TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 12, 2014

Ms. Elise Woods
Jin's Bed & Biscuit Pet Resort, LLC
4715 Highway 46 West
New Braunfels, Texas 78132

RECEIVED

MAR 20 2014

COUNTY ENGINEER

Re: Edwards Aquifer, Comal County

NAME OF PROJECT: Jin's Bed & Biscuit Pet Resort; Located at 4715 Highway 46 West; New Braunfels, Texas

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

Investigation No. 1140382; Regulated Entity No. RN107048621; Additional ID No. 13-13121601

Dear Ms. Woods:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP for the above-referenced project submitted to the San Antonio Regional Office by Bettersworth & Associates on behalf of Jin's Bed & Biscuit Pet Resort, LLC on December 16, 2014. Final review of the WPAP was completed after additional material was received on February 11, 2014 and February 20, 2014. As presented to the TCEQ, the Temporary and Permanent 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 proposed project is for the construction of a dog kennel / office and associated parking on 1 acre. Proposed impervious cover is 0.263 acres (26.3 percent). The construction will also include the removal of existing base and remediation of the disturbed area with vegetative cover.

According to a letter dated, January 13, 2014, signed by Mr. Robert Boyd, P.E., with Comal County, the site is acceptable for the use of an on-site sewage facility (OSSF).

PERMANENT POLLUTION ABATEMENT MEATURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an engineered vegetative filter strip and a rainwater harvesting system, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be installed to treat stormwater runoff. The required Total Suspended Solids (TSS) treatment for this project is 234 pounds generated from the 0.263 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

A rainwater harvesting system will be implemented for the kennel /office building with a 0.13 acre rooftop area providing 126 pounds of TSS removal. The system will provide overtreatment for 0.01 acre of uncaptured impervious cover. The rainwater harvesting system will be sufficient to retain the runoff from a 1.50 inch rainfall and the system will be managed so that the minimum capture volume will be emptied at least weekly to provide storage for subsequent storms.

An engineered vegetative filter strip will treat a total of 0.12 acres of impervious cover providing 108 pounds of TSS removal. The engineered vegetative filter strip shall have a uniform slope of less than 20 percent and vegetated cover of at least 80 percent which will extend along the entire length of the contributing area and will be free of gullies or rills that can concentrate overland flow. The contributing area shall be relatively flat to evenly distribute runoff, and the impervious cover in the direction of flow shall not exceed 72 feet.

GEOLOGY

According to the geologic assessment included with the application, the site is located within the Person Formation. One manmade feature (water well) was noted in the assessment and was rated as not sensitive. The San Antonio Regional Office site assessment conducted on February 24, 2014 revealed that the site was generally as described in the application.

SPECIAL CONDITIONS

I. The permanent pollution abatement measures shall be operational prior to occupancy of the facility.

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 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.

<u>After Completion of Construction:</u>

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.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Dianne Pavlicek, P.G., of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210-403-4074.

Sincerely,

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

RECEIVED

MAR 20 2014

COUNTY ENGINEER

LB/DP/eg

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

cc: Mr. David C. Vollbrecht, P.E., Bettersworth & Associates
Mr. James C. Klein, P.E., City of New Braunfels
Mr. Thomas H. Hornseth, P.E., Comal County
Mr. Roland Ruiz, Edwards Aquifer Authority
TCEQ Central Records, Building F, MC 212

Deed Recordation Affidavit
Edwards Aquifer Protection Plan

THE STATE OF TEXAS §
County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Elise S. Woods who, being duly sworn by me deposes and says:

(1) That my name is Elise S. Woods and that I own the real property described below.

(2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.

(3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on March 12, 2014.

A copy of the letter of approval from the TCEQ is attached to this affidavit as Exhibit A and is incorporated herein by reference.

(4) The said real property is located in Comal County, Texas, and the legal description of the property is as follows:

Elise S. Woods
LANDOWNER-AFFIANT

SYLVIA B. BRANTLEY
Notary Public
State of Texas
My Comm. Exp. 10-30-2016

SWORN AND SUBSCRIBED TO before me, on this 17 day of March, 2014.

Sylvia B. Brantley
NOTARY PUBLIC

THE STATE OF Texas §
County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Elise S. Woods 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 17 day of March, 2014.

Sylvia B. Brantley
NOTARY PUBLIC
Sylvia B Brantley
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 10/30/2016

SYLVIA B. BRANTLEY
Notary Public
State of Texas
My Comm. Exp. 10-30-2016

Change in Responsibility for Maintenance on Permanent Best Management Practices and Measures

The applicant is no longer responsible for maintaining the permanent best management practice (BMP) and other measures. The project information and the new entity responsible for maintenance is listed below.

Customer: _____

Regulated Entity Name: _____

Site Address: _____

City, Texas, Zip: _____

County: _____

Approval Letter Date: _____

BMPs for the project: _____

New Responsible Party: _____

Name of contact: _____

Mailing Address: _____

City, State: _____ Zip: _____

Telephone: _____ FAX: _____

_____ _____

Signature of New Responsible Party Date

I acknowledge and understand that I am assuming full responsibility for maintaining all permanent best management practices and measures approved by the TCEQ for the site, until another entity assumes such obligations in writing or ownership is transferred.

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.

BETTERSWORTH & ASSOCIATES INC
111 E. MOUNTAIN ST.
SEGUIN, TEXAS 78155
(830)379-5552

February 19, 2014

Dianne Pavlicek, P.G.
Edwards Aquifer Protection Program
TCEQ San Antonio Regional Office
14250 Judson Road
San Antonio, Texas. 78233-4480

Ref: EAPP File No. 13-13121601-Jin's Bed & Biscuit Pet Resort

Dear Ms. Pavlicek:

Please find 1 original and four(4) copies of the revised sections of the Water Pollution Abatement Plan for improvements on the Jin's Bed & Biscuit Pet Resort Project. The enclosed packet includes the revisions as per your comments of letter dated February 14, 2014 and our email correspondence following the review. We addressed your comments with the following:

1. The TSS calculations have been revised as per your comment concerning the 0.01 acre bypassing the VFS. We have added additional capture in the Rainwater harvesting to account for the uncaptured area.

2. The typo on form 0584 has been corrected.

3. The project description has been revised as per your comment to include additional information on the base removal and the uncaptured area and over treatment preoposed.

4. I have included a revised sheet 3 of 3 for the Attachment -F- construction plans due to the revision of the rainwater harvesting TSS removal requirements. The minimum storage volume noted on the sheet was revised to match the revised TSS calculation sheet.

We believe we have addressed the comments of NOD and look forward to your approval.

If you have any comments please give me a call.

Sincerely,

David C. Vollbrecht

David C. Vollbrecht, P.E.

TCEQ
Protecting Texas by Reducing and Preventing Pollution

Fax Cover Sheet

Number of Pages: *(including this sheet)* 2

Date:	February 14, 2014
To:	David C. Vollbrecht, P.E.
Organization:	Bettersworth & Associates
Fax:	830-379-5553
To:	Elise Woods
Organization:	Jin's Bed & Biscuits
Fax:	No fax / Emailed: jinsbedandbiscuits@gmail.com
From:	Dianne Pavlicek, P.G.
Division :	Edwards Aquifer Protection Program – San Antonio Region
	Texas Commission on Environmental Quality
Phone:	210-403-4074
Fax:	210-545-4329

Re: Edwards Aquifer, Comal County

Name of Project: Jin's Bed & Biscuits Pet Resort, LLC; Located at 4715 State Highway 46 West; New Braunfels, Texas

Plan Type: Request for the Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213;

EAPP File No. 13-13121601

Dear Mr. Vollbrecht:

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

1. Please review and revise the TSS calculations to reflect 0.26 acres of impervious cover total. Note that for the VFS 0.12 acres is indicated and for the detention/irrigation 0.13 acres is indicated. The combined total is 0.25 acres and should be 0.26 acres.

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

ATTACHMENT – C –

PROJECT DESCRIPTION

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

The proposed project will consist of construction of 5200 sf dog kennel/office, washed rock and concrete paving, septic installation and landscaping/revegetation. The construction will also consist of the removal of existing base and remediation of the disturbed areas, installation of permanent BMP's which will consist of rainwater harvesting and vegetative filter strip.

NOTE-The washed rocked rock area will include a 0.01 ac. small portion uncaptured by the VFS and will be accounted for in the overtreatment of the rainwater harvesting portion of the permanent BMP's.

The regulated activity of concern on this project is the construction of the building & concrete pavement parking and the sequence of construction activities should be as follows:

- INSTALLATION OF TEMPORARY BMPs-SILT FENCE.
- REMOVAL /PROTECTION OF TARGETED TREES.
- REMOVING AND REMEDIATION OF EXISTING BASE TO LIMIT IMPERVIOUS
- STRIPPING & STOCKPILING/REMOVAL OF EXISTING TURF & DEBRIS.
- EARTHWORK FOR BUILDING AREA,PARKING PAVEMENT AND GRADING SITE.
- FLEXIBLE BASE, SLAB & CONCRETE PAVING.
- BUILDING CONSTRUCTION & SEPTIC INSTALLATION
- INSTALLATION OF PBMP-RAINWATER HARVESTING & VEGETATIVE STRIP
- FINAL FINISHING, STABILIZING SITE.
- INSTALLATION OF LANDSCAPE AND RE-ESTABLISH NATIVE GRASSES

The specifications for this job are intended to provide for first class materials, workmanship and finish. The owner of the site will be overseeing the construction procedures and will provide a completed project of high quality and first class finish, appearance, and function.

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: Jin's Bed & Biscuits Pet Resort, LLC

REGULATED ENTITY INFORMATION

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

2. Total site acreage (size of property): 1 ACRES

3. Projected population: N/A

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	5650	÷ 43,560 =	0.130
Parking	5662	÷ 43,560 =	0.130
Other paved surfaces/SW	150	÷ 43,560 =	0.003
Total Impervious Cover	11,462	÷ 43,560 =	0.263
Total Impervious Cover ÷ Total Acreage x 100 =			26.3%

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. _X_ **ATTACHMENT B - Volume and Character of Stormwater.** A description of the volume and character (quality) of the stormwater runoff which is expected to occur from the proposed project is provided at the end of this form. The estimates of stormwater runoff quality and quantity should be based on area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

WASTEWATER TO BE GENERATED BY THE PROPOSED PROJECT

14. The character and volume of wastewater is shown below:

_100_% Domestic	___264__ gallons/day
__% Industrial	_____ gallons/day
__% Commingled	_____ gallons/day

TOTAL___264__ gallons/day

15. Wastewater will be disposed of by:

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

_X_ **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.

_N/A_ Sewage Collection System (Sewer Lines):

__ Private service laterals from the wastewater generating facilities will be connected to an existing SCS.

__ Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.

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

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

16. _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" = ___20'____.

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):

_____

_____

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 16 TAC §76.
__ There are no wells or test holes of any kind known to exist on the project site.

21. Geologic or manmade features which are on the site:
_X_ All **sensitive** geologic or manmade features identified in the Geologic Assessment are shown and labeled.
__ No **sensitive** geologic or manmade features were identified in the Geologic Assessment.
__ **ATTACHMENT D - Exception to the Required Geologic Assessment.** An exception to the Geologic Assessment requirement is requested and explained at the end of this form.

22. _X_ The drainage patterns and approximate slopes anticipated after major grading activities.

23. _X_ Areas of soil disturbance and areas which will not be disturbed.

24. _X_ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

25. _X_ Locations where soil stabilization practices are expected to occur.

26. _N/A_ 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_ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

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

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **WATER POLLUTION ABATEMENT PLAN APPLICATION FORM** is hereby submitted for TCEQ review and Executive Director approval. The form was prepared by:

DAVID C. VOLLBRECHT
Print Name of Customer/Agent

David C. Vollbrecht 2-19-2014
Signature of Customer/Agent Date

Post Development Runoff Coefficient =	0.84	
On-site Water Quality Volume =	711	cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP =	0.00	acres
Off-site Impervious cover draining to BMP =	0.00	acres
Impervious fraction of off-site area =	0	
Off-site Runoff Coefficient =	0.00	
Off-site Water Quality Volume =	0	cubic feet
Storage for Sediment =	142	
Total Capture Volume (required water quality volume(s) x 1.20) =	853	cubic feet ← 6381 GAL.

The following sections are used to calculate the required water quality volume(s) for the selected BMP.
The values for BMP Types not selected in cell C45 will show NA.

7. Retention/Irrigation System Designed as Required in RG-348 Pages 3-42 to 3-46

Required Water Quality Volume for retention basin =	853	cubic feet	
Irrigation Area Calculations:			
Soil infiltration/permeability rate =	0.1	in/hr	**Enter determined permeability rate or assumed value**
Irrigation area =	3413	square feet	
	0.08	acres	

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

Required Water Quality Volume for extended detention basin =	NA	cubic feet

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	NA	cubic feet	
Minimum filter basin area =	NA	square feet	
Maximum sedimentation basin area =	NA	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =	NA	square feet	**For maximum water depth of 8 feet**

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	NA	cubic feet	
Minimum filter basin area =	NA	square feet	
Maximum sedimentation basin area =	NA	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =	NA	square feet	**For maximum water depth of 8 feet**

10. Bioretention System Designed as Required in RG-348 Pages 3-63 to 3-65

Required Water Quality Volume for Bioretention Basin =	NA	cubic feet

11. Wet Basins Designed as Required in RG-348 Pages 3-66 to 3-71

Required capacity of Permanent Pool =	NA	cubic feet	**Permanent Pool Capacity is 1.20 times the WQV**
Required capacity at WQV Elevation =	NA	cubic feet	**Total Capacity should be the Permanent Pool Capacit plus a second WQV.**

12. Constructed Wetlands Designed as Required in RG-348 Pages 3-71 to 3-73

Required Water Quality Volume for Constructed Wetlands =	NA	cubic feet

13. Aqua[illegible]™ Cartridge System Designed as Required in RG-348 Pages 3-74 to 3-78

**** 2005 Technical Guidance Manual (RG-348) does not exempt the required 20% increase with maintenance contract with AquaLogic™.**

Required Sedimentation chamber capacity =	NA	cubic feet
Filter canisters (FCs) to treat WQV =	NA	cartridges
Filter basin area (RIA_F) =	NA	square feet

14. Stormwater Management StormFilter® by CONTECH

Required Water Quality Volume for Contech StormFilter System =	NA	cubic feet

THE SIZING REQUIREMENTS FOR THE FOLLOWING BMPs / LOAD REMOVALS ARE BASED UPON FLOW RATES - NOT CALCULATED WATER QUALITY VC

15. Grassy Swales Designed as Required in RG-348 Pages 3-51 to 3-54

Design parameters for the swale:

Drainage Area to be Treated by the Swale = A =	8.00	acres

TSS Removal Calculations 04-20-2009

Project Name: jins bed/biscuit-rainwater h
Date Prepared: 2/18/2014

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadshee

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:

$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased lo
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Comal	
Total project area included in plan * =	1.00	acres
Predevelopment impervious area within the limits of the plan * =	0.00	acres
Total post-development impervious area within the limits of the plan* =	0.26	acres
Total post-development impervious cover fraction * =	0.26	
P =	33	inches
$L_{M\ TOTAL\ PROJECT}$ =	233	lbs.

