# CONTRIBUTING ZONE PLAN MODIFICATION FOR CISD BILL BROWN ELEMENTARY SCHOOL

**PREPARED FOR:** 





DATE: AUGUST 2023

**PREPARED BY:** 



12770 Cimarron Path, Ste 100 San Antonio, TX 78249 TBPE Firm #5297, TBPLS Firm #10131500 Phone 210-698-5051 – Fax 210-698-5085

### CISD BILL BROWN ELEMENTARY SCHOOL CONTRIBUTING ZONE PLAN MODIFICATION

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#### **Our Review of Your Application**

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

#### **Administrative Review**

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

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

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

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

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

#### **Technical Review**

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

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

### **Mid-Review Modifications**

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

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

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

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

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

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

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

| 1. Regulated Entity Name: CISD BILL BROWN<br>ELEMENTARY SCHOOL |             |                          |                            | 2. Regulated Entity No.: 106455629 |                         |                                     |                               |
|--|-------------|--------------------------|----------------------------|------------------------------------|-------------------------|-------------------------------------|-------------------------------|
| 3. Customer Name: Comal ISD                                    |             |                          | 4. Customer No.: 600249825 |                                    |                         | 9825                                |                               |
| 5. Project Type:<br>(Please circle/check one)                  | New 🤇       | Modification Ext         |                            | Exter                              | Extension 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)                      | Residential | Non-resider              | Non-residential 8. Sit     |                                    | 8. Sit                  | e (acres):                          | 17.256                        |
| 9. Application Fee:  | \$6,500     | 10. Perma                | 10. Permanent BMP(s):      |                                    | s):                     | Engineered Vegetative Filter Strips |                               |
| 11. SCS (Linear Ft.):  | N/A         | 12. AST/UST (No. Tanks): |                            |                                    | nks):                   | N/A                                 |                               |
| 13. County:  | Comal       | 14. Watershed:           |                            |                                    | Headwaters Cibolo Creek |                                     |                               |

# **Application Distribution**

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

http://www.tceq.texas.gov/assets/public/compliance/field\_ops/eapp/EAPP%20GWCD%20map.pdf

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

| Austin Region                           |   |   |  |  |  |
|---|---|---|--|--|--|
| County:                                 | Hays  | Travis  | Williamson   |  |  |
| Original (1 req.)                       |   | _   | _  |  |  |
| Region (1 req.)                         |   |   | _  |  |  |
| County(ies)                             |   | _   | _  |  |  |
| Groundwater Conservation<br>District(s) | Edwards Aquifer<br>Authority<br>Barton Springs/<br>Edwards Aquifer<br>Hays Trinity<br>Plum Creek    | Barton Springs/<br>Edwards Aquifer  | NA   |  |  |
| City(ies) Jurisdiction                  | Austin<br>Buda<br>Dripping Springs<br>Kyle<br>Mountain City<br>San Marcos<br>Wimberley<br>Woodcreek | Austin<br>Bee Cave<br>Pflugerville<br>Rollingwood<br>Round Rock<br>Sunset Valley<br>West Lake Hills | Austin<br>Cedar Park<br>Florence<br>Georgetown<br>Jerrell<br>Leander<br>Liberty Hill<br>Pflugerville<br>Round Rock |  |  |

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

Sean Smith, P.E.

Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent

8/3/23 Date

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

# Modification of a Previously Approved Contributing Zone Plan

### **Texas Commission on Environmental Quality**

for Regulated Activities on the Edwards Aquifer Recharge Zone and Transition Zone and Relating to 30 TAC 213.4(j), 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 **Modification of a Previously Approved Contributing Zone Plan** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Sean Smith, P.E.

Date: 08/03/2023

Signature of Customer/Agent:

**Project Information** 

 Current Regulated Entity Name: <u>CISD BILL BROWN ELEMENTARY SCHOOL</u> Original Regulated Entity Name: <u>CISD BILL BROWN ELEMENTARY SCHOOL</u> Assigned Regulated Entity Number(s) (RN): <u>106455629</u> Edwards Aquifer Protection Program ID Number(s):

The applicant has not changed and the Customer Number (CN) is: 600249825

- The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
- 2. X Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.
- 3. A modification of a previously approved plan is requested for (check all that apply):

 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;

- A change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
- Any development of land previously identified in a contributing zone plan as undeveloped.
- 4. Summary of Proposed Modifications (select plan type being modified). If the approved plan has been modified more than once, copy the appropriate table below, as necessary, and complete the information for each additional modification.

| CZP Modification         | Approved Project     | Proposed Modification |
|--------------------------|----------------------|-----------------------|
| Summary                  |                      |                       |
| Acres                    | See Attached Summary | <u>17.256</u>         |
| Type of Development      |                      | Elementary School     |
| Number of Residential    |                      | <u>0</u>              |
| Lots                     |                      |                       |
| Impervious Cover (acres) | <u>5.251</u>         | <u>7.488</u>          |
| Impervious Cover (%)     | <u>30.43</u>         | <u>43.39</u>          |
| Permanent BMPs           | <u>VFS</u>           | <u>VFS</u>            |
| Other                    |                      |                       |
| AST Modification         | Approved Project     | Proposed Modification |
| Summary                  |                      |                       |
| Number of ASTs           |                      |                       |
| Other                    |                      |                       |
| UST Modification         | Approved Project     | Proposed Modification |
| Summary                  |                      |                       |
| Number of USTs           |                      |                       |
| Other                    |                      |                       |

5. Attachment B: Narrative of Proposed Modification. A detailed narrative description of the nature of the proposed modification is attached. It discusses what was approved,

including previous modifications, and how this proposed modification will change the approved plan.

- 6. Attachment C: Current Site Plan of the Approved Project. A current site plan showing the existing site development (i.e., current site layout) at the time this application for modification is attached. A site plan detailing the changes proposed in the submitted modification is required elsewhere.
  The approved construction has not commenced. The original approval letter and approved letter and approved letters are included as Attachment A to approved by the submitted and the submitted as Attachment A to approve the submitted and the submitted approved by the submitted by the submitted approved by the submitted approved by the submitted approved by the submitted by th
  - any subsequent modification approval letters are included as Attachment A to document that the approval has not expired.
  - The approved construction has commenced and has been completed. Attachment C
     illustrates that the site was constructed as approved.
  - The approved construction has commenced and has been completed. Attachment C illustrates that the site was **not** constructed as approved.
  - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was constructed as approved.
  - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was **not** constructed as approved.
- 7. Acreage has not been added to or removed from the approved plan.
  Acreage has been added to or removed from the approved plan and is discussed in *Attachment B: Narrative of Proposed Modification*.
- 8. 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. The copies must be submitted to the appropriate regional office.

### SUMMARY OF PREVIOUS & PROPOSED MODIFICATIONS

| CZP Modification<br>Summary    | Pre-June 1, 1999  | Original CZP      | Proposed Modification |
|--------------------------------|-------------------|-------------------|-----------------------|
| Acres                          | 17.256            | 17.256            | 17.256                |
| Type of Development            | Elementary School | Elementary School | Elementary School     |
| Number of Residential Lots     | N/A               | N/A               | N/A                   |
| Total Impervious Cover (acres) | 4.720             | 5.251             | 7.488                 |
| Impervious Cover (%)           | 27.35%            | 30.43%            | 43.39%                |
| Permanent BMPs                 | N/A               | VFS               | VFS                   |
| Other                          | N/A               | N/A               | N/A                   |
| Approval Letter Date           | N/A               | May 29, 2015      | TBD                   |

Bryan W. Shaw, Ph.D., P.E., *Chairman* Toby Baker, *Commissioner* Richard A. Hyde, P.E., *Executive Director* 



### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 29, 2015

Mr. Terry Morawski Comal Independent School District 1404 IH-35 North New Braunfels, Texas 78130

### Re: Edwards Aquifer, Comal County

NAME OF PROJECT: CISD Bill Brown Elementary School; Located approximately 1,400 feet west of the intersection of U.S. Highway 281 and State Highway 46; Bulverde, Texas

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

Investigation No. 1240744; Regulated Entity No. RN106455629; Additional ID No. 13-15032501

### Dear Mr. Morawski:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the San Antonio Regional Office by Moy Tarin Ramirez Engineers, LLC on behalf of Comal Independent School District on March 25, 2015. Final review of the CZP was completed after additional material was received on May 13, 2015. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

### BACKGROUND

The Bill Brown Elementary School was constructed between 1990 and 1991 and was not regulated under the contributing zone rules. The site was constructed with an area of approximately 17.256 acres and included, an elementary school with buildings, sidewalks, parking lots driveways, and several play areas. The total impervious cover constructed was 4.28 acres (24.808 percent). Wastewater was to be disposed of by on-site sewage facilities.

Mr. Terry Morawski Page 2 May 29, 2015

### PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 17.256 acres. The project includes the construction of two pervious 60' by 60' play areas with concrete sidewalks, an expansion of the existing bus loop, and parent pick-up and drop-off lanes. The total impervious cover at the site will increase to 5.25 acres (30.43 percent). Project wastewater will now be disposed of by conveyance to the proposed Singing Hills Water Recycling Center owned by the New Braunfels Utilities.

### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, five engineered vegetative filter strips (VFS), designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)</u>, will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 871 pounds of TSS generated from the 0.97 acre increase in impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The VFSs will be at least 15 feet wide (in the direction of flow), and extend along the entire length of the bus loop, parent pick-up and drop-off lanes, with no obstructions that will concentrate flow. The VFSs will have a uniform slope of less than 20 percent, and will maintain a vegetated cover of at least 80 percent.

### SPECIAL CONDITIONS

I. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested format (Deed Recordation Affidavit, TCEQ-0625A) that you may use to deed record the approved CZP is enclosed.

### STANDARD CONDITIONS

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

Prior to Commencement of Construction:

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

### Mr. Terry Morawski Page 3 May 29, 2015

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

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

### **During Construction:**

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

### After Completion of Construction:

14. Owners of permanent BMPs and measures must insure that the BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.

Mr. Terry Morawski Page 4 May 29, 2015

- 15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Monica Reyes of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4012.

Sincerely,

Joshal

Lynn Bumguardner, Water Section Manager San Antonio Region Office Texas Commission on Environmental Quality

LB/MR/eg

- Deed Recordation Affidavit, Form TCEQ-0625A **Enclosure:** Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263
- Ms. Ana Maria E. Morales, P.E., Moy Tarin Ramirez Engineers, LLC cc: Mr. Roland Ruiz, Edwards Aquifer Authority The Honorable Bill Kraweitz, City of Bulverde Mr. Thomas H. Hornseth, P.E., Comal County Engineer TCEQ Central Records, Building F, MC212

### ATTACHMENT B

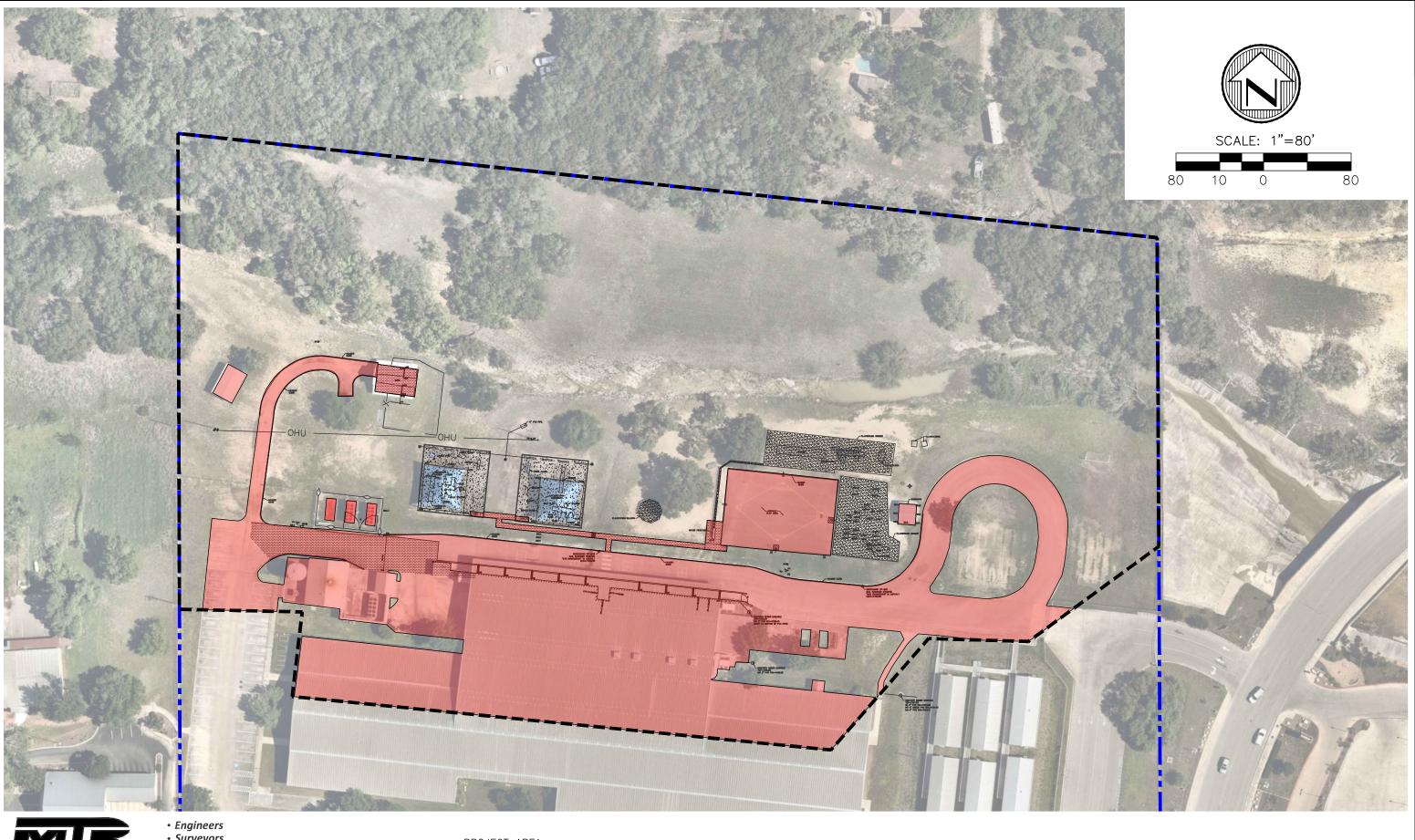
### NARRATIVE OF PROPOSED MODIFICATION

The proposed modification is for two projects. The first project will be adding a concrete drainage channel to convey upgradient stormwater across the property. This project contains an alternate plan to add additional impervious cover for parking. The drainage channel will not require any treatment as the concrete channel is providing sedimentation erosion control. However, if the alternate parking area is constructed, treatment must be provided. The concrete drainage channel is mostly contained within the property line, however a small portion of the adjacent concrete channel must be demolished and replaced to ensure matching elevations for positive drainage. The adjacent concrete channel is located within a public drainage right-of-way. The second project will be providing new playground equipment, new rubberized surface, artificial turf play areas, and associated concrete flatwork.

The impervious cover total on-site is currently 5.25 acres (more precisely 5.251), or 30.43% according to the TCEQ approval letter dated May 29, 2015. Of the existing impervious cover on-site, 4.28 acres is pre-1999 impervious cover that does not require treatment. The existing permanent BMP is engineered vegetative filter strips. The original Contributing Zone Plan for this site was approved on May 29, 2015. This proposed project will be providing an increase of approximately 2.237 acres of impervious cover, for a total of 7.488 acres of impervious cover or 43.39%. Of the 2.237 acres, 1.612 acres is a new concrete drainage channel, which will not require treatment since the channel provides sedimentation erosion control.

The alternate additional parking area is 0.131 acres and will replace 0.038 acres of untreated grandfathered impervious cover (a 0.093-acre increase). The entire additional parking area will be treated with engineered vegetative filter strips. The new synthetic turf (0.193 acres) is considered to be self-treating impervious cover due to the presence of an underdrain and liner. The playgrounds and associated concrete flatwork make up the last 0.339 acres of increased impervious cover. A portion of the new playgrounds will be treated with new engineered vegetative filter strips, while 0.163 acres of an existing asphalt play area will be treated to offset the remaining portions of playgrounds and flatwork that will not be treated.

The overall acreage of the Bill Brown Elementary School property is 17.256 acres and is located at 20410 TX-46, Spring Branch, TX 78070. The site is located in the Edwards Aquifer Contributing Zone.



 Moy Tarin Ramirez Engineers, LLC

 TBPELS ENGINEERING F-5287/SURVEYING F-10131500

 12770 CIMARRON PATH, SUITE 100

 SAN ANTONIO, TEXAS 78249

 FAX:

 (210) 698-5055

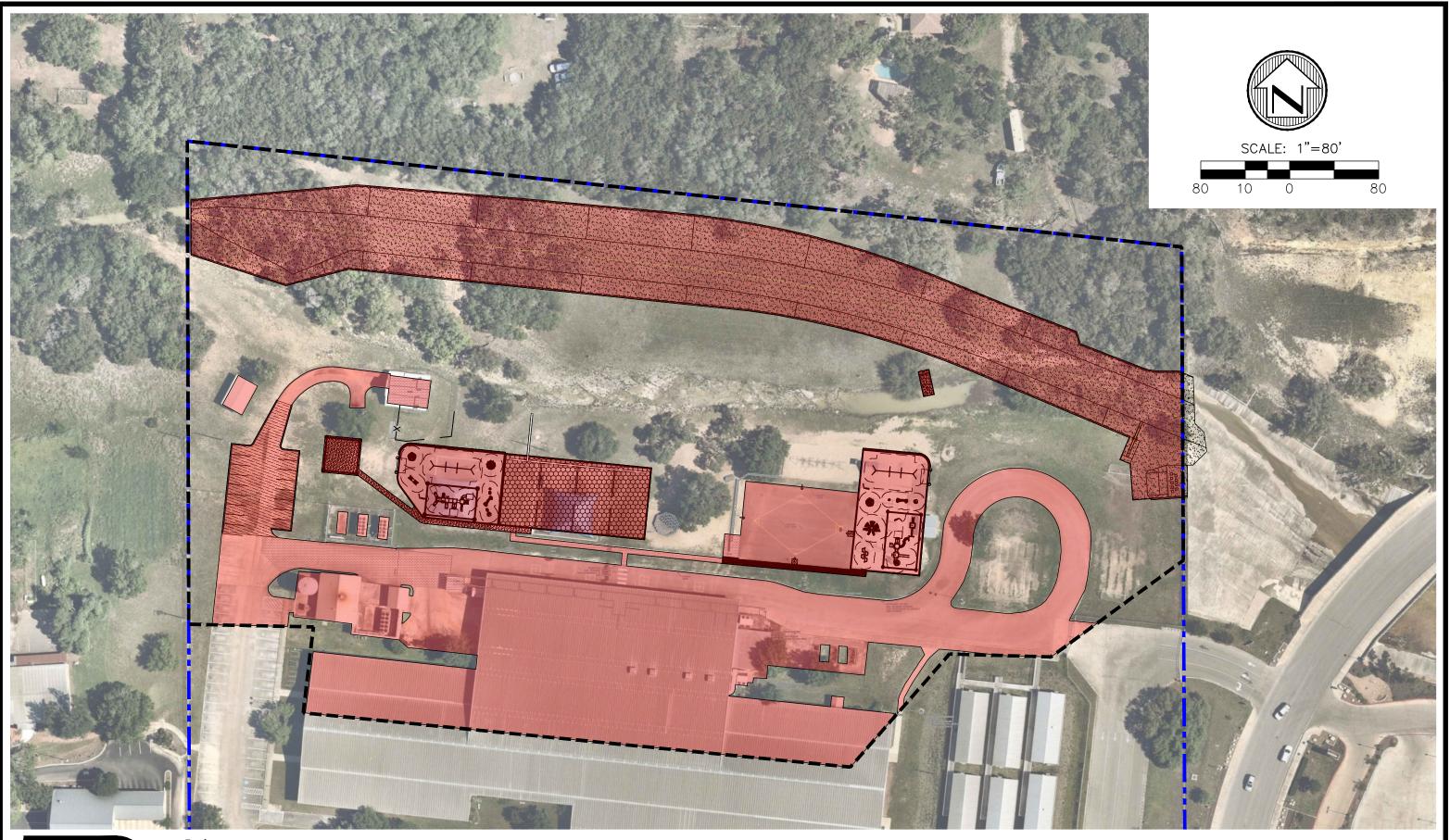
• Engineers • Surveyors • Planners

PROJECT AREA PROPERTY LINE

IMPERVIOUS COVER

TOTAL PROJECT AREA = 405,208 S.F. EXISTING IMPERVIOUS COVER = 109,981 S.F.

