

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



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## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

June 9, 2015

Mr. William Fischer  
Brauntex Materials, Inc.  
1504 Wald Rd.  
New Braunfels, TX 78132

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: **New Braunfels Quarry**; Located on the Northwest corner of Wald Road and Landa Street; New Braunfels, Texas

TYPE OF PLAN: Request for **Approval of a Water Pollution Abatement Plan (WPAP)**; 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer

Investigation No. 1252583; Regulated Entity No. RN101060960; Additional ID No. 13-15032702

Dear Mr. Fischer:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Application for the above-referenced project submitted to the San Antonio Regional Office by Westward Environmental, Inc. on behalf of Brauntex Materials, Inc. on March 27, 2015. Final review of the WPAP was completed after additional material was received on June 2, 2015 and June 4, 2015. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were selected and prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are **hereby approved** subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

### PROJECT DESCRIPTION

The proposed limestone quarry project will have a total area of approximately 90 acres. The proposed quarry pit will eventually disturb the entire site. The proposed activities for the site include quarrying to an elevation no deeper than 644 feet above mean sea level (a.m.s.l.) and



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constructing a haul road. The pit will be excavated in 10 acre sections. No on-site sewage facility is proposed at this time. Project wastewater (domestic) will be collected in portable toilets and disposed of two times per week by a TCEQ registered waste disposal service. Trash generated on-site will be disposed of in a dumpster and handled by a licensed waste service. Blasting agents will be used in the mining process. The site will physically connect to the existing limestone quarry (New Braunfels Lime Plant) located at 350 APG Lane in New Braunfels, Comal County (RN100552454).

#### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating onsite or upgradient of the site and potentially flowing across and off the site, the various controls described below will be utilized.

- A 50 foot natural vegetated filter strip will be maintained along the perimeter of the haul road to reduce soil erosion and runoff. As quarrying progresses the proposed haul road will become part of the quarry pit.
- An earthen berm composed of compacted soil and/or overburden will be constructed around the perimeter of the property to reduce soil erosion and runoff velocities.
- Expansion of the quarry will occur in phases. The first phase where regulated activities and soil disturbance will occur in a 10 acre rectangular area adjacent to the existing quarry. As quarry expands to the next phase, another rectangular area will then be disturbed. Expansion in phases will allow vegetation to remain in place and limit the amount of soil that is disturbed at once.
- An earthen berm composed of compacted soil and/or overburden will be constructed. At the full extent of the quarry pit, the earthen berm will encircle the quarry pit. Upgradient storm water will be diverted around the site and onsite flows will be prevented from leaving the site.
- Refueling and maintenance activities for vehicles and equipment will occur off of the recharge zone to the maximum extent possible. If emergency maintenance occurs or if refueling on the recharge zone must occur, appropriate protection measures will be implemented. These measures include keeping spill containment kits, front-end loaders and haul trucks available, training equipment operators and having operators monitor equipment during the refueling operation.

#### GEOLOGY

According to the geologic assessment, included with the application, the Person Formation of the Edwards Group is exposed at the site. Nine features were evaluated by the project geologist, with three geologic features (S-6, S-8, S-9) having a sensitive rating. The San Antonio Regional Office site assessment conducted on May 14, 2015 revealed that the site was generally as described in the application.

Temporary natural buffers were proposed for three geologic sensitive features, S-6, S-8, and S-9. No regulated activities (such as construction or soil disturbing activities) will take place within the natural buffers until the area is to be excavated. The size is generally based on the drainage area for each sensitive feature. The natural buffer will extend at least 200 feet upgradient (north) of



the subsurface extent of the sensitive features. In other directions, the natural buffer will extend at least 50 feet from the subsurface extent of the sensitive features.

SPECIAL CONDITIONS

- I. The on-site quarry manager will receive annual training from a licensed professional geoscientist on feature identification and protection. Each occurrence of this training must be documented and be made available to the executive director upon request.
- II. The on-site quarry manager experienced in feature identification will conduct visual surveys of the pit to ensure adequate identification and reporting of encountered sensitive features. Visual surveys will be conducted monthly and documented on an appropriate form. Records of the documented surveys shall be kept and be made available to the executive director upon request.
- III. This approval does not authorize the construction or installation of aboveground storage tanks at the site.
- IV. The BMPs and measures proposed in the application and/or described in this approval letter must be operational prior to any soil disturbing activities within the BMP's respective drainage area.
- V. Intentional discharges of sediment laden water from regulated activities are not allowed. If dewatering becomes necessary, appropriate measures must be taken.
- VI. As proposed, no aggregate washing or other related activity that generates wastewater will be occurring. A modification to this plan must be submitted and approved before conducting aggregate washing or other related activities that generates wastewater.

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. 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 form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.
5. 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 WPAP



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and this notice of approval shall be maintained at the project location until all regulated activities are completed.

6. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, 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.
9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
13. "No well exist on site." All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and



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Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.

14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
15. 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.
16. 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.
17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.
19. 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. The regulated 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 San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
21. An Edwards Aquifer protection 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 Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.

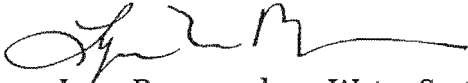


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22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

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,



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

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LMB/MR/eg

Enclosure: Deed Recordation Affidavit, Form TCEQ-0625

cc: Ms. Mary Ellen Schulle, P.E., Westward Environmental, Inc.  
Mr. Charlie Thomas, P.E., City Engineer, City of New Braunfels  
Mr. Thomas Hornseth, P.E., Comal County  
Mr. Roland Ruiz, Edwards Aquifer Authority  
TCEQ Central Records, Building F, MC 212





June 01, 2015

Texas Commission on Environmental Quality  
Region 13 Office – San Antonio  
Edwards Aquifer Protection Program  
14250 Judson Rd.  
San Antonio, TX 78233-4480

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Project No.: 10101-015

Attn: Ms. Monica Reyes

Subject: Response to Comments  
New Braunfels Quarry – RN101060960, EAPP ID 13-15032702  
Brauntex Materials, Inc. – CN600618581

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SAN ANTONIO  
REGION  
2015 JUN -2 AM 9:23

Dear Ms. Reyes,

Attached please find Westward Environmental Inc.'s (**WESTWARD'S**) response to the NOD dated May 15, 2015 regarding the Brauntex Materials, Inc. – New Braunfels Quarry WPAP application submitted March 27, 2015. Our response is as follows:

*Temporary Stormwater Section:*

1. *Attachment A: Spill Response Action. Information available in TGM RG-348, 30 TAC 327.4 and 40 CFR 302.4.*

a. *Under General Measures item (1) change timely manner to immediately.*

**Response: The above change has been made and is reflected in the attached documents.**

b. *Under Cleanup item (1) change timely manner to immediately.*

**Response: The above change has been made and is reflected in the attached documents.**

c. *Under Semi-Significant spills change timely manner to immediately.*

**Response: The above change has been made and is reflected in the attached documents.**

d. *Under Vehicle & Equipment Maintenance item (2) change timely manner to immediately.*

**Response: The above change has been made and is reflected in the attached documents.**

*Permanent Stormwater Section*

1. *Please label all Buffers as Natural Vegetated Filter Strips*

**Response: The above change has been made and is reflected in the attached documents.**

2. *Natural Vegetated Filter Strip for haul road must be a minimum length of 50 feet.*

**Response: The proposed haul road will be constructed of compacted base material, will be crowned in the center and will not exceed a width of 72 feet. For this reason, the Natural Vegetative Filter Strips which line the haul road will be a width of 25 feet. Neither Vegetative Filter Strip will be responsible for treatment of more than 36 feet of haul road.**

Office P.O. Box 2205 Boerne, TX 78006



Main 830.249.8284 | Fax 830.249.0221

Texas Registered Engineering Firm # F-4524

Texas Registered Geoscience Firm # 50112

westwardenv.com

3. *Attachment G: Inspection, Maintenance, Repair and Retrofit Plan, please add monthly inspection of natural vegetated filter until stabilized.*

**Response:** The above change has been made and is reflected in the attached documents. **Natural Vegetated Filter Strips will be inspected monthly until the Final Earthen Berms are stabilized.**

*Exhibits Comments:*

1. *Please provide a wash pond location and detail.*

**Response:** A wash pond will not be provided per our phone conversation on May 18, 2015. The haul road which extends to the southern property is included as a “possible future entrance”. Traffic will move through the “initial entry/exit” located on the western property boundary as indicated on the map. The “possible future entrance” cannot be used until after additional permitting on the land between the Brauntex property boundary and Wald Road. At that time, track out mitigation will be addressed.

2. *Please provide proposed contours and slope percent for haul road.*

**Response:** The proposed haul road is crowned, on-grade, and constructed of compacted base material. The road will follow the existing contours. A typical detail for the haul road is attached. A detail for the parking area has also been attached, and shows that stormwater which falls in the parking area will be directed to the Vegetative Filter Strips to the south and east.

**WESTWARD** will continue to serve as the technical contact for Brauntex Materials, Inc. on this project. Please ensure that **WESTWARD** is copied on all correspondence, including the final approval. If you have any other questions, or require further information, please contact our office at 830-249-8284.

Respectfully submitted,  
**WESTWARD ENVIRONMENTAL, INC.**

Mary Ellen P. Schulle, PE  
Project Manager  
TX License No. 114545 | TX Firm No. 4524

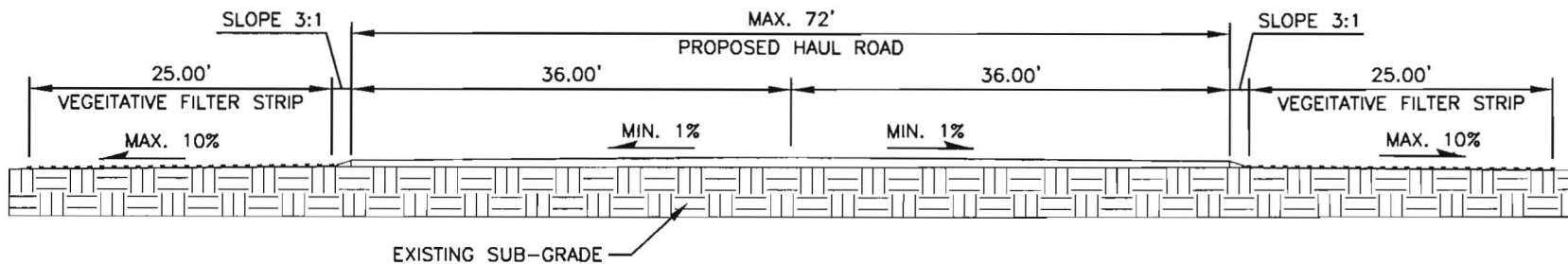
*[Handwritten signature]* 6/1/15



Attachments

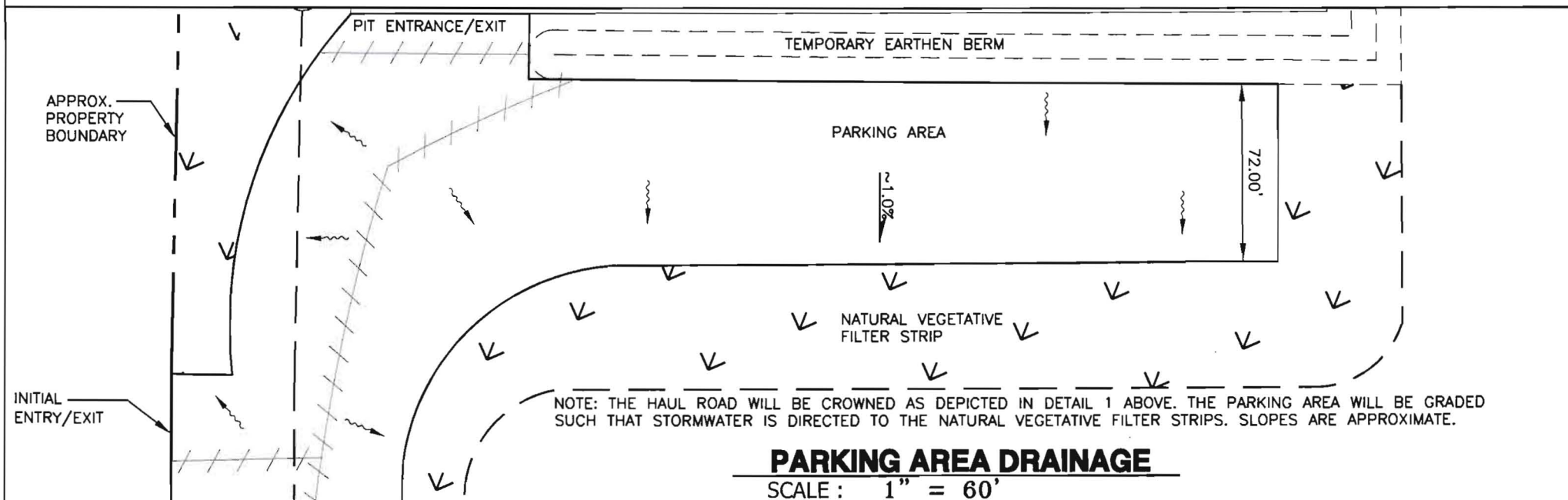
Distribution: Addressee  
Mr. William Fischer – Brauntex Materials, Inc.  
WEI 10101-015 File





### DETAIL 1 - PROPOSED HAUL RD & VEGETATIVE FILTER STRIPS

SCALE: 1" = 15'



SHEET #: <b>01</b> OF 01	IMAGE:	NONE
	ISSUE DATE:	06/01/2015
	DRAWN BY:	JJS
	CHECKED BY:	MES
	SCALE: 1" =	AS NOTED
	JOB #:	10101-015

RESPONSE TO COMMENTS			
NEW BRAUNFELS QUARRY			
BRAUNTEX MATERIALS, INC.			
1504 WALD RD. NEW BRAUNFELS, COMAL COUNTY, TX			
REV.	DESCRIPTION	BY	DATE

Mory Ellen P. Schulle, PE  
 License No. 114545

**WESTWARD**  
 Environmental Engineering, Natural Resources.  
 P.O. Box 2205 Boerne, Texas 78006  
 (830) 249-8284 Fax: (830) 249-0221  
 TBPE REG. NO.: F-4524  
 TBPG REG. NO.: 50112

**Brauntex Materials, Inc.**  
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**Temporary Stormwater Section**  
**Attachment A**

**Spill Response Actions**

**Education**

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

**General Measures**

- (1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, and substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned immediately.
- (2) Store hazardous materials and wastes in covered containers and protect from vandalism.
- (3) Place a stockpile of spill cleanup materials where it will be readily accessible.
- (4) Train employees in spill prevention and cleanup.
- (5) Designate responsible individuals to oversee and enforce control measures.
- (6) Spills should be covered and protected from stormwater run on during rainfall to the extent that it doesn’t compromise cleanup activities.
- (7) Do not bury or wash spills with water.
- (8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.



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- (9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
- (10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.
- (11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
- (12) Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

**Cleanup**

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

**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.



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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, contain the spill immediately by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- (5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

**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.

In the event of a reportable spill, the following Emergency Response Agencies can be contacted for assistance. Always inform your supervisor of a reportable spill immediately. Follow company policy when responding to an emergency.

State Emergency Response Commission	(512) 463-7727
National Response Center	(800) 424-8802
US EPA Region 6, Dallas, 24-hr Number	(866) 372-7745



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National Weather Service	(281) 337-5074
TCEQ 24-hr	(800) 832-8224
TCEQ Region 13 San Antonio	(210) 490-3096

**Vehicle and Equipment Maintenance**

- (1) If maintenance occurs on-site, use a designated area located away from drainage courses. Use BMPs such as berms, drip pans, or base pads to prevent run-on of stormwater and run-off of spills.
- (2) Regularly inspect on-site vehicles and equipment for leaks and repair in a 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 on-site.
- (4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
- (5) Place drip pans or absorbent materials under paving equipment when not in use.
- (6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
- (7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
- (8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
- (9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.
- (10) Brauntex Materials, Inc. will conduct regular vehicle and equipment on a base pad located in the fueling/parking and porta-toilet area. A mobile fuel/lube truck will be used. Emergency maintenance will occur on-site. BMPs such as berms, drip pans, and absorbent material will be used where a base pad is not feasible.

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**Vehicle and Equipment Fueling**

Equipment fueling will take place on a flex base pad located near the quarry in the fueling/parking and porta-toilet area. The flex base pad will be 1 ft. thick with a 1 ft. berm on all sides. The base pad will relocate as quarry expands. Fueling of plant equipment located in the pit will be conducted on a flex base pad. A mobile truck is used for fueling.



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**DETAILED TELEPHONE SPILL REPORT FORM**

Date of Incident: \_\_\_\_\_

Location of Incident: \_\_\_\_\_

Description of material spilled: \_\_\_\_\_

Quantity of material spilled: \_\_\_\_\_

Cause of spill: \_\_\_\_\_

Authorities notified: \_\_\_\_\_

Remediation/clean-up action: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective measures taken for prevention of reoccurrence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature: \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Emergency Number for the National Response Center 1-800-424-8802

**Brauntex Materials, Inc.**  
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**Portable Toilet BMPs**

A portable toilet will be used at the New Braunfels Quarry and will be handled in accordance with the following guidelines:

- A licensed waste collector should service all the toilets. **The following tasks will be performed by the portable toilet supplier:**
  - Empty portable toilets before transporting them.
  - Securely fasten the toilets to the transport truck.
  - Use hand trucks, dollies, and power tailgates whenever possible.
  - Suppliers should carry bleach for disinfection in the event of a spill or leak.
  - Inspect the toilets frequently for leaks and have the units serviced and sanitized at time intervals that will maintain sanitary conditions of each toilet.
- Locate portable toilets at least 20 feet from the nearest storm-drain inlet or sensitive-feature buffer area
- Prepare a level ground surface with clear access to the toilets.
- Secure all portable toilets to prevent tipping by accident, weather, or vandalism.

**Attachment B**

**Potential Sources of Contamination**

Potential sources of contamination in the project area are the soil, fuels and lubricants from vehicles and equipment, and trash/debris items.