* The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = 2

2-19-2014
STATE OF TEXAS
DAVID C. VOLLBRECHT
95941
LICENSED PROFESSIONAL ENGINEER
David C. Vollbrecht

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = 2

Total drainage basin/outfall area =	0.13	acres
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres
Post-development impervious area within drainage basin/outfall area =	0.13	acres
Post-development impervious fraction within drainage basin/outfall area =	1.01	
$L_{M\ THIS\ BASIN}$ =	117	lbs.

+ 9 lbs = 126 lbs

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Retention / Irrigation
Removal efficiency = 100 percent

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

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:

A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	0.12	acres
A_I =	0.12	acres
A_P =	0.00	acres
L_R =	137	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = 126 lbs.

VFS
233 - 108 = 125 ✓
MIN.

F = 0.92

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

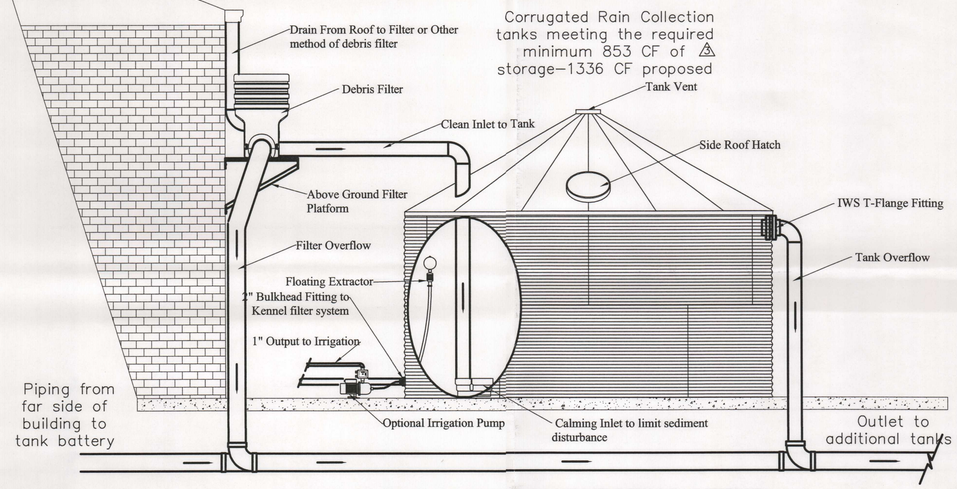
Rainfall Depth = 2.00 inches

⚠2 VEGETATIVE STRIP MAINTENANCE / INSPECTION PROCEDURES

These are the inspection and maintenance practices that will be used to maintain the Vegetative Filter Strip.

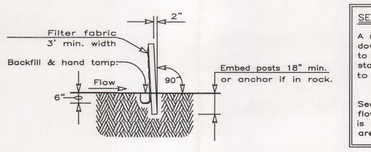
- Cut grass high(3"+)to maximize mowing interval, and remove no more than one-third of the total blade height.
- Mulch mow to encourage decomposition and reduce fertilizer requirement.
- Use manufacture recommendations for application of ORGANIC pesticides and ORGANIC fertilizers.
- Water regular/consistent to maintain green healthy growth but water no more than once or twice a week. Water deeply to encourage roots to grow downward.
- Avoid over-watering and utilize lower rate delivery systems that increase infiltration, conserve water, and minimize runoff.
- Turf will be inspected for bare spots, washouts and healthy growth.
- Heavy weed infestation should be removed by weeding and/or with proper use of herbicide.
- Prepare bare spots for patching with sod by loosening soil to appropriate depth. Roll sod to create good contact with soil.
- If bare spot was caused by herbicide or gasoline/oil spill, remove and replace the loosened soil and dispose of contaminated soil properly.
- Cut turf pieces to size and fit the gap, sifting compost into the cracks to protect the roots from drying out. Water well.
- Proper sheet flow across filter strip shall be maintained. Any sign of concentrated flow will be eliminated by filling and sodding.
- Inspections shall be done bi-monthly and/or at times of maintenance mowing.
- A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.
- _Mr. Woods_, site owner, will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
- Personnel selected for inspection and maintenance responsibilities will receive training from _Mr. Woods_. They will be trained in all the inspection and maintenance practices necessary for keeping the Vegetative Filter Strip in good working order.

Vegetated Filter Strips. Vegetated Filter Strips should be planted at such a density to achieve a 90% grass/herbaceous cover after the second growing season. Filter strips should be seeded, not sodded. Seeding establishes deeper roots, and sod may have muck soil that is not conducive to infiltration



⚠2 TYPICAL RAIN WATER HARVESTING SETUP

The owner will be working with a rain water harvesting contractor to install a functional system to meet the requirements of TCEQ Retention/Irrigation storage volume requirements as per the sizing calculation approved in the WPAP. The owner proposes to treat the water to the extent that it can be used within the Kennel for washing uses. The owner may install an additional irrigation system for the watering of the vegetative filter strip.



SECTION A—A

SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

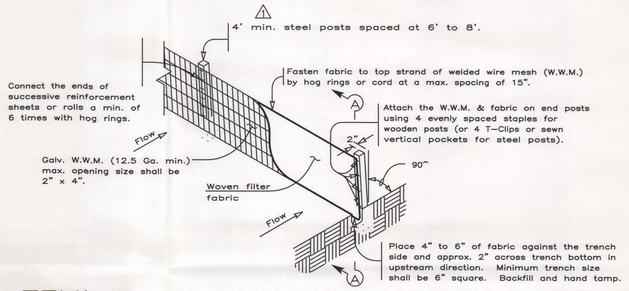
Sediment control fence should be sized to filter a max. flow through rate of 40 GPM/FT^2. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

PLAN SHEET LEGEND

Sediment Control Fence — SCF

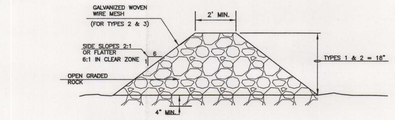
GENERAL NOTES

1. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

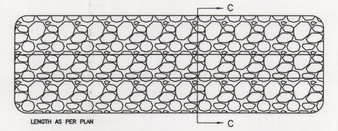


TEMPORARY SEDIMENT CONTROL FENCE

SCF

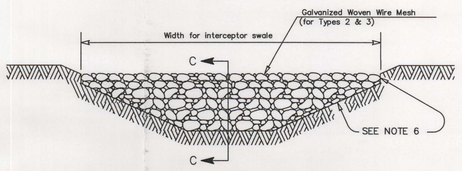


SECTION C — C



TYPE I—ROCK FILTER DAM

INSTALLATION WITHIN INTERCEPTOR SWALE



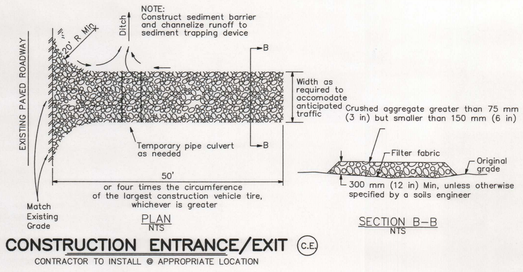
FILTER DAM AT CHANNEL SECTIONS

WPD1 — OR — WPD2 — OR — WPD3

TYPE 1 OR TYPE 2

GENERAL NOTES—RFB

1. If shown on the plans or directed by the Engineer, filter dams should be placed near the toe of slopes where erosion is anticipated, upstream and/or downstream at drainage structures, and in roadway ditches and channels to collect sediment.
2. Materials (aggregate, wire mesh, sandbags, etc.) shall be as indicated by the specification for "Rock Filter Dams for Erosion and Sedimentation Control".
3. The rock filter dam dimensions shall be as indicated on the SW3P plans.
4. Side slopes should be 2:1 or flatter. Dams within the safety zone shall have sideslopes of 6:1 or flatter.
5. Maintain a minimum of 1' between top of rock filter dam weir and top of embankment for filter dams at sediment traps.
6. Filter dams should be embedded a minimum of 4" into existing ground.
7. The sediment trap for ponding of sediment laden runoff shall be of the dimensions shown on the plans.
8. Rock filter dam types 2 & 3 shall be secured with 20 gauge galvanized woven wire mesh with 1" diameter hexagonal openings. The aggregate shall be placed on the mesh to the height & slopes specified. The mesh shall be folded at the upstream side over the aggregate and tightly secured to itself on the downstream side using wire ties or hog rings. In stream use the mesh should be secured or staked to the stream bed prior to aggregate placement.
9. Sack Gabions should be staked down with 3/4" dia. rebar stakes.
10. Flow outlet should be onto a stabilized area (vegetation, rock, etc.).
11. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

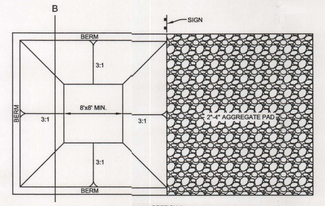


PLAN NTS

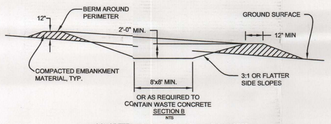
SECTION B—B NTS

CONSTRUCTION ENTRANCE/EXIT (C.E.)

CONTRACTOR TO INSTALL @ APPROPRIATE LOCATION

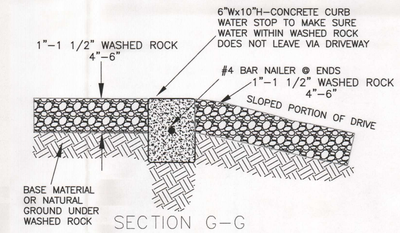


SECTION A NTS



OR AS REQUIRED TO CONTAIN WASTE CONCRETE

SECTION B NTS



SECTION G—G

CONCRETE WASHOUT AREA INSTALLATION NOTES:

1. SEE PLAN VIEW FOR: LOCATIONS OF CONCRETE WASHOUT AREA. (TO BE PLACED A MINIMUM OF 100' FROM DRINAGEWAYS, BODIES OF WATER, AND INLETS.)
2. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
3. VEHICLE TRACKING CONTROL IS REQUIRED AT THE ACCESS POINT.
4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.

CONCRETE WASHOUT AREA MAINTENANCE NOTES:

1. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
2. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
3. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.
4. INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

CWA CONCRETE WASHOUT AREA

OR OTHER MEANS OF CONTAINING TRUCK WASH OUT

3 WASHED ROCK PERIMETER TIE & VEGETATIVE STRIP

N.T.S.

TCEQ-0592 (Rev. 3/15/07)

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

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

NOTE: NO CONSTRUCTION PRIOR TO TCEQ APPROVAL OF PLAN

ATTACHMENT - F -

NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL EXISTING UTILITIES. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE THE APPROXIMATE LOCATION AND THESE PLANS MAY NOT SHOW ALL UTILITIES. THE CONTRACTOR SHALL UNCOVER AND VERIFY THE VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING WATER AND SEWER MAINS TO BE EXTENDED OR TIED TO PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS INCLUDING BUT NOT LIMITED TO OSHA SAFETY REQUIREMENTS.

REVISIONS	DATE
⚠1 REVISED SILT FENCE DETAIL—STEEL POST	2/10/14
⚠2 ADD RAIN HARVEST DETAIL & OTHERS	2/10/14
⚠3 REVISE MIN STORAGE	2/19/14
⚠4	
⚠5	
⚠6	
⚠7	

IF THIS BAR DOES NOT MEASURE 1 INCH, THEN THE DRAWING IS NOT TO SCALE — 1 INCH

VERTICAL SCALE:	NONE
HORIZONTAL SCALE:	NONE
DRAWING DATE:	10/30/2013
DRAWING STATUS:	FINAL
DRAWN BY:	DCV
ISSUE DATE:	2/19/14

2-19-14
STATE OF TEXAS
DAVID C. VOLLBRECHT
95941
LICENSED
PROFESSIONAL ENGINEER
DCV

BETTERSWORTH & ASSOCIATES, INC.
111 EAST MOUNTAIN STREET, SEGUIN, TEXAS 78155
PH: 830.379.5552 FX: 830.379.5553 E-MAIL:bttrswrt@flash.net
Texas Registration No. F-11731

WATER POLLUTION ABATEMENT PLAN
JIN'S BED & BISCUITS PET RESORT,LLC
DRAINAGE & BUILDING IMPROVEMENTS
COMAL COUNTY, TEXAS

PROJECT #: 25237
DRAWING: WPAP
SHEET: 3 OF 3

ATTACHMENT - F - 25237 – D – M

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 18, 2013

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: Jin's Bed and Biscuit Pet Resort, located on the south side of State Highway 46, New Braunfels, Texas

PLAN TYPE: Application for Approval of a Water Pollution Plan (WPAP) 30 Texas Administration Code (TAC) Chapter 213; Edwards Aquifer Protection Program
EAPP File No. and Regulated Entity No.: RN107048621
EAPP Additional ID: 13-13121601

Dear Mr. Hornseth:

The referenced application is being forwarded to you pursuant to the Edwards Aquifer Rules. The Texas Commission on Environmental Quality (TCEQ) is required by 30 TAC Chapter 213 to provide copies of all applications to affected incorporated cities and underground water conservation districts for their comments prior to TCEQ approval.

