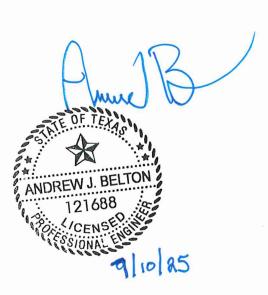
## **LOT 1 BLOCK 58 - BRENTHURST**

**Contributing Zone Plan Application** 



## **LOT 1 BLOCK 58 - BRENTHURST**

**Contributing Zone Plan Application** 





July 9, 2025

Ms. Lillian Butler
Texas Commission on Environmental Quality (TCEQ)
Region 13
14250 Judson Road
San Antonio, Texas 78233-4480

Re:

Lot 1 Block 58 - Brenthurst

Contributing Zone Plan Application

Dear Ms. Butler:

Please find included herein the Lot 1 Block 58 - Brenthurst Contributing Zone Plan Application. This Contributing Zone Plan Application has been prepared in accordance with the Texas Administrative Code (30 TAC 213) and current policies for development over the Edwards Aquifer Contributing Zone.

This Contributing Zone Application applies to an approximately 3.339-acre site as identified by the project limits. Please review the plan information for the items it is intended to address. If acceptable, please provide a written approval of the plan in order that construction may begin at the earliest opportunity.

Appropriate review fees (\$650) and fee application form are included. If you have questions or require additional information, please do not hesitate to contact me at your earliest convenience.

Sincerely,

Pape-Dawson Consulting Engineers, LLC

Andrew Belton, P.E.

Vice President

**Attachments** 

P:\77\35\34\Word\Reports\CZP\2024 - CZP Cover Letter.docx



# EDWARDS AQUIFER APPLICATION COVER PAGE (TCEQ-20705)

#### **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**

- 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.
- This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
- 3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
- 4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.
  - An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.
- 5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
- 6. If the geologic assessment was completed before October 1, 2004 and the site contains "possibly sensitive" features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

#### **Technical Review**

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

- 2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.
- 3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or if not withdrawn the application will be denied and the application fee will be forfeited.
- 4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

#### **Mid-Review Modifications**

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

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

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

- You can withdraw your application, and your fees will be refunded or credited for a resubmittal.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

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

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

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

| 1. Regulated Entity N                         | ame:    |       |       |         |        | 2. Re  | egulate | ed Entity No.:             |                               |
|---|---------|-------|-------|---------|--------|--------|---------|----------------------------|-------------------------------|
| 3. Customer Name:                             |         |       |       |         |        | 4. Cı  | ıstom   | er No.:                    |                               |
| 5. Project Type:<br>(Please circle/check one) | New     |       | Modif | ication | 1      | Exter  | nsion   | Exception                  |                               |
| 6. Plan Type:<br>(Please circle/check one)    | WPAP    | CZP   | SCS   | UST     | AST    | EXP    | EXT     | Technical<br>Clarification | Optional Enhanced<br>Measures |
| 7. Land Use:<br>(Please circle/check one)     | Resider | ntial | Non-r | esiden  | itial  |        | 8. Sit  | e (acres):                 |                               |
| 9. Application Fee:                           |         |       | 10. P | ermai   | nent I | BMP(s  | s):     |                            |                               |
| 11. SCS (Linear Ft.):                         |         |       | 12. A | ST/US   | ST (N  | o. Tar | ıks):   |                            |                               |
| 13. County:                                   |         |       | 14. W | aters   | hed:   |        |         |                            |                               |

### **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%2oGWCD%2omap.pdf

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

|   | Austin 1   | Region  |  |
|---|--|---|--|
| County:                                 | Hays   | Travis  | Williamson   |
| Original (1 req.)                       | _  | _   | _  |
| Region (1 req.)                         | _  | _   | _  |
| County(ies)                             | _  | _   | _  |
| Groundwater Conservation<br>District(s) | Edwards Aquifer AuthorityBarton Springs/ Edwards AquiferHays TrinityPlum Creek | Barton Springs/<br>Edwards Aquifer  | NA   |
| City(ies) Jurisdiction                  | AustinBudaDripping SpringsKyleMountain CitySan MarcosWimberleyWoodcreek        | AustinBee CavePflugervilleRollingwoodRound RockSunset ValleyWest Lake Hills | AustinCedar ParkFlorenceGeorgetownJerrellLeanderLiberty HillPflugervilleRound Rock |

|  | Sa   | an Antonio Region  |        |  |  |
|--|--|--|--------|--|--|
| County:                                    | Bexar  | Comal  | Kinney | Medina                                 | Uvalde                                 |
| Original (1 req.)                          | _  | _  | _      | _                                      | _                                      |
| Region (1 req.)                            | _  | _  |        | _                                      | _                                      |
| County(ies)                                | _  |  | _      |  |  |
| Groundwater<br>Conservation<br>District(s) | Edwards Aquifer<br>Authority<br>Trinity-Glen Rose  | Edwards Aquifer<br>Authority<br>Comal Trinity                        | Kinney | EAA<br>Medina<br>Nueces<br>River Auth. | EAA<br>Uvalde<br>Nueces<br>River Auth. |
| City(ies)<br>Jurisdiction                  | Castle HillsFair Oaks RanchHelotesHill Country VillageHollywood ParkSan Antonio (SAWS)Shavano Park | BulverdeFair Oaks RanchGarden RidgeNew BraunfelsSchertzSpring Branch | NA     | San<br>Antonio ETJ<br>(SAWS)           | NA                                     |

| I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. |  |
|---|--|
| andrew Belton, P.E.   |  |
| Print Name of Customer/Authorized Agent   |  |
| mul 7/10/25   |  |
| Signature of Customer/Authorized Agent Date   |  |
| mul 7 10 25   |  |

| **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<br>Complete/Notarized (Y/N): | Payable to TCEQ (Y/N):          |
| Core Data Form Complete<br>(Y/N):                | Fee Check: Signed (Y/N):        |
| Core Data Form<br>Incomplete Nos.:               | Less than 90 days old (Y/N):    |

# CONTRIBUTING ZONE PLAN APPLICATION (TCEQ-10257)

### **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: Andrew Belton, P.E.

Date: 7 16 25

Signature of Customer/Agent:

Regulated Entity Name: Lot 1 Block 58 - Brenthurst

#### **Project Information**

1. County: Bexar

2. Stream Basin: Leon Creek

3. Groundwater Conservation District (if applicable): Trinity Glen-Rose

4. Customer (Applicant):

Contact Person: Rajeev Puri

**Entity: Dominion Howell West LLC** 

Mailing Address: 6002 Camp Bullis Road, Suite 201

City, State: San Antonio, TX Zip: 78257
Telephone: 210-698-3004 Fax: \_\_\_\_\_

Email Address: <a href="mailto:rpuri@athenadomain.com">rpuri@athenadomain.com</a>

| Э.  | Age                       | gent/Representative (ii any):  |                                      |
|-----|---------------------------|--|--------------------------------------|
|     | Ent<br>Ma<br>City<br>Telo | · · · · · · · · · · · · · · · · · · ·  | p: <u>78213</u><br>x:                |
| 6.  | Pro                       | roject Location:   |                                      |
|     |                           | The project site is located inside the city limits of <u>S</u> The project site is located outside the city limits but jurisdiction) of  The project site is not located within any city's limi                                  | ut inside the ETJ (extra-territorial |
| 7.  |                           | The location of the project site is described below. provided so that the TCEQ's Regional staff can easi boundaries for a field investigation.   | <del>-</del>                         |
|     |                           | Directly southwest of Brenthurst Ln and Reserva A  | vila Intersection                    |
| 8.  |                           | Attachment A - Road Map. A road map showing d<br>project site is attached. The map clearly shows the   |                                      |
| 9.  |                           | Attachment B - USGS Quadrangle Map. A copy of Quadrangle Map (Scale: 1" = 2000') is attached. The  |                                      |
|     |                           | <ul><li>☑ Project site boundaries.</li><li>☑ USGS Quadrangle Name(s).</li></ul>  |                                      |
| 10. | . 🔀                       | Attachment C - Project Narrative. A detailed narra project is attached. The project description is conscious, at a minimum, the following details:   |                                      |
|     |                           | <ul> <li>Area of the site</li> <li>Offsite areas</li> <li>Impervious cover</li> <li>Permanent BMP(s)</li> <li>Proposed site use</li> <li>Site history</li> <li>Previous development</li> <li>Area(s) to be demolished</li> </ul> |                                      |
| 11. | Exis                      | kisting project site conditions are noted below:   |                                      |
|     |                           | Existing commercial site Existing industrial site Existing residential site  |                                      |

| <ul> <li>Existing paved and/or unpaved roads</li> <li>Undeveloped (Cleared)</li> <li>Undeveloped (Undisturbed/Not cleared)</li> <li>Other:</li> </ul> |
|---|
| 12. The type of project is:   |
| Residential: # of Lots: 1 Residential: # of Living Unit Equivalents: Commercial Industrial Other:   |
| 13. Total project area (size of site): 3.339 Acres  |
| Total disturbed area: <u>0.666</u> Acres  |
| 14. Estimated projected population: <u>1x4 =4</u>   |
| 15. The amount and type of impervious cover expected after construction is complete is shown  |

**Table 1 - Impervious Cover** 

below:

| Impervious Cover of<br>Proposed Project | Sq. Ft. | Sq. Ft./Acre | Acres |
|---|---------|--------------|-------|
| Structures/Rooftops                     | 25,852  | ÷ 43,560 =   | 0.593 |
| Parking                                 |         | ÷ 43,560 =   |       |
| Other paved surfaces                    | 3,158   | ÷ 43,560 =   | 0.073 |
| Total Impervious<br>Cover               | 29,010  | ÷ 43,560 =   | 0.666 |

Total Impervious Cover  $3.339 \div$  Total Acreage  $0.666 \times 100 = 19.94\%$  Impervious Cover

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

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

#### For Road Projects Only

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

| $\overline{}$ | / .    |
|---------------|--------|
| $\times$ I    | NI / A |
| / N           | 14//   |

| 18. Type of project:   |
|--|
| <ul> <li>TXDOT road project.</li> <li>County road or roads built to county specifications.</li> <li>City thoroughfare or roads to be dedicated to a municipality.</li> <li>Street or road providing access to private driveways.</li> </ul>  |
| 19. Type of pavement or road surface to be used:   |
| Concrete Asphaltic concrete pavement Other:  |
| 20. Right of Way (R.O.W.):   |
| Length of R.O.W.: feet.<br>Width of R.O.W.: feet.<br>$L \times W = $ $Ft^2 \div 43,560 Ft^2/Acre = acres.$   |
| 21. Pavement Area:   |
| Length of pavement area: feet.  Width of pavement area: feet.  L x W = Ft² ÷ 43,560 Ft²/Acre = acres.  Pavement area acres ÷ R.O.W. area acres x 100 = % impervious cover.   |
| 22. A rest stop will be included in this project.  |
| A rest stop will not be included in this project.  |
| 23. Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.   |
| Stormwater to be generated by the Proposed Project   |
| 24. Attachment E - Volume and Character of Stormwater. A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions. |
| Wastewater to be generated by the Proposed Project   |
| 25. Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.  N/A   |

| licensing aut  | thority's (authorized age   | the wastewater from thient) written approval is a          | ttached. It states that                           |
|--|---|--|---|
|  | •   | ivate sewage facilities ar<br>e facilities as specified ur | nd will meet or exceed<br>nder 30 TAC Chapter 285 |
| _  | n-site Sewage Facilities  | t is at least one (1) acre (                               | 43 560 square feet) in                            |
| size. The sy   | stem will be designed by  | y a licensed professional d installer in compliance        | engineer or registered                            |
|  | •   | :<br>ne wastewater to the                                  | (name) Treatment                                  |
| Existing. Proposed.  |   |  |   |
| ⊠ N/A  |   |  |   |
| <del></del>  |   |  |   |
| Gallons  | _   | rage Tanks(AS)   | -   |
| Gallons  | - 33 if this project inclu  | rage Tanks(AS)  des the installation of A                  | -   |
| <b>Gallons</b><br>Complete questions 27  | - 33 if this project inclu  |  | -   |
| <b>Gallons</b><br>Complete questions 27<br>greater than or equal t<br>—  | - 33 if this project inclu<br>to 500 gallons.                             |  | -   |
| <b>Gallons</b><br>Complete questions 27<br>greater than or equal t<br>⊠N/A   | - <b>33 if this project inclu</b><br>t <b>o 500 gallons.</b><br>e stored: |  | -   |
| Gallons Complete questions 27 greater than or equal t  N/A  27. Tanks and substanc  Table 2 - Tanks and                      | e stored:  Substance Storage  | des the installation of A  Substance to be                 | ST(s) with volume(s)                              |
| Gallons Complete questions 27 greater than or equal t  N/A  27. Tanks and substanc   | - <b>33 if this project inclu</b><br>t <b>o 500 gallons.</b><br>e stored: | des the installation of A                                  | -   |
| Gallons Complete questions 27 greater than or equal t  N/A  27. Tanks and substanc  Table 2 - Tanks and  AST Number          | e stored:  Substance Storage  | des the installation of A  Substance to be                 | ST(s) with volume(s)                              |
| Gallons Complete questions 27 greater than or equal t  N/A  27. Tanks and substanc  Table 2 - Tanks and  AST Number  1       | e stored:  Substance Storage  | des the installation of A  Substance to be                 | ST(s) with volume(s)                              |
| Gallons Complete questions 27 greater than or equal to  N/A  27. Tanks and substance  Table 2 - Tanks and  AST Number  1 2   | e stored:  Substance Storage  | des the installation of A  Substance to be                 | ST(s) with volume(s)                              |
| Gallons Complete questions 27 greater than or equal to  N/A  27. Tanks and substance  Table 2 - Tanks and  AST Number  1 2 3 | e stored:  Substance Storage  | des the installation of A  Substance to be                 | ST(s) with volume(s)                              |

