TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 14, 2008

Mr. Edward Niland
Rockfield Investments, LLC
2386 FM 2722
New Braunfels, Texas 78132-2852

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: Rockfield RV Park, located on the east side of FM 2722 about 2.4 miles north of the intersection of Hwy. 46, 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
Edwards Aquifer Protection Program ID No. 2832.00, Investigation No. 702727, Regulated Entity No. RN105618391

Dear Mr. Niland:

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 S. Craig Hollmig, Inc. on behalf of Rockfield Investments, LLC on September 4, 2008. Final review of the WPAP was completed after additional materials were received on October 30, 2008 and November 12, 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 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 Recreational Vehicle Park project has an area of approximately 10.709 acres. Seventeen (17) Recreational Vehicle Pad Sites with paved roads existed prior to submittal of the application. Proposed development will consist of eleven (11) additional Recreational Vehicle Pad Sites, one residential dwelling, and paved streets. The impervious cover will be 1.93 acres (18.0 percent). According to a letter dated September 4, 2008, signed by Robert Boyd, P.E., with Comal County, the site in the development is acceptable for the use of on-site sewage facilities.

PERMANENT POLLUTION ABATEMENT MEASURES

This small business will not have more than 20 percent impervious cover; therefore an exemption from any additional permanent BMPs is approved.

GEOLOGY

According to the geologic assessment included with the application, the site is on the Edwards Aquifer Recharge Zone. Limestone outcrops of the Kainer formation were noted at several locations across the site. Most of the visible rock was characterized as "float". No evidence of faulting or solution features ("no karst features") was noted by the geologist who performed a site reconnaissance. Black and brown calcareous stony clay (low permeability) soils were reported to be as much as one foot thick. The geologic assessment noted two possible recharge features, a water well and a septic system. Both were determined to be non-sensitive. No natural recharge features were reported.

The San Antonio Regional Office conducted an abbreviated site assessment on October 23, 2008. Several areas of weathered limestone were seen. The site which is on the south slopes of a hill drains to Blieders Creek (from south and southwest slopes) and to Elm Creek (from southeast slopes). Limestone boulders looked to be more abundant at slope breaks and in a drainage feature at the southwest end of the site. Some boulders displayed solution holes. The distribution of boulders in the area where roads and RV pads had been constructed was assumed to have been affected by construction activities. A closed depression (less than six feet in diameter) was noted among large boulders near a road. A geologist's evaluation of the depression was requested. The geologist responded that he believed the feature was "non-karstic" and suggested construction-related origins. No problems were noted with the geologic assessment included with the application.

SPECIAL CONDITIONS

I. Since this project will not have more than 20 percent impervious cover, an exemption from additional permanent BMPs is approved. If the percent impervious cover ever increases above 20 percent 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.

II. Regulated activities identified during the site assessment investigation constitute construction without the prior approval of the water pollution abatement plan as required by Commission rules (30 TAC Chapter 213). Therefore, the applicant is hereby advised that the after-the-fact approval of the development, as provided by this letter, shall not absolve the applicant of any prior violations of Commission rules related to this project, and shall not necessarily preclude the Commission from pursuing appropriate enforcement actions and administrative penalties associated with such violations, as provided in 30 TAC §213.10 of Commission rules.

III. Based on application information, the water supply system for the RV Park and residence may be a Public Water System. Please review 30 TAC Chapter 290, the TCEQ's rules relating to Public Drinking Water. Please contact this office to discuss your water system and any applicable Public Drinking Water requirements.

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 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. One well exists on the 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.

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 storm 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.

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.

If you have any questions or require additional information, please contact Alan G. Jones of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4074.

Sincerely,

Mark R. Vickery, P.G.
Executive Director
Texas Commission on Environmental Quality

LMB/AGJ/eg

Enclosure: Deed Recordation Affidavit, Form TCEQ-0625

cc: Mr. Jeffrey D. Moeller, P.E., S. Craig Hollmig, Inc.
Mr. James C. Klein, P.E., City of New Braunfels
Mr. Thomas H. Hornseth, P.E., Comal County
Ms. Velma Reyes Danielson, Edwards Aquifer Authority
TCEQ Central Records, Building F, MC 212

S. CRAIG HOLLMIG, INC.
CONSULTING ENGINEERS - SURVEYORS
410 N. SEGUIN STREET
NEW BRAUNFELS, TEXAS 78130-5085

TEXAS SOCIETY OF PROFESSIONAL ENGINEERS
AMERICAN SOCIETY OF CIVIL ENGINEERS

TEXAS SURVEYORS ASSOCIATION
TELEPHONE: (830) 625-8555 • FAX: (830) 625-8556

WATER SYSTEMS • SEWER SYSTEMS • SUBDIVISIONS • LAND PLANNING • STREETS • SURVEYING

November 10, 2008

Mr. Alan G. Jones
Field Operations Division, Region 13 (San Antonio)
Texas Commission on Environmental Quality
14250 Judson Road
San Antonio, TX 78233-4480

RE: Rockfield RV Park Water Pollution Abatement Plan Application, EAPP #2832.00

This letter is in response to a letter dated November 5, 2008 from TCEQ as it pertains to the Rockfield RV Park Water Pollution Abatement Plan Application. The comments received are in italics and our responses are in bold.

1. *A closed depression, a possible recharge feature, was noted during a site assessment done on October 23, 2008. The evaluation report done by Kevin Wooster, P.G. noted the feature was not a "closed depression" as no diameter was six or more feet. As it appears that the definition of a non-karst closed depression was used for justification, please explain any reasoning that lead to the non-karst origin for the depression.*

   As TCEQ states, the area questioned by TCEQ was assessed by the project geologist Kevin Wooster of Arias & Associates. He indicated that this was not a feature in his original GA and again in his re-assessment. TCEQ called it a "closed depression", which we disagree with. In an attempt to address TCEQ's claim that this area was a closed depression, Kevin noted it did not meet the requirements for a closed depression. Now TCEQ is asking for justification as to why we are calling it a non-karst feature.

   Again, we do not believe this is a karst or non-karst feature as defined in the "instructions to geologists" for assessments over the recharge zone. Attached is an email from Kevin restating his original opinion.

2. *During the same site assessment a discharge was noted near and west of the septic tank. Your response included a note from Dennis Roth that the aeration sprinkler for the septic system was repaired. Additional review of the application found that the license issued by Comal County does not agree with the information in the application. The license from Comal County to operate a private sewage facility is for 490 gallons per day, for five (5) RV's and one dwelling on a 10.709 acre tract. Please provide documentation*

8.795 A

Jeff D. Moeller

From: Kevin Wooster [kwooster@ariasinc.com]
Sent: Monday, November 10, 2008 10:00 AM
To: Jeff D. Moeller
Subject: Response

Jeff,

The feature does not merit further discussion, I stand by my original response. Instructions to Geologists requires documentation/evaluation of non-karst features if large enough to meet the definition, or those clearly formed by karstic process. I think its non-karstic and not large enough to qualify as CD. There are no characteristics of solution cavity or solution enlarged fracture present at this location.

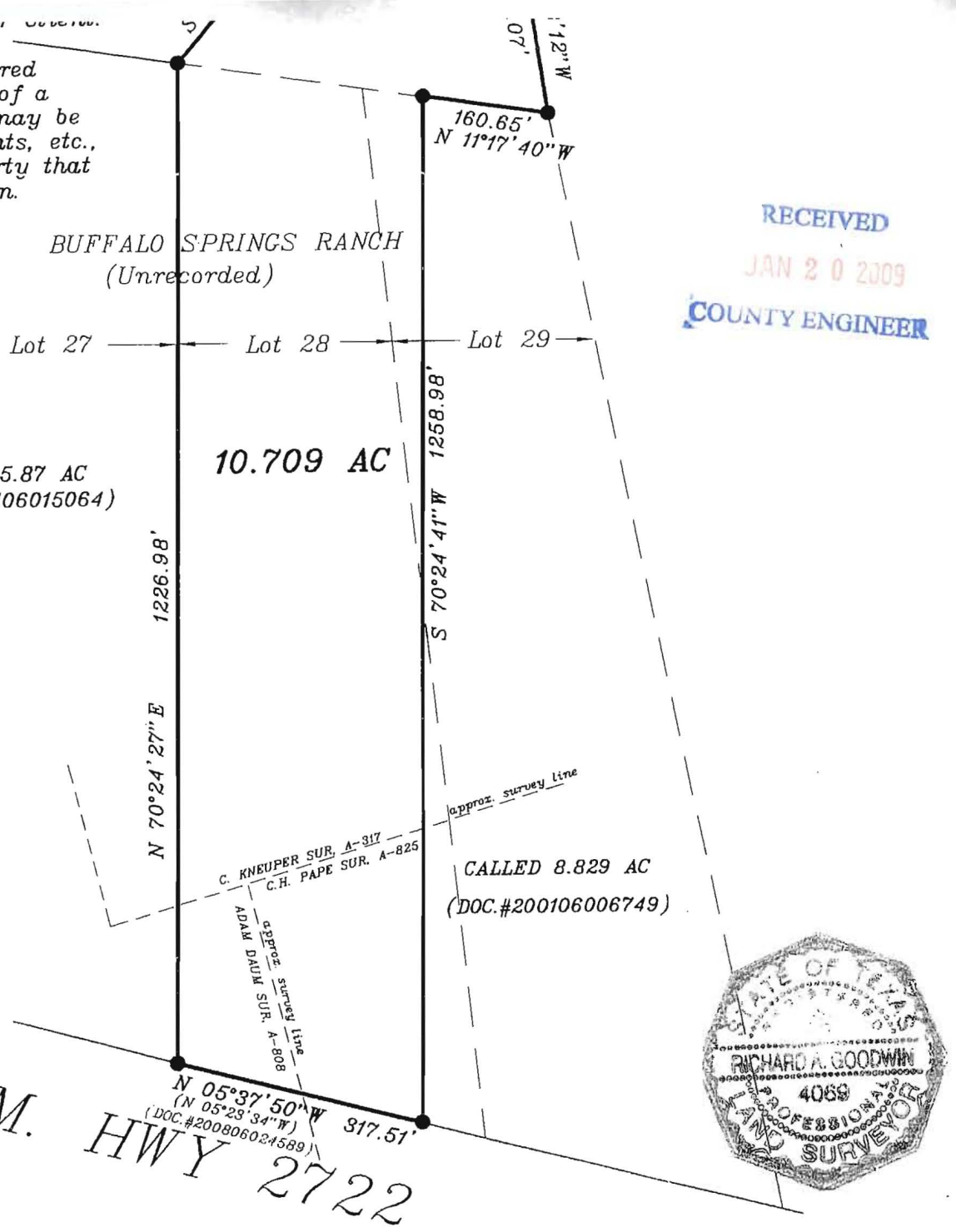
It would be purely speculative to attempt to explain its origin, or what caused it. Since it is near the road, it appears that maybe soil or a rock was removed during construction, or perhaps someone attempted to install a road sign there.

That whole area is a hillside of boulder float with separation between boulders, with fairly even soil profile across the area, with the exception of this location. Every campsite out there has a sign painted on large rectangular boulders. Perhaps a boulder was removed from this area to use as a sign, resulting in what is seen. Not sure what else I can tell you.

Kevin L. Wooster, P.G.
Arias & Associates
142 Chula Vista
San Antonio, TX 78232
(210) 308-5884 office
(210) 308-5886 fax

at the request of our client.

This plat was prepared without the benefit of a Title Report. There may be restrictions, easements, etc., affecting this property that are not shown hereon.



RECEIVED
JAN 20 2009
COUNTY ENGINEER

STATE OF TEXAL
RICHARD A. GOODWIN
4069
PROFESSIONAL
LAND SURVEYOR

Being 10.709 acres of land, being approx. 0.61 acres out of the Adam Daum Survey, A-808, approx. 8.789 acres out of the C. Kneuper Survey, A-317 and approx. 1.31 acres out of the C.H. Pape Survey, A-825, Comal County, Texas, being all of that certain 8.795 acre tract described in Doc# 200806024589 and 1.914 acres out of that certain 31.769 acre tract described in Doc# 465837, all of the Official Public Records of Comal County, Texas, and also being known as a portion of Lots 28 and 29 of an unrecorded subdivision called Buffalo Springs Ranch, Comal County, Texas.

This Survey is certified to: Edward A. Niland, Debra Niland, and Rockfield Investments, LLC.

STATE OF TEXAS
COUNTY OF COMAL

S. CRAIG HOLLMIG INC
410 N. SEGUIN
NEW BRAUNFELS TEXAS 78130
(830) 625-8666

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE ABOVE PLAT IS TRUE AND CORRECT ACCORDING TO AN ACTUAL SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

THIS 18TH DAY OF AUGUST 2008

RICHARD A. GOODWIN, RPLS # 4069

08520

S. CRAIG HOLLMIG, INC.
CONSULTING ENGINEERS - SURVEYORS
410 N. SEGUIN STREET
NEW BRAUNFELS, TEXAS 78130-5085

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AMERICAN SOCIETY OF CIVIL ENGINEERS

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TELEPHONE: (830) 625-8555 • FAX: (830) 625-8556

WATER SYSTEMS • SEWER SYSTEMS • SUBDIVISIONS • LAND PLANNING • STREETS • SURVEYING

October 29, 2008

Mr. Alan G. Jones
Field Operations Division, Region 13 (San Antonio)
Texas Commission on Environmental Quality
14250 Judson Road
San Antonio, TX 78233-4480

RE: Rockfield RV Park Water Pollution Abatement Plan Application

This letter is in response to the letter dated October 24, 2008 from TCEQ as it pertains to the Rockfield RV Park Water Pollution Abatement Plan Application. The comments received are in italics and our responses are in bold.

