Buddy Garcia, *Chairman* Larry R. Soward, *Commissioner* Bryan W. Shaw, Ph.D., *Commissioner* Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 8, 2008

Mr. Todd McCullough TMB Interests, LLC PO Box 162462 Austin, Texas 78746

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: Gruene Haven; Located 6.7 miles west of IH-35 on the east side of FM 306; New Braunfels ETJ, Texas

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

Edwards Aquifer Protection Program ID No. 2733.00; Investigation No. 608673; Regulated Entity No. RN105371066

Dear Mr. McCullough:

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 Brown Engineering Company on behalf of TMB Interests, LLC on November 5, 2007. Final review of the WPAP was completed after additional material was received on December 21, 2007 and January 7, 2008. As presented to the TCEQ, the Temporary Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

PROJECT DESCRIPTION

The proposed single family residential project will have an area of approximately 101.14 acres. It will include 74 house lots and associated roadways. The impervious cover will be 17.34 acres (17.14%). According to a letter dated, January 7, 2008, signed by Shawn Schorn, E.I.T., with Comal County, the site in the development is acceptable for the use of on-site sewage facilities.

PERMANENT POLLUTION ABATEMENT MEASURES

Since this single-family residential project will not have more than 20 percent impervious cover, an exemption from permanent BMPs is approved.

REALY TO: REGION 13 @ 14250 JUDSON RD. • SAN ANTONIO, TEXAS 78233-4480 • 210-490-3096 • FAX 210-545-4329

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • Internet address: www.tceq.state.tx.us

permited environ had provide a provide and the

Mr. Todd McCullough January 8, 2008 Page 2

<u>GEOLOGY</u>

According to the geologic assessment included with the application, 16 geologic features and one manmade feature in bedrock were assessed as non-sensitive by the project geologist. The San Antonio Regional Office site assessment conducted on December 20, 2007 revealed the site is described by the assessment.

SPECIAL CONDITIONS

- I. The holder of the approved Edwards Aquifer WPAP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.
- II. 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.
- III. Since this project will not have more than 20% impervious cover, an exemption from permanent BMPs is approved. If the percent impervious cover ever increases above 20% or the land use changes, the exemption for the whole site as described in the property boundaries required by §213.4(g), may no longer apply and the property owner must notify the appropriate regional office of these changes.

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.

Prior to Commencement of Construction:

4.

5.

- 2. 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.
- 3. 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 and this notice of approval shall be maintained at the project location until all regulated activities are completed.
 - 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.
 - 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.

Mr. Todd McCullough January 8, 2008 Page 3

6.

7.

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.

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:

- 8. 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.
- 9. 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.
- 10. One 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 Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 11. 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.
- 12. 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.
 - 13. 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:

14. 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.

15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. 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.

- 16. 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.
- 17. 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.
- 18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Glenn Shankle Executive Director Texas Commission on Environmental Quality

GS/CEF/eg

Enclosure:

cc:

Deed Recordation Affidavit, Form TCEQ-0625 Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

Mr. Mark Brown, P.E., Brown Engineering Company Mr. Tom Hornseth, P.E., Comal County Mr. Bruce Boyer, City of New Braunfels Ms. Velma Danielson, Edwards Aquifer Authority TCEQ Central Records, Building F, MC 212

oma

CO.

BROWN ENGINEERING CO.

ENGINEERING CONSULTANTS 1000 CENTRAL PARKWAY N., S-100 SAN ANTONIO, TEXAS 78232 PHONE [210] 494-5511

December 21, 2007

14250 Judson	sion on Environmental Quality	FEB 0 7 2008	2007 DEC	SAN SAN
		COUNTY ENGINEER	N	- 25
	Gruene Haven Request for WPAP Approval Edwards Aquifer Protection Program II Regulated Entity No. RN105371066		1 PM 3: 38	

Dear Lynn,

We received your letter dated December 13, 2007requesting clarification of several portions of the referenced WPAP submittal. Listed below are the responses to your comments.