5 of 11

| •   | stem, the containm<br>umulative storage ca  |  | ed to capture one an<br>ns.  | d one-half (1 1/2)       |
|---|---|--|--|--------------------------|
| for providin protection f                                       | g secondary contair<br>for the Edwards Aqu  | nment are propose<br>uifer are attached. | ent Methods. Alteri<br>d. Specifications sho   |                          |
|   | ons and capacity of o   |  | ure(s):  |                          |
| Length (L)(Ft.)   | Width(W)(Ft.)   | Height (H)(Ft.)                          | L x W x H = (Ft3)  | Gallons                  |
|   |   |  |  |                          |
|   |   |  |  |                          |
|   |   |  | To   | otal: Gallons            |
| Some of the structure.  The piping v  The piping v  The contain | e piping to dispense<br>vill be aboveground<br>vill be underground<br>ment area must be | rs or equipment wi                       | side the containmen<br>Il extend outside the<br>I in a material imper<br>ment structure will b | containment vious to the |
|   | t <b>H - AST Containme</b><br>It structure is attach                                    |  | rings. A scaled drawi following:   | ng of the                |
| Internal Tanks cle  | , -   | •  | wall and floor thickn<br>e collection of any sp  | •                        |
| storage tan   |   |  | for collection and rec<br>controlled drainage a  |                          |
| <del></del>   | vent of a spill, any s<br>4 hours of the spill  | _  | oved from the contai<br>operly.  | nment 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.   |
|------|-------------|--|
| Si   | te          | Plan Requirements  |
| Itei | ns :        | 34 - 46 must be included on the Site Plan.   |
| 34.  |             | The Site Plan must have a minimum scale of 1" = 400'.  |
|      |             | Site Plan Scale: 1" = <u>60</u> '.   |
| 35.  | 100         | O-year floodplain boundaries:  |
|      | The         | Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.  No part of the project site is located within the 100-year floodplain.  100-year floodplain boundaries are based on the following specific (including date of terial) sources(s): DFIRM (Digital Flood Insurance Rate Map for Bexar County, Texas abd orporated Areas) Panel No. 48029C0115F, Dated 9/29/2010. |
| 36.  |             | The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.   |
|      |             | The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.   |
| 37.  | $\boxtimes$ | 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.  |             | 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.  |             | Surface waters (including wetlands).   |
|      | $\boxtimes$ | N/A  |
| 43.  |             | Locations where stormwater discharges to surface water.  |
|      | $\boxtimes$ | There will be no discharges to surface water.  |
| 44.  |             | Temporary aboveground storage tank facilities.   |
|      | $\boxtimes$ | Temporary aboveground storage tank facilities will not be located on this site.  |
|      |             | / AF 1.1   |

| 45.                                | Permanent aboveground storage tank facilities.  |
|------------------------------------|---|
|                                    | Permanent aboveground storage tank facilities will not be located on this site.   |
| 46.                                | Legal boundaries of the site are shown.   |
| Pern                               | nanent Best Management Practices (BMPs)   |
| Practice                           | es and measures that will be used during and after construction is completed.   |
|                                    | Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.   |
|                                    | N/A   |
|                                    | 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.   |
|                                    | <ul> <li>The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.</li> <li>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:</li> </ul>   |
|                                    | N/A   |
|                                    | 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   |
| less<br>peri<br>pero<br>who<br>App | ere a site is used for low density single-family residential development and has 20 % or impervious cover, other permanent BMPs are not required. This exemption from manent BMPs must be recorded in the county deed records, with a notice that if the cent impervious cover increases above 20% or land use changes, the exemption for the ple site as described in the property boundaries required by 30 TAC §213.4(g) (relating to dication Processing and Approval), may no longer apply and the property owner must ify the appropriate regional office of these changes.   |
|                                    | □ The site will be used for low density single-family residential development and has 20% or less impervious cover.      □ The site will be used for low density single-family residential development but has more than 20% impervious cover.      □ The site will be used for low density single-family residential development but has more than 20% impervious cover.      □ The site will be used for low density single-family residential development but has more than 20% impervious cover.      □ The site will be used for low density single-family residential development and has a constant and ha |
|                                    | The site will not be used for low density single-family residential development.  |

| far<br>im<br>rec<br>inc<br>the<br>an | e executive director may waive the requirement for other permanent BMPs for multi- nily residential developments, schools, or small business sites where 20% or less pervious cover is used at the site. This exemption from permanent BMPs must be corded in the county deed records, with a notice that if the percent impervious cover creases 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 gional office of these changes. |
|--------------------------------------|--|
|                                      | <ul> <li>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.</li> <li>The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.</li> <li>The site will not be used for multi-family residential developments, schools, or small</li> </ul>  |
| 52.                                  | business sites.  Attachment J - BMPs for Upgradient Stormwater.  |
| 32. <u> </u>                         | <u> </u>   |
|                                      | <ul> <li>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.</li> <li>No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.</li> <li>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.</li> </ul>                                    |
| 53.                                  | Attachment K - BMPs for On-site Stormwater.  |
|                                      | <ul> <li>□ 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.</li> <li>□ 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.</li> </ul>  |
| 54.                                  | Attachment L - BMPs for Surface Streams. A description of the BMPs and measures that prevent pollutants from entering surface streams is attached.   |
| $\boxtimes$                          | N/A  |
| 55. 🔀                                | Attachment M - Construction Plans. Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are   |

|             | attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.   |
|-------------|--|
|             | N/A  |
| 56.         | Attachment N - Inspection, Maintenance, Repair and Retrofit Plan. A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:  Prepared and certified by the engineer designing the permanent BMPs and   |
|             | measures  Signed by the owner or responsible party  Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.  Contains a discussion of record keeping procedures   |
| $\boxtimes$ | N/A  |
| 57.         | <b>Attachment O - Pilot-Scale Field Testing Plan</b> . 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.  |
| $\boxtimes$ | N/A  |
| 58.         | Attachment P - Measures for Minimizing Surface Stream Contamination. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that result in water quality degradation.                        |
|             | N/A  |
| _           | ponsibility for Maintenance of Permanent BMPs and sures after Construction is Complete.  |
| 59.         | The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. |
| 60. 🔀       | A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development,   |

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

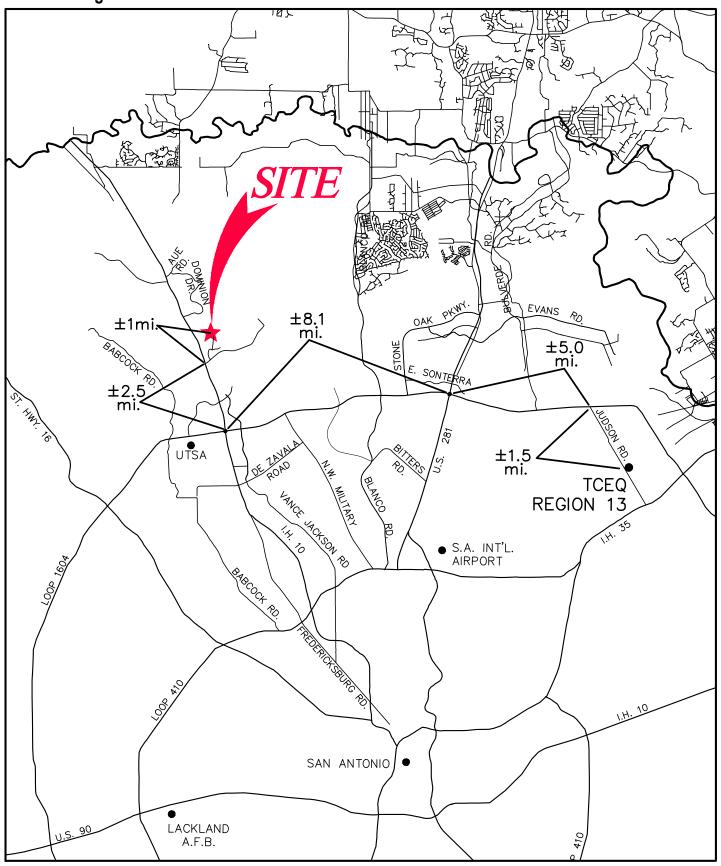
#### **Administrative Information**

| 51. 🔀        | 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.  |
|--------------|--|
| 52. <u>×</u> | 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.   |
| 53.          | The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document. |
| $\boxtimes$  | The Temporary Stormwater Section (TCEQ-0602) is included with the application.   |

# **ATTACHMENT A**

#### **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**





Pape-Dawson Consulting Engineers, LLC

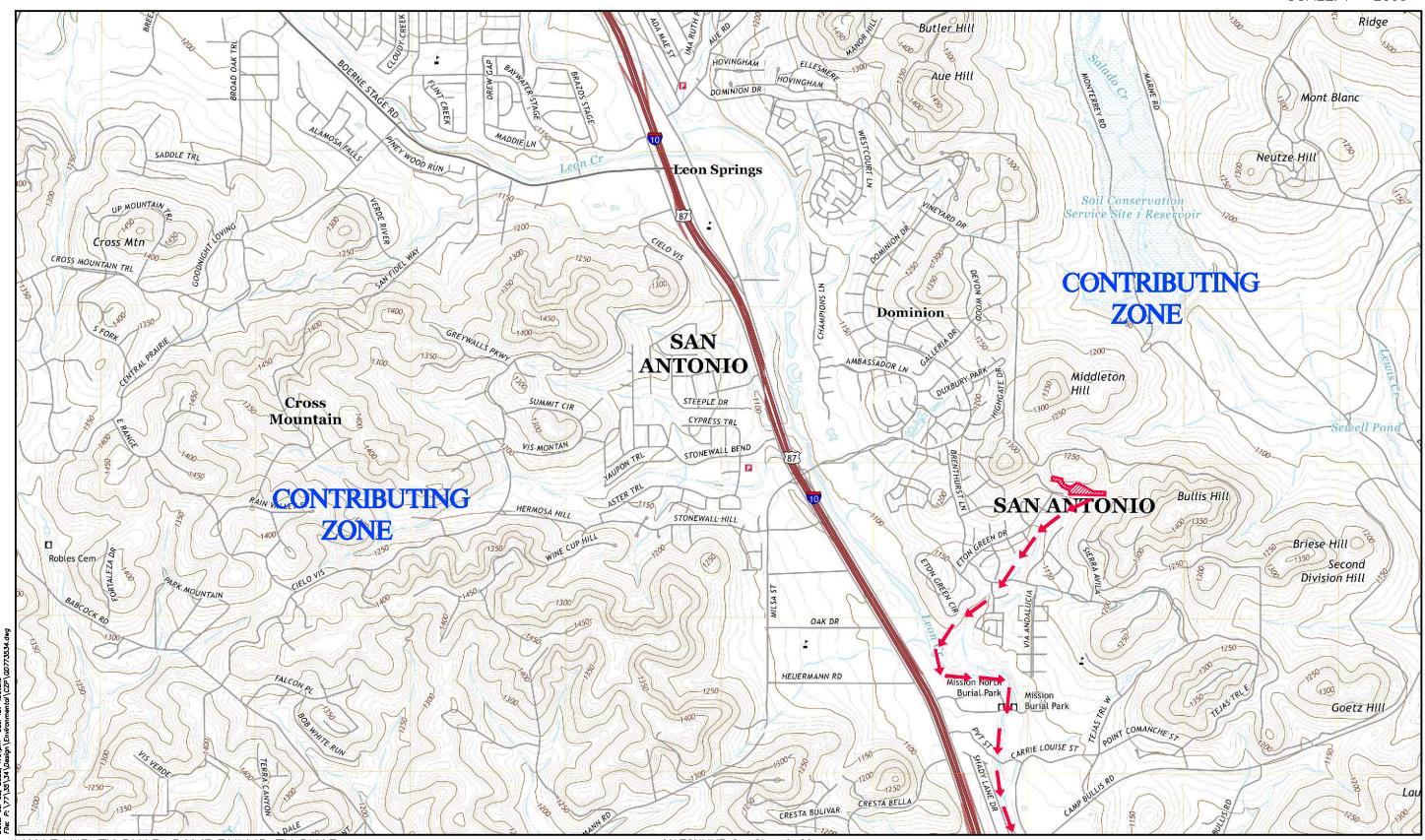
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ATTACHMENT A Road Map