Please forward your comments to this office by January 18, 2014.

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

Todd Jones
for Water Section Work Leader
San Antonio Regional Office

TJ/eg

BETTERSWORTH & ASSOCIATES INC
111 E. MOUNTAIN ST.
SEGUIN, TEXAS 78155
(830)379-5552

December 10, 2013

Mr. Zak Covar
Executive Director-TCEQ
TCEQ San Antonio Regional Office
14250 Judson Road
San Antonio, Texas. 78233-4480

Attn: Water Section Manager

Dear Mr. Covar:

Please find 1 original and four(4) copies of the proposed Water Pollution Abatement Plan for improvements on the Jin's Bed & Biscuit Pet Resort Project. The enclosed packet includes the application forms for the WPAP and a request for the Impervious Cover Waiver. We request your review of the plan and look forward to your approval.

If you have any comments please give me a call.

Sincerely,

David C. Vollbrecht

David C. Vollbrecht

Water Pollution Abatement Plan Checklist

___ General Information Form (*TCEQ-0587*)
- ATTACHMENT A - Road Map
- ATTACHMENT B - USGS / Edwards Recharge Zone Map
- ATTACHMENT C - Project Description

___ Geologic Assessment Form (*TCEQ-0585*)
- ATTACHMENT A - Geologic Assessment Table (*TCEQ-0585-Table*)
- Comments to the Geologic Assessment Table
- ATTACHMENT B - Soil Profile and Narrative of Soil Units
- ATTACHMENT C - Stratigraphic Column
- ATTACHMENT D - Narrative of Site Specific Geology
- Site Geologic Map(s)
- Table or list for the position of features' latitude/longitude (if mapped using GPS)

___ Water Pollution Abatement Plan Application Form (*TCEQ-0584*)
- ATTACHMENT A - Factors Affecting Water Quality
- ATTACHMENT B - Volume and Character of Stormwater
- ATTACHMENT C - Suitability Letter from Authorized Agent (if OSSF is proposed)
- ATTACHMENT D - Exception to the Required Geologic Assessment (if requesting an exception)
- Site Plan

___ Temporary Stormwater Section (*TCEQ-0602*)
- ATTACHMENT A - Spill Response Actions
- ATTACHMENT B - Potential Sources of Contamination
- ATTACHMENT C - Sequence of Major Activities
- ATTACHMENT D - Temporary Best Management Practices and Measures
- ATTACHMENT E - Request to Temporarily Seal a Feature, if sealing a feature
- ATTACHMENT F - Structural Practices
- ATTACHMENT G - Drainage Area Map
- ATTACHMENT H - Temporary Sediment Pond(s) Plans and Calculations
- ATTACHMENT I - Inspection and Maintenance for BMPs
- ATTACHMENT J - Schedule of Interim and Permanent Soil Stabilization Practices

___ Permanent Stormwater Section (*TCEQ-0600*)
- ATTACHMENT A - 20% or Less Impervious Cover Waiver, if project is multi-family residential, a school, or a small business and 20% or less impervious cover is proposed for the site
- ATTACHMENT B - BMPs for Upgradient Stormwater
- ATTACHMENT C - BMPs for On-site Stormwater
- ATTACHMENT D - BMPs for Surface Streams
- ATTACHMENT E - Request to Seal Features (if sealing a feature)
- ATTACHMENT F - Construction Plans
- ATTACHMENT G - Inspection, Maintenance, Repair and Retrofit Plan
- ATTACHMENT H - Pilot-Scale Field Testing Plan, if BMPs not based on *Complying with the Edwards Aquifer Rules: Technical Guidance for BMPs*
- ATTACHMENT I -Measures for Minimizing Surface Stream Contamination

___ Agent Authorization Form (*TCEQ-0599*), if application submitted by agent

___ Application Fee Form (*TCEQ-0574*)

___ Check Payable to the "Texas Commission on Environmental Quality"

___ Core Data Form (*TCEQ-10400*)

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

REGULATED ENTITY NAME: JIN'S BED & BISCUITS PET RESORT, LLC
COUNTY: COMAL STREAM BASIN: DRY COMAL

EDWARDS AQUIFER: _X_ RECHARGE ZONE
___ TRANSITION ZONE

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

CUSTOMER INFORMATION

1. Customer (Applicant):

Contact Person: ELISE WOODS
Entity: JIN'S BED & BISCUIT
Mailing Address: 4715 HIGHWAY 46 W.
City, State: NEW BRAUNFELS Zip: 78132
Telephone: 830-660-1138 FAX:
jinsbedandbiscuits@gmail.com

Agent/Representative (If any):

Contact Person: DAVID C. VOLLBRECHT
Entity: BETTERSWORTH & ASSOCIATES
Mailing Address: 111 EAST MOUNTAIN
City, State: SEGUIN Zip: 78155
Telephone: 830-379-5552 FAX: 830-379-5553

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 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.

4715 ST. HIGHWAY 46 W.- Approximately 1.1 miles northwest of the intersection of ST. Hwy 46and FM 2722 on St. Hwy 46-South side of Highway

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
   _X_ Existing residential site
   __ Existing paved and/or unpaved roads
   __ Undeveloped (Cleared)
   __ Undeveloped (Undisturbed/Uncleared)
   __ Other: _____

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 request for an exception to any substantive portion of the regulations related to the protection of water quality.
__ A request for an extension to a previously approved plan.

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

__ TCEQ cashier
__ Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
_X_ San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

13. _X_ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

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

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

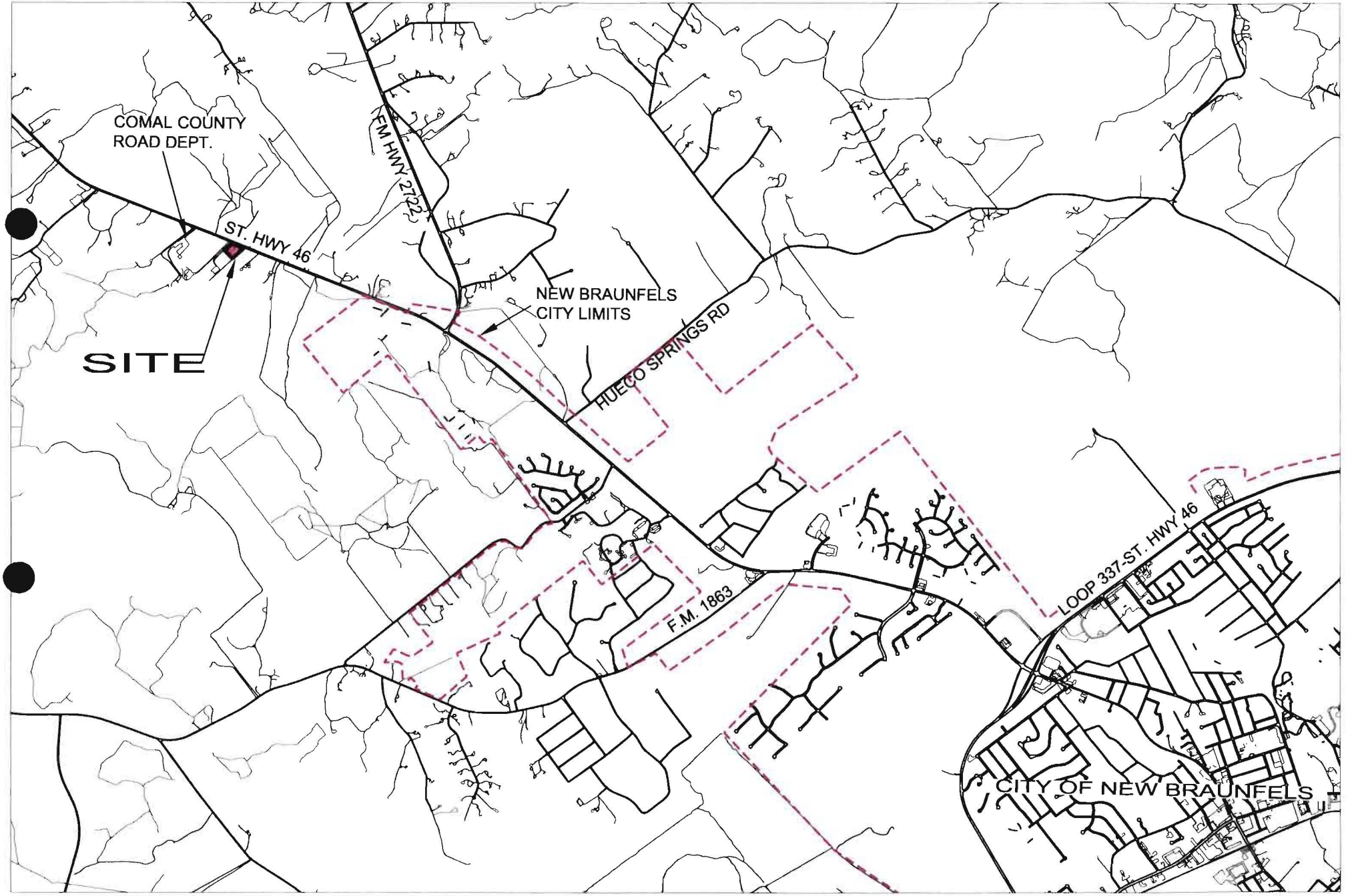
David C. Vollbrecht-Bettersworth & Associates Inc.
Print Name of Customer/Agent

David C. Vollbrecht 12-10-13
Signature of Customer/Agent 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-



ROAD MAP

ATTACHMENT – C –

PROJECT DESCRIPTION

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

The proposed project will consist of construction of 5200 sf dog kennel/office, washed rock and concrete paving, septic installation and landscaping/revegetation

The regulated activity of concern on this project is the construction of the building & concrete pavement parking and the sequence of construction activities should be as follows:

- INSTALLATION OF TEMPORARY BMPs-SILT FENCE.
- REMOVAL /PROTECTION OF TARGETED TREES.
- STRIPPING & STOCKPILING/REMOVAL OF EXISTING TURF & DEBRIS.
- EARTHWORK FOR BUILDING AREA,PARKING PAVEMENT AND GRADING SITE.
- FLEXIBLE BASE, SLAB & CONCRETE PAVING.
- BUILDING CONSTRUCTION & SEPTIC INSTALLATION
- FINAL FINISHING, STABILIZING SITE.
- INSTALLATION OF LANDSCAPE AND RE-ESTABLISH NATIVE GRASSES

The specifications for this job are intended to provide for first class materials, workmanship and finish. The owner of the site will be overseeing the construction procedures and will provide a completed project of high quality and first class finish, appearance, and function.

Official Edwards Aquifer Recharge Zone Map
31 Texas Administrative Code Chapter 313
Subchapter A—San Antonio Region

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW BRAUNFELS WEST QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped by the Army Map Service
Published for civil use by the Geological Survey

Control by USGS, NOS/NOAA, and USCE

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1956. Field check 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system, south central zone
1000-metre Universal Transverse Mercator grid ticks, zone 14, shown in blue

Revisions shown in purple compiled by the Geological Survey from aerial photographs taken 1973. This information not field checked

Purple tint indicates extension of urban areas

UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DASHED LINES REPRESENT 5 FOOT CONTOURS
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

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 WEST, TEX.

N2937.5—W9807.5/7.5

1958
PHOTOREVISED 1973
AMS 6343 II NW SERIES V882

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1975

2099-413

GEOLOGIC ASSESSMENT

For:

Water Pollution Abatement Plan

For:

Jin's Bed & Biscuit Pet Resort, LLC
4715 Highway 46 West
New Braunfels, Comal County, Texas

Prepared for:

Bettersworth & Associates, Inc
111 E. Mountain Street
Seguin, Texas 78155

December, 2013

Prepared by:
Michelle M. Lee, P.G.
Job No. 012-001

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: Jin's Bed & Biscuit Pet Resort, LLC

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)
RUD	D	<1.5'

* 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" = 20'
Site Geologic Map Scale	1" = 20'
Site Soils Map Scale (if more than 1 soil type)	1" = 20'

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.
__ 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 Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

Date(s) Geologic Assessment was performed: November 4, 2013
Date(s)

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Michelle M. Lee
Print Name of Geologist

210.831.6454
Telephone

NA
Fax

Michelle M. Lee
Signature of Geologist

December 9, 2013
Date

STATE OF TEXAS
MICHELLE M. LEE
GEOLOGY
6071
LICENSED
PROFESSIONAL GEOSCIENTIST

Representing: Bettersworth & Associates, Inc.
(Name of Company)

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

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

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: Jin's Bed & Biscuits Pet Resort, LLC

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 (NOPT)	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z		10						<40	>=40	<1.8	>1.8	
S-1			MB	30	Kep	0.5	0.5	??	none				X	5	35	X		X		HILLTOP
															0					
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* DATUM: NAD 83

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

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

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

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

Michelle M. Lee

STATE OF TEXAS
MICHELLE M. LEE
GEOLOGY
6071
LICENSED
PROFESSIONAL GEOSCIENTIST

Michelle M. Lee
December 9, 2013

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

JIN'S BED & BISCUIT PET RESORT, LLC
4715 HWY 46 WEST
NEW BRAUNFELS, COMAL COUNTY, TEXAS

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

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

Note: CU = Confining Unit; AQ = Aquifer

= = = Indicates Mapped Surface Formation

SOIL NARRATIVE

JIN'S BED & BISCUIT PET RESORT, LLC
4715 HWY 46 WEST
NEW BRAUNFELS, COMAL COUNTY, TEXAS

In accordance with the United States Department of Agriculture (USDA) Web Soil Survey, native surficial soils at the site during field reconnaissance belong to the Rumple-Comfort association (RUD), 1 to 8 percent slopes. The site has been cleared and landscaped with grass and other decorative vegetation. Native limestone outcrops were very few as the grass obscured the natural surface.