- 1. The suitability letter from Comal County and backround report has been included with this resubmittal package.
- 2. The differences with the two site boundaries occur because of an utility easement with P.E.C. There will be no construction or disturbance on that area.
- 3. The geologic assessment table was adjusted to include the water well as a man made feature. This well will be plugged and abandoned in accordance with all TCEQ regulations.
- 4. Finished contours were added to the site within the right-of-way and grading will not occur within single family lots except as shown on site plan.
- 5. For the site plan, the areas showing soil disturbance for the roads was added.
- 6. The 50' filterstrips will start at the edge of disturbed areas not the edge of the roadway. A note was added to the site plan stating the location of the 50' filter strip.
- 7. The major activities for this site will include storm drainage and excavation and backfill for the water lines. The storm drainage will consist of pipe culverts crossing the roads and minor bar ditches running along the roads, inside the right-of-way. Excavation and backfill for water line installation will occur within the right of way as well. The sequence of activities was modified to reflect these activities.
- 8. For individual lot and house padsites, the builder will be responsible for BMP measures, and filling SWPPP for lots.
- 9. The permanent stormwater section was updated to the current form dated 10/01/04.
- 10. Attachment I was updated to described active measures taken to minimize surface stream contamination.

- 11. A. Impervious cover is broken down to show that the site is less than 20%. This number should stand alone and was verified.
 - B. The 8.8 acres was revised to 11.71 acres to reflect total area disturbed within the rightof-way. The 11.71 acres is for site clearing of the roads only. The 17.8 acres of grading refers to the total site grading, inside and outside the right-of-way.
 - C. Attachment G refers to combined areas of disturbance within a single water basin, not the entire site.
 - D. Item 4 was revised to 30% of the lot will be disturbed due to home construction.
 - E. Item 4 was verified and matched the revised site plan

We appreciate your review of this supplemental information. Please contact us if additional information is required to finalize this application.

Sincerely,

BROWN ENGINEERING CO.

Mark S. Brown, P.E.

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: Gruene Haven Subdivision

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

- 1. <u>X</u> Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
- 2. X 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
- 3. X 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. X 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. X 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. <u>X</u> 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" or "possibly sensitive" has been addressed.

- 9. X 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 naturallyoccurring "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. <u>N/A</u> **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. <u>N/A</u> **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. <u>N/A</u> The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.
 - <u>N/A</u> 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.
 - <u>N/A</u> **ATTACHMENT H Pilot-Scale Field Testing Plan.** A plan for pilot-scale field testing is provided at the end of this form.
- 13. <u>N/A</u> **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 guality degradation.

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

- 14. <u>N/A</u> 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. <u>N/A</u> 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 nonresidential 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:

Mark S. Brown, P.E. Print Name of Customer/Agent

12.21.0

Date

Signature of Customer/Agent

Permanent Stormwater Section Form

ATTACHMENT I

MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION

The development is low density single family residential with less than 20% impervious cover.

All improved channels will have a velocity under 6 feet per second to reduce erosion and scouring, thus reducing stream contamination.

Temporary BMP measures will be used in areas under construction until paper vegetation is restored.

Storm flow energy dissipators will be used at the discharge point of small drainage channels when discharge velocities may cause scouring.

Temporary Storm Water Section Attachment C EROSION AND SEDIMENTATION (E & S) CONTROLS CHART

Sub-Area Label	Sub-Area Runoff	CFS	DA	Acres	Facility/Site Location Information:
Sub-Area Size	Acres Disturbed	Acres	TC	Minutes	Name: Gruen Haven Subdivsion
Name of Receiving	Gross Acres	Acres	I(2)	In./Hr.	Address:
	Final Runoff Coefficient	w. as	CR		City:State:X
			Q	cfs	Zip Code:
					Latitude N29°49'40" Longitude 98°06'11"