# **ATTACHMENT B**

# LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan





VAN RAUB, TX QUAD; CAMP BULLIS, TX QUAD; HELOTES, TX QUAD; CASTLE HILLS, TX QUAD DRAINAGE FLOW 

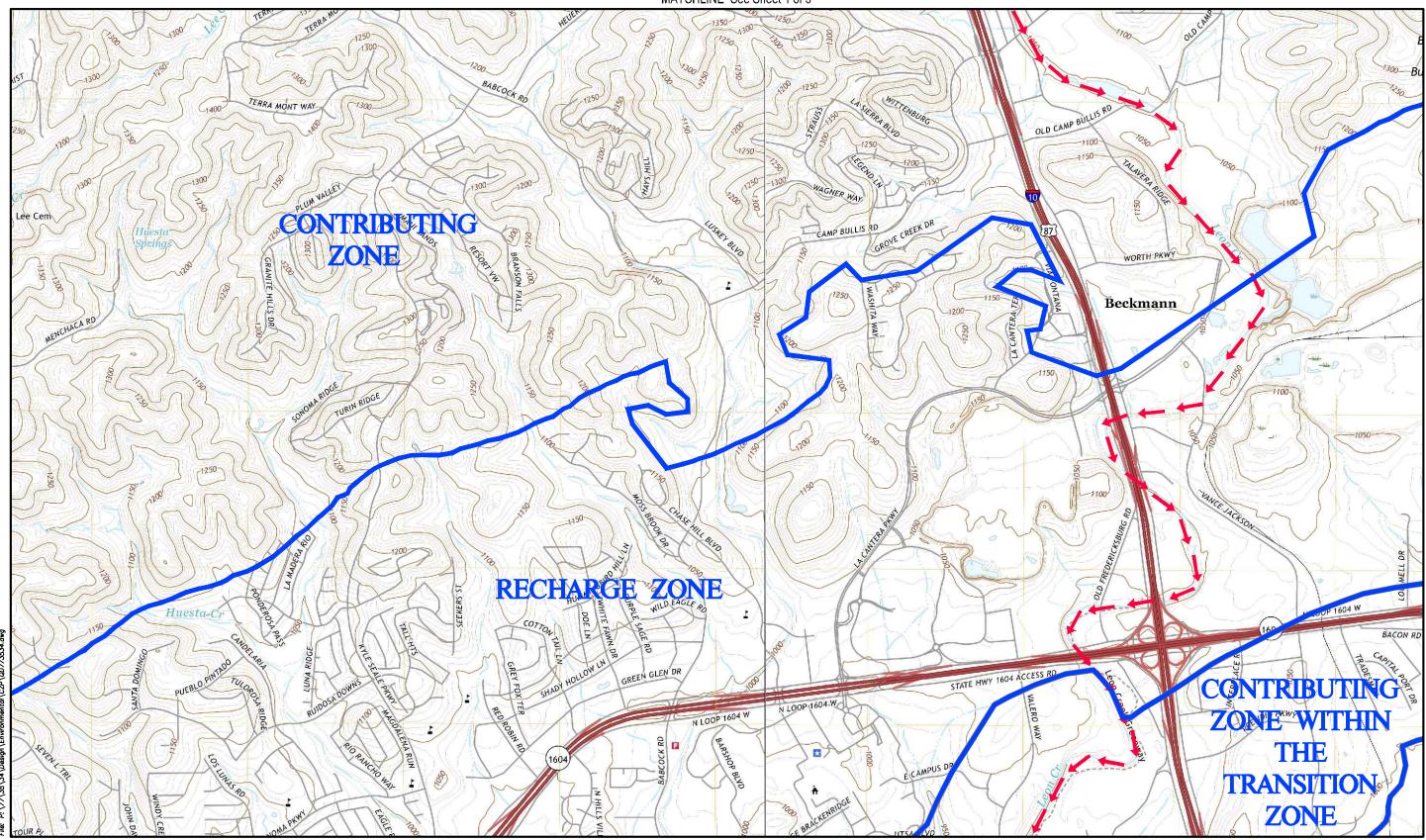
Pape—Dawson Consulting Engineers, LLC

MATCHLINE See Sheet 2 of 3

USGS/EDWARDS RECHARGE ZONE MAP Sheet 1 of 3 ATTACHMENT B



MATCHLINE See Sheet 1 of 3



VAN RAUB, TX QUAD; CAMP BULLIS, TX QUAD; HELOTES, TX QUAD; CASTLE HILLS, TX QUAD DRAINAGE FLOW -->

Pape-Dawson Consulting Engineers, LLC

MATCHLINE See Sheet 3 of 3

USGS/EDWARDS RECHARGE ZONE MAP Sheet 2 of 3 ATTACHMENT B



**Contributing Zone Plan** SCALE: 1" = 2000 MATCHLINE See Sheet 2 of 3 OW OAK ST BECKWITH I FM 156 RECHARGE ZONE ASHTON AUDREY UNIVERSITY HT. NEWCASTLE LN CONTRIBUTING ZONE CIRCLE S DR WITHIN THE RECHARGE ZONE CORIAN PARK DR TRANSITION ZONE SKYH CAM VENADO BAMBERGER TRL STABLE TRAIL D SUNSET HAVEN ST SPRING TIME ST NW PKWY CASCADE OAK DR ASPEN PARK SPRING BROOK ST SPRING HOLLOW ST SPRING FORES SPRING HURST DR SPRING ROSE DR TRANSFION ZONE SAN ANTONIO PRUE RD PRUE RD \* RAMBLING TRAIL DR STONEFIELD PL LOCKHILL RD COUNTRY BREEZE TRANSITION ZONE COUNTRY FIELD DR PEMBROKE RD SHADY WIND COUNTRY VIEW LN Old Tower Climb Trail STONYKIRK RD

VAN RAUB, TX QUAD; CAMP BULLIS, TX QUAD; HELOTES, TX QUAD; CASTLE HILLS, TX QUAD DRAINAGE FLOW ---

Pape-Dawson Consulting Engineers, LLC

USGS/EDWARDS RECHARGE ZONE MAP Sheet 3 of 3 ATTACHMENT B

# **ATTACHMENT C**

## LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan

#### Attachment C - Project Narrative

The Lot 1 Block 58 – Brenthurst Contributing Zone Plan (CZP) proposes the construction of a single-family residential development unit with 1 residential lot on an approximately 3.339-acre project site within the City of San Antonio, in Bexar County, Texas. Since the project is located entirely over the Edwards Contributing Zone, a Geologic Assessment was not conducted and is not required by 30 TAC 213 regulations. Therefore, no naturally occurring sensitive features are known to exist on the site.

The existing site is primarily undeveloped and wooded. This CZP proposes clearing, grading, excavation, installation of utilities and drainage, and construction of one (1) home with associated driveway. Approximately 0.666 acres of impervious cover, or 19.94% of the 3.339-acre project limits, are proposed for construction in this CZP. As the increase in impervious cover is less than 20%, there will be no proposed Permanent Best Management Practices (PBMPs) associated with this project.

Potable water service is to be provided by the San Antonio Water System (SAWS). The proposed development will generate approximately 200 gallons per day (average flow) of domestic wastewater based on the assumption of 200 gpd per EDU (200 gpd/EDU \* 1 EDU/home \* 1 home = 200 gpd).

Wastewater will be disposed of by conveyance to the existing Leon Creek Water Recycling Center operated by Central States Water Resources.



# **ATTACHMENT D**

## LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan

#### Attachment D - Factors Affecting Surface Water Quality

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

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

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

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



# **ATTACHMENT E**

# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

#### Attachment E - Volume and Character of Stormwater

Stormwater runoff will increase as a result of this development. For a 25-year storm event, the overall project will generate approximately 18.07 cfs. The runoff coefficient for the site changes from approximately 0.37 before development to 0.49 after development. Values are based on the Rational Method using runoff coefficients per the City of San Antonio Unified Development Code.



# **ATTACHMENT M**

# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

#### <u>Attachment M – Construction Plans</u>

Please refer to the Exhibits Section of this application for the Contributing Zone Plan Site Plans.



# **ATTACHMENT P**

# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

#### Attachment P - Measures for Minimizing Surface Stream Contamination

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



# TEMPORARY STORMWATER SECTION (TCEQ-0602)

# **Temporary Stormwater Section**

**Texas Commission on Environmental Quality** 

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

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

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

### Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: Andrew Belton, P.E.

Date: 110/25
Signature of Customer/Agent:

Regulated Entity Name: Lot 1 Block 58 - Brenthurst

### **Project Information**

### Potential Sources of Contamination

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

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

The following fuels and/or hazardous substances will be stored on the site: <u>construction</u> staging area

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

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

|    | <ul> <li>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.</li> <li>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.</li> </ul> |
|----|---|
|    | Fuels and hazardous substances will not be stored on the site.  |
| 2. | Attachment A - Spill Response Actions. A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.  |
| 3. | Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.   |
| 4. | Attachment B - Potential Sources of Contamination. A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.   |
| Se | equence of Construction   |
| 5. | Attachment C - Sequence of Major Activities. A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.   |
|    | <ul> <li>For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.</li> <li>For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.</li> </ul>  |
| 6. | Name the receiving water(s) at or near the site which will be disturbed or which will   |

### Temporary Best Management Practices (TBMPs)

receive discharges from disturbed areas of the project: Leon Creek

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

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

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

|             | There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.   |
|-------------|---|
|             | 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. |
| $\boxtimes$ | N/A   |
|             | Attachment I - Inspection and Maintenance for BMPs. A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.  |
| 13.         | All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.   |
|             | 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).  |
|             | Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.   |
| 16. 🔀       | Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).  |
| Soil        | Stabilization Practices   |
| =           | les: establishment of temporary vegetation, establishment of permanent vegetation, ng, 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. Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
19. Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

### **Administrative Information**

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

# **ATTACHMENT A**

# LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan

#### Attachment A - Spill Response Actions

In the event of an accidental leak or spill:

- Spill must be contained and cleaned up immediately.
- Spills will not be merely buried or washed with water.
- Contractor shall take action to contain spill. Contractor may use sand or other absorbent material stockpiled on site to absorb spill. Absorbent material should be spread over the spill area to absorb the spilled product.
- In the event of an uncontained discharge the contractor shall utilize onsite equipment to construct berms downgradient of the spill with sand or other absorbent material to contain and absorb the spilled product.
- Spill containment/absorbent materials along with impacted media must be collected and stored in such a way so as not to continue to affect additional media (soil/water). Once the spill has been contained, collected material should be placed on poly or plastic sheeting until removed from the site. The impacted media and cleanup materials should be covered with plastic sheeting and the edges weighed down with paving bricks or other similarly dense objects as the material is being accumulated. This will prevent the impacted media and cleanup materials from becoming airborne in windy conditions or impacting runoff during a rain event. The stockpiled materials should not be located within an area of concentrated runoff such as along a curb line or within a swale.
- Contaminated soils and cleanup materials will be sampled for waste characterization. When the analysis results are known the contaminated soils and cleanup materials will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.
- The contractor will be required to notify the owner, who will in turn contact TCEQ to notify them in
  the event of a significant hazardous/reportable quantity spill. Additional notifications as required by
  the type and amount of spill will be conducted by owner or owner's representative.

In the event of an accidental significant or hazardous spill:

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

- Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.



## **LOT 1 BLOCK 58 - BRENTHURST**

### **Contributing Zone Plan**

- Notification should first be made by telephone and followed up with a written report.
- The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.
- Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.

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



# **ATTACHMENT B**

# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

### <u>Attachment B – Potential Sources of Contamination</u>

Other potential sources of contamination during construction include:

| Potential Source   | Preventative Measure   |
|--|--|
| Asphalt products used on this project.   | After placement of asphalt, emulsion or coatings, the contractor will be responsible for immediate cleanup should an unexpected rain occur. For the duration of the asphalt product curing time, the contractor will maintain standby personnel and equipment to contain any asphalt wash-off should an unexpected rain occur. The contractor will be instructed not to place asphalt products on the ground within 48 hours of a forecasted rain. |
| Oil, grease, fuel, and hydraulic fluid contamination                             | <ul> <li>Vehicle maintenance when possible, will be</li> </ul>   |
| from construction equipment and vehicle dripping.                                | <ul> <li>performed within the construction staging area.</li> <li>Construction vehicles and equipment shall be checked regularly for leaks and repaired immediately.</li> </ul>  |
| Accidental leaks or spills of oil, petroleum products,                           | Contractor to incorporate into regular safety  |
| and substances listed under 40 CFR parts 110, 117,                               | meetings, a discussion of spill prevention and   |
| and 302 used or stored temporarily on site.                                      | appropriate disposal procedures.   |
|  | <ul> <li>Contractor's superintendent or representative<br/>overseer shall enforce proper spill prevention<br/>and control measures.</li> </ul>   |
|  | <ul> <li>Hazardous materials and wastes shall be stored<br/>in covered containers and protected from<br/>vandalism.</li> </ul>   |
|  | <ul> <li>A stockpile of spill cleanup materials shall be<br/>stored on site where it will be readily accessible.</li> </ul>  |
| Miscellaneous trash and litter from construction workers and material wrappings. | <ul> <li>Trash containers will be placed throughout the<br/>site to encourage proper trash disposal.</li> </ul>  |
| Construction debris.   | <ul> <li>Construction debris will be monitored daily by<br/>contractor. Debris will be collected weekly and<br/>placed in disposal bins. Situations requiring<br/>immediate attention will be addressed on a<br/>case-by-case basis.</li> </ul>  |
| Spills/Overflow of waste from portable toilets                                   | <ul> <li>Portable toilets will be placed away from high-traffic vehicular areas and storm drain inlets.</li> <li>Portable toilets will be placed on a level ground surface.</li> <li>Portable toilets will be inspected regularly for leaks and will be serviced and sanitized at time intervals that will maintain sanitary conditions.</li> </ul>  |



# **ATTACHMENT C**

# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

#### <u>Attachment C – Sequence of Major Activities</u>

The sequence of major activities which disturb soil during construction on this site will be divided into two stages. The first is site preparation that will include installation of TBMPs, clearing, and grubbing of vegetation where applicable. This will disturb approximately 0.666 acres. The second is construction that will include home construction and associated drives, construction of new pavement area, landscaping and site cleanup. This will disturb approximately 0.666 acres.



# **ATTACHMENT D**

# LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan

#### <u>Attachment D – Temporary Best Management Practices and Measures</u>

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

Upgradient stormwater from the north and the east side of the site will be intercepted by the existing storm drains at the existing street and routed through the site. All TBMPs are adequate for the drainage areas they serve.

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

Site preparation, which is the initiation of all activity on the project, will disturb the largest amount of soil. Therefore, before any of this work can begin, the clearing and grading contractor will be responsible for the installation of all on-site control measures. The methodology for pollution prevention of on-site stormwater will include: (1) installation of rock berms with silt fencing downgradient from areas of concentrated stormwater flow for temporary erosion control, (2) installation of stabilized construction entrance/exit(s) to reduce the dispersion of sediment from the site, and (3) installation of construction staging area(s).