RUD – Rumple-Comfort association, 1-8 percent slopes

- *Slope:* 1 to 8 percent
- *Depth to restrictive feature:* 20 to 40 inches to lithic bedrock
- *Drainage class:* Well drained
- *Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)
- *Depth to water table:* More than 80 inches
- *Frequency of flooding:* None
- *Frequency of ponding:* None
- *Calcium carbonate, maximum content:* 5 percent
- *Available water capacity:* Very low (about 1.4 inches)

SITE SPECIFIC GEOLOGY NARRATIVE

JIN'S BED & BISCUIT PET RESORT, LLC
4715 HWY 46 WEST
NEW BRAUNFELS, COMAL COUNTY, TEXAS

Introduction
A Geologic Assessment (GA) was performed for the above-referenced site on November 4, 2013 by Michelle M. Lee, P.G. #6071. The GA was performed in accordance with the Texas Commission on Environmental Quality (TCEQ) *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones, TCEQ-0585-Instructions (Rev. 10-01-04).* One potential recharge feature (S-1), as defined by TCEQ-0585, was observed on the surface of the ~2.0 acre Site at the time of this assessment. The feature observed during field reconnaissance was a water well which was in use, appeared to be in compliance with 16 TAC Chapter 76 and determined to be not sensitive.

Background
The proposed project area is located within a rural area of northern New Braunfels, Comal County, Texas. The project area is situated on a small hillside gently sloping to the south-southeast. The property has been mostly cleared with grass and other vegetation on the surface. Only a few very small natural limestone outcrops were observed at the time of field reconnaissance. A house and a couple of storage sheds were also present on the property.

Stratigraphy
According to the *Geologic Map of the New Braunfels 30 x 60 Minute Quadrangle: Geologic Framework of an Urban-Growth Corridor along the Edwards Aquifer, South-Central Texas (Collins, 2000)*, the subject property is located over the Cretaceous aged Edwards Limestone Formation – Person Member (Kep). Native limestone outcrops were very sparse but did appear to be in line with published descriptions of the Edwards Limestone Formation.

Structure
According to the *Geologic Map of the New Braunfels 30 x 60 Minute Quadrangle: Geologic Framework of an Urban-Growth Corridor along the Edwards Aquifer, South-Central Texas (Collins, 2000)*, there are no mapped structural features on the Site. However there is a mapped fault just to the north and northwest that is trending SW-NE. Visual evidence of this fault, or any other possible structural features was not observed during field reconnaissance.

Karstic Characteristics
No karst features were observed on the Site at the time of this assessment.

Features

Man Made Feature in Bedrock

S-1 Water Well Not Sensitive

This feature was observed to be an operating water well located in the eastern portion of the Site. The well appears to comply with 16 TAC Chapter 76. Probability of rapid infiltration through this feature is very low.

LEGEND

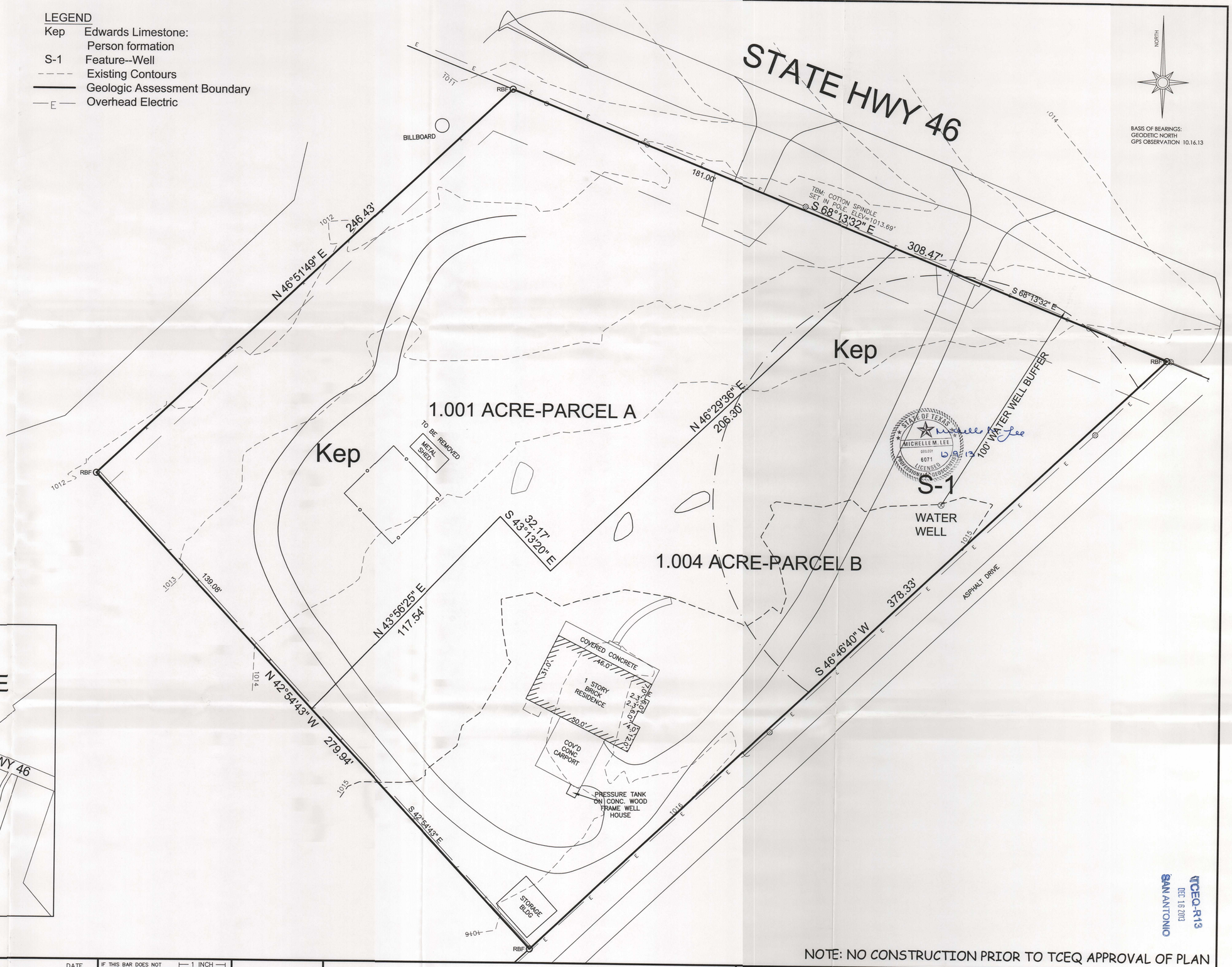
Kep Edwards Limestone: Person formation

S-1 Feature--Well

Existing Contours

Geologic Assessment Boundary

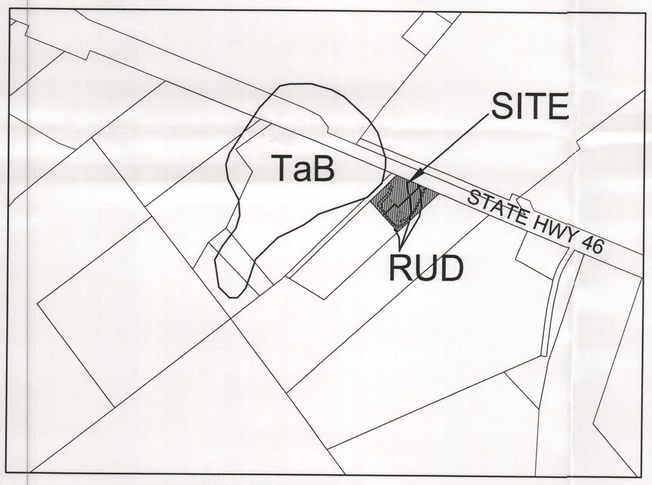
—E— Overhead Electric



SOIL LEGEND

TaB Tarpley Clay, 1 to 3 percent slope

RUD Rumple-Comfort association,1 to 8 percent slope



SOIL MAP

SCALE:1"=500'

TCEQ-R13
DEC 16 2013
SAN ANTONIO

NOTE: NO CONSTRUCTION PRIOR TO TCEQ APPROVAL OF PLAN

OTE:

HE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL XISTING UTILITIES. THE LOCATIONS OF THE EXISTING UTILITIES HOWN ON THESE PLANS ARE THE APPROXIMATE LOCATION AND HESE PLANS MAY NOT SHOW ALL UTILITIES. THE CONTRACTOR HALL UNCOVER AND VERIFY THE VERTICAL AND HORIZONTAL OCATIONS OF EXISTING WATER AND SEWER MAINS TO BE XTENDED OR TIED TO PRIOR TO CONSTRUCTION.

HE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL PPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS INCLUDING UT NOT LIMITED TO OSHA SAFETY REQUIREMENTS.

REVISIONS	DATE
1	
2	
3	
4	
5	
6	
7	

IF THIS BAR DOES NOT MEASURE 1 INCH, THEN THE DRAWING IS NOT TO SCALE — 1 INCH

VERTICAL SCALE:	1"=NONE
HORIZONTAL SCALE:	1"=20'
DRAWING DATE:	10/30/2013
DRAWING STATUS:	FINAL
DRAWN BY:	DCV
ISSUE DATE:	11/21/13

BETTERSWORTH & ASSOCIATES, INC.
111 EAST MOUNTAIN STREET, SEGUIN, TEXAS 78155
PH: 830.379.5552 FX: 830.379.5553 E-MAIL:bttrswrt@flash.net
Texas Registration No. F-11731

GEOLOGIC SITE MAP

JIN'S BED & BISCUITS PET RESORT, LLC DRAINAGE & BUILDING IMPROVEMENTS

COMAL COUNTY, TEXAS

PROJECT #: 25237

DRAWING: GEOLOGIC ASSESS

SHEET: 1 OF 1

25237 – D – M

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: Jin's Bed & Biscuits Pet Resort, LLC

REGULATED ENTITY INFORMATION

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

2. Total site acreage (size of property): 1 ACRE

3. Projected population: N/A

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	5450	÷ 43,560 =	0.125
Parking	1320	÷ 43,560 =	0.030
Other paved surfaces	150	÷ 43,560 =	0.003
Total Impervious Cover	6920	÷ 43,560 =	0.159
Total Impervious Cover ÷ Total Acreage x 100 =			15.9%

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. _X_ **ATTACHMENT B - Volume and Character of Stormwater.** A description of the volume and character (quality) of the stormwater runoff which is expected to occur from the proposed project is provided at the end of this form. The estimates of stormwater runoff quality and quantity should be based on area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

WASTEWATER TO BE GENERATED BY THE PROPOSED PROJECT

14. The character and volume of wastewater is shown below:

_100_% Domestic	___264___ gallons/day
__% Industrial	_____ gallons/day
__% Commingled	_____ gallons/day
TOTAL	___264___ gallons/day

15. Wastewater will be disposed of by:

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

_X_ **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.

_N/A_ Sewage Collection System (Sewer Lines):

__ Private service laterals from the wastewater generating facilities will be connected to an existing SCS.

__ Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.

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

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

16. _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" = __20'__.

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):

_____
_____

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 16 TAC §76.
__ There are no wells or test holes of any kind known to exist on the project site.

21. Geologic or manmade features which are on the site:
_✓_ All **sensitive** geologic or manmade features identified in the Geologic Assessment are shown and labeled.
_X_ No **sensitive** geologic or manmade features were identified in the Geologic Assessment.
__ **ATTACHMENT D - Exception to the Required Geologic Assessment.** An exception to the Geologic Assessment requirement is requested and explained at the end of this form.

22. _X_ The drainage patterns and approximate slopes anticipated after major grading activities.

23. _X_ Areas of soil disturbance and areas which will not be disturbed.

24. _X_ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

25. _X_ Locations where soil stabilization practices are expected to occur.

26. _N/A_ 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_ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

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

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **WATER POLLUTION ABATEMENT PLAN APPLICATION FORM** is hereby submitted for TCEQ review and Executive Director approval. The form was prepared by:

DAVID C. VOLLBRECHT
Print Name of Customer/Agent

David C. Vollbrecht 12-10-13
Signature of Customer/Agent Date

ATTACHMENT – A –

FACTORS AFFECTING WATER QUALITY

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

The proposed project will have some activities and construction-generated pollution that might affect the water quality down stream of the site. Soil disturbing activities will include clearing and grubbing; installing a stabilized construction exit, installation of silt fence, grading of site for pavement, and preparation for final vegetation. The Materials or substances that are expected to be present onsite during construction and could be a factor affecting water quality are listed as follows:

- Concrete
- Detergents
- Paints
- Tar
- Petroleum Based products
- Cleaning Solvents
- Wood
- Soil Disturbance

ATTACHMENT – B –

ESTIMATE OF Q (FLOW)

RATIONAL METHOD:

The rational method utilizes a U.S. Geological Survey for the basis of slope, drainage area and time of concentration. The rational method is typically used only on areas up to 200 acres. This site is significantly smaller than 200 acres.

$Q=CIA \qquad I = \frac{b}{(Tc + d)^e} \qquad Tc = \frac{LENGTH}{VELOCITY}$ (MIN. T_C = 10 MINIUTES)

WHERE:
Q=FLOW (cfs)
C=RUNOFF COEFFICIENTS (ASCE 1960)
I=RAINFALL INTENSITY
A=DRAINAGE AREA
Tc=TIME OF CONCENTRATION
b, d, & e = COUNTY CONSTANTS (TxDOT)

Comal County-2 year-→b=71.5 d=13.09 e=0.850

PRE-CONSTRUCTION FLOW-TOTAL ONSITE FLOW LEAVING BOUNDARY

AREA = 0.34 AC. ONSITE OLD BASE(C=0.8) as per 1995 AERIAL PHOTO
0.02 AC. BUILDINGS(C=C=0.95)
0.64 AC. NATIVE GRASS & SOIL(C=0.40)

WEIGHTED C = 0.547

TIME OF CONCENTRATION --
USE T_C = 10 MINUTES

I_2 = 4.96 IN/HR

Q_2 = CIA = (0.547)*(4.96)*(1.0) = 2.7 **CFS LEAVING SITE**

POST-CONSTRUCTION FLOW-TOTAL ONSITE FLOW LEAVING BOUNDARY

AREA = 0.159 AC BUILDING/ROOF/CONCRETE(C=0.95)
0.841 AC. REMEDIATED BASE AREAS & UNCHANGED OR BETTER CONDITION(C=0.4)

WEIGHTED C = 0.487

TIME OF CONCENTRATION -- UNDER 10 MINUTES
USE T_C = 10 MINUTES

I_2 = 7.99 IN/HR

Q_2 = CIA = (0.487)*(4.96)*(1.0) = **2.4 CFS PEAK FLOW – NET DECREASE /LITTLE CHANGE IN PEAK FLOW**

CHARACTER OF STORM FLOW IS SHEET FLOW FROM SOUTH TO NORTH ENTERING THE HIGHWAY RIGHT OF WAY OF ST. HWY 46. FLOW WILL SLIGHTLY CHANGE IN POST DEVELOPMENT WITH SOME FLOW BEING MORE CONCENTRATED DUE TO BUILDING LOCATION BUT WILL BE DISSIPATED BY WASHED ROCK PARKING AREA.