1. *A closed depression, a possible recharge feature, was noted during a site assessment done on October 23, 2008 (photo e-mailed to you. Please have it assessed by your project geologist.*

   The depression has been assessed by the project geologist Kevin Wooster of Arias & Associates. His assessment is attached in letter form. It is his opinion that the area in question does not meet the requirements of a closed depression.

2. *During the same site assessment a discharge was noted near and west of the septic tank (photo e-mailed to you). Please explain.*

   The picture emailed was of an aeration sprinkler for the septic tank. The septic system has been approved by Comal County for operation and is regularly maintained by Roth Septic. Enclosed is a hand written letter from Dennis Roth stating the sprinkler in question was changed and the issue identified is corrected.

3. *Details of proposed construction entrance/exit and of the silt fence (BMPs) should match their descriptions. See sections 1.4.2 and 1.4.3 of TCEQ's Technical Guidance Manual (RG-348). Please update (revise).*

   The details shown on the construction plans in the WPAP have been revised to match the descriptions in Sections 1.4.2 and 1.4.3 of TCEQ's Technical Guidance Manual (RG-348).

Please accept these comments and revisions to the WPAP for the referenced project. If you need additional information or have any questions, please do not hesitate to contact myself or James Ingalls.

Sincerely,

Jeff Moeller, P.E.
Attachments

ARIAS & ASSOCIATES
Geotechnical • Environmental • Testing

October 29, 2008
Arias Job No. 08-4155

Sent by Email: jeff@hollmiginc.com

Rockfield RV Park
c/o S. Craig Hollmig, Inc.
410 North Seguin
New Braunfels, Texas 78130
Attn: Mr. Jeff Moeller, P.E.

RECEIVED
JAN 2 0 2009
COUNTY ENGINEER

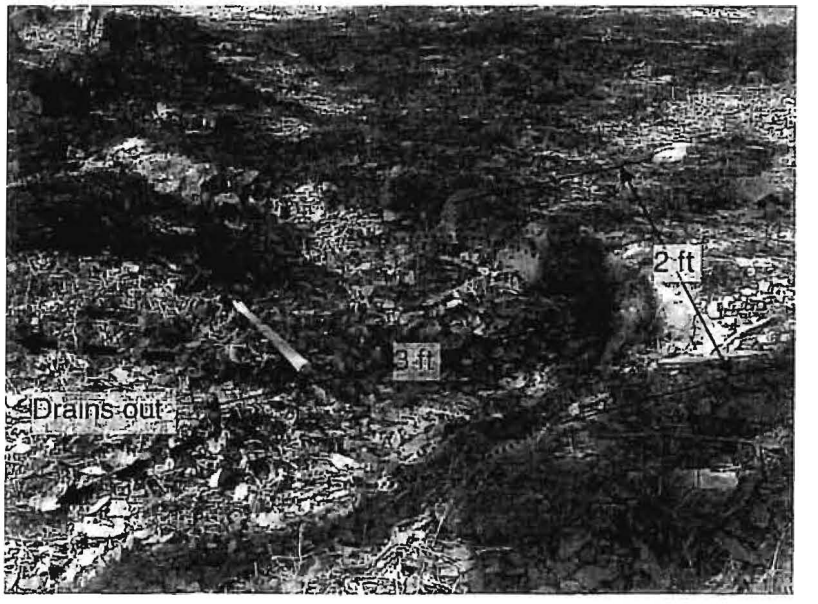
Re: Feature Assessment for WPAP Geologic Assessment
11-Acre Tract - Proposed Rockfield RV Park Expansion
2280 FM 2722
New Braunfels, Comal County, Texas

Dear Mr. Moeller:

Pursuant to your request, Arias & Associates, Inc. (Arias) is pleased to present this assessment of a possible closed depression identified by Texas Commission on Environmental Quality (TCEQ) personnel during their recent site visit to the above-referenced property.

Closed depression is defined under TCEQ's Instructions to Geologists as having dimensions: "six feet in one direction and with 6 inches of more of topographic relief". In our opinion, the feature is approximately 2 feet by 3 feet and about 8 inches deep, so it is not of sufficient size to meet the closed depression definition. See photograph below:

hammer is 1 foot long, for scale.



Sincerely,

ARIAS & ASSOCIATES, INC.

Kevin L. Wooster

Kevin L. Wooster, P.G.
Senior Environmental Geologist

762 Wilson
Eagle Pass, Texas 78852
(830) 757-8891
(830) 757-8899 Fax

142 Chula Vista
San Antonio, Texas 78232
(210) 308-5884
(210) 308-8731 Fax

1030 Logandale
Houston, Texas 77032
(281) 227-2243
(281) 227-7088 Fax

10/29/08

To: TCEQ

I Dennis Roth have a maintenance contract & do inspect the septic system at Rockfield R.V. Park. every 4 months.

Due to normal wear on the sprinkler going up & down, it is not uncommon for a sprinkler to siphon out after pumping. Sprinkler has been changed, problem should be solved.

Dennis Roth

Roth Septic
Off 830-906-2060
Fax 830-906-2061
Cell 830-708-1082

Texas Commission on Environmental Quality
Water Pollution Abatement Plan
General Construction Notes

1. 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.

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 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.

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 has reviewed and approved the methods proposed to protect the sensitive feature 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 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.

6. 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).

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 occupies 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 outfalls, picked up daily).

9. 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.

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

11. 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.

12. The holder of any approved Edward 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:

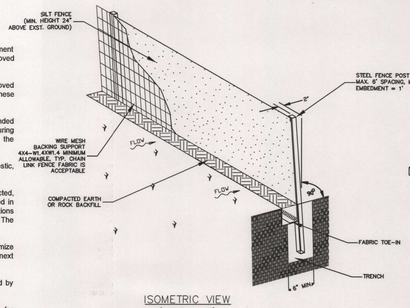
A. any physical or operational modification of any water pollution abatement structure(s), including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;

B. any change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;

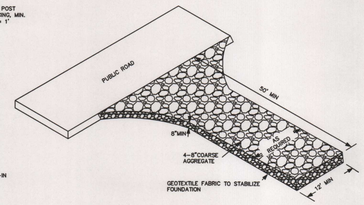
C. any development of land previously identified as undeveloped in the original water pollution abatement plan.

Austin Regional Office
2800 S. IH 35, Suite 100
Austin, Texas 78704-5712
Phone(512) 339-2929
Fax (512) 339-3795

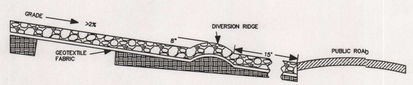
San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
Phone(210) 490-3096
Fax (210) 545-4329



ISOMETRIC VIEW
(NOT TO SCALE)



SCHEMATIC PLAN
(NOT TO SCALE)



CROSS SECTION CONSTRUCTION ENTRANCE/EXIT
(NOT TO SCALE)

SILT FENCE

Materials:

(1) Silt fence material should be polypropylene, polyethylene or polyamide woven or nonwoven fabric. The fabric width should be 36 inches, with a minimum unit weight of 4.5 oz/yd, mullen burst strength exceeding 190 lb/in2, ultraviolet stability exceeding 70%, and minimum apparent opening size of U.S. Sieve No. 30.

(2) Fence posts should be made of hot rolled steel, at least 4 feet long with Tee or Ybar cross section, surface painted or galvanized, minimum nominal weight 1.25 lb/ft2, and Brindell hardness exceeding 140.

(3) Woven wire backing to support the fabric should be galvanized 2" x 4" welded wire, 12 gauge minimum.

Installation:

(1) Steel posts, which support the silt fence, should be installed on a slight angle toward the anticipated runoff source. Post must be embedded a minimum of 1- foot deep and spaced not more than 8 feet on center. Where water concentrates, the maximum spacing should be 6 feet.

(2) Lay out fencing down-slope of disturbed area, following the contour as closely as possible. The fence should be sited so that the maximum drainage area is ¼ acre/100 feet of fence.

(3) The toe of the silt fence should be trenched in with a spade or mechanical trencher, so that the down-slope face of the trench is flat and perpendic ular to the line of flow. Where fence cannot be trenched in (e.g., pavement or rock outcrop), weight fabric flap with 3 inches of pea gravel on uphill side to prevent flow from seeping under fence.

(4) The trench must be a minimum of 6 inches deep and 6 inches wide to allow for the silt fence fabric to be laid in the ground and backfilled with compacted material.

(5) Silt fence should be securely fastened to each steel support post or to woven wire, which is in turn attached to the steel fence post. There should be a 3-foot overlap, securely fastened where ends of fabric meet.

(6) Silt fence should be removed when the site is completely stabilized so as not to block or impede storm flow or drainage.

Inspection and Maintenance Guidelines:
(1) Inspect all fencing weekly, and after any rainfall.

(2) Remove sediment when buildup reaches 6 inches.

(3) Replace any torn fabric or install a second line of fencing parallel to the torn section.

(4) Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.

(5) When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the silt fence should be revegetated. The fence itself should be disposed of in an approved landfill.

STABILIZED CONSTRUCTION ENTRANCE / EXIT

Materials:

(1) The aggregate should consist of 4 to 8 inch washed stone over a stable foundation as specified in the plan.

(2) The aggregate should be placed with a minimum thickness of 8 inches.

(3) The geotextile fabric should be designed specifically for use as a soil filtration media with an approximate weight of 6 oz/yd2, a mullen burst rating of 140 lb/in2, and an equivalent opening size greater than a number 50 sieve.

(4) If a washing facility is required, a level area with a minimum of 4 inch diameter washed stone or commercial rock should be included in the plans. Divert wastewater to a sediment trap or basin.

Installation:

(1) Avoid curves on public roads and steep slopes. Remove vegetation and other objectionable material from the foundation area. Grade crown foundation for positive drainage.

(2) The minimum width of the entrance/exit should be 12 feet or the full width of exit roadway, whichever is greater.

(3) The construction entrance should be at least 50 feet long.

(4) If the slope toward the road exceeds 2%, construct a ridge, 6 to 8 inches high with 3:1 (H:V) side slopes, across the foundation approximately 15 feet from the entrance to divert runoff away from the public road.

(5) Place geotextile fabric and grade foundation to improve stability, especially where wet conditions are anticipated.

(6) Place stone to dimensions and grade shown on plans. Leave surface smooth and slope for drainage.

(7) Divert all surface runoff and drainage from the stone pad to a sediment trap or basin.

(8) Install pipe under pad as needed to maintain proper public road drainage.

Inspection and Maintenance Guidelines:
(1) The entrance should be maintained in a condition, which will prevent tracking or lowing of edlment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment.

(2) All sediment spilled, dropped, washed or tracked onto public rights-of-way should be removed immediately by contractor.

(3) When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-of-way.

(4) When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin.

(5) All sediment should be prevented from entering any storm drain, ditch or water course by using approved methods.

HYDRAULIC MULCH

Materials:

Hydraulic Mulches: Wood fiber mulch can be applied alone or as a component of hydraulic matrices. Wood fiber applied alone is typically applied at the rate of 2,000 to 4,000 lb/acre. Wood fiber mulch is manufactured from wood or wood waste from lumber mills or from urban sources.

Hydraulic Matrices: Hydraulic matrices include a mixture of wood fiber and acrylic polymer or other tackifier as binder. Apply as a liquid slurry using a hydraulic application machine (i.e., hydro seeder) at the following minimum rates, or as specified by the manufacturer to achieve complete coverage of the target area: 2,000 to 4,000 lb/acre wood fiber mulch, and 5 to 10% (by weight) of tackifier (acrylic copolymer, guar, psyllium, etc.)

Bonded Fiber Matrix: Bonded fiber matrix (BFM) is a hydraulically applied system of fibers and adhesives that upon drying forms an erosion resistant blanket that promotes vegetation, and prevents soil erosion. BFMs are typically applied at rates from 3,000 lb/acre to 4,000 lb/acre based on the manufacturer's recommendation. A biodegradable BFM is composed of materials that are 100% biodegradable. The binder in the BFM should also be biodegradable and should not dissolve or disperse upon re-wetting. Typically, biodegradable BFMs should not be applied immediately before, during or immediately after rainfall if the soil is saturated. Depending on the product, BFMs typically require 12 to 24 hours to dry and become effective.

Installation:
(1) Prior to application, roughen embankment and fill areas by rolling with a crimping or punching type roller or by track walking. Track walking shall only be used where other methods are impractical.

(2) To be effective, hydraulic matrices require 24 hours to dry before rainfall occurs.