**Attachment C**

**Sequence of Major Activities**

The project will consist of the construction of a 90 acre quarry. Clearing will be initiated in the initial 10 acre quarry area, as shown on the attached WPAP Site Plan. The cleared topsoil will be used to construct earthen berms surrounding the cleared area. Berms will be 2-4 feet high. After clearing is completed in the initial 10 acre quarry area, excavation of the quarry pit will begin in this area. Portions of the site, less than 10 acres, will be cleared in stages as quarrying progresses. The earthen berms surrounding the quarry will expand as the quarry expands to the Final earthen berm or property line. Mining may extend to the property line if an agreement can be made with the adjacent landowner.

**Attachment D**

**Temporary Best Management Practices (TBMPs)**

No streams or USGS blue lines run through the site. No part of the property is located within a floodplain. Earthen berms will be placed outside the pit area and will expand as the quarry pit does.



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Stormwater will be treated by a vegetative buffer downgradient of the parking/fueling area a temporary earthen berm.

Inspections of earthen berms and buffers will be performed to confirm their effectiveness and to remove excessive build-up according to TCEQ guidance (see the following example Inspection Form.)

**7a)** Pollution of surface water, groundwater or stormwater that originates upgradient from the proposed quarry pit will be redirected by earthen berms surrounding the disturbed areas of the site as shown on the WPAP Application Site Plan. A 50' vegetated buffer will filter stormwater from the fueling/parking area. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

**7b)** Pollution of surface water, groundwater or stormwater that originates on-site or flows off site will be retained in the quarry. Earthen berms will be used to direct stormwater around the plant/quarry. As the size of the quarry expands, the earthen berms will expand throughout the life of the project. It is not expected that any significant amount of groundwater will be encountered in the quarry excavation or as surface flow in disturbed areas of the site. Stockpiles will be located in the pit. A temporary natural buffer will be maintained along both sides of the haul road. This buffer will remain until the haul road is located in the pit. A temporary 50' natural buffer will filter stormwater from the fueling/parking area. A 50' buffer will be maintained along the property line unless an agreement can be made with the adjacent landowner to quarry to the property line. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

**7c)** The prevention of pollutants from entering surface streams, sensitive features or the aquifer will be mitigated by earthen berms and vegetated buffers which will be implemented as shown on the attached WPAP Application Site Plan.

**7d)** There are 3 sensitive features located at this site: S-6, S-8, and S-9. The features are located in a future mining area that will remain undisturbed and used for cows in the interim. As clearing progresses to within approximately 500' of a sensitive feature, rock berms and/or silt fences will be established around the feature. These BMPs will slow the flow of water, allowing for sedimentation. Earthen berms, vegetative buffer, and the quarry, which store flows, will be used as pollution prevention measures to mitigate runoff from larger disturbed areas. These larger disturbed areas have a greater potential to contain sediment, therefore these BMPs will be used to provide a higher level of protection to the aquifer.

As quarrying advances toward the feature, the feature will be temporarily sealed. Flow will be maintained to each of these features until such time as quarrying progresses near the feature, at which time each will be sealed flowable fill/concrete until they are quarried out.

Any possibly sensitive geologic feature discovered by mining staff or the professional geoscientist will be handled in the following manner: Sediment that can be easily removed from the area adjacent to the feature without disturbing the feature will be removed. Then a rock berm will be placed around the feature to control and filter any potential flows into the feature. After placement of the rock berm, the active work area of the quarry will be moved to another portion of the pit where the feature cannot be

**Brauntex Materials, Inc.**  
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**WPAP Application**

impacted by the continuing quarry operations. A Professional Geologist will be called to the site to observe and rate the feature. If the feature is determined to be sensitive in accordance with TAC 213 rules, the TCEQ will be notified and an appropriate method for addressing the feature will be formulated and submitted for TCEQ approval. Work will not resume in the area of the feature until the TCEQ approved method for addressing the feature has been carried out. A Professional Geoscientist will inspect the quarry quarterly for sensitive features. Annual feature recognition training will be provided to mining staff by a professional geoscientist.

**Attachment E**

**Request to Temporarily Seal a Feature**

The following sensitive features are proposed to be temporarily sealed and removed through mining:

S-6  
S-8  
S-9

Because the ultimate proposed land-use at the site is for quarrying, each of the naturally occurring sensitive features identified in the Geologic Assessment that are located within the proposed quarrying footprint will eventually be mined out. In order to protect the aquifer from possible contamination from sediment in stormwater during construction of the quarry, Brauntex will temporarily seal the naturally occurring sensitive features listed above using flowable fill/concrete. Those features will eventually be quarried out.

The alternative to sealing these features would be to not seal them, which would pose a greater threat to the aquifer, due to the potential for sediment to enter in runoff from adjacent disturbed areas. It is not reasonable or practical to avoid mining near or upgradient of sensitive features due to their spacing on-site. Mining around the sensitive features would create a safety hazard within the quarry because the features would be left atop pinnacles that would be very tall and slender. These pinnacles would be prone to collapse and would create unsafe working conditions within much of the quarry area.

**Attachment F**

**Structural Practices**

Temporary best management practices proposed for the quarry include earthen berms and natural buffers. The earthen berms are used to retain runoff and limit runoff discharge of pollutants from exposed areas of the site as well as to divert runoff away from exposed (disturbed) soils. The quarry pit will also be utilized to retain runoff and reduce runoff discharge of pollutants from exposed areas of the site. A 50' vegetated buffer will be located downgradient of the parking/fueling area and will be relocated as the quarrying advances. A 25' buffer will be located along either side of the haul road where it is located outside of the pit. A 50' buffer will also be maintained along the property line except where is shown on the WPAP Site Plan. Mining will extend to the property line if an agreement is reached with the adjacent landowner.



**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
**WPAP Application**

**Attachment I**

**Inspection and Maintenance for BMPs**

Temporary earthen berms should be inspected weekly. Written documentation of these inspections should be kept during the course of construction at the project site (see following example Inspection Form.) Any erosion of berms should be backfilled and compacted as soon as possible.

Vegetated areas should be inspected quarterly; written documentation of those inspections should be kept during the course of construction at the project site. Trash should be removed and any eroded areas should be reseeded.

New Braunfels Quarry will be authorized to discharge stormwater under the TPDES General Permit No. TXR050000 for industrial activities. Requirements of the general permit include maintaining a SWP3 which includes inspections of stormwater best management practices and sampling of stormwater that is discharged from the site.

It is not anticipated that dewatering of the pit will be required. However, if necessary, mine dewatering will be accomplished according to the TCEQ stormwater regulations noted in the TPDES General Permit No. TXR050000 under Sector J for Mineral Mining and Processing Facilities.

Any dewatering required at the site would be accomplished using a pump to remove the water after solids have settled out and the water is tested and found to be in compliance with the numeric ePffluent limitations of TPDES General Permit No. TXR050000 Section J, (5)(ii) of 45 mg/L for a daily maximum and 25 mg/L for a daily average. These concentrations are lower than the estimated background concentration as stated in the Edwards Aquifer Technical Guidance Manual (RG-348) of 80 mg/L for undeveloped areas. The water would be discharged to a natural drainage area onto a rip rap pad such that soil erosion would be mitigated.

**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
**WPAP Application**

**Attachment J**

**Schedule of Soil Stabilization Practices**

**Interim Stabilization**

**A. Outside the Pit:**

Cleared areas and interim earthen berms may be disturbed for more than 14 days without stabilization because it is not practical to be continually stabilizing small areas prior to their excavation or stabilizing the earthen berms that are frequently relocated. The operator requires ample space in areas to be blasted for drilling and related equipment. It is a common industry practice to clear areas that are 2 or 3 times the proposed blast pattern width. These cleared areas will remain cleared until they are blasted. This timing depends upon many factors such as shot sizes, depths, production and sales rates, quality of rock, etc.

Because the soils overburden in these cleared areas have been removed and placed in an earthen berm adjacent to the cleared areas, erosion of these areas is mitigated. The earthen berms upgradient of the cleared areas divert upgradient stormwater away from cleared areas and earthen berms downgradient of cleared areas retain stormwater runoff from the cleared area. Temporary rock berms will mitigate any stormwater not retained by the earthen berms.

**B. Inside the Pit:**

Roads and stockpile areas do not need to be stabilized; the requirement for soil stabilization exists in order to control erosion and prevent pollutants from entering surface waters, streams and the aquifer through sensitive recharge features. The disturbed soils in the quarry pit will be retained in the pit thereby eliminating the need for soil stabilization in the pit to prevent pollutants from entering surface waters or streams. The BMP discussed in the WPAP Temporary Stormwater Section Attachment D (7.b) will mitigate infiltration of stormwater into the quarry floor. In addition it is not practical to stabilize areas of the pit with vegetation because often times areas of the pit will remain inactive for some period of time, then be reactivated.

**Permanent Stabilization**

**A. Outside the Pit:**

Final earthen berms outside the pit will be stabilized with native grasses. This naturally vegetated berm will retain stormwater within the pit.

The quarry pits will capture on-site stormwater flows. Any disturbed areas on-site at the end of quarrying that have not been quarried and do not drain into the pits will be revegetated to stabilize soils and reduce sediment in runoff.



**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
**WPAP Application**

**B. Inside the Pit**

The disturbed soils in the quarry pit will be retained in the pit thereby eliminating the need for soil stabilization. The BMP discussed in the WPAP Temporary Stormwater Section Attachment D (7.b) will mitigate infiltration of stormwater into the quarry floor.

**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Application**

**Permanent Stormwater Section  
Attachment B**

**BMPs for Upgradient Stormwater**

It is not anticipated that there will be very much, if any, stormwater generated upgradient that flows across the site. In the event that there is, stormwater will be prevented from entering the quarry area by the use of earthen berms and Natural Vegetative Filter Strips. The portion of the haul road located outside the pit will be treated by a 25' Natural Vegetative Filter Strip on either side until it is located in the pit. A 50' Natural Vegetative Filter Strip along the property line will mitigate flows entering and leaving the site. Mining will extend to the property line if an agreement is reached with the adjacent landowner. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

**Attachment C**

**BMPs for On-site Stormwater**

On-site stormwater will be contained in the quarry area by the use of earthen berms and Natural Vegetative Filter Strips. The portion of the haul road located outside the pit will be treated by a 25' Natural Vegetative Filter Strip on either side until it is located in the pit. A 50' Natural Vegetative Filter Strip along the property line will mitigate flows leaving the site. Mining will extend to the property line if an agreement is reached with the adjacent landowner. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

**Attachment D**

**BMPs for Surface Streams**

A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features or the aquifer:

During the life of the quarry, temporary earthen berms will be constructed as shown on the WPAP Site Plan to prevent pollutants from entering surface streams, sensitive features and the aquifer. Disturbed areas will be controlled by earthen berms, undisturbed areas, and the pit.

Permanent stormwater controls are those that are to remain in place after construction has been completed. At the time construction is completed at the subject site, on-site stormwater will be retained inside the pit. The vegetated final earthen berm and the 50' Natural Vegetative Filter Strip that surrounds most of the site will be located along the property boundary, unless an agreement is reached with the adjacent landowner to mine to the property line.



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**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Application**

**Attachment F**

**Construction Plans**

See WPAP Application Site Plan.

**Attachment G**

**Inspection, Maintenance, Repair and Retrofit Plan**

The final earthen berms will be inspected quarterly by Brauntex Materials, Inc. until stabilized with vegetation. The inspections will be documented and recorded. Any erosion of berms should be backfilled and compacted as soon as possible. Any maintenance or repair, including watering, etc., will be applied as necessary.

Natural Vegetative Filter Strips should be inspected at least monthly, until the Final earthen berm has been vegetated, for erosion or damage to vegetation. Written documentation of these inspections should be kept during the course of construction at the project site. Bare spots and areas of erosion identified during inspections must be replanted. Trash and debris items should be removed.

**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Application**

**Attachment I**

**Measures for Minimizing Surface Stream Contamination**

To avoid surface stream contamination, flows will be retained by earthen berms and Natural Vegetative Filter Strips or retained in the quarry pit. The quarry pit will retain stormwater and any associated contaminants without discharge to surface water or stream channels. Disturbed areas that are inactive will be revegetated to slow the flow of and remove contaminants from runoff. The vegetated Final earthen berm will mitigate surface stream contamination. Because little runoff is expected from the site due to the proposed quarry pit, stream flashing, stronger flows, and increases in in-stream velocities are not expected to occur as a result of this project.





June 03, 2015

Texas Commission on Environmental Quality  
Region 13 Office – San Antonio  
Edwards Aquifer Protection Program  
14250 Judson Rd.  
San Antonio, TX 78233-4480

Project No.: 10101-015

RECEIVED

JUN 15 2015

RECEIVED TCEQ  
SAN ANTONIO  
REGION  
2015 JUN -4 PM 2:30

Attn: Ms. Monica Reyes

COUNTY ENGINEER

Subject: Response to Comments  
New Braunfels Quarry – RN101060960, EAPP ID 13-15032702  
Brauntex Materials, Inc. – CN600618581

Dear Ms. Reyes,

Attached please find Westward Environmental Inc.'s (WESTWARD'S) response to the Fax Transmittal dated June 3, 2015 regarding the Brauntex Materials, Inc. – New Braunfels Quarry WPAP application submitted March 27, 2015. Our response is as follows:

*Permanent Stormwater Section*

1. *Natural Vegetated Filter Strip for haul road must be minimum length of 50 feet.*

**Response:** The portion of the haul road located outside the pit will be treated by a 50' Natural Vegetative Filter Strip on either side until it is located in the pit.

*Exhibits Comments:*

1. *Please provide profile and site plans of proposed haul road.*

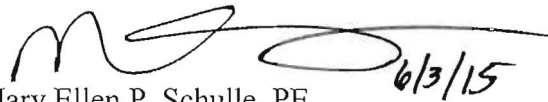
**Response:** The proposed haul road is crowned, on-grade, and constructed of compacted base material. The road will follow the existing contours. A typical detail for the haul road is attached. The Site Plan and Detail has been revised to show the 50' Natural Vegetative Filter Strip on both sides of the haul road.



*Brauntex Materials, Inc.*  
*New Braunfels Quarry WPAP Response to Comments*  
*06/03/2015*

**WESTWARD** will continue to serve as the technical contact for Brauntex Materials, Inc. on this project. Please ensure that **WESTWARD** is copied on all correspondence, including the final approval. If you have any other questions, or require further information, please contact our office at 830-249-8284.

Respectfully submitted,  
**WESTWARD ENVIRONMENTAL, INC.**

  
Mary Ellen P. Schulle, PE  
Project Manager  
TX License No. 114545 | TX Firm No. 4524

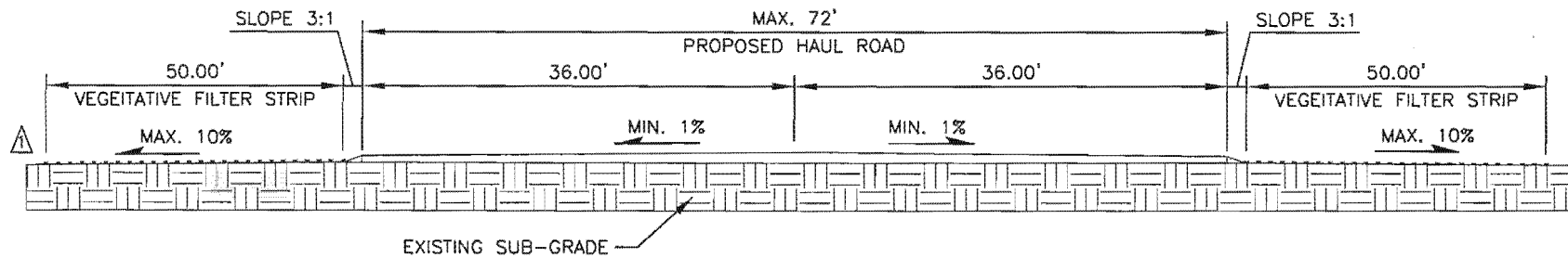


Attachments

Distribution:

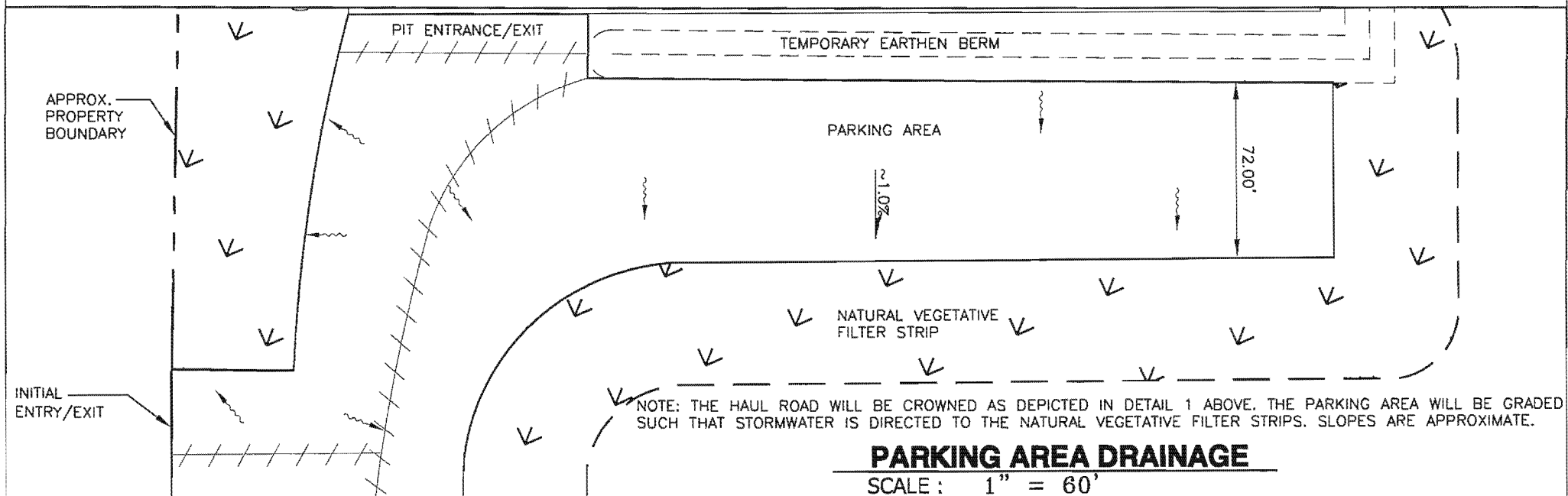
Addressee

Mr. William Fischer – Brauntex Materials, Inc.  
WEI 10101-015 File



### DETAIL 1 - PROPOSED HAUL RD & VEGETATVIE FILTER STRIPS

SCALE: N.T.S.



