TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 28, 2007

Mr. Mickey McCandless
Bracken United Methodist Church
20377 Fm 2252
San Antonio, Texas 78266

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: Bracken United Methodist Church-Multi Purpose Building; Located on FM 2252 approximately 2 miles north of the intersection of FM 2252 and FM 3009.; San Antonio, Texas
TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer
Edwards Aquifer Protection Program ID No. 2715.00; Investigation No. 595947; Regulated Entity No. RN105345516

Dear Mr. McCandless:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP application for the above-referenced project submitted to the San Antonio Regional Office by Carter & Burgess, Inc. on behalf of Bracken United Methodist Church on September 21, 2007. Final review of the WPAP was completed after additional material was received on November 20, 2007 and November 26, 2007. 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.*

BACKGROUND

The Bracken United Methodist Church site has existing conditions that consist of approximately 34% impervious cover. The existing impervious cover consists of a church chapel, related buildings, parking lots, sidewalks, playground, and a single family house. There are no permanent BMP's existing on the site. All existing development pre-dates TCEQ rules and regulations (Reference Sheet E1 for approximate dates and square footages of existing development.). The existing parking lot located west of the site and off the legal site boundary is owned and operated by the adjacent property owner. It was constructed in 1985, and is approximately 14,175 square feet (0.33 acres). Storm water drains south of this parking lot, away from the church site, and into an existing bar ditch along the north side on FM 2252.

PROJECT DESCRIPTION

The proposed commercial (church) project will have an area of approximately 1.1 acres within an overall site area of 4.90 acres. It will include a multipurpose building and a parking lot. 0.12 acres of impervious cover will be removed and replaced by 0.30 acres of impervious cover, with a net increase to the impervious cover of 0.18 acres (3.7%). According to a letter dated, September 25, 2007, signed by Robert Boyd, P.E., with Comal County, the site in the development is acceptable for the use of on-site sewage facilities.

PERMANENT POLLUTION ABATEMENT MEASURES

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, engineered vegetated filter strips (as shown on the site plan) will be constructed. The approved measures meet the required 80 percent removal of the increased load in total suspended solids caused by the project.

The engineered vegetated filter strips will be constructed to treat total suspended solids (TSS) from a total treatment area of 0.22 acres. They are designed in accordance with the 2005 edition of the TCEQ's "Complying with the Edwards Rules: Technical Guidance on Best Management Practices:"

- The engineered vegetated filter strip extends along the entire length of the contributing area;
- The slope does not exceed 20%;
- The minimum dimension of the filter strips (in the direction of the flow) is 15 feet;
- The maximum width (in the direction of flow) of the contributing impervious area does not exceed 72 feet;
- The minimum vegetated cover is 80%;
- The contributing area to the filter strips is relatively flat so the runoff is distributed evenly to the vegetated area without the use of a level spreader;
- The vegetated filter strips is free of gullies or rills that can concentrate overland flow.

GEOLOGY

According to the geologic assessment included with the application, the site is located on the Person Formation of the Edwards Group. This unit is composed of crystalline limestone, mudstone, and chert. Again, according to the geologic assessment no structural features such as faults or fractures were noted in the reviewed literature sources, and no indications of such features were observed on the site. No karst type features were noted. An existing well (Feature S-1) was noted on the northwest portion of the site. The man-made feature was described as having a low infiltration rate and was assessed to be not sensitive. The San Antonio Regional Office did not conduct a site inspection.

SPECIAL CONDITIONS

I. The holder of the approved Edwards Aquifer WPAP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.

II. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.

III. Intentional discharges of sediment laden storm water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.

IV. 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.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

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

3. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.

4. 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.

5. 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.

6. 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.

7. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

8. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.

9. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.

10. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.

11. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.

12. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

13. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

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

15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

17. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.

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

If you have any questions or require additional information, please contact Javier Anguiano of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4019.

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/JA/eg

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

cc: Mr. Billy Classen, P.E., Carter & Burgess, Inc.
Mr. Scott Halty, San Antonio Water System
Mr. Tom Hornseth, Comal County
Ms. Velma Reyes Danielson, Edwards Aquifer Authority
TCEQ Central Records, MC 212

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 21, 2007

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: PROJECT NAME: Bracken United Methodist Church, located at 20377 FM 2252; San Antonio, Texas
PLAN TYPE: PLAN TYPE: Application for Approval of a Water Pollution Abatement Plan (WPAP) request, 30 Texas Administration Code (TAC) Chapter 213; Edwards Aquifer Protection Program
San Antonio Region File Number: 2715.00

Dear Mr. Hornseth:

The enclosed WPAP 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.