(3) Avoid mulch over spray onto roads, sidewalks, drainage channels, existing vegetation, etc.

Inspection and Maintenance Guidelines:
(1) Mulched areas should be inspected weekly and after each rain event to locate and repair any damage.

(2) Areas damaged by storms or normal construction activities should be regraded and hydraulic mulch reapplied as soon as practical.

SOIL STABILIZATION NOTE

ALL DISTURBED SOILS SHOULD BE SEEDED OR OTHERWISE STABILIZED WITH 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE THAN 21 DAYS.

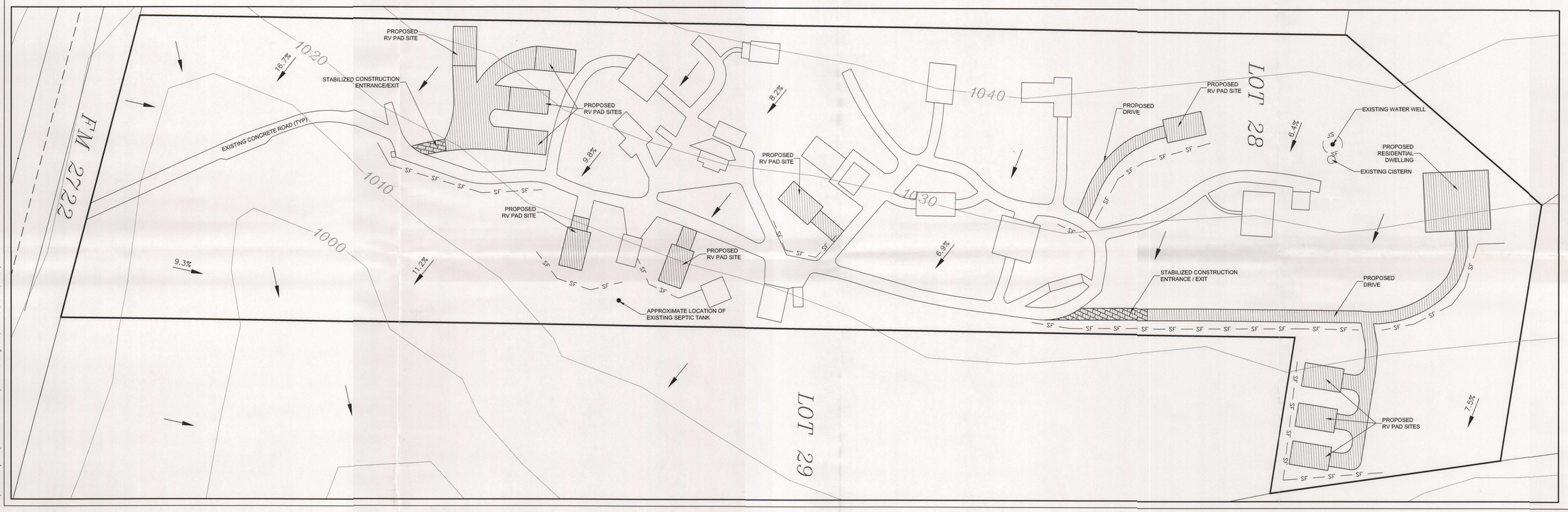
GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

LEGEND

STABILIZED CONSTRUCTION ENTRANCE
SILT FENCE
DISTURBED AREA
DRAINAGE FLOW ARROW

Disturbed Area Summary		
	Area (sf)	Area (ac)
Structures	14560	0.34
Pavement	16225	0.38
Total Disturbed Area		**0.72**
Total Un-Disturbed Area		**9.99**
Total Area		**10.71**

DRAINAGE AREA (27.5 AC) FLOWS SOUTH THROUGH EXISTING LOW AND INTO UNNAMED TRIBUTARY OF BLIEDERS CREEK



S. CRAIG HOLLMIG, INC.
CONSULTING ENGINEERS - SURVEYORS
410 N. SEGUIN STREET
NEW BRAUNFELS, TEXAS 78130-5085
PH:(830)625-8555 FAX:(830)625-8556 EMAIL: engr@craighollmiginc.com

WATER POLLUTION ABATEMENT PLAN
SITE PLAN

REVISIONS:
10-29-08 REVISED BMP DETAILS ACCORDING TO TCEQ LETTER DATED 10-24-08

ROCKFIELD RV PARK

New Braunfels, Texas

CHECKED	DRAWN
JDM	JII
DATE	
September 2, 2008	
SHEET NUMBER	
OF	

N:\2008 Projects\Rockfield RV Park\Site Plan.dwg Wed, Oct 29, 2008, 4:23pm

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 5, 2008

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

Re: Edwards Aquifer, Comal County
PROJECT NAME: Rockfield RV Park, located on the east side of FM 2722 approximately 2.4 miles north of State Highway 46, New Braunfels, Comal County Texas
PLAN TYPE: Application for Approval of a Water Pollution Abatement Plan (WPAP) 30 Texas Administration Code (TAC) Chapter 213; Edwards Aquifer Protection Program
EAPP File No.: 2832.00

Dear Mr. Hornseth:

The enclosed WPAP application received on September 4, 2008, 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.

Please forward your comments to this office by October 3, 2008.

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

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

LMB/eg

2832.00

WATER POLLUTION ABATEMENT PLAN

FOR

ROCKFIELD RV PARK

PREPARED FOR
Texas Commission on Environmental Quality
Region 13 – San Antonio
14250 Judson Road
San Antonio, Texas 78233
210-490-3096 (office)
210-545-4329 (fax)

PREPARED BY
S. Craig Hollmig, Inc.
Jeffrey D. Moeller, P.E.
410 N. Seguin St
New Braunfels, TX 78130

8/28/08
Revised 9/3/08

Submitted
August 28, 2008

Rockfield Investments, LLC
2386 FM 2722 New Braunfels, Texas 78132
830-905-4044

August1, 2008

Lynn Baumguardner
Texas Commission on Environmental Quality
Region 13 – Edwards Aquifer Program
14250 Judson Rd.
San Antonio, TX 78233

Subject: WPAP Permit Application

Dear Ms. Baumguardner:

We own and operate a small RV Park in Comal County located at 2280 FM 2722, New Braunfels, Texas 78132. We recently became aware that our R.V. Park is required to possess a Water Pollution Abatement Plan (WPAP) permit, and we are in the process of preparing an application.

This letter is to advise your agency that:

1. We are aware of the WPAP Permit requirement and will comply.
2. We have contracted with Craig Hollmig, Inc. Consulting Engineers, New Braunfels, Texas to prepare the WPAP application for submittal to your agency. Mr. Jeff Moeller, P.E. is the consulting engineer managing the application process and he can be reached at 830-625-8555.
3. At this time we anticipate having the application submitted to your agency within the next thirty days.

Please contact either Mr. Jeff Moeller or myself with any question concerning this permit application.

Sincerely,

Edward Niland,
Vice President

Cc: Jeff Moeller, Hollmig Consulting Engineering

WATER POLLUTION ABATEMENT PLAN

FOR

ROCKFIELD RV PARK

PREPARED FOR
Texas Commission on Environmental Quality
Region 13 – San Antonio
14250 Judson Road
San Antonio, Texas 78233
210-490-3096 (office)
210-545-4329 (fax)

PREPARED BY
S. Craig Hollmig, Inc.
Jeffrey D. Moeller, P.E.
410 N. Seguin St
New Braunfels, TX 78130

Submitted
August 28, 2008

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: Rockfield RV Park
COUNTY: Comal STREAM BASIN: Un-named Tributary of Blieders Creek

EDWARDS AQUIFER: _X_ RECHARGE ZONE
___ TRANSITION ZONE

PLAN TYPE: _X_ WPAP ___ AST ___ EXCEPTION
___ SCS ___ UST ___ MODIFICATION

CUSTOMER INFORMATION

1. Customer (Applicant):

Contact Person: Edward Niland
Entity: Rockfield RV Park
Mailing Address: 2386 FM 2722
City, State: New Braunfels, Texas Zip: 78132
Telephone: (210) 867-1333 FAX: (210) 224-7540

Agent/Representative (If any):

Contact Person: Jeffrey D. Moeller, P.E.
Entity: S. Craig Hollmig, Inc.
Mailing Address: 410 N. Seguin Street
City, State: New Braunfels, Texas Zip: 78130
Telephone: (830) 625-8555 FAX: (830) 625-8556

2. ___ This project is inside the city limits of _____.
_X_ This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of City 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.

The project site is located on east side of FM 2722 approx. 2.4 miles north of the intersection at SH 46.

4. _X_ **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. _X_ **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:

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

6. X 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. X **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)
X Other: RV Park

PROHIBITED ACTIVITIES

9. X 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. N/A 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:

X 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 Contributing Zone Plan.

___ 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 three (3) copies of the completed application to the appropriate regional office for distribution by the TCEQ to the local municipality or county, groundwater conservation districts, and the TCEQ's Central 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.

___ No person shall commence any regulated activity until the Contributing Zone Plan for the activity has been filed with 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:

Jeffrey D. Moeller, P.E.
Print Name of Customer/Agent

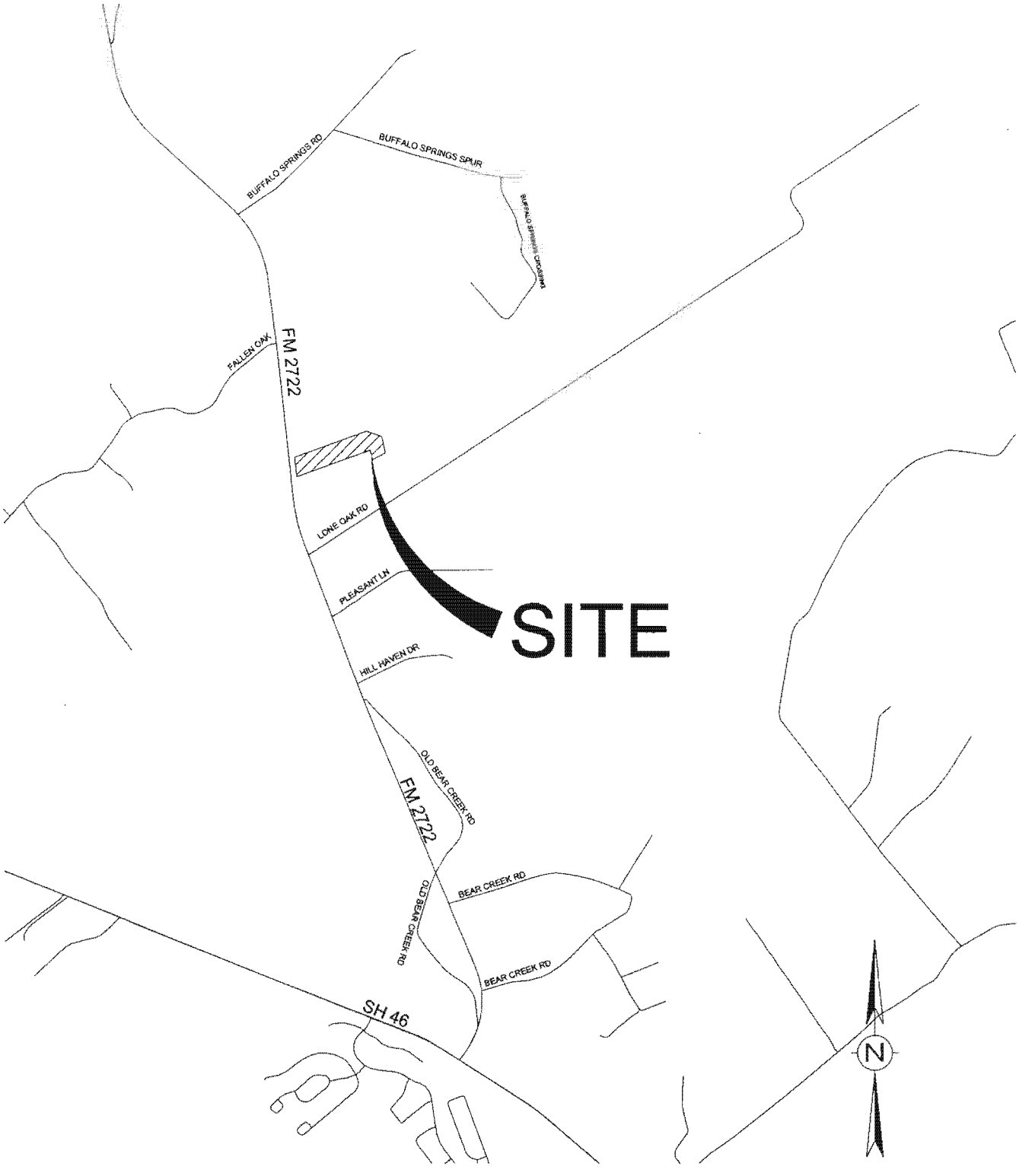
Signature of Customer/Agent

8/28/08
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.