CISD **BILL BROWN ELEMENTARY SCHOOL EXISTING IMPERVIOUS COVER EXHIBIT** PROJ. #22288 AUGUST 2023 EXHIBIT 1





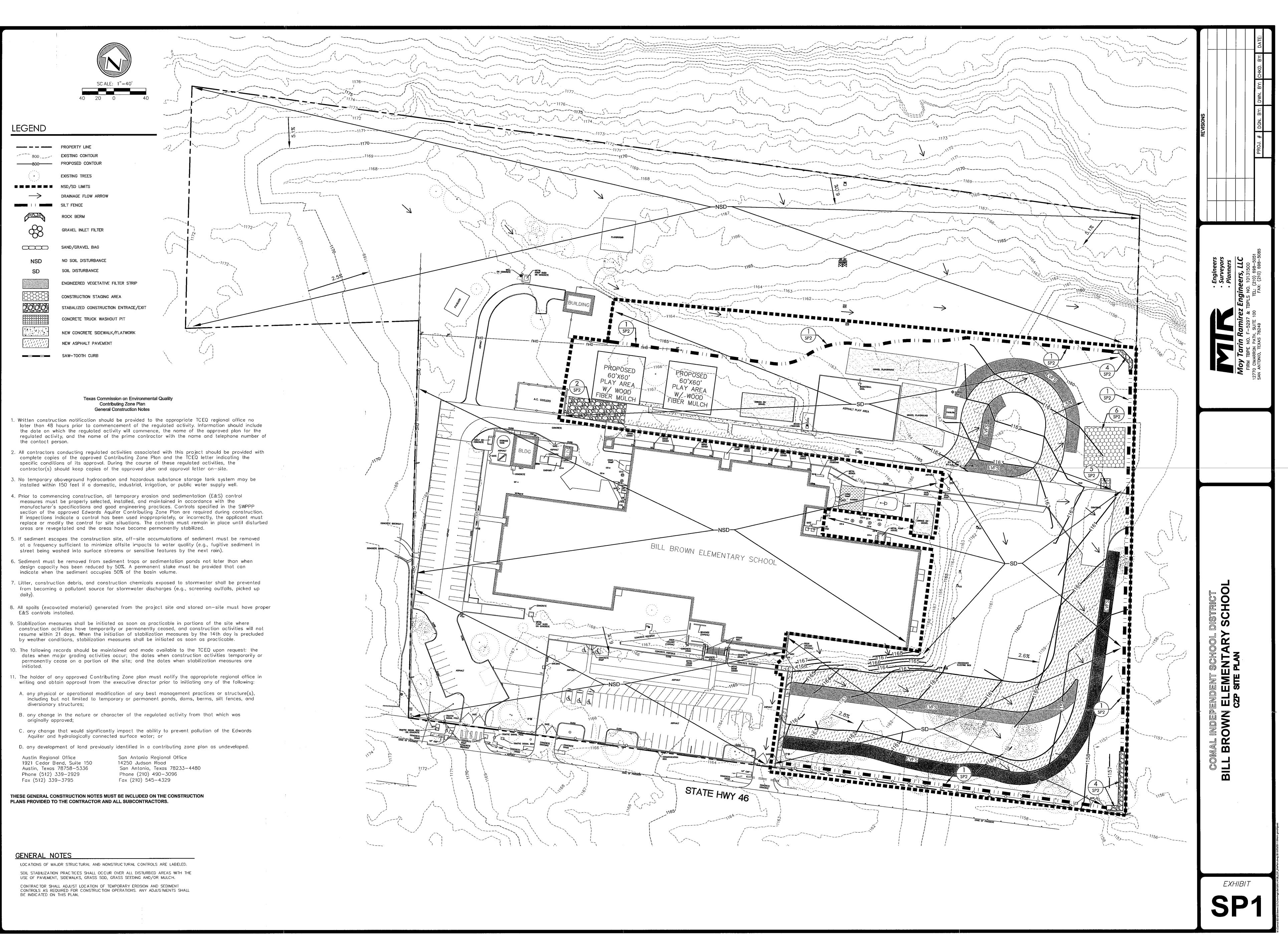


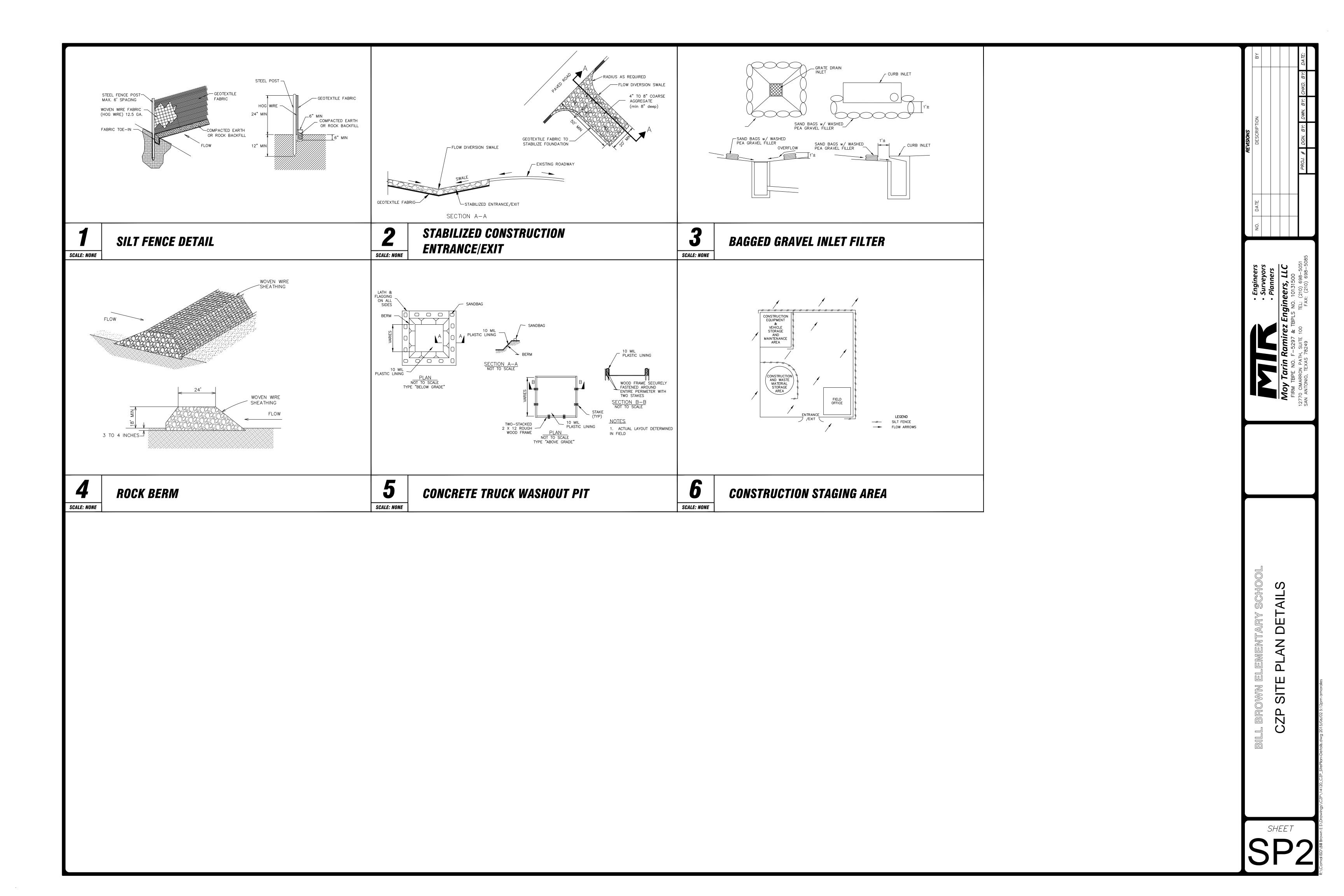
PROJECT AREA PROPERTY LINE

IMPERVIOUS COVER

TOTAL PROJECT AREA = 405,208 S.F. EXISTING IMPERVIOUS COVER = 109,981 S.F. PROPOSED IMPERVIOUS COVER = 207,408 S.F. INCREASE IN IMPERVIOUS COVER = 97,427 S.F.

CISD BILL BROWN ELEMENTARY SCHOOL PROPOSED IMPERVIOUS COVER EXHIBIT PROJ. #22228 AUGUST 2023 EXHIBIT 2





# **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: Sean Smith, P.E.

Date: 08/03/2023

Signature of Customer/Agent:

Regulated Entity Name: CISD BILL BROWN ELEMENTARY SCHOOL

# **Project Information**

- 1. County: Comal
- 2. Stream Basin: Headwaters Cibolo Creek
- 3. Groundwater Conservation District (if applicable): Comal Trinity
- 4. Customer (Applicant):

Contact Person: <u>Jeffrey Smith</u> Entity: <u>Comal Independent School District</u> Mailing Address: <u>1404 IH 35 North</u> City, State: <u>New Braunfels, TX</u> Telephone: <u>(830) 221-2000</u> Email Address: <u>jeffrey.smith@comalisd.org</u>

Zip: <u>78130-2817</u> Fax: \_\_\_\_\_

TCEQ-10257 (Rev. 02-11-15)

1 of 11

5. Agent/Representative (If any):

Contact Person: <u>Sean Smith, P.E.</u> Entity: <u>Moy Tarin Ramirez Engineers, LLC</u> Mailing Address: <u>12770 Cimarron Path #100</u> City, State: <u>San Antonio, TX</u> Telephone: <u>(210) 698-5051</u> Email Address: <u>ssmith@mtrengineers.com</u>

Zip: <u>78249</u> Fax: <u>(210) 698-5085</u>

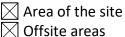
- 6. Project Location:
  - The project site is located inside the city limits of <u>Bulverde</u>.
  - The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of \_\_\_\_\_.
  - The project site is not located within any city's limits or ETJ.
- 7. The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

20410 TX-46, Spring Branch, TX 78070

- 8. Attachment A Road Map. A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.
- 9. Attachment B USGS Quadrangle Map. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) clearly show:

🔀 Project site boundaries.

- $\boxtimes$  USGS Quadrangle Name(s).
- 10. Attachment C Project Narrative. A detailed narrative description of the proposed project is attached. The project description is consistent throughout the application and contains, at a minimum, the following details:



- Uffsite areas
- Impervious cover
- Permanent BMP(s)
- Proposed site use
- Site history
- Previous development
- Area(s) to be demolished
- 11. Existing project site conditions are noted below:
  - Existing commercial site
  - Existing industrial site
  - Existing residential site

Existing paved and/or unpaved roads

Undeveloped (Cleared)

Undeveloped (Undisturbed/Not cleared)

- Other: Existing Elementary School site
- 12. The type of project is:
  - Residential: # of Lots:
  - Residential: # of Living Unit Equivalents:
  - \_\_\_\_ Commercial
  - \_\_\_ Industrial
  - Other: Elementary School
- 13. Total project area (size of site): 17.256 Acres

Total disturbed area: 5.609 Acres

- 14. Estimated projected population: 900
- 15. The amount and type of impervious cover expected after construction is complete is shown below:

| Impervious Cover of<br>Proposed Project | Sq. Ft. | Sq. Ft./Acre | Acres |
|---|---------|--------------|-------|
| Structures/Rooftops                     | 88,297  | ÷ 43,560 =   | 2.027 |
| Parking                                 | 144,509 | ÷ 43,560 =   | 3.317 |
| Other paved surfaces                    | 93,376  | ÷ 43,560 =   | 2.144 |
| Total Impervious<br>Cover               | 326,182 | ÷ 43,560 =   | 7.488 |

### Table 1 - Impervious Cover

Total Impervious Cover 7.488 ÷ Total Acreage 17.256 X 100 = 43.39% Impervious Cover

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

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

# For Road Projects Only

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

🛛 N/A

| 18. | Туре | of | project: |
|-----|------|----|----------|
|-----|------|----|----------|

TXDOT road project. County road or roads built to county specifications. City thoroughfare or roads to be dedicated to a municipality. Street or road providing access to private driveways. 19. Type of pavement or road surface to be used: Concrete Asphaltic concrete pavement Other: 20. Right of Way (R.O.W.): Length of R.O.W.: \_\_\_\_\_ feet. Width of R.O.W.: feet.  $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$ 21. Pavement Area: Length of pavement area: \_\_\_\_\_ feet. Width of pavement area: feet.  $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$ Pavement area acres ÷ R.O.W. area acres x 100 = % impervious cover.

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

A rest stop will not be included in this project.

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

# Stormwater to be generated by the Proposed Project

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

# Wastewater to be generated by the Proposed Project

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

N/A

26. Wastewater will be disposed of by:

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

| <ul> <li>Attachment F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.</li> <li>Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.</li> </ul> |
|--|
| Sewage Collection System (Sewer Lines):<br>The sewage collection system will convey the wastewater to the <u>Singing Hills Wastewater</u><br><u>Treatment Facility</u> (name) Treatment Plant. The treatment facility is:  |
| Existing.  |
| □ N/A  |

## Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

Complete questions 27 - 33 if this project includes the installation of AST(s) with volume(s) greater than or equal to 500 gallons.

 $\square N/A$ 

27. Tanks and substance stored:

### Table 2 - Tanks and Substance Storage

| AST Number | Size (Gallons) | Substance to be<br>Stored | Tank Material      |
|------------|----------------|---------------------------|--------------------|
| 1          |                |                           |                    |
| 2          |                |                           |                    |
| 3          |                |                           |                    |
| 4          |                |                           |                    |
| 5          |                |                           |                    |
|            |                | Tota                      | al x 1.5 = Gallons |

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

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

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

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

**Table 3 - Secondary Containment** 

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

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

30. Piping:

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

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

The piping will be aboveground

] The piping will be underground

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

Tanks clearly labeled

Piping clearly labeled

Dispenser clearly labeled

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

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

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

### Site Plan Requirements

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

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

Site Plan Scale: 1" = <u>40</u>'.

35. 100-year floodplain boundaries:

Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.

No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): <u>FEMA PANEL 48091C0220F dated 9/2/2009</u>.

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.  $\square$  A drainage plan showing all paths of drainage from the site to surface streams.
- 38. 🖂 The drainage patterns and approximate slopes anticipated after major grading activities.
- 39.  $\boxtimes$  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. 🛛 Locations where soil stabilization practices are expected to occur.
- 42. Surface waters (including wetlands).

N/A

43. Locations where stormwater discharges to surface water.

There will be no discharges to surface water.

44. Temporary aboveground storage tank facilities.

Temporary aboveground storage tank facilities will not be located on this site.

45. Permanent aboveground storage tank facilities.

Permanent aboveground storage tank facilities will not be located on this site.

46.  $\square$  Legal boundaries of the site are shown.

# Permanent Best Management Practices (BMPs)

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

47. Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.

🗌 N/A

- 48. These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
  - The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: \_\_\_\_\_.

N/A

49. Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.

🗌 N/A

50. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

The site will be used for low density single-family residential development and has 20% or less impervious cover.

The site will be used for low density single-family residential development but has more than 20% impervious cover.

 $\boxtimes$ The site will not be used for low density single-family residential development.

| BMPs for multi-      |
|----------------------|
| 20% or less          |
| vPs must be          |
| pervious cover       |
| site as described in |
| cation Processing    |
| the appropriate      |
|                      |
|                      |

|          | <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 business sites.</li> </ul>                                     |
|----------|---|
| 52. 🔀 At | tachment J - BMPs for Upgradient Stormwater.  |
|          | <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. 🔀 At | tachment 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>   |
|          | <b>tachment L - BMPs for Surface Streams</b> . A description of the BMPs and measures at prevent pollutants from entering surface streams is attached.  |
| □ N/     | Ά   |
| pro      | tachment M - Construction Plans. Construction plans and design calculations for the oposed permanent BMPs and measures have been prepared by or under the direct pervision 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<br>measures   |
| <ul> <li>Signed by the owner or responsible party</li> <li>Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.</li> </ul>  |
| Contains a discussion of record keeping procedures  |
| □ N/A   |
|   |
| 57. Attachment O - Pilot-Scale Field Testing Plan. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.   |
| ⊠ N/A   |
| 58. Attachment P - Measures for Minimizing Surface Stream Contamination. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that result in water quality degradation. |
| □ N/A   |
| Responsibility for Maintenance of Permanent BMPs and  |
|   |

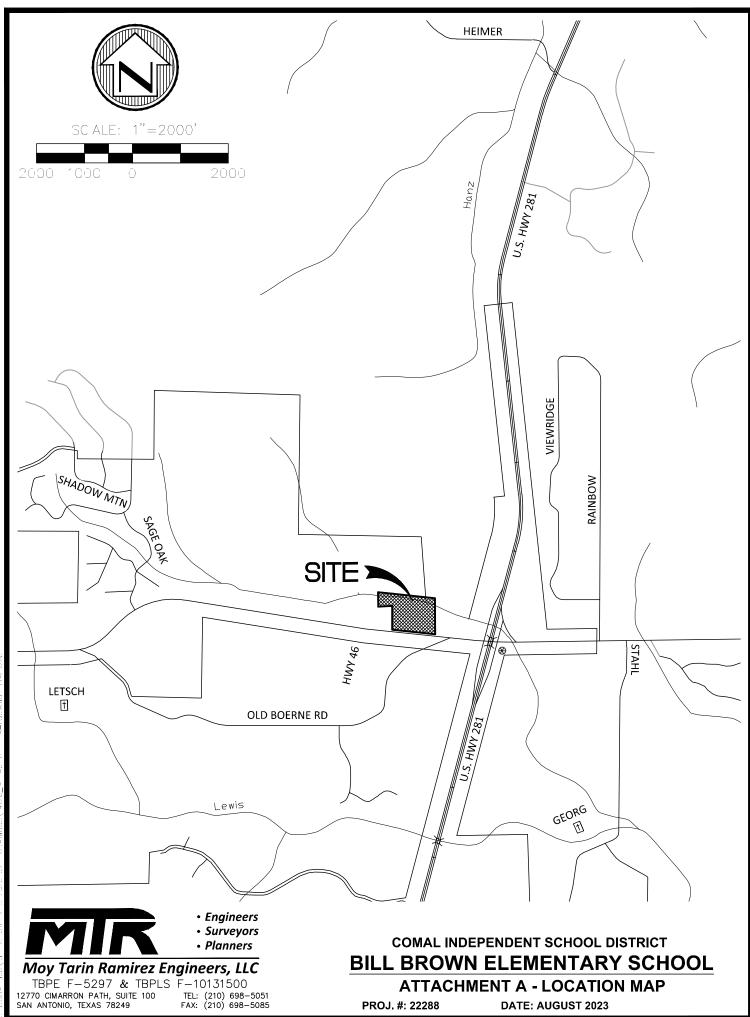
# Measures after Construction is Complete.

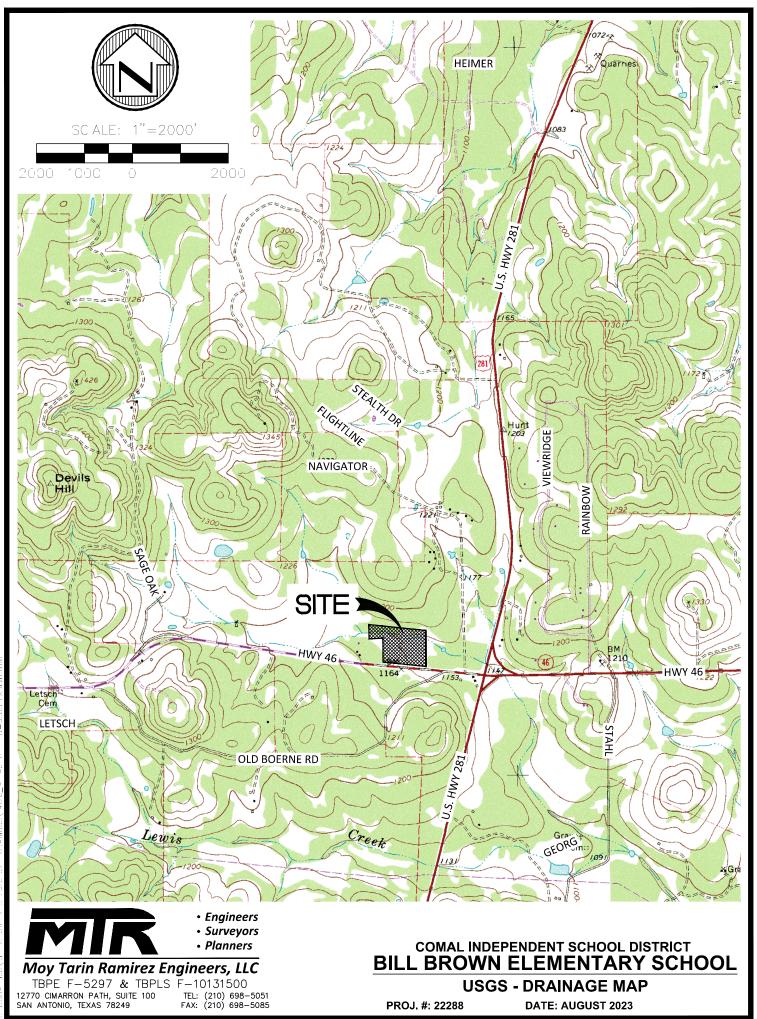
- 59. The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
- 60. A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development,

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

# Administrative Information

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





### ATTACHMENT C

### PROJECT DESCRIPTION

The two proposed projects will be providing a new concrete drainage channel with an alternate proposed parking area, new playground equipment, new rubberized surface, artificial turf play areas, and associated concrete flatwork at Bill Brown Elementary School. The original Contributing Zone Plan was approved on May 29, 2015 for 5.251 acres of impervious cover.