Distrubed Area (AC.)	SEQUENCE OF MAJOR DISTURBING ACTIVITIES	EROSION & SEDIMENTA	TION CONTROLS	EROSION & SEDIMENTATION IMPLEMENTATION	IMPLEMENTATION BY
		Stabilization	Structural	Commence/Complete	(for each control)
0.3	Construction Entrance	~	Stabilized Construction Entrance	Prior to commencement of construction	General Contractor
1.0	Clearing for E & S Facilities			Prior to any interior construction	General Contractor
N/A	Sensitive Features		Silt Fence or Silt Fence w/ Rock Berm	Prior to any interior construction	General Contractor
N/A	Diversion Berm or Swale			Prior to any interior construction	General Contractor
0.5	E & S Outlet Structure			Prior to any interior construction	General Contractor
11.71	Site Clearing	As Per Attachment "J" of Temporary Stormwater Section			General Contractor
N/A	Excavation - Buildings and Parking Lots	As Per Attachment "J" of Temporary Stormwater Section	Silt Fence or Rock Berm at Outlet	Prior to beginning any excavation w/in the applicable drainage area	General Contractor
2.5	Excavation - Storm Drains	As Per Attachment "J" of Temporary Stormwater Section	Silt Fence or Rock Berm at Outlet,Sandbag Gravel Filters at Inlet Throats	Prior to beginning any excavation w/in the applicable drainage area	General Contractor
N/A	Excavation & Backfill – Sanitary Sewer	As Per Attachment "J" of Temporary Stormwater Section	Silt Fence or Rock Berm at Outlet	Prior to beginning any excavation w/in the applicable drainage area	General Contractor
11.8	Excavation & Backfill - Water	Revegetate if denuded beyond 14 days without restart w/in 21 days	Silt Fence or Rock Berm at Outlet	Prior to beginning any excavation w/in the applicable drainage area	General Contractor
17.8	Grading	As Per Attachment "J" of Temporary Stormwater Section	Silt Fence or Rock Berm at Outlet	Prior to beginning any grading w/in the applicable drainage area	General Contractor
6.0	Utility Construction	As Per Attachment "J" of Temporary Stormwater Section	Silt Fence or Rock Berm at Outlet	Prior to street construction in the applicable drainage area	General Contractor
N/A	Revegetation	As Per Attachment "J" of Temporary Stormwater Section	Silt Fence or Rock Berm at Outlet	After completion of infrastructure work	General Contractor
N/A	Landscaping	Permanent stabilization provided within purchased residential lots		Final grading must be complete with all drainage facilities and velocity protection	Home Builder
N/A	Removal of E & S Controls	As Per Attachment "J" of Temporary Stormwater Section	-	After construction activity is substantially complete and the site is stable	General Contractor (PH 1) Home Builder (PH 2)

Dec 13 2007 10:09 P.01

DATE:		NUMBER OF PAGES (including this cover
TO:	Name	Mark Brown Jimm
	Organization	Brown Engineering 210/494-5511
	FAX Number	210/494-5519
FROM:	TEXAS COMMISSIO	N ON ENVIRONMENTAL QUALITY
	Name	Elaine G
	Division/Region	San Antonio Region 13
	Telephone Number	210/490-3096
	FAX Number	210/545-4329
NOTES:		
NOTES.		
	· · · · · ·	
		and the start of t
		/~··
معيية المدر	nu	

1

Buddy García, *Chairman* Larry R. Soward, *Commissioner* Bryan W. Shaw, Ph.D., *Commissioner* Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 13, 2007

Mr. Mark Brown, P.E. Brown Engineering Co. 1000 Central Pkwy North, Suite 100 San Antonio, Texas 78232

Re: Edwards Aquifer, Comal County

Regulated Entity No. RN105371066

NAME OF PROJECT: Gruene Haven; Located on FM 306, north of River Chase Drive; New Braunfels ETJ, Texas TYPE OF PLAN: Request for the Approval of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer; Edwards Aquifer Protection Program ID No. 2733.00; Investigation No. 608673;

Dear Mr. Brown:

We are in the process of technically reviewing the WPAP application you submitted on the above-referenced project. Before we can proceed with our review, the following comments relating to the application must be addressed.

1. For item #15 of TCEQ-0584, provide the suitability letter from Comal County stating the site's land is suitable for the use of onsite sewage facilities.

The geologic assessment map details a site boundary different than the boundary provided on the site plan. Please explain and provide revised sheets as necessary.

1: Lopm monday -

3. According to the "Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones" the geologic assessment table should include both geologic and manmade features identified at the site. Water wells are considered manmade features. Update the geologic assessment table, site plan and any other relevant form items or attachments to include the water well located at the site.