ATTACHMENT – C –

Greg W. Johnson, P.E.

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

November 23, 2013

Casey James Woods
27845 Countryside Drive
New Braunfels, TX 78132

RE: Soil survey & OSSF compatibility
A.M. Holbrook Survey No. 423, A-271, being 2.005 acres
4715 Hwy 46 West
Comal County, Texas

Robert,

The property is being modified to include a dog kennel and office. An onsite sewage facility has been design to accommodate the waste flow from this business. Aerobic treatment with spray irrigation was determined to be the most suitable septic system for this property.

TYPE SOILS AND DRAINAGE

Tested soils have a moderate to high clay content and are a part of the Rumple Comfort association, undulating (RUD), moderately well drained. The soil profile consists of a stoney, dark brown to brown to 18" over massive limestone. This property is located in the Edwards Aquifer Recharge Zone and not in Flood Zone A.

Respectfully yours,

Greg W. Johnson, P.E., F#2585
11/23/2013

STATE OF TEXAS
GREG W. JOHNSON
67587
REGISTERED
PROFESSIONAL ENGINEER

ON-SITE SEWERAGE FACILITY
SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed: **November 07, 2013**

Site Location: **2.005 ACRES OUT OF THE A.M. HOLBROOK SURVEY No. 423, A-271**

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 **SURFACE EVALUATION**

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0 1 **18"** 2 3 4 5	**IV**	**CLAY**	**N/A**	**NONE OBSERVED**	**LIMESTONE @ 18"**	**BROWN**

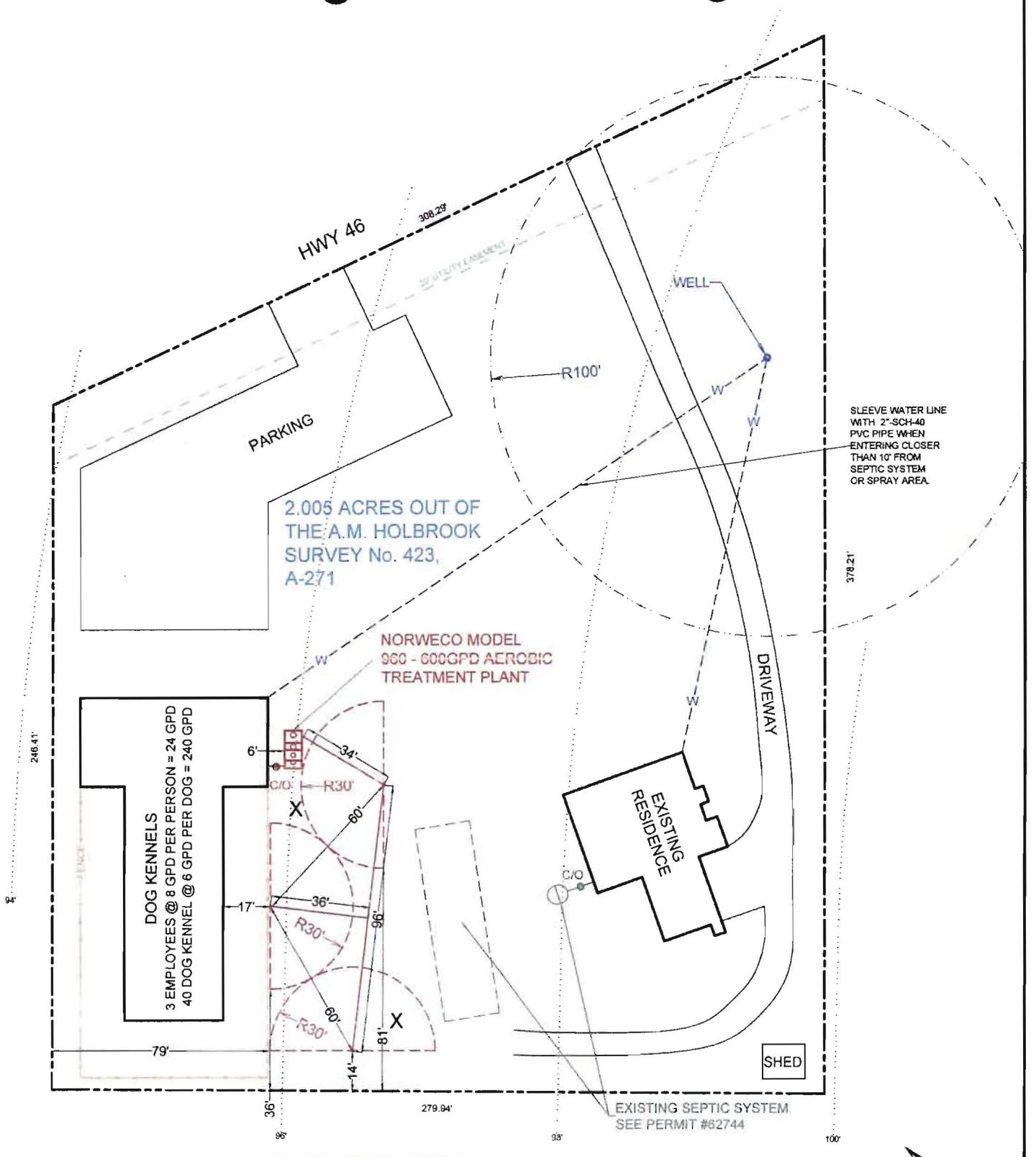
SOIL BORING NUMBER **SURFACE EVALUATION**

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0 1 2 3 4 5	**SAME**		**AS**		**ABOVE**	

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-F2585, S.E. 11561

Date 11/07/2013



SPRAY AREA = 4241sf

X= TEST HOLES

STATE OF TEXAS
GREG W. JOHNSON
67587
REGISTERED
PROFESSIONAL ENGINEER

OWNER: CASEY JAMES WOODS				DRAWN BY:
STREET ADDRESS: 4715 W. HWY 46				
LEGAL DESC: A.M. HOLBROOK SURVEY No. 423, A-271				ACREAGE: 2.005
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=50'	DATE: 11/7/2013		REVISED:

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: Jin's Bed & Biscuits Pet Resort, LLC

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: Dry Comal Creek

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

7. _X_ **ATTACHMENT D - Temporary Best Management Practices and Measures.** A description of the TBMPs and measures that will be used during and after construction are provided at the end of this form. For each activity listed in the sequence of construction, include appropriate control measures and the general timing (or sequence) during the construction process that the measures will be implemented.

_X_ TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information has been provided in the attachment at the end of this form

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

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

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

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

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

__ **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. _X_ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.

16. _X_ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

SOIL STABILIZATION PRACTICES

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

17. _X_ **ATTACHMENT J - Schedule of Interim and Permanent Soil Stabilization Practices.** A schedule of the interim and permanent soil stabilization practices for the site is attached at the end of this form.

18. _X_ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

19. _X_ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

ADMINISTRATIVE INFORMATION

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

21. _X_ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

22. _X_ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

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

DAVID C. VOLLBRECHT
Print Name of Customer/Agent

David C. Vollbrecht
Signature of Customer/Agent

12-10-13
Date

ATTACHMENT – A –

SPILL REPONSE ACTIONS

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

In addition to the good housekeeping and material management practices , the following practices will be followed for spill prevention and cleanup:

- Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash container specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept isolated by perimeter berm, contained by absorbent material applied, and well ventilated. Personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Contaminated soil will be removed and properly disposed of at a designated hazardous materials receiver.
- Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.
- The spill prevention will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
- _Mr. Woods_____ the owner, will be the spill prevention and cleanup coordinator. He will designate other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup.

ATTACHMENT – B –

POTENTIAL SOURCES OF CONTAMINATION

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

The proposed project will have some activities and construction-generated pollution that might be a source of contamination. Soil disturbing activities will include clearing and grubbing; installing a stabilized construction exit, installation of silt fence, grading of site for pavement & slab, and preparation for final re-vegetation. The Materials, substances, & activities that are expected to be present onsite are listed as follows:

- Concrete/Concrete wash water
- Detergents
- Paints
- Tar
- Petroleum Based products
- Cleaning Solvents
- Wood
- Fueling of Equipment
- Movement of equipment on & off site
- Soil Disturbance

ATTACHMENT – C –

SEQUENCE OF MAJOR ACTIVITIES

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

The proposed project will consist of construction of a 5200 sf building for use as office space & kennel, laying washed rock for parking use, installing OSSF for new building, implementing handicap improvements, and constructing concrete pavement parking lot.

The sequence of construction activities should be as follows:

- INSTALLATION OF TEMPORARY BMPs-SILT FENCE.----39,600 SF POTENTIAL DISTURBED
- REMOVAL /PROTECTION OF TARGETED TREES.----
- STRIPPING & STOCKPILING/REMOVAL OF EXISTING TURF & DEBRIS.—
- BUILDING PAD, EARTHWORK FOR PARKING PAVEMENT AND GRADING SITE.
- BUILDING CONSTRUCTION, CONCRETE FLATWORK
- FINAL FINISHING, STABILIZING SITE.----------PART OF ABOVE
- INSTALLATION OF PERMANENT BMPs(if applicable)-LANDSCAPE AND REVEGETATE

ATTACHMENT – D –

TEMPORARY BEST MANAGEMENT PRACTICES & MEASURES

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

The proposed site consist of 1 acre and will have most of the sitedisturbed area base the proposed improvements. The time line for construction activities for this project is very short and should result in minimal time disturbed soil will be exposed before final stabilization with sod/reseeding will occur.

The site is at the upper limit of the surrounding drainage area and fence rows and perimeter roads that limit offsite flow from entering site. Some flow from the residential area would show to enter the proposed Parcel A area but will be redirected & limited along the boundary of the 2 parcels. The main Erosion & Sediment Control Practices should be as follows:

- Installation of silt fence as shown on plan will be implemented prior to any construction. The perimeter silt fence will trap sediment and retain it onsite and allow the water to continue down gradient with less suspended soil.
- Installation of interceptor swale as shown on plan will be implemented prior to any construction. The property line swale will redirect flow around the proposed area of disturbance and allow the water to continue down gradient with less suspended soil.
- Installation of tree protection fencing to protect targeted tree close to excavation. Protection of tree roots is critical to the longevity of the tree and the retainage of the surrounding soil.
- Limiting disturbed soil and protecting perimeter ground cover along excavation lines will limit erosion & sediment.
- Stockpiled strippings and excavated material from excavation phase not immediately hauled offsite will have a perimeter sediment fence installed to trap sediment during rain events.

The installation of the silt fence will be sufficient to treat the 0.9 acre of potential disturbed soil and prevent pollutants from entering any down gradient sensitive feature or the aquifer. The silt fence will remain until the site has been permanently stabilized.

ATTACHMENT – F –

TEMPORARY STRUCTURAL PRACTICES

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

At the beginning of construction a 4" to 8" open graded aggregate construction exit will be constructed at a point suitable for access to the site and at the general contractors' direction. The construction exit will limit tracking of sediment onto roadway and reduce movement of sediment within the right of way. A 470' long perimeter silt fence will be installed at the north, west, & south end of the property(downstream side). Silt fence will be installed in areas where excavation has ceased and are in the stabilization phase.

ATTACHMENT-G-

DRAINAGE MAP

SCALE:1"=100'

ATTACHMENT – I –

INSPECTION & MAINTENANCE FOR BMPs

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls.

- All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.
- The construction exit should be maintained in a condition which will prevent tracking/flowing of sediment onto public rights of way. Additional stone may be required to keep exit functioning properly.
- Built up sediment will be removed from the sediment fence when it has reached one-third the height of the fence.
- Sediment fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
- A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

INSPECTION AND MAINTENANCE REPORT FORM

TO BE COMPLETED EVERY 7 DAYS AND WITHIN 24 HOURS OF
A RAINFALL EVENT OF 0.5 INCHES OR MORE

INSPECTOR:_____ DATE:_____

INSPECTOR'S QUALIFICATIONS:

_____
_____
_____
_____

DAYS SINCE LAST RAINFALL_____ AMOUNT OF LAST RAINFALL _____INCHES

STABILIZATION MEASURES FOR CONSTRUCTION AREAS

AREA	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED? (YES/NO)	STABILIZED WITH	CONDITION

STABILIZATION REQUIRED:

_____
_____
_____
_____

TO BE PERFORMED BY:_____ON OR BEFORE:_____

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.
.

WATER POLLUTION ABATEMENT PLAN

INSPECTION AND MAINTENANCE REPORT FORM

SEDIMENT FENCE-ROCK BERM:

LOCATION	DEPTH OF SEDIMENT	CONDITION OF FENCE POST & FABRIC-EMBEDMENT	ANY EVIDENCE OF OVERTOPPING	CONDITION OF OUTFALL FROM SEDIMENT FENCE
SED. FENCE AREA-1-				
SED. FENCE AREA-2-				
SED. FENCE AREA-3-				
SED. FENCE STOCK PILE				
ROCK FILTER DAM				

MAINTENANCE REQUIRED FOR SEDIMENT CONTROL FENCES:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

TO BE PERFORMED BY:_____ON OR BEFORE:_____

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

WATER POLLUTION ABATEMENT PLAN

INSPECTION AND MAINTENANCE REPORT FROM

STABILIZED CONSTRUCTION EXIT

DOES MUCH SEDIMENT GET TRACKED ON TO ROAD?	IS THE GRAVEL CLEAN OR IS IT FILLED WITH SEDIMENT?	DOES ALL TRAFFIC USE THE STABILIZED ENTRANCE TO LEAVE THE SITE?	IS CONSTRUCTION EXIT DRAINING PROPERLY?