Prior to the initiation of construction, all previously installed control measures will be repaired or reestablished for their designed or intended purpose. This work, which is the remainder of all activity on the project, may also disturb additional soil. The construction contractor will be responsible for the installation of all remaining on-site control measures that includes installation of the concrete truck washout pit(s), as construction phasing warrants.

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

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

As this site is entirely over the Edwards Aquifer Contributing Zone, a Geologic Assessment was not conducted and is not required; therefore, no sensitive features were identified. There are no surface streams on or immediately adjacent to the site.

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

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



# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

Since the project is located entirely over the Edwards Contributing Zone, a Geologic Assessment was not conducted and is not required by 30 TAC 213 regulations. Therefore, no naturally-occurring sensitive features are known to exist on the site. 30 TAC 213(f)(2) only applies to projects over the Edwards Recharge Zone.



# **ATTACHMENT F**

# LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan

#### **Attachment F – Structural Practices**

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

- Erection of silt fences along the downgradient boundary of construction activities and rock berms with silt fence for secondary protection, as located on Exhibit 1 and illustrated in Exhibit 2.
- Installation of gravel bags and drain inlet protection at inlets and downgradient areas of construction activities, as located on Exhibit 1 and illustrated in Exhibit 2.
- Installation of stabilized construction entrance/exit(s) and construction staging area(s), as located on Exhibit 1, and illustrated on Exhibit 2.

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

• Installation of concrete truck washout pit(s), as required and located on Exhibit 1 and illustrated on Exhibit 2.



# **ATTACHMENT G**

# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

#### Attachment G - Drainage Area Map

No more than ten (10) acres will be disturbed within a common drainage area at one time as construction of civil infrastructure (utilities, roads, drainage, etc.) will precede home building construction. Refer to included exhibits for additional details. All TBMPs utilized are adequate for the drainage areas served.



# **ATTACHMENT I**

### **LOT 1 BLOCK 58 - BRENTHURST**

### **Contributing Zone Plan**

#### **INSPECTIONS**

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

As a minimum, the inspector shall observe: (1) significant disturbed areas for evidence of erosion, (2) storage areas for evidence of leakage from the exposed stored materials, (3) structural controls (rock berm outlets, silt fences, drainage swales, etc.) for evidence of failure or excess siltation (over 6 inches deep), (4) vehicle exit point for evidence of off-site sediment tracking, (5) vehicle storage areas for signs of leaking equipment or spills, (6) concrete truck rinse-out pit for signs of potential failure, (7) embankment, spillways, and outlet of sediment basin (where applicable) for erosion damage, and (8) sediment basins (where applicable) for evidence that basin has accumulated 50% of its volume in silt. Deficiencies noted during the inspection will be corrected and documented within seven calendar days following the inspection or before the next anticipated storm event if practicable.

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



### **LOT 1 BLOCK 58 - BRENTHURST**

### **Contributing Zone Plan**

| Pollution  |   | Corrective Action Required  |   |
|--|---|---|---|
| Prevention   | ed ance                                     |   |   |
| Measure  | Inspected i                                 | Description   | Date  |
|  | S is  | (use additional sheet if necessary  | (y) Completed   |
| Best Management Practices  |   |   |   |
| Natural vegetation buffer strips   |   |   |   |
| Temporary vegetation   |   |   |   |
| Permanent vegetation   |   |   |   |
| Sediment control basin   |   |   |   |
| Silt fences  |   |   |   |
| Rock berms   |   |   |   |
| Gravel filter bags   |   |   |   |
| Drain inlet protection   |   |   |   |
| Other structural controls  |   |   |   |
| Vehicle exits (off-site tracking)  |   |   |   |
| Material storage areas (leakage)   |   |   |   |
| Equipment areas (leaks, spills)  |   |   |   |
| Concrete washout pit (leaks, failure)  |   |   |   |
| General site cleanliness   |   |   |   |
| Trash receptacles  |   |   |   |
| Evidence of Erosion  |   |   |   |
| Site preparation   |   |   |   |
| Roadway or parking lot construction  |   |   |   |
| Utility construction   |   |   |   |
| Drainage construction  |   |   |   |
| Building construction  |   |   |   |
| Major Observations   |   |   |   |
| Sediment discharges from site  |   |   |   |
| BMPs requiring maintenance   |   |   |   |
| BMPs requiring modification  |   |   |   |
| Additional BMPs required   |   |   |   |
| A brief statement describing the qu  | ıalificatio                                 | ns of the inspector is included in t  | his SWP3.   |
| "I certify under penalty of law that this document as<br>system designed to assure that qualified personnel p<br>or persons who manage the system, or those persons<br>of my knowledge and belief, true, accurate, and com<br>the possibility of fine and imprisonment for knowing | roperly gath<br>directly res<br>plete. I am | er and evaluate the information submitted ponsible for gathering the information, the i | . Based on my inquiry of the persor information submitted is, to the best |
| "I further certify I am an authorized signatory in acco  | rdance with                                 | the provisions of 30 TAC §305.128."   |   |
| Inspector's Name   | Inspector                                   | 's Signature Da   | nte .   |



# **LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan**

#### **PROJECT MILESTONE DATES**

Date when major site grading activities begin: **Construction Activity** Date Installation of BMPs Dates when construction activities temporarily or permanently cease on all or a portion of the project: **Construction Activity** Date Dates when stabilization measures are initiated: **Stabilization Activity** <u>Date</u>

Removal of BMPs

# **ATTACHMENT J**

# LOT 1 BLOCK 58 - BRENTHURST Contributing Zone Plan

#### Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

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

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



# NOTICE OF INTENT (TCEQ-20022)



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

#### IMPORTANT INFORMATION

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

Use the NOI Checklist to ensure all required information is completed correctly. **Incomplete applications delay approval or result in automatic denial.** 

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

#### **ePERMITS**

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

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

### APPLICATION FEE AND PAYMENT

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

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

Provide your payment information for verification of payment:

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

| RE   | NEWAL (This portion of the NOI is not applicable after June 3, 2018)   |
|------|--|
| Is t | his NOI for a renewal of an existing authorization? $\square$ Yes $\square$ No   |
| If Y | Yes, provide the authorization number here: TXR15  |
| NC   | TE: If an authorization number is not provided, a new number will be assigned.   |
| SE   | CTION 1. OPERATOR (APPLICANT)  |
| a)   | If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? CN $\underline{606071124}$   |
|      | (Refer to Section 1.a) of the Instructions)  |
| b)   | What is the Legal Name of the entity (applicant) applying for this permit? (The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.) |
|      | Click here to enter text.  |
| c)   | What is the contact information for the Operator (Responsible Authority)?  |
|      | Prefix (Mr. Ms. Miss):   |
|      | First and Last Name: Suffix: Suffix:   |
|      | Title: Credentials: Credentials:   |
|      | Phone Number: Fax Number:  |
|      | E-mail: Click here to enter text   |
|      | Mailing Address:   |
|      | City, State, and Zip Code:   |
|      | Mailing Information if outside USA:  |
|      | Territory:   |
|      | Country Code: Postal Code:   |
| d)   | Indicate the type of customer:   |
|      | ☐ Individual ☐ Federal Government  |
|      | ☐ Limited Partnership ☐ County Government  |
|      | ☐ General Partnership ☐ State Government   |
|      | ☐ Trust ☐ City Government  |
|      | □ Sole Proprietorship (D.B.A.) □ Other Government  |
|      | □ Corporation □ Other:   |
|      | □ Estate   |
| e)   | Is the applicant an independent operator? $\square$ Yes $\square$ No   |

|      | (If a governmental entity, a subsidiary, or part of a larger corporation, check No.)   |
|------|--|
| f)   | Number of Employees. Select the range applicable to your company.  |
|      | □ 0-20 □ 251-500   |
|      | □ 21-100 □ 501 or higher   |
|      | □ 101-250  |
| g)   | Customer Business Tax and Filing Numbers: ( <b>Required</b> for Corporations and Limited Partnerships. <b>Not Required</b> for Individuals, Government, or Sole Proprietors.)  |
|      | State Franchise Tax ID Number:   |
|      | Federal Tax ID:  |
|      | Texas Secretary of State Charter (filing) Number:  |
|      | DUNS Number (if known):  |
| SE(  | CTION 2. APPLICATION CONTACT   |
|      |  |
| IS ( | the application contact the same as the applicant identified above?  |
|      | ☐ Yes, go to Section 3   |
|      | □ No, complete this section  |
| Pre  | efix (Mr. Ms. Miss):   |
| Fir  | st and Last Name: Suffix:  |
| Tit  | le: Credential:  |
| Org  | ganization Name:   |
| Pho  | one Number: Fax Number:  |
| E-n  | nail: Click here to enter text   |
| Ma   | iling Address:   |
| Int  | ernal Routing (Mail Code, Etc.):   |
| Cit  | y, State, and Zip Code: White how the state of the control of the  |
| Ma   | iling information if outside USA:  |
| Tei  | rritory: Thek here to enter text   |
| Co   | untry Code: Mak home to come town Postal Code: Mak home to content to the content |
| SEC  | CTION 3. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE  |
|      |  |
| a)   | If this is an existing permitted site, what is the Regulated Entity Number (RN) issued to this site? RN $\underline{111591822}$  |

 $\label{eq:TCEQ-20022} TCEQ-20022~(3/6/2018) \\ Notice of Intent for Construction Stormwater Discharges under TXR150000 \\ P:\77\35\34\Word\Reports\CZP\f-20022\_notice\_of\_intent~(NOI).docx \\ \end{array}$ 

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

- b) Name of project or site (the name known by the community where it's located): Lot 1 Block 58 Brenthurst
- c) In your own words, briefly describe the type of construction occurring at the regulated site (residential, industrial, commercial, or other): <a href="mailto:single-family">single-family</a> residential
- d) County or Counties (if located in more than one): Bexar
- e) Latitude: <u>29.64125 N</u> Longitude: <u>-98.60363 W</u>
- f) Site Address/Location

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

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

Section A:

Street Number and Name: <u>21500 Brenthurst Lane</u> City, State, and Zip Code: San Antonio, Texas 78257

Section B:

Location Description:

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

Zip Code where the site is located:

### SECTION 4. GENERAL CHARACTERISTICS

- a) Is the project or site located on Indian Country Lands?
  - ☐ Yes, do not submit this form. You must obtain authorization through EPA Region 6.

⊠ No

- b) Is your construction activity associated with a facility that, when completed, would be associated with the exploration, development, or production of oil or gas or geothermal resources?
  - ☐ Yes. Note: The construction stormwater runoff may be under jurisdiction of the Railroad Commission of Texas and may need to obtain authorization through EPA Region 6.

⊠ No

- c) What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site? <u>1521</u>
- d) What is the Secondary SIC Code(s), if applicable? 1611
- e) What is the total number of acres to be disturbed? 0.667
- f) Is the project part of a larger common plan of development or sale?

|  | □ Yes  |
|--|--|
|  | No. The total number of acres disturbed, provided in e) above, must be 5 or more. If the total number of acres disturbed is less than 5, do not submit this form. See the requirements in the general permit for small construction sites.   |
| g)   | What is the estimated start date of the project? <u>Click here to enter text.</u>  |
| h)   | What is the estimated end date of the project? <u>Click here to enter text.</u>  |
| i)   | Will concrete truck washout be performed at the site? $\square$ Yes $\square$ No   |
| j)   | What is the name of the first water body(ies) to receive the stormwater runoff or potential runoff from the site? <u>Upper Leon Creek</u>  |
| k)   | What is the segment number(s) of the classified water body(ies) that the discharge will eventually reach? $\underline{1907}$   |
| l)   | Is the discharge into a Municipal Separate Storm Sewer System (MS4)?   |
|  | ⊠ Yes □ No   |
|  | If Yes, provide the name of the MS4 operator: <u>SAWS</u>  |
|  | Note: The general permit requires you to send a copy of this NOI form to the MS4 operator.   |
| m)   | Is the discharge or potential discharge from the site within the Recharge Zone,<br>Contributing Zone, or Contributing Zone within the Transition Zone of the<br>Edwards Aquifer, as defined in 30 TAC Chapter 213?   |
|  |  |
|  | ⊠ Yes, complete the certification below.   |
|  | <ul><li>☑ Yes, complete the certification below.</li><li>☑ No, go to Section 5</li></ul>   |
|  |  |
| SE   | □ No, go to Section 5  I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or referenced in the Stormwater Pollution  |
|  | □ No, go to Section 5  I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or referenced in the Stormwater Pollution Prevention Plan will be implemented.   □ Yes   |
| a)   | □ No, go to Section 5  I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or referenced in the Stormwater Pollution Prevention Plan will be implemented.   ▼ Yes  CTION 5. NOI CERTIFICATION  I certify that I have obtained a copy and understand the terms and conditions of the   |
| a)<br>b)                                   | □ No, go to Section 5  I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or referenced in the Stormwater Pollution Prevention Plan will be implemented. □ Yes  CTION 5. NOI CERTIFICATION  I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000). □ Yes  I certify that the full legal name of the entity applying for this permit has been provided   |
| <ul><li>a)</li><li>b)</li><li>c)</li></ul> | □ No, go to Section 5  I certify that the copy of the TCEQ-approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) that is included or referenced in the Stormwater Pollution Prevention Plan will be implemented.   ☑ Yes  CTION 5. NOI CERTIFICATION  I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000). □ Yes  I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas. □ Yes  I understand that a Notice of Termination (NOT) must be submitted when this |

| Operator Signatory Name:   |
|--|
| Operator Signatory Title:  |
| certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. |
| further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.   |
|  |