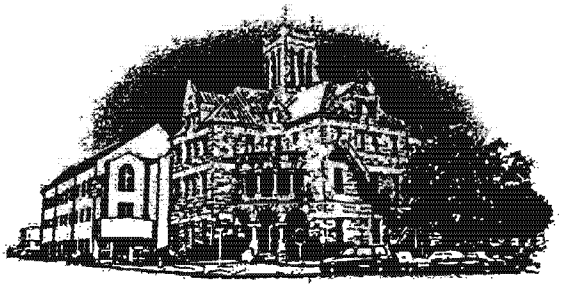
Please forward your comments to this office by October 20, 2007.

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

Sincerely,

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

LMB/eg



Comal County

OFFICE OF COMAL COUNTY ENGINEER

September 25, 2007

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

Re: Bracken United Methodist Church Water Pollution Abatement Plan (WPAP), within Comal County, Texas

Dear Ms. Bumguardner:

In response to your September 21, 2007 letter soliciting comments for the referenced plan, Comal County has the following comments:

- A suitability letter was never issued by our office for the referenced plan

However, upon reviewing the plan, we have determined that the entire referenced site (except for the areas listed below) is suitable for the use of private sewage facilities and will meet the special requirements for on-site sewage facilities located on the Edwards Aquifer Recharge Zone as specified in TAC §285.40-42 based on the following information submitted to our office as part of the WPAP on September 25, 2007:

- The Geologic Assessment, prepared by Arias & Associates
- The Water Pollution Abatement Plan, prepared by Carter & Burgess

Areas that are not Suitable

The Geologic Assessment identified a man-made feature, an existing water well, located on the property. Based on its use, the existing water well would be considered a public water well according to TAC §290.38. In accordance with Table 10 of TAC §285.91, the following minimum separation distances from the man-made feature must be maintained:

- No sewage treatment tank or holding tank may be located within 50 feet of the public water well.
- No soil absorption system may be located within 150 feet of the public water well.
- No surface application (edge of spray area) may be located within 150 feet of the public water well.

195 David Jonas Drive • New Braunfels, Texas 78130 • (830) 608-2090 FAX (830) 608-2009

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

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

Sincerely,

Robert Boyd, P.E.
Comal County Assistant Engineer

cc: Jay Millikin, Comal County Commissioner, Precinct No. 2

WATER POLLUTION ABATEMENT PLAN

FOR

BRACKEN UNITED METHODIST CHURCH

MULTI-PURPOSE BUILDING

September 2007

Carter::Burgess

Consultants in Engineering, Architecture,
Construction Management and Related Services
Carter and Burgess, Inc.
911 Central Parkway North, Ste. 425
San Antonio, Texas 78232
(210) 494-0088 Fax (210) 494-4525

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

NAME OF PROPOSED REGULATED ENTITY: **Bracken United Methodist Church-Multi-Purpose Building**
REGULATED ENTITY LOCATION: **Approx 2 miles N of the intersection of FM2252 and FM3009**
NAME OF CUSTOMER: **Bracken United Methodist Church**
CONTACT PERSON: **Mickey McCandless** PHONE: **830.606.6717**
(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
☐ Kinney
☐ Medina
☐ 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):

☒ **SAN ANTONIO REGIONAL OFFICE**
☐ **Mailed to TCEQ**:
TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

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

Type of Plan	Size		Fee Due
Water Pollution Abatement, One Single Family Residential Dwelling		Acres	$
Water Pollution Abatement, Multiple Single Family Residential and Parks		Acres	$
Water Pollution Abatement, Non-residential	4.90	Acres	$ 3,000
Sewage Collection System		L.F.	$
Lift Stations without sewer lines		Acres	$
Underground or Aboveground Storage Tank Facility		Tanks	$
Piping System(s)(only)		Each	$
Exception		Each	$
Extension of Time		Each	$

Signature

9/19/07
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 §213.14 (effective 11/14/97) & 30 TAC §213.9 (effective 6/1/99)

Water Pollution Abatement Plans and Modifications

PROJECT	PROJECT AREA IN ACRES	FEE
One Single Family Residential Dwelling	<5	$500
Multiple Single Family Residential and Parks	<5 5 < 10 10 < 50 ≥50	$1,000 $2,000 $3,000 $5,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1 1 < 5 5 < 10 ≥10	$2,000 $3,000 $4,000 $5,000

Organized Sewage Collection Systems and Modifications

PROJECT	COST PER LINEAR FOOT	MINIMUM FEE MAXIMUM FEE
Sewage Collection Systems	$0.50	$500 - $5,000