ATTACHMENT A



NOT-TO-SCALE

S. CRAIG HOLLMIG, INC.

CONSULTING ENGINEERS - SURVEYORS

410 N. SEGUIN STREET
NEW BRAUNFELS, TEXAS 78130-5085
PH: (830)625-8555 FAX: (830)625-8556 EMAIL: engr@hollmiginc.com

LOCATION MAP
ROCKFIELD RV PARK

DRAWN BY: JH CHECKED BY: JDM

DATE: 8/2008

SHEET 1 OF 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW BRAUNFELS WEST QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

RECHARGE ZONE

TRANSITION ZONE

NEW BRAUNFELS

Produced by the United States Geological Survey
Revised in cooperation with the Texas Water Development Board

Control by USGS, NOS/NOAA, and USCE

Compiled by the Army Map Service by photogrammetric methods from aerial photographs taken 1956. Field checked 1958
Revised from aerial photographs taken 1986. Field checked 1987
Map edited 1988

Projection and 10,000-foot grid ticks: Texas coordinate system, south central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 14
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 20 meters south and 28 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1988 MAGNETIC NORTH DECLINATION AT CENTER OF MAP
DIAGRAM IS APPROXIMATE

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

2998-413

ROAD CLASSIFICATION

Primary highway, hard surface
Light-duty road, hard or improved surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U. S. Route
State Route

NEW BRAUNFELS WEST, TEX.
29098-F2-TF-024

1988

DMA 6343 II NW-SERIES V822

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW BRAUNFELS EAST QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

RECHARGE ZONE

TRANSITION ZONE

NEW BRAUNFELS

NEW BRAUNFELS MUNICIPAL AIRPORT

LAKE DUNLAP

Produced by the United States Geological Survey in cooperation with the Defense Mapping Agency

Control by USGS and NOS/NOAA and USCE

Compiled from aerial photographs taken 1956. Revisions in purple and woodland compiled from aerial photographs taken 1986 and other sources and has been field checked. Map edited 1994
Conflicts may exist between some updated features and previously mapped contours

North American Datum of 1927 (NAD 27). Projection and 10 000-foot ticks : Texas Coordinate System, south central zone (Lambert Conformal Conic)
Blue 1000-meter Universal Transverse Mercator ticks, zone 14

North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software

MN
GN
0°28'
8 MILS
6½°
116 MILS

UTM GRID AND 1994 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 KILOMETER

CONTOUR INTERVAL 10 FEET
SUPPLEMENTARY CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

TEXAS
QUADRANGLE LOCATION

2998-414

ROAD CLASSIFICATION

Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

NEW BRAUNFELS EAST, TEX.
29098-F1-TF-024

1958
REVISED 1994

INTERIOR-GEOLOGICAL SURVEY, RESTON VIRGINIA—1994

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

R QUADRANGLE
TEXAS–COMAL CO.
5 MINUTE SERIES (TOPOGRAPHIC)

RECHARGE ZONE

SITE

Produced by the United States Geological Survey

Control by USGS and NOS/NOAA

Compiled from aerial photographs taken 1962. Revisions shown in purple compiled from aerial photographs taken 1986 and other sources and has been field checked. Map edited 1994 Conflicts may exist between some updated features and previously mapped contours

North American Datum of 1927 (NAD 27). Projection and 10 000-foot ticks : Texas Coordinate System, south central zone (Lambert Conformal Conic)
Blue 1000-meter Universal Transverse Mercator ticks, zone 14

North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83

UTM GRID AND 1994 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

TEXAS
QUADRANGLE LOCATION

2998-442

ROAD CLASSIFICATION

Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route U. S. Route State Route

SATTLER, TEX.
29098-G2-TF-024

1963
REVISED 1994
DMA 6343 I SW-SERIES V882

ATTACHMENT "C"
Project Description

Rockfield RV Park is located at 2280 FM 2722 in New Braunfels, Texas. The 10.709 acre property is located approximately 2.4 miles north of the intersection of FM 2722 and SH 46(See Attachment "A"-Location Map). The existing improvements of the site consist of 17 RV Pad sites, concrete streets, gravel drives, and storage structures (portable and permanent). The RV Pad sites consist of a concrete pad and utility hookups for electric, water, and sewer. The water supply for the site is served by a well (See Geologic Assessment for location) and the sanitary sewer is treated by a centralized septic system. The existing topography consists of rolling terrain (slopes 5% to 12%) with cedar, oak and elm trees scattered throughout. Soils are shallow with rocks and rock outcroppings. Terrain is indicative of the lower Hill Country area.

The proposed development will consist of 11 RV Pad Sites, 1 residential dwelling, and asphalt streets.

Upon completion of the ultimate development, Rockfield RV Park will consist of the following improvements:

Structures/Rooftops – 27,786 sf (0.64 ac)	Existing: 13,226 sf (0.30 ac) Proposed: 14,560 sf (0.34 ac)
Pavement/Drives – 56,323 sf (1.29 ac)	Existing: 40,098 sf (0.92 ac) Proposed: 16,225 sf (0.37 ac)

Upon completion of construction, the ultimate development of the site will consist of 84,109 sf (1.93 ac) of impervious cover, 18.0% of the total area.

GEOLOGIC ASSESSMENT

For:

Water Pollution Abatement Plan
Rockfield RV Park
2280 F.M. 2722
New Braunfels, Comal County, Texas

ARIAS & ASSOCIATES
Geotechnical • Environmental • Testing

Prepared for:

Rockfield RV Park
C/O Craig Hollmig, Inc.
410 North Seguin
New Braunfels, Texas 78130

Project Number 08-4155
August 2008

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: **Rockfield RV Park, 2280 F.M. 2722, New Braunfels, Texas**

TYPE OF PROJECT: X WPAP __ AST __ SCS __ UST

LOCATION OF PROJECT: X Recharge Zone __ Transition Zone __ Contributing Zone within the Transition Zone

PROJECT INFORMATION

1. X 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 Name	Group*	Thickness (feet)
Comfort Rock outcrop complex, undulating	D	0.5-1.0

* Soil Group Definitions (Abbreviated)

A. Soils having a high infiltration rate when thoroughly wetted.

B. Soils having a moderate infiltration rate when thoroughly wetted.

C. Soils having a slow infiltration rate when thoroughly wetted.

D. Soils having a very slow infiltration rate when thoroughly wetted.

3. X 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. X 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. X 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" = 50'
Site Geologic Map Scale 1" = 50'
Site Soils Map Scale (if more than 1 soil type) 1" = ____'

6. Method of collecting positional data:
   X Global Positioning System (GPS) technology.
   ___ Other method(s).

7. X The project site is shown and labeled on the Site Geologic Map.

8. X Surface geologic units are shown and labeled on the Site Geologic Map.

9. X 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. X The Recharge Zone boundary is shown and labeled, if appropriate.

11. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.):

   X There are 1 (#) 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.
   X 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

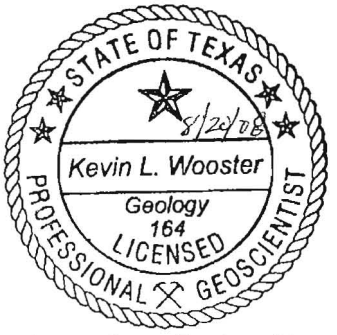
12. X One (1) original and three (3) copies of the completed assessment has been provided.

Date(s) Geologic Assessment was performed:

Date(s) July 30, 2008

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.

Kevin L. Wooster, P.G.
Print Name of Geologist



Telephone 210-308-5884

Fax 210-308-8731

Kevin L. Wooster
Signature of Geologist

August 20, 2008
Date

Representing: Arias & Associates, Inc., Project No.: 08SA-4155
(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: Rockfield RV Park, 2280 F.M. 2722, New Braunfels, Texas

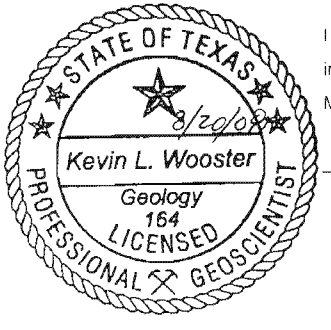
LOCATION							FEATURE CHARACTERISTICS											EVALUATION			PHYSICAL SETTING		
1A	1B *			1C*			2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE			LONGITUDE			FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DIP	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				X	Y	Z		10						<40	>40	<1.6	>1.6	
S-1	29	46	4.2	98	12	29.4	MB	30	Kek	2.0	2.0	>50	Water well				F	5	35	X		X		Hillside
S-2	29	46	0	98	12	36.7	MB	30	Kek	6.0	5.0	4.0	septic tank				F, C	5	35	X		X		Hillside

* DATUM: NAD 83

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity h = Horizontal Feature	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.

Kevin L. Wooster

Date: July 30, 2008

Sheet 1 of 1

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

FEATURE LOCATION TABLE

WPAP GEOLOGIC ASSESSMENT
ROCKFIELD RV PARK
2280 F.M. 2722
NEW BRAUNFELS, TEXAS

	Latitude			Longitude					
Feature No.	Deg	Min	Sec	Deg	Min	Sec	Type	Date	Measured By
S-1	29	46	4.2	98	12	29.4	MB	7/30/08	K.Wooster
S-2	29	46	0.0	98	12	36.7	MB	7/30/08	K.Wooster

SOIL NARRATIVE

WPAP GEOLOGIC ASSESSMENT
ROCKFIELD RV PARK
2280 F.M. 2722
NEW BRAUNFELS, TEXAS

Most of the site has been used as a small ranch and recreational vehicle (RV) park, with prior use as a residence. There are several structures, and one concrete road. Native soils remaining at the site consist of black and brown calcareous stony clay. The clay includes rock fragments ranging in size to pebbles. Although the clay content of the soils would tend to impede the downward flow of water, in areas where the rock fragments are more abundant, the water infiltration would increase.

The soils on the site are typical of those found on the Edwards plateau and hill country. They range up to a maximum thickness of about one-half to one foot in some areas. Soils and vegetation cover most of the site. There are areas of rock outcrops on the north, northeast, east, and southwest portions of the site.

According to the U.S.D.A. Soil Survey of Comal and Hays Counties, Texas, dated 1984, the natural surface soils have been mapped as within one primary soil group. Comfort Rock outcrop complex, undulating (CrD) soils are mapped within the site, a hillside sloping to a second-order tributary to Elm Creek.

The CrD soil complex is mostly composed of Comfort very stony clay and consists of shallow clayey soils on hilltops and ridges. Cobbles and stones frequently cover nearly 45% of the surface of these areas. Overall soil depth is typically 13 inches. CrD soils are mildly alkaline (pH 7.4 – 7.8), well drained and slowly permeable with a very low available water capacity and shallow rooting depth. Runoff is slow to moderate and the hazard of water erosion is slight.

STRATIGRAPHIC COLUMN

WPAP GEOLOGIC ASSESSMENT
ROCKFIELD RV PARK
2280 F.M. 2722
NEW BRAUNFELS, TEXAS

Hydrogeologic subdivision			Group formation or member			Hydro-logic fuction	Thick-ness (feet)	Lithology	Cavern develop-ment	Porosity / permeability type
Quaternary			Terrace Deposits			CU	0-30	Gravel and sand	None	High porosity / high permeability
Upper Cretaceous	Upper Confining Unit		Austin Group			CU	130-150	White to gray limestone	None	Low porosity / low permeability
			Eagle Ford Group			CU	30-50	Buff, light gray, dense mudstone	None	Low porosity / low permeability
			Buda Limestone			CU	40-50	Brown flaggy shale and argillaceous limestone	None	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			CU	10	Reddish-brown, gray to light tan marly limestone	None	Low porosity / low permeability
	II		Edwards Group	Person F.m.	Cyclic & marine members undivided	AQ	80-100	Mudstone to packstone; miliolid grainstone; chert	Many sub-surface	Laterally extensive; water yielding
	III				Leached & col-lapsed members	AQ	80-100	Crystalline limestone; mudstone to grainstone; chert collapsed breccia	Extensive lateral devel-opment; large rooms	Majority not fabric / one of the most permeable
	IV				Regional dense member	CU	20-24	Dense, argillaceous mudstone	Very few; only vertical fracture enlargement	Not fabric / low permeability; vertical barrier
	V			Kainer F.m.	Grainstone member	AQ	50-60	Miliolid grainstone; mudstone to wackestone; chert	Few	Not fabric / recrystal-lization reduces permeability
	VI				Kirschberg evaporite member	AQ	50-60	Highly altered crystalline limestone; chalky mudstone; chert	Probably extensive cave devel.	Majority fabric / one of the most permeable
	VII				Dolomitic member	AQ	110-130	Mudstone to grainstone; crystalline limestone; chert	Caves rela-ted to struc-ture or bed-ding 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 miliolid grainstone	Large lateral caves at surface	Fabric; stratigraph-ically controlled / large conduit flow at surface; no permea-bility 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 sur-face cave development	Some water product-ion at evaporite beds / relatively impermeable

Reference: U.S.G.S. Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Comal County, Texas; Water-Resources Investigations Report 94-4117

Note: CU = Confining Unit; AQ = Aquifer

— — Indicates Upper Most Surface Bedrock Formation

GEOLOGY NARRATIVE

WPAP GEOLOGIC ASSESSMENT
ROCKFIELD RV PARK
2280 F.M. 2722
NEW BRAUNFELS, TEXAS

The outcropping geologic formation mapped at the Site consists of the Kainer Formation of the Cretaceous Edwards Group, according to the San Antonio Sheet of the Geologic Atlas of Texas (BEG, 1983). This formation is generally up to 300 feet thick or more, and consist of limestone and marlstone, and forms the middle and lower portions of the Edwards Group.