Signature (use blue ink): \_\_\_\_\_\_ Date: \_\_\_\_\_

SECTION 6. APPLICANT CERTIFICATION SIGNATURE

## NOTICE OF INTENT CHECKLIST (TXR150000)

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

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

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

| APPLICATION FEE   |
|---|
| If paying by check:   |
| ☐ Check was mailed <b>separately</b> to the TCEQs Cashier's Office. (See Instructions for Cashier's address and Application address.) |
| □ Check number and name on check is provided in this application.   |
| If using ePay:  |
| $\square$ The voucher number is provided in this application and a copy of the voucher is attached.                                   |
| RENEWAL   |
| ☐ If this application is for renewal of an existing authorization, the authorization number is provided.                              |
| OPERATOR INFORMATION  |
| □ Customer Number (CN) issued by TCEQ Central Registry  |
| ☐ Legal name as filed to do business in Texas. (Call TX SOS 512-463-5555 to verify.)  |
| $\square$ Name and title of responsible authority signing the application.  |
| ☐ Phone number and e-mail address   |
| ☐ Mailing address is complete & verifiable with USPS. <u>www.usps.com</u>   |
| ☐ Type of operator (entity type). Is applicant an independent operator?   |
| □ Number of employees.  |
| $\square$ For corporations or limited partnerships – Tax ID and SOS filing numbers.   |
| $\hfill\square$ Application contact and address is complete & verifiable with USPS.<br>$\underline{\text{http://www.usps.com}}$       |
| REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE  |
| □ Regulated Entity Number (RN) (if site is already regulated by TCEQ)   |
| ☐ Site/project name and construction activity description   |
| □ County  |

| ☐ Latitude and longitude <a href="http://www.tceq.texas.gov/gis/sqmaview.html">http://www.tceq.texas.gov/gis/sqmaview.html</a>  |
|---|
| ☐ Site Address/Location. Do not use a rural route or post office box.   |
| GENERAL CHARACTERISTICS   |
| □ Indian Country Lands -the facility is not on Indian Country Lands.  |
| □ Construction activity related to facility associated to oil, gas, or geothermal resources                                     |
| ☐ Primary SIC Code that best describes the construction activity being conducted at the site. www.osha.gov/oshstats/sicser.html |
| ☐ Estimated starting and ending dates of the project.   |
| □ Confirmation of concrete truck washout.   |
| $\square$ Acres disturbed is provided and qualifies for coverage through a NOI.   |
| □ Common plan of development or sale.   |
| □ Receiving water body or water bodies.   |
| □ Segment number or numbers.  |
| □ MS4 operator.   |
| □ Edwards Aquifer rule.   |
| CERTIFICATION   |
| ☐ Certification statements have been checked indicating Yes.  |
| ☐ Signature meets 30 Texas Administrative Code (TAC) §305.44 and is original.   |

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

### GENERAL INFORMATION

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

By Regular Mail: By Overnight or Express Mail:

TCEQ

Stormwater Processing Center (MC228) Stormwater Processing Center (MC228)

P.O. Box 13087 12100 Park 35 Circle

Austin, Texas 78711-3087 Austin, TX

### **Application Fee:**

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

### **Mailed Payments:**

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

### ePAY Electronic Payment: <a href="http://www.tceq.texas.gov/epay">http://www.tceq.texas.gov/epay</a>

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

#### **TCEQ Contact List:**

Application – status and form questions: 512-239-3700, swpermit@tceq.texas.gov 512-239-4671, swgp@tceq.texas.gov

Environmental Law Division: 512-239-0600 Records Management - obtain copies of forms: 512-239-0900

Reports from databases (as available): 512-239-DATA (3282)

Cashier's office: 512-239-0357 or 512-239-0187

### **Notice of Intent Process:**

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

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

mailing address.

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

or

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

#### **General Permit (Your Permit)**

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

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

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

#### **Change in Operator**

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

#### **TCEQ Central Registry Core Data Form**

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

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

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

#### INSTRUCTIONS FOR FILLING OUT THE NOI FORM

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

#### Section 1. OPERATOR (APPLICANT)

#### a) Customer Number (CN)

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

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

#### b) Legal Name of Applicant

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

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

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

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

The phone number should provide contact to the applicant.

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

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

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

#### **Individual**

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

#### **Partnership**

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

the 'General Partnership' or 'Joint Venture' must be provided. Each 'legal entity' must apply as a co-applicant.

#### **Trust or Estate**

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

#### Sole Proprietorship (DBA)

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

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

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

#### Corporation

A customer that meets all of these conditions:

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

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

#### Government

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

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

#### Other

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

#### e) Independent Entity

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

#### f) Number of Employees

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

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

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

#### State Franchise Tax ID Number

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

#### Federal Tax ID

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

#### TX SOS Charter (filing) Number

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

#### **DUNS Number**

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

#### Section 2. APPLICATION CONTACT

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

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

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

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

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

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

An example is a chemical plant where a unit is owned or operated by a separate corporation that is accessible by the same physical address of your unit or facility.

Other examples include industrial parks identified by one common address but different corporations have control of defined areas within the site. In both cases, an RN would be assigned for the physical address location and the permitted sites would be identified separately under the same RN.

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

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

#### c) Description of Activity Regulated

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

#### d) County

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

#### e) Latitude and Longitude

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

#### f) Site Address/Location

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

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

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

#### Section 4. GENERAL CHARACTERISTICS

#### a) Indian Country Lands

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

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

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

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

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

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

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

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

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

Common SIC Codes related to construction activities include:

- 1521 Construction of Single Family Homes
- 1522 Construction of Residential Buildings Other than Single Family Homes
- 1541 Construction of Industrial Buildings and Warehouses
- 1542 Construction of Non-residential Buildings, other than Industrial Buildings and Warehouses
- 1611 Highway and Street Construction, except Highway Construction
- 1622 Bridge, Tunnel, and Elevated Highway Construction
- 1623 Water, Sewer, Pipeline and Communications, and Power Line Construction

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

#### d) Secondary SIC Code

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

#### e) Total Number of Acres Disturbed

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

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

#### Common Plan of Development

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

For more information on what a common plan of development is, refer to the definition of "Common Plan of Development" in the Definitions section of the general permit or enter the following link into your internet browser:

www.tceg.texas.gov/permitting/stormwater/common plan of development steps.html

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

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

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

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

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

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

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

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

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

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

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

Identify the classified segment number(s) receiving a discharge directly or indirectly. Enter the following link into your internet browser to find the segment number of the classified water body where stormwater will flow from the site: <a href="https://www.tceq.texas.gov/waterquality/monitoring/viewer.html">www.tceq.texas.gov/waterquality/monitoring/viewer.html</a> or by contacting the TCEQ Water Quality Division at (512) 239-4671 for assistance.

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

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

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

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

#### l) Discharge into MS4 - Identify the MS4 Operator

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

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

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

See maps on the TCEQ website to determine if the site is located within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer by entering the following link into an internet browser: <a href="https://www.tceq.texas.gov/field/eapp/viewer.html">www.tceq.texas.gov/field/eapp/viewer.html</a> or by contacting the TCEQ Water Quality Division at 512-239-4671 for assistance.

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

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

#### Section 5. NOI CERTIFICATION

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

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

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

#### b) Certification of Legal Name

The full legal name of the applicant as authorized to do business in Texas is required. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or

on other legal documents forming the entity, that is filed in the county where doing business. You may contact the SOS at 512-463 5555, for more information related to filing in Texas.

#### c) Understanding of Notice of Termination

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

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

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

#### Section 6. APPLICANT CERTIFICATION SIGNATURE

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

#### If you are a corporation:

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

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

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

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

#### 30 Texas Administrative Code

#### §305.44. Signatories to Applications

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

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

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

## Texas Commission on Environmental Quality General Permit Payment Submittal Form

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

#### **Instructions:**

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

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

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

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

| Αu | istin, TX 7 | 8711-30  | )88             | Austin, TX 78753  |       |  |  |
|----|-------------|----------|-----------------|-------------------|-------|--|--|
| Fe | e Code:     | GPA      | General Permit: | TXR150000         |       |  |  |
| 1. | Check or    | Money    | Order No:       | re to enter text. |       |  |  |
| 2. | Amount      | of Chec  | k/Money Order:  |                   | rtext |  |  |
| 3. | Date of C   | Check or | Money Order:    |                   | text  |  |  |

5. NOI Information:

4. Name on Check or Money Order:

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

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

| Project/Site (RE) Name:        | nere to enter text.             |
|--------------------------------|---------------------------------|
| Project/Site (RE) Physical Add | lress: Click here to enter text |

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

# AGENT AUTHORIZATION FORM (TCEQ-0599)

#### Agent Authorization Form

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

| 1               | Rajeev Puri                           |         |  |
|-----------------|---------------------------------------|---------|--|
|                 | Print Name                            |         |  |
|                 | Manager                               | 411.1   |  |
|                 | Title - Owner/President/Other         | 4,53843 |  |
| of              | Dominion Howell West LLC              |         |  |
|                 | Corporation/Partnership/Entity Name   |         |  |
| have authorized | Pape-Dawson Consulting Engineers, LLC |         |  |
|                 | Print Name of Agent/Engineer          |         |  |
| of              | Pape-Dawson Consulting Engineers, LLC |         |  |
| Na. 38          | 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.
- 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.
- Application fees are due and payable at the time the application is submitted. The
  application fee must be sent to the TCEQ cashier or to the appropriate regional office.
  The application will not be considered until the correct fee is received by the
  commission.
- 4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
- 5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

#### SIGNATURE PAGE:

Applicant's Signature

07/03/2015

THE STATE OF TEXAS §

County of BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared RAJEEV PURE 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 3rd day of Ju

JON1 L. WARREN
Notary Public, State of Texas
Comm. Expires 02-24-2029
Notary ID 126815981

Son J. Warren

Joni L. WARREN

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 2/24/2029

# APPLICATION FEE FORM (TCEQ-0574)

| Application re  | e rom   |  |                        |  |  |
|---|---|--|------------------------|--|--|
| <b>Texas Commission on Environme</b> Name of Proposed Regulated Ent Regulated Entity Location: <u>Direct</u> Name of Customer: <u>Dominion Ho</u> | tity: <u>Lot 1 Block 58 - Brer</u><br>ly Southwest of Brenthu<br>owell West LLC | rst Lane and Reserva <i>F</i>                                    | Avila intersection     |  |  |
| Contact Person: Rajeev Puri   |   | e: <u>210-698-3004</u>   |                        |  |  |
| Customer Reference Number (if   |   |  |                        |  |  |
| Regulated Entity Reference Num  | ber (if issued):RN <u>11159</u>   | <u>1822</u>  |                        |  |  |
| Austin Regional Office (3373)   |   |  |                        |  |  |
| Hays  | ☐ Travis  | ☐ Wi   | lliamson               |  |  |
| San Antonio Regional Office (33   | 62)   |  |                        |  |  |
| Bexar   | Medina  | □Uv  | alde                   |  |  |
| Comal   | Kinney  |  |                        |  |  |
| Application fees must be paid by  | <del></del>   | or money order, payab  | le to the <b>Texas</b> |  |  |
| Commission on Environmental C   |   |  |                        |  |  |
| form must be submitted with yo  |   |  |                        |  |  |
|   |   |  |                        |  |  |
| Austin Regional Office  |   | an Antonio Regional Office Overnight Delivery to: TCEQ - Cashier |                        |  |  |
| Mailed to: TCEQ - Cashier   |   |  |                        |  |  |
| Revenues Section  |   | 2100 Park 35 Circle  |                        |  |  |
| Mail Code 214   |   | uilding A, 3rd Floor   |                        |  |  |
| P.O. Box 13088  |   | Austin, TX 78753<br>512)239-0357                                 |                        |  |  |
| Austin, TX 78711-3088   | •   | 512/259-0557   |                        |  |  |
| Site Location (Check All That Ap  | ріу):   | _  |                        |  |  |
| Recharge Zone   | Contributing Zone   | Transi   | tion Zone              |  |  |
| Type of Plo   | an  | Size   | Fee Due                |  |  |
| Water Pollution Abatement Plan  | , Contributing Zone   |  |                        |  |  |
| Plan: One Single Family Resident  | ial Dwelling  | 3.339 Acres  | \$ 650                 |  |  |
| Water Pollution Abatement Plan  | , Contributing Zone   |  |                        |  |  |
| Plan: Multiple Single Family Resi   |   | Acres  | \$                     |  |  |
| Water Pollution Abatement Plan  |   |  |                        |  |  |
| Plan: Non-residential   | Acres   | \$   |                        |  |  |
| Sewage Collection System  | L.F.  | \$   |                        |  |  |
| Lift Stations without sewer lines   | Acres   | \$   |                        |  |  |
| Underground or Aboveground S  | Tanks   | \$   |                        |  |  |
| Piping System(s)(only)  |   | Each   | \$                     |  |  |
| Exception   |   | Each   | \$                     |  |  |
| Extension of Time   | 6   | Each   | \$                     |  |  |

Date: 7/10/25

1 of 2

Signature: \_

## **Application Fee Schedule**

**Texas Commission on Environmental Quality** 

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

#### Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

## Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

**Exception Requests** 

| Project           | Fee   |
|-------------------|-------|
| Exception Request | \$500 |

Extension of Time Requests

| Project                   | Fee   |
|---------------------------|-------|
| Extension of Time Request | \$150 |