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	$500	$500 - $5,000

Exception Requests

PROJECT	FEE
Exception Request	$250

Extension of Time Requests

PROJECT	FEE
Extension of Time Request	$100

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: Bracken United Methodist Church-Multi Purpose Building
COUNTY: Comal STREAM BASIN: Tributary to Dry Comal Creek

EDWARDS AQUIFER: X RECHARGE ZONE
__ TRANSITION ZONE

PLAN TYPE: X WPAP __ AST __ EXCEPTION
__ SCS __ UST __ MODIFICATION

CUSTOMER INFORMATION

1. Customer (Applicant):

Contact Person: Mickey McCandless
Entity: Bracken United Methodist Church
Mailing Address: 20377 FM 2252
City, State: San Antonio, TX Zip: 78266
Telephone: (830) 606-6717 FAX: (830) 606-2368

Agent/Representative (If any):

Contact Person: Billy Classen, P.E
Entity: Carter & Burgess, Inc.
Mailing Address: 911 Central Pkwy N, #425
City, State: San Antonio, TX Zip: 78232
Telephone: (210) 494-0088 FAX: (210) 494-4525

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 Garden Ridge, TX.
__ 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.

Located on Fm 2252 approx. 2 miles N of the intersection of FM 2252 and FM 3009.

4. X **ATTACHMENT A - ROAD MAP**. A road map showing directions to and the location of the project site is attached at the end of this form.

5. X **ATTACHMENT B - USGS / EDWARDS RECHARGE ZONE MAP**. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is

attached behind this sheet. The map(s) should clearly show:

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

6. X Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment. **The TCEQ must be able to inspect the project site or the application will be returned.**

7. X **ATTACHMENT C - PROJECT DESCRIPTION**. Attached at the end of this form is a detailed narrative description of the proposed project.

8. Existing project site conditions are noted below:
__ Existing commercial site
__ Existing industrial site
__ Existing residential site
__ Existing paved and/or unpaved roads
__ Undeveloped (Cleared)
__ Undeveloped (Undisturbed/Uncleared)
X Other: Existing Church Site

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. X I am aware that the following activities are prohibited on the **Transition Zone** and are not proposed for this project:

(1) waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
(2) land disposal of Class I wastes, as defined in 30 TAC §335.1; and
(3) new municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

ADMINISTRATIVE INFORMATION

11. The fee for the plan(s) is based on:

X For a Water Pollution Abatement Plan and Modifications, the total acreage of the site

where regulated activities will occur.

__ For an Organized Sewage Collection System Plans and Modifications, the total linear footage of all collection system lines.

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

__ A Contributing Zone Plan.

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

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

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

__ TCEQ cashier

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

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

13. X Submit one (1) original and three (3) copies of the completed application to the appropriate regional office for distribution by the TCEQ to the local municipality or county, groundwater conservation districts, and the TCEQ's Central Office.

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

__ No person shall commence any regulated activity until the Contributing Zone Plan for the activity has been filed with the executive director.