- a. Revise the site plan to include the appropriate OSSF separation distance for water wells and/or sensitive features.
- 4. The choice selected for Item #19 of TCEQ-0584 states existing and finished contours are shown on the site plan. Lipdate the site plan to include final contours or revise the response to Item #19.

REPLY TO: REGION 13 * 14250 JUDSON RD. * SAN ANTONIO, TEXAS 78233-4480 * 210-490-3096 * FAX 210-545-4329

Dec 13 2007 10:09

P.03

Mr. Mark Brown, P.E. December 13, 2007 Page 2

> Item #23 of TCEQ-0584 asks for areas of soil disturbance and areas not disturbed to be shown on the site plan. The site plan includes a legend detail of a gray box depicting "phase 1 construction." It appears this detail was not used nor was it shown on the site plan (i.e., there are no gray areas on the plan). Is "phase 1 construction" detailing the areas of soil disturbance? Provide an updated site plan showing the areas of soil disturbance and areas not to be disturbed.

> Atem #3 of the Construction Phasing Notes on the Site Plan sheet states, "all areas within 10' of the proposed street right of way will be disturbed." It appears the 50 foot width for the natural filter strip is measured from the edge of the roadway. Confirm the natural filter strip will be outside of any disturbed area and provide a revised site plan as necessary.

- 7. The sequence of major activities, Attachment C of TCEQ-0602, lists "Excavation storm drains" and "excavation & backfill water" as two activities occurring at the site. Explain if these activities will occur and revise the sequence of activities as necessary.
- 8. Provide a typical temporary BMP layout for individual lots under construction.
- 9. Resubmit the Permanent Stormwater Section on the current TCEQ form (Rev. 10/01/04).
- 10. Revise Attachment I of TCEQ-0600 to describe the actual measures that will be implemented to avoid or minimize surface stream contamination (increased stream flashing, stronger flows and velocities, etc.).
- 11. Confirm and explain the following impervious cover amounts and disturbed areas. Reconcile the discrepancies and provide revised attachments as necessary.
 - a. Impervious Cover of Proposed Project (Item 4 of TCEQ-0584): 17.34 acres total impervious cover
 - b. Sequence of Activities (Item 5 of TCEQ-0602): 8-8 acres disturbed for site clearing, 17.8 acres disturbed for site grading
 - c. Attachment G (Item 10 of TCEQ-0602): 11.95 acres total; 7.85 acres total phase 1; 4.1 acres total phase 2
 - d. Construction Phasing Notes from Site Plan: Item 3, 11.71 acres disturbed; Item 4, 60% of house lot disturbed or 28.16 acres.
 - 30¹⁶ construction Phasing Notes from SWPPP: Item 4, 30% of house lot disturbed or 28.16 acres

We ask that you submit one original and three copies of the amended materials to supplement the WPAP application to this office by no later than 14 days from the date of this letter to avoid denial of the plan. If the response to this notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, a second notice will be sent to you requiring a response within 7 days from the notice date. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that of the notice date. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or provides new information that is incomplete or inadequate, or provides new information that is incomplete or inadequate, or provides new information that is incomplete or inadequate, or provides new information that is incomplete or inadequate, or provides new information that is incomplete or inadequate, or provides new information that is incomplete or inadequate.

Mr. Mark Brown, P.E. December 13, 2007 Page 3

inadaquate, the application will be denied unless you provide written notification that the application is being withdrawn. Please note that the application fee will be forfeited if the plan is not withdrawn.