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION EXIT:

_____

_____

_____

_____

TO BE PERFORMED BY:_____ON OR BEFORE:_____

ENTITY/OWNER: -JIN'S [redacted] & BISCUITS PET RESORT, LLC/ C[redacted]EY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

INSPECTION AND MAINTENANCE REPORT FORM

TO BE COMPLETED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.5 INCHES OR MORE

INSPECTOR:_____ DATE:_____

INSPECTOR'S QUALIFICATIONS:

_____
_____
_____
_____
_____

DAYS SINCE LAST RAINFALL_____ AMOUNT OF LAST RAINFALL _____INCHES

STABILIZATION MEASURES FOR CONSTRUCTION AREAS

AREA	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED? (YES/NO)	STABILIZED WITH	CONDITION

STABILIZATION REQUIRED:

_____
_____
_____
_____
_____

TO BE PERFORMED BY:_____ON OR BEFORE:_____

ENTITY/OWNER: -JIN'S [redacted]D & BISCUITS PET RESORT, LLC/ C[redacted]EY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
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WATER POLLUTION ABATEMENT PLAN

INSPECTION AND MAINTENANCE REPORT FORM

SEDIMENT FENCE:

LOCATION	DEPTH OF SEDIMENT	CONDITION OF FENCE POST & FABRIC-EMBEDMENT	ANY EVIDENCE OF OVERTOPPING	CONDITION OF OUTFALL FROM SEDIMENT FENCE
SED. FENCE AREA-1-				
SED. FENCE AREA-2-				
SED. FENCE AREA-3-				
SED. FENCE STOCK PILE				
ROCK FILTER DAM				

MAINTENANCE REQUIRED FOR SEDIMENT CONTROL FENCES:

TO BE PERFORMED BY:_____ON OR BEFORE:_____

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
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WATER POLLUTION ABATEMENT PLAN

INSPECTION AND MAINTENANCE REPORT FROM

STABILIZED CONSTRUCTION EXIT

DOES MUCH SEDIMENT GET TRACKED ON TO ROAD?	IS THE GRAVEL CLEAN OR IS IT FILLED WITH SEDIMENT?	DOES ALL TRAFFIC USE THE STABILIZED ENTRANCE TO LEAVE THE SITE?	IS CONSTRUCTION EXIT DRAINING PROPERLY?

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION EXIT:

_____
_____
_____
_____
_____

TO BE PERFORMED BY:_____ON OR BEFORE:_____
_____

ATTACHMENT – J –

SCHEDULE OF SOIL STABILIZATION PRACTICES

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
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- Sustain a manageable area of construction activities by limiting the area of erodible soil exposed during the excavation for parking area.
- Stabilize area where grading is complete or work has ceased (or expected to cease) for 21 days within 14 days after the stoppage.
- Maintain the maximum amount of existing vegetation as practical to assist in the control and minimized the exposed erodible area.
- After major construction portions are complete and concrete & parking rock pavement is in place, the perimeter of the parking area will be re-established with ground cover and or sodded.
- Areas disturbed by equipment for the construction of the project area will be seeding or sodded.
- Areas designated for landscaping will be landscaped and areas of right of way disturbed by construction will be reestablished with grass by seeding and/or sodding.
- After all areas of disturbed soil have been stabilized, the temporary BMPs will be removed and those areas be stabilized with sod and/or mulching/seeding combination.

COORDINATE FILE: 25237.CRD
DRAWING FILE: 25237 JINS B&B.DWG
NOTES: 833-83
CH/DATE: DCV 12-03-2013
TAX ID#

LEGEND

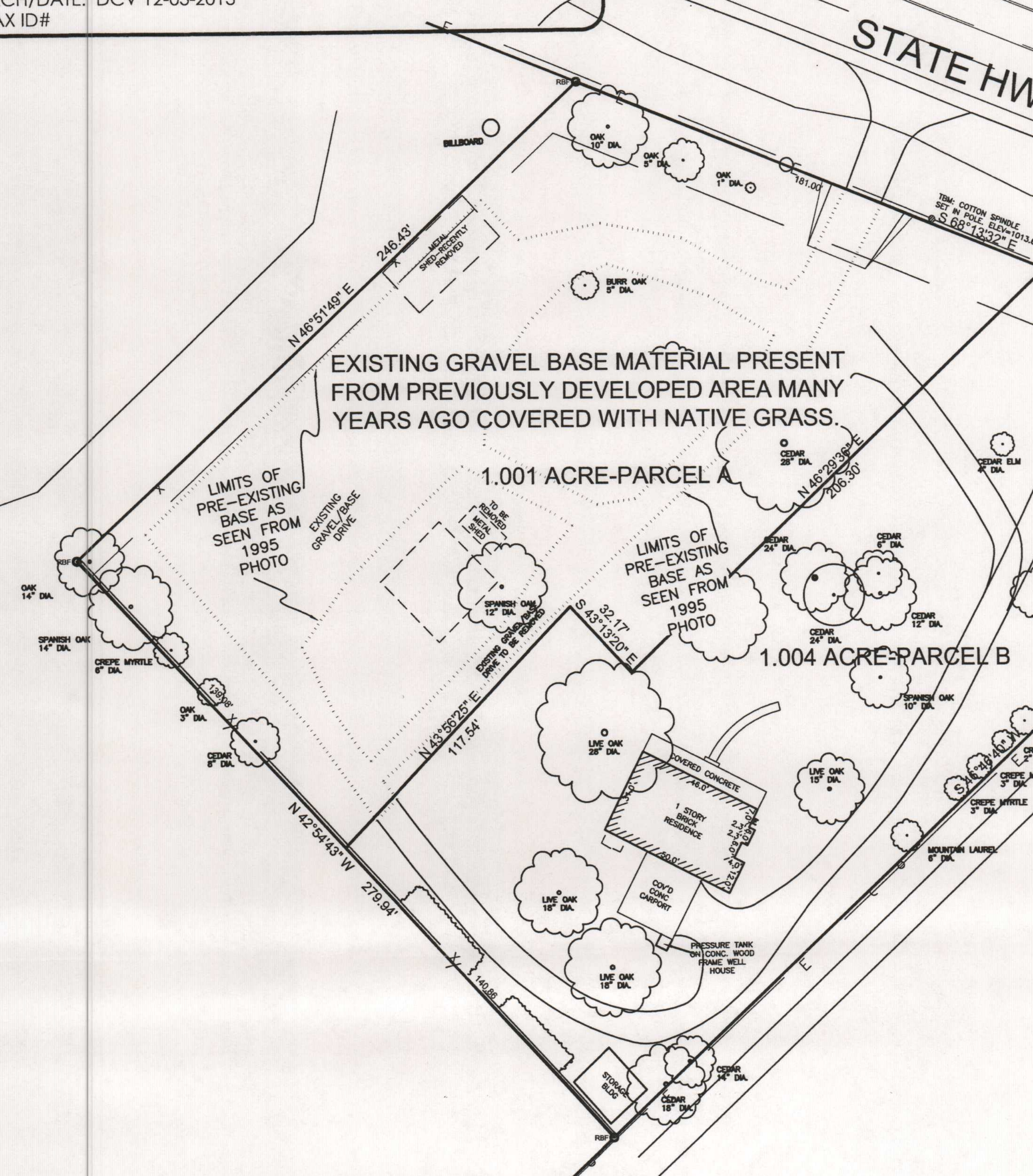
FL	Flow line
TC	Top of Concrete
SDF	Sediment Control Fencel
FF	Finsihed Floor
TBM	Bench Mark
RBF	Rebar Found
— — —	Existing Contours
—E—	Overhead Electric

NOTE: THE TRACT SHOWN HERE ON IS NOT LOCATED WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON MAP NUMBER *48091C0430F*--SEPTEMBER 2,2009.

NO FINAL CONTOURS PROVIDED DUE TO NO MAJOR REGRADING OF THE SITE.

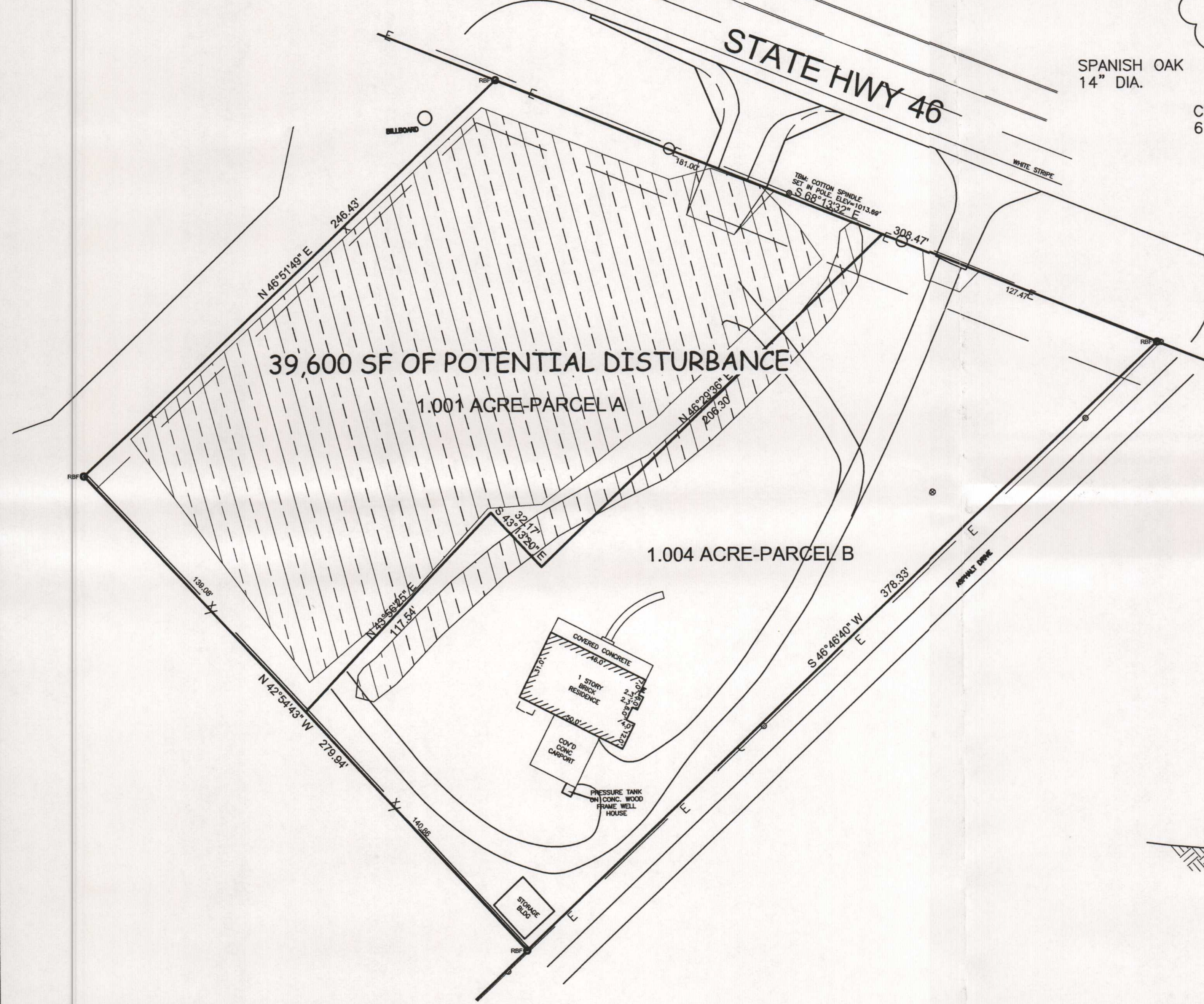
Safety Provision: Barricades and warning signs as necessary to protect the public from all hazardous conditions at all times shall be provided. The contractor shall furnish flaggers, etc. for the purpose of expediting the safe and efficient passage of traffic through the work zone. St. Hwy 46 shall remain open to traffic at all times and mustpass traffic through the work zone under Two-lane controls.
All Barricades and warning signs shall be well lighted during the hours between sunset and sunrise.

BASIS OF BEARINGS:
GEODETIC NORTH
GPS OBSERVATION 10.16.13



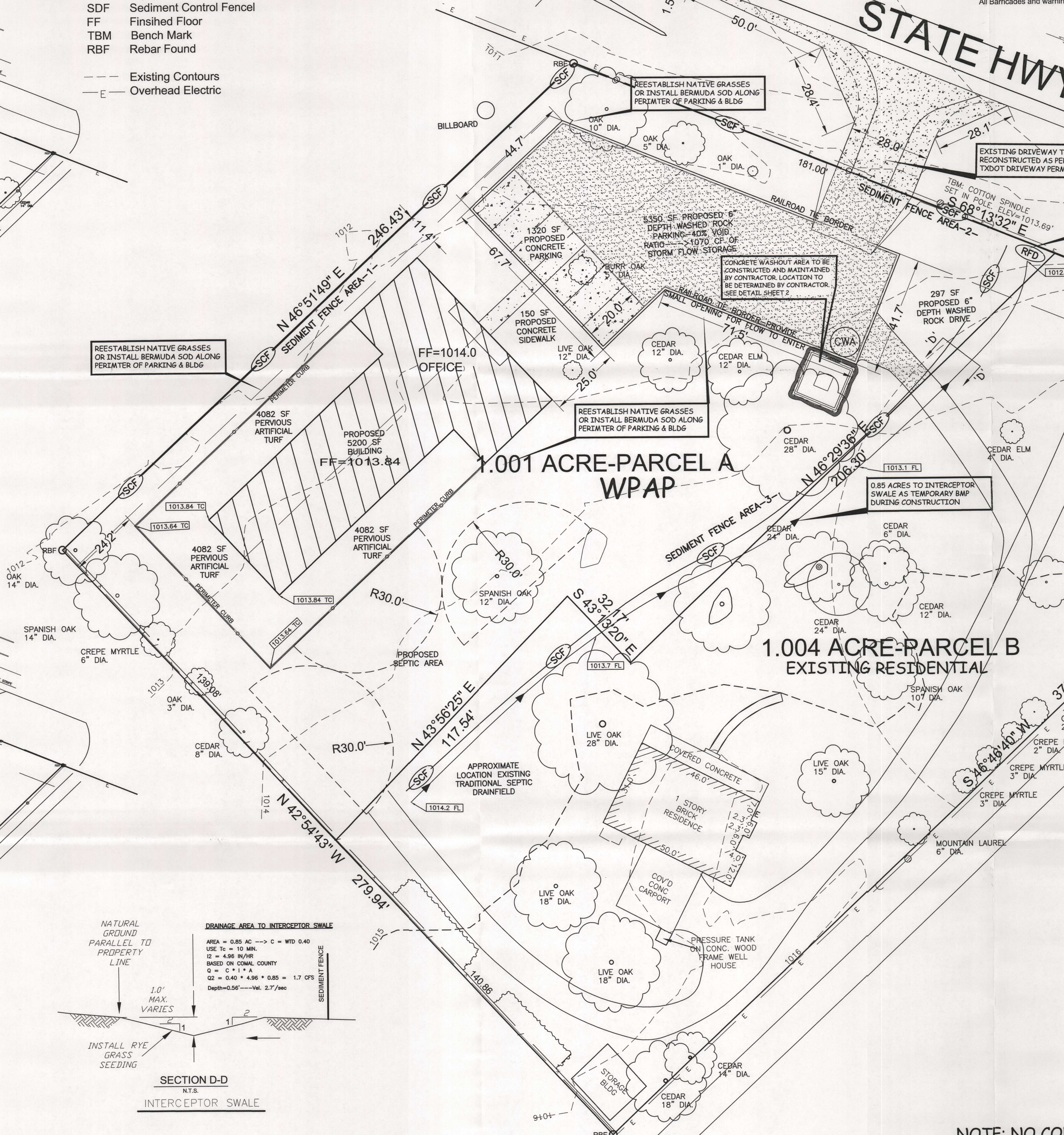
EXISTING CONDITION

SCALE: 1"=50'



POTENTIAL DISTURBED AREA

SCALE: 1"=50'



SECTION D-D

N.T.S.