The overall acreage of the Bill Brown Elementary School property is 17.256 acres and is located at 20410 TX-46, Spring Branch, TX 78070. The site is located in the Edwards Aquifer Contributing Zone.

Current development consists of an elementary school with buildings, concrete sidewalks, and asphalt parking.

The proposed impervious cover onsite will increase by approximately 2.237 acres, bringing the total site impervious cover to 7.488 acres, or 43.39 percent. Approximately 1.612 acres of this increase is associated with the proposed concrete drainage channel and will not require treatment. A small portion of the new concrete drainage channel work will occur outside the property line. This is necessary in order to demolish and replace a portion of the existing adjacent drainage channel to ensure matching elevations. The adjacent drainage channel is located within a public drainage right-of-way.

The remaining increase of impervious cover will be treated with new engineered vegetative filter strips. A portion of these new VFS will treat the new impervious cover, while any remaining treatment requirement will be offset by treating grandfathered impervious cover. Please refer to Attachment K: BMPs for On-Site Stormwater for a more detailed breakdown of the impervious cover treatment.

### ATTACHMENT D

### FACTORS AFFECTING SURFACE WATER QUALITY

Factors impacting surface water quality include fertilizers, pesticides from landscaping, sediment from soil disturbances, leaf litter from tree removal, small amounts of oil grease from vehicular traffic, and suspended solids from the proposed impervious cover areas. These factors may cause suspended solids to enter into the storm water runoff and subsequently affect the surface water. However, temporary BMPs have been designed on the basis of the Technical Guidance Manual to treat the required amount of storm water runoff as to not adversely affect water quality entering into any surface water or groundwater.

### ATTACHMENT E

### VOLUME AND CHARACTER OF STORM WATER

### **Volume of Storm Water**

Bill Brown Elementary School is located to the southeast of the Singing Hills Development and conveys a significant amount of stormwater through the property. Stormwater previously traveled across the property through natural lows. After the proposed construction project, a concrete drainage channel will intercept and convey this water to the adjacent property. The rational method (Q=CIA) was used to calculate the 25-year storm event. The following areas and volumes were calculated:

### **On-Site Drainage Area A**

Existing Conditions Area = 9.38 acres Impervious Cover = 2.58 acres Runoff Coefficient = 0.61 Percent Impervious = 27.54% Q<sub>25</sub> = 35.73 cfs Proposed Conditions Area = 9.38 acres Impervious Cover = 4.82 acres Runoff Coefficient = 0.75 Percent Impervious = 51.38% Q<sub>25</sub> = 44.17 cfs

### **Character of Storm Water**

Stormwater runoff generated from the site during construction will be typical of an elementary school educational facility with buildings, parking lots, and basin maintenance projects. The runoff should consist of small amounts of suspended solids created by sediments from disturbed soils, construction dust, sawdust and hydrocarbons from construction equipment. Temporary BMP's have been selected from the TCEQ Publication, "Complying with the Edwards Aquifer Rules: Technical Guidance for Best Management Practices," to treat the required volume and character of storm water runoff to remove the increased total suspended solids (TSS) due to the proposed maintenance activities. Permanent stabilization of areas where soil is disturbed by construction activities will be accomplished by solid sodding in those areas.

Stormwater runoff generated after construction is complete will also be typical of an elementary school educational facility. The runoff will contain sediments from rooftops, driveways, parking lots, sidewalks, landscape areas, and other miscellaneous impervious areas from the site. The runoff may contain small amounts of oil, grease, suspended solids, fertilizers, and pesticides. The post construction runoff will be treated through the existing and proposed engineered vegetative filter strips.

### ATTACHMENT J

### BMP'S FOR UPGRADIENT STORM WATER

Upgradient storm water enters the site along the northern and western boundaries. Upgradient flow for the Singing Hills development, northwest of the project site will discharge into an existing detention pond. Upon discharging from the pond, this water will flow off the site in a southeasterly direction across Windmill Ranch Subdivision and will eventually converge with an adjacent watershed. The adjacent watershed is west of the school site and will flow into the natural low, known as Lewis Tributary 14, which will be replaced with the concrete drainage channel proposed in this modification.

During construction, temporary BMP's consisting of silt fences, rock berms, and bagged gravel inlet filters will be utilized to alleviate sediment from leaving the site. During construction the upgradient water will not flow into the Vegetative Filter Strip catchment areas. After construction, the upgradient flow will be contained in the new concrete drainage channel.

#### ATTACHMENT K

#### **BMP'S FOR ON-SITE STORM WATER**

During construction, temporary BMPs consisting of silt fences, bagged gravel inlet filters, and rock berms will be utilized at strategic locations to minimize the amount of sediment leaving the site. After construction, permanent BMPs in the form of engineered vegetative filter strips will treat on-site runoff.

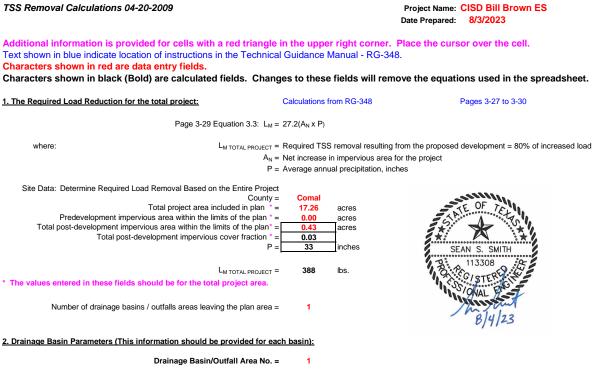
The previously approved Contributing Zone Plan stated the impervious cover was 5.25 acres, including 0.095 acres of off-site drainage. Treatment for this impervious cover was provided by utilizing engineered vegetative filter strips to treat both new and grandfathered impervious cover. The proposed drainage channel and playground projects will result in an increase of 2.237 acres of impervious cover. Of this, 1.612 acres are associated with the drainage channel and will not require treatment since the channel provides sedimentation erosion control. Additionally, 0.193 acres of impervious cover are a synthetic turf play area which is considered "self-treating" due to the presence of an underdrain and liner. The remaining 0.432 acres of impervious cover that must be treated results in a TSS removal requirement of 388 lbs. Please note that if the TSS removal requirement is broken down into the 0.339 acres of playgrounds/flatwork (requires 304 lbs. removal) and the 0.093 acres of additional parking area (requires 83 lbs. removal) the resulting total is 387 lbs. The 388 lbs. requirement has been used as the controlling required removal amount to be as conservative as possible. The discrepancy in calculation is due to background rounding in the TCEQ spreadsheet.

The increase in impervious cover associated with the alternate additional parking area is 0.093 acres. The additional parking area will demolish and replace 0.038 acres of untreated grandfathered impervious cover for a total impervious area of 0.131 acre, the entirety of which shall be treated with engineered vegetative filter strips. The resulting TSS removal is 118 lbs.

The playgrounds and associated flatwork account for the remaining increase of 0.339 acres of impervious cover. The playground on the eastern side of the project provides a drainage area that is longer than 72'. Engineered vegetative filter strips will be provided to treat the first 72' of drainage from the playground. The total TSS removal from the vegetative filter strips treating 0.277 acres of the playground/flatwork areas is 249 lbs. A remaining 0.062 acres of impervious cover from the untreated playground area and some untreated concrete flatwork will be offset by treating a 0.163-acre existing asphalt play area, removing 146 lbs. of TSS. The following tables summarize the TSS removal requirement and TSS removal provided for this modification. Overall, the total TSS removal proposed with this project is 513 lbs., which is 125 lbs. greater than the required 388 lbs.

| Required TSS Removal                        |       |           |  |  |  |  |
|---|-------|-----------|--|--|--|--|
| Item I.C. Increase (ac.) TSS Removal (Ibs.) |       |           |  |  |  |  |
| Conc. Drainage Channel                      | 1.612 | 0         |  |  |  |  |
| Alt. Additional Parking                     | 0.093 | 83        |  |  |  |  |
| Self-Treating Synth. Turf                   | 0.193 | 0         |  |  |  |  |
| Playgrounds/Flatwork                        | 0.339 | 304       |  |  |  |  |
| Total                                       | 2.237 | 387 (388) |  |  |  |  |

| Provided VFS TSS Removal  |                    |                    |  |  |  |  |
|---|--------------------|--------------------|--|--|--|--|
| Item  | Treated Area (ac.) | TSS Removal (lbs.) |  |  |  |  |
| Alt. Additional Parking<br>(Replaces 0.038 ac. Pre-<br>1999 I.C.) | 0.131              | 118                |  |  |  |  |
| Playgrounds/Flatwork  | 0.277              | 249                |  |  |  |  |
| Existing Asphalt Play Area  | 0.163              | 146                |  |  |  |  |
| Total   | 0.571              | 513                |  |  |  |  |



| Total drainage basin/outfall area =<br>Predevelopment impervious area within drainage basin/outfall area =<br>Post-development impervious area within drainage basin/outfall area =<br>Post-development impervious fraction within drainage basin/outfall area = | 0.57<br>0.00<br>0.57<br>1.00 | acres<br>acres<br>acres |
|--|------------------------------|-------------------------|
| L <sub>M THIS BASIN</sub> =  | 513                          | lbs.                    |

#### 3. Indicate the proposed BMP Code for this basin.

Texas Commission on Environmental Quality

#### Proposed BMP = Vegetated Filter Strips Removal efficiency = 85 percent

Aqualogic Cartridge Filter Bioretention Contech StormFilter Constructed Wetland Extended Detention Grassy Swale Retention / Irrigation Sand Filter Stormceptor Vegetated Filter Strips Vortechs Wet Basin Wet Vault

#### 4. Calculate Maximum TSS Load Removed (L<sub>R</sub>) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: L<sub>R</sub> = (BMP efficiency) x P x (A<sub>1</sub> x 34.6 + A<sub>P</sub> x 0.54)

where.

A<sub>C</sub> = Total On-Site drainage area in the BMP catchment area

- AI = Impervious area proposed in the BMP catchment area
- A<sub>P</sub> = Pervious area remaining in the BMP catchment area
- $L_R$  = TSS Load removed from this catchment area by the proposed BMP
- 0.57  $A_C =$ acres  $A_1 =$ 0.57 acres  $A_P =$ 0.00 acres  $L_R =$ 554 lbs

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

| 3. Calculate Fraction of Annual Kunon to Treat the drainage basin / outlan  | alea           |                 |   |                                       |
|---|----------------|-----------------|---|---------------------------------------|
| Desired L <sub>M THIS BASIN</sub> =   | 513            | lbs.            |   |                                       |
| F =   | .0.93          |                 |   |                                       |
| 6. Calculate Capture Volume required by the BMP Type for this drainage b  | asin / outfall | area.           | Calculations from RG-34                       | 8 Pages 3-34 to 3-36                  |
| Poinfell Depth -  | 2.20           | inches          |   |                                       |
| Rainfall Depth =<br>= Post Development Runoff Coefficient   |                | inches          |   |                                       |
| On-site Water Quality Volume =  | 3722           | cubic feet      |   |                                       |
|   | Calculations   | s from RG-348   | Pages 3-36 to 3-37                            |                                       |
| Off-site area draining to BMP =   | 0.00           | acres           |   |                                       |
| Off-site Impervious cover draining to BMP =   |                | acres           |   |                                       |
| Impervious fraction of off-site area =<br>Off-site Runoff Coefficient =   |                |                 |   |                                       |
| Off-site Water Quality Volume =   |                | cubic feet      |   |                                       |
| Storage for Sediment =  | 744            |                 |   |                                       |
| Total Capture Volume (required water quality volume(s) x 1.20) =<br>The following sections are used to calculate the required water quality vol |                | cubic feet      | D   |                                       |
| The values for BMP Types not selected in cell C45 will show NA.   |                |                 |   |                                       |
| 7. Retention/Irrigation System  | Designed a     | s Required in R | G-348 Pa                                      | iges 3-42 to 3-46                     |
| Required Water Quality Volume for retention basin =   | NA             | cubic feet      |   |                                       |
| Irrigation Area Calculations:   |                |                 |   |                                       |
| Soil infiltration/permeability rate =   | 0.1            | in/hr           | Enter determined perm                         | eability rate or assumed value of 0.1 |
| Irrigation area =   | NA NA          | square feet     |   |                                       |
|   | NA             | acres           |   |                                       |
| 8. Extended Detention Basin System  | Designed as    | s Required in R | G-348 Pa                                      | iges 3-46 to 3-51                     |
| Required Water Quality Volume for extended detention basin =  | - NA           | cubic feet      |   |                                       |
| 9. Filter area for Sand Filters   | Designed as    | s Required in R | G-348 Pa                                      | iges 3-58 to 3-63                     |
| 9A. Full Sedimentation and Filtration System  |                |                 |   |                                       |
| Water Quality Volume for sedimentation basin =  | NA             | cubic feet      |   |                                       |
| Minimum filter basin area =   | - NA           | square feet     |   |                                       |
| Maximum sedimentation basin area =  |                |                 | For minimum water dep                         |                                       |
| Minimum sedimentation basin area =  | - NA           | square feet     | For maximum water dep                         | pth of 8 feet                         |
| 9B. Partial Sedimentation and Filtration System   |                |                 |   |                                       |
| Water Quality Volume for combined basins =  | - NA           | cubic feet      |   |                                       |
| Minimum filter basin area =   | - NA           | square feet     |   |                                       |
| Maximum sedimentation basin area =  |                | •               | For minimum water dep                         |                                       |
| Minimum sedimentation basin area =  | = NA           | square feet     | For maximum water de                          | pth of 8 feet                         |
| 10. Bioretention System   | Designed a     | s Required in R | G-348 Pa                                      | iges 3-63 to 3-65                     |
| Required Water Quality Volume for Bioretention Basin =  | - NA           | cubic feet      |   |                                       |
|   |                |                 |   |                                       |
| 11. Wet Basins  | Designed as    | s Required in R | G-348 Pa                                      | iges 3-66 to 3-71                     |
| Required capacity of Permanent Pool =   |                | cubic feet      |   | ity is 1.20 times the WQV             |
| Required capacity at WQV Elevation =  | NA             | cubic feet      | Total Capacity should b<br>plus a second WQV. | be the Permanent Pool Capacity        |
| 12. Constructed Wetlands  | Designed as    | s Required in R |   | iges 3-71 to 3-73                     |
|   |                |                 |   |                                       |
| Required Water Quality Volume for Constructed Wetlands =  | - NA           | cubic feet      |   |                                       |

#### ATTACHMENT L

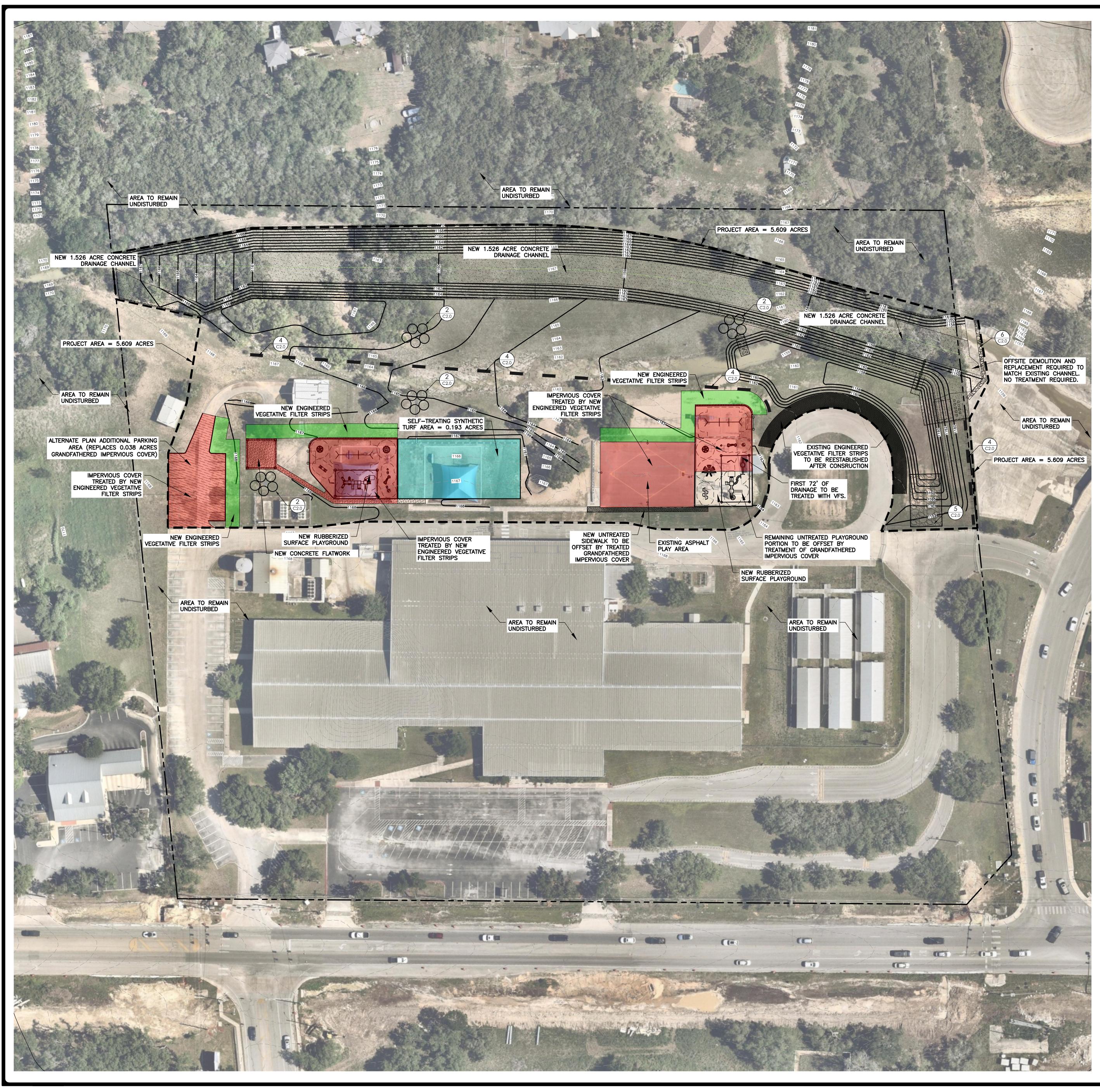
#### BMP's FOR SURFACE STREAMS

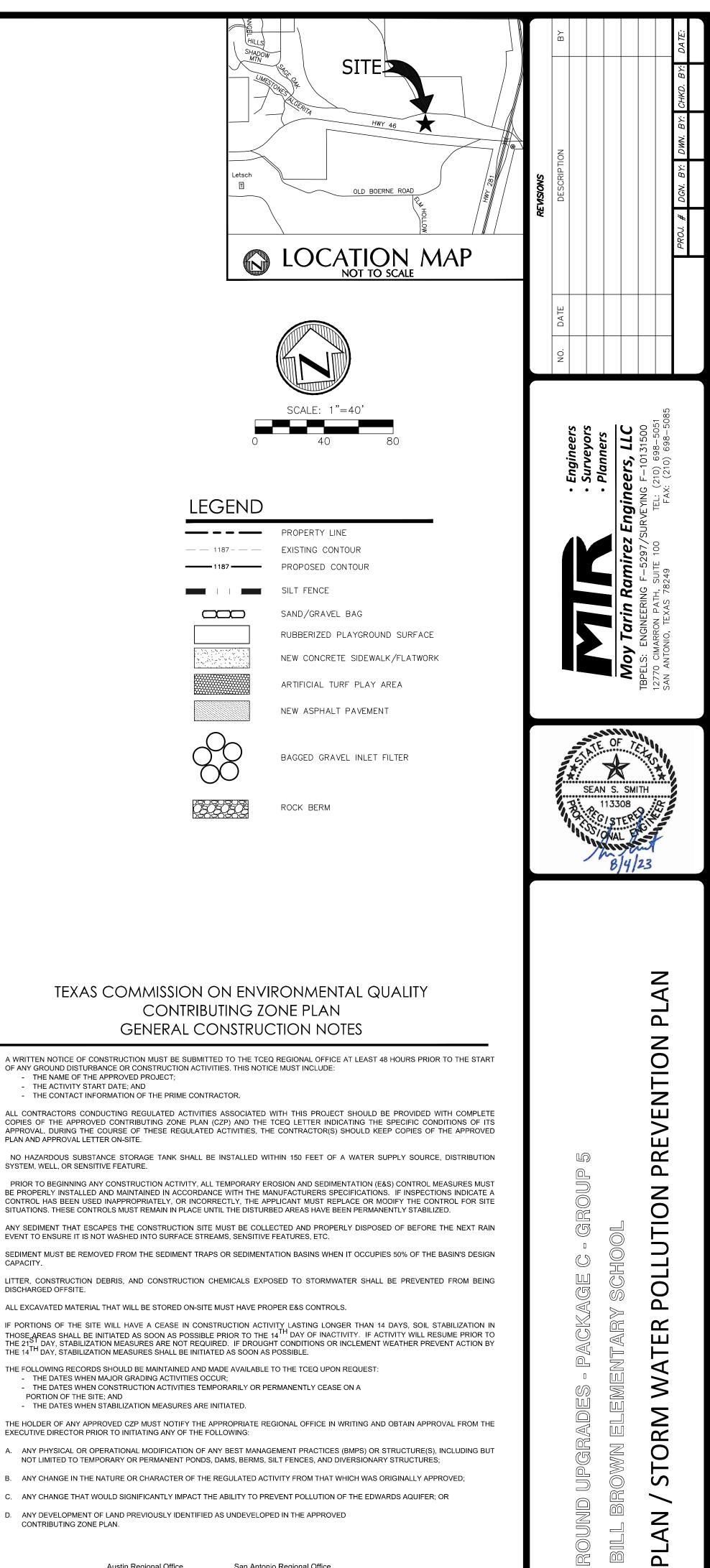
There are no surface streams on the project site. Permanent and temporary BMPs, as shown on the Site Plan, will be used to minimize sediments leaving the site and flowing into off-site surface streams during and after construction.