The site lies along FM 2722 and slopes to the east-southeast, toward a second order tributary to Elm Creek. No portion of the site lies within the 100-year floodplain. Most of the site was covered with soil, with a few rock outcrops visible. Much of the visible rock at the site was float, or weathered bedrock laying on ground surface.

There was no evidence of structural faulting or fracturing observed in the field. There were no solution features found. Some of the float rock showed varying signs of mostly weathered grainstone appearance. There were no open vugs observed.

According to the literature (USGS, 1988), there is a major mapped fault to the north of the site, and one to the south. No evidence of these faults was observed in the field.

No karst features were noted during the site reconnaissance.

Two man-made features in bedrock (existing water well and septic tank) were observed on the eastern and central portions of the site, respectively.

Potential for fluid movement to the aquifer is low due to absence of karst and structural features, along with very low permeability soil cover.

FEATURE NARRATIVE

WPAP GEOLOGIC ASSESSMENT
ROCKFIELD RV PARK
2280 F.M. 2722
NEW BRAUNFELS, TEXAS

Two features found are described as follows:

S-1: This feature is an existing water well. The feature was surrounded by concrete surface completion pad that is in good shape without any open pathways observed between the casing and native ground. Potential for fluid movement to the aquifer is low due to absence of karst and structural features, along with very low permeability soil cover.

S-2: This feature is an existing aerobic septic tank. The feature was surrounded by fine and coarse-grained material that is in good shape without any open pathways observed between the structure and native ground. Potential for fluid movement to the aquifer is low due to absence of karst and structural features, along with very low permeability soil cover.

REFERENCES

Barnes V.L. 1983, Geologic Atlas of Texas, San Antonio, Sheet, Bureau of Economic Geology, The University of Texas at Austin, Texas.

Collins, E.W., 1991. Geology of Sattler Quadrangle, Comal County, Texas, Open File Map. Bureau of Economic Geology, The University of Texas at Austin, Texas.

Small, T.A. and Hanson, J.A. 1994. Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Comal County, Texas. U.S. Geol. Survey, Water – Resources Investigations Report 94-4117. 8 pp., Plate, Fig., Table.

Texas Commission on Environmental Quality, (TCEQ), Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge Zone, TCEQ-0585-Instructions (Rev. 10-01-04).

United States Department of Agriculture. 1984 Soil Survey of Comal and Hays Counties, Texas, Natural Resource Conservation Service.

United States Department of Agriculture. Urban Hydrology for Small Watersheds, Technical Release No. 55.,Appendix A. Natural Resource Conservation Service, <http://www.info.usda.gov/CED/ftp/CED/tr55.pdf > July, 1986.

United Stated Geologic Survey, Rev. 1994. Sattler Quadrangle. USGS, Denver, Colorado.

Site Geologic Map
Rockfield RV Park
2280 PM 2722
New Braunfels, Texas

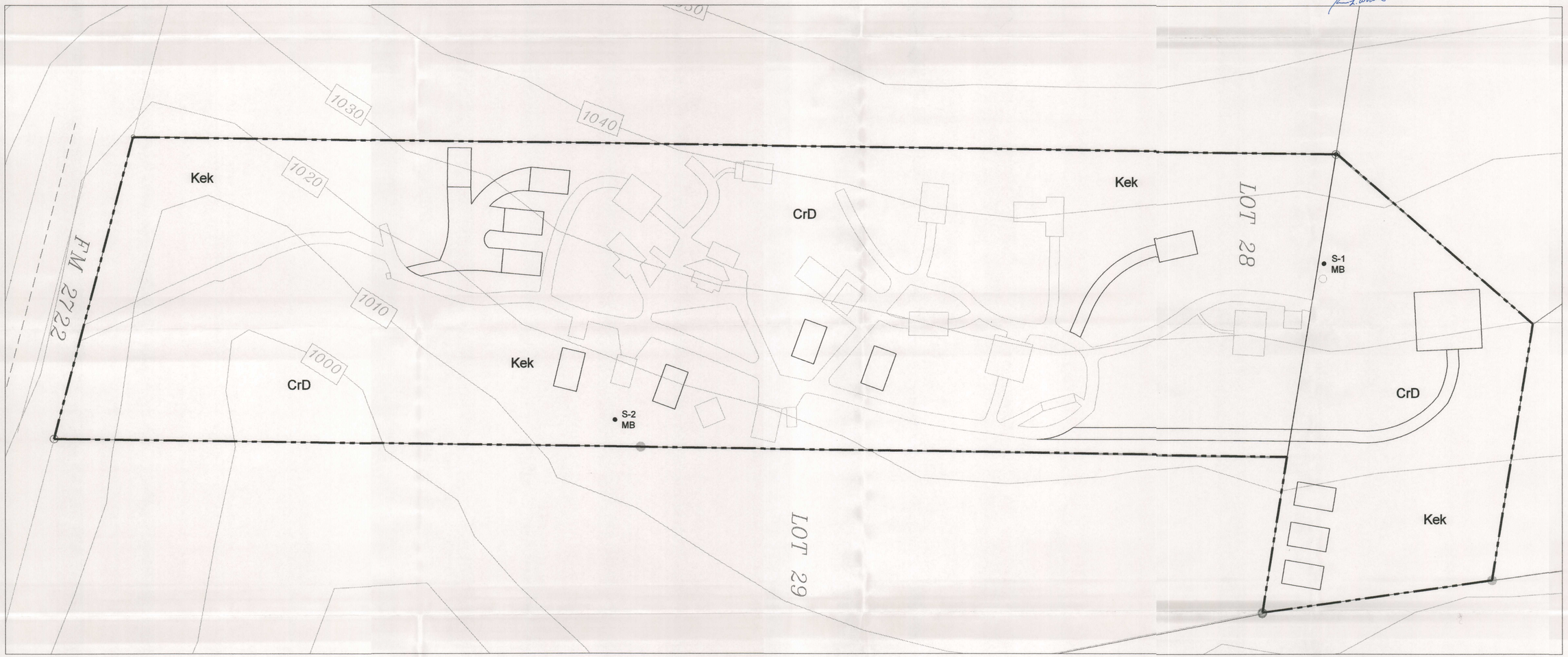
ARIAS Job No. 08-4155

ARIAS & ASSOCIATES
Geotechnical · Environmental · Testing

Kek - Edwards Kainer
CrD - Comfort Rock Outcrop Complex
MB - Man-Made Feature in Bedrock
1010 - Existing Contours
- Property Line

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

STATE OF TEXAS
3/24/08
Kevin L. Wooster
Geology
164
LICENSED
PROFESSIONAL GEOSCIENTIST



S. CRAIG HOLLMIG, INC.
CONSULTING ENGINEERS - SURVEYORS
410 N. SEGUIN STREET
NEW BRAUNFELS, TEXAS 78130-5085
PH:(830)625-8555 FAX:(830)625-8556 EMAIL: engr@hollmiginc.com

WPAP IMPERVIOUS COVER EXHIBIT

REVISIONS:

ROCKFIELD RV PARK

New Braunfels, Texas

CHECKED	DRAWN
JDM	JII

DATE
AUGUST 11, 2008

SHEET NUMBER
OF

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: Rockfield RV Park

REGULATED ENTITY INFORMATION

1. The type of project is:
   ___ Residential: # of Lots: _____
   ___ Residential: # of Living Unit Equivalents: _____
   ___ Commercial
   ___ Industrial
   _X_ Other: RV Park

2. Total site acreage (size of property): 10.709 acres

3. Projected population: 24 RV Pad Sites

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	27,786	÷ 43,560 =	0.64
Parking	0	÷ 43,560 =	0
Other paved surfaces	56,323	÷ 43,560 =	1.29
Total Impervious Cover	84,109	÷ 43,560 =	1.93
Total Impervious Cover ÷ Total Acreage x 100 =			18.0%

5. _X_ **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. _X_ 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 x W = ____ Ft^2 ÷ 43,560 Ft^2/Acre = ____ acres.

10. Length of pavement area: ____ feet.
Width of pavement area: ____ feet.
L x W = ____ Ft^2 ÷ 43,560 Ft^2/Acre = ____ acres.
Pavement area ____ acres ÷ R.O.W. area ____ acres x 100 = ___% 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. **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 _1500_ gallons/day
_____% Industrial _____ gallons/day
_____% Commingled _____ gallons/day

TOTAL_1500_ gallons/day

15. Wastewater will be disposed of by:
_X_ **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.
_X_ Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.

__ Sewage Collection System (Sewer Lines):
__ 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. _X_ 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" = _50_'.

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.
_X_ 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 Panel Number 4854630085C Dated 9/29/1986

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.
_X_ 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.):
_X_ There are _1_(#) 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.
_X_ The wells are in use and comply with 30 TAC §238.
___ 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 and possibly sensitive** geologic or manmade features identified in the Geologic Assessment are shown and labeled.
_X_ No **sensitive and possibly 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 in ATTACHMENT D provided at the end of this form. Geologic or manmade features were found and are shown and labeled.
___ **ATTACHMENT D - Exception to the Required Geologic Assessment.** An exception to the Geologic Assessment requirement is requested and explained in ATTACHMENT D provided at the end of this form. No geologic or manmade features were found.

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. ___ Locations where stormwater discharges to surface water or sensitive features.
_X_ There will be no discharges to surface water or sensitive features.

ADMINISTRATIVE INFORMATION

28. _X_ One (1) original and three (3) copies of the completed application have been provided.

29. _X_ Any modification of this WPAP will require TCEQ 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:

Jeffrey D. Moeller, P.E.
Print Name of Customer/Agent

Signature of Customer/Agent

8/28/08
Date

ATTACHMENT "A"
Factors Affecting Water Quality

The development will consist of 28 RV Pad sites (17 existing and 11 proposed) and 1 residential dwelling. Therefore, there will be minimal pollution from the proposed development. Pollution may originate from the asphalt streets and drives, automobile wastes, and household cleaning chemicals.

ATTACHMENT "B"
Volume and Character of Stormwater

The existing drainage for the proposed Rockfield RV Park will maintain the existing drainage patterns of the site, and the increase in the volume of stormwater runoff will be minimal with respect to the site as a whole. The hydrology calculations were performed using the Rational Method. The runoff coefficient for the existing conditions was determined to be 0.55 in accordance with the City of New Braunfels Drainage and Erosion Control Manual. With the addition of the proposed improvements, the runoff coefficient is increased to 0.57. The existing flow rate for the 100 year storm event is 83.48 cfs, and the proposed flow rate for the 100 year event is 86.51. This is an increase of 3.03 cfs, 3.6%.

ATTACHMENT "C"
Suitability Letter from Authorized Agent

The Septic Suitability Letter is included in this section along with the Comal County OSSF permit for the existing septic system.

ATTACHMENT "D"
Exception to the Required Geologic Assessment

No exception will be requested.

Item 20

According to the 30 TAC § 290.38, it is our opinion that the water system for the RV Park fits the definition of a Transient Noncommunity System. We have been informed by the owner, that the RV Park serves on average less than 25 users per month.

Comal County

OFFICE OF COMAL COUNTY ENGINEER

September 4, 2008

Mr. Jeff Moeller, P.E.
S. Craig Hollmig, Inc.
410 N. Seguin Street
New Braunfels, TX 78130

Re: Rockfield RV Park On-Site Sewage Facility Suitability Letter, within Comal County, Texas

Dear Mr. Moeller:

In accordance with TAC §213.5(b)(4)(F)(ii), Comal County has found that the entire referenced site is suitable for the use of private sewage facilities and will meet the special requirements for on-site sewage facilities located on the Edwards Aquifer recharge zone as specified in TAC §285.40-42 based on the following information submitted to our office on September 4, 2008:

- The Geologic Assessment, prepared by Arias & Associates, Inc.
- The Water Pollution Abatement Plan, prepared by S. Craig Hollmig, Inc.

Moreover, according to TAC §285.41(b), Edward Niland, the owner of the referenced site, must inform, in writing, each prospective purchaser, lessee, or renter of the following:

- Rockfield RV Park is subject to the terms and conditions of TAC §285.40-42;
- A Permit to Construct is required from Comal County before an OSSF can be constructed within the limits of Rockfield RV Park;
- A License to Operate is required from Comal County before an OSSF can be operated within the limits of Rockfield RV Park;
- That an application for a water pollution abatement plan, as defined in TAC §213, has been made, whether it has been approved, and if any restrictions or conditions have been placed on that approval; and
- Minimum separation distances, as outlined in Table 10 of TAC §285.91, from the sensitive recharge features listed above.