### PARKING AREA DRAINAGE

SCALE: 1" = 60'

SHEET #:

01

OF 01

IMAGE:  
NONE

ISSUE DATE: 06/03/2015

DRAWN BY: JJS

CHECKED BY: MES

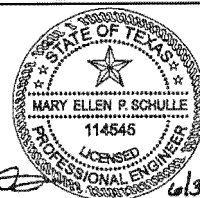
SCALE: 1" = AS NOTED

JOB #: 10101-015

### RESPONSE TO COMMENTS

NEW BRAUNFELS QUARRY  
BRAUNTEX MATERIALS, INC.  
1504 WALD RD. NEW BRAUNFELS, COMAL COUNTY, TX

REV.	DESCRIPTION	BY	DATE
1	RESPONSE TO NOD 2	DJM	6/3/15



Mary Ellen P. Schulle, PE  
License No. 114545

# WESTWARD

Environmental Engineering. Natural Resources.

P.O. Box 2205 Boerne, Texas 78006  
(830) 249-8284 Fax: (830) 249-0221

TBPE REG. NO.: F-4524  
TBPGE REG. NO.: 50112



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER POLLUTION ABATEMENT PLAN  
GENERAL CONSTRUCTION NOTES

- WRITTEN CONSTRUCTION NOTIFICATION MUST BE GIVEN TO THE APPROPRIATE TCEQ REGIONAL OFFICE NO LATER THAN 48 HOURS PRIOR TO COMMENCEMENT OF THE REGULATED ACTIVITY. INFORMATION MUST INCLUDE THE DATE ON WHICH THE REGULATED ACTIVITY WILL COMMENCE, THE NAME OF THE APPROVED PLAN FOR THE REGULATED ACTIVITY, AND THE NAME OF THE PRIME CONTRACTOR AND THE NAME AND TELEPHONE NUMBER OF THE CONTACT PERSON.
- ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
- IF ANY SENSITIVE FEATURE IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. THE REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MAY NOT PROCEED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT THE SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM ANY POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
- NO TEMPORARY ABOVEGROUND HYDROCARBON AND HAZARDOUS SUBSTANCE STORAGE TANK SYSTEM IS INSTALLED WITHIN 150 FEET OF A DOMESTIC, INDUSTRIAL, IRRIGATION, OR PUBLIC WATER SUPPLY WELL, OR OTHER SENSITIVE FEATURE.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND GOOD ENGINEERING PRACTICES. CONTROLS SPECIFIED IN THE TEMPORARY STORM WATER SECTION OF THE APPROVED EDWARDS AQUIFER PROTECTION PLAN ARE REQUIRED DURING CONSTRUCTION. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THE CONTROLS MUST REMAIN IN PLACE UNTIL DISTURBED AREAS ARE REVEGETATED AND THE AREAS HAVE BECOME PERMANENTLY STABILIZED.
- IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS TO WATER QUALITY (E.G., FUGITIVE SEDIMENT IN STREET BEING WASHED INTO SURFACE STREAMS OR SENSITIVE FEATURES BY THE NEXT RAIN).
- SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS OR SEDIMENTATION PONDS NOT LATER THAN WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%. A PERMANENT STAKE MUST BE PROVIDED THAT CAN INDICATE WHEN THE SEDIMENT OCCUPIES 50% OF THE BASIN VOLUME.
- 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).
- ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY 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 SITE. IN AREAS EXPERIENCING DROUGHTS WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SEASONAL AND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- THE FOLLOWING RECORDS SHALL 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 EDWARDS AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
  - ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
  - ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;
  - ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

AUSTIN REGIONAL OFFICE  
2800 S. IH 35, SUITE 100  
AUSTIN, TEXAS 78704-5712  
PHONE (512) 339-4929  
FAX (512) 339-3795

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

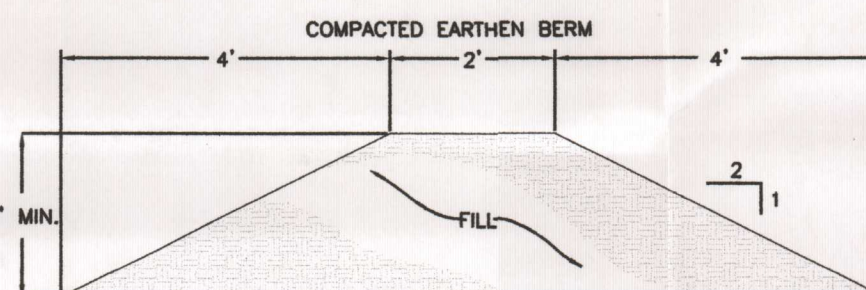
THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

BMP CONSTRUCTION NOTES

1. COMPACTED EARTHEN BERM

INSTALLATION:  
COMPRISED OF SOIL AND OVERBURDEN MATTER EITHER GENERATED ONSITE OR DELIVERED FROM OFFSITE. COMPACT WITH HEAVY EQUIPMENT IN 12" (MAX) LIFTS.

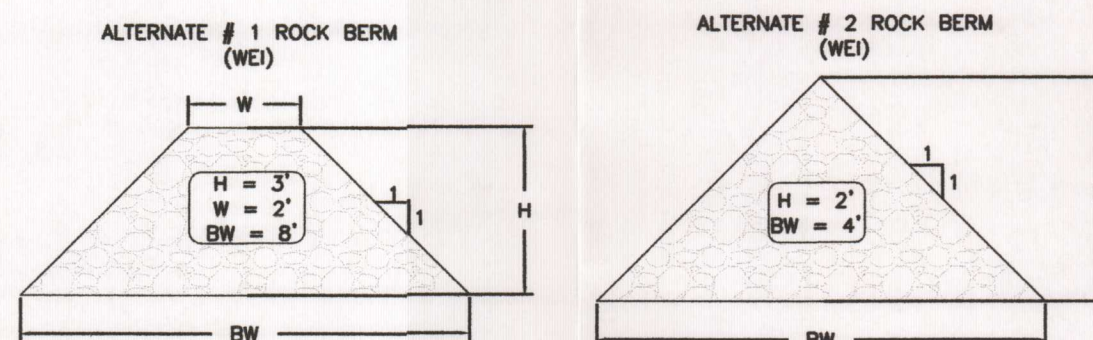
MAINTENANCE:  
INSPECT TEMPORARY BERMS WEEKLY. ANY EROSION SHOULD BE BACKFILLED AND COMPACTED. REPLACE AS NECESSARY.



2. ALTERNATE #1 & #2 ROCK BERMS (WE)

INSTALLATION:  
AGGREGATE USED SHOULD BE COMPRISED OF OPEN GRADED 3-5" DIAMETER ROCK. BERM SHOULD BE PLACED PERPENDICULAR TO FLOW LINE.

MAINTENANCE:  
INSPECT BERMS WEEKLY. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6". REPLACE WHEN ROCK BECOMES CLOGGED WITH SEDIMENT.

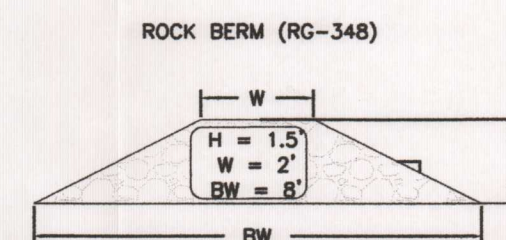


3. ROCK BERM (RG-348)

SHOULD BE SECURED WITH A WOVEN WIRE SHEATING, MAX. OPENING 1" AND MIN. WIRE DIA. 20 GAUGE GALVANIZED. SECURE WITH SHOT RINGS.

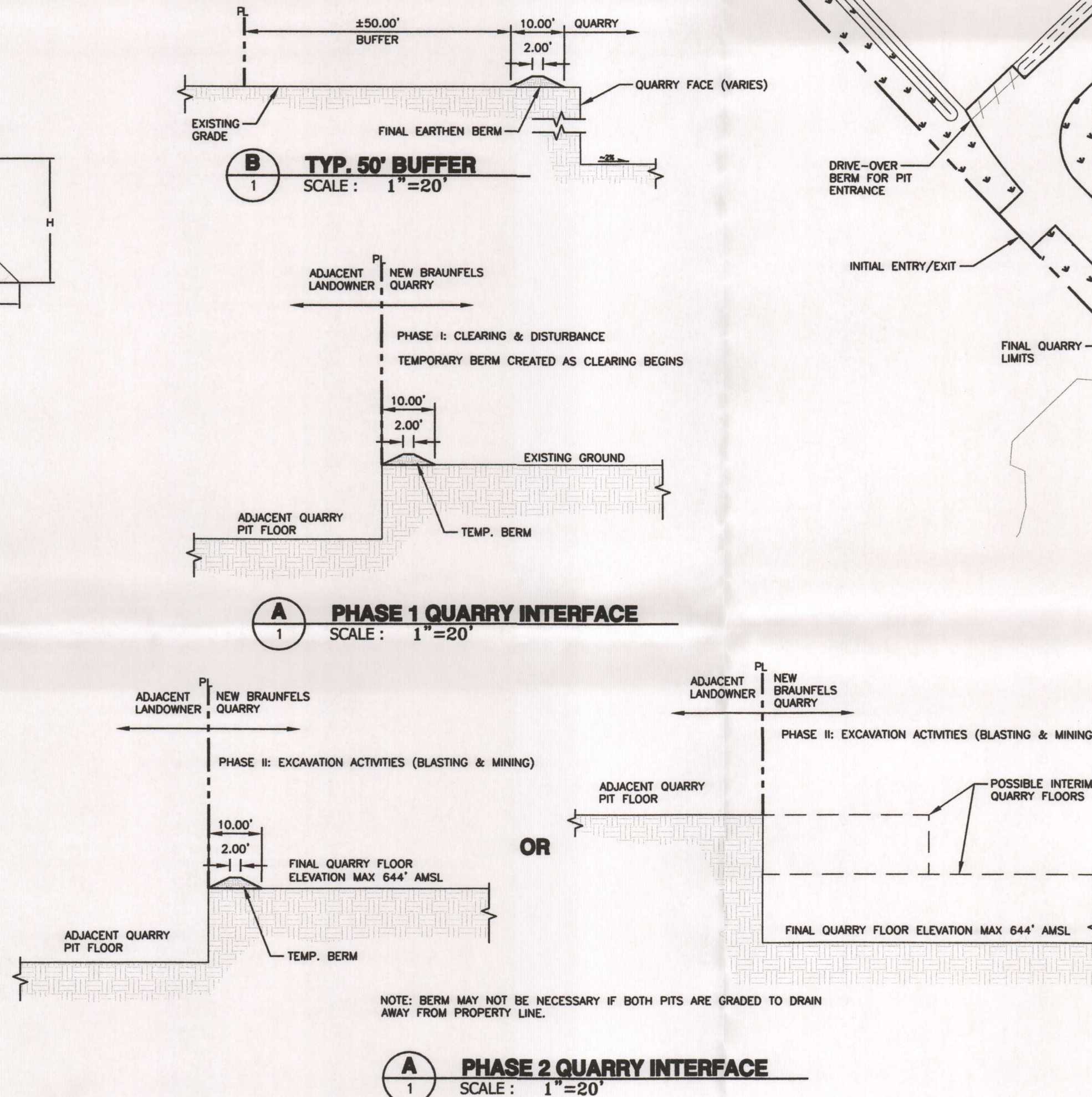
INSTALLATION:  
AGGREGATE USED SHOULD BE COMPRISED OF OPEN GRADED 3-5" DIAMETER ROCK. BERM SHOULD BE PLACED PERPENDICULAR TO FLOW LINE. SIDE SLOPE MUST BE 2:1 OR FLATTER. WIRE SHEATING MUST BE SECURED WITH THE WIRE SO THEY OVERLAP AT LEAST 2". BERM SHOULD BE BURIED IN A TRENCH APPROX. 4" DEEP.

MAINTENANCE:  
INSPECT BERMS WEEKLY. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6". REPLACE WHEN ROCK BECOMES CLOGGED WITH SEDIMENT.

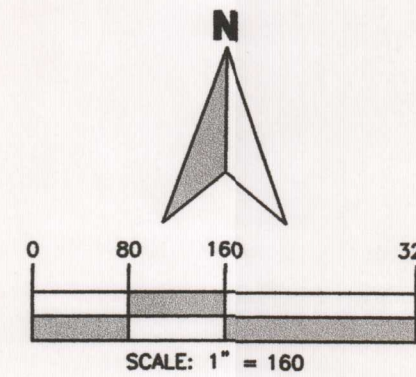
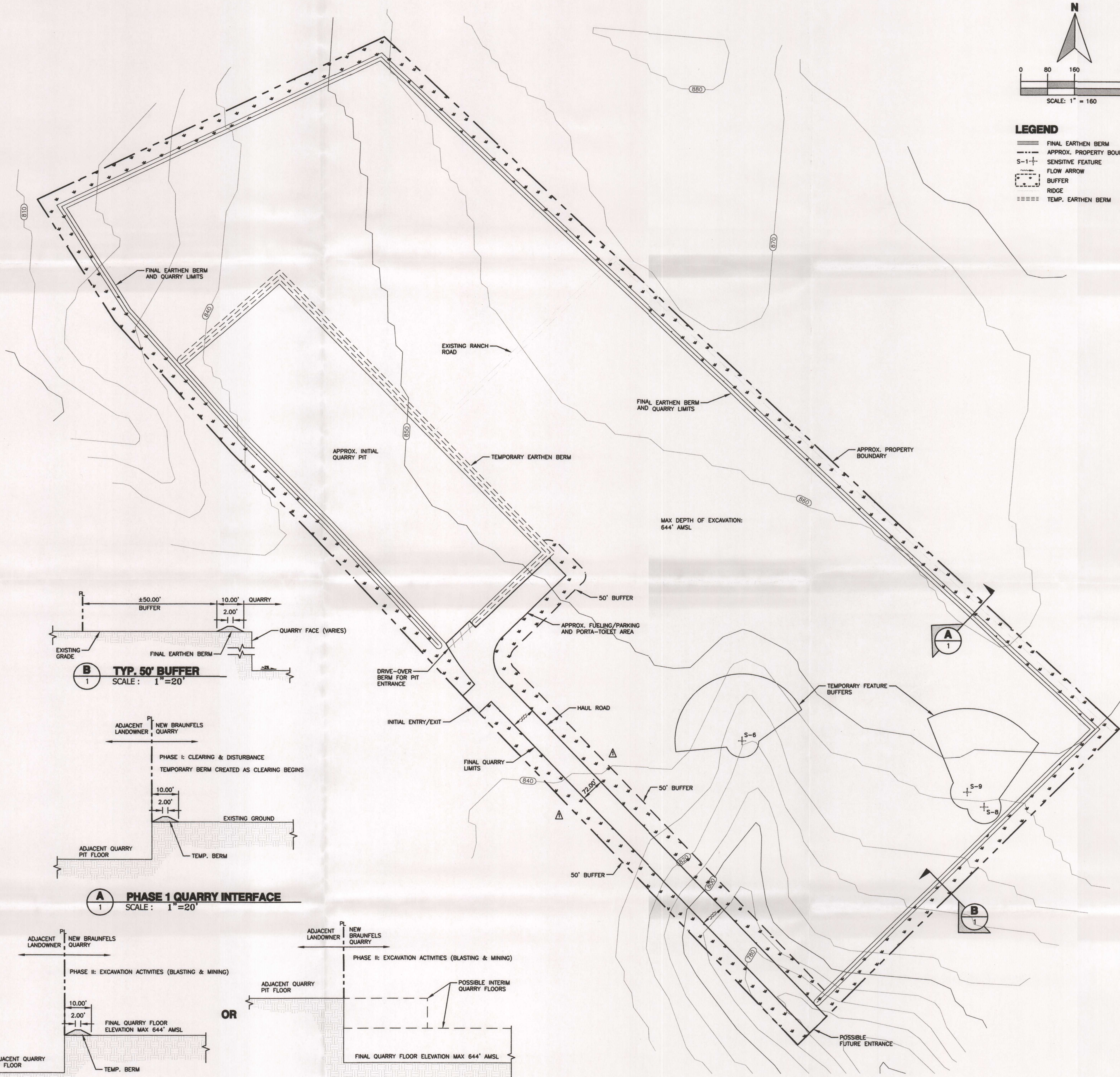


GENERAL NOTES:

- FINAL GRADES SHOWN ARE APPROXIMATE AND DEPEND ON ROCK QUALITY. FINAL PIT SLOPES ARE UNKNOWN, HOWEVER, FINISHED QUARRY FLOOR SLOPES WILL BE APPROXIMATELY 2%.
- NUMEROUS EXISTING RANCH ROADS CRISS CROSS THE PROPERTY.
- CONTRACTOR SHALL NOTIFY TEXAS11 ONE CALL SYSTEM (1-800-344-8377) 48 HOURS IN ADVANCE OF EXCAVATION.
- CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES, SUCH AS ROCK BERMS AND EARTHEN BERMS WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.
- ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STDS OF TCEQ.
- FOR ALL ADDITIONAL INFORMATION ON FEATURE ZONES SEE THE GEOLOGIC ASSESSMENT.
- INITIAL QUARRY AREA MAY BE LOCATED ANYWHERE WITHIN THE MINING LIMITS.
- FINAL QUARRY LIMITS WILL BE LOCATED 50' FROM THE PROPERTY LINE UNLESS AN AGREEMENT IS MADE WITH ADJACENT LAND OWNER TO MINE TO THE PROPERTY LINE.



NOTE: BERM MAY NOT BE NECESSARY IF BOTH PITS ARE GRADED TO DRAIN AWAY FROM PROPERTY LINE.