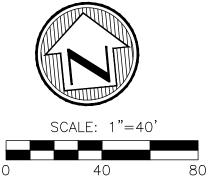
### ATTACHMENT P

#### MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

Both permanent and temporary BMP's, as shown on the CZP Site Plan, shall be used to minimize contamination to offsite surface streams, both during and after construction. During construction, temporary BMP's will consist of silt fence, rock berms, and bagged gravel inlet filters. After construction, the permanent BMPs will consist of existing and proposed engineered vegetative filter strips.







# LEGEND

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# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY CONTRIBUTING ZONE PLAN GENERAL CONSTRUCTION NOTES

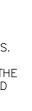
- I. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY GROUND DISTURBANCE OR CONSTRUCTION ACTIVITIES. THIS NOTICE MUST INCLUDE: THE NAME OF THE APPROVED PROJECT; THE ACTIVITY START DATE; AND THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
- ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN (CZP) 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.
- NO HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
- PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
- SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN
- 7. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
- 8. ALL EXCAVATED MATERIAL THAT WILL BE STORED ON-SITE MUST HAVE PROPER E&S CONTROLS.
- 9. IF PORTIONS OF THE SITE WILL HAVE A CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14<sup>TH</sup> DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21<sup>ST</sup> DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14<sup>1 H</sup> DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
- 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.
- . THE HOLDER OF ANY APPROVED CZP 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 (BMPS) OR STRUCTURE(S), INCLUDING BUT
- NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;
- C. ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE EDWARDS AQUIFER; OR
- D. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE APPROVED CONTRIBUTING ZONE PLAN

Austin Regional Office 12100 Park 35 Circle, Building A Austin, Texas 78753-1808 Phone(512) 339-2929 Fax (512) 339-3795

San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone(210) 490-3096 Fax (210) 545-4329

# GENERAL NOTES:

- 1. PROVIDE BAGGED GRAVEL INLET FILTERS AT ALL EXPOSED DRAINAGE STRUCTURES.
- 2. SOIL DISTURBANCES WILL OCCUR OVER PARTS OF SITE AS INDICATED ON PLAN.
- 3. LOCATIONS OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS ARE LABELED.
- 4. THESE ARE THE TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES.
- 5. SOIL STABILIZATION PRACTICES SHALL OCCUR OVER THE ENTIRE SITE WITH THE USE OF PAVEMENT, BUILDINGS, SIDEWALKS, GRASS SOD, GRASS SEEDING AND MULCH.
- 6. THERE ARE NO LOCATIONS WHERE STORMWATER DISCHARGES TO SURFACE WATER.





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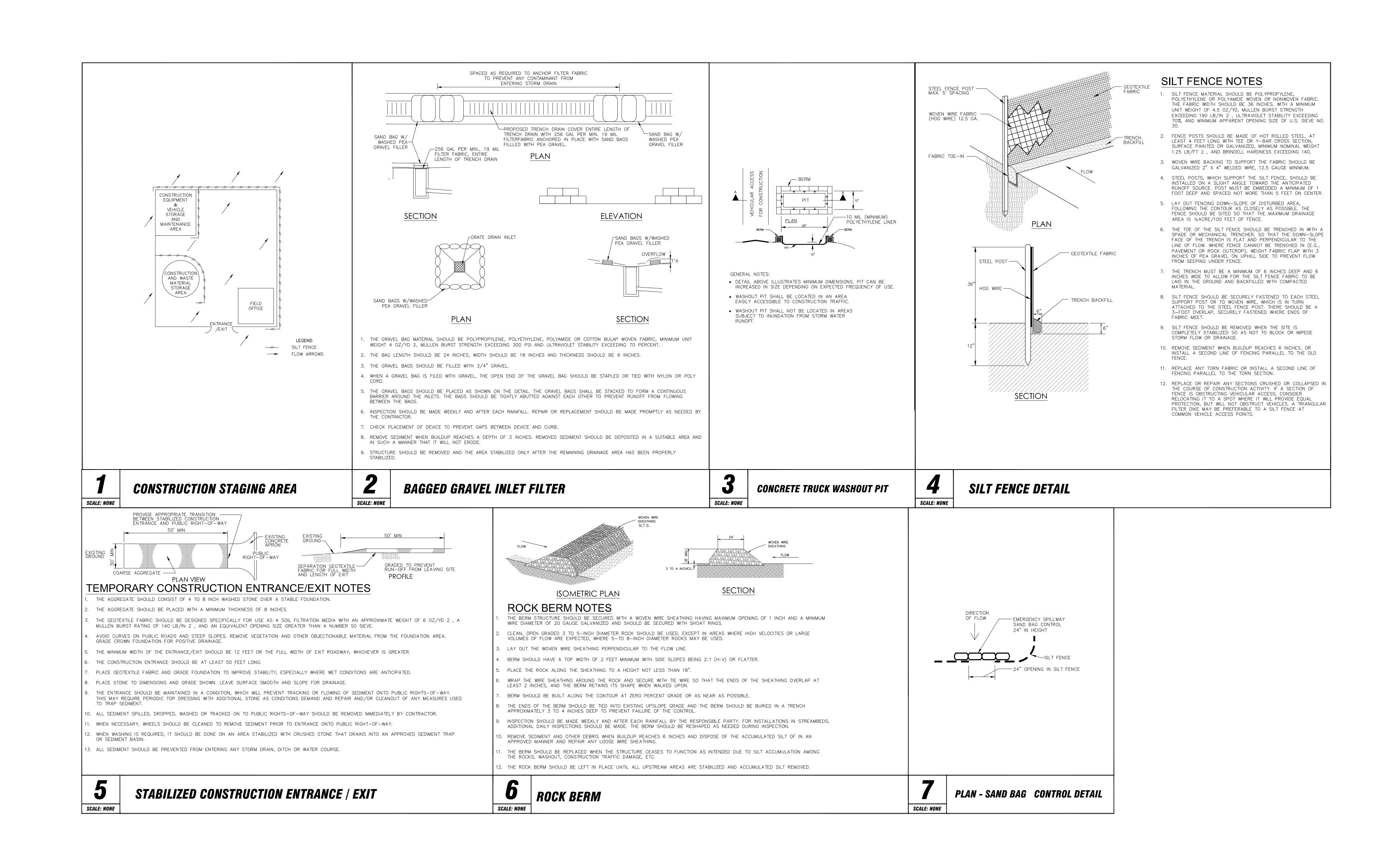
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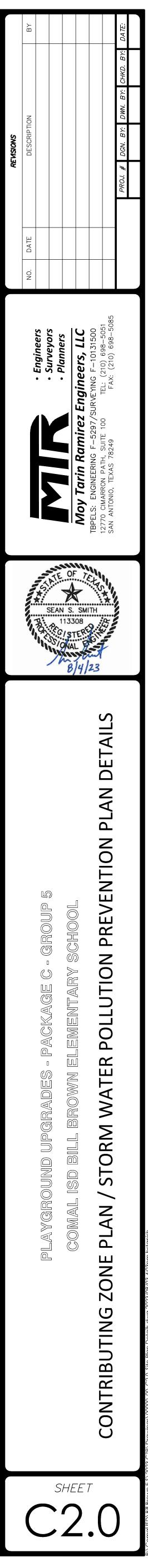
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CONTRIBL

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D\Bill Brown E \$\2023 CZP\Drawings\00000\_00\_200\_21 Site Plan Details.dwg 2023/08/03 4:03pm bstanish

# GENERAL NOTES:

#### 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.

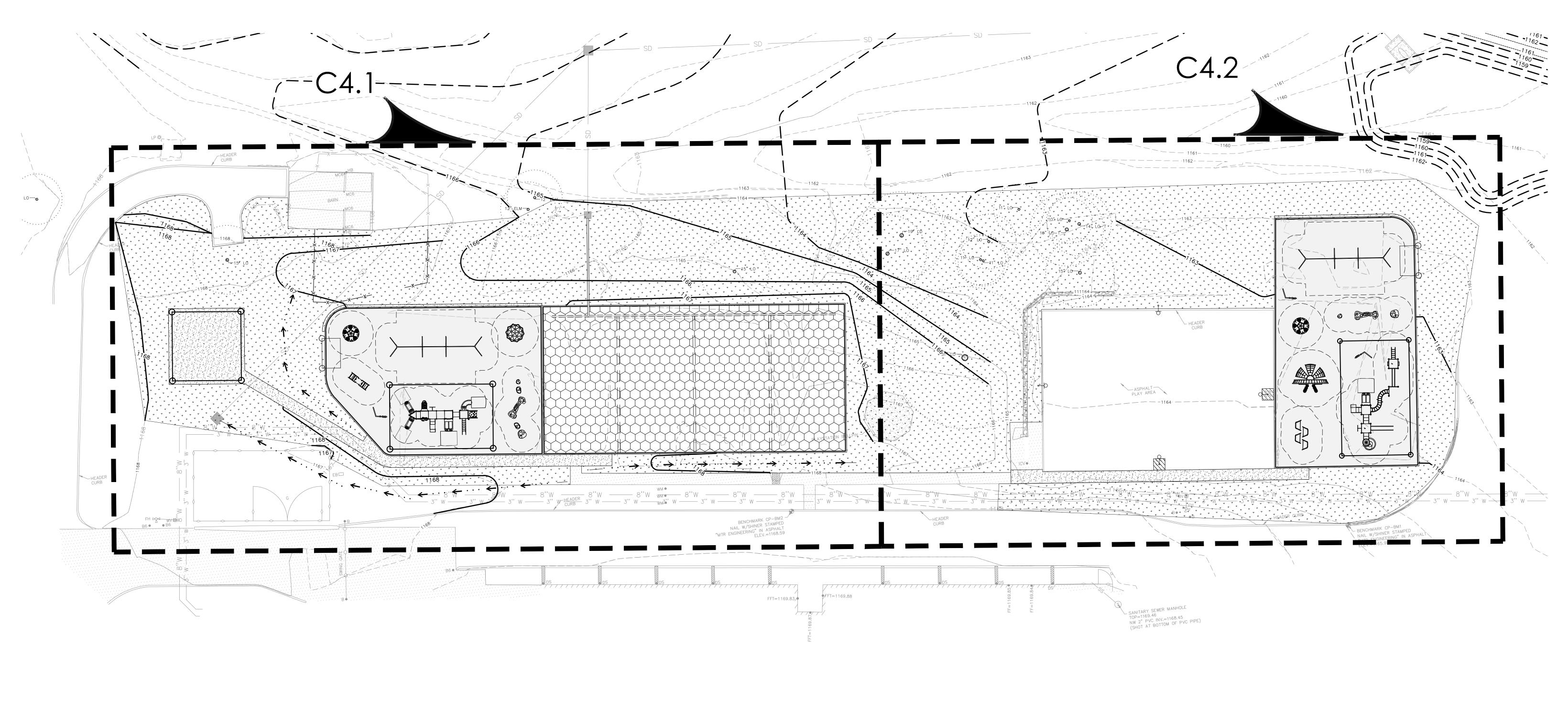
- 2. ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE SITE TO A STATE LICENSED LANDFILL. CONTRACTOR WILL BE REQUIRED TO PROVIDE DOCUMENTATION WHERE DISPOSED MATERIAL IS TAKEN TO. THE OWNER WILL NOT BE HELD LIABLE FOR WASTE MATERIAL.
- 3. CONTRACTOR IS REQUIRED TO SET AND VERIFY ALL PROJECT ELEVATIONS PRIOR TO THE START OF CONSTRUCTION. "MATCH EXISTING" SHALL BE UNDERSTOOD TO SIGNIFY THE SAME MATERIALS AS WELL AS VERTICAL AND 3. STORM SEWER PIPE MATERIAL SPECIFICATIONS: PIPE MATERIAL SHALL BE AS NOTED HORIZONTAL ALIGNMENT.
- 4. GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSION & GRADE CONDITIONS (BOTH NEW AND EXISTING). HE SHALL REPORT ANY DISCREPANCIÈS TO THE PROJECT ENGÍNEER BEFORE PROCEEDING WITH ANY PHASE OF THE WORK AS HE WILL BE RESPONSIBLE FOR ALL WORK AS INTENDED BY THE DRAWINGS AND SPECIFICATIONS.
- 5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.
- 6. BARRICADES AND WARNING SIGNS SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND GENERALLY BE LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION PERSONNEL AND EQUIPMENT AND TO ASSURE AN EXPEDITIOUS TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION.
- 7. ANY EXISTING OFF-SITE IMPROVEMENTS AND/OR UTILITIES REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED 4. ALL STORM SEWER INLET GRATES SHALL BE GALVANIZED. OR REPLACED AS DIRECTED BY THE ENGINEER AND APPROVED BY THE PROJECT ARCHITECT AT THE CONTRACTOR'S EXPENSE.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION, ANY DAMAGES DONE TO EXISTING FENCES, CURBS, CONCRETE DRIVEWAYS, SIDEWALK STRUCTURES AND PAVEMENT, THAT ARE NOT INDICATED TO BE REMOVED. AN INVENTORY OF EXISTING CONDITIONS SHALL BE CONDUCTED WITH THE CONTRACTOR AND OWNER PRIOR TO DEMOLITION.
- 9. CONTRACTOR SHALL MAINTAIN CONTINUAL ALL UTILITY SERVICES (GAS, TELE, CATV, ELEC., WATER, SEWER, STORM SEWER, ETC.) TO EXISTING FACILITIES AND BUILDINGS. WHERE CONSTRUCTION IS IN THE PROXIMITY OF A UTILITY, THE CONTRACTOR WILL TAKE PRECAUTION TO PROTECT AND/OR SUPPORT THE UTILITY.
- 11. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 12. NOTIFY OWNER 72 HOURS IN ADVANCE OF UTILITY SHUTDOWN.

OF THE PROJECT.

- 13. ADJUST ALL EXISTING VALVES & UTILITIES TO REMAIN TO FINISH GRADE. REFERENCE GRADING & UTILITY PLAN.
- 14. CONTRACTOR SHALL COORDINATE ALL DEMOLITION CONSTRUCTION ACTIVITIES WITH OTHER DISCIPLINES AS REQUIRED.
- 15. CONTRACTOR SHALL COORDINATE UTILITY DEMOLITION WITH UTILITY PLANS.
- 16. CONTRACTOR IS RESPONSIBLE FOR CLEARING THE ALIGNMENT FOR ALL NEW FENCING. CLEARING TO INCLUDE ALL VEGETATION, TREE LIMBS, AND SHRUBS WITHIN 5' OF NEW FENCE ALIGNMENT ON EACH SIDE.
- 17. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL SILT FROM THE DRAINAGE SYSTEM AND FLUSH THE DRAINAGE SYSTEM UPON SUBSTANTIAL COMPLETION
- 18. CONTRACTOR TO RESTRIPE ALL FIRE LANE STRIPING TO MATCH EXISTING WHERE PAVEMENT HAS BEEN REMOVED AND REPLACED.

# DRAINAGE AND STORM SEWER NOTES:

- 1. CLEAR COVER FOR REINFORCEMENT STEEL IS 2" UNLESS OTHERWISE NOTED. 2. MATERIAL SPECIFICATIONS: CONCRETE/CONCRETE RIPRAP: CLASS A 3000 PSI IN 28 DAYS UNLESS OTHERWISE NOTED ON PLANS.
- REINFORCING STEEL: CONFORM TO A.S.T.M. A-615, GRADE 60 (2" CLEAR COVER UNLESS OTHERWISE NOTED ON PLANS) PIPE RAILING: CONFORM TO A.S.T.M. A-53, GRADE B, OR A-501
- ON DRAINAGE PLANS. WHEN SPECIFIED: A) REINFORCED CONCRETE PIPE (RCP) CLASS IV UNLESS OTHERWISE SPECIFIED ON PLAN.
- ENGINEER. C) POLYVINYL CHLORIDE (PVC) PIPE SHALL BE SDR 26 (115 psi) D) ALUMINIZED STEEL (AS) 1. CORRUGATIONS:  $\frac{3}{4}$ "X $\frac{3}{4}$ "X7-1/2" HELICAL CORRUGATIONS PER ASSHTO M-36, TYPE IR (ASTM A-760)
- 3. JOINT: HUGGER BAND WITH TECHNO ANGLES. CONTRACTOR TO PROVIDE
- 4. THICKNESS: 0.064" (16 GAUGE)
- 5. CONCRETE COLLARS SHALL BE PROVIDED ON ALL STORM DRAIN TO JUNCTION
- BOX/GRATE INLET CONNECTIONS. REFERENCE DETAILS.
- 7. ALL JUNCTION BOXES SHALL HAVE MANHOLES FOR ACCESS WITH BOLTED MANHOLE
- 8. ALL DRAINAGE STRUCTURES, LIDS AND GRATES SHALL BE RATED FOR H20 LOADING.
- 9. ALL PIPE TRENCHES SHALL CONTAIN FILTER FABRIC BETWEEN THE INITIAL AND REQUIREMENTS.
- 10. ALL CONCRETE STORM DRAIN STRUCTURES TO HAVE A 32" CLEAR OPENING FOR CLEAR OPENING.



B) PRECAST BOX CULVERT OLDCASTLE PRECAST TYPE I OR EQUAL APPROVED BY

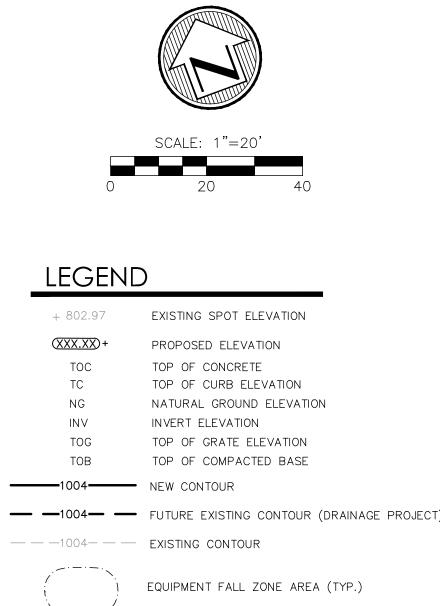
2. MATERIAL: ALUMINIZED TYPE 2 STEEL PER AASHTO M-274 (ASTM A-819)

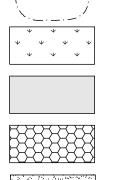
5-C BANDS WITH BAR BOLT AND STRAP CONNECTION AND 12" WIDE NEOPRENE GASKET FOR ALL STORM PIPE UNDER PAVEMENT AREAS.