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

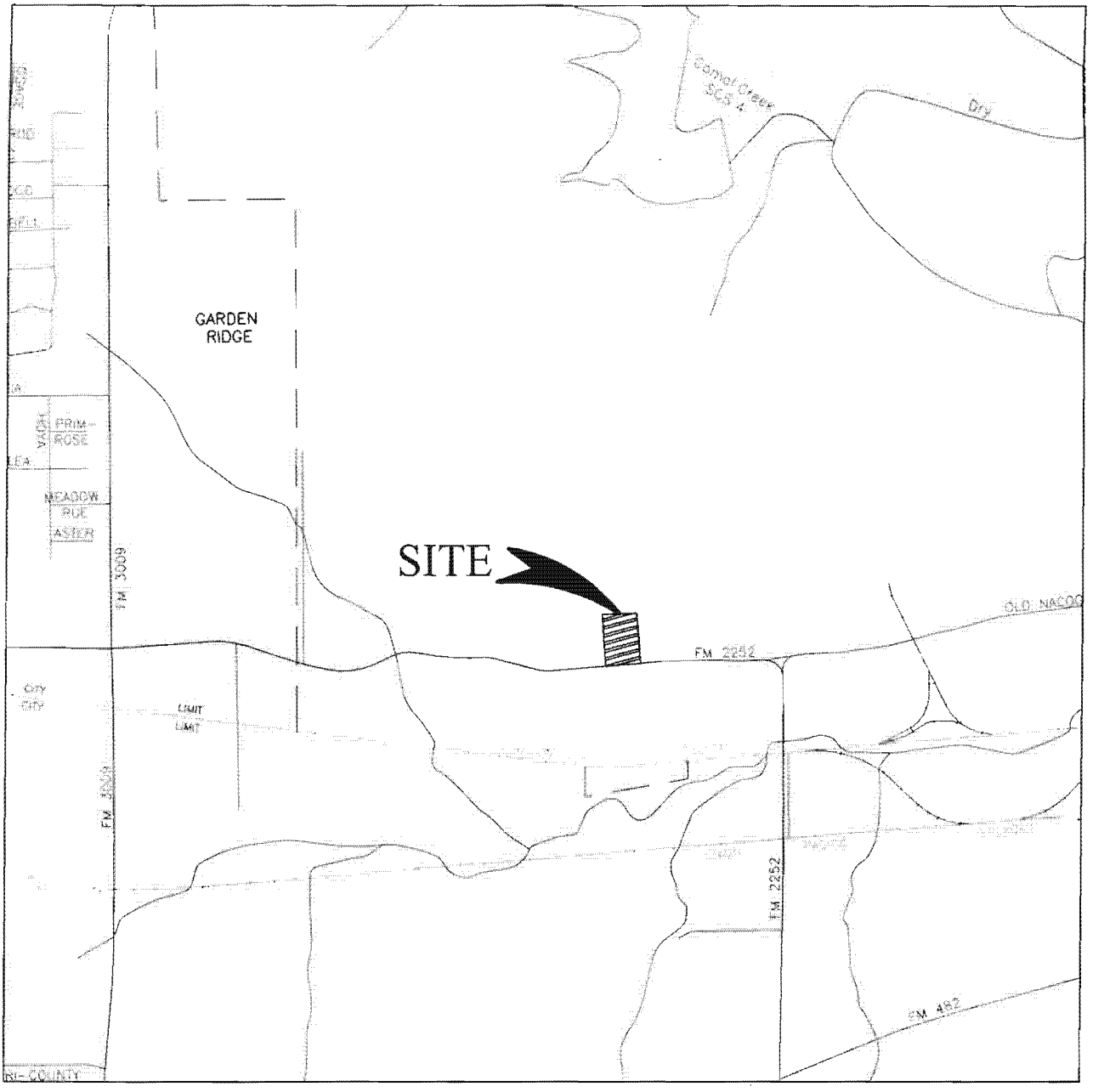
Billy Classen, P.E.
Carter & Burgess, Inc.
Print Name of Customer/Agent

BBClassen 9/19/07

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.



SITE LOCATION MAP

N.T.S.

ATTACHMENT A - ROAD MAP

Carter :: Burgess

Consultants in Engineering, Architecture, Construction Management and Related Services
Carter and Burgess, Inc.

911 Central Parkway North, Suite 425
San Antonio, Texas 78232
(210) 494-0088 Fax (210) 494-4525

MULTI-PURPOSE BUILDING
BRACKEN UNITED METHODIST CHURCH

DRAWN BY: JII CHECKED BY: JII

DATE: August 2007 PROJECT NO.: 310378.012

SHEET 1 OF 1

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

BAT CAVE QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

RECHARGE ZONE

RECHARGE ZONE

RECHARGE ZONE

TRANSITION ZONE

PROJECT SITE

Mapped by the Army Map Service
Edited and published by the Geological Survey
Control by USGS, NOS/NOAA, and USCE
Topography by photogrammetric methods from aerial photographs taken 1952. Field annotated 1953. Revised by Geological Survey from aerial photographs taken 1966. Field checked 1967
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
Fine red dashed lines indicate selected fence lines
Revisions shown in purple compiled by the Geological Survey from aerial photographs taken 1973. This information not field checked

UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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

QUADRANGLE LOCATION

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

BAT CAVE, TEX.
N2937.5–W9815/7.5
1967
PHOTOREVISED 1973
AMS 6343 III-NE-SERIES V882

2 30-424

SEP 21 2007

ATTACHEMENT C – PROJECT DESCRIPTION

The project site is located on FM 2252 approximately 2 miles north of the intersection of Fm 2252 and FM 3009. This project involves the construction of a multi-purpose building and parking lot located adjacent to Bracken United Methodist Church. The existing condition consists of approximately 32% impervious cover, which is the existing church chapel, related buildings, parking lots, and a single family house. There are no permanent BMP's existing on the site, all existing development pre-dates TCEQ rules and regulations. The overall project site is 4.90 acres, with 1.57 acres of existing impervious cover (32%). The proposed improvements will impact the site with a net increase of 0.18 acres (3.7%) of impervious cover. The permanent BMP's have been designed to treat the net increase of impervious cover for the project site, which is approximately 7760 square feet. A summary of the impervious cover and the areas of treatment are in the tables below.