# CORE DATA FORM (TCEQ-10400)



## **TCEQ Core Data Form**

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

#### **SECTION I: General Information**

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

| New Pern         | nit, Registra                                    | ation or Authorization                       | (Core Data Form        | should be                                | submitte    | ed with    | n the prog   | ram application.)                  |                      |               |                   |
|------------------|--|--|------------------------|--|-------------|------------|--|------------------------------------|----------------------|---------------|-------------------|
| Renewal (        | (Core Data                                       | Form should be submi                         | tted with the ren      | ewal form)                               | )           |            |  | ther                               |                      |               |                   |
| 2. Customer I    |  | Number (if issued)                           | _                      | ollow this I<br>or CN or RN<br>Central F | N numbe     | rs in      | 3. Regulated Entity Reference Number (if issued)  RN 111591822 |                                    |                      |               | issued)           |
| ECTION           |  | Customer                                     |                        |  |             | r Info     | rmation  | Updates (mm/do                     | 1/2224               |               | 1                 |
| 4. General Cu    | istomer in                                       |  |                        |  | 1 11110     | TITIALIOIT | opuates (mm/ac   | 1/ УУУУ)                           |                      |               |                   |
| ☐ New Custor     |  | <del></del>                                  | Ipdate to Custom       |  |             | atrell-    | _  | nge in Regulated E                 | ntity Own            | ership        |                   |
| cnange in Le     | egai ivame (                                     | (Verifiable with the Te                      | xas secretary of S     | state or Tex                             | kas comp    | otrolle    | r of Public  | . Accounts)                        |                      |               |                   |
| (SOS) or Texa    | s Comptro  | ubmitted here may l<br>oller of Public Accou | ınts (CPA).            |  |             | d on v     | what is c  |                                    |                      |               |                   |
| 6. Customer I    | Legal Nam  | ne (If an individual, pri                    | int last name first    | : eg: Doe, .                             | John)       |            |  | <u>If new Customer</u>             | r, enter pr          | evious Custon | <u>ner below:</u> |
| Dominion How     | ell West LL                                      | C  |                        |  |             |            |  |                                    |                      |               |                   |
| 7. TX SOS/CP     | A Filing No                                      | umber  | 8. TX State Ta         | TX State Tax ID (11 digits)              |             |            | 9. Federal Tax ID (9 digits)                                   |                                    | 10. DUNS applicable) | Number (if    |                   |
| 11. Type of C    | ustomer:   | ☐ Corpora                                    | tion                   |  |             |            | ☐ Individual Partnership: ☐                                    |                                    |                      | ership: 🔲 Gei | neral 🔲 Limited   |
|                  |  | County  Federal                              | Local State            | Other                                    |             |            | Sole Proprietorship Other:                                     |                                    |                      |               |                   |
| 12. Number o     |  |  |                        |  |             |            |  | 13. Independe                      | ently Ow             | ned and Op    | erated?           |
|                  |  | ] 101-250   251-                             | -500 🔲 501 aı          | nd higher                                |             |            |  | Yes                                | ☐ No                 | ·             |                   |
| 14. Customer     | Role (Pro  | posed or Actual) – as i                      | it relates to the R    | egulated E                               | ntity liste | ed on t    | this form.   | Please check one o                 | of the follo         | owing         |                   |
| Owner Occupation | al Licensee                                      | Operator Responsible Pa                      | _                      | er & Opera<br>CP/BSA App                 |             |            |  | ☐ Other                            | r:                   |               |                   |
| 15. Mailing      | 6002 Can   | np Bullis Rd Suite 201                       |                        |  |             |            |  |                                    |                      |               |                   |
| Address:         | City   | San Antonio                                  |                        | State                                    | TX          |            | ZIP  | 78257                              |                      | ZIP + 4       | 9766              |
|                  | City   | Jail Alitolilo                               |                        | State                                    | 17          |            | ZIP  | 70237                              |                      | ZIF T 4       | 3700              |
| 16. Country N    | 16. Country Mailing Information (if outside USA) |  |                        |  |             |            |  | 17. E-Mail Address (if applicable) |                      |               |                   |
|                  |  |  | rpuri@athenadomain.com |  |             |            |  |                                    |                      |               |                   |

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| 18. Telephone Number                          | 19. Extension of     | or Code           |                        |                  | 20. Fax Number (if applicable) |                                |            |                |             |                 |
|---|----------------------|-------------------|------------------------|------------------|--------------------------------|--------------------------------|------------|----------------|-------------|-----------------|
| 210 ) 698-3004                                |                      |                   |                        |                  |                                |                                | (          | ) -            |             |                 |
| CTION III:                                    | Regula               | ated En           | tity Infor             | mat              | ion                            |                                | ı          |                |             |                 |
| 1. General Regulated Er                       |                      |                   |                        |                  |                                | rmit applica                   | ation is a | lso required.) |             |                 |
| New Regulated Entity                          | Update to            | Regulated Entity  | y Name 🔲 Update        | e to Regu        | ılated E                       | ntity Inform                   | nation     |                |             |                 |
| he Regulated Entity Na<br>s Inc, LP, or LLC). | me submitte          | d may be updo     | ated, in order to m    | eet TCE          | Q Core                         | Data Sta                       | ndards     | (removal of or | rganization | al endings such |
| 2. Regulated Entity Nan                       | <b>me</b> (Enter nam | e of the site whe | ere the regulated acti | on is tak        | ing plac                       | e.)                            |            |                |             |                 |
| ot 1 Block 58 - Brenthurst                    |                      |                   |                        |                  |                                |                                |            |                |             |                 |
| 3. Street Address of he Regulated Entity:     | 21500 Bren           | thurst Ln         |                        |                  |                                |                                |            |                |             |                 |
| No PO Boxes)                                  | City                 | San Antonio       | State                  | TX               |                                | ZIP                            | 7825       | 7              | ZIP + 4     |                 |
| 4. County                                     | Bexar                |                   |                        |                  |                                |                                |            |                |             |                 |
|   |                      | If no Stre        | eet Address is prov    | vided, fi        | elds 25                        | 5-28 are re                    | quired.    |                |             |                 |
| 5. Description to                             |                      |                   |                        |                  |                                |                                |            |                |             |                 |
| hysical Location:                             |                      |                   |                        |                  |                                |                                |            |                |             |                 |
| 6. Nearest City                               |                      |                   |                        |                  |                                |                                | State      |                | Nea         | rest ZIP Code   |
| atitude/Longitude are r                       | required and         | may be added      | d/updated to meet      | TCEQ (           | Core D                         | ata Stando                     | ards. (G   | eocoding of th | ne Physical | Address may b   |
| sed to supply coordinat                       | -                    | -                 | · •                    |                  |                                |                                | •          | ,              | ,           | ,               |
| 7. Latitude (N) In Decim                      | nal:                 | 29.64125          |                        |                  | 28. Lo                         | ngitude (\                     | N) In De   | ecimal:        | -98.60363   | 3               |
| egrees  | Minutes              |                   | Seconds                |                  | Degree                         | es                             |            | Minutes        |             | Seconds         |
| 29  |                      | 38                | 28.5                   |                  |                                | -98                            |            | 36             |             | 13.1            |
| 9. Primary SIC Code                           | C Code               |                   | Primary<br>6 digits    | y NAICS Co<br>s) | ode                            | <b>32. Seco</b><br>(5 or 6 dig | ndary NAIO | CS Code        |             |                 |
| 521   | 161                  | 1                 |                        | 2361             | 15                             |                                |            | 237310         |             |                 |
| 3. What is the Primary                        | Business of t        | his entity? (!    | Do not repeat the SIC  | or NAICS         | 6 descri <sub>l</sub>          | otion.)                        |            | ı              |             |                 |
| ingle-family Residential Dev                  | velopment            |                   |                        |                  |                                |                                |            |                |             |                 |
| 4 Mailine                                     | 6002 Cam             | o Bullis          |                        |                  |                                |                                |            |                |             |                 |
| 4. Mailing                                    | Suite 201            |                   |                        |                  |                                |                                |            |                |             |                 |

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ΤX

State

37. Extension or Code

ZIP

78257

( ) -

**38. Fax Number** (if applicable)

**ZIP + 4** 

9766

Address:

35. E-Mail Address:

( 210 ) 698-3004

36. Telephone Number

City

San Antonio

rpuri@athenadomain.com

|                   |                     | nbers Check all Progra<br>uctions for additional ខ្ |                                       | s/registration | nur                     | nbers that will be a | fected by | the updates submitted on this                               |  |
|-------------------|---------------------|---|---------------------------------------|----------------|-------------------------|----------------------|-----------|---|--|
| ☐ Dam Safety      | /                   | Districts   | ⊠ Edwards Aquifer                     |                | Emissions Inventory Air |                      | Air       | ☐ Industrial Hazardous Waste                                |  |
|                   |                     |   |                                       | · v            |                         |                      |           |   |  |
| Municipal :       | Solid Waste         | New Source<br>Review Air                            | OSSF                                  |                |                         | Petroleum Storage    | Tank      | PWS   |  |
|                   |                     |   |                                       |                |                         |                      |           |   |  |
| Sludge            |                     | Storm Water   | ☐ Title V Air                         |                |                         | Tires                |           | Used Oil  |  |
| ☐ Voluntary       | Cleanup             | ☐ Wastewater  | ☐ Wastewater Agricu                   | lture          |                         | Water Rights         |           | Other:  |  |
|                   |                     |   |                                       |                |                         |                      |           |   |  |
| SECTIO            | N TV: Dr            | eparer Inf  | formation                             |                |                         |                      |           |   |  |
|                   |                     |   | <u> </u>                              | 41. Title:     | П                       | Project Manager      |           |   |  |
| 40. Name:         | Erin Katzfey, P.I   |   |                                       | 41. Title:     | 41. Title.              |                      |           |   |  |
| 42. Telephone     | Number              | 43. Ext./Code                                       | ode 44. Fax Number 45. E-Mail Address |                |                         |                      |           |   |  |
| (210)375-900      | 0                   |   | ( 210 ) 375-9000 ekatzfe              |                |                         | y@pape-dawson.com    |           |   |  |
| 16. By my signati | ure below, I certif |   |                                       |                |                         |                      |           | and that I have signature authority<br>ntified in field 39. |  |
| Company:          | Pape-Dav            | wson Consulting Engine                              | eers, LLC Job Titl                    |                |                         | Vice President       |           |   |  |
| Name (In Print    | ): Andrew I         | Belton, P.E.  | 150                                   |                |                         |                      | ne:       | (210)375-9000   |  |
| Signature:        |                     |   | muy t                                 | -              | <del></del>             |                      | e:        | 7 10/25   |  |
|                   |                     |   |                                       |                |                         |                      |           |   |  |

# **EXHIBITS**

. WRITTEN CONSTRUCTION NOTIFICATION SHOULD BE PROVIDED APPROPRIATE TCEQ REGIONAL OFFICE NO LATER THAN 48 HOURS PRIOR TO COMMENCEMENT OF THE REGULATED ACTIVITY. INFORMATION SHOULD INCLUDE THE DATE ON WHICH THE REGULATED ACTIVITY WILL COMMENCE. THE NAME OF THE APPROVED PLAN FOR THE REGULATED ACTIVITY, AND THE NAME OF THE PRIME CONTRACTOR WITH THE NAME AND TELEPHONE NUMBER OF THE CONTACT PERSON.

2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES. THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ON-SITE.

3. NO TEMPORARY ABOVEGROUND HYDROCARBON AND HAZARDOUS SUBSTANCE STORAGE TANK SYSTEM MAY BE INSTALLED WITHIN 150 FEET OF A DOMESTIC, INDUSTRIAL, IRRIGATION, OR PUBLIC WATER SUPPLY

4. PRIOR TO COMMENCING CONSTRUCTION, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICES. CONTROLS SPECIFIED IN THE SWPPP SECTION OF THE APPROVED EDWARDS AQUIFER CONTRIBUTING ZONE PLAN ARE REQUIRED DURING CONSTRUCTION. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THE CONTROLS MUST REMAIN IN PLACE UNTIL DISTURBED AREAS ARE REVEGETATED AND THE AREAS HAVE BECOME PERMANENTLY STABILIZED.

5. 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 STRÈAMS OR SENSITIVE FEATURES BY THE NEXT RAIN).

6. SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS OR SEDIMENTATION PONDS NOT LATER THAN WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%. A PERMANENT STAKE MUST BE PROVIDED THAT CAN INDICATE WHEN THE SEDIMENT OCCUPIES 50% OF THE BASIN

7. 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).

8. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE AND STORED ON-SITE MUST HAVE PROPER E&S CONTROLS

9. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND CONSTRUCTION ACTIVITIES WILL NOT RESUME WITHIN 21 DAYS. WHEN THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY IS PRECLUDED BY WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.

10. THE FOLLOWING RECORDS SHOULD BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR: THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

11. THE HOLDER OF ANY APPROVED CONTRIBUTING ZONE PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:

- A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY BEST MANAGEMENT PRACTICES OR STRUCTURE(S), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;
- ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED;
- ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE EDWARDS AQUIFER AND HYDROLOGICALLY CONNECTED SURFACE WATER; OR
- D. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED IN A CONTRIBUTING ZONE PLAN AS UNDEVELOPED.

SAN ANTONIO REGIONAL OFFICE 14250 JUDSON ROAD SAN ANTONIO, TEXAS 78233-4480 PHONE (210) 490-3096 FAX (210) 545-4329

## **TEMPORARY POLLUTION ABATEMENT NOTES**

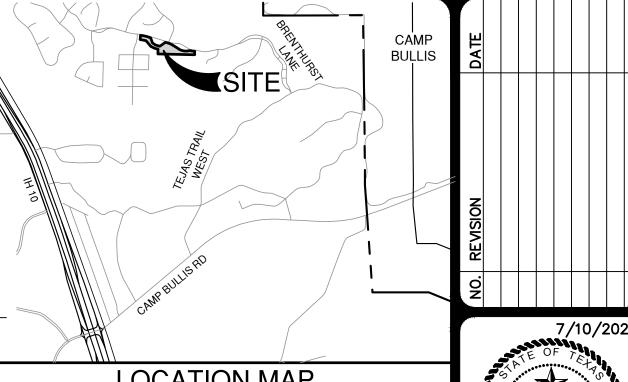
CONSTRUCTION OF CIVIL INFRASTRUCTURE AND DRAINAGE STRUCTURES MAY PRECEDE HOME CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PLACING SILT FENCE ALONG THE DOWN GRADIENT SIDE OF THE DISTURBED AREA PERPENDICULAR TO THE DRAINAGE FLOW.