6. GROUT INVERTS OF ALL JUNCTION BOXES AND GRATE INLETS TO DRAIN.

SECONDARY BACKFILL. REFERENCE DETAILS AND SPECIFICATIONS FOR CONSTRUCTION

ACCESS. CONTRACTOR TO PROVIDE CORRESPONDING LID AND FRAME TO PROVIDE 32"



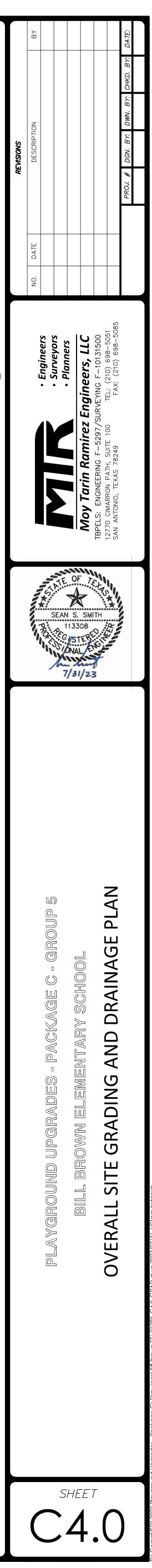


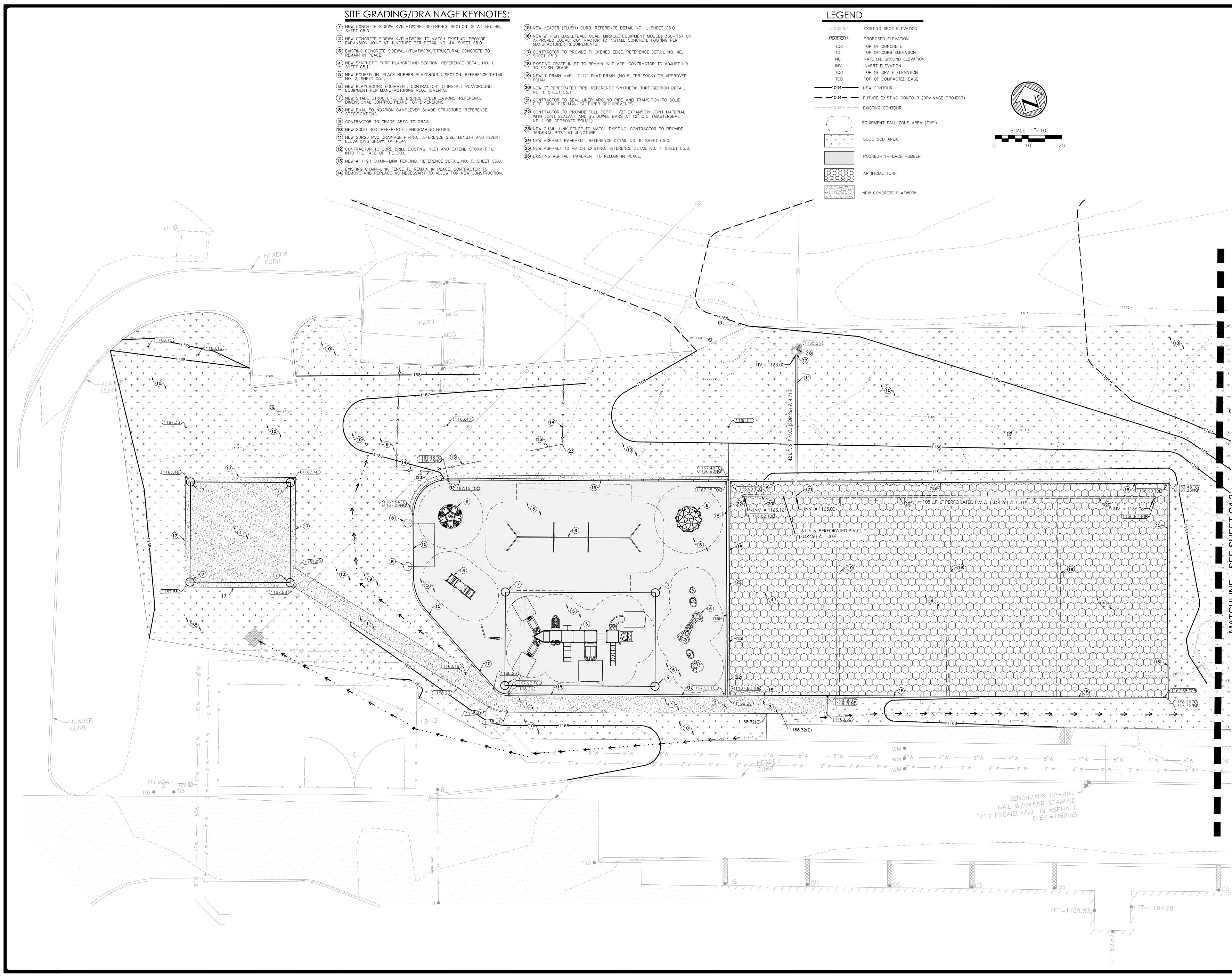
ARTIFICIAL TURF

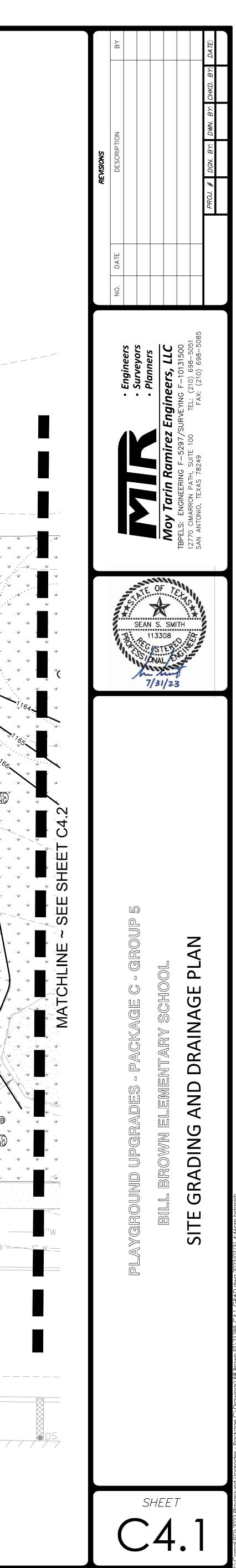
POURED-IN-PLACE RUBBER

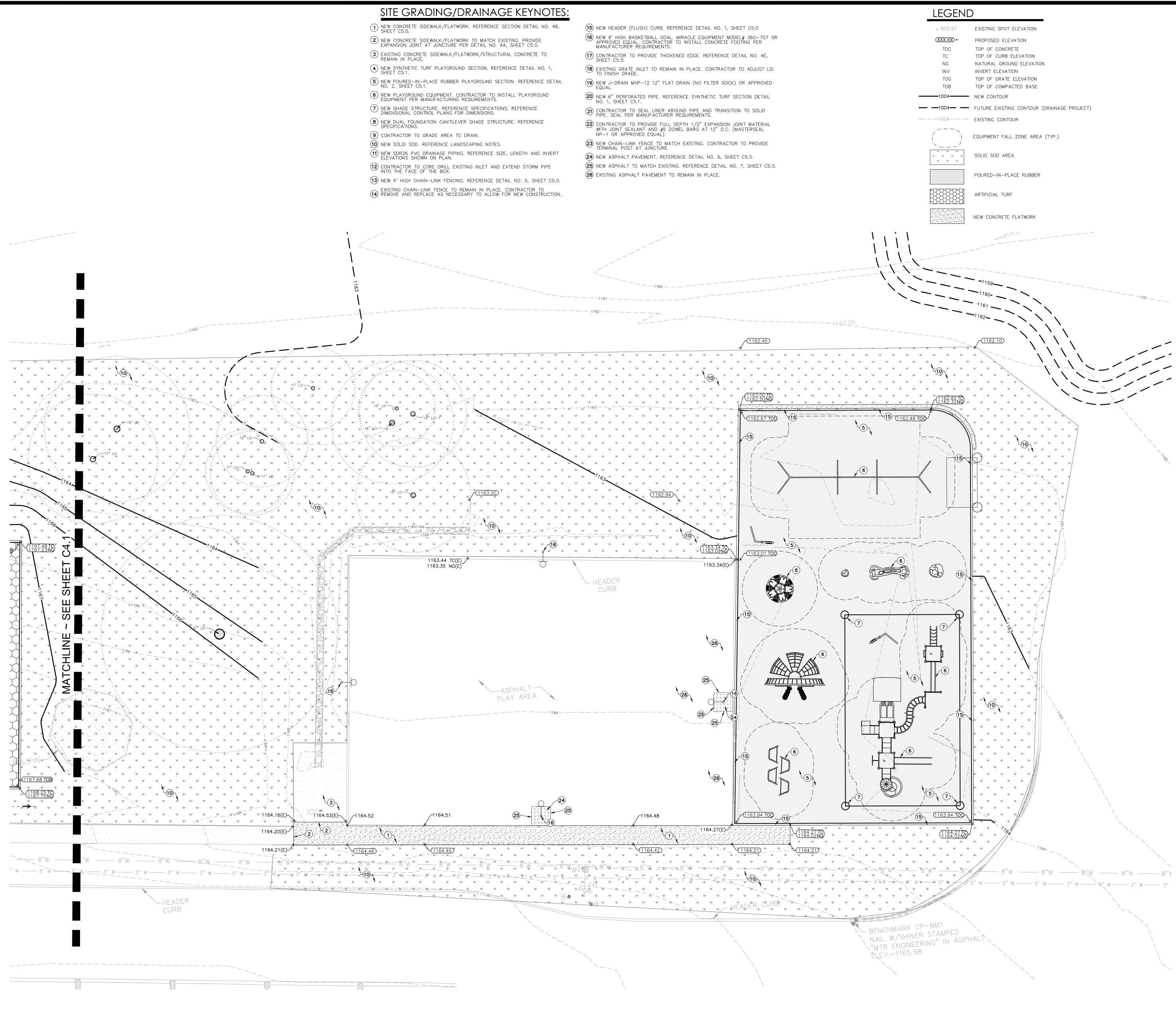
SOLID SOD AREA

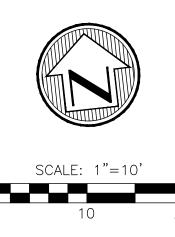
NEW CONCRETE FLATWORK

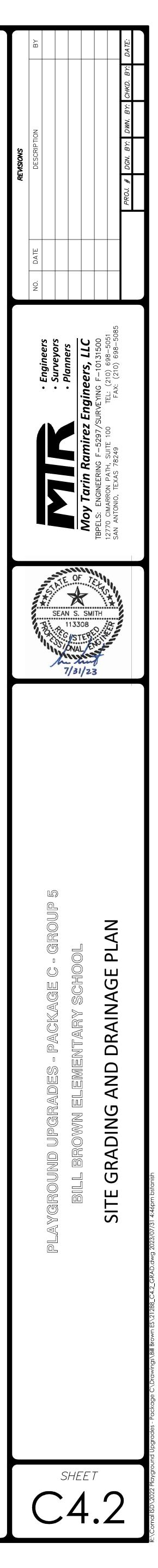


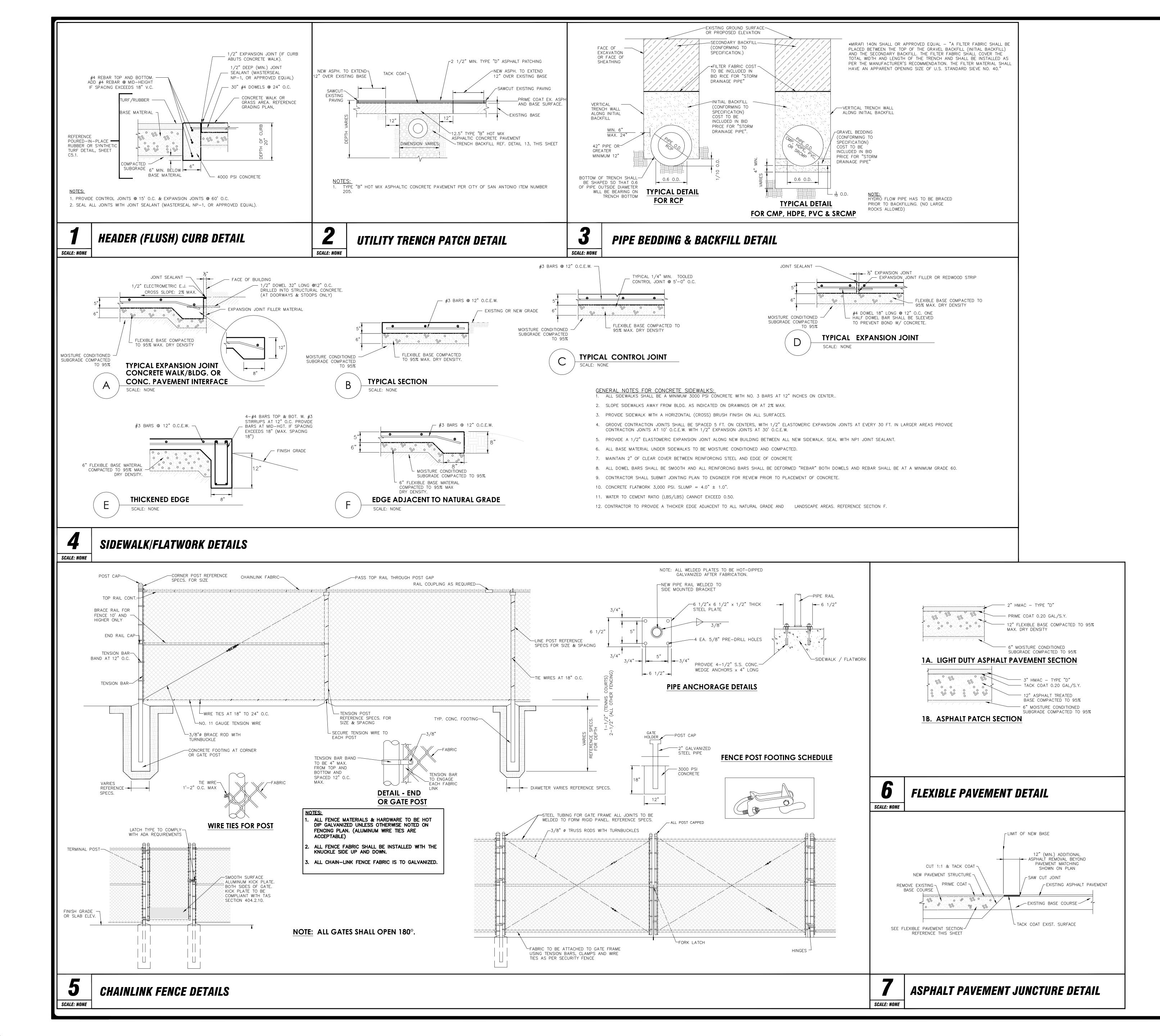


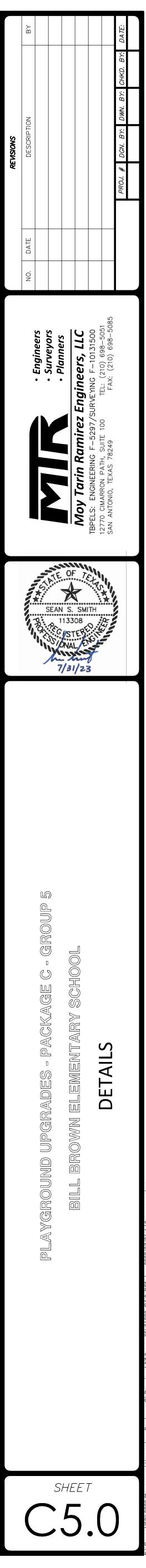




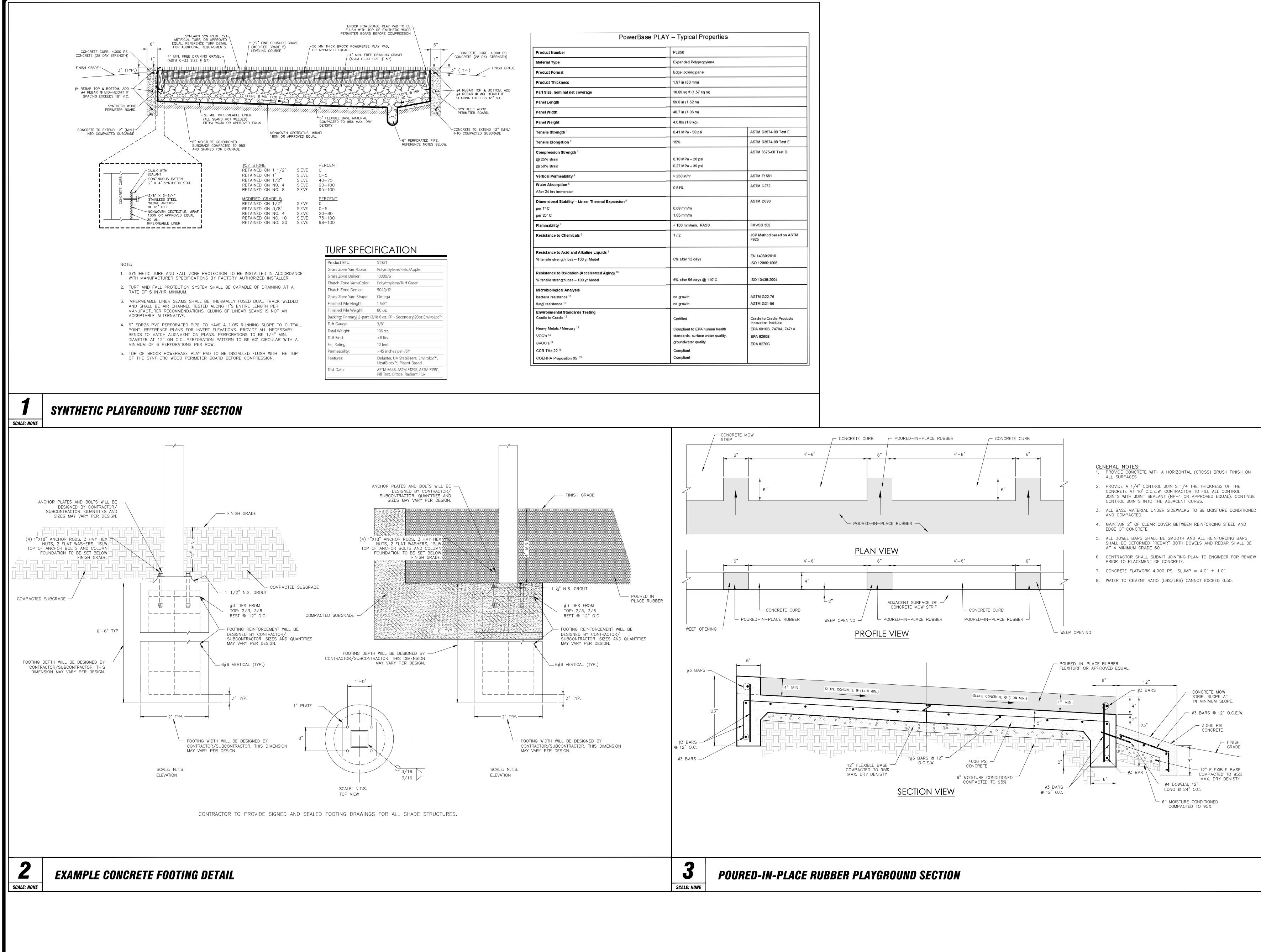


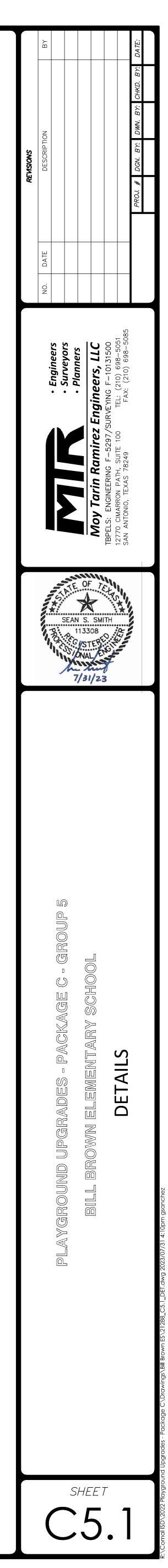






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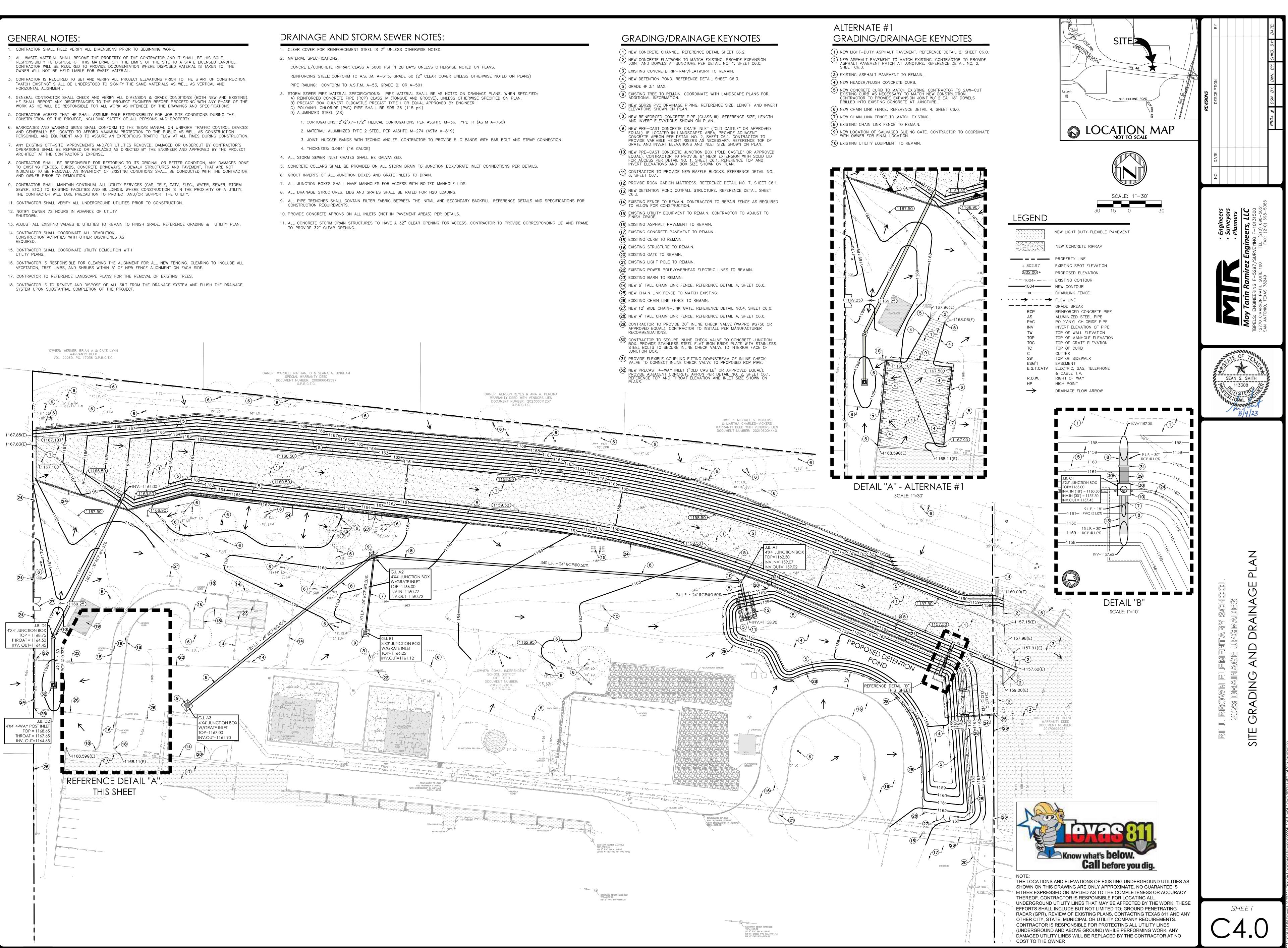