INTERCEPTOR SWALE

TCEQ-0592 (Rev. 3/15/07)

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

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

NOTE: NO CONSTRUCTION PRIOR TO TCEQ APPROVAL OF PLAN

TCEQ-R13 DEC 16 2013 SAN ANTONIO

ATTACHMENT - F -

NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL EXISTING UTILITIES. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE THE APPROXIMATE LOCATION AND THESE PLANS MAY NOT SHOW ALL UTILITIES. THE CONTRACTOR SHALL UNCOVER AND VERIFY THE VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING WATER AND SEWER MAINS TO BE EXTENDED OR TIED TO PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS INCLUDING BUT NOT LIMITED TO OSHA SAFETY REQUIREMENTS.

REVISIONS	DATE
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7	

IF THIS BAR DOES NOT MEASURE 1 INCH, THEN THE DRAWING IS NOT TO SCALE — 1 INCH —

VERTICAL SCALE:	1"=NONE
HORIZONTAL SCALE:	1"=20'
DRAWING DATE:	10/30/2013
DRAWING STATUS:	FINAL
DRAWN BY:	DCV
ISSUE DATE:	12/03/13

12-03-13
STATE OF TEXAS
DAVID C. VOLLBRECHT
95941
LICENSED PROFESSIONAL ENGINEER
David C. Vollbrecht

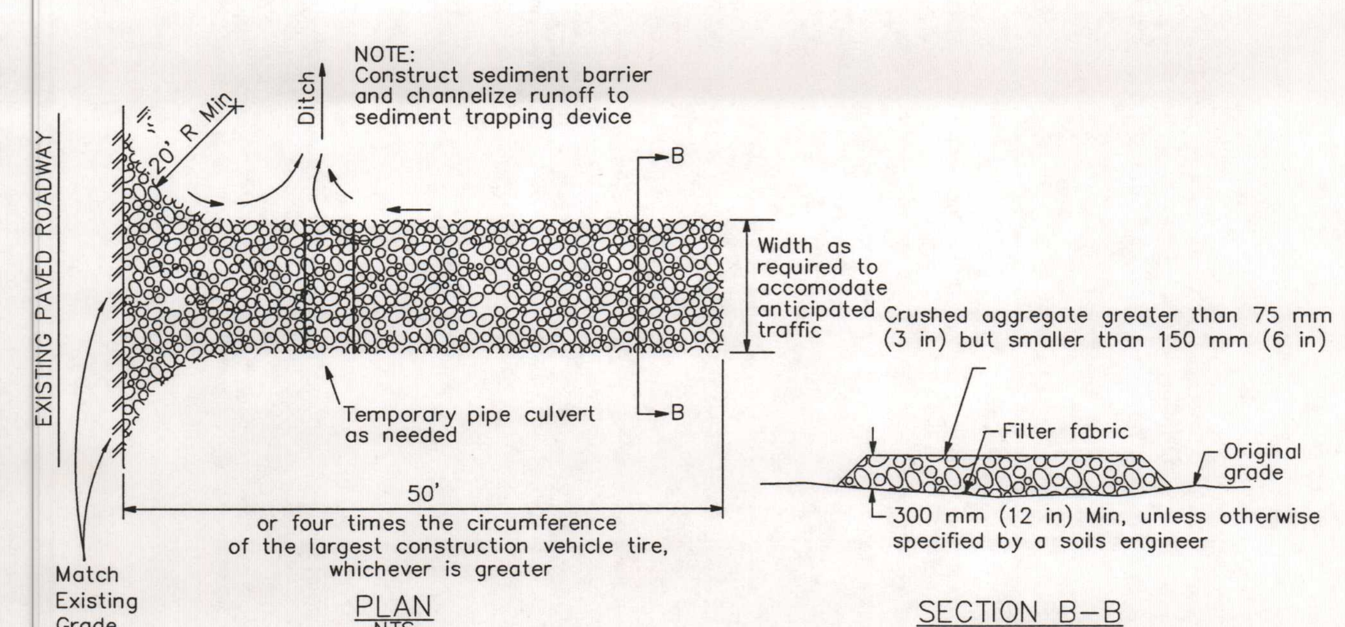
BETTERSWORTH & ASSOCIATES, INC.
111 EAST MOUNTAIN STREET, SEGUIN, TEXAS 78155
PH: 830.379.5552 FX: 830.379.5553 E-MAIL:bttrswrt@flash.net
Texas Registration No. F-11731

WATER POLLUTION ABATEMENT PLAN
JIN'S BED & BISCUITS PET RESORT, LLC
DRAINAGE & BUILDING IMPROVEMENTS
COMAL COUNTY, TEXAS

PROJECT #: 25237
DRAWING: WPAP
SHEET: 1 OF 2

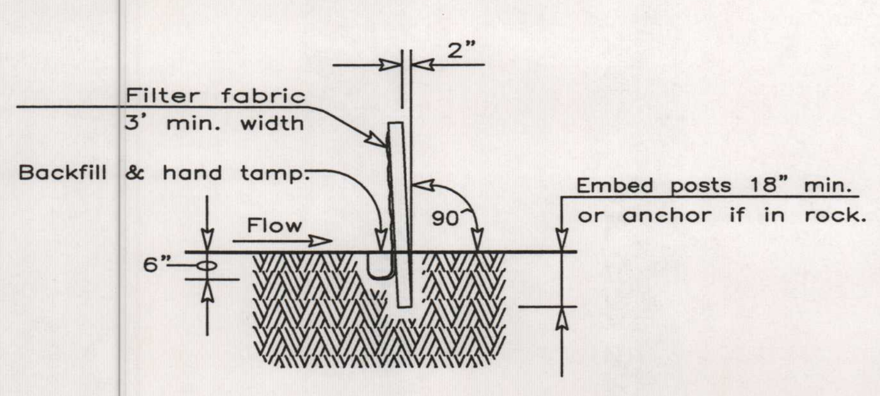
ATTACHMENT - F -

25237 - D - M



CONSTRUCTION ENTRANCE/EXIT (C.E.)

CONTRACTOR TO INSTALL @ APPROPRIATE LOCATION



SECTION A-A

SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

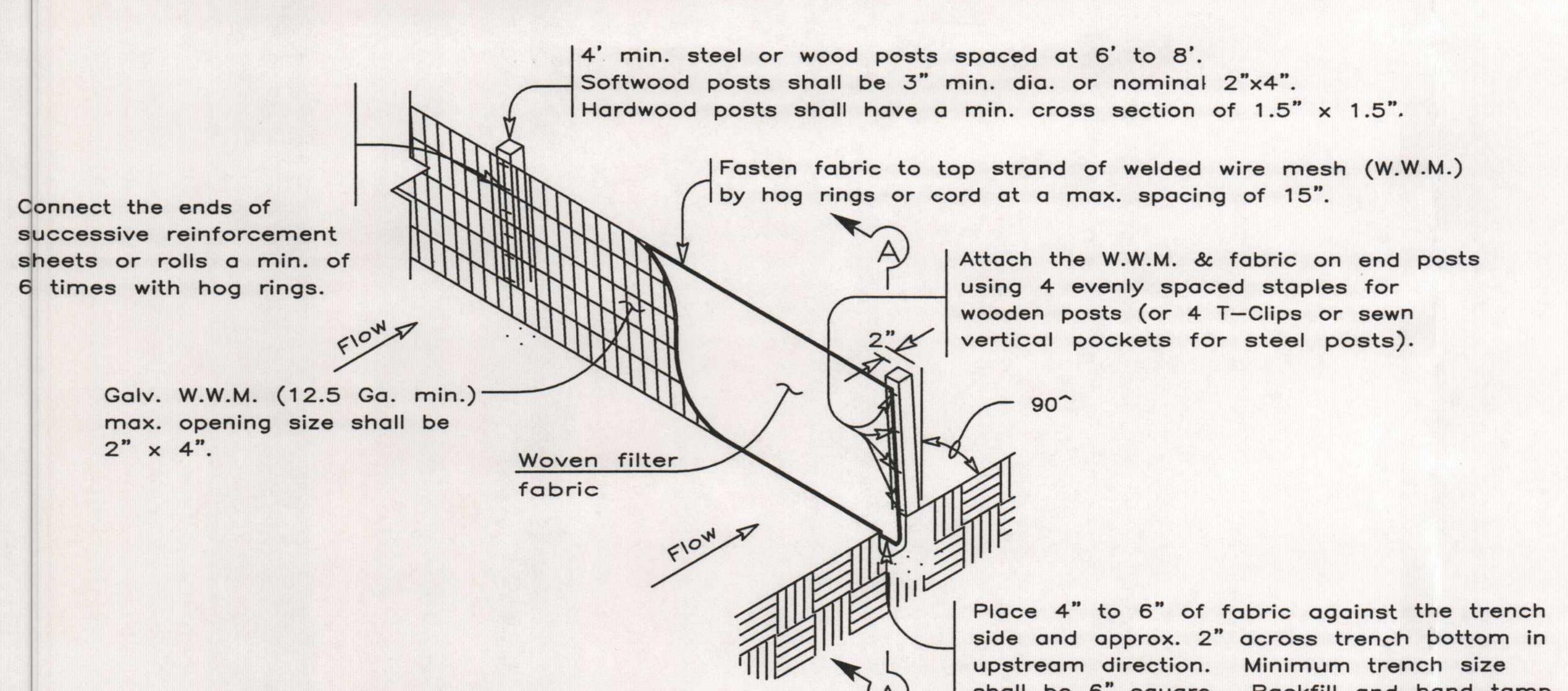
Sediment control fence should be sized to filter a max. flow through rate of 40 GPM/FT ^{2}. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

PLAN SHEET LEGEND

Sediment Control Fence (SCF)

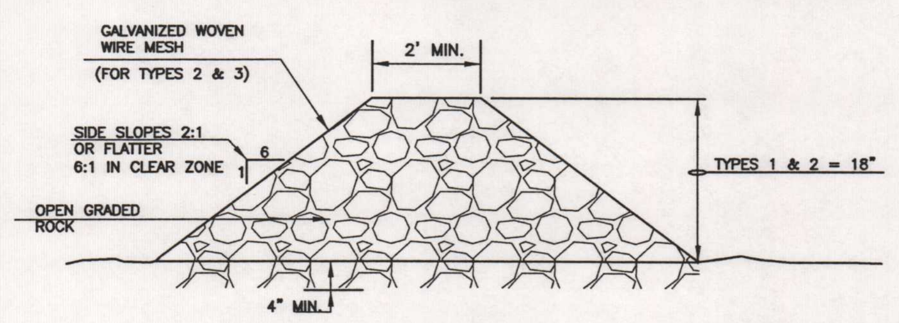
GENERAL NOTES

1. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

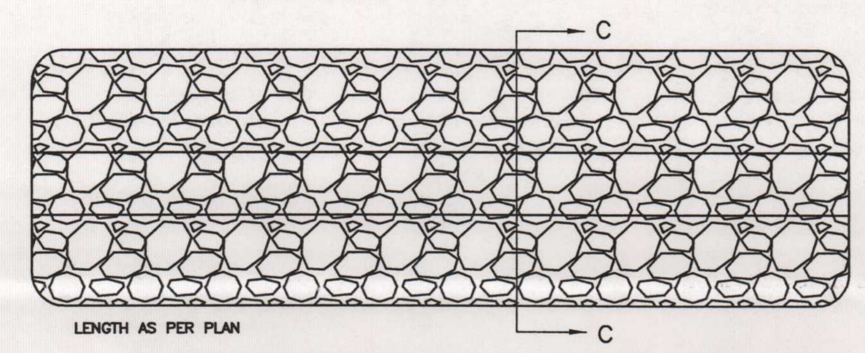


TEMPORARY SEDIMENT CONTROL FENCE

(SCF)