Furthermore, according to TAC §285.42(a), if any recharge feature, not listed above, is discovered during construction of an OSSF, all regulated activities near the feature shall be suspended immediately. The owner shall immediately notify the TCEQ San Antonio office of the discovery of the feature. All activities regulated under TAC §213 shall not proceed near the feature until Comal County, in conjunction with the TCEQ San Antonio office, has reviewed and approved a plan proposed to protect the feature, the structural integrity of the OSSF, and the water quality of the aquifer. The plan shall be sealed, signed, and dated by a professional engineer.

If you have any questions or need additional information, please do not hesitate to contact our office.

Sincerely,

Robert Boyd, P.E.
Comal County Assistant Engineer

cc: Jack Dawson, Comal County Commissioner, Precinct No. 1

Greg W. Johnson, P.E.

170 Hollow Oak
New Braunfels, Texas 78132
830/905-2778

September 2, 2008

Hollmig Engineering & Surveying

410 N. Seguin Street
New Braunfels, TX 78130

RE: Soil survey & OSSF compatibility

Adam Daum Survey Abs. #808 being 8.795 acres - @ 2280 F.M. 2722

Comal County, Texas

TYPE SOILS AND DRAINAGE

This location was surveyed for soil types and their compatibility with development and installation of septic systems. Tested soils have a moderate to high clay content and are a part of the Comfort-Rock outcrop complex(CrD), undulating, and Eckrant-Rock outcrop complex, steep with moderate sloping (6%-10%) and moderately well drained. The soil profile consists of a brown clay/clay loam with medium blocky structure to 8"-12"over over massive limestone.

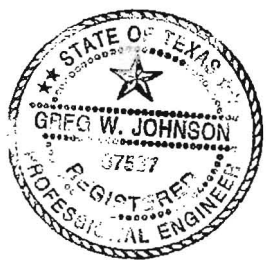
OSSF TYPES

Since the site has shallow depth soils with a moderate clay content with fair soil absorption characteristics, a variety of septic systems are suitable depending on each lot. Recommended On Site Sewage Facilities (OSSF) for this site are aerobic treatment plants with spray or drip irrigation. Terracing may be required on some lots to support the septic systems. Adequate space is available for any of the referenced OSSF's and their respective replacement areas.

The water service to each cabin or RV spot must be routed in such a way to provide a minimum of 10' separation from any part of each OSSF.

Respectfully yours,

Greg W. Johnson, P.E



ON-SITE SEWERAGE FACILITY
SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed: **September 02, 2008**

Site Location: **8.795 ACRES OUT OF THE ADAM DAUM SURVEY A-808**

Proposed Excavation Depth: **N/A**

Requirements:

At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area.
Locations of soil boring or dug pits must be shown on the site drawing.
For subsurface disposal, soil evaluations must be performed to a depth of at least two feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.
Describe each soil horizon and identify any restrictive features on the form. Indicate depths where features appear.

SOIL BORING NUMBER **1**

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0 – 8"	**III / IV**	**CLAY / CLAY LOAM**	**N/A**	**NONE OBSERVED**	**LIMESTONE @ 8"**	**BROWN**
1						
2						
3						
4						
5						

SOIL BORING NUMBER **2**

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0 – 12"	**III / IV**	**CLAY / CLAY LOAM**	**N/A**	**NONE OBSERVED**	**LIMESTONE @ 12"**	**BROWN**
1						
2						
3						
4						
5						

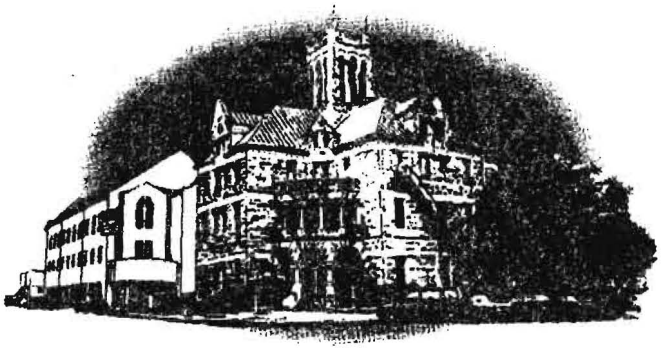
I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.

Greg W. Johnson, P.E. 67587, S.E. 11561

Date

DATE
01/11/00

PERMIT#
80642



Comal County

OFFICE OF COMAL COUNTY ENGINEER

LICENSE TO OPERATE A PRIVATE SEWAGE FACILITY

OWNER(L)	FIRST	SUBDIVISION NAME
Niland	Edward A. & Debra J.	

STREET	UNIT	BLOCK	LOT	ACRES/TRACT
FM 2722				8.795 Acres

This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Natural Resource Conservation Commission.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.

Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

This license to operate is valid for an indefinite period. It may be transferred by the holder to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

THE FACILITY IS LICENSED FOR

☒SINGLE FAMILY RESIDENCE ☒BUSINESS/INSTITUTION	GALLONS PER DAY
	490

SQUARE FEET OF DWELLING	TYPE OF BUSINESS/INSTITUTION
2000	5 RV's

THE FACILITY CONSISTS OF

SYSTEM TYPE	SYSTEM DESCRIPTION
Proprietary	Aerobic Treatment & Surface Irrigation

GALLON TANK	SQUARE FEET ABSORPTION AREA	SWITCHING VALVE?YES/N
Hoot 1000 & 750 Pump Tank	11310	No

SPECIAL CONDITIONS

INSPECTOR	ENVIRONMENTAL HEALTH COORDINATOR
Juan Martinez	Brenda L. Kelly

195 David Jonas Drive • New Braunfels, Texas 78132-3760 • (830) 608-2090 FAX: (830) 608-2009

Texas Commission on Environmental Quality
Water Pollution Abatement Plan
General Construction Notes

1. 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.

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 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.

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 has reviewed and approved the methods proposed to protect the sensitive feature 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 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.

6. 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).

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 occupies 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 outfalls, picked up daily).

9. 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.

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

11. 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.

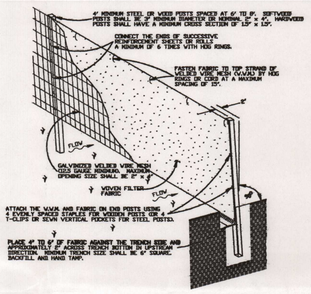
12. The holder of any approved Edward Aquifer protection plan must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:

    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;

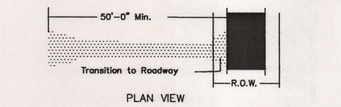
    B. any change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;

    C. any development of land previously identified as undeveloped in the original water pollution abatement plan.

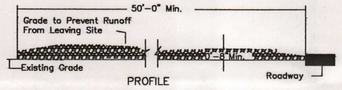
Austin Regional Office	San Antonio Regional Office
2800 S. IH 35, Suite 100	14250 Judson Road
Austin, Texas 78704-5712	San Antonio, Texas 78233-4480
Phone(512) 339-2929	Phone(210) 490-3096
Fax (512) 339-3795	Fax (210) 545-4329



ISOMETRIC VIEW
(NOT TO SCALE)



PLAN VIEW



PROFILE

SILT FENCE

Materials:

(1) Silt fence material should be polypropylene, polyethylene or polyamide woven or nonwoven fabric. The fabric width should be 36 inches, with a minimum unit weight of 4.5 oz/yd, mullen burst strength exceeding 190 lb/in2, ultraviolet stability exceeding 70%, and minimum apparent opening size of U.S. Sieve No. 30.

(2) Fence posts should be made of hot rolled steel, at least 4 feet long with Tee or Ybar cross section, surface painted or galvanized, minimum nominal weight 1.25 lb/ft2, and Brindell hardness exceeding 140.

(3) Woven wire backing to support the fabric should be galvanized 2" x 4" welded wire, 12 gauge minimum.

Installation:

(1) Steel posts, which support the silt fence, should be installed on a slight angle toward the anticipated runoff source. Post must be embedded a minimum of 1- foot deep and spaced not more than 8 feet on center. Where water concentrates, the maximum spacing should be 6 feet.

(2) Lay out fencing down-slope of disturbed area, following the contour as closely as possible. The fence should be sited so that the maximum drainage area is ½ acre/100 feet of fence.

(3) The toe of the silt fence should be trenched in with a spade or mechanical trencher, so that the down-slope face of the trench is flat and perpendic ular to the line of flow. Where fence cannot be trenched in (e.g., pavement or rock outcrop), weight fabric flap with 3 inches of pea gravel on uphill side to prevent flow from seeping under fence.

(4) The trench must be a minimum of 6 inches deep and 6 inches wide to allow for the silt fence fabric to be laid in the ground and backfilled with compacted material.

(5) Silt fence should be securely fastened to each steel support post or to woven wire, which is in turn attached to the steel fence post. There should be a 3-foot overlap, securely fastened where ends of fabric meet.

(6) Silt fence should be removed when the site is completely stabilized so as not to block or impede storm flow or drainage.

Inspection and Maintenance Guidelines:

(1) Inspect all fencing weekly, and after any rainfall.

(2) Remove sediment when buildup reaches 6 inches.

(3) Replace any torn fabric or install a second line of fencing parallel to the torn section.

(4) Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.

(5) When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the silt fence should be revegetated. The fence itself should be disposed of in an approved landfill.

STABILIZED CONSTRUCTION ENTRANCE / EXIT

Materials:

(1) The aggregate should consist of 4 to 8 inch washed stone over a stable foundation as specified in the plan.

(2) The aggregate should be placed with a minimum thickness of 8 inches.

(3) The geotextile fabric should be designed specifically for use as a soil filtration media with an approximate weight of 6 oz/yd2, a mullen burst rating of 140 lb/in2, and an equivalent opening size greater than a number 50 sieve.

(4) If a washing facility is required, a level area with a minimum of 4 inch diameter washed stone or commercial rack should be included in the plans. Divert wastewater to a sediment trap or basin.

Installation:

(1) Avoid curves on public roads and steep slopes. Remove vegetation and other objectionable material from the foundation area. Grade crown foundation for positive drainage.

(2) The minimum width of the entrance/exit should be 12 feet or the full width of exit roadway, whichever is greater.

(3) The construction entrance should be at least 50 feet long.

(4) If the slope toward the road exceeds 2%, construct a ridge, 6 to 8 inches high with 3:1 (H:V) side slopes, across the foundation approximately 15 feet from the entrance to divert runoff away from the public road.

(5) Place geotextile fabric and grade foundation to improve stability, especially where wet conditions are anticipated.

(6) Place stone to dimensions and grade shown on plans. Leave surface smooth and slope for drainage.

(7) Divert all surface runoff and drainage from the stone pad to a sediment trap or basin.

(8) Install pipe under pad as needed to maintain proper public road drainage.

Inspection and Maintenance Guidelines:

(1) The entrance should be maintained in a condition, which will prevent tracking or lowing of edimemt onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment.

(2) All sediment spilled, dropped, washed or tracked onto public rights-of-way should be removed immediately by contractor.

(3) When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-of-way.

(4) When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin.

(5) All sediment should be prevented from entering any storm drain, ditch or water course by using approved methods.

HYDRAULIC MULCH

Materials:

Hydraulic Mulches: Wood fiber mulch can be applied alone or as a component of *hydraulic matrices*. Wood fiber applied alone is typically applied at the rate of 2,000 to 4,000 lb/acre. Wood fiber mulch is manufactured from wood or wood waste from lumber mills or from urban sources.

Hydraulic Matrices: Hydraulic matrices include a mixture of wood fiber and acrylic polymer or other tackifier as binder. Apply as a liquid slurry using a hydraulic application machine (i.e., hydro seeder) at the following minimum rates, or as specified by the manufacturer to achieve complete coverage of the target area: 2,000 to 4,000 lb/acre wood fiber mulch, and 5 to 10% (by weight) of tackifier (acrylic copolymer, guar, psyllum, etc.)

Bonded Fiber Matrix: Bonded fiber matrix (BFM) is a hydraulically applied system of fibers and adhesives that upon drying forms an erosion resistant blanket that promotes vegetation, and prevents soil erosion. BFMs are typically applied at rates from 3,000 lb/acre to 4,000 lb/acre based on the manufacturer's recommendation. A biodegradable BFM is composed of materials that are 100% biodegradable. The binder in the BFM should also be biodegradable and should not dissolve or disperse upon re-wetting. Typically, biodegradable BFMs should not be applied immediately before, during or immediately after rainfall if the soil is saturated. Depending on the product, BFMs typically require 12 to 24 hours to dry and become effective.

Installation:

(1) Prior to application, roughen embankment and fill areas by rolling with a crimping or punching type roller or by track walking. Track walking shall only be used where other methods are impractical.

(2) To be effective, hydraulic matrices require 24 hours to dry before rainfall occurs.

(3) Avoid mulch over spray onto roads, sidewalks, drainage channels, existing vegetation, etc.

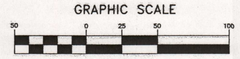
Inspection and Maintenance Guidelines:

(1) Mulched areas should be inspected weekly and after each rain event to locate and repair any damage.

(2) Areas damaged by storms or normal construction activities should be regraded and hydraulic mulch reapplied as soon as practical.

SOIL STABILIZATION NOTE

ALL DISTURBED SOILS SHOULD BE SEEDED OR OTHERWISE STABILIZED WITH 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE THAN 21 DAYS.