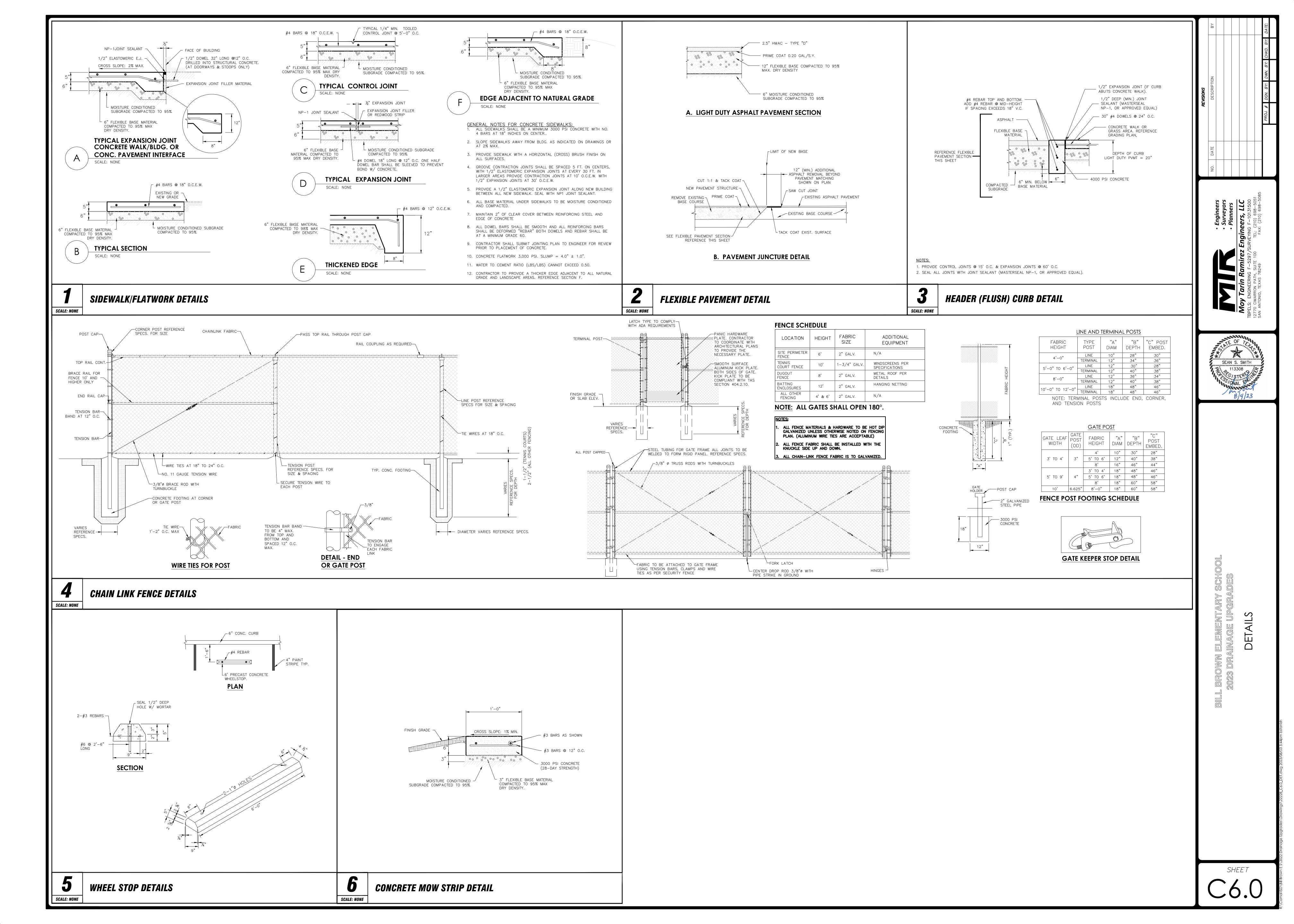
- RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE SITE TO A STATE LICENSED LANDFILL. CONTRACTOR WILL BE REQUIRED TO PROVIDE DOCUMENTATION WHERE DISPOSED MATERIAL IS TAKEN TO. THE
- "MATCH EXISTING" SHALL BE UNDERSTOOD TO SIGNIFY THE SAME MATERIALS AS WELL AS VERTICAL AND HORIZONTAL ALIGNMENT.
- WORK AS HE WILL BE RESPONSIBLE FOR ALL WORK AS INTENDED BY THE DRAWINGS AND SPECIFICATIONS.
- CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.
- AND GENERALLY BE LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION
- ARCHITECT AT THE CONTRACTOR'S EXPENSE.
- AND OWNER PRIOR TO DEMOLITION.
- THE CONTRACTOR WILL TAKE PRECAUTION TO PROTECT AND/OR SUPPORT THE UTILITY.

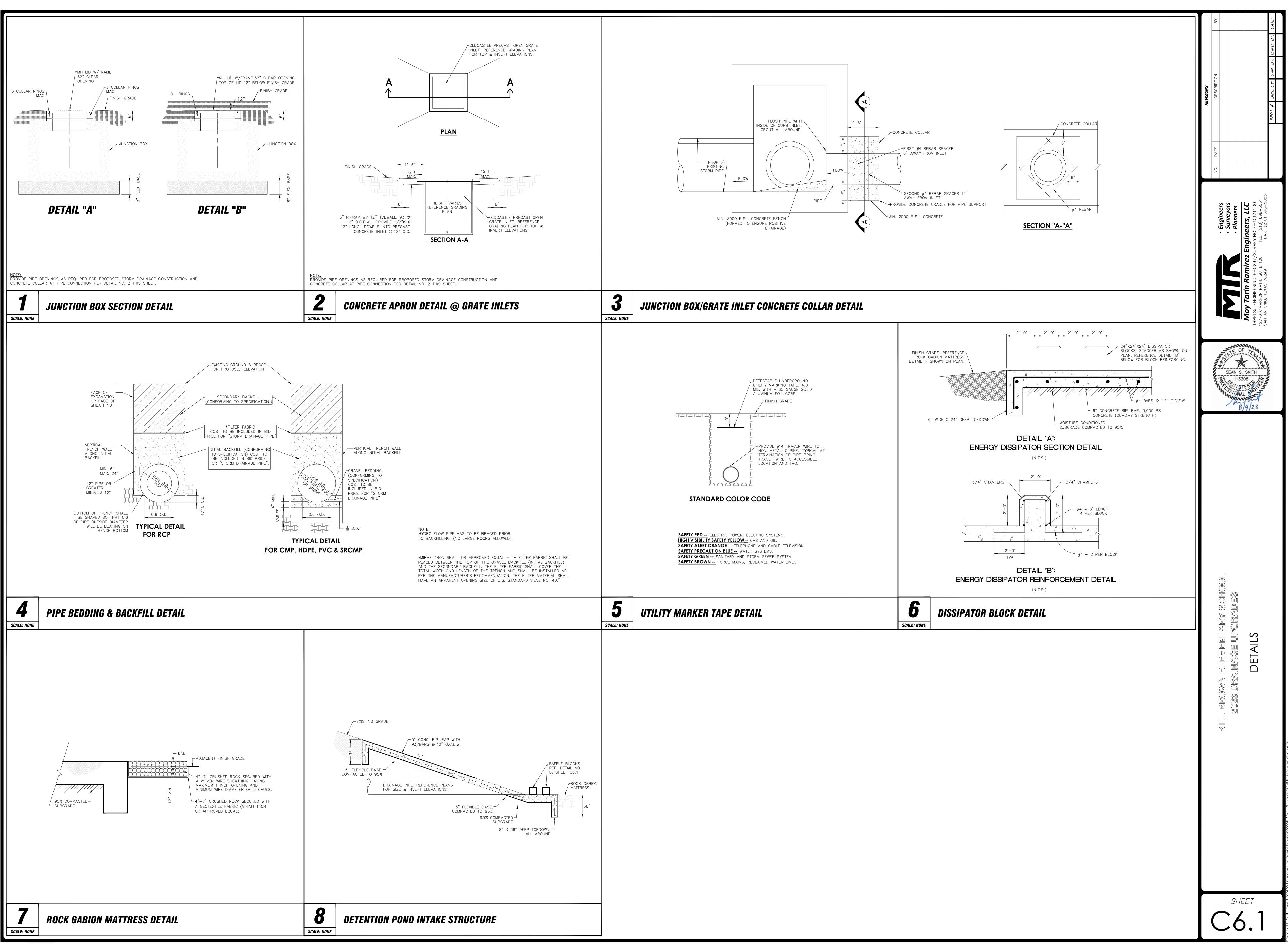
- VEGETATION, TREE LIMBS, AND SHRUBS WITHIN 5' OF NEW FENCE ALIGNMENT ON EACH SIDE.

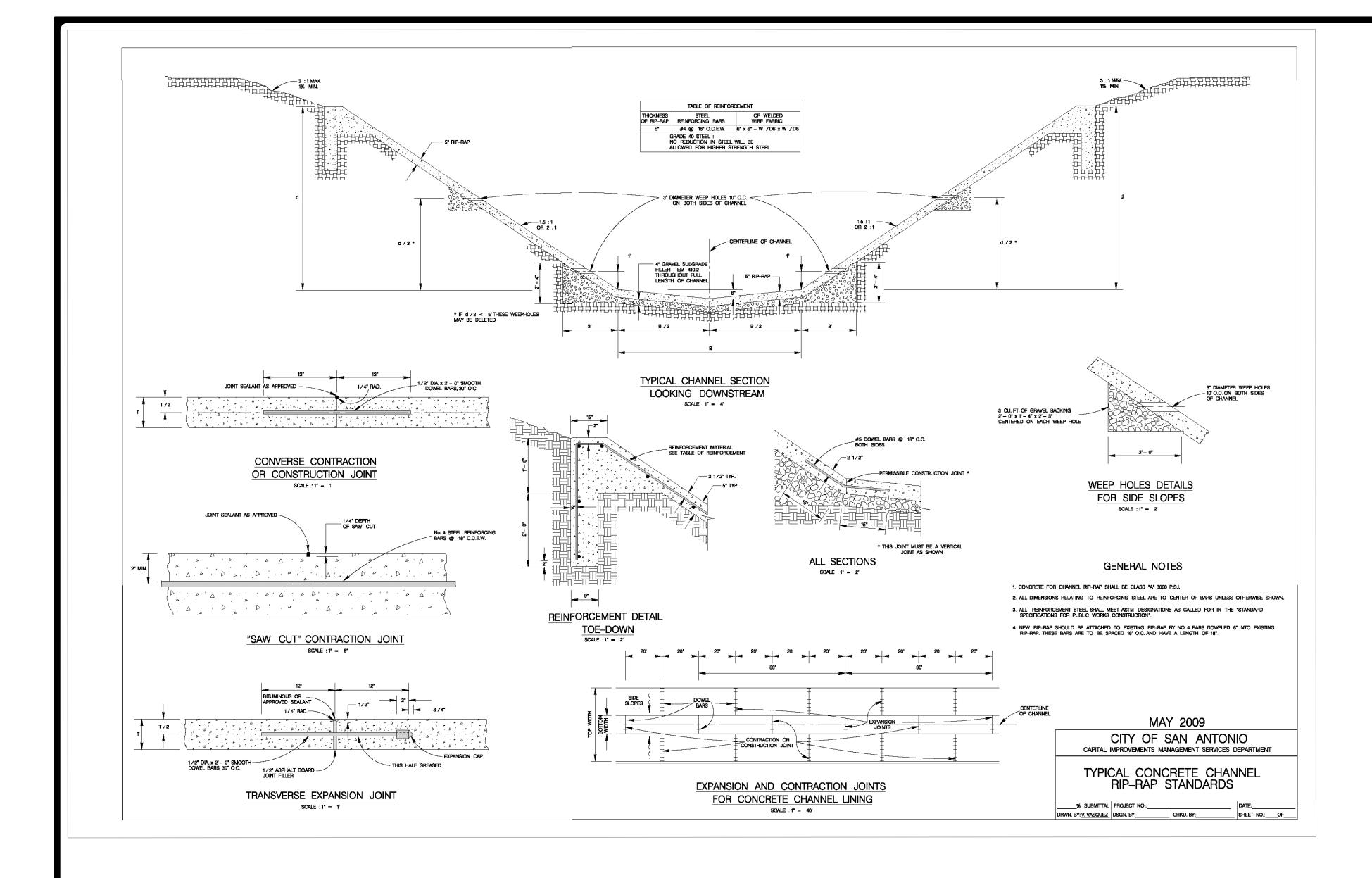
- D) ALUMINIZED STEEL (AS)

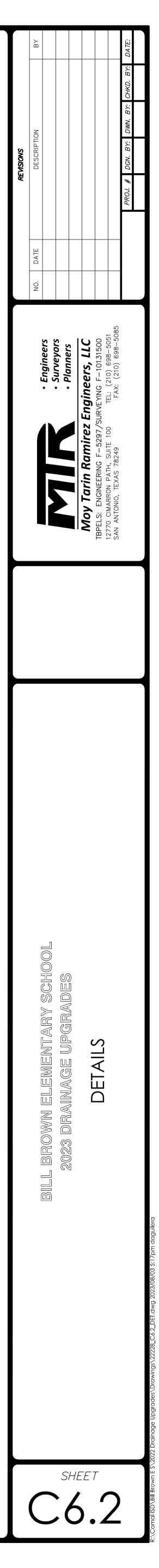
- CONSTRUCTION REQUIREMENTS.
- TO PROVIDE 32" CLEAR OPENING.

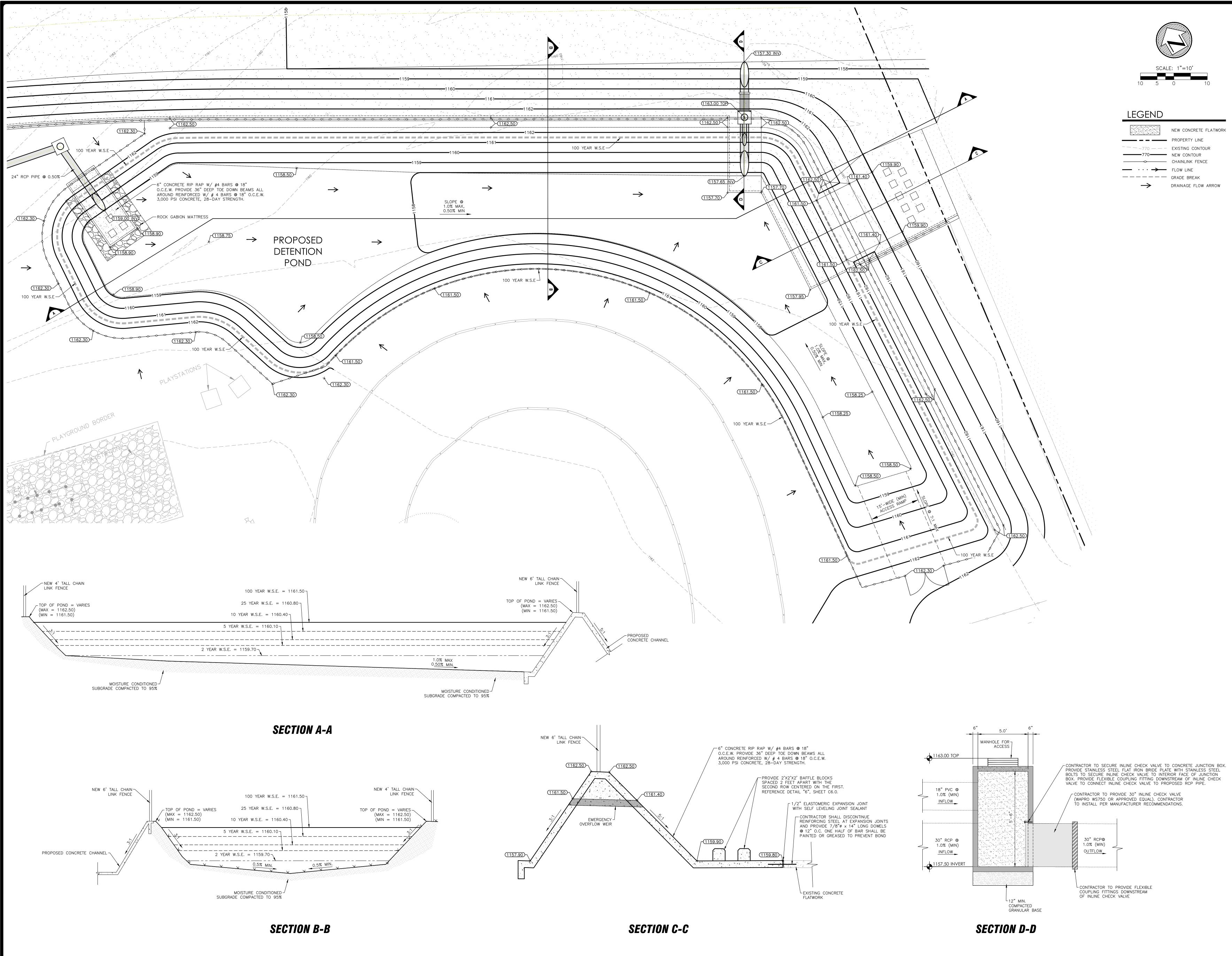




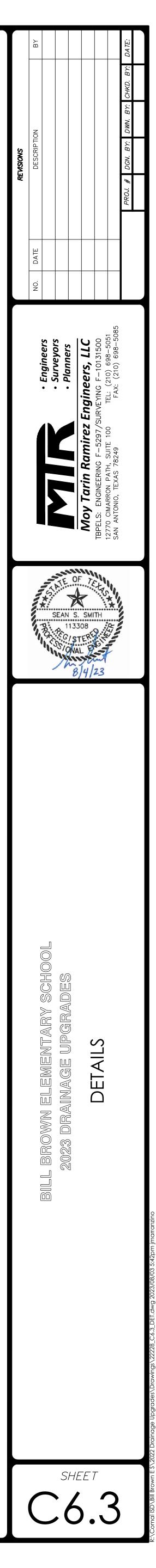


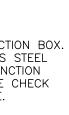












### ATTACHMENT N

#### INSPECTION, MAINTENANCE, REPAIR AND RETROFIT PLAN

#### ENGINEERED VEGETATIVE FILTER STRIPS

Once a vegetated area is well established, little additional maintenance is generally necessary. The key to establishing a viable vegetated feature is the care and maintenance it receives in the first few months after it is planted. Once established, all vegetated BMPs require some basic maintenance to ensure the health of the plants including:

• Pest Management. An Integrated Pest Management (IPM) Plan should be developed for vegetated areas. This plan should specify how problem insects and weeds will be controlled with minimal or no use of insecticides and herbicides.