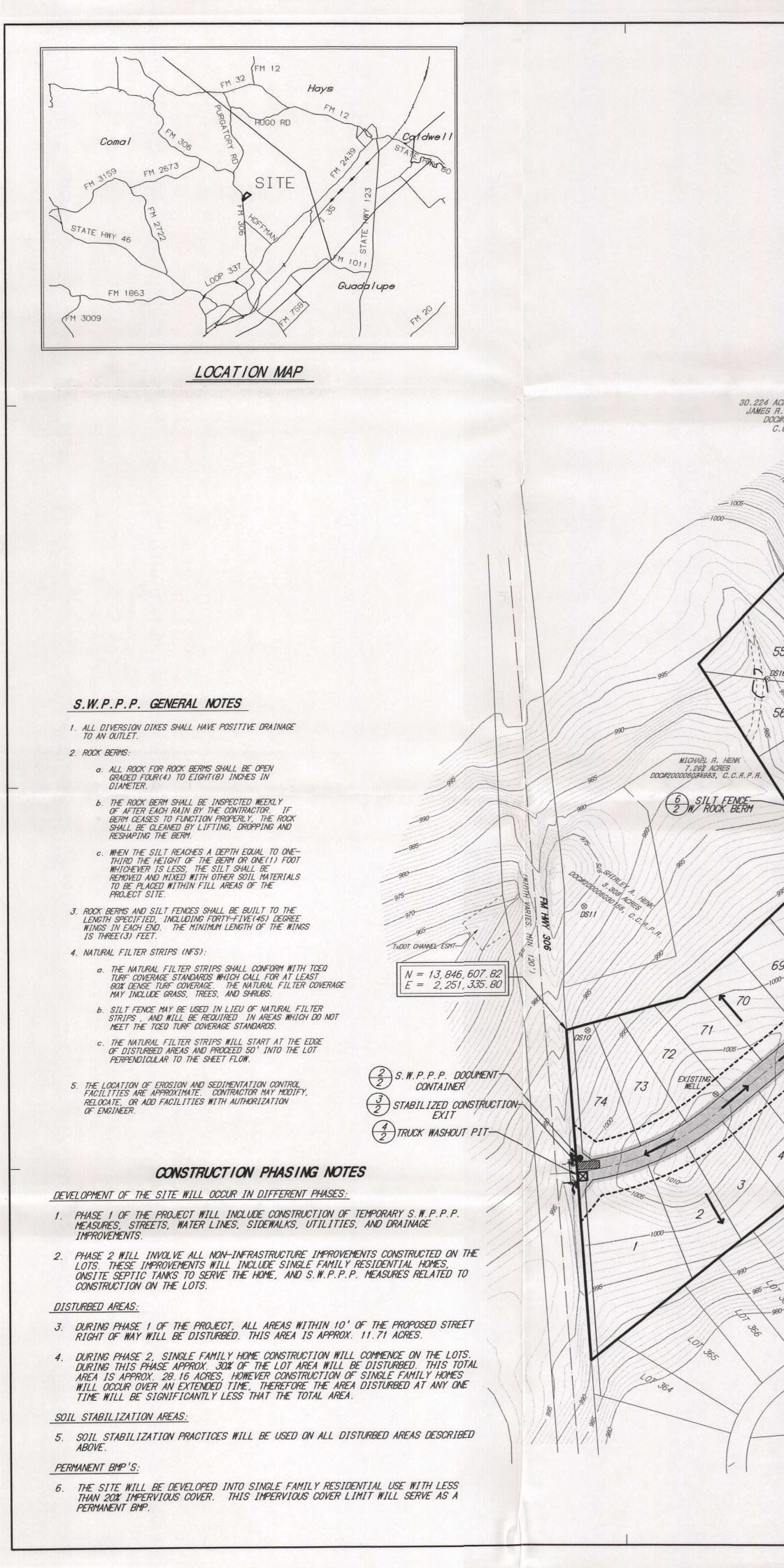
If you have any questions or require additional information, please contact Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,

Lynn M. Bumguardner Water Section Work Leader TCEQ San Antonio Regional Office

LMB/CEF/eg

fc:	Mr. Todd McCullough, TMB Interests, LLC	210-494-5519
	Mr. Mark Brown, P.E., Brown Engineering Co.	210-494-5519



A CEE - TINGT AT 45 45 45 45 45 45 45 45 45 45
24 ACRES - "TRACT 1" 56 A. WEIERSHAUSSEN 000495004711837 C. C. R. P. R. 40 40 40 40 40 40 40 40 40 40
100 28 SILT FENCE (PH. 1)
52 / 10 - 53 - 53 - 53 - 59 - 52 - 59 - 52 - 59 - 52 - 52 - 52
5/ 58 50 10 100 100 100 100 100 100 100 100 1
I. Britten construction notification must be given to the approved to the
NFSNATURAL FILTER STRIP PHASE 1 ⊗ DSXXGEOLOGIC FEATURE NFSGEOLOGIC FEATURE