Impervious Area Summary		
Proposed Impervious Cover (After Construction)	12, 900 sf	0.30 ac
Demolished Impervious Cover	5,140 sf	0.12 ac
Net Increase in Impervious Cover	7,760 sf	0.18 ac

Treatment Summary		
Treatment Area	9,460 sf	0.22 ac
Net Increase in Impervious Cover	7,760 sf	0.18 ac
Excess Area Treated	1,700 sf	0.04 ac

The site is located along the southern border of the Recharge Zone in the Bat Cave region. The site does accept off-site storm water run off. The proposed improvements due accept upstream runoff, however this flow is incidental and minimal in nature. Grass filter strips will be used to treat stormwater runoff. Additionally, existing impervious cover will be treated to account for some of the proposed improvements. The on-site storm water drains through the site and into an un-named tributary of Dry Comal Creek on the south side of FM 2252. There is no floodplain near the property. The temporary and permanent BMP's will be constructed and maintained by Bracken United Methodist Church.

The project limits are those areas within the Church campus that will be disturbed to construct the new building and parking areas, which will be approximately 1.1 acres.

GEOLOGIC ASSESSMENT

For:

Bracken United Methodist Church
20377 FM 2252
Bracken, Comal County, Texas

ARIAS & ASSOCIATES
Geotechnical • Environmental • Testing

Prepared for:

Metropolitan Contracting Company
ATTN: Mr. Billy Classen, P.E.
c/o Carter::Burgess, Inc.
911 Central Parkway North, Suite 425
San Antonio, Texas 78232

A&A Project Number 07SA-4159
August 2007

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: **BRACKEN UNITED METHODIST CHURCH, 20377 FM 2252**

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

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

PROJECT INFORMATION

1. X Geologic or manmade features are described and evaluated using the attached **GEOLOGIC ASSESSMENT TABLE**.

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

Soil Units, Infiltration Characteristics & Thickness		
Soil Name	Group*	Thickness (feet)
Comfort-Rock outcrop complex, rolling (CrD)	D	1.0 to 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" = 30'
Site Geologic Map Scale 1" = 30'
Site Soils Map Scale (if more than 1 soil type) 1" = '

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

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

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

9. [X] Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
   - [ ] Geologic or manmade features were not discovered on the project site during the field investigation.

10. [X] The Recharge Zone boundary is shown and labeled, if appropriate.

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

   - [X] There are 1 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
     - [ ] The wells are not in use and have been properly abandoned.
     - [ ] The wells are not in use and will be properly abandoned.
     - [X] The wells are in use and comply with 16 TAC Chapter 76.
   - [ ] There are no wells or test holes of any kind known to exist on the project site.

ADMINISTRATIVE INFORMATION

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

Date(s) Geologic Assessment was performed:

Date(s) July 19, 2007

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

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

Telephone 210-308-5884

Fax 210-308-8731

Kevin L. Wooster
Signature of Geologist

August 3, 2007
Date

Representing: Arias & Associates, Inc., Project No.: 07SA-4159
(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: Bracken United Methodist Church

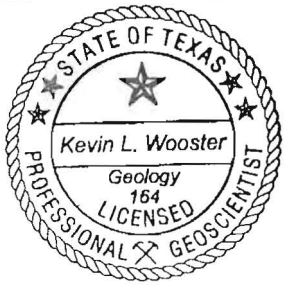
LOCATION							FEATURE CHARACTERISTICS												EVALUATION			PHYSICAL SETTING		
1A	1B *			1C *			2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE			LONGITUDE			FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DIP	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				X	Y	Z		10						<40	>40	<1.6	>1.6	
S-1	29	37	51.6	98	16	26.5	MB	30	Kep	Water well							F	5	35	X		X		Hillside

* DATUM: NAD 83

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

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

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



I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field

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

Kevin L. Wooster

Date: July 19, 2007

Sheet 1 of 1

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

SOIL NARRATIVE

Bracken United Methodist Church
20377 FM 2252
Bracken, Comal County, Texas

In accordance with the U.S.D.A. Soil Survey of Bexar County, dated 1962, the natural surface soils have been mapped as within one primary soil group.