• Seasonal Mowing and Lawn Care. If the filter strip is made up of turf grass, it should be mowed as needed to limit vegetation height to 18 inches, using a mulching mower (or removal of clippings). If native grasses are used, the filter may require less frequent mowing, but a minimum of twice annually. Grass clippings and brush debris should not be deposited on vegetated filter strip areas. Regular mowing should also include weed control practices; however, herbicide use should be kept to a minimum (Urbonas et al., 1992). Healthy grass can be maintained without using fertilizers because runoff usually contains sufficient nutrients. Irrigation of the site can help assure a dense and healthy vegetative cover.

• Inspection. Inspect filter strips at least twice annually for erosion or damage to vegetation; however, additional inspection after periods of heavy runoff is most desirable. The strip should be checked for uniformity of grass cover, debris and litter, and areas of sediment accumulation. More frequent inspections of the grass cover during the first few years after establishment will help to determine if any problems are developing, and to plan for long-term restorative maintenance needs. Bare spots and areas of erosion identified during semi-annual inspections must be replanted and restored to meet specifications. Construction of a level spreader device may be necessary to reestablish shallow overland flow.

• Debris and Litter Removal. Trash tends to accumulate in vegetated areas, particularly along highways. Any filter strip structures (i.e., level spreaders) should be kept free of obstructions to reduce floatables being flushed downstream, and for aesthetic reasons.

The need for this practice is determined through periodic inspection, but should be performed no less than 4 times per year.

• Sediment Removal. Sediment removal is not normally required in filter strips, since the vegetation normally grows through it and binds it to the soil. However, sediment may accumulate along the upstream boundary of the strip preventing uniform overland flow. Excess sediment should be removed by hand or with flat-bottomed shovels.

• Grass Reseeding and Mulching. A healthy dense grass should be maintained on the filter strip. If areas are eroded, they should be filled, compacted, and reseeded so that the final grade is level. Grass damaged during the sediment removal process should be promptly replaced using the same seed mix used during filter strip establishment. If possible, flow should be diverted from the damaged areas until the grass is firmly established. Bare spots and areas of erosion identified during semi-annual inspections must be replanted and restored to meet specifications. Corrective maintenance, such as weeding or replanting should be done more frequently in the first two to three years after installation to ensure stabilization. Dense vegetation may require irrigation immediately after planting, and during particularly dry periods, particularly as the vegetation is initially established.

#### RECORD KEEPING

Maintenance and inspection records should be kept on file by the Owner of the permanent BMPs for a period of at least three (3) years. Repair and retrofit records should be kept on file by the Owner of the permanent BMPs for a period of at least five (5) years.

TREWT DEWATERS Print Name

Signature of Applicant/Owner/Agent

6-2-2023 Date

# **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: Sean Smith, P.E.

Date: 8/3/2023

Signature of Customer/Agent:

Regulated Entity Name: COMAL ISD BILL BROWN ELEMENTARY SCHOOL

## **Project Information**

## Potential Sources of Contamination

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

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

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

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

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

Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.

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

## Sequence of Construction

5. Attachment C - Sequence of Major Activities. A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.

For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.

- For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: <u>Headwaters Cibolo Creek</u>

## Temporary Best Management Practices (TBMPs)

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

7. X 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:

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There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.

- 11. Attachment H Temporary Sediment Pond(s) Plans and Calculations. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
  - 🛛 N/A
- 12. Attachment I Inspection and Maintenance for BMPs. A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
- 13. All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
- 14. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
- 15. Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
- 16. 🖂 Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

# Soil Stabilization Practices

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

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

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

## Administrative Information

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

#### ATTACHMENT A SPILL RESPONSE ACTIONS

- 1. Housekeeping
  - A. Minimize materials: An effort will be made to store only enough materials required to do the job.
  - B. Storage: All materials stored on site will be stored in a neat, orderly manner in their appropriate containers in a covered area. If storage in a covered area is not feasible, then the materials will be covered with polyethylene or polypropylene sheeting to protect them from the elements.
  - C. Labeling: Products will be kept in their original containers with the original manufacturer's label affixed to each container.
  - D. Mixing: Substances will not be mixed with one another unless this is recommended by the manufacturer.
  - E. Disposal: Whenever possible, all of a product will be used prior to disposal of the container. Manufacturer's recommendations will be followed for proper use and disposal of materials on site.
  - F. Inspections: The site superintendent will inspect the site daily to ensure proper use and disposal of materials on site.
  - G. Spoil Materials: Any excavated earth that will not be used for fill material and all demolished pavement will be hauled off site immediately and will be disposed of properly, in accordance with all applicable state/local regulations.
- 2. Product Specific Practices
  - A. Petroleum Products: All on site vehicles will be monitored for leaks and will receive regular preventive maintenance to reduce the chance of leakage. If petroleum products will be present at the site, then they will be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used on site will be applied according to the manufacturer's recommendations.
  - B. Concrete Trucks: Ready/Transit Mix Trucks will not be allowed to wash out or discharge surplus concrete or drum wash water except in the designated location on site as shown on the SWPPP site plan.
  - C. Paints: All containers will be tightly sealed and stored when not required for use. Excess paint will not be poured into storm sewer system or drainage channels, but will be properly disposed of according to manufacturers' instructions or state/local regulations.

- D. Fertilizers: Fertilizers will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. The fertilizer will be stored in a covered area, and any partially used bags will be transferred to a sealable plastic bin to avoid spills.
- 3. Spill Control and Response Measures

A spill prevention and response team will be designated by the site superintendent. In addition, the following practices will be followed for spill cleanup:

- A. Information: Manufacturers' recommended methods for spill cleanup will be clearly posted, and site personnel will be made aware of the procedures and location of the information and cleanup supplies.
- B. Equipment: Materials and equipment necessary for spill cleanup will be present on the site at all times. Equipment and materials will include, but not be limited to brooms, shovels, rags, gloves, goggles, absorbent materials (sand, sawdust, etc.) and plastic or metal trash containers specifically designed for this purpose. The materials and equipment necessary for spill cleanup will be dependent upon the nature and quantity of the material stored on site.
- C. Response: All spills will be cleaned up immediately upon discovery. <u>Cleanup</u>

(1) Clean up leaks and spills immediately

(2) Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.

(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in TCEQ Technical Guidance Manual RG-348 for specific information.

### **Minor Spills**

(1) Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.

(2) Use absorbent materials on small spills rather than hosing down or burying the spill

(3) Absorbent materials should be promptly removed and disposed of properly.

- (4) Follow the practice below for a minor spill:
- (5) Contain the spread of the spill.
- (6) Recover spilled materials.

(7) Clean the contaminated area and properly dispose of contaminated materials.

### Semi-Significant Spills

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

Spills should be cleaned up immediately:

(1) Contain spread of the spill.

(2) Notify the project foreman immediately.

(3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.

(4) If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.

(5) If the spill occurs during rain, cover the spill with tarps or other material to prevent contaminating runoff.

### Significant/Hazardous Spills

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

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

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

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

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

### D. Vehicle and Equipment Maintenance

(1) If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.

(2) Regularly inspect onsite vehicles and equipment for leaks and repair immediately.

(3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.

(4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.

(5) Place drip pans or absorbent materials under paving equipment when not in use.

(6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.

(7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.

(8) Oil filters disposed of in trash cans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can be recycled. Ask the oil supplier or recycler about recycling oil filters.

(9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

### E. Vehicle and Equipment Fueling

(1) If fueling must occur onsite, use designated areas, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.

(2) Discourage "topping off" of fuel tanks.

(3) Always use secondary containment, such as a drain pan, when fueling to catch spills/leaks.

- F. Safety: The spill area will be kept well ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with hazardous substances.
- G. Reporting: Spills of toxic or hazardous material (if present on site) will be reported to the appropriate state or local government agency, regardless of the spill's size.
- H. Record Keeping: The spill prevention plan will be modified to include measures to prevent this type of spill from recurring as well as improved methods for cleaning up any future spills. A description of each spill, what caused it, and the cleanup measures used will be kept with this plan.

#### ATTACHMENT B POTENTIAL SOURCES OF CONTAMINATION

- **Potential Source** Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle dripping.
- Preventive Measure Vehicle maintenance, when possible, will be performed within a construction staging area specified by the General Contractor.
- Potential Source Miscellaneous trash and litter from construction workers and material wrappings.
- Preventive Measure Trash containers will be placed throughout the site to encourage proper trash disposal.
- **Potential Source** Construction debris.
- Preventive Measure Construction debris will be monitored daily by contractor. Debris will be collected weekly and placed in disposal bins. Situations requiring immediate attention will be addressed on a case by case basis.
- **Potential Source** Stormwater contamination from excess application of fertilizers, herbicides and pesticides.
- Preventive Measure Fertilizers, herbicides and pesticides will be applied only when necessary and in accordance with manufacturers directions.
- **Potential Source** Soil and mud from construction vehicle tires as they leave the site.
- Preventive Measure A stabilized construction exit shall be utilized as vehicles leave the site. Any soil, mud, etc. carried from the project onto public roads shall be cleaned up within 24 hours.
- **Potential Source** Sediment from soil, sand, gravel and excavated materials stockpiled on site.

Preventive Measure Silt fence shall be installed on the downgradient side of all stockpiled materials. Reinforced rock berms shall be installed at all downstream discharge locations.

### ATTACHMENT C SEQUENCE OF MAJOR ACTIVITIES

### **Construction Sequencing**

- A. Installation of temporary BMPs as shown on the CZP Site Plan. Silt fence will be placed along the down gradient boundary.
- B. Demolition and grading.
- C. Seeding and soil stabilization.

#### ATTACHMENT D TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

#### **Description of Temporary Best Management Practices:**

Vegetation will be used as a temporary stabilization technique for all areas disturbed by construction, not covered in pavement, buildings, or other structures.

#### Sequence of installation during construction process for each phase of construction:

Vegetation as a temporary control will only be utilized in the event a disturbed area has been left denuded for more than 14 days.

#### Up gradient storm water flowing across the site:

There is minimum upgradient flow entering the construction area. All upgradient flow will be treated along with the stormwater generated onsite.

#### Onsite storm water flowing across and off the site:

The storm water originating onsite and flowing off the site will be treated through temporary BMPs. Silt fences will be installed at all locations where non-concentrated storm water exits the site.

#### Prevention of pollutants from entering surface streams, sensitive features and the aquifer:

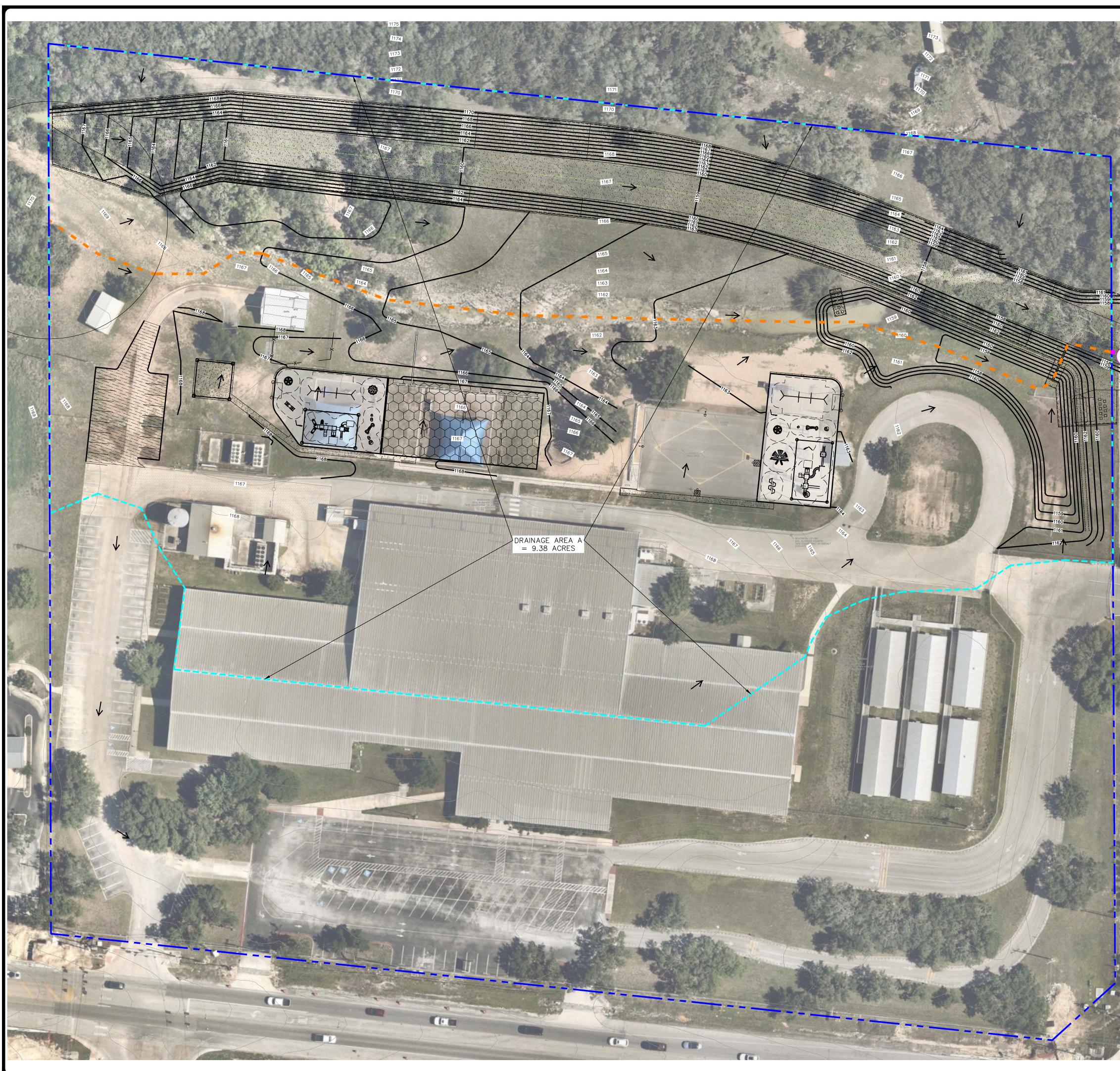
The storm water originating onsite and flowing off the site will be treated using temporary BMPs prior to it entering surface streams, sensitive features and the aquifer. Silt fences will be installed at all locations where non-concentrated storm water may leave the site. These silt fences should filter the storm water prior to it leaving the site.

#### Maintaining flow to naturally-occurring sensitive features:

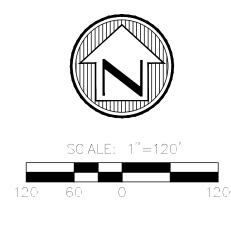
The storm water originating onsite and flowing off the site will continue to flow into the down gradient receiving waters. Any sensitive features downstream will continue to receive flow originating on the site. Prior to the flow leaving the site, it will be treated through temporary BMPs. These temporary BMPs should remove sediment, pollutants and debris if installed and maintained properly.

### ATTACHMENT F STRUCTURAL PRACTICES

Vegetation will be used as a temporary stabilization technique for all areas disturbed by construction, not covered by pavement, buildings, or other structures. Temporary stabilization shall consist of temporary seeding of disturbed areas that are denuded beyond 14 days without construction restart within 21 days. As a temporary control, the vegetation will be used to stabilize barren areas that are inactive for long periods of time.



al ISD\Bill Brown E S\2023 CZP\Drawings\Attachment G - Drainage Area Map.d



# LEGEND

 $\rightarrow$ 

SITE BOUNDARY DRAINAGE AREA BOUNDARY TIME OF CONCENTRATION EXISTING CONTOURS PROPOSED CONTOURS CALCULATION POINT

FLOW ARROWS

# EXISTING DRAINAGE CALCULATIONS

|            | EXISTING CONDITIONS Q CALCULATION |                |         |             |               |                |                |             |              |               |
|------------|-----------------------------------|----------------|---------|-------------|---------------|----------------|----------------|-------------|--------------|---------------|
| PT.<br>NO. | AREA OF<br>ACCUMULATION           | TOTAL<br>ACRES | C-VALUE | Tc<br>(min) | l5<br>(in/hr) | l25<br>(in/hr) | 100<br>(in/hr) | Q5<br>(cfs) | Q25<br>(cfs) | Q100<br>(cfs) |
| 1          | A                                 | 9.38           | 0.61    | 20.75       | 4.50          | 6.27           | 7.91           | 25.65       | 35.73        | 45.11         |

# PROPOSED DRAINAGE CALCULATIONS

|            | PROPOSED/ULTIMATE CONDITIONS Q CALCULATION |                |         |             |               |                |                 |             |              |               |
|------------|--|----------------|---------|-------------|---------------|----------------|-----------------|-------------|--------------|---------------|
| PT.<br>NO. | AREA OF<br>ACCUMULATION                    | TOTAL<br>ACRES | C-VALUE | Tc<br>(min) | l5<br>(in/hr) | 125<br>(in/hr) | 1100<br>(in/hr) | Q5<br>(cfs) | Q25<br>(cfs) | Q100<br>(cfs) |
| 1          | A  | 9.38           | 0.75    | 20.75       | 4.50          | 6.27           | 7.91            | 31.71       | 44.17        | 55.76         |



SHEET

### ATTACHMENT I INSPECTION AND MAINTENANCE FOR BMPS

#### Silt Fence

- 1. Inspect all fencing <u>weekly</u>, and after any rainfall.
- 2. Remove sediment when buildup reaches 6 inches, or install a second line of fencing parallel to the old fence.
- 3. Replace any torn fabric or install a second line of fencing parallel to the torn section.
- 4. Replace or repair any sections crushed or collapsed in the course of construction activity.

### **Bagged Gravel Inlet Filter**

- 1. Inspections should be made weekly and after each rainfall. Repair or replacement should be made promptly as needed by contractor.
- Remove sediment when buildup reaches a depth of 3 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not erode.
- 3. Check placement of device to prevent gaps between device and curb.
- 4. Inspect filter fabric and patch or replace if torn or missing.
- 5. Structures should be removed and the area stabilized only after the remaining drainage area has been properly stabilized.
- 6.

### <u>Rock Berm</u>

- 1. Inspections should be made weekly and after each rainfall by the responsible party.
- 2. Remove sediment and other debris when buildup reaches 6 inches and dispose of the accumulated silt in an approved manner.
- 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.

## CISD BILL BROWN ELEMENTARY SCHOOL

## **Responsible Party Form**

| Pollution<br>Prevention<br>Measure   |  | ф<br>р    | Corrective Action |                   |  |  |
|--------------------------------------|--|-----------|-------------------|-------------------|--|--|
|                                      |  | Inspected | Description       | Date<br>Completed |  |  |
|                                      | Inspections  |           |                   |                   |  |  |
| nce                                  | Fencing  |           |                   |                   |  |  |
| Silt Fence                           | Sediment Removal   |           |                   |                   |  |  |
| Torn Fabric                          |  |           |                   |                   |  |  |
|                                      | Crushed/Collapsed Fencing  |           |                   |                   |  |  |
| ed<br>t el                           | Inspections  |           |                   |                   |  |  |
| Bagged<br>Gravel<br>Inlet<br>Filters | Replaced/Reshaped  |           |                   |                   |  |  |
| H D B                                | Silt Removed   |           |                   |                   |  |  |
|                                      | Inspections  |           |                   |                   |  |  |
| n k                                  | Remove sediment and Debris   |           |                   |                   |  |  |
| eri                                  | XON     Remove sediment and Debris       Repair any loose wire sheathing       Reshaping |           |                   |                   |  |  |
| BR                                   | Reshaping  |           |                   |                   |  |  |
|                                      | Replaced   |           |                   |                   |  |  |

Inspector's Name

Inspector's Signature

Name of Owner/Operator

Date

Note: Inspector is to attach a brief statement of his qualifications to this report.

#### ATTACHMENT J SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14<sup>th</sup> day after construction activity temporarily or permanently ceases is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 21 days, temporary stabilization measures do not have to be initiated on that portion of the 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 seasonal arid conditions, stabilization measures shall be initiated as soon as practicable of stabilization measures by the 14<sup>th</sup> day after construction activity has temporarily or permanently ceased is precluded by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

Temporary stabilization shall consist of temporary seeding of disturbed areas that are denuded beyond 14 days without construction restart within 21 days.