LEGEND

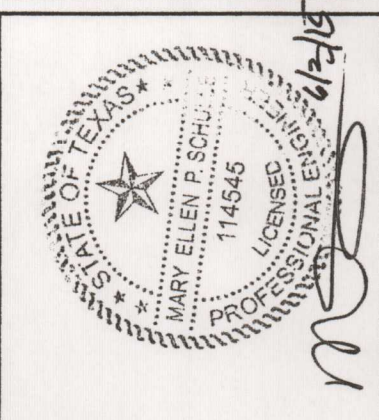
- FINAL EARTHEN BERM
- APPROX. PROPERTY BOUNDARY
- SENSITIVE FEATURE
- FLOW ARROW
- BUFFER
- RIDGE
- TEMP. EARTHEN BERM

RANGE:  
GOOGLE 2014  
ISSUE DATE: 03/24/2015  
DRAWN BY: DLM  
CHECKED BY: MES  
SCALE: 1" = 160'  
JOB #: 10101-15

SHEET #:  
**1**  
OF 1

**WESTWARD**  
Environmental Engineering, Natural Resources,  
P.O. Box 2205 Boerne, Texas 78006  
(830) 249-8284 Fax: (830) 249-0221  
TBP REG. NO.: F-4524  
TBP REG. NO.: 50112

REV	DATE	DESCRIPTION
1	6/7/15	RESPONSE TO MOD 2



**SITE MAP**  
WPAP AND GA  
BRAUNTEX MATERIALS, INC  
NEW BRAUNFELS, TX



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



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

March 30, 2015

Mr. Thomas H. Hornseth, P.E.  
Comal County Engineer  
195 David Jonas Drive  
New Braunfels TX 78132-3710

Re: PROJECT NAME: New Braunfels Quarry, located on the northwest corner of Wald Road and Landa Street, New Braunfels, Texas

PLAN TYPE: Application for a Water Pollution Abatement Plan (WPAP) 30 Texas Administration Code (TAC) Chapter 213; Edwards Aquifer Protection Program  
EAPP Additional ID.: 13-15032701

Dear Mr. Hornseth:

The referenced application is being forwarded to you pursuant to the Edwards Aquifer Rules. The Texas Commission on Environmental Quality (TCEQ) is required by 30 TAC Chapter 213 to provide copies of all applications to affected incorporated cities and underground water conservation districts for their comments prior to TCEQ approval. More information regarding this project may be obtained from the TCEQ Central Registry website at [http://www.tceq.state.tx.us/permitting/central\\_registry/](http://www.tceq.state.tx.us/permitting/central_registry/).

Please forward your comments to this office by April 30, 2015.

The Texas Commission on Environmental Quality appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact the San Antonio Region Office at (210) 490-3096.

Sincerely

A handwritten signature in blue ink that reads "Todd Jones".

Todd Jones  
Water Section Work Leader  
San Antonio Regional Office

TJ/eg

RECEIVED  
APR 14 2015  
COUNTY ENGINEER

WATER POLLUTION ABATEMENT PLAN  
(WPAP)

2015 MAR 27 PM 12:55

RECEIVED TCEQ  
SAN ANTONIO  
REGION

BRAUNTEX MATERIALS, INC.  
NEW BRAUNFELS QUARRY

RECEIVED

APR 14 2015


COUNTY ENGINEER

1504 WALD RD.  
NEW BRAUNFELS, COMAL COUNTY, TEXAS


Submitted to: TCEQ, Region 13 Office, San Antonio

**MARCH 2015**

Prepared by:

 **WESTWARD ENVIRONMENTAL, INC.**  
Boerne, Texas  
Project No. 10101-015



Signature: 

Mary Ellen P. Schulle, P.E. - License No. 114545

Date: 3/26/15



# Edwards Aquifer Application Cover Page

---

## Our Review of Your Application

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

## Administrative Review

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

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

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

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

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

## Technical Review

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

**BRAUNTEX MATERIALS, INC.**

CRUSHED LIMESTONE • ASPHALT  
1504 WALD ROAD • PH. (830) 625-6276 OR 606-6276  
NEW BRAUNFELS, TEXAS 78132-5018



JPMorgan Chase Bank, N.A.  
www.Chase.com

32-61-1110

46958



0046958 12/23/2014 \*\*\*\*\*\$8,000.00

EIGHT THOUSAND AND 00/100 DOLLARS

PAY  
TO THE  
ORDER  
OF

TX COMM ENVIRONMENTAL QUALITY  
P. O. BOX 13089  
AUSTIN TX 78711-3089



AUTHORIZED SIGNATURE

⑈046958⑈ ⑆111000614⑆

5800 11050 2⑈

**BRAUNTEX MATERIALS, INC.**

Vendor No. Vendor Name  
TE1700 TX COMM ENVIRONMENTAL QUALITY

Check  
0046958

46958

Date	Reference	PO No.	Gross Amount	Discount	Net Amount
12/24/2014			8000.00	.00	8000.00

RECEIVED TCEQ  
SAN ANTONIO  
REGION  
2015 MAR 27 PM 12:49

Acct. No. 21001521

Check Date	Check No.	Total Gross	Total Disc.	Check Amount
12/23/2014	0046958	8000.00	.00	8000.00



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.

<b>1. Regulated Entity Name: New Braunfels Quarry</b>					<b>2. Regulated Entity No.: New</b>				
<b>3. Customer Name: Brauntex Materials,</b>					<b>4. Customer No.: 600618581</b>				
<b>5. Project Type:</b> (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
<b>6. Plan Type:</b> (Please circle/check one)	<input checked="" type="radio"/> WPAP	<input type="radio"/> CZP	<input type="radio"/> SCS	<input type="radio"/> UST	<input type="radio"/> AST	<input type="radio"/> EXP	<input type="radio"/> EXT	Technical Clarification	Optional Enhanced Measures
<b>7. Land Use:</b> (Please circle/check one)	<input type="radio"/> Residential	<input checked="" type="radio"/> Non-residential				<b>8. Site (acres):</b>		~90	
<b>9. Application Fee:</b>	\$8,000		<b>10. Permanent BMP(s):</b>			Berms, Vegetated Buffers, Quarry Pit			
<b>11. SCS (Linear Ft.):</b>			<b>12. AST/UST (No. Tanks):</b>			N/A			
<b>13. County:</b>	Comal		<b>14. Watershed:</b>			Guadalupe River Basin			



# Application Distribution

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

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

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

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

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

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

Mary Ellen P. Schulle, PE, Lic No. 114545  
 Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent

3/26/15  
 Date



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

**BRAUNTEX MATERIALS, INC.**

**New Braunfels Quarry**

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## Water Pollution Abatement Plan Checklist

- X General Information Form (*TCEQ-0587*)  
ATTACHMENT A - Road Map  
ATTACHMENT B - USGS / Edwards Recharge Zone Map  
ATTACHMENT C - Project Description
- X Geologic Assessment Form (*TCEQ-0585*)  
ATTACHMENT A - Geologic Assessment Table (*TCEQ-0585-Table*)  
Comments to the Geologic Assessment Table  
ATTACHMENT B - Soil Profile and Narrative of Soil Units  
ATTACHMENT C - Stratigraphic Column  
ATTACHMENT D - Narrative of Site Specific Geology  
Site Geologic Map(s)  
Table or list for the position of features' latitude/longitude (if mapped using GPS)
- X Water Pollution Abatement Plan Application Form (*TCEQ-0584*)  
ATTACHMENT A - Factors Affecting Water Quality  
ATTACHMENT B - Volume and Character of Stormwater  
ATTACHMENT C - Suitability Letter from Authorized Agent (if OSSF is proposed)  
ATTACHMENT D - Exception to the Required Geologic Assessment (if requesting an exception)
- Site Plan
- X Temporary Stormwater Section (*TCEQ-0602*)  
ATTACHMENT A - Spill Response Actions  
ATTACHMENT B - Potential Sources of Contamination  
ATTACHMENT C - Sequence of Major Activities  
ATTACHMENT D - Temporary Best Management Practices and Measures  
ATTACHMENT E - Request to Temporarily Seal a Feature, if sealing a feature  
ATTACHMENT F - Structural Practices  
ATTACHMENT G - Drainage Area Map  
ATTACHMENT H - Temporary Sediment Pond(s) Plans and Calculations  
ATTACHMENT I - Inspection and Maintenance for BMPs  
ATTACHMENT J - Schedule of Interim and Permanent Soil Stabilization Practices
- X Permanent Stormwater Section (*TCEQ-0600*)  
ATTACHMENT A - 20% or Less Impervious Cover Waiver, if project is multi-family residential, a school, or a small business and 20% or less impervious cover is proposed for the site  
ATTACHMENT B - BMPs for Upgradient Stormwater  
ATTACHMENT C - BMPs for On-site Stormwater  
ATTACHMENT D - BMPs for Surface Streams  
ATTACHMENT E - Request to Seal Features (if sealing a feature)  
ATTACHMENT F - Construction Plans  
ATTACHMENT G - Inspection, Maintenance, Repair and Retrofit Plan  
ATTACHMENT H - Pilot -Scale Field Testing Plan, if BMPs not based on *Complying with the Edwards Aquifer Rules: Technical Guidance for BMPs*  
ATTACHMENT I - Measures for Minimizing Surface Stream Contamination
- X Agent Authorization Form (*TCEQ-0599*), if application submitted by agent
- X Application Fee Form (*TCEQ-0574*)
- X Check Payable to the "Texas Commission on Environmental Quality"
- X Core Data Form (*TCEQ-10400*)

**General Information Form**  
For Regulated Activities on the  
Edwards Aquifer Recharge and Transition Zones  
and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B)  
Effective June 1, 1999

REGULATED ENTITY NAME: New Braunfels Quarry  
COUNTY: Comal STREAM BASIN: Guadalupe

EDWARDS AQUIFER: ☒ RECHARGE ZONE  
☐ TRANSITION ZONE

PLAN TYPE: ☒ WPAP ☐ AST ☐ EXCEPTION  
☐ SCS ☐ UST ☐ MODIFICATION

**CUSTOMER INFORMATION**

1. Customer (Applicant):

Contact Person: William Fischer wdfischer@brauntexmaterials.com  
Entity: Brauntex Materials, Inc.  
Mailing Address: 1504 Wald Rd.  
City, State: New Braunfels, TX Zip: 78132  
Telephone: 830-625-6276 FAX: \_\_\_\_\_

Agent/Representative (If any):

Contact Person: Mary Ellen Schulle, PE, CFM  
Entity: Westward Environmental, Inc.  
Mailing Address: 4 Shooting Club Rd.  
City, State: Boerne, TX Zip: 78006  
Telephone: 830-249-8284 FAX: 830-249-0221

2. ☐ This project is inside the city limits of \_\_\_\_\_.  
☒ This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of  
New Braunfels.  
☐ This project is not located within any city's limits or ETJ.

3. The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

NW Corner of Wald Rd. and Landa St. in New Braunfels, TX.

4. ☒ **ATTACHMENT A - ROAD MAP.** A road map showing directions to and the location of the project site is attached at the end of this form.
5. ☒ **ATTACHMENT B - USGS / EDWARDS RECHARGE ZONE MAP.** A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached behind this sheet. The map(s) should clearly show:

- ☒ Project site.
- ☒ USGS Quadrangle Name(s).
- ☒ Boundaries of the Recharge Zone (and Transition Zone, if applicable).
- ☒ Drainage path from the project to the boundary of the Recharge Zone.

6. ☒ Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment. **The TCEQ must be able to inspect the project site or the application will be returned.**
7. ☒ **ATTACHMENT C - PROJECT DESCRIPTION.** Attached at the end of this form is a detailed narrative description of the proposed project.
8. 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/Uncleared)
  - ☐ Other: \_\_\_\_\_

#### PROHIBITED ACTIVITIES

9. ☒ I am aware that the following activities are prohibited on the **Recharge Zone** and are not proposed for this project:
- (1) waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
  - (2) new feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
  - (3) land disposal of Class I wastes, as defined in 30 TAC §335.1;
  - (4) the use of sewage holding tanks as parts of organized collection systems; and
  - (5) new municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
10. ☒ I am aware that the following activities are prohibited on the **Transition Zone** and are not proposed for this project:
- (1) waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
  - (2) land disposal of Class I wastes, as defined in 30 TAC §335.1; and
  - (3) new municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

#### ADMINISTRATIVE INFORMATION

11. The fee for the plan(s) is based on:
- ☒ For a Water Pollution Abatement Plan and Modifications, the total acreage of the site where regulated activities will occur.
  - ☐ For an Organized Sewage Collection System Plans and Modifications, the total linear



footage of all collection system lines.

— For a UST Facility Plan or an AST Facility Plan, the total number of tanks or piping systems.

— A request for an exception to any substantive portion of the regulations related to the protection of water quality.

— A request for an extension to a previously approved plan.

12. Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

— TCEQ cashier

— Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)

X San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

13. X 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.

14. X No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

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 **GENERAL INFORMATION FORM** is hereby submitted for TCEQ review. The application was prepared by:

Mary Ellen P. Schulle, P.E.

Print Name of Customer/Agent/Engineer

TX License No. 114545/ Firm No. 4524

  
Signature of Customer/Agent/Engineer



3/24/15

Date

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

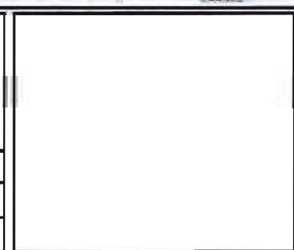
Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.





SHEET #:  A OFA	IMAGE: 2015 BING ROAD MAP	
	ISSUE DATE:	03/04/2015
	DRAWN BY:	DJM
	CHECKED BY:	MES
	SCALE: 1" =	4000'
	JOB #:	10101-015

ROAD MAP NEW BRAUNFELS QUARRY BRAUNTEX MATERIALS, INC. NEW BRAUNFELS, TX 78132			
REV.	DESCRIPTION	BY	DATE





# WESTWARD

Environmental. Engineering. Natural Resources.

P.O. Box 2205 Boerne, Texas 78006

(830) 249-8284 Fax: (830) 249-0221

TBPE REG. NO.: F-4524

TBPB REG. NO.: 50112





SCALE: 1" = 2000'



## USGS QUAD OVERVIEW

NEW BRAUNFELS QUARRY  
BRAUNTEX MATERIALS, INC.  
NEW BRAUNFELS, TX

REV.	DESCRIPTION	BY	DATE

IMAGE:

USGS NB WEST QUAD

ISSUE DATE: 03/11/2015

DRAWN BY: DJM

CHECKED BY: MES

SCALE: 1" = 2000'

JOB #: 10101-015

SHEET #:

**B**

OF B

# WESTWARD

Environmental. Engineering. Natural Resources.

P.O. Box 2205 Boerne, Texas 78006  
(830) 249-8284 Fax: (830) 249-0221

TBPE REG. NO.: F-4524  
TBPG REG. NO.: 50112



**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Application**

**General Information Form  
Attachment C**

**Project Description**

Brauntex Materials, Inc. proposes to construct a limestone quarry on an approximate 90 acre site in Comal County. The entire site is proposed to be quarried. New Braunfels Quarry is currently used for cattle and will continue to have cattle in the areas outside the active industrial areas.

The project site is approximately 90 acres in area located entirely within the Edwards Aquifer Recharge Zone. There will be no buildings on-site, and fuel will not be stored on-site. Trash generated on-site will be disposed of in a dumpster and handled by a licensed waste service. A portable toilet will be used on site. Fueling will occur on-site on a designated base fueling pad located in the fueling/parking and porta-toilet area. Initial fueling/parking and porta-toilet area is shown on the Site Plan and will be relocated as pit expands. Maintenance will occur at the New Braunfels Quarry. To the extent feasible, emergency repairs will be performed on-site. A mobile fuel/lube truck will be used. Truck traffic to and from the New Braunfels Quarry itself will travel through an adjacent quarry. Total impervious cover is approximately 3 acres.

Temporary BMPs consisting of earthen berms, and vegetated areas will be utilized to control and treat stormwater runoff in the initial stages of construction. Temporary earthen berms will be built as a result of clearing and will retain stormwater runoff from disturbed areas prior to excavation. A permanent 50' buffer along the property line (except where noted on the WPAP Site Plan) will serve as final treatment for stormwater leaving the site. Mining will extend to the property line if an agreement can be made with the adjacent landowner. Stormwater will be kept separate between the two sites by means of maintaining a grade differential between the adjacent quarry and the New Braunfels quarry, or by using berms.

Mining will begin in the initial quarry area as shown on the Site Plan. An approximately 10 acre area will be cleared and used to start the quarry excavation. Cleared material will be used to construct an earthen berm around the cleared area. As the quarry expands to the final earthen berm as shown on the WPAP Site Plan, areas will be cleared in increments of less than 10 acres at a time. Portable Crushers and other equipment will be used on-site. Mined material will be loaded into trucks and hauled offsite for additional processing. It is not expected that any significant amount of groundwater will be encountered in the quarry excavation. A 25' separation distance between the pit floor and the groundwater level will be maintained at 644' amsl.

The geologic assessment included in this submittal covers the entire 90 acres of the site. Three (3) sensitive features were discovered on-site (see WPAP Site Plan). These features will be protected by a temporary vegetative buffer. Because the proposed land use calls for the removal, by excavation, of the sensitive features within the quarry limits, no permanent sealing of features is requested herein. However, in order to protect water quality during construction of the quarry, sensitive features that lie within the proposed quarry area will be temporarily sealed prior to their excavation.

**Geologic Assessment**  
**For Regulated Activities**  
on The Edwards Aquifer Recharge/transition Zones  
and Relating to 30 TAC §213.5(b)(3), Effective June 1, 1999

REGULATED ENTITY NAME: New Braunfels Quarry

TYPE OF PROJECT: ☒ WPAP    ☐ AST    ☐ SCS    ☐ UST

LOCATION OF PROJECT: ☒ Recharge Zone    ☐ Transition Zone    ☐ Contributing Zone within the Transition Zone

**PROJECT INFORMATION**

1. ☒ Geologic or manmade features are described and evaluated using the attached **GEOLOGIC ASSESSMENT TABLE**.
2. Soil cover on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups\* (*Urban Hydrology for Small Watersheds, Technical Release No. 55, Appendix A, Soil Conservation Service, 1986*). If there is more than one soil type on the project site, show each soil type on the site Geologic Map or a separate soils map.

