing Phase 1
Regulated Entity Location: 800 CR 177, Leander, TX 78641
Name of Customer: Texas Lones Star Landing, LLC
Contact Person: Mallik Gilakattula Phone: \(\underline{\text { 512-761-8025 }}\)
Customer Reference Number (if issued):CN \(\qquad\)
Regulated Entity Reference Number (if issued):RN \(\qquad\)

\section*{Austin Regional Office (3373)}
\begin{tabular}{lll}
\(\square\) Hays & \(\square\) Travis & \(\square\) Williamson \\
San Antonio Regional Office (3362) & & \\
\(\square\) Bexar & \(\square\) Medina & \(\square\) Uvalde \\
\(\square\) Comal & \(\square\) Kinney &
\end{tabular}

Application fees must be paid by check, certified check, or money order, payable to the Texas Commission on Environmental Quality. Your canceled check will serve as your receipt. This form must be submitted with your fee payment. This payment is being submitted to:Austin Regional Office
Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088

Austin, TX 78711-3088
\(\square\) San Antonio Regional Office
\(\square\) Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):
\begin{tabular}{|c|c|c|}
\hline \(\square\) Recharge Zone \(\quad\) Contributing Zone & \(\square\) Transit & on Zone \\
\hline Type of Plan & Size & Fee Due \\
\hline Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling & Acres & \$ \\
\hline Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks & Acres & \$ \\
\hline Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential & 15.37 Acres & \$ 4000 \\
\hline Sewage Collection System & L.F. & \$ \\
\hline Lift Stations without sewer lines & Acres & \$ \\
\hline Underground or Aboveground Storage Tank Facility & Tanks & \$ \\
\hline Piping System(s)(only) & Each & \$ \\
\hline Exception & Each & \$ \\
\hline Extension of Time & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Each}} \\
\hline Signature: & & \\
\hline
\end{tabular}

Date: \(\underline{2 / 18 / 2024}\)

\section*{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
\begin{tabular}{|l|c|c|}
\hline \multicolumn{1}{|c|}{ Project } & \begin{tabular}{c} 
Project Area in \\
Acres
\end{tabular} & Fee \\
\hline One Single Family Residential Dwelling & \(<5\) & \(\$ 650\) \\
\hline Multiple Single Family Residential and Parks & \(<5\) & \(\$ 1,500\) \\
& \(5<10\) & \(\$ 3,000\) \\
& \(10<40\) & \(\$ 4,000\) \\
& \(40<100\) & \(\$ 6,500\) \\
& \(100<500\) & \(\$ 8,000\) \\
& \(\geq 500\) & \(\$ 10,000\) \\
\hline Non-residential (Commercial, industrial, & \(<1\) & \(\$ 3,000\) \\
institutional, multi-family residential, schools, and & \(1<5\) & \(\$ 4,000\) \\
other sites where regulated activities will occur) & \(5<10\) & \(\$ 5,000\) \\
& \(10<40\) & \(\$ 6,500\) \\
& \(40<100\) & \(\$ 8,000\) \\
& \(\geq 100\) & \(\$ 10,000\) \\
\hline
\end{tabular}

\section*{Organized Sewage Collection Systems and Modifications}
\begin{tabular}{|l|c|c|}
\hline \multicolumn{1}{|c|}{ Project } & \begin{tabular}{c} 
Cost per Linear \\
Foot
\end{tabular} & \begin{tabular}{c} 
Minimum Fee- \\
Maximum Fee
\end{tabular} \\
\hline Sewage Collection Systems & \(\$ 0.50\) & \(\$ 650-\$ 6,500\) \\
\hline
\end{tabular}

Underground and Aboveground Storage Tank System Facility Plans and Modifications
\begin{tabular}{|l|c|c|}
\hline \multicolumn{1}{|c|}{ Project } & \begin{tabular}{c} 
Cost per Tank or \\
Piping System
\end{tabular} & \begin{tabular}{l} 
Minimum Fee- \\
Maximum Fee
\end{tabular} \\
\hline \begin{tabular}{l} 
Underground and Aboveground Storage Tank \\
Facility
\end{tabular} & \(\$ 650\) & \(\$ 650-\$ 6,500\) \\
\hline
\end{tabular}

\section*{Exception Requests}
\begin{tabular}{|l|c|}
\hline Project & Fee \\
\hline Exception Request & \(\$ 500\) \\
\hline
\end{tabular}

\section*{Extension of Time Requests}
\begin{tabular}{|l|c|}
\hline Project & Fee \\
\hline Extension of Time Request & \(\$ 150\) \\
\hline
\end{tabular}

\section*{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*{SECTION I: General Information}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{1. Reason for Submission (If other is checked please describe in space provided.)} \\
\hline \multicolumn{3}{|l|}{\ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)} \\
\hline \(\square\) Renewal (Core Data Form should be sub & with the renewal form) & Other \\
\hline 2. Customer Reference Number (if issued) & Follow this link to search & 3. Regulated Entity Reference Number (if issued) \\
\hline CN & for CN or RN numbers in Central Registr*** & RN \\
\hline
\end{tabular}

\section*{SECTION II: Customer Information}


\section*{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)
\(\boxtimes\) New Regulated Entity \(\quad \square\) Update to Regulated Entity Name \(\quad \square\) 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.)
Lone Star Landing Phase 1

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.
\begin{tabular}{|l|l|l|l|l|}
\hline\(\square\) Dam Safety & \(\square\) Districts & \(\square\) Edwards Aquifer & \(\square\) Emissions Inventory Air & \(\square\) Industrial Hazardous Waste \\
\hline & & & & \\
\hline\(\square\) Municipal Solid Waste & \(\square\) New Source Review Air & \(\square\) OSSF & \(\square\) Petroleum Storage Tank & \(\square\) PWS \\
\hline & & & & \\
\hline\(\square\) Sludge & \(\square\) Storm Water & \(\square\) Title V Air & \(\square\) Tires & \(\square\) Used Oil \\
\hline & & \(\square\) Wastewater Agriculture & \(\square\) Water Rights & \(\square\) Other: \\
\hline\(\square\) Voluntary Cleanup & \(\square\) Waste Water & & & \\
\hline & & & \\
\hline
\end{tabular}

\section*{SECTION IV: Preparer Information}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline 40. Name: & \multicolumn{2}{|l|}{Gary Eli Jones} & & & 41. Title: & Design Engineer \\
\hline \multicolumn{2}{|l|}{42. Telephone Number} & 43. Ext./Code & \multicolumn{2}{|l|}{44. Fax Number} & \multicolumn{2}{|l|}{45. E-Mail Address} \\
\hline ( 512 ) 6 & 8095 & & ( ) & - & gejtex & gmail.com \\
\hline
\end{tabular}

\section*{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
\begin{tabular}{|c|c|c|c|c|}
\hline Company: & Eli Engineering, PLLC & Job Title: & \multicolumn{2}{|l|}{Design Engineer} \\
\hline Name(ln Print) : & \multicolumn{2}{|l|}{Gary 奴 Jones} & Phone: & ( 512 ) 658-8095 \\
\hline Signature: & olemstac & & Date: & 1/10/2022 \\
\hline
\end{tabular}```