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

Bracken United Methodist Church

STRATIGRAPHIC COLUMN

Hydrogeologic subdivision			Group formation or member			Hydro-logic fuction	Thick-ness (feet)	Lithology	Cavern develop-ment	Porosity / permeability type
Quaternary			Terrace Deposits			CU	0-30	Gravel and sand	None	High porosity / high permeability
Upper Cretaceous	Upper Confining Unit		Austin Group			CU	130-150	White to gray limestone	None	Low porosity / low permeability
			Eagle Ford Group			CU	30-50	Buff, light gray, dense mudstone	None	Low porosity / low permeability
			Buda Limestone			CU	40-50	Brown flaggy shale and argillaceous limestone	None	Low porosity / low permeability
			Del Rio Clay			CU	40-50	Blue-green to yellow-brown clay	None	None / primary upper confining unit
Lower Cretaceous	I		Georgetown Formation			CU	10	Reddish-brown, gray to light tan marly limestone	None	Low porosity / low permeability
	II	Edwards aquifer	Edwards Group	Person Fm.	Cyclic & marine members undivided	AQ	80-100	Mudstone to packstone; miliolid grainstone; chert	Many sub-surface	Laterally extensive; water yielding
	III				Leached & col-lapsed members	AQ	80-100	Crystalline limestone; mudstone to grainstone; chert collapsed breccia	Extensive lateral devel-opment; large rooms	Majority not fabric / one of the most permeable
	IV				Regional dense member	CU	20-24	Dense, argillaceous mudstone	Very few; only vertical fracture enlargement	Not fabric / low permeability; vertical barrier
	V			Kainer Fm.	Grainstone member	AQ	50-60	Miliolid grainstone; mudstone to wackestone; chert	Few	Not fabric / recrystal-lization reduces permeability
	VI				Kirschberg evaporite member	AQ	50-60	Highly altered crystalline limestone; chalky mudstone; chert	Probably extensive cave devel.	Majority fabric / one of the most permeable
	VII				Dolomitic member	AQ	110-130	Mudstone to grainstone; crystaline limestone; chert	Caves rela-ted to struc-ture or bed-ding planes	Mostly not fabric; some bedding plane fabric / water-yielding
	VIII				Basal nodular member	Karst AQ; not karst CU	50-60	Shaly, nodular limestone; mudstone and miliolid grainstone	Large lateral caves at surface	Fabric; stratigraph-ically controlled / large conduit flow at surface; no permea-bility in subsurface
	Lower confining unit		Upper member of the Glen Rose Limestone			CU; evaporite beds AQ	350-500	Yellowish tan, thinly bedded limestone and marl	Some sur-face cave development	Some water product-ion at evaporite beds / relatively impermeable

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

Note: CU = Confining Unit; AQ = Aquifer

Indicates Upper Most Surface Bedrock Formation

GEOLOGY NARRATIVE

Bracken United Methodist Church
20377 FM 2252
Bracken, Comal County, Texas

The outcropping geologic formation mapped at the Site consists of the Person Formation of the Edwards Group. This formation forms the hillside and hilltop on which the property is situated. This unit is composed of crystalline limestone, mudstone and chert. The approximate locations of recharge features are indicated on the accompanying Site Geologic Map.

No structural features such as faults or fractures were noted in the reviewed literature sources, and no indications of such features were observed on the Site.

No karst type features of any kind were noted.

One man-made feature was noted on the northwest portion of the Site, an existing water well. (Feature S1). The approximate location of the feature is indicated on the accompanying Site Geologic Map. Based on the criteria shown in the Rapid Infiltration Probability flowchart of TCEQ-0585, the feature has a low infiltration rate.

REFERENCES

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

Collins, E.W., 1993. Geology of Bat Cave Quadrangle, Comal County, Texas. Open File Map 2998-424. Bureau of Economic Geology, The University of Texas at Austin, Texas.

San Antonio Water System, 1995. Hydrogeologic Subdivisions of the Edwards Aquifer Recharge Zone, Bat Cave Quadrangle. SAWS, San Antonio, Texas.