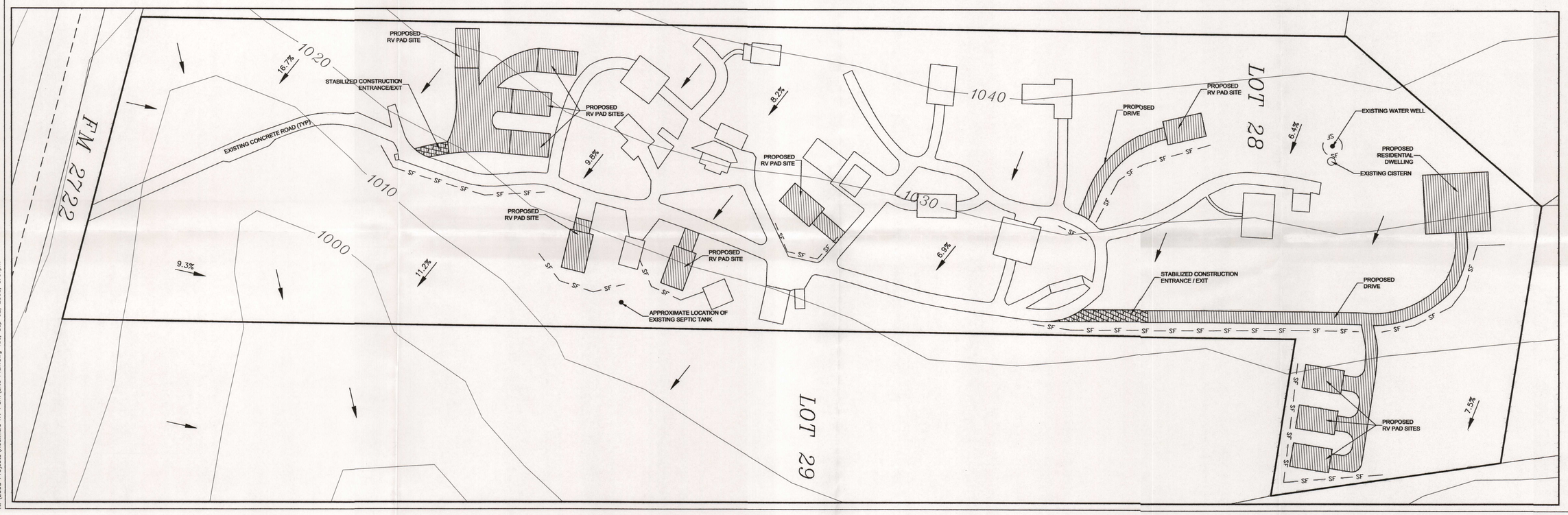


LEGEND

- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE (— SF — SF — SF —)
- DISTURBED AREA
- DRAINAGE FLOW ARROW

Disturbed Area Summary		
	Area (sf)	Area (ac)
Structures	14560	0.34
Pavement	16225	0.38
Total Disturbed Area		**0.72**
Total Un-Disturbed Area		**9.99**
Total Area		**10.71**

DRAINAGE AREA (27.5 AC) FLOWS SOUTH THROUGH EXISTING LOW AND INTO UNNAMED TRIBUTARY OF BLIEDERS CREEK



S. CRAIG HOLLMIG, INC.
CONSULTING ENGINEERS - SURVEYORS
410 N. SEGUIN STREET
NEW BRAUNFELS, TEXAS 78130-5085
PH:(830)625-8555 FAX:(830)625-8556 EMAIL: engr@hollmiginc.com

WATER POLLUTION ABATEMENT PLAN
SITE PLAN

REVISIONS:

ROCKFIELD RV PARK

New Braunfels, Texas

CHECKED	DRAWN
JDM	JII

DATE
September 2, 2008

SHEET NUMBER
OF

N:\2008 Projects\Rockfield RV Park\Site Plan.dwg Tue, Sep 02, 2008, 3:01pm

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: Rockfield RV Park

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 that 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.
_X_ Fuels and hazardous substances will not be stored on-site.

2. _X_ **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. _N/A_ 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. _X_ **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. _X_ **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. _X_ 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: Un-named Tributary of Blieders 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.

___ **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.

_X_ 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.

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

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

___ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to

protect down slope and side slope boundaries of the construction area.

_X_ 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. _N/A_ 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:

Jeffrey D. Moeller, P.E.
Print Name of Customer/Agent

Signature of Customer/Agent

8/28/08
Date

ATTACHMENT "A"
Spill Response Actions

Spill Prevention and Control

The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees.

The following steps will help reduce the stormwater impacts of leaks and spills:

Education

(1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.

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

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

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

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

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 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 runoff during rainfall to the extent that it doesn't compromise clean up 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 BMP's.

(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 BMP's 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.

Spills should be cleaned up immediately:

(1) Contain spread of the spill.

(2) Notify the project foreman immediately.

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

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

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

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

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

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

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

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

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

More information on spill rules and appropriate responses is available on the TCEQ website at: http://www.tnrcc.state.tx.us/enforcement/emergency_response.html

Vehicle and Equipment Maintenance

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

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

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

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

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

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

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

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

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

Vehicle and Equipment Fueling

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

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

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

ATTACHMENT "B"
Potential Sources of Contamination

The only potential sources of contamination are construction equipment leaks, re-fueling spills, as well as potential from port-o-lets, and the total suspended solids (TSS) due to the construction activities on-site. There are no other anticipated potential sources of contamination.

ATTACHMENT "C"
Sequence of Major Activities

Stages of Construction:
Due to the unique nature of the project, the construction activities would be considered minor. The maximum area of disturbed area will only be 3% of the project site. The following construction sequence will occur for the proposed cabin sites and the residential dwelling:

1. Temporary BMPs: Installation of silt fence and stabilized construction entrances as described in the following attachment.
2. Clearing and Grubbing: Removal of trees, stumps, brush and other debris within the proposed roadway area to allow for construction of the roadways. Approximate disturbed area is 0.38 acres.
3. Rough Grading: Cutting of proposed roadway areas to prepare the roadbed for pavement layers. Approximate disturbed are is 0.38 acres.
4. RV Pad Construction: The construction is very minimal and will average 1000 square feet of disturbed area per space. Approximate disturbed area is 0.25 acres.
5. Residential Dwelling Construction: The construction is very minimal and will 0.39 acres.

ATTACHMENT "D"
Temporary BMP's and Measures

The following sequence will be followed for installing temporary BMP's. As stated in ATTACHMENT "C" above, the disturbance is minimal and exact timelines for work is unknown. The following is a worst case scenario for disturbance and construction activities requiring temporary BMP's and measures:

1. Roadway centerline will be roughly cleared for surveying purposes. (No soil disturbance.)
2. Silt fence will be constructed on the downgradient side of proposed roadways prior to beginning clearing and grubbing operations.
3. Silt fencing will be placed around (10-foot radius) the existing water well prior to beginning any soil disturbance.
4. Due to the minimal amount of soil disturbance for a single RV Pad Site, stabilized construction entrances will be installed at the two entrances of concentrated construction. One stabilized construction entrance will be installed at the start of the roadway leading to the group of four RV Pad Sites nearest to FM 2722. The other stabilized construction entrance will be installed at the back of the RV Park at the entrance drive to the

residential dwelling and the three RV Pad Sites. Both stabilized construction entrances will be established before clearing and grubbing equipment is delivered to the site.

A. With the upgradient perimeter of the RV Park will remain in its natural vegetative state. This natural vegetation will filter pollutants originating upgradient of the site, preventing pollution of onsite runoff. The stabilized construction entrances will be constructed at park entrance from FM 2722 to filter upgradient pollutants at these locations.

B. Silt fence will be placed on the downgradient side of each proposed improvement to contain pollutants generated from onsite runoff. Soil disturbance will be limited to a minimal distance outside the proposed pavement and the parking pads. Disturbed areas will be seeded to replace destroyed vegetation. The existing vegetation located downgradient of each proposed improvement will work in conjunction with the silt fence, rock berms, and stabilized construction entrance to prevent pollution of water originating onsite and/or flowing offsite.

C. The majority of the property's natural vegetation will not be disturbed. This existing natural vegetation, in addition to the silt fences and stabilized construction entrances constructed upgradient of each stream and sensitive feature, will prevent pollutants from entering them as well as the aquifer. All of the low areas, which collect stormwater runoff, will remain in a natural state acting as vegetative filter strips.

ATTACHMENT "E"
Request to Temporarily Seal a Feature

There will be no request to temporarily seal a feature.

ATTACHMENT "F"
Structural Practices

Since disturbed areas are small, silt fence will be used to protect disturbed soils and to prevent contamination from leaving the project site. The majority of the site will remain in a natural state, with adequate vegetation, with minimal disturbance of existing drainage patterns.

ATTACHMENT "G"
Drainage Area Map

See Drainage Area Map at the end of this section.

ATTACHMENT "H"
Temporary Sediment Pond Plans and Calculations

There will not be more than 10 acres of disturbed soil in one common drainage area that will occur at one time. Silt fence will be used for small drainage areas. No sediment ponds will be constructed due to the minimal amount of soil disturbance.

ATTACHMENT "I"
Inspection and Maintenance for BMP's

Inspection and Maintenance Plan

The contractor is required to inspect the control and fences at weekly intervals and after any rainfall events to insure that they are functioning properly. The person(s) responsible for maintenance controls and fences shall immediately make any necessary repairs to damaged areas.

Temporary Construction Entrance/Exit: The entrance should be maintained in a condition, which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way should be removed immediately by contractor. When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin. All sediment should be prevented from entering any storm drain, ditch or water course by using approved methods.

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

TCEQ staff will be allowed full access to the property during construction of the project for inspecting controls and fences and to verify that the accepted plan is being utilized in the field. TCEQ staff has the right to speak with the contractor to verify plan changes and modifications.

Any changes made to the location or type of controls shown on the accepted plans, due to onsite conditions, shall be documented on the site plan that is part of this Water Pollution Abatement Plan. No other changes shall be made unless approved by TCEQ and the Design Engineer. Documentation shall clearly show changes made, date, and person responsible and reason change was made.

Owner's Information:

Owner: Rockfield RV Park
Contact: Edward Niland
Phone: (210) 867-1333
Address: 2386 FM 2722
New Braunfels, Texas 78132

Design Engineer:

Company: S. Craig Hollmig, Inc.
Contact: Jeffrey D. Moeller, P.E.
Phone: (830) 625-8555
Address: 410 N. Seguin Street
New Braunfels, Texas 78130

Person or Firm Responsible for Erosion/Sedimentation Control Maintenance:

Company: _____
Contact: _____
Phone: _____
Address: _____

Signature of Responsible Party: _____

This portion of the form shall be filled out and signed by the responsible party prior to construction.

ATTACHMENT "J"
Schedule of Interim and Permanent Soil Stabilization Practices

There will be minimal disturbed soil due to construction operations that are not covered by pavement or RV Pad Sites. The area is generally very rocky with a minimal amount of overlying soil. Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days. Areas which are disturbed by construction staging and storage areas will be hydro mulched with the appropriate seed mixture. There will be no fill slopes exceeding a 3:1 slope and all fill slopes will be hydro mulched. Installation and acceptable mixtures of hydro mulch are as follows:

Materials:

Hydraulic Mulches: Wood fiber mulch can be applied alone or as a component of hydraulic matrices. Wood fiber applied alone is typically applied at the rate of 2,000 to 4,000 lb/acre. Wood fiber mulch is manufactured from wood or wood waste from lumber mills or from urban sources.

Hydraulic Matrices: Hydraulic matrices include a mixture of wood fiber and acrylic polymer or other tackifier as binder. Apply as a liquid slurry using a hydraulic application machine (i.e., hydro seeder) at the following minimum rates, or as specified by the manufacturer to achieve complete coverage of the target area: 2,000 to 4,000 lb/acre wood fiber mulch, and 5 to 10% (by weight) of tackifier (acrylic copolymer, guar, psyllium, etc.)

Bonded Fiber Matrix: Bonded fiber matrix (BFM) is a hydraulically applied system of fibers and adhesives that upon drying forms an erosion resistant blanket that promotes vegetation, and prevents soil erosion. BFMs are typically applied at rates from 3,000 lb/acre to 4,000 lb/acre based on the manufacturer's recommendation. A biodegradable
BFM is composed of materials that are 100% biodegradable. The binder in the BFM should also be biodegradable and should not dissolve or disperse upon re-wetting. Typically, biodegradable BFMs should not be applied immediately before, during or immediately after rainfall if the soil is saturated. Depending on the product, BFMs typically require 12 to 24 hours to dry and become effective.