Soil Units, Infiltration Characteristics & Thickness			* Soil Group Definitions (Abbreviated)  A. Soils having a <u>high infiltration</u> rate when thoroughly wetted.  B. Soils having a <u>moderate infiltration</u> rate when thoroughly wetted.  C. Soils having a <u>slow infiltration</u> rate when thoroughly wetted.  D. Soils having a <u>very slow infiltration</u> rate when thoroughly wetted.
Soil Name	Group*	Thickness (feet)	
Rumble-Comfort Association (RUD)	D	0 - 2	
Eckrant-Rock Outcrop Complex (ErG)	D	0 - 1	

3. ☒ A **STRATIGRAPHIC COLUMN** is attached at the end of this form that shows formations, members, and thicknesses. The outcropping unit should be at the top of the stratigraphic column.
4. ☒ A **NARRATIVE DESCRIPTION OF SITE SPECIFIC GEOLOGY** is attached at the end of this form. The description must include a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure, and karst characteristics of the site.
5. ☒ Appropriate **SITE GEOLOGIC MAP(S)** are attached:

The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1" : 400'

Applicant's Site Plan Scale	1" = 160'
Site Geologic Map Scale	1" = 160'
Site Soils Map Scale (if more than 1 soil type)	1" = 160'

6. Method of collecting positional data:  
☒ Global Positioning System (GPS) technology.  
☐ Other method(s).
7. ☒ The project site is shown and labeled on the Site Geologic Map.
8. ☒ Surface geologic units are shown and labeled on the Site Geologic Map.
9. ☒ Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.  
☐ Geologic or manmade features were not discovered on the project site during the field investigation.
10. ☒ The Recharge Zone boundary is shown and labeled, if appropriate.
11. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.):  
☐ There are \_\_\_\_ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)  
☐ The wells are not in use and have been properly abandoned.  
☐ The wells are not in use and will be properly abandoned.  
☐ The wells are in use and comply with 16 TAC Chapter 76.  
☒ There are no wells or test holes of any kind known to exist on the project site.

#### ADMINISTRATIVE INFORMATION

12. ☒ 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.

Date(s) Geologic Assessment was performed: December 30, 2014  
Date(s)

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. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

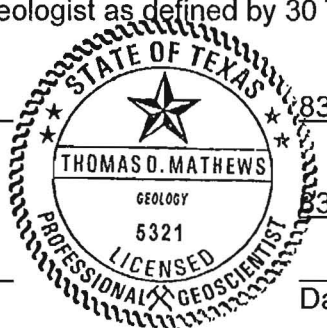
Thomas O. Mathews II, P.G.  
Print Name of Geologist

830-249-8284  
Telephone

830-249-0221  
Fax

3-24-15  
Date

Thomas O. Mathews II, P.G.  
Signature of Geologist



Representing: Westward Environmental, Inc.  
(Name of Company)

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

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



GEOLOGIC ASSESSMENT TABLE						PROJECT NAME: New Braunfels Quarry													
LOCATION			FEATURE CHARACTERISTICS										EVALUATION		PHYSICAL SETTING				
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10	11	12	
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)	TOPOGRAPHY	
						X	Y	Z		10						<40	≥40	<1.6	≥1.6
S-1	29° 41.951' N	-98° 10.622' W	CD	5	Ked	6	6	0.67				O	5	10	X		X		HILLTOP
S-2	29° 41.926' N	-98° 10.406' W	CD	5	Ked	5.75	5.8	1.25				O	15	20	X		X		HILLTOP
S-3	29° 41.932' N	-98° 10.387' W	CD	5	Ked	5	5	1.5				O/C	19	24	X		X		HILLTOP
S-4	29° 41.906' N	-98° 10.347' W	SH	20	Ked	94	80	1				O	19	39	X		X		HILLTOP
S-5	29° 41.832' N	-98° 10.220' W	CD	5	Ked	18	21	1				F	5	10	X		X		HILLTOP
S-6	29° 41.707' N	-98° 10.275' W	SC	20	Ked	15	12	32				O	35	55		X	X		HILLSIDE
S-7	29° 41.724' N	-98° 10.101' W	SH	20	Ked	4	6	1.5	180			O	15	35	X		X		HILLTOP
S-8	29° 41.684' N	-98° 10.101' W	SH	20	Ked	2.5	6	0.75	325			O	25	45		X	X		HILLTOP
S-9	29° 41.691' N	-98° 10.101' W	SH	20	Ked	8.5	8.5	1				F	25	45		X	X		HILLTOP
														0					
														0					
														0					
														0					
														0					
														0					
														0					
														0					
														0					

\* DATUM: NAD 83

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

8A INFILLING
N None, exposed bedrock
C Coarse - cobbles, breakdown, sand, gravel
O Loose or soft mud or soil, organics, leaves, sticks, dark colors
F Fines, compacted clay-rich sediment, soil profile, gray or red colors
V Vegetation. Give details in narrative description
FS Flowstone, cements, cave deposits
X Other materials

12 TOPOGRAPHY
Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

*Thomas D. Mathews* 5321

Date 3-24-15

TCEQ-0585-Table (Rev. 10-01-04)



### Soils Narrative

A total of two (2) soil types were identified at the subject site. These are presented on the Geologic Assessment form as well as in the table below. The majority of the site is covered by the Rumble-Comfort Association which has a moderate infiltration rate when thoroughly wetted.

Soil Units, Infiltration Characteristics & Thickness			
Soil Name	Group *	Thickness (feet)	Description
Rumble-Comfort Association (RUD)	D	0 - 2	The Rumble-Comfort Association has slopes from 1% - 8% and is moderately drained.
Eckrant-Rock Outcrop Complex (ErG)	D	0-1	The Eckrant-Rock Outcrop Complex occurs in steep areas with slopes ranging from 8%-30% and is moderately drained.

**STRATIGRAPHIC COLUMN**  
New Braunfels Quarry

Hydrogeologic subdivision			Group formation or member		Hydrologic Function	Thickness (feet)	Lithology	Cavern development	Porosity / permeability type
Upper Cretaceous	Upper confining units		Buda Formation		CU	40-50	Buff, light gray, dense mudstone	Minor surface karst	Low porosity /low permeability
			Del Rio Clay		CU	40-50	Blue-green to yellow-brown clay	None	None / primary upper confining unit
Lower Cretaceous	I	Edwards Aquifer	Georgetown Formation		Karst AQ; not karst CU		Reddish-brown, gray to light tan marly limestone	None	Low porosity / low permeability
	II		Fm	Cyclic & marine members undivided	AQ	89-90	Mudstone to packstone; milliloid grainstone; chert	Many sub-surface	Laterally extensive; water yielding
	III			Person	Leached & collapsed members	AQ	70-90	Crystalline limestone; mudstone to grainstone; chert collapsed breccia	Extensive lateral development; large rooms
	IV		Regional dense members		CU	20-24	Dense, argillaceous mudstone	Very few; only vertical fracture enlargement	Not fabric / low permeability; vertical barrier
	V		Fm	Grainstone member	AQ	50-60	Milliloid grainstone; mudstone to wackestone; chert	Few	Not fabric / recrystallization reduces permeability
	VI			Kirschberg evaporite member	AQ	50-60	Highly altered crystalline limestone; chalky mudstone; chert	Probably extensive cave development	Majority fabric / one of the most permeable
	VII			Dolomitic member	AQ	110-130	Mudstone to grainstone; crystalline limestone; chert	Caves related to structure or bedding planes	Mostly not fabric; some bedding plane fabric / water-yielding
	VIII			Basal nodular member	Karst AQ; not karst CU	50-60	Shaly, nodular limestone; mudstone and milliloid grainstone	Large lateral caves at surface	Fabric; stratigraphically controlled/ large conduit flow at surface; no permeability in subsurface
	Lower confining unit	Upper member of the Glen Rose Limestone		CU; evaporite beds AQ	350-500	Yellowish tan, thinly bedded limestone and marl	Some surface cave development	Some water production at evaporite beds / relatively impermeable	

Reference: U.S.G.S. Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas; Water-Resources Investigations Report 95-4030

Note: CU = Confining Unit; AQ = Aquifer

— — — Indicates Mapped Surface Formation



## GEOLOGIC NARRATIVE

### Overview

The subject site is approximately 90.00 acres in size and is located off of Lori Lane in Comal County, Texas. The subject property (site) is a greenfield site. The geologic assessment was performed on over the areas shown on the attached Geology & Soils Map. A total of nine (9) features were identified and mapped during this investigation. Three (3) of the identified features were classified as sensitive (S-6, S-8 & S-9) in accordance with the *"Instructions for Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones"* (TNRCC-0585-Instructions (Rev. 10-1-04).

### Field Work

Field work was performed at the site by registered professional Geoscientist Thomas O. Mathews II, PG #5321, and WEI field technicians on December 30, 2014. Field transects of the site were performed utilizing a 50 foot maximum spacing. Geologic features observed in the field were logged, photographed, labeled and GPS coordinates were collected. GPS data are provided in the attached geologic assessment Table.

There is one ranch road running along the northwest property boundary and fencing for cattle.

### Stratigraphy

The Person Formation is the only unit present at the site.

### Structure

No faults were observed at the site.

### Karst Features

Five (5) karst features were observed at the site.

- S-4: Sinkhole
- S-6: Solution Cavity
- S-7: Sinkhole
- S-8: Sinkhole
- S-9: Sinkhole

### Geologic or Man-made Features

A total of nine (9) karst or non-karst features were identified during the field portion of the geologic assessment. These features consisted of four (4) karst sinkholes, one (1) karst solution cavity, and four (4) non-karst closed depressions. Three (3) of the identified features were classified as sensitive (S-6, S-8 & S-9) in accordance with the *"Instructions for Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones"* (TNRCC-0585-Instructions (Rev. 10-1-04).

**S-1 (CD) Not Sensitive**

S-1 is a non-karst closed depression with a small catchment area (<1.6 Acres). The depression was soil floored with organics. The probability of rapid infiltration is low.

**S-2 (CD) Not Sensitive**

S-2 is a non-karst closed depression with a small catchment area (<1.6 Acres). The depression was soil floored, probably the result of land clearing however some sapping may exist. The probability of rapid infiltration is low.

**S-3 (CD) Not Sensitive**

S-3 is a non-karst closed depression with a small catchment area (<1.6 Acres). The depression was soil floored. The probability of rapid infiltration is low.

**S-4 (SH) Not Sensitive**

S-4 is a karst sinkhole with a small catchment area (<1.6 Acres). The depression was floored. This is a large shallow depression at the base of a large oak tree. There was no sign of sapping nor a rock rim. The probability of rapid infiltration is low.

**S-5 (CD) Not Sensitive**

S-5 is a non-karst closed depression with a small catchment area (<1.6 Acres). The depression was soil floored with tight red organics but no rock. The probability of rapid infiltration is low.

**S-6 (SC) Sensitive**

S-6 is a karst solution cavity with a small catchment area (<1.6 Acres). The feature was floored with loose organics. The probability of rapid infiltration is high.

**S-7 (SH) Not Sensitive**

S-7 is a karst sinkhole with a small catchment area (<1.6 Acres). The feature was rock rimmed and plugged with organic soil but no debris. The feature trended along a bearing of 180°. The probability of rapid infiltration is low.

**S-8 (SH) Sensitive**

S-8 is a karst sinkhole with a small catchment area (<1.6 Acres). The feature was filled with organics, loose leaves and a small dead oak tree in the center. The feature trended along a bearing of 325°. The probability of rapid infiltration is moderate.

**S-9 (SH) Sensitive**

S-9 is a karst sinkhole with a small catchment area (<1.6 Acres). The feature receives runoff and was filled with grass and dark tight wet soil. The probability of rapid infiltration is moderate.

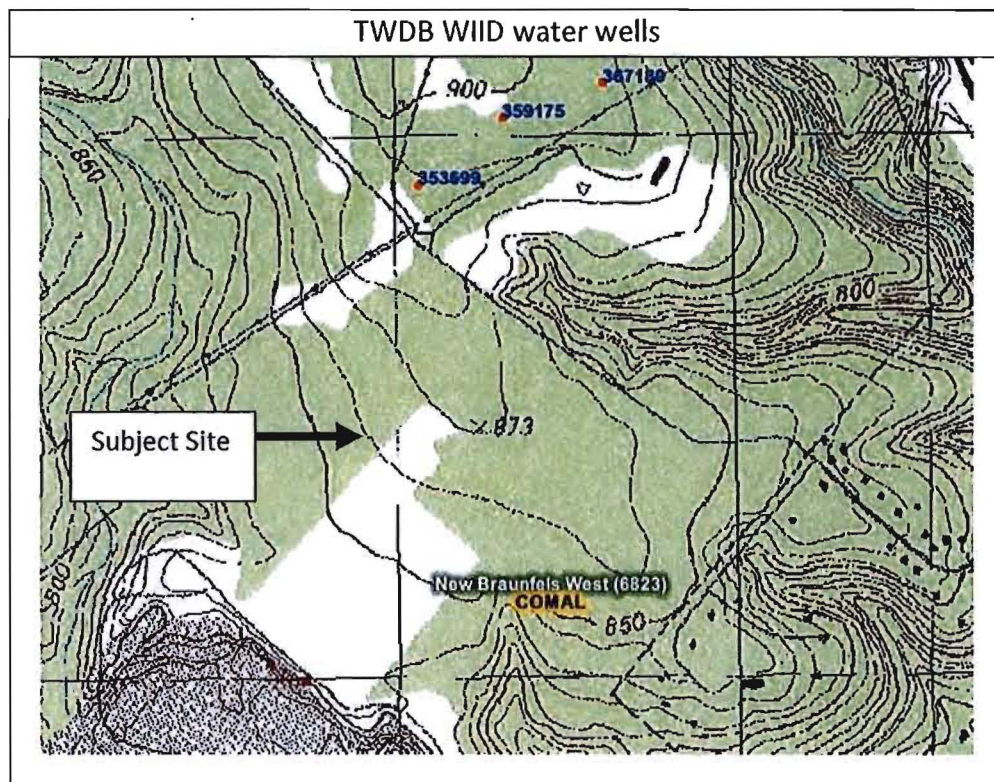


### Groundwater Elevation

The Texas Water Development Board WIID website was reviewed for water well information and for water elevation data. There are no wells on site, however several are located near the site. The nearest wells to the site are residential wells which were drilled in 1971 or before. There are three wells near the site drilled between 2013 – 2014. The locations are provided on the map below. Of the three wells mentioned above, well #353699 was identified as the nearest Edwards Aquifer well. A copy of the well log is attached. Well #353699 was drilled on 12/20/2013 to a depth of 620 feet below ground surface (bgs) and water level measurements were reported as (260' bgs). The log failed to report an elevation. Using the basemap topographic information provided by the WIID viewer, an elevation of 879 feet above mean sea level (amsl) was estimated. The approximate groundwater elevation was calculated as 619' amsl using the following equation.

$$\text{Approx. Elevation of Well (amsl)} - \text{Measured Water Level (bgs)} = \text{Approx. Groundwater Elevation}$$

$$879' \text{ amsl} - 260' \text{ bgs} = 619' \text{ amsl}$$





Selected Photographs



S-1: (CD)



S-2: (CD)





S-3: (CD)



S-4: (SH)





S-5: (CD)

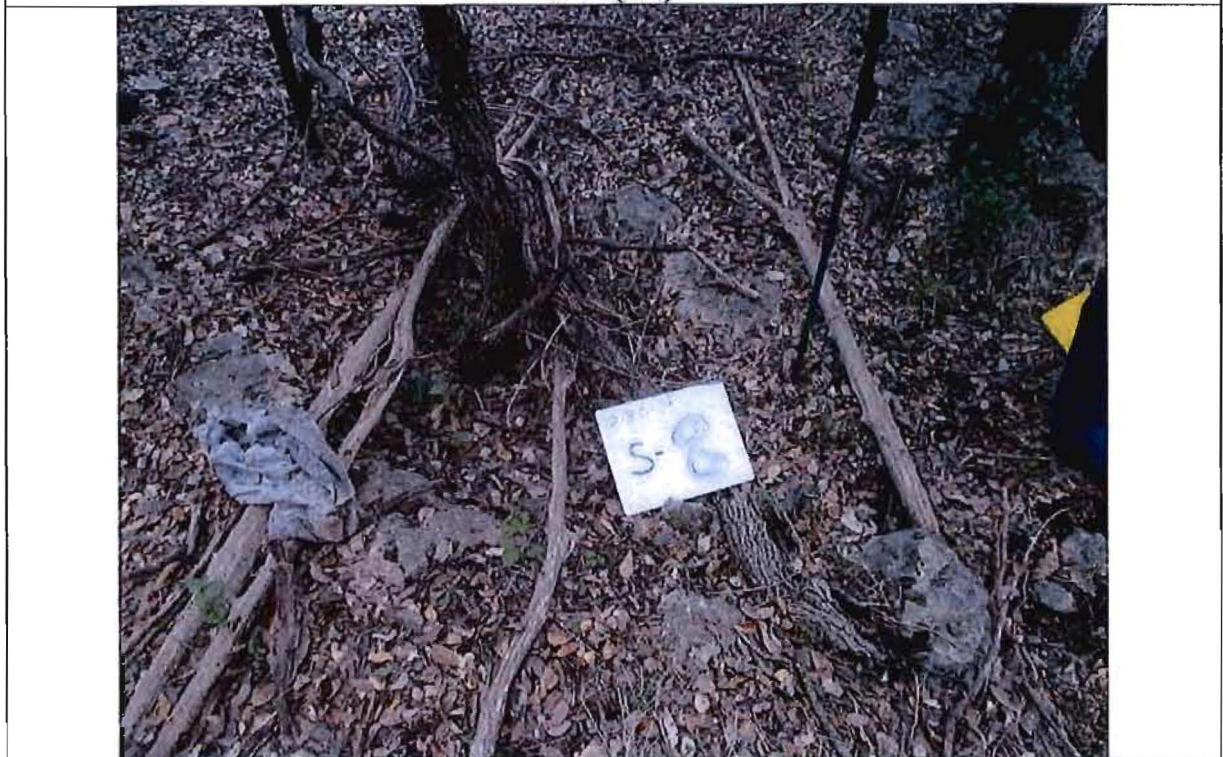


S-6: (SC)





S-7: (SH)



S-8: (SH)