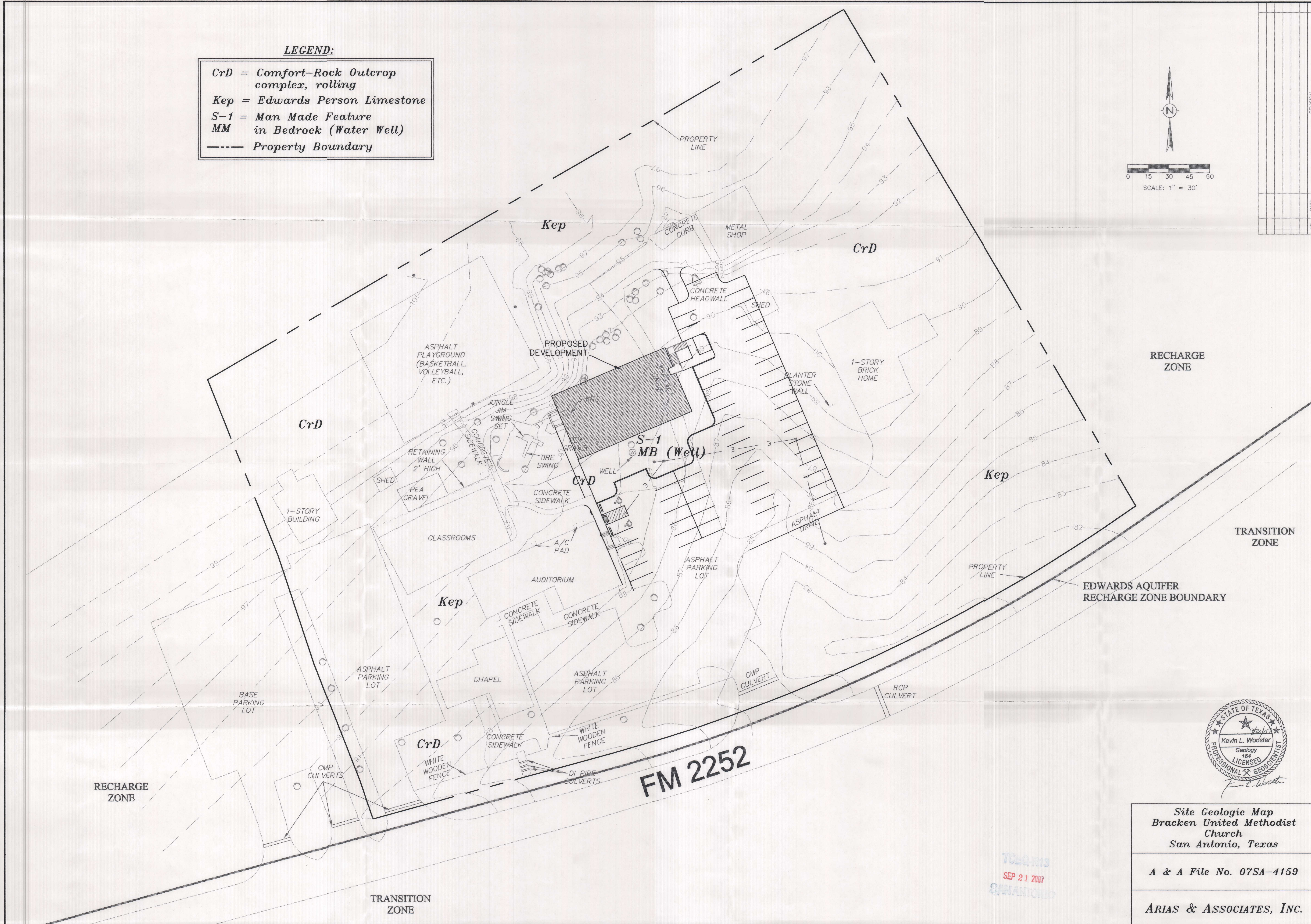
Stein, W.G., and Ozuna, G.B., 1995. Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Comal County, Texas. U.S. Geol. Survey, Water-Resources Investigations Report 94-4117. 10 pp., 2 figs.

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

United States Department of Agriculture. Soil Survey of Comal and Hays Counties, Texas. Web Soil Survey 1.1, Natural Resource Conservation Service. <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx> April, 2007.

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

United Stated Geologic Survey, 1988. Bat Cave Quadrangle. USGS, Denver, Colorado. USGS Reference Code 29098-F3-TF-024.



STATE OF TEXAS
Kevin L. Wooster
Geology
164
LICENSED
PROFESSIONAL GEOSCIENTIST

Site Geologic Map
Bracken United Methodist Church
San Antonio, Texas

A & A File No. 07SA-4159

ARIAS & ASSOCIATES, INC.