Seed Mixtures:

Dates	Climate	Species	(lb/ac.)
Sept. 1 to Nov. 30	Temporary Cool Season	Tall Fescue	4.0
		Oats	21.0
		Wheats	30.0
		Total	**55.0**
Sept. 1 to Nov. 30	Cool Season Legume	Hairy Vetch	8.0
May 1 to Aug. 31	Temporary Warm Season	Foxtail Millet	30.0

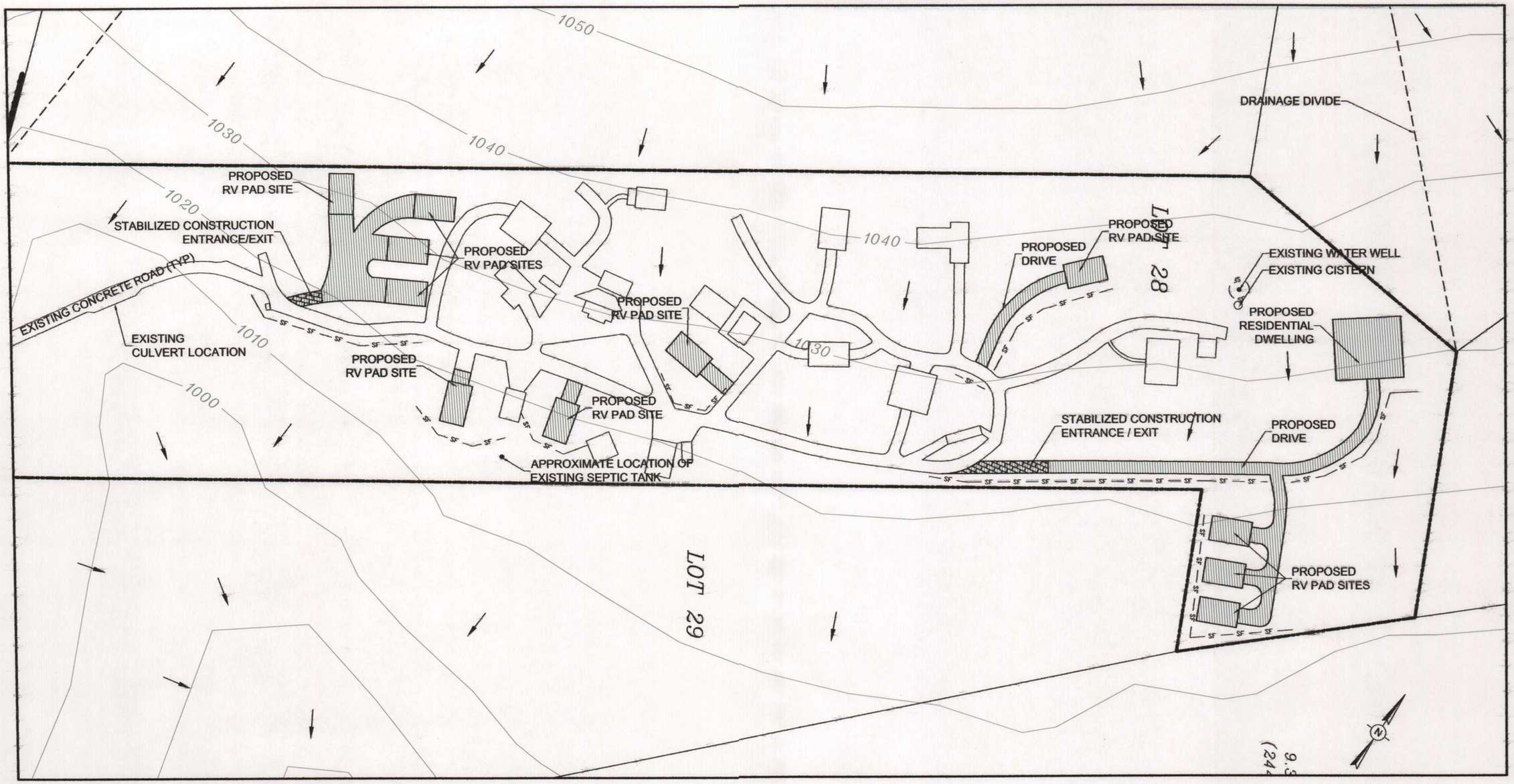
Fertilizer: Fertilizer should be applied at the rate of 40 pounds of nitrogen and 40 pounds of phosphorus per acre, which is equivalent to about 1.0 pounds of nitrogen and phosphorus per 1000 square feet.

Installation:

(1) Prior to application, roughen embankment and fill areas by rolling with a crimping or punching type roller or by track walking. Track walking shall only be used where other methods are impractical.

(2) To be effective, hydraulic matrices require 24 hours to dry before rainfall occurs.

(3) Avoid mulch over spray onto roads, sidewalks, drainage channels, existing vegetation, etc.



Disturbed Area Summary		
	Area (sf)	Area (ac)
Structures	14560	0.34
Pavement	16225	0.38
Total Disturbed Area		**0.72**
Total Un-Disturbed Area		**9.99**
Total Area		**10.71**

DRAINAGE AREA (27.5 AC) FLOWS SOUTH THROUGH EXISTING LOW AND INTO UNNAMED TRIBUTARY OF BLIEDERS CREEK

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 Inch = 100 ft.

LEGEND
- STABILIZED CONSTRUCTION ENTRANCE
- SF — SILT FENCE
- DISTURBED AREA
- DRAINAGE FLOW ARROW

S. CRAIG HOLLMIG, INC.
CONSULTING ENGINEERS - SURVEYORS
410 N. SEGUIN STREET
NEW BRAUNFELS, TEXAS 78130-5085
PH:(830)625-8555 FAX:(830)625-8556 EMAIL: engr@holmiginc.com

WATER POLLUTION ABATEMENT PLAN
DRAINAGE AREA MAP

REVISIONS:

ROCKFIELD RV PARK

New Braunfels, Texas

CHECKED	DRAWN
JDH	JII
DATE	
August 26, 2008	
SHEET NUMBER	
OF	

N:\2008 Projects\Rockfield RV Park\Drainage Area Map.dwg Tue, Aug 26, 2008, 5:46pm

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

REGULATED ENTITY NAME: Rockfield RV Park

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

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

2. N/A These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.

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

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.
   X 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.

X **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.

X 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.

X 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. X **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. 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.

X 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.

N/A **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. N/A **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. N/A **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. N/A 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. N/A 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. N/A 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:

Jeffrey D. Moeller, P.E.
Print Name of Customer/Agent

Signature of Customer/Agent

8/29/08
Date

ATTACHMENT "A"
20% of Less Impervious Cover Waiver

The ultimate development will consist primarily of 28 RV Pad Sites (17 existing and 11 proposed) and one residential dwelling at the northernmost corner of the property. The total impervious cover at ultimate development is approximately 18.0%. This consists of the existing pavement and RV pads, and proposed site layout. On average, the park has less than 25 tenants per month, and less than 60 tenants per year, which is a lower annual population than a residential subdivision of similar size. While the type of use for the proposed site is determined to be commercial, the low traffic volume and use of the site as a campground for recreational vehicles will result in a low potential for pollutants from automobiles and spills. It is our opinion this site will generate less pollution than n equivalent residential development.

Due to the limited development of the site and the ultimate development of the site is less than 20% impervious cover, we request that the executive director waive the requirements for the other permanent BMP's.

ATTACHMENT "B"
BMP's for Upgradient Stormwater

The upgradient stormwater flows through the proposed property through existing lows. These existing lows will be crossed with minimal impact. Minor underbrush removal may occur. Please refer to the Drainage Area Map in the Temporary Stormwater Section. Stormwater pollution should remain unchanged and natural filtration properties of the existing lows will remain.

ATTACHMENT "C"
BMP's for On-Site Stormwater

No permanent BMP's will be constructed for stormwater treatment. The existing vegetation on-site acts as a natural filter for contaminates. The ultimate development of the site will consist of 18.0% impervious cover, thus no permanent BMP's will be required.

ATTACHMENT "D"
BMP's for Surface Streams

The man-made sensitive features (water wells) described in the Geologic Assessment will remain in use. There are no naturally occurring sensitive features within the proposed property. No stormwater improvements (channels, drains, etc.) will discharge into the existing drainage area of the existing sensitive feature. The natural vegetation located down gradient of the proposed improvements will filter the pollutants and prevent pollution from entering streams, sensitive features, and the aquifer.

ATTACHMENT "I"

Measures for Minimizing Surface Stream Contamination

All surface streams will be protected from erosion by not allowing runoff to exceed existing velocities. The existing roadways will be constructed on-grade and will not concentrate stormwater runoff, thus preventing the potential for erosion. The proposed improvements will be constructed in a manner which maintains drainage patterns with the existing conditions.

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

I Edward Niland,
Print Name

Owner,
Title - Owner/President/Other

of Rockfield RV Park,
Corporation/Partnership/Entity Name

have authorized Jeffrey D. Moeller, P.E.
Print Name of Agent/Engineer

of S. Craig Hollmig, 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 applicants 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.

Applicant's Signature

8-25-08
Date

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Edward A. Niland 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 25th day of August, 2008.

Florence H. Sultemeier
Notary Public
State of Texas
My Comm. Exp. 10/10/2009

Florence H. Sultemeier
NOTARY PUBLIC

Florence H. Sultemeier
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 10/10/09

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

NAME OF PROPOSED REGULATED ENTITY: Rockfield RV Park
REGULATED ENTITY LOCATION: 2386 FM 2722, New Braunfels, TX
NAME OF CUSTOMER: Rockfield RV Park
CONTACT PERSON: Edward Niland PHONE: _____
(Please Print)

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

Regulated Entity Reference Number (if issued): RN _____ (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**

☐ **Mailed to TCEQ**:
TCEQ – Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☒ **San Antonio Regional Office**

☐ **Overnight Delivery to TCEQ**:
TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
512/239-0347

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	10.709	Acres	$ 6,500.00
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 Jeffrey D. Noell Date 8/28/08

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 5 < 10 10 < 40 40 < 100 100 < 500 ≥ 500	$1,500 $3,000 $4,000 $6,500 $8,000 $10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1 1 < 5 5 < 10 10 < 40 40 < 100 ≥ 100	$3,000 $4,000 $5,000 $6,500 $8,000 $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)*

☒ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application)*

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Attachments **Describe Any Attachments:** *(ex. Title V Application, Waste Transporter Application, etc.)*

☒ Yes ☐ No — WPAP Application

3. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	4. Regulated Entity Reference Number *(if issued)*
CN		RN

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:*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other: _____

7. General Customer Information

☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State) ☐ No Change**

If "No Change" and Section I is complete, skip to Section III – Regulated Entity Information.

8. Type of Customer:	☒ Corporation	☐ Individual	☐ Sole Proprietorship- D.B.A
☐ City Government	☐ County Government	☐ Federal Government	☐ State Government
☐ Other Government	☐ General Partnership	☐ Limited Partnership	☐ Other:

9. Customer Legal Name *(If an individual, print last name first: ex: Doe, John)* — *If new Customer, enter previous Customer below* — *End Date:*

Rockfield Investments, LLC

10. Mailing Address: 2386 FM 2722

City	State	ZIP	ZIP + 4
New Braunfels	TX	78132	2813

11. Country Mailing Information *(if outside USA)*

12. E-Mail Address *(if applicable)*

13. Telephone Number (210) 867-1333

14. Extension or Code

15. Fax Number *(if applicable)* (210) 224-7540

16. Federal Tax ID *(9 digits)*	17. TX State Franchise Tax ID *(11 digits)*	18. DUNS Number *(if applicable)*	19. TX SOS Filing Number *(if applicable)*
262281484	32036524679	NA	800950010

20. Number of Employees

☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

21. Independently Owned and Operated?

☒ Yes ☐ 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)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information ☐ 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)*

Rockfield RV Park

RECEIVED
SEP 0 9 2008
COUNTY ENGINEER

24. Street Address of the Regulated Entity: *(No P.O. Boxes)*	2280 FM 2722							
	City	New Braunfels	State	TX	ZIP	78132	ZIP + 4	2813
25. Mailing Address:	2386 FM 2722							
	City	New Braunfels	State	TX	ZIP	78132	ZIP + 4	2813

26. E-Mail Address:			
27. Telephone Number	28. Extension or Code	29. Fax Number *(if applicable)*	
(210) 867-1333		(210) 224-7540	
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)
7033	NA	721211	NA

34. What is the Primary Business of this entity? *(Please do not repeat the SIC or NAICS description.)*

Recreational Vehicle (RV) Park

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

35. Description to Physical Location:	Located on east side of FM 2722 approximately 2.4 miles north of the intersection of SH 46.

36. Nearest City	County	State	Nearest ZIP Code
New Braunfels	Comal	TX	78132

37. Latitude (N) In Decimal:	29.7664		38. Longitude (W) In Decimal:	98.2011	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	45	59	98	12	04

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.

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Industrial Hazardous Waste	☐ Municipal Solid Waste
☐ New Source Review – Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS	☐ Sludge
☐ Stormwater	☐ Title V – Air	☐ Tires	☐ Used Oil	☐ Utilities
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Jeffrey D. Moeller	41. Title:	Authorized Agent

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(830) 625-8555		(830) 625-8556	jeff@hollmiginc.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:	S. Craig Hollmig, Inc.	Job Title:	Project Manager
Name *(In Print)* :	Jeffrey D. Moeller, P.E.	Phone:	(830) 625-8555
Signature:	Jeffrey D. Moeller	Date:	8/27/2008