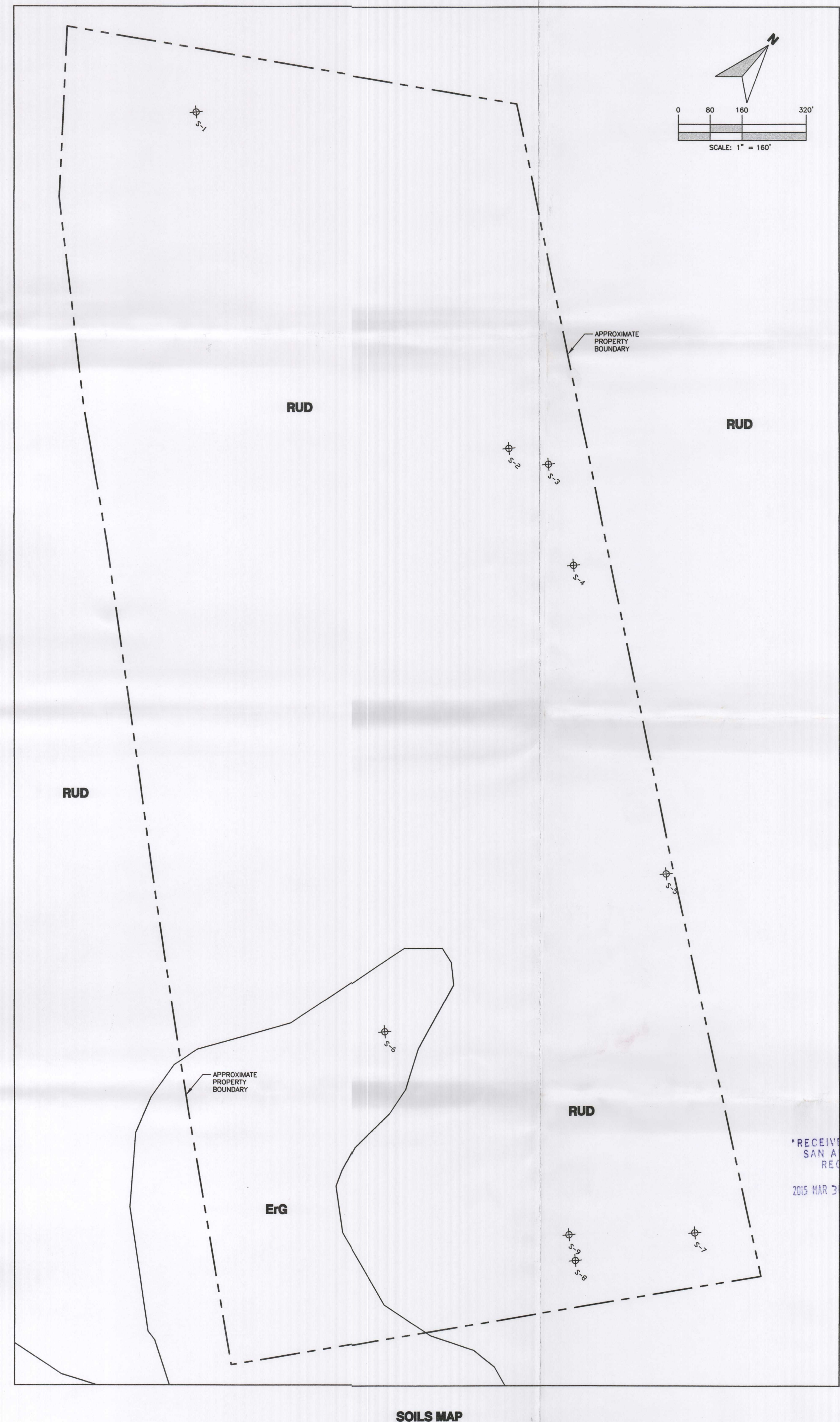
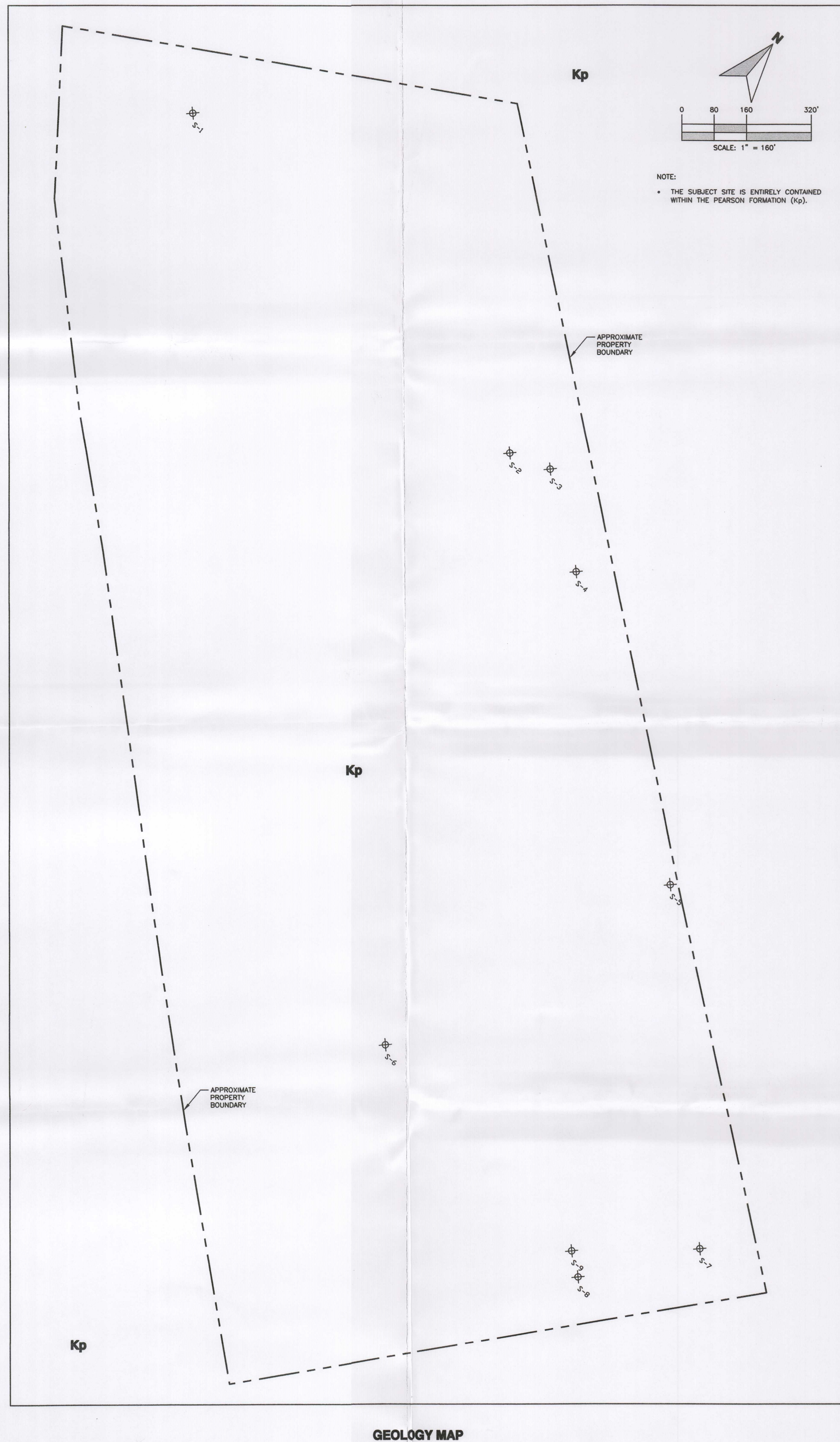


S-9: (SH)

### References

- Geologic Atlas of Texas, San Antonio Sheet, Texas Bureau of Economic Geology, 1974
- Instructions for Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones (TNRCC-0585-Instructions (Rev. 10-1-04)
- Texas Water Development Board WIID website, <http://twdb.state.tx.us> , well logs and groundwater data.
- United States Department of Agriculture, Natural Resource Conservation Service, Web Soil Survey interactive map,  
<http://websoilsurvey.sc.egov.usda.gov/App/%20WebSoilSurvey.aspx>
- Urban Hydrology for Small Watersheds, Technical Release No.: 55, Appendix A, Soil Conservation Service, 1986
- U.S.G.S. Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas; Water-Resources Investigations Report 95-4030
- Water well records, Texas Water Development Board, WIID Database





"RECEIVED TCEQ"  
SAN ANTONIO  
REGION  
2015 MAR 30 PM 4:05

IMAGE:	NONE
ISSUE DATE:	03/18/2015
DRAWN BY:	LJS
CHECKED BY:	TZ
SCALE:	1" = 160'
JOB #:	10101-015

SHEET #:  
**01**  
OF 01

**WESTWARD**  
Environmental Engineering, Natural Resources  
P.O. Box 2205 Boerne, Texas 78006  
(830) 249-8284 Fax: (830) 249-0221  
TBPE REG. NO.: F-4524  
TBPG REG. NO.: 50112

REV	DESCRIPTION	BY	DATE



**GEOLOGY & SOILS MAP**  
NEW BRAUNFELS QUARRY  
BRAUNTEX MATERIALS, INC.  
COMAL COUNTY, TEXAS



**Water Pollution Abatement Plan Application**  
for Regulated Activities  
on the Edwards Aquifer Recharge Zone  
and Relating to 30 TAC §213.5(b), Effective June 1, 1999

REGULATED ENTITY NAME: New Braunfels Quarry

**REGULATED ENTITY INFORMATION**

1. The type of project is:  
☐ Residential: # of Lots: \_\_\_\_\_  
☐ Residential: # of Living Unit Equivalents: \_\_\_\_\_  
☐ Commercial  
☒ Industrial  
☐ Other: \_\_\_\_\_
2. Total site acreage (size of property): 90
3. Projected population: 3
4. The amount and type of impervious cover expected after construction are shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	0.00	+ 43,560 =	0.00
Parking	13988.93	+ 43,560 =	0.32
Other paved surfaces	118602.33	+ 43,560 =	2.72
Total Impervious Cover	132591.26	+ 43,560 =	3.04
Total Impervious Cover ÷ Total Acreage x 100 =			3.37%

5. ☒ **ATTACHMENT A - Factors Affecting Water Quality.** A description of any factors that could affect surface water and groundwater quality is provided at the end of this form.
6. ☒ Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

**FOR ROAD PROJECTS ONLY**

Complete questions 7-12 if this application is exclusively for a road project.

7. Type of project:  
☐ TXDOT road project.  
☐ County road or roads built to county specifications.  
☐ City thoroughfare or roads to be dedicated to a municipality.  
☐ Street or road providing access to private driveways.
8. Type of pavement or road surface to be used:  
☐ Concrete  
☐ Asphaltic concrete pavement  
☐ Other: \_\_\_\_\_



9. Length of Right of Way (R.O.W.): \_\_\_\_\_ feet.  
 Width of R.O.W.: \_\_\_\_\_ feet.  
 $L \times W = \text{_____ Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} = \text{_____ acres.}$
10. Length of pavement area: \_\_\_\_\_ feet.  
 Width of pavement area: \_\_\_\_\_ feet.  
 $L \times W = \text{_____ Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} = \text{_____ acres.}$   
 Pavement area \_\_\_\_\_ acres  $\div$  R.O.W. area \_\_\_\_\_ acres  $\times 100 = \text{_____ \%}$  impervious cover.
11. \_\_\_\_\_ A rest stop will be included in this project.  
 \_\_\_\_\_ A rest stop will **not** be included in this project.
12. \_\_\_\_\_ 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

13.   X   **ATTACHMENT B - Volume and Character of Stormwater.** A description of the volume and character (quality) of the stormwater runoff which is expected to occur from the proposed project is provided at the end of this form. The estimates of stormwater runoff quality and quantity should be 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

14. The character and volume of wastewater is shown below:
- |                                |                               |
|--------------------------------|-------------------------------|
| 100% Domestic                  | <u>  6  </u> gallons/day      |
| <u>  0  </u> % Industrial      | <u>          </u> gallons/day |
| <u>  0  </u> % Commingled      | <u>          </u> gallons/day |
| TOTAL <u>  6  </u> gallons/day |                               |
- BASED ON 1 PORTA-TOILET AND 3 EMPLOYEES.**

15. Wastewater will be disposed of by:  
  N/A   **On-Site Sewage Facility (OSSF/Septic Tank):**  
 \_\_\_\_\_ **ATTACHMENT C - Suitability Letter from Authorized Agent.** An on-site sewage facility will be used to treat and dispose of the wastewater. The appropriate licensing authority's (authorized agent) written approval is provided at the end of this form. It states that the land is suitable for the use of an on-site sewage facility or identifies areas that are not suitable.  
 \_\_\_\_\_ 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.
- N/A   **Sewage Collection System (Sewer Lines):**  
 \_\_\_\_\_ Private service laterals from the wastewater generating facilities will be connected to an existing SCS.  
 \_\_\_\_\_ Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.

- ☐ The SCS was previously submitted on \_\_\_\_\_.
- ☐ The SCS was submitted with this application.
- ☐ The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

The sewage collection system will convey the wastewater to the \_\_\_\_\_  
(name) Treatment Plant. The treatment facility is:  
☐ existing.  
☐ proposed.

16. N/A All private service laterals will be inspected as required in 30 TAC §213.5.

## SITE PLAN REQUIREMENTS

Items 17 through 27 must be included on the Site Plan.

17. The Site Plan must have a minimum scale of 1" = 400'.  
 Site Plan Scale: 1" = 160'.
18. 100-year floodplain boundaries  
☐ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.  
☒ No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s):

FEMA FIRM PANEL 48091C0435F – Effective September 2, 2009

19. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Show lots, recreation centers, buildings, roads, etc. **FINAL CONTOURS ARE UNKNOWN AT THIS TIME; THE FINAL FLOOR ELEVATION WILL DEPEND ON SEVERAL VARIABLES SUCH AS ROCK QUALITY AND OPERATIONAL CONSIDERATIONS UNFORESEEABLE AT THIS TIME. HOWEVER, IT IS ANTICIPATED THAT THE FINAL ELEVATION WILL BE 25 FEET ABOVE THE GROUNDWATER LEVEL (APPROX. 644 FT).**
- ☐ The layout of the development is shown with existing contours. Finished topographic contours will not differ from the existing topographic configuration and are not shown.
20. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):  
☒ There are 0 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)  
☐ The wells are not in use and have been properly abandoned.  
☐ The wells are not in use and will be properly abandoned.  
☐ The wells are in use and comply with 16 TAC §76.  
☒ There are no wells or test holes of any kind known to exist on the project site.
21. Geologic or manmade features which are on the site:  
☒ All **sensitive** geologic or manmade features identified in the Geologic Assessment are shown and labeled.  
☐ No **sensitive** geologic or manmade features were identified in the Geologic Assessment.  
☐ **ATTACHMENT D - Exception to the Required Geologic Assessment.** An



exception to the Geologic Assessment requirement is requested and explained at the end of this form.

22. X The drainage patterns and approximate slopes anticipated after major grading activities.
23. X Areas of soil disturbance and areas which will not be disturbed.
24. X Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
25. X Locations where soil stabilization practices are expected to occur.
26. X Surface waters (including wetlands).
27. X Locations where stormwater discharges to surface water or sensitive features.  
     There will be no discharges to surface water or sensitive features.

#### ADMINISTRATIVE INFORMATION

28. X 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.
29. X Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

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 **WATER POLLUTION ABATEMENT PLAN APPLICATION FORM** is hereby submitted for TCEQ review and Executive Director approval. The form was prepared by:

Mary Ellen P. Schulle, P.E.

Print Name of Customer/Agent/Engineer

TX License No. 114545/ Firm No. 4524

  
Signature of Customer/Agent/Engineer

 3/26/15  
Date

**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Application**

**WPAP Application  
Attachment A**

**Factors Affecting Water Quality**

The major factor that could potentially affect water quality is sediment in stormwater runoff from the cleared areas. More remote factors include fuels and lubricants from vehicles and equipment and trash/debris.

Any spills or leaks will be cleaned up in a timely manner and will be disposed of properly. Trash receptacles are on-site for use by employees and visitors. Earthen berms located as shown on the WPAP Site Plan are proposed to capture sediment and control the flow of stormwater. Emergency vehicle repairs may be performed on-site.

**Attachment B**

**Volume and Character of Stormwater**

The subject site will have approximately 3 acres of impervious cover comprised of a haul entry/exit road and parking area. The volume of stormwater runoff will be negligible because the quarry pit will retain stormwater that falls into the pit. The pit will comprise about 93% of the property area (84 of 90 acres), or the entire site except for buffers as shown on the WPAP Site Plan, unless an agreement can be made with the adjacent landowner to mine to the property line. If an agreement is made, the entire site may be mined. In that case, stormwater will be kept separate between the two sites by means of maintaining a grade differential between the adjacent quarry and the New Braunfels quarry, or by using berms.

Due to the use of Temporary BMPs during construction the character of stormwater runoff which is expected to occur from the proposed project will be essentially the same as prior to the site. As quarrying activities continue, the volume of stormwater runoff from the site will be reduced because the quarry pit will ultimately retain the anticipated on-site and upgradient stormwater runoff. The runoff coefficient for the impervious areas is 0.9 and the runoff coefficient for predevelopment is 0.03 per TCEQ guidance.