As pad sites (buildings, sidewalks and pavement) are completed, permanent landscaping and sod shall be planted and irrigated. Curb and gutter will direct runoff into the permanent water quality basin.

Temporary vegetation stabilization techniques shall be in accordance with the TCEQ Technical Guidance Manual RG-248 (*Complying with the Edwards Aquifer Rules – Technical Guidance on Best Management Practices*), Chapter 1 Temporary Best Management Practices, Section 1.3.8 Temporary Vegetation, as follows:

#### **Temporary Vegetation**

Vegetation is used as a temporary or permanent stabilization technique for areas disturbed by construction, but not covered by pavement, buildings, or other structures. As a temporary control, vegetation can be used to stabilize stockpiles and barren areas that are inactive for long periods of time.

Vegetative techniques can and should apply to every construction project with few exceptions. Vegetation effectively reduces erosion in swales, stockpiles, berms, mild to medium slopes, and along roadways.

Other techniques may be required to assist in the establishment of vegetation. These other techniques include erosion control matting, mulches, surface roughening, swales and dikes to direct runoff around newly seeded areas, and proper grading to limit runoff velocities during construction. (NCTCOG, 1993b)

#### Materials:

The type of temporary vegetation used on a site is a function of the season and the availability of water for irrigation. For areas that are not irrigated, the year can be divided into two temporary planting seasons and one season for planting of permanent warm weather groundcovers. These periods are shown in Figure 1-19 for Bexar, Comal, Kinney, Medina, and Uvalde Counties. Appropriate temporary vegetation for these areas is shown in Table 1-4.

Other vegetation may perform as well as the recommended varieties, especially where irrigation is available. County agricultural extension agents are a good source for suggestions for other types of temporary vegetation. All seed should be high quality, U.S. Dept. of Agriculture certified seed.

#### Installation:

(1) Interim or final grading must be completed prior to seeding, minimizing all steep slopes. In addition, all necessary erosion structures such as dikes, swales, and diversions, should also be installed.

(2) Seedbed should be well pulverized, loose, and uniform.

(3) Fertilizer should be applied at the rate of 40 pounds of nitrogen and 40 pounds of phosphorus per acre, which is equivalent to about 1.0 pounds of nitrogen and phosphorus per 1000 square feet. Compost can be used instead of fertilizer and applied at the same time as the seed.

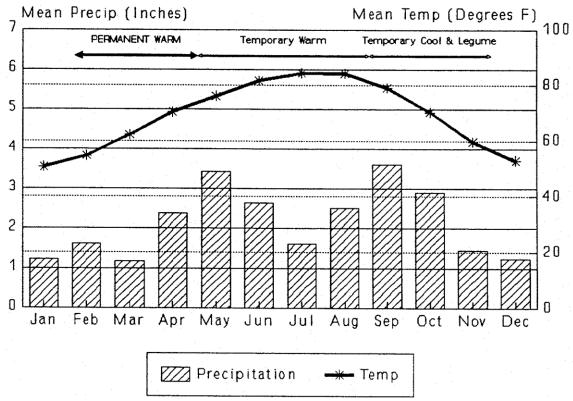


Figure 1-19 Planting Dates for Bexar, Comal, Kinney, Medina, and Uvalde Counties (Northcutt, 1993)

Table 1-4 Temporary Seeding for Bexar, Comal, Kinney, Medina, and UvaldeCounties (Northcutt, 1993)

| Dates            | Climate               | Species (lb/ac) |      |
|------------------|-----------------------|-----------------|------|
| Sept 1 to Nov 30 | Temporary Cool Season | Tall Fescue     | 4.0  |
|                  |                       | Oats            | 21.0 |
|                  |                       | Wheat (Red,     | 20.0 |
|                  |                       | Winter)         | 30.0 |
|                  |                       | Total           | 55.0 |
| Sept 1 to Nov 30 | Cool Season Legume    | Hairy Vetch     | 8.0  |
| May 1 to Aug 31  | Temporary Warm Season | Foxtail Millet  | 30.0 |

(4) Seeding rates should be as shown in Table 1-4 or as recommended by the county agricultural extension agent.

(5) The seed should be applied uniformly with a cyclone seeder, drill, cultipacker seeder or hydroseeder (slurry includes seed, fertilizer and binder).

(6) Slopes that are steeper than 3:1 should be covered with appropriate soil stabilization matting as described in the following section to prevent loss of soil and seed.

### Irrigation:

Temporary irrigation should be provided according to the schedule described below, or to

replace moisture loss to evapotranspiration (ET), whichever is greater. Significant rainfall (on-site rainfall of  $\frac{1}{2}$ " or greater) may allow watering to be postponed until the next scheduled irrigation.

| Time Period  | Irrigation Amount and Frequency  |
|--|--|
| Within 2 hours of installation   | Irrigate entire root depth, or to germinate seed   |
| During the next 10 business days                                       | Irrigate entire root depth every Monday,<br>Wednesday, and Friday                                      |
| During the next 30 business<br>days or until Substantial<br>Completion | Irrigate entire root depth a minimum of once<br>per week, or as necessary to ensure vigorous<br>growth |
| During the next 4 months or<br>until Final Acceptance of the           | Irrigate entire root depth once every two<br>weeks,<br>or as necessary to ensure vigorous growth       |
| Project  |  |

If cool weather induces plant dormancy, water only as necessary to maintain plant health.

Irrigate in a manner that will not erode the topsoil but will sufficiently soak the entire depth of roots.

### Inspection and Maintenance Guidelines:

(1) Temporary vegetation should be inspected weekly and after each rain event to locate and repair any erosion.

(2) Erosion from storms or other damage should be repaired as soon as practical by regrading the area and applying new seed.

(3) If the vegetated cover is less than 80%, the area should be reseeded.

### Agent Authorization Form

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

| 1               | Alex Araujo<br>Print Name   | ,  |
|-----------------|---|----|
|                 | Executive Director Construction & Planning<br>Title - Owner/President/Other | _, |
| of              | Comal Independent School District<br>Corporation/Partnership/Entity Name    | ب  |
| have authorized | Moy Tarin Ramirez Engineers, LLC<br>Print Name of Agent/Engineer            | _  |
| of              | Moy Tarin Ramirez Engineers, LLC<br>Print Name of Firm                      |    |

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

I also understand that:

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

| SIGNATURE PAGE        |  |
|-----------------------|--|
| Applicant's Signature |  |

3/31/22

THE STATE OF TEXUS § County of COMal §

ALEX Araujo known BEFORE ME, the undersigned authority, on this day personally appeared \_\_\_\_ to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this <u>31st</u> day of <u>March</u>, <u>2022</u>.



ASHLEY MARIE NAJVAR Notary Public, State of Texas My Commission Expires August 20, 2025 NOTARY ID 13328207-1

Ushley Najim NOTARY PUBLIC AShley Navar Typed or Rrinted Name of Notary

MY COMMISSION EXPIRES: 08/20/2026

# **Application Fee Form**

| Texas Commission on Environmental Quality<br>Name of Proposed Regulated Entity: <u>CISD BILL BROWN ELEMENTARY SCHOOL</u> |   |                       |                        |  |  |  |  |  |  |  |
|--|---|-----------------------|------------------------|--|--|--|--|--|--|--|
| Regulated Entity Location: <u>20410 TX-46, Spring Branch, TX 78070</u>   |   |                       |                        |  |  |  |  |  |  |  |
| Name of Customer: <u>Comal ISD</u><br>Contact Person: <u>Jeffrey Smith</u>   | Pho   | ne: (830) 221-2000    |                        |  |  |  |  |  |  |  |
| Customer Reference Number (if issued):CN 600249825   |   |                       |                        |  |  |  |  |  |  |  |
| Regulated Entity Reference Number (if issued):RN 106455629   |   |                       |                        |  |  |  |  |  |  |  |
| Austin Regional Office (3373)  |   |                       |                        |  |  |  |  |  |  |  |
| Hays Travis Williamson   |   |                       |                        |  |  |  |  |  |  |  |
| San Antonio Regional Office (3362)   |   |                       |                        |  |  |  |  |  |  |  |
| Bexar  | Medina  |                       | valde                  |  |  |  |  |  |  |  |
| <br>  Comal  | <br>Kinney  |                       |                        |  |  |  |  |  |  |  |
| Application fees must be paid by c   |   | or money order, payab | le to the <b>Texas</b> |  |  |  |  |  |  |  |
| Commission on Environmental Qu   |   |                       |                        |  |  |  |  |  |  |  |
| form must be submitted with you  | r fee payment. This p   | ayment is being subm  | itted to:              |  |  |  |  |  |  |  |
| Austin Regional Office   |   |                       |                        |  |  |  |  |  |  |  |
| Mailed to: TCEQ - Cashier  |   | Vernight Delivery to: |                        |  |  |  |  |  |  |  |
| Revenues Section   |   | 12100 Park 35 Circle  |                        |  |  |  |  |  |  |  |
| Mail Code 214  |   | Building A, 3rd Floor |                        |  |  |  |  |  |  |  |
| P.O. Box 13088   |   | Austin, TX 78753      |                        |  |  |  |  |  |  |  |
| Austin, TX 78711-3088  | (.  | 512)239-0357          |                        |  |  |  |  |  |  |  |
| Site Location (Check All That Apply  | y):   |                       |                        |  |  |  |  |  |  |  |
| Recharge Zone  | Contributing Zone   | 🗌 Transi              | tion Zone              |  |  |  |  |  |  |  |
| Type of Plan   |   | Size                  | Fee Due                |  |  |  |  |  |  |  |
| Water Pollution Abatement Plan, C  | •   |                       |                        |  |  |  |  |  |  |  |
| Plan: One Single Family Residential  |   | Acres                 | \$                     |  |  |  |  |  |  |  |
| Water Pollution Abatement Plan, C  |   |                       |                        |  |  |  |  |  |  |  |
| Plan: Multiple Single Family Reside  | the second se | Acres                 | \$                     |  |  |  |  |  |  |  |
| Water Pollution Abatement Plan, C  | Contributing Zone   | 17 256 4              | A C 500 00             |  |  |  |  |  |  |  |
| Plan: Non-residential  | 17.256 Acres \$ 6,500.00  |                       |                        |  |  |  |  |  |  |  |
| Sewage Collection System<br>Lift Stations without sewer lines  | L.F.  | \$                    |                        |  |  |  |  |  |  |  |
| Underground or Aboveground Stor  | Acres   | \$                    |                        |  |  |  |  |  |  |  |
| Piping System(s)(only)   | Tanks \$<br>Each \$   |                       |                        |  |  |  |  |  |  |  |
| Exception  |   | Each<br>Each          | \$                     |  |  |  |  |  |  |  |
| Extension of Time  |   | Each                  | \$                     |  |  |  |  |  |  |  |
| 1 1  | /   |                       |                        |  |  |  |  |  |  |  |

Signature: \_\_\_\_\_ Date: <u>08/03/2023</u>

# **Application Fee Schedule**

**Texas Commission on Environmental Quality** 

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

## Water Pollution Abatement Plans and Modifications

### Contributing Zone Plans and Modifications

| Project   | Project Area in<br>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 |



# **TCEQ Core Data Form**

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

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

|   |                     | <b>sion</b> (If other is c                                     |                    |                      |                |          | ,                                     |                                    |            |             |                    |                   |          |
|---|---------------------|--|--------------------|----------------------|----------------|----------|---------------------------------------|------------------------------------|------------|-------------|--------------------|-------------------|----------|
| New Pe  | rmit, Regis         | stration or Authori  | zation (Core       | Data Fo              | rm should b    | e subn   | nitted wit                            | h the p                            | rogram a   | application | n.)                |                   |          |
| 🗌 Renewa  | l (Core Da          | ata Form should b  | e submitted v      | vith the l           | renewal fori   | n)       | Other                                 |                                    |            |             |                    |                   |          |
| 2. Customer Reference Number (if issued) Folio  |                     |  |                    |                      | this link to s |          | 3. Reg                                | ulated                             | Entity R   | eference    | e Number <i>(i</i> | if issued)        |          |
| CN 6002   |                     | for CN or RN numbers in<br>Central Registry**         RN 10645 |                    |                      |                | 55629    |                                       |                                    |            |             |                    |                   |          |
| SECTION   | II: Cu              | stomer Info  | ormation           |                      |                |          |                                       |                                    |            |             |                    |                   |          |
| 4. General Customer Information         5. Effective Date for Customer Information Updates (mm/dd/yyyy) |                     |  |                    |                      |                |          |                                       |                                    |            |             |                    |                   |          |
| New Cust  |                     | me (Verifiable wit   |                    | •                    | to Custome     |          |                                       | ollor of                           |            | •           | Regulated E        | Entity Ownership  | 2        |
|   | -                   | ne submitted   |                    |                      |                |          |                                       |                                    |            |             | rront and          | activo with t     | tho      |
|   |                     | f State (SOS)  | -                  | -                    |                |          | •                                     |                                    |            | il is cui   | ient anu           |                   | .iie     |
|   | -                   | me (If an individual   |                    | •                    |                |          |                                       | •                                  | ,          | ntor provi  | ous Custome        | or bolow:         |          |
| o. customer   | Leyal Na            |  | i, print last han  | ie ilisi. eg         | y. Doe, John,  | /        | <u>" "</u>                            |                                    |            | niei pievi  | ous custonie       |                   |          |
|   |                     |  |                    |                      |                |          |                                       |                                    |            |             | _                  |                   |          |
| 7. TX SOS/C   | PA Filing           | Number   | 8. TX State        | e Tax ID (11 digits) |                |          | 9.                                    | 9. Federal Tax ID (9 digits) 10. D |            |             |                    | S Number (if appl | licable) |
| ļ   |                     |  |                    |                      |                |          |                                       |                                    |            |             |                    |                   |          |
| 11. Type of C   | Customer:           | : Corporati  | ion                |                      | 🗌 Indivi       | dual     | Partnership: 🔲 General 🗌 Limited      |                                    |            |             |                    |                   |          |
| Government:   | City                | County 🗌 Federal 🗌   | ] State 🗌 Othe     | r                    | Sole Sole      | Proprie  | etorship                              |                                    | Other:     |             |                    |                   |          |
| 12. Number  |                     |  |                    |                      |                |          | 13. Independently Owned and Operated? |                                    |            |             |                    |                   |          |
| 0-20  | 21-100              | 101-250  | 251-500            |                      | 501 and hig    |          |                                       | Yes                                |            | ∐ No        |                    |                   |          |
|   | e <b>r Role</b> (Pr | oposed or Actual) -  | - as it relates to | o the Reg            | ulated Entity  | listed o | n this for                            | n. Pleas                           | se check o | one of the  | following          |                   |          |
| Owner   |                     | Operat   |                    |                      | Owner          |          |                                       |                                    |            |             |                    |                   |          |
| Occupatio   | nal Licens          | ee 🔄 Respo   | onsible Party      |                      |                | ary Clea | anup App                              | olicant                            |            | )ther:      |                    |                   |          |
|   |                     |  |                    |                      |                |          |                                       |                                    |            |             |                    |                   |          |
| 15. Mailing<br>Address:   |                     |  |                    |                      |                |          |                                       |                                    |            |             |                    |                   |          |
|   | City                |  |                    | St                   | tate           |          | ZIP                                   |                                    |            |             | ZIP + 4            |                   |          |
| 16. Country Mailing Information (if outside USA) 17. E-Mail Address (if applicable)                     |                     |  |                    |                      |                |          |                                       |                                    |            |             |                    |                   |          |
|   |                     |  |                    |                      |                |          |                                       |                                    |            |             |                    |                   |          |
| 18. Telephor  | ne Numbe            | r  |                    | 19. Ex               | tension or     | Code     |                                       |                                    | 20. Fax    | ( Numbe     | r (if applicat     | ble)              |          |
| ( )   | -                   |  |                    |                      |                |          |                                       |                                    | (          | )           | -                  |                   |          |
|   |                     |  |                    |                      |                |          |                                       |                                    |            |             |                    |                   |          |

### **SECTION III: Regulated Entity Information**

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

 New Regulated Entity
 Update to Regulated Entity Name

 Update to Regulated Entity
 Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

CISD BILL BROWN ELEMENTARY SCHOOL

|   | [                  |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |
|---|--------------------|--|-----------------|--------------------|--------------------------|-------------------------|----------|-------------|-------------------------|----------------------------|--------|------------------|
| 23. Street Address of   | 20410              | ТХ-46                                      |                 |                    |                          |                         |          |             |                         |                            |        |                  |
| the Regulated Entity:   |                    |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |
| (No PO Boxes)   | City               | SpringBran                                 | nch             | State              | TX                       | ZI                      | Р        | 7807        | 0                       | ZIP                        | +4     |                  |
| 24. County  | Comal              |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |
|   | 1                  | Enter Physical L                           | ocatio          | n Description      | if no st                 | eet a                   | ddress   | is provi    | ded.                    |                            |        |                  |
| 25. Description to<br>Physical Location: HWY 46 W OF HWY 281    |                    |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |
| 26. Nearest City  |                    |  |                 |                    |                          |                         |          | State       |                         | -                          | Nea    | rest ZIP Code    |
| Spring Branch   | ch TX 78070        |  |                 |                    |                          |                         |          |             |                         | 070                        |        |                  |
| 27. Latitude (N) In Decim                                       | nal:               | 29.7995305                                 |                 | 28.                | Long                     | itude (                 | W) In De | cimal:      | 98.42                   | 448                        | 333    |                  |
| Degrees   | Minutes            |  | Second          | S                  | Degr                     | ees                     |          | Ν           | linutes                 |                            |        | Seconds          |
| 29  |                    | 47   |                 | 58.31              |                          |                         | 98       |             | 2                       | 25                         |        | 28.14            |
| 29. Primary SIC Code (4   | digits) <b>30.</b> | Secondary SIC                              | Code (          | 4 digits)          | 31. Prima<br>(5 or 6 dig |                         | AICS C   | ode         | <b>32. Se</b> (5 or 6 d |                            | / NAI  | CS Code          |
| 8211  |                    |  |                 |                    | 611110                   | )                       |          |             |                         |                            |        |                  |
| 33. What is the Primary I                                       | Business o         | of this entity?                            | (Do not r       | epeat the SIC or I | VAICS des                | cription.               | )        |             |                         |                            |        |                  |
| Elementary School   |                    |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |
|   |                    |  |                 |                    | 204                      | 10 TX                   | -46      |             |                         |                            |        |                  |
| 34. Mailing   |                    |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |
| Address:  | City               | Spring Brand                               | ch              | State              | тх                       |                         | ZIP      | 78          | 3070                    | ZIP                        | 4      |                  |
| 35. E-Mail Address:   |                    |  |                 | jeff               | rey.smit                 | h@co                    | malisc   | l.org       |                         |                            |        |                  |
| 36. Telepho   | one Numbe          | r  | 3               | 7. Extension       | and the second second    |                         |          |             | Fax Nun                 | nber (if a                 | pplic  | able)            |
| (830)8  | 85-1400            |  |                 |                    |                          |                         |          |             | (                       | ) -                        |        |                  |
| <b>D. TCEQ Programs and ID</b><br>rm. See the Core Data Form ir | Numbers (          | Check all Programs<br>or additional guidan | and wr          | ite in the permit  | s/registrat              | ion nu                  | mbers t  | hat will be | affected b              | y the upd                  | ates s | ubmitted on this |
| Dam Safety  | District           | s  | Edwards Aquifer |                    |                          | Emissions Inventory Air |          |             | ry Air                  | Industrial Hazardous Waste |        |                  |
|   |                    |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |
| Municipal Solid Waste   | New S              | ource Review Air                           |                 | OSSF               |                          | Petroleum Storage Tank  |          |             | Tank                    |                            |        |                  |
|   |                    |  |                 |                    |                          |                         |          |             |                         |                            |        |                  |

#### **SECTION IV: Preparer Information**

Storm Water

Waste Water

| 40.<br>Name: | Sean Smith                   | , P.E.        |                | 41. Title:         | Senior Vice President |  |
|--------------|------------------------------|---------------|----------------|--------------------|-----------------------|--|
| 42. Tele     | phone Number                 | 43. Ext./Code | 44. Fax Number | 45. E-Mail Address |                       |  |
| (210)        | 210) 698-5051 (210) 698-5085 |               |                | ssmith@            | mtrengineers.com      |  |

Wastewater Agriculture

Tires

Water Rights

Used Oil

Other:

Title V Air

### **SECTION V: Authorized Signature**

**46.** By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

| Company:         | Moy Tarin Ramirez Engineers, LLC | amirez Engineers, LLC Job Title: Senior Vid |  |        |      |       |                |  |
|------------------|----------------------------------|---|--|--------|------|-------|----------------|--|
| Name (In Print): | Sean Smith, P.E.                 |   |  | Phone: | (210 | ) 698 | 3- <b>5051</b> |  |
| Signature:       | In hit                           |   |  | Date:  | 8    | 3/    | 2023           |  |

Sludge

Voluntary Cleanup