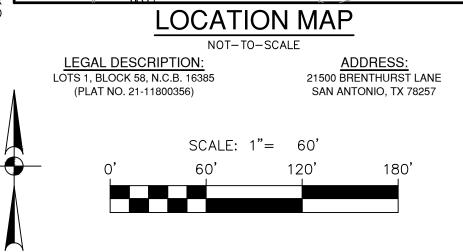
ROCK BERMS SHALL BE PLACED IN AREAS WHERE DRAINAGE FLOW IS CONCENTRATED DUE TO NATURAL CONDITIONS OR CONSTRUCTION ACTIVITIES SUCH AS AT DRAINAGE STRUCTURES. THESE BERMS WILL BE MAINTAINED UNTIL THEY ARE NO LONGER NEEDED OR UNTIL THEY ARE REPLACED WITH PERMANENT POLLUTION ABATEMENT MEASURES.

3. THIS PROJECT DOES NOT INCLUDE THE INSTALLATION OF ABOVE GROUND STORAGE TANKS (AST) WITH VOLUME(S) GREATER THAN OR EQUAL TO 500

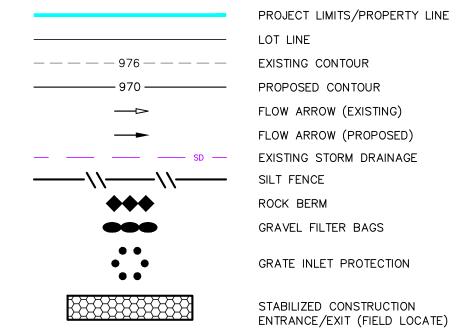
4. DRAINAGE PATTERNS ARE ILLUSTRATED BY FLOW ARROWS. SLOPES VARY THROUGHOUT THE SITE; TYPICAL SLOPES IN THIS PROJECT WILL RANGE FROM

THE NATURE OF CONSTRUCTION IS SUCH THAT IT IS DIFFICULT TO PREDICT AREAS THAT WILL BE DISTURBED AND RE-VEGETATED. THE CONSTRUCTION PLANS INCLUDE A NOTE ON **EXHIBIT 3** WHICH WILL REQUIRE THE CONTRACTOR TO RE-VEGETATE DISTURBED AREAS WITH SEEDING, HYDROMULCH, OR SOD AND SPRINKLING. ALL IMPERVIOUS COVER AREAS WILL BE DISTURBED.





## **LEGEND**



GRATE INLET PROTECTION STABILIZED CONSTRUCTION ENTRANCE/EXIT (FIELD LOCATE) CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA (FIELD LOCATE) CONCRETE TRUCK WASH-OUT PIT (FIELD LOCATE)

PROPOSED BUILDING

# **GENERAL NOTES**

1. DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC ANY MORE THAN NECESSARY FOR CONSTRUCTION.

2. LOCATIONS OF CONSTRUCTION ENTRANCE/EXITS, CONCRETE WASHOUT PITS AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARDS TO B 3. STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. AL

MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY. 4. RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS

BY USE OF ADEQUATE FENCING, IF NECESSARY. 5. ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.

6. CONTRACTOR, TO THE EXTENT PRACTICAL, SHALL MINIMIZE THE AMOUNT OF AREA DISTURBED. AS SOON AS PRACTICAL, ALL DISTURBED SOIL THA WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PEI APPLICABLE PROJECT SPECIFICATIONS.

7. BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCID WITH THE DISTURBANCE OF UPGRADIENT AREAS.

8. BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE

10. MUD OR DIRT INADVERTENTLY TRACKED OFF-SITE AND ONTO EXISTIN

WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED. 9. ALL TEMPORARY BMPs WILL BE REMOVED ONCE WATERSHED IS STABILIZED

STREETS SHALL BE REMOVED IMMEDIATELY BY HAND OR MECHANICAL BROOM 11. TEMPORARY BMPs SHOWN ON THIS SHEET ARE FOR GRAPHICAL PURPOSES

12. UPON COMPLETION OF THE PROJECT AND BEFORE FINAL PAYMENT

AND MAY NOT BE TO SCALE. BMPs SHALL BE LOCATED WITHIN THE PROJECT

ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES. 13. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SEQUENCING

AND REMOVAL OF TEMPORARY POLLUTION ABATEMENT MEASURES THA CONFLICT WITH SITE IMPROVEMENTS SUCH AS LANDSCAPING AND FENCES SO

AS TO PREVENT SEDIMENT FROM ESCAPING THE PROJECT SITE. 14. CPS ENERGY WILL FUNCTION AS A SECONDARY OPERATOR ON TH PROJECT AND BE INSTALLING ELECTRIC UTILITIES FOR ON-SITE CONSTRUCTION

AND OFF-SITE FEED TO THE PROJECT. THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE POLLUTION ABATEMENT

SIZING AND TREATMENT REQUIREMENTS OF THE TEXAS COMMISSION ON

ENVIRONMENTAL QUALITY'S EDWARDS AQUIFER TECHNICAL GUIDANCE MANUA THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF POLLUTION ABATEMENT ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

**ABATEMENT EMPORARY** 

.at no. <u>21-1180035</u>

HECKED EK DRAWN AA

ESIGNER

7735-34

June 2025

C8.00

ANDREW J. BELTON

SIGNATURE

TEMPORARY BMP MODIFICATIONS

5 DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE® UNLESS OTHERWISE NOTED. Imagery © 2016,CAPCOG,Digital Globe,Texas Orthoimagery Program, USDA Farm Service Agency.

TOTAL PROJECT LIMITS

## SCHEMATIC OF TEMPORARY CONSTRUCTION ENTRANCE/EXIT

## **MATERIALS**

THE AGGREGATE SHOULD CONSIST OF 4-INCH TO 8-INCH WASHED STONE OVER A STABLE FOUNDATION AS SPECIFIED IN THE PLAN. 2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF

3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIFICALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROXIMATE WEIGHT OF 6 OZ/YD2, A MULLEN BURST RATING OF 140 LB/IN2, AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.

4. IF A WASHING FACILITY IS REQUIRED, A LEVEL AREA WITH A MINIMUM OF 4-INCH DIAMETER WASHED STONE OR COMMERCIAL ROCK SHOULD BE INCLUDED IN THE PLANS. DIVERT WASTEWATER TO A SEDIMENT TRAP OF

## INSTALLATION

DRAINAGE.

AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.

2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER.

3. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG THE SLOPE TOWARD THE ROAD EXCEEDS 2%. CONSTRUCT A RIDGE 6-INCHES TO 8-INCHES HIGH WITH 3:1 (H:V) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.

5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.

6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE

1. SOD SHOULD BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4" INCH

3. STANDARD SIZE SECTIONS OF SOD SHOULD BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN

4. SOD SHOULD BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD

PRIOR TO SOIL PREPARATION, AREAS TO BE SODDED SHOULD BE BROUGHT

THE SURFACE SHOULD BE CLEARED OF ALL TRASH, DEBRIS AND OF ALL

FERTIRLIZE ACCORDING TO SOIL TESTS. FERTILIZER NEEDS CAN BE

DETERMINED BY A SOIL TESTING LABORATORY OR REGIONAL RECOMMENDATIONS

CAN BE MADE BY COUNTY AGRICULTURAL EXTENSION AGENTS. FERTILIZER

SHOULD BE WORKED INTO THE SOIL TO A DEPTH OF 3 INCHES WITH A DISC,

FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE CONTOUR.

SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. ON SLOPING LAND, THE

SOD STRIPS IN WATERWAYS SHOULD BE LAID PERPENDICULAR TO THE

AFTER ROLLING OR TAMPING, SOD SHOULD BE PEGGED OR STAPLED TO

RESIST WASHOUT DURING THE ESTABLISHMENT PERIOD. MESH OR OTHER

NETTING MAY BE PEGGED OVER THE SOD FOR EXTRA PROTECTION IN CRITICAL

DIRECTION OF FLOW. CARE SHOULD BE TAKEN TO BUTT ENDS OF STRIPS

7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

## 8. INSTALL PIPE UNDER PAD AS NEEDED TO MAINTAIN PROPER PUBLIC ROAD STABILIZED CONSTRUCTION ENTRANCE/EXIT DETAIL

NOT-TO-SCALE

LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

SURFACE SMOOTH AND SLOPE FOR DRAINAGE.

 ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

DIRECTION OF FLOW

**MATERIALS** 

OF 36 HOURS.

SHOOT GROWTH AND THATCH.

SITE PREPARATION

TIGHTLY (SEE FIGURE ABOVE).

TORN OR UNEVEN PADS SHOULD NOT BE ACCEPTABLE.

SUSPENDED FROM A FIRM GRASP ON ONE END OF THE SECTION.

TO FINAL GRADE IN ACCORDANCE WITH THE APPROVED PLAN.

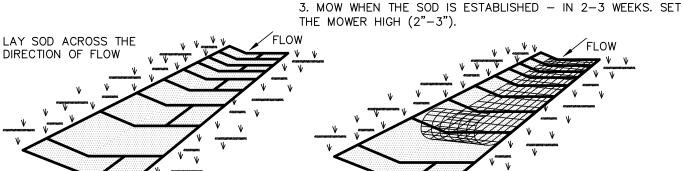
INSTALLATION IN CHANNELS

INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.



1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.

2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.



IN CRITICAL AREAS, SECURE SOD WITH NETTING, USE STAPLES.

# GENERAL INSTALLATION (VA. DEPT. OF

REDUCE ROOT BURNING AND DIEBACK.

(SEE FIGURE ABOVE).

(± 1/4" INCH) AT THE TIME OF CUTTING. THIS THICKNESS SHOULD EXCLUDE SOD SHOULD NOT BE CUT OR LAID IN EXCESSIVELY WET OR DRY WEATHER. SOD ALSO SHOULD NOT BE LAID ON SOIL SURFACES THAT ARE FROZEN. 2. PIECES OF SOD SHOULD BE CUT TO THE SUPPLIER'S STANDARD WIDTH AND 2. DURING PERIODS OF HIGH TEMPERATURE, THE SOIL SHOULD BE LIGHTLY LENGTH, WITH A MAXIMUM ALLOWABLE DEVIATION IN ANY DIMENSION OF 5%. IRRIGATED IMMEDIATELY PRIOR TO LAYING THE SOD, TO COOL THE SOIL AND

> FIRST ROW OF SOD SHOULD BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH OTHER. LATERAL JOINTS SHOULD BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. CARE SHOULD BE EXCERCISED TO ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS

WITH THE GROUND.

4. ON SLOPES 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM, SOD SHOULD BE LAID WITH STAGGERED JOINTS AND SECURED BY STAPLING OF OTHER APPROVED METHODS. SOD SHOULD BE INSTALLED WITH THE LENGTH PERPENDICULAR TO THE SLOPE (ON CONTOUR).

5. AS SODDING OF CLEARLY DEFINED AREAS IS COMPLETED, SOD SHOULD B ROOTS, BRUSH, WIRE, GRADE STAKES AND OTHER OBJECTS THAT WOULD ROLLED OR TAMPED TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL. AFTER ROLLING, SOD SHOULD BE IRRIGATED TO A DEPTH SUFFICIENT THAT THE UNDERSIDE OF THE SOD PAD AND THE SOIL 4 INCHES BELOW THE SOD IS

UNTIL SUCH TIME A GOOD ROOT SYSTEM BECOMES DEVELOPED, IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHOULD BE PERFORMED AS OFTEN AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF AT LEAST

8. THE FIRST MOWING SHOULD NOT BE ATTEMPTED UNTIL THE SOD IS FIRMLY ROOTED, USUALLY 2-3 WEEKS. NOT MORE THAN ONE THIRD OF THE GRASS LEAF SHOULD BE REMOVED AT ANY ONE CUTTING.

#### NSPECTION AND MAINTENANCE GUIDELINES SOD SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAIN EVENT LOCATE AND REPAIR ANY DAMAGE.

. DAMAGE FROM STORMS OR NORMAL CONSTRUCTION ACTIVITIES SUCH AS TIRE RUTS OR DISTURBANCE OF SWALE STABILIZATION SHOULD BE REPAIRED AS SOON AS PRACTICAL.

# SOD INSTALLATION DETAIL

ISOMETRIC PLAN VIEW

SHEATHING

## **ROCK BERMS**

STABILIZE FOUNDATION

SECTION "A-A" OF A

CONSTRUCTION ENTRANCE/EXIT

2. STONE TOO SMALL OR GEOTEXTILE FABRIC ABSENT, RESULTS IN MUDDY

PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC-EXTEND PAD BEYOND

4. PAD NOT FLARED SUFFICIENTLY AT ROAD SURFACE, RESULTS IN MUD BEING

5. UNSTABLE FOUNDATION - USE GEOTEXTILE FABRIC UNDER PAD AND/OR

. 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

2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC

3. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT

4. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED

WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR

5. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN,

CORRECT

**INCORRECT** 

SOD INSTALLATION

USE PEGS OR STAPLES TO FASTEN SOD

FIRMLY - AT THE ENDS OF STRIPS AND

IN THE CENTER, OR EVERY 3-4 FEET IF

THE STRIPS ARE LONG. WHEN READY TO

MOW, DRIVE PEGS OR STAPLES FLUSH

RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.