1. WRITING CONSTRUCTION NOTIFICATION MUST BE GIVEN TO THE APPROPRIATE TCEQ REGIONAL OFFICE NO LATER THAN 48 HOURS PRIOR TO COMMENCEMENT OF THE REGULATED ACTIVITY. INFORMATION MUST INCLUDE THE DATE ON WHICH THE NOTIFICATION IS BEING GIVEN, THE DATES WHEN CONSTRUCTION ACTIVITY WILL BE INITIATED, THE TYPE OF THE PRIME CONTRACTOR AND THE NAME AND TELEPHONE NUMBER OF THE CONTACT PERSON.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF THE APPROVED ABATEMENT PLAN. FOR THE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
3. IF ANY SENSITIVE FEATURE IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. THE REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MAY NOT PROCEED UNTIL THE TCEQ REGIONAL OFFICE HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT THE SENSITIVE FEATURES, AND THE EDWARDS AQUIFER FROM ANY POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
4. NO TEMPORARY ABOVEGROUND HYDROCARBON AND HAZARDOUS SUBSTANCE STORAGE TANK SYSTEM IS INSTALLED WITHIN 150 FEET OF A DOMESTIC, INDUSTRIAL, IRRIGATION, OR PUBLIC WATER SUPPLY WELL, OR OTHER SENSITIVE FEATURE.
5. PRIOR TO COMMENCEMENT OF CONSTRUCTION, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE INSTALLED, SELECTED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND THE GOOD ENGINEERING PRACTICES. EROSION AND SEDIMENTATION CONTROLS SPECIFIED IN THE APPROVED ABATEMENT PLAN AND EDWARDS AQUIFER PROTECTION PLAN ARE REQUIRED DURING CONSTRUCTION. IF INSPECTIONS INDICATE A CONTROL HAS FAILED, THE EROSION AND SEDIMENTATION CONTROLS MUST BE IMMEDIATELY REPAIRED OR REPLACED. UNTIL THE SITE SITS DOWN, THE CONTROLS MUST REMAIN IN PLACE UNTIL DISTURBED AREAS ARE REVEGETATED AND THE AREAS HAVE BECOME PERMANENTLY STABILIZED.
6. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT THE FREQUENCY SUFFICIENT TO PREVENT THE SEDIMENT FROM BECOMING A SOURCE OF POLLUTION (E.G., FUGITIVE DUST IN STREET BEING WASHED INTO SURFACE STREAMS OR SENSITIVE FEATURES BY THE NEXT RAIN).
7. SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS OR SEDIMENTATION PONDS NOT LATER THAN WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%. A PERMANENT STAKE MUST BE PROVIDED THAT CAN INDICATE WHEN THE SEDIMENT CAPACITY IS 50% OF THE BASIN VOLUME.
8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES (E.G., SCREENING OUTLAYS, PICKED UP DAILY).
9. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER EROSION CONTROL MEASURES FOR EROSION OR DISPOSAL, AND SPILLS AT ANOTHER SITE. EDWARDS AQUIFER RECOVERED ZONE THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
10. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY IS TEMPORARILY OR PERMANENTLY CEASED. THE DATES WHEN CONSTRUCTION ACTIVITY IS TEMPORARILY OR PERMANENTLY CEASED IN THAT PORTION OF THE SITE, HAS TEMPORARILY OR PERMANENTLY CEASED, WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY WEATHER CONDITIONS, OR WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SEASONAL ADVERSE CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
11. THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST: THE DATES WHEN MAINTENANCE OF THE EROSION AND SEDIMENTATION CONTROLS WAS INITIATED, TEMPORARILY OR PERMANENTLY CEASED ON A PORTION OF THE SITE; AND THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
12. THE HOLDER OF ANY APPROVED EDWARDS AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
  - A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
  - B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED PROVIDED THAT CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;
  - C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

AUSTIN REGIONAL OFFICE 2800 S. IH 35, SUITE 100 AUSTIN, TEXAS 78704-5712 PHONE (512) 339-2929 FAX (512) 339-3795	SAN ANTONIO REGIONAL OFFICE 14250 JUDSON ROAD SAN ANTONIO, TEXAS 78233-4480 PHONE (210) 490-3098 FAX (210) 545-4329
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THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

### 1. COMPACTED EARTHEN BERM

**INSTALLATION:**

COMPRISED OF SOIL AND OVERBURDEN MATTER EITHER  
GENERATED ONSITE OR DELIVERED FROM OFFSITE. COMPACT  
WITH HEAVY EQUIPMENT IN 12" (MAX) LIFTS.

**MAINTENANCE:**  
INSPECT TEMPORARY BERMS WEEKLY. ANY EROSION SHOULD BE  
BACKFILLED AND COMPACTED. REPLACE AS NECESSARY.

2. ALTERNATE #1 & #2 ROCK BERMS (WEI

INSTALLATION:  
AGGREGATE USED SHOULD BE COMPRISED OF OPEN GRADED 3-5"  
DIAMETER ROCK. BERM SHOULD BE PLACED PERPENDICULAR TO FLOW  
LINE.

**MAINTENANCE:**  
INSPECT BERMS WEEKLY. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6". REPLACE WHEN ROCK BECOMES CLOGGED WITH SEDIMENT.

3. ROCK BERM (RG-348)

SHOULD BE SECURED WITH A WOVEN WIRE SHEATING, MAX. OPENING 1" AND MIN. WIRE DIA. 20 GAUGE GALVANIZED. SECURE WITH SHOAT RINGS.

INSTALLATION:  
AGGREGATE USED SHOULD BE COMPRISED OF OPEN GRADED 3-5" DIAMETER ROCK. BERM SHOULD BE PLACED PERPENDICULAR TO FLOW LINE. SIDE SLOPE MUST BE 2:1 OR FLATTER. WIRE SHEATHING MUST BE SECURED WITH TIE WIRE SO THEY OVERLAP AT LEAST 2". BERM SHOULD BE BURIED IN A TRENCH APPROX. 4" DEEP.

**MAINTENANCE:**  
INSPECT BERMS WEEKLY. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6".  
REPLACE WHEN ROCK BECOMES CLOGGED WITH SEDIMENT.

**GENERAL NOTES:**

1. FINAL GRADES SHOW ARE APPROXIMATE AND DEPEND ON ROCK QUALITY . FINAL PIT SLOPES ARE UNKNOWN, HOWEVER, FINISHED QUARRY FLOOR SLOPES WILL BE APPROXIMATELY 2%.
2. NUMEROUS EXISTING RANCH ROADS CRISS CROSS THE PROPERTY.
3. CONTRACTOR SHALL NOTIFY TEXAS811 ONE CALL SYSTEM (1-800-344-8377) 48 HOURS IN ADVANCE OF EXCAVATION.
4. CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES, SUCH AS ROCK BERMS AND EARTHEN BERMS WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.
5. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STDs OF TCEQ.
7. FOR ALL ADDITIONAL INFORMATION ON FEATURE ZONES SEE THE GEOLOGIC ASSESSMENT.
8. INITIAL QUARRY AREA MAY BE LOCATED ANYWHERE WITHIN THE MINING LIMITS.
9. FINAL QUARRY LIMITS WILL BE LOCATED 50' FROM THE PROPERTY LINE UNLESS AN AGREEMENT IS MADE WITH ADJACENT LAND OWNER TO MINE TO THE PROPERTY LINE.

NOTE: BERM MAY NOT BE NECESSARY IF BOTH PITS ARE GRADED TO DRAIN AWAY FROM PROPERTY LINE.

**A** **PHASE 2 QUARRY INTERFACE**  
1 SCALE : 1"=20'



IMAGE: GOOGLE 2014	
ISSUE DATE:	03/24/2015
DRAWN BY:	DJM
CHECKED BY:	MES
SCALE: 1" =	160'
JOB #:	10101-15

SHEET #: **1**  
OF 1

 **WESTWARD**  
Environmental, Engineering, Natural Resources.  
P.O. Box 2205 Boerne, Texas 78006  
(830) 249-4824 Fax: (830) 249-0221  
TBPB REG. NO.: F-4524  
TBPB REG. NO.: 50112

[illegible]

**SITE MAP**  
WPAP AND GA  
BRAUNTEX MATERIALS, INC  
NEW BRAUNFELS, TX



**Temporary Stormwater Section**  
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

REGULATED ENTITY NAME: New Braunfels Quarry

**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:
  - ☐ 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-site.
2. ☒ **ATTACHMENT A - Spill Response Actions.** A description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is provided at the end of this form.
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.** Describe in an attachment at the end of this form any other activities or processes which may be a potential source of contamination.
  - ☐ There are no other potential sources of contamination.

**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 provided at the end of this form. For each activity described, an estimate of the total area of the site to be disturbed by each activity is given.
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: Dry Comal Creek

**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.** A description of the TBMPs and measures that will be used during and after construction are provided at the end of this form. For each activity listed in the sequence of construction, include appropriate control measures and the general timing (or sequence) during the construction process that the measures will be implemented.

  X   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 has been provided in the attachment at the end of this form

- a. A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
- b. A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
- c. A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
- d. A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

8. The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.

  X   **ATTACHMENT E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is provided at the end of this form. The request includes justification as to why no reasonable and practicable alternative exists for each feature.  
       There will be no temporary sealing of naturally-occurring sensitive features on the site.

9.   X   **ATTACHMENT F - Structural Practices.** Describe the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site. Placement of structural practices in floodplains has been avoided.

10.   X   **ATTACHMENT G - Drainage Area Map.** A drainage area map is provided at the end of this form to support the following requirements. **SEE ATTACHED SITE PLAN.**

       For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.

       For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.

  X   For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.

— There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

11. N/A **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 has 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 provided as at the end of this form.
12. X **ATTACHMENT I - Inspection and Maintenance for BMPs.** A plan for the inspection of temporary BMPs and measures and for their timely maintenance, repairs, and, if necessary, retrofit is provided at the end of this form. A description of documentation procedures and recordkeeping practices is included in the plan.
13. X 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. X 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. X 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. X 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. X **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 at the end of this form.
18. X 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. X Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

#### ADMINISTRATIVE INFORMATION




20. X All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
21. X 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. X 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.

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:

Mary Ellen P. Schulle, P.E.

Print Name of Customer/Agent/Engineer

TX License No. 114545/ Firm No. 4524

  
Signature of Customer/Agent/Engineer



3/26/15  
Date

**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
**WPAP Application**

**Temporary Stormwater Section**  
**Attachment A**

**Spill Response Actions**

**Education**

(1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spill must be reported to the TCEQ.

(2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.

(3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).

(4) Establish a continuing education program to indoctrinate new employees.

(5) Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

**General Measures**

(1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, and substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up in a timely manner.

(2) Store hazardous materials and wastes in covered containers and protect from vandalism.

(3) Place a stockpile of spill cleanup materials where it will be readily accessible.

(4) Train employees in spill prevention and cleanup.

(5) Designate responsible individuals to oversee and enforce control measures.

(6) Spills should be covered and protected from stormwater run on during rainfall to the extent that it doesn't compromise cleanup activities.

(7) Do not bury or wash spills with water.

(8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.



**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
**WPAP Application**

(9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.

(10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.

(11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.

(12) Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

**Cleanup**

(1) Clean up leaks and spills in a timely manner.

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

(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

**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.

**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
**WPAP Application**

Spills should be cleaned up in a timely manner:

- (1) Contain spread of the spill.
- (2) Notify the project foreman in a timely manner.
- (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, contain the spill in a timely manner by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- (5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

**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 in a timely manner. 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.

In the event of a reportable spill, the following Emergency Response Agencies can be contacted for assistance. Always inform your supervisor of a reportable spill in a timely manner. Follow company policy when responding to an emergency.

State Emergency Response Commission	(512) 463-7727
National Response Center	(800) 424-8802
US EPA Region 6, Dallas, 24-hr Number	(866) 372-7745



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National Weather Service	(281) 337-5074
TCEQ 24-hr	(800) 832-8224
TCEQ Region 13 San Antonio	(210) 490-3096

**Vehicle and Equipment Maintenance**

- (1) If maintenance occurs on-site, use a designated area located away from drainage courses. Use BMPs such as berms, drip pans, or base pads to prevent run-on of stormwater and run-off of spills.
- (2) Regularly inspect on-site vehicles and equipment for leaks and repair in a timely manner
- (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 on-site.
- (4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
- (5) Place drip pans or absorbent materials under paving equipment when not in use.
- (6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
- (7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
- (8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
- (9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.
- (10) Brauntex Materials, Inc. will conduct regular vehicle and equipment on a base pad located in the fueling/parking and porta-toilet area. A mobile fuel/lube truck will be used. Emergency maintenance will occur on-site. BMPs such as berms, drip pans, and absorbent material will be used where a base pad is not feasible.

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**Vehicle and Equipment Fueling**

Equipment fueling will take place on a flex base pad located near the quarry in the fueling/parking and porta-toilet area. The flex base pad will be 1 ft. thick with a 1 ft. berm on all sides. The base pad will relocate as quarry expands. Fueling of plant equipment located in the pit will be conducted on a flex base pad. A mobile truck is used for fueling.



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**DETAILED TELEPHONE SPILL REPORT FORM**

Date of Incident: \_\_\_\_\_

Location of Incident: \_\_\_\_\_

Description of material spilled: \_\_\_\_\_

Quantity of material spilled: \_\_\_\_\_

Cause of spill: \_\_\_\_\_

Authorities notified: \_\_\_\_\_

Remediation/clean-up action: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective measures taken for prevention of reoccurrence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature: \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Emergency Number for the National Response Center 1-800-424-8802

**Brauntex Materials, Inc.**  
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**Portable Toilet BMPs**

A portable toilet will be used at the New Braunfels Quarry and will be handled in accordance with the following guidelines:

- A licensed waste collector should service all the toilets. **The following tasks will be performed by the portable toilet supplier:**
  - Empty portable toilets before transporting them.
  - Securely fasten the toilets to the transport truck.
  - Use hand trucks, dollies, and power tailgates whenever possible.
  - Suppliers should carry bleach for disinfection in the event of a spill or leak.
  - Inspect the toilets frequently for leaks and have the units serviced and sanitized at time intervals that will maintain sanitary conditions of each toilet.
- Locate portable toilets at least 20 feet from the nearest storm-drain inlet or sensitive-feature buffer area
- Prepare a level ground surface with clear access to the toilets.
- Secure all portable toilets to prevent tipping by accident, weather, or vandalism.

**Attachment B**

**Potential Sources of Contamination**

Potential sources of contamination in the project area are the soil, fuels and lubricants from vehicles and equipment, and trash/debris items.

**Attachment C**

**Sequence of Major Activities**

The project will consist of the construction of a 90 acre quarry. Clearing will be initiated in the initial 10 acre quarry area, as shown on the attached WPAP Site Plan. The cleared topsoil will be used to construct earthen berms surrounding the cleared area. Berms will be 2-4 feet high. After clearing is completed in the initial 10 acre quarry area, excavation of the quarry pit will begin in this area. Portions of the site, less than 10 acres, will be cleared in stages as quarrying progresses. The earthen berms surrounding the quarry will expand as the quarry expands to the Final earthen berm or property line. Mining may extend to the property line if an agreement can be made with the adjacent landowner.

**Attachment D**

**Temporary Best Management Practices (TBMPs)**

No streams or USGS blue lines run through the site. No part of the property is located within a floodplain. Earthen berms will be placed outside the pit area and will expand as the quarry pit does.



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Stormwater will be treated by a vegetative buffer downgradient of the parking/fueling area a temporary earthen berm.

Inspections of earthen berms and buffers will be performed to confirm their effectiveness and to remove excessive build-up according to TCEQ guidance (see the following example Inspection Form.)

7a) Pollution of surface water, groundwater or stormwater that originates upgradient from the proposed quarry pit will be redirected by earthen berms surrounding the disturbed areas of the site as shown on the WPAP Application Site Plan. A 50' vegetated buffer will filter stormwater from the fueling/parking area. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

7b) Pollution of surface water, groundwater or stormwater that originates on-site or flows off site will be retained in the quarry. Earthen berms will be used to direct stormwater around the plant/quarry. As the size of the quarry expands, the earthen berms will expand throughout the life of the project. It is not expected that any significant amount of groundwater will be encountered in the quarry excavation or as surface flow in disturbed areas of the site. Stockpiles will be located in the pit. A temporary natural buffer will be maintained along both sides of the haul road. This buffer will remain until the haul road is located in the pit. A temporary 50' natural buffer will filter stormwater from the fueling/parking area. A 50' buffer will be maintained along the property line unless an agreement can be made with the adjacent landowner to quarry to the property line. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

7c) The prevention of pollutants from entering surface streams, sensitive features or the aquifer will be mitigated by earthen berms and vegetated buffers which will be implemented as shown on the attached WPAP Application Site Plan.

7d) There are 3 sensitive features located at this site: S-6, S-8, and S-9. The features are located in a future mining area that will remain undisturbed and used for cows in the interim. As clearing progresses to within approximately 500' of a sensitive feature, rock berms and/or silt fences will be established around the feature. These BMPs will slow the flow of water, allowing for sedimentation. Earthen berms, vegetative buffer, and the quarry, which store flows, will be used as pollution prevention measures to mitigate runoff from larger disturbed areas. These larger disturbed areas have a greater potential to contain sediment, therefore these BMPs will be used to provide a higher level of protection to the aquifer.

As quarrying advances toward the feature, the feature will be temporarily sealed. Flow will be maintained to each of these features until such time as quarrying progresses near the feature, at which time each will be sealed flowable fill/concrete until they are quarried out.

Any possibly sensitive geologic feature discovered by mining staff or the professional geoscientist will be handled in the following manner: Sediment that can be easily removed from the area adjacent to the feature without disturbing the feature will be removed. Then a rock berm will be placed around the feature to control and filter any potential flows into the feature. After placement of the rock berm, the active work area of the quarry will be moved to another portion of the pit where the feature cannot be

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impacted by the continuing quarry operations. A Professional Geologist will be called to the site to observe and rate the feature. If the feature is determined to be sensitive in accordance with TAC 213 rules, the TCEQ will be notified and an appropriate method for addressing the feature will be formulated and submitted for TCEQ approval. Work will not resume in the area of the feature until the TCEQ approved method for addressing the feature has been carried out. A Professional Geoscientist will inspect the quarry quarterly for sensitive features. Annual feature recognition training will be provided to mining staff by a professional geoscientist.

**Attachment E**

**Request to Temporarily Seal a Feature**

The following sensitive features are proposed to be temporarily sealed and removed through mining:

S-6  
S-8  
S-9

Because the ultimate proposed land-use at the site is for quarrying, each of the naturally occurring sensitive features identified in the Geologic Assessment that are located within the proposed quarrying footprint will eventually be mined out. In order to protect the aquifer from possible contamination from sediment in stormwater during construction of the quarry, Brauntex will temporarily seal the naturally occurring sensitive features listed above using flowable fill/concrete. Those features will eventually be quarried out.

The alternative to sealing these features would be to not seal them, which would pose a greater threat to the aquifer, due to the potential for sediment to enter in runoff from adjacent disturbed areas. It is not reasonable or practical to avoid mining near or upgradient of sensitive features due to their spacing on-site. Mining around the sensitive features would create a safety hazard within the quarry because the features would be left atop pinnacles that would be very tall and slender. These pinnacles would be prone to collapse and would create unsafe working conditions within much of the quarry area.

**Attachment F**

**Structural Practices**

Temporary best management practices proposed for the quarry include earthen berms and natural buffers. The earthen berms are used to retain runoff and limit runoff discharge of pollutants from exposed areas of the site as well as to divert runoff away from exposed (disturbed) soils. The quarry pit will also be utilized to retain runoff and reduce runoff discharge of pollutants from exposed areas of the site. A 50' vegetated buffer will be located downgradient of the parking/fueling area and will be relocated as the quarrying advances. A 25' buffer will be located along either side of the haul road where it is located outside of the pit. A 50' buffer will also be maintained along the property line except where is shown on the WPAP Site Plan. Mining will extend to the property line if an agreement is reached with the adjacent landowner.



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**Attachment I**

**Inspection and Maintenance for BMPs**

Temporary earthen berms should be inspected weekly. Written documentation of these inspections should be kept during the course of construction at the project site (see following example Inspection Form.) Any erosion of berms should be backfilled and compacted as soon as possible.