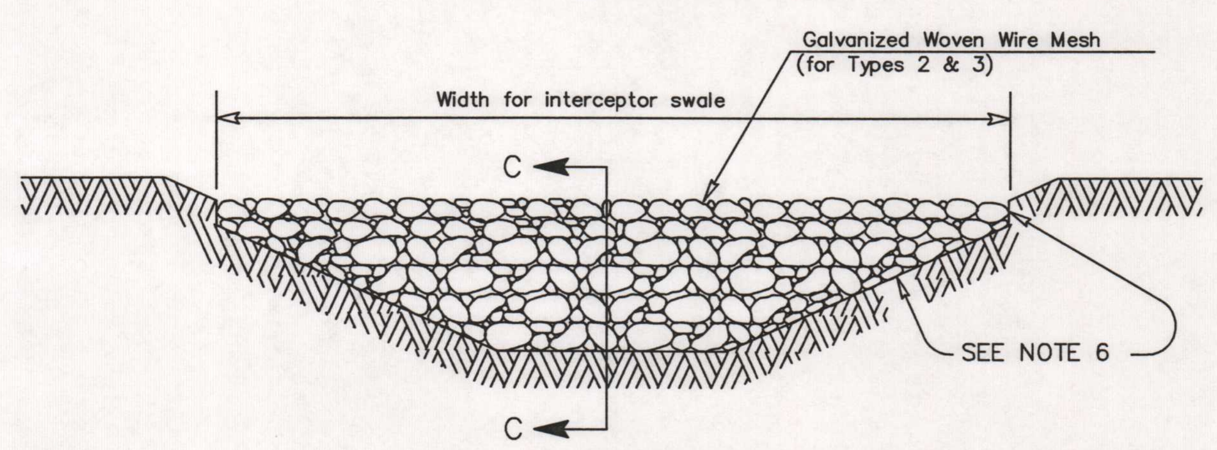


SECTION C – C



TYPE I-ROCK FILTER DAM

INSTALLATION WITHIN INTERCEPTOR SWALE



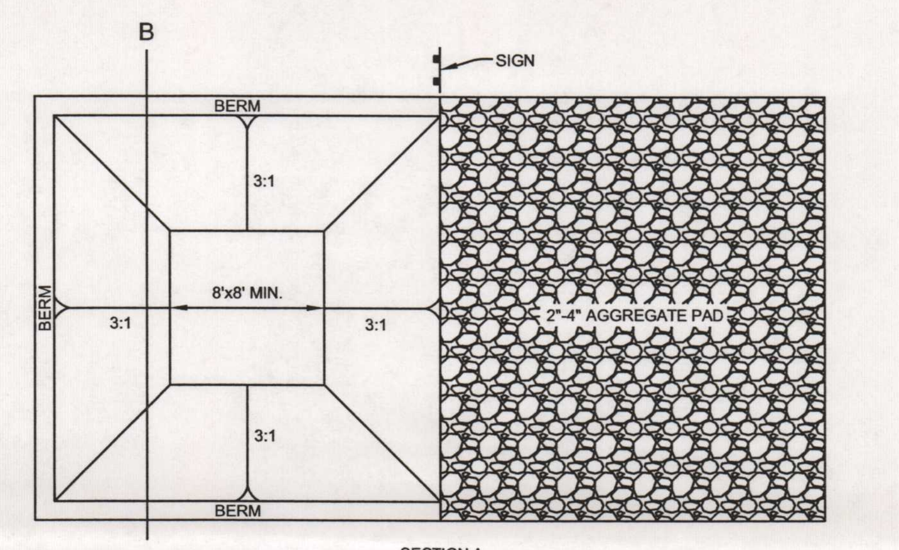
FILTER DAM AT CHANNEL SECTIONS

RFD1 OR RFD2 OR RFD3

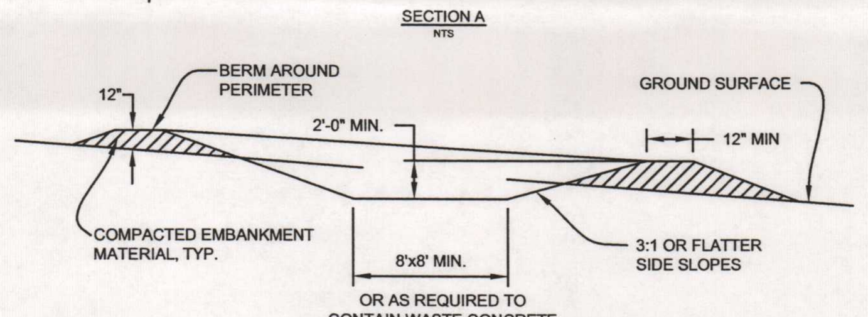
TYPE 1 OR TYPE 2

GENERAL NOTES–RFB

1. If shown on the plans or directed by the Engineer, filter dams should be placed near the toe of slopes where erosion is anticipated, upstream and/or downstream at drainage structures, and in roadway ditches and channels to collect sediment.
2. Materials (aggregate, wire mesh, sandbags, etc.) shall be as indicated by the specification for "Rock Filter Dams for Erosion and Sedimentation Control".
3. The rock filter dam dimensions shall be as indicated on the SW3P plans.
4. Side slopes should be 2:1 or flatter. Dams within the safety zone shall have sideslopes of 6:1 or flatter.
5. Maintain a minimum of 1' between top of rock filter dam weir and top of embankment for filter dams at sediment traps.
6. Filter dams should be embedded a minimum of 4" into existing ground.
7. The sediment trap for ponding of sediment laden runoff shall be of the dimensions shown on the plans.
8. Rock filter dam types 2 & 3 shall be secured with 20 gauge galvanized woven wire mesh with 1" diameter hexagonal openings. The aggregate shall be placed on the mesh to the height & slopes specified. The mesh shall be folded at the upstream side over the aggregate and tightly secured to itself on the downstream side using wire ties or hog rings. In stream use the mesh should be secured or staked to the stream bed prior to aggregate placement.
9. Sack Gabions should be staked down with 3/4" dia. rebar stakes.
10. Flow outlet should be onto a stabilized area (vegetation, rock, etc.).
11. The guidelines shown hereon are suggestions only and may be modified by the Engineer.



SECTION A



OR AS REQUIRED TO CONTAIN WASTE CONCRETE

SECTION B

NTS

CONCRETE WASHOUT AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR: LOCATIONS OF CONCRETE WASHOUT AREA. (TO BE PLACED A MINIMUM OF 100' FROM DRINAGEWAYS, BODIES OF WATER, AND INLETS.)
2. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
3. VEHICLE TRACKING CONTROL IS REQUIRED AT THE ACCESS POINT.
4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.

CONCRETE WASHOUT AREA MAINTENANCE NOTES

1. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
2. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
3. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.
4. INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

(CWA) CONCRETE WASHOUT AREA

OR OTHER MEANS OF CONTAINING TRUCK WASH OUT

TCEQ-0592 (Rev. 3/15/07)

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

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    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.

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Fax (210) 545-4329

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

ATTACHMENT - F -

TCEQ-R13 DEC 16 2013 SAN ANTONIO

NOTE: NO CONSTRUCTION PRIOR TO TCEQ APPROVAL OF PLAN

NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL EXISTING UTILITIES. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE THE APPROXIMATE LOCATION AND THESE PLANS MAY NOT SHOW ALL UTILITIES. THE CONTRACTOR SHALL UNCOVER AND VERIFY THE VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING WATER AND SEWER MAINS TO BE EXTENDED OR TIED TO PRIOR TO CONSTRUCTION.

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REVISIONS	DATE
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IF THIS BAR DOES NOT MEASURE 1 INCH, THEN THE DRAWING IS NOT TO SCALE — 1 INCH

VERTICAL SCALE:	NONE
HORIZONTAL SCALE:	NONE
DRAWING DATE:	10/30/2013
DRAWING STATUS:	FINAL
DRAWN BY:	DCV
ISSUE DATE:	12/03/13

12-03-13

STATE OF TEXAS
DAVID C. VOLLBRECHT
95941
LICENSED
PROFESSIONAL ENGINEER

David C. Vollbrecht

BETTERSWORTH & ASSOCIATES, INC.
111 EAST MOUNTAIN STREET, SEGUIN, TEXAS 78155
PH: 830.379.5552 FX: 830.379.5553 E-MAIL:bttrswrt@flash.net
Texas Registration No. F-11731

WATER POLLUTION ABATEMENT PLAN
JIN'S BED & BISCUITS PET RESORT,LLC
DRAINAGE & BUILDING IMPROVEMENTS
COMAL COUNTY, TEXAS

PROJECT #: 25237

DRAWING: WPAP

SHEET: 2 OF 2

ATTACHMENT - F -

25237 – D – M

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

REGULATED ENTITY NAME: Jin's Bed & Biscuits Pet Resort, LLC

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

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

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

   _X_ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

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

   _____

   _____

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

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

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

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

   __ This site will not be used for low density single-family residential development.

5. _X_ The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

   _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. _N/A_ **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.

__ **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. _X_ **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. _N/A_ **ATTACHMENT I -Measures for Minimizing Surface Stream Contamination.** A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is provided at the end of this form. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity which increase erosion that results in water quality degradation.

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

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

15. _X_ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

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

DAVID C. VOLLBRECHT
Print Name of Customer/Agent

David C. Vollbrecht 12-10-13
Signature of Customer/Agent Date

ATTACHMENT – A –

20% or LESS IMPERVIOUS COVER WAIVER

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

The request to waive the requirements for other permanent BMPs and measures is based on the following:

- The site has been previously developed and the impervious cover at the time of completion of the project will show net reduction from the previously developed site in a comparable preexisting condition. Portions of the site have base material with native grass covering most of the base. The proposed building will be built on a large portion of the existing base which will balance the impervious cover and show no increase in storm flow. The proposed final impervious cover percentage is about 16%.
- The storm flow leaving the site in the post development condition showed a small net decrease in the amount of flow as shown in the flow calculation.
- Other portions of the existing base material will be removed due to the construction of the septic irrigation area and installation of the pervious artificial grass area.
- The proposed development of the washed rock parking will provide 1070 CF of storm flow storage due to the 40% void ratio of the rock and act as a stilling basin for some of the storm flow and encourage infiltration for that amount of flow.

ATTACHMENT – B –

BMPs FOR UPGRADIENT STORMWATER

ENTITY/OWNER: -JIN'S BED & BISCUITS PET RESORT, LLC/ CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL 'A' OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

- The site is at the upper limit of the drainage area and has fence row build up on the south and east property line intercepting and blocking any up-gradient flow. There should be no offsite flow through the areas to be disturbed. A siltfence and property line swale within the owners property will also divert the residential portion of the owners property to the highway right of way. No upgradient BMPs other than silt fencing & property line swale required.

ATTACHMENT – C –

BMPs FOR ON-SITE STORMWATER

OWNER: CASEY & ELISE WOODS
PROPERTY: 1.0 ACRE PARCEL OUT OF THE A.M. HOLBROOK SURVEY NO. 232, ABSTRACT 271, COMAL COUNTY, TEXAS.
LOCATION: 4715 STATE HIGHWAY 46.
PREPARED BY: BETTERSWORTH & ASSOCIATES, INC., SEGUIN, TEXAS.

- The site will have an impervious cover percentage less than 20% and final proposed site will have less impervious cover than in the existing condition. The site will show a net reduction in flow leaving the site.
- Permanent sodding or reestablishment of native grasses of disturbed areas around the perimeter of the parking area and building will be installed to prevent pollution of groundwater that originates on-site.
- A waiver for permanent BMPs has been requested

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

I Elise Woods,
Print Name

Owner,
Title - Owner/President/Other

of Jin's Bed & Biscuits Pet Resort, LLC,
Corporation/Partnership/Entity Name

have authorized David C. Vollbrecht
Print Name of Agent/Engineer

of Bettersworth & Associates Inc.
Print Name of Firm

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

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to $10,000 per day per violation.

2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.

4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.

5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Elise Woods
Applicant's Signature

11/22/13
Date

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Elise Woods 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 22nd day of November, 2013.

CLARISA SOTO
Notary Public
State of Texas
My Comm. Exp. 09-03-2017

Clarisa Soto
NOTARY PUBLIC

Clarisa Soto
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 9.3.17

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

NAME OF PROPOSED REGULATED ENTITY: JIN'S BED & BISCUITS PET RESORT,LLC
REGULATED ENTITY LOCATION: 4715 STATE HIGHWAY 46 W.
NAME OF CUSTOMER: ELISE & CASEY WOODS
CONTACT PERSON: ELISE WOODS PHONE: 830-660-1138
(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	1 Acres	$ 4000
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	$

David C. Villarreal
Signature

12-10-13
Date

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

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

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

Water Pollution Abatement Plans and Modifications
Contributing Zone Plans and Modifications

PROJECT	PROJECT AREA IN ACRES	FEE
One Single Family Residential Dwelling	< 5	$650
Multiple Single Family Residential and Parks	< 5 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 Core Data Form

TCEQ Use Only

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

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:*

Woods, Elise & Casey

10. Mailing Address: 4715 State Highway 46 W.

City	State	ZIP	ZIP + 4
New Braunfels	TX	78132	3756

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

12. E-Mail Address *(if applicable)*: jinsbedandbiscuits@gmail.com

13. Telephone Number: (830) 660-1138 **14. Extension or Code** **15. Fax Number** *(if applicable)*: ( ) -

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)*
900938745			

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)*

Jin's Bed & Biscuits Pet Resort, LLC

24. Street Address of the Regulated Entity: *(No P.O. Boxes)*	4715 State Hwy 46 W.							
	City	New Braunfels	**State**	TX	**ZIP**	78132	**ZIP + 4**	3756
25. Mailing Address:	4715 State Hwy 46 W.							
	City	New Braunfels	**State**	TX	**ZIP**	78132	**ZIP + 4**	3756

26. E-Mail Address:	jinsbedandbiscuit@gmail.com		
27. Telephone Number	**28. Extension or Code**	**29. Fax Number** *(if applicable)*	
(830) 660-1138		( ) -	
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)
0752		812910	

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

Dog Kennel-Pet Boarding

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

35. Description to Physical Location:	Approximately 1.1 miles northwest of intersection of St. Hwy 46 & FM 2722 on St. Hwy 46. Property is on south side of Hwy.

36. Nearest City	**County**	**State**	**Nearest ZIP Code**
New Braunfels	Comal	Tx	78132-3756

37. Latitude (N) In Decimal:	29.744284		**38. Longitude (W) In Decimal:**	-98.220911	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	44	39.42	98	13	15.28

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:	David C. Vollbrecht	**41. Title:**	Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(830) 379-5552		(830) 379-5553	david@bettersworthassoc.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:	Bettersworth & Associates Inc.	**Job Title:**	Engineer
Name *(In Print)* :	David C. Vollbrecht	**Phone:**	(830) 379-5552
Signature:	David C. Vollbrecht	**Date:**	12-10-13