INSPECTION AND MAINTENANCE GUIDELINES

1. INADEQUATE RUNOFF CONTROL-SEDIMENT WASHES ONTO PUBLIC ROAD.

COMMON TROUBLE POINTS

THE MINIMUM 50-FOOT LENGTH AS NECESSARY.

TRACKED ON TO ROAD AND POSSIBLE DAMAGE TO ROAD.

PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

DITCH OR WATER COURSE BY USING APPROVED METHODS.

CONDITION AS STONE IS PRESSED INTO SOIL.

IMPROVE FOUNDATION DRAINAGE.

USED TO TRAP SEDIMENT

SEDIMENT BASIN.

<u>SHOOTS</u> OR GRASS BLADES. GRASS SHOULD BE GREEN AND

CUTTING HEIGHT.

HEALTHY; MOWED AT A 2"-3"

-THATCH- GRASS CLIPPINGS AND

ROOT ZONE- SOIL AND ROOTS.

DEAD LEAVES, UP TO 1/2" THICK.

SHOULD BE 1/2"-3/4" THICK, WITH

DENSE ROOT MAT FOR STRENGTH.

THE PURPOSE OF A ROCK BERM IS TO SERVE AS A CHECK DAM IN AREAS OF CONCENTRATED FLOW, TO INTERCEPT SEDIMENT-LADEN RUNOFF, DETAIN THE SEDIMENT AND RELEASE THE WATER IN SHEET FLOW. THE ROCK BERM SHOULD BE USED WHEN THE CONTRIBUTING DRAINAGE AREA IS LESS THAN 5 ACRES. ROCK BERMS ARE USED IN AREAS WHERE THE VOLUME OF RUNOFF IS TOO GREAT FOR A SILT FENCE TO CONTAIN. THEY ARE LESS EFFECTIVE FOR SEDIMENT REMOVAL THAN SILT FENCES, PARTICULARLY FOR FINE PARTICLES, BUT ARE ABLE TO WITHSTAND HIGHER FLOWS THAN A SILT FENCE. AS SUCH, ROCK BERMS ARE OFTEN USED IN AREAS OF CHANNEL FLOWS (DITCHES, GULLIES, ETC.). ROCK BERMS ARE MOST EFFECTIVE AT REDUCING BED LOAD IN CHANNELS AND SHOULD NOT BE SUBSTITUTED FOR OTHER EROSION AND SEDIMENT CONTROL MEASURES FARTHER UP THE WATERSHED.

# INSPECTION AND MAINTENANCE GUIDELINES

. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STREAMBEDS. ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE.

. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED MANNER THAT WILL NOT CAUSE ANY ADDITIONAL SILTATION.

3. REPAIR ANY LOOSE WIRE SHEATHING.

4. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION

5. THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.

6. THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.

# WOVEN WIRE SHEATHING

### **SECTION "A-A"**

#### **MATERIALS**

SHEATHING HAVING MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE DIAMETER OF 20 GAUGE GALVANIZED AND SHOULD BE SECURED WITH SHOAT

THE BERM STRUCTURE SHOULD BE SECURED WITH A WOVEN WIRE

2. CLEAN, OPEN GRADED 3-INCH TO 5-INCH DIAMETER ROCK SHOULD BE USED, EXCEPT IN AREAS WHERE HIGH VELOCITIES OR LARGE VOLUMES OF FLOW ARE EXPECTED, WHERE 5-INCH TO 8-INCH DIAMETER ROCKS MAY BE

# INSTALLATION

1. LAY OUT THE WOVEN WIRE SHEATHING PERPENDICULAR TO THE FLOW LINE. THE SHEATHING SHOULD BE 20 GAUGE WOVEN WIRE MESH WITH 1 INCH

2. BERM SHOULD HAVE A TOP WIDTH OF 2 FEET MINIMUM WITH SIDE SLOPES BEING 2:1 (H: V) OR FLATTER. 3. PLACE THE ROCK ALONG THE SHEATHING AS SHOWN IN THE DIAGRAM TO

A HEIGHT NOT LESS THAN 18". 4. WRAP THE WIRE SHEATHING AROUND THE ROCK AND SECURE WITH TIE WIRE SO THAT THE ENDS OF THE SHEATHING OVERLAP AT LEAST 2 INCHES, AND THE BERM RETAINS ITS SHAPE WHEN WALKED UPON.

5. BERM SHOULD BE BUILT ALONG THE CONTOUR AT ZERO PERCENT GRADE OR AS NEAR AS POSSIBLE. 6. THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4

## COMMON TROUBLE POINTS

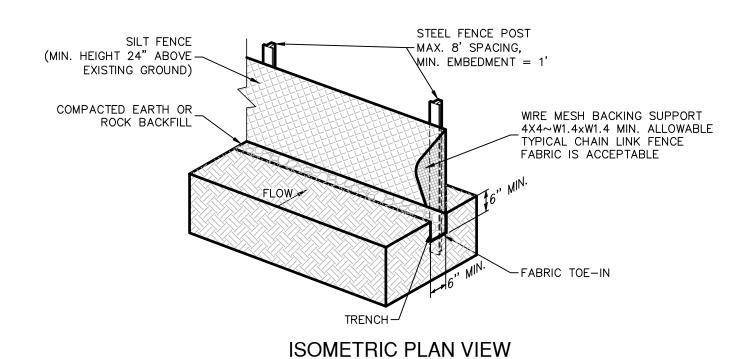
INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.

. INSUFFICIENT BERM HEIGHT OR LENGTH (RUNOFF QUICKLY ESCAPES OVER THE TOP OR AROUND THE SIDES OF BERM).

2. BERM NOT INSTALLED PERPENDICULAR TO FLOW LINE (RUNOFF ESCAPING AROUND ONE SIDE).

## **ROCK BERM DETAIL**

NOT-TO-SCALE



## SILT FENCE

A SILT FENCE IS A BARRIER CONSISTING OF GEOTEXTILE FABRIC SUPPORTED BY METAL POSTS TO PREVENT SOIL AND SEDIMENT LOSS FROM A SITE. WHEN PROPERLY USED, SILT FENCES CAN BE HIGHLY EFFECTIVE AT CONTROLLING SEDIMENT FROM DISTURBED AREAS. THEY CAUSE RUNOFF TO POND, ALLOWING HEAVIER SOLIDS TO SETTLE OUT. IF NOT PROPERLY INSTALLED, SILT FENCES ARE NOT LIKELY TO BE EFFECTIVE.

THE PURPOSE OF A SILT FENCE IS TO INTERCEPT AND DETAIN WATER-BORN SEDIMENT FROM UNPROTECTED AREAS OF A LIMITED EXTENT. SILT FENCE IS USED DURING THE PERIOD OF CONSTRUCTION NEAR THE PERIMETER OF A DISTURBED AREA TO INTERCEPT SEDIMENT WHILE ALLOWING WATER TO PERCOLATE THROUGH. THIS FENCE SHOULD REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SILT FENCE SHOULD NOT BE USED WHERE THERE IS A CONCENTRATION OF WATER IN A CHANNEL OF DRAINAGE WAY. IF CONCENTRATED FLOW OCCURS AFTER INSTALLATION, CORRECTIVE ACTION MUST BE TAKEN SUCH AS PLACING A ROCK BERM IN THE AREAS OF CONCENTRATED FLOW.

SILT FENCING WITHIN THE SITE MAY BE TEMPORARILY MOVED DURING THE DAY TO ALLOW CONSTRUCTION ACTIVITY PROVIDED IT IS REPLACED AND PROPERLY ANCHORED TO THE GROUND AT THE END OF THE DAY. SILT FENCES ON THE PERIMETER OF THE SITE OR AROUND DRAINAGE WAYS SHOULD NOT BE MOVED AT ANY TIME.

SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE, OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN2, ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NUMBER 30.

FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR Y-BAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM WEIGHT 1.25 LB/FT, AND BRINDELL HARDNESS

3. WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2" X 4" WELDED WIRE, 12 GAUGE MINIMUM.

1. STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POSTS MUST BE EMBEDDED A MINIMUM OF 1-FOOT DEEP AND SPACED NOT MORE THAN 8 FEET ON CENTER. WHERE WATER CONCENTRATES, THE MAXIMUM SPACING SHOULD BE 6 FEET.

. LAY OUT FENCING DOWN-SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS 1/4 ACRE/100 FEET OF FENCE.

3. THE TOE OF THE SILT FENCE SHOULD BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN-SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROP), WEIGHT FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.

TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL. 5. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE

4. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE

POST. THERE SHOULD BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET 6. SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY

#### COMMON TROUBLE POINTS FENCE NOT INSTALLED ALONG THE CONTOUR CAUSING WATER TO CONCENTRATE AND FLOW OVER THE FENCE.

STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

2. FABRIC NOT SEATED SECURELY TO GROUND (RUNOFF PASSING UNDER FENCE). 3. FENCE NOT INSTALLED PERPENDICULAR TO FLOW LINE (RUNOFF ESCAPING

4. FENCE TREATING TOO LARGE AN AREA, OR EXCESSIVE CHANNEL FLOW (RUNOFF OVERTOPS OR COLLAPSES FENCE).

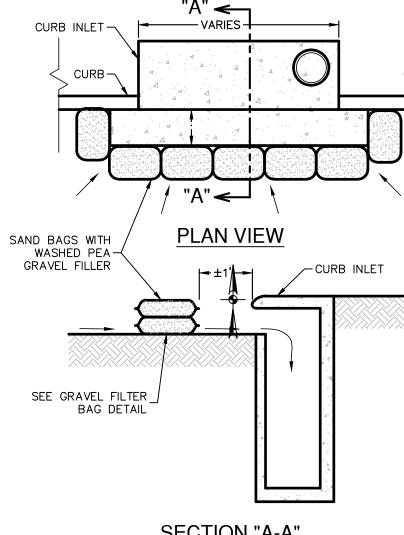
#### INSPECTION AND MAINTENANCE GUIDELINES 1. INSPECT ALL FENCING WEEKLY, AND AFTER RAINFALL

2. REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.

3. REPLACE TORN FABRIC OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE TORN SECTION.

4. REPLACE OR REPAIR 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.

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 "A-A"

## **GENERAL NOTES**

RUNOFF FROM FLOWING BETWEENT HE BAGS.

1. THE SANDBAGS SHOULD BE FILLED WITH WASH PEA GRAVEL AND STACKED TO FORM A CONTINUOUS BARRIER ABOUT 1-FOOT HIGH AROUND INLETS. 2. THE BAGS SHOULD BE TIGHTLY ABUTTED AGAINST EACH OTHER TO PREVENT

## 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.

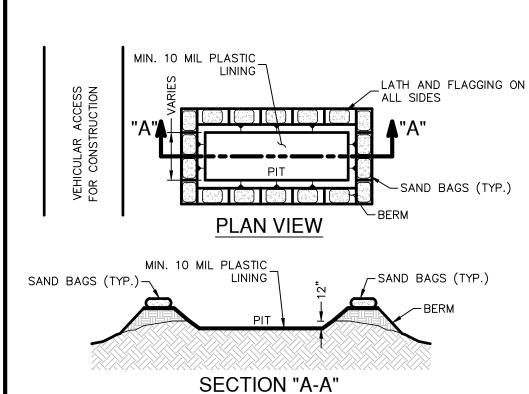
REMOVED SEDIMENT SHOULD BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE. 3. CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE AND

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.

# **BAGGED GRAVEL CURB INLET**

PROTECTION DETAIL NOT-TO-SCALE



# **GENERAL NOTES**

DETAIL ABOVE ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE INCREASED IN SIZE DEPENDING ON EXPECTED FREQUENCY OF USE. WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC.

WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF. LOCATE WASHOUT AREA AT LEAST 50 FEET FROM SENSITIVE FEATURES, STORM DRAINS, OPEN DITCHES OR WATER BODIES. TEMPORARY CONCRETE WASHOUT FACILITY SHOULD BE CONSTRUCTED WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.

# **MATERIALS**

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.

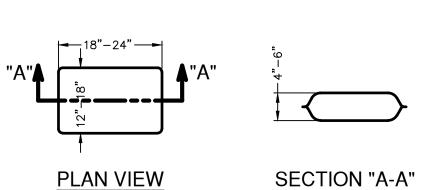
. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHOULD BE REMOVED AND DISPOSED

2. 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 DISTURBANCES CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.

## CONCRETE TRUCK WASHOUT PIT DETAIL

NOT-TO-SCALE



THE FILTER BAG MATERIAL SHALL BE MADE OF POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN FABRIC, MIN. UNIT WEIGHT OF 4 OUNCES/SY, HAVE A MULLEN BURST STRENGTH EXCEEDING 300 PSI AND ULTRAVIOLET STABILITY EXCEEDING 70%.

THE FILTER BAG SHALL BE FILLED WITH CLEAN, MEDIUM WASHED PEA GRAVEL TO COARSE GRAVEL (0.31 TO 0.75 INCH DIAMETER). SAND SHALL NOT BE USED TO FILL THE FILTER BAGS.

## GRAVEL FILTER BAG DETAIL

NOT-TO-SCALE

CONSTRUCTIO FOUIPMENT & VEHICLE STORAGE A MAINTENANC AREA OFFICE CONSTRUCTION AND WASTE **LEGEND** MATERIA -\\--\\- SILT FENCE STORAGE AREA FLOW ARROWS

# CONSTRUCTION STAGING AREA

NOT-TO-SCALE

SILT FENCE DETAIL NOT-TO-SCALE

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE POLLUTION ABATEMENT SIZING AND TREATMENT REQUIREMENTS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY'S EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL.

HIS SHEET HAS BEEN PREPARED FOR PURPOSES OF POLLUTION ABATEMENT ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

**EXHIBIT** 

7735-34 June 2025 ESIGNER IECKED EK DRAWN AA

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