Vegetated areas should be inspected quarterly; written documentation of those inspections should be kept during the course of construction at the project site. Trash should be removed and any eroded areas should be reseeded.

New Braunfels Quarry will be authorized to discharge stormwater under the TPDES General Permit No. TXR050000 for industrial activities. Requirements of the general permit include maintaining a SWP3 which includes inspections of stormwater best management practices and sampling of stormwater that is discharged from the site.

It is not anticipated that dewatering of the pit will be required. However, if necessary, mine dewatering will be accomplished according to the TCEQ stormwater regulations noted in the TPDES General Permit No. TXR050000 under Sector J for Mineral Mining and Processing Facilities.

Any dewatering required at the site would be accomplished using a pump to remove the water after solids have settled out and the water is tested and found to be in compliance with the numeric effluent limitations of TPDES General Permit No. TXR050000 Section J, (5)(ii) of 45 mg/L for a daily maximum and 25 mg/L for a daily average. These concentrations are lower than the estimated background concentration as stated in the Edwards Aquifer Technical Guidance Manual (RG-348) of 80 mg/L for undeveloped areas. The water would be discharged to a natural drainage area onto a rip rap pad such that soil erosion would be mitigated.

[illegible]

Earthen Berm

\* Erosion of earthen berm - fill eroded areas and compact

## Inspection Form



**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
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**Attachment J**

**Schedule of Soil Stabilization Practices**

**Interim Stabilization**

**A. Outside the Pit:**

Cleared areas and interim earthen berms may be disturbed for more than 14 days without stabilization because it is not practical to be continually stabilizing small areas prior to their excavation or stabilizing the earthen berms that are frequently relocated. The operator requires ample space in areas to be blasted for drilling and related equipment. It is a common industry practice to clear areas that are 2 or 3 times the proposed blast pattern width. These cleared areas will remain cleared until they are blasted. This timing depends upon many factors such as shot sizes, depths, production and sales rates, quality of rock, etc.

Because the soils overburden in these cleared areas have been removed and placed in an earthen berm adjacent to the cleared areas, erosion of these areas is mitigated. The earthen berms upgradient of the cleared areas divert upgradient stormwater away from cleared areas and earthen berms downgradient of cleared areas retain stormwater runoff from the cleared area. Temporary rock berms will mitigate any stormwater not retained by the earthen berms.

**B. Inside the Pit:**

Roads and stockpile areas do not need to be stabilized; the requirement for soil stabilization exists in order to control erosion and prevent pollutants from entering surface waters, streams and the aquifer through sensitive recharge features. The disturbed soils in the quarry pit will be retained in the pit thereby eliminating the need for soil stabilization in the pit to prevent pollutants from entering surface waters or streams. The BMP discussed in the WPAP Temporary Stormwater Section Attachment D (7.b) will mitigate infiltration of stormwater into the quarry floor. In addition it is not practical to stabilize areas of the pit with vegetation because often times areas of the pit will remain inactive for some period of time, then be reactivated.

**Permanent Stabilization**

**A. Outside the Pit:**

Final earthen berms outside the pit will be stabilized with native grasses. This naturally vegetated berm will retain stormwater within the pit.

The quarry pits will capture on-site stormwater flows. Any disturbed areas on-site at the end of quarrying that have not been quarried and do not drain into the pits will be revegetated to stabilize soils and reduce sediment in runoff.

**Brauntex Materials, Inc.**  
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**B. Inside the Pit**

The disturbed soils in the quarry pit will be retained in the pit thereby eliminating the need for soil stabilization. The BMP discussed in the WPAP Temporary Stormwater Section Attachment D (7.b) will mitigate infiltration of stormwater into the quarry floor.



**Permanent Stormwater Section**  
for Regulated Activities  
on the Edwards Aquifer Recharge Zone  
and Relating to 30 TAC §213.5(b)(4)(C), (D)(II), (E), and (5), Effective June 1, 1999

REGULATED ENTITY NAME: New Braunfels Quarry

**Permanent best management practices (BMPs) and measures that will be used during and after construction is completed.**

1. ☒ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
2. ☒ 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 provided below:  
  

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3. ☒ 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.
4. ☒ 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.  
  
☐ This site will be used for low density single-family residential development and has 20% or less impervious cover.  
☐ This site will be used for low density single-family residential development but has more than 20% impervious cover.  
☒ This site will not be used for low density single-family residential development.
5. ☒ The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

- ☐ **ATTACHMENT A - 20% or Less Impervious Cover Waiver.** This 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 found at the end of this form.
- ☐ This site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
- ☒ This site will not be used for multi-family residential developments, schools, or small business sites.

6. **ATTACHMENT B - BMPs for Upgradient Stormwater.**

- ☒ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is identified as **ATTACHMENT B** at the end of this form.
- ☐ If no surface water, groundwater or stormwater originates upgradient from the site and flows across the site, an explanation is provided as **ATTACHMENT B** at the end of this form.
- ☐ If 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, an explanation is provided as **ATTACHMENT B** at the end of this form.

7. **ATTACHMENT C - BMPs for On-site Stormwater.**

- ☒ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is identified as **ATTACHMENT C** at the end of this form.
- ☐ If 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, an explanation is provided as **ATTACHMENT C** at the end of this form.

8. ☒ **ATTACHMENT D - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features, or the aquifer is provided at the end of this form. Each feature identified in the Geologic Assessment as "sensitive" has been addressed.

9. ☒ The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.
- ☒ The permanent sealing of or diversion of flow from a naturally-occurring "sensitive" or "possibly sensitive" feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed for any naturally-occurring "sensitive" or "possibly sensitive" features on this site.
- ☐ **ATTACHMENT E - Request to Seal Features.** A request to seal a naturally-occurring "sensitive" or "possibly sensitive" feature, that includes a justification as to why no reasonable and practicable alternative exists, is found at the end of this form. A request and justification has been provided for each feature.

10. ☒ **ATTACHMENT F - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information have been signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed permanent BMPs and measures are provided at the end of this form. Design Calculations, TCEQ



Construction Notes, all man-made or naturally occurring geologic features, all proposed structural measures, and appropriate details must be shown on the construction plans.

11. X **ATTACHMENT G - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is provided at the end of this form. The plan has been prepared and certified by the engineer designing the permanent BMPs and measures. The plan has been signed by the owner or responsible party. The plan includes procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofits as well as a discussion of record keeping procedures.
12. X The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.  
— Pilot-scale field testing (including water quality monitoring) may be required for BMPs that are not contained in technical guidance recognized by or prepared by the executive director.  
— **ATTACHMENT H - Pilot-Scale Field Testing Plan.** A plan for pilot-scale field testing is provided at the end of this form.
13. X **ATTACHMENT I - 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 provided at the end of this form. 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 results in water quality degradation.

**Responsibility for maintenance of permanent BMPs and measures after construction is complete.**

14. X 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.
15. X 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.

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 **PERMANENT STORMWATER SECTION** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Mary Ellen P. Schulle, P.E.

Print Name of Customer/Agent/Engineer

TX License No. 114545/ Firm No. 4524

Signature of Customer/Agent/Engineer

Date



**Brauntex Materials, Inc.**  
**New Braunfels Quarry**  
**WPAP Application**

**Permanent Stormwater Section**  
**Attachment B**

**BMPs for Upgradient Stormwater**

It is not anticipated that there will be very much, if any, stormwater generated upgradient that flows across the site. In the event that there is, stormwater will be prevented from entering the quarry area by the use of earthen berms and natural buffers. The portion of the haul road located outside the pit will be treated by a 25' natural buffer on either side until it is located in the pit. A 50' natural buffer along the property line will mitigate flows entering and leaving the site. Mining will extend to the property line if an agreement is reached with the adjacent landowner. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

**Attachment C**

**BMPs for On-site Stormwater**

On-site stormwater will be contained in the quarry area by the use of earthen berms and natural buffers. The portion of the haul road located outside the pit will be treated by a 25' natural buffer on either side until it is located in the pit. A 50' natural buffer along the property line will mitigate flows leaving the site. Mining will extend to the property line if an agreement is reached with the adjacent landowner. In the event that Brauntex Materials, Inc. mines to the property line, stormwater will be kept separate from the adjacent quarry by mining deeper or using berms.

**Attachment D**

**BMPs for Surface Streams**

A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features or the aquifer:

During the life of the quarry, temporary earthen berms will be constructed as shown on the WPAP Site Plan to prevent pollutants from entering surface streams, sensitive features and the aquifer. Disturbed areas will be controlled by earthen berms, undisturbed areas, and the pit.

Permanent stormwater controls are those that are to remain in place after construction has been completed. At the time construction is completed at the subject site, on-site stormwater will be retained inside the pit. The vegetated final earthen berm and the 50' vegetated buffer that surround most of the site will be located along the property boundary, unless an agreement is reached with the adjacent landowner to mine to the property line.



**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Application**

**Attachment F**

**Construction Plans**

See WPAP Application Site Plan.

**Attachment G**

**Inspection, Maintenance, Repair and Retrofit Plan**

The final earthen berms will be inspected quarterly by Brauntex Materials, Inc. until stabilized with vegetation. The inspections will be documented and recorded. Any erosion of berms should be backfilled and compacted as soon as possible. Any maintenance or repair, including watering, etc., will be applied as necessary.

Vegetated buffers should be inspected at least twice annually, until the Final earthen berm has been vegetated, for erosion or damage to vegetation. Written documentation of these inspections should be kept during the course of construction at the project site. Bare spots and areas of erosion identified during inspections must be replanted. Trash and debris items should be removed.

**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Plan**

**Inspection, Maintenance, Repair and Retrofit Plan**

I, William D, Fischer, have read and understand the Inspection, Maintenance, Repair and Retrofit (IMRR) Plan contained in this Water Pollution Abatement Plan (WPAP).

I understand the specific Permanent Best Management Practices (PBMPs) and associated inspection and maintenance schedule which are outlined in this IMMR Plan. Brauntex Materials, Inc. will implement these inspections and perform maintenance as required to meet the intent of the IMMR Plan.

**Name and signature of responsible party for maintenance of permanent BMPs**

Print Name: William D. Fischer


Brauntex Materials, Inc.

Signature: 

Date: 12-24-14

**Name and signature of Engineer**

Print Name: Mary Ellen P. Schulle, PE  
Westward Environmental, Inc.  
Lic No. 114545

Signature: 



Date: 3/26/15



**Brauntex Materials, Inc.  
New Braunfels Quarry  
WPAP Application**

**Attachment I**

**Measures for Minimizing Surface Stream Contamination**

To avoid surface stream contamination, flows will be retained by earthen berms and vegetative buffers or retained in the quarry pit. The quarry pit will retain stormwater and any associated contaminants without discharge to surface water or stream channels. Disturbed areas that are inactive will be revegetated to slow the flow of and remove contaminants from runoff. The vegetated Final earthen berm will mitigate surface stream contamination. Because little runoff is expected from the site due to the proposed quarry pit, stream flashing, stronger flows, and increases in in-stream velocities are not expected to occur as a result of this project.

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

I William D. Fischer  
Print Name

Vice President  
Title - Owner/President/Other

of Brauntex Materials, Inc.  
Corporation/Partnership/Entity Name

have authorized Curt G. Campbell, PE, Mary Ellen Schulle, PE, Gary D. Nicholls, PE  
Print Name of Agent/Engineer

of Westward Environmental, Inc.  
Print Name of Firm

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

I also understand that:

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



SIGNATURE PAGE:

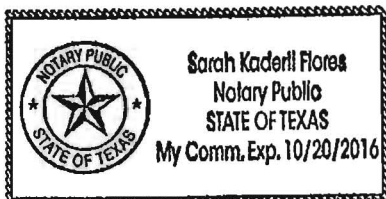
William D. Fischer  
Applicant's Signature

12-24-14  
Date

THE STATE OF Texas §  
County of Comal §

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

GIVEN under my hand and seal of office on this 24<sup>th</sup> day of December, 2014.



Sarah Kaderli Flores  
NOTARY PUBLIC  
Sarah Kaderli Flores  
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 10/20/2016

Texas Commission on Environmental Quality  
Edwards Aquifer Protection Program  
**Application Fee Form**

NAME OF PROPOSED REGULATED ENTITY: New Braunfels Site  
REGULATED ENTITY LOCATION: Wald Rd., New Braunfels, TX 78132  
NAME OF CUSTOMER: Brauntex Materials, Inc.  
CONTACT PERSON: Will Fischer PHONE: 830-625-6276  
(Please Print)

Customer Reference Number (if issued): CN 600618581 (nine digits)

Regulated Entity Reference Number (if issued): RN NEW (nine digits)

Austin Regional Office (3373) ☐ Hays ☐ Travis ☐ Williamson

San Antonio Regional Office (3362) ☐ Bexar ☒ Comal ☐ Medina ☐ Kinney ☐ Uvalde

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to (Check One):

☐ Austin Regional Office

☒ San Antonio Regional Office

☐ Mailed to TCEQ:


TCEQ - Cashier  
Revenues Section  
Mail Code 214  
P.O. Box 13088  
Austin, TX 78711-3088

☐ Overnight Delivery to TCEQ:

TCEQ - Cashier  
12100 Park 35 Circle  
Building A, 3rd Floor  
Austin, TX 78753  
512/239-1278

Site Location (Check All That Apply): ☐ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	Size	Fee Due
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	90 Acres	\$8,000
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

  
Signature

12-24-14  
Date

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

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors



in their information corrected. To review such information, contact us at 512/239-3282.

**Texas Commission on Environmental Quality  
Edwards Aquifer Protection Program  
Application Fee Schedule  
30 TAC Chapter 213 (effective 05/01/2008)**

**Water Pollution Abatement Plans and Modifications  
Contributing Zone Plans and Modifications**

PROJECT	PROJECT AREA IN ACRES	FEE
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1	\$3,000
	1 < 5	\$4,000
	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

**Organized Sewage Collection Systems and Modifications**

PROJECT	COST PER LINEAR FOOT	MINIMUM FEE MAXIMUM FEE
Sewage Collection Systems	\$0.50	\$650 - \$6,500

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

PROJECT	COST PER TANK OR PIPING SYSTEM	MINIMUM FEE MAXIMUM FEE
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

**Exception Requests**

PROJECT	FEE
Exception Request	\$500

**Extension of Time Requests**

PROJECT	FEE
Extension of Time Request	\$150



TCEQ Use Only

# TCEQ Core Data Form

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

## SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided)			
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application)			
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other	
2. Attachments Describe Any Attachments: (ex. Title V Application, Waste Transporter Application, etc.)			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		WPAP Application	
3. Customer Reference Number (if issued)		4. Regulated Entity Reference Number (if issued)	
CN 600618581		RN NEW	

## SECTION II: Customer Information

5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
6. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check only one of the following:			
<input type="checkbox"/> Owner		<input type="checkbox"/> Operator	
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Responsible Party	
<input checked="" type="checkbox"/> Owner & Operator		<input type="checkbox"/> Voluntary Cleanup Applicant	
<input type="checkbox"/> Other:			
7. General Customer Information			
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<input checked="" type="checkbox"/> No Change**			
**If "No Change" and Section I is complete, skip to Section III – Regulated Entity Information.			
8. Type of Customer:			
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
<input type="checkbox"/> City Government		<input type="checkbox"/> County Government	
<input type="checkbox"/> Federal Government		<input type="checkbox"/> State Government	
<input type="checkbox"/> Other Government		<input type="checkbox"/> General Partnership	
<input type="checkbox"/> Limited Partnership		<input type="checkbox"/> Other:	
9. Customer Legal Name (If an individual, print last name first: ex: Doe, John)			
Brauntex Materials, Inc.			
If new Customer, enter previous Customer below			
End Date:			
10. Mailing Address:			
1504 Wald Rd.			
City New Braunfels State TX ZIP 78132 ZIP + 4 5018			
11. Country Mailing Information (if outside USA)			
12. E-Mail Address (if applicable)			
wdfischer@brauntexmaterials.com			
13. Telephone Number		14. Extension or Code	
( 830 ) 625-6276			
15. Fax Number (if applicable)			
( ) -			
16. Federal Tax ID (9 digits)		17. TX State Franchise Tax ID (11 digits)	
		17415607724	
18. DUNS Number (if applicable)		19. TX SOS Filing Number (if applicable)	
		0023295700	
20. Number of Employees			
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher			
21. Independently Owned and Operated?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

## SECTION III: Regulated Entity Information

22. General Regulated Entity Information (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)			
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information <input type="checkbox"/> No Change** (See below)			
**If "NO CHANGE" is checked and Section I is complete, skip to Section IV, Preparer Information.			
23. Regulated Entity Name (name of the site where the regulated action is taking place)			



24. Street Address of the Regulated Entity: (No P.O. Boxes)	N/A							
	City	New Braunfels	State	TX	ZIP	78132	ZIP + 4	5018
25. Mailing Address:	1504 Wald Rd.							
	City	New Braunfels	State	TX	ZIP	78132	ZIP + 4	5018
26. E-Mail Address:								
27. Telephone Number			28. Extension or Code		29. Fax Number (if applicable)			
( 830 ) 625-6276					( ) -			
30. Primary SIC Code (4 digits)		31. Secondary SIC Code (4 digits)		32. Primary NAICS Code (5 or 6 digits)		33. Secondary NAICS Code (5 or 6 digits)		
1422				212312				
34. What is the Primary Business of this entity? (Please do not repeat the SIC or NAICS description.)								
Construction Materials								

Questions 34 – 37 address geographic location. Please refer to the instructions for applicability.

35. Description to Physical Location:	NW Corner of Wald Rd. and Landa St. in New Braunfels, TX.				
36. Nearest City	County	State	Nearest ZIP Code		
New Braunfels	Comal	TX	78132		
37. Latitude (N) In Decimal:	29.696419		38. Longitude (W) In Decimal:	-98.172891	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	41	47.11	98	10	22.41

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form or the updates may not be made. If your Program is not listed, check other and write it in. See the Core Data Form Instructions for additional guidance.

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

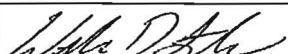
#### SECTION IV: Preparer Information

40. Name:	Dakota Mitchell	41. Title:	Staff Engineer, EIT
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
( 830 ) 249-8284		( 830 ) 249-0221	dmitchell@westwardenv.com

#### SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 9 and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	Brauntex Materials, Inc.	Job Title:	General Manager/Vice President
Name (In Print):	William D. Fischer	Phone:	( 830 ) 625-6276
Signature:		Date:	12-24-14