SEP 21 2007

NO.	DATE	REVISION

Carter :: Burgess
Consultants in Engineering, Architecture, Construction Management and Related Services
Carter and Burgess, Inc.
911 Central Parkway North, Suite 425
San Antonio, Texas 78232
(210) 494-0088 Fax (210) 494-4525
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EXISTING SITE PLAN

MULTI-PURPOSE BUILDING
BRACKEN UNITED METHODIST CHURCH
20377 FM 2252
SAN ANTONIO, TEXAS 78266

DATE: 8/2/2007
DRAWN BY: JII
DESIGNED BY: BKC
CHECKED BY: BKC
REVIEWED BY: BKC
PROJECT NUMBER: 310378.012

SHEET
E1

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: Bracken United Methodist Church-Multi-Purpose Building

REGULATED ENTITY INFORMATION

1. The type of project is:
   ___ Residential: # of Lots:
   ___ Residential: # of Living Unit Equivalents:
   ___ Commercial
   ___ Industrial
   X Other: Church Expansion

2. Total site acreage (size of property): Approximate overall site= ~~5.24~~ 4.90 acres
   (Area of site improvements = 1.1 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	4635	÷ 43,560 =	0.11
Parking	3125	÷ 43,560 =	0.07
Other paved surfaces		÷ 43,560 =	
Total Impervious Cover	7760	÷ 43,560 =	0.18
Total Impervious Cover ÷ Total Acreage x 100 =			3.7%

Note: Although the overall site is 4.90 acres, only approximately 1.1 acres of the site will be disturbed by the construction of the proposed improvements. In addition, some areas of proposed improvements already have existing impervious cover that will be demolished prior to the construction of the new improvements. Therefore, while there is approximately 12,900 sf of impervious cover proposed with the project, the net addition of impervious cover is only approximately 7,760 sf, as stated in the project description. (Reference Attachment C-General Information Form)

5. X **ATTACHMENT A - Factors Affecting Water Quality.** A description of any factors that could affect surface water and groundwater quality is provided at the end of this form.

6. X Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

FOR ROAD PROJECTS ONLY
Complete questions 7-12 if this application is exclusively for a road project.

7. Type of project:
   - __ TXDOT road project.
   - __ County road or roads built to county specifications.
   - __ City thoroughfare or roads to be dedicated to a municipality.
   - __ Street or road providing access to private driveways.

8. Type of pavement or road surface to be used:
   - __ Concrete
   - __ Asphaltic concrete pavement
   - __ Other:

9. Length of Right of Way (R.O.W.): _____ feet.
   Width of R.O.W.: _____ feet.
   L x W = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

10. Length of pavement area: _____ feet.
    Width of pavement area: _____ feet.
    L x W = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.
    Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = ___% impervious cover.

11. __ A rest stop will be included in this project.
    __ A rest stop will **not** be included in this project.

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

STORMWATER TO BE GENERATED BY THE PROPOSED PROJECT

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

WASTEWATER TO BE GENERATED BY THE PROPOSED PROJECT

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

X % Domestic	100 gallons/day (See Appendix)
__ % Industrial	_____ gallons/day
__ % Commingled	_____ gallons/day
TOTAL	100 gallons/day

15. Wastewater will be disposed of by:
    X **On-Site** Sewage Facility (OSSF/Septic Tank):
    ATTACHMENT C - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater. The appropriate licensing authority's

(authorized agent) written approval is provided at the end of this form. It states that the land is suitable for the use of an on-site sewage facility or identifies areas that are not suitable.

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

__ Sewage Collection System (Sewer Lines):

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

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

__ The SCS was previously submitted on _____.

__ The SCS was submitted with this application.

__ The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to executive director approval.

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

__ existing.

__ proposed.

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

SITE PLAN REQUIREMENTS

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

17. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 30 '.

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): Panel 140 (Bexar County) Map No. 48029C8140 E
Dated: February 16, 1996

19. X 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.

__ The layout of the development is shown with existing contours. Finished topographic contours will not differ from the existing topographic configuration and are not shown.

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

X There are 1 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)

__ The wells are not in use and have been properly abandoned.
__ The wells are not in use and will be properly abandoned.
X The wells are in use and comply with 30 TAC §238.
__ There are no wells or test holes of any kind known to exist on the project site.

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

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

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

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

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

26. NA Surface waters (including wetlands).

27. __ Locations where stormwater discharges to surface water or sensitive features.
X There will be no discharges to surface water or sensitive features.

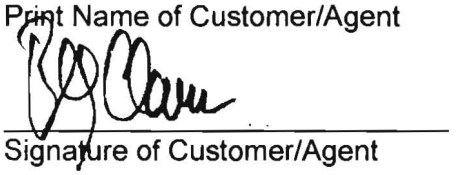
ADMINISTRATIVE INFORMATION

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

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

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

Billy Classen, P.E.
Carter & Burgess, Inc.
Print Name of Customer/Agent



Signature of Customer/Agent

9/19/07
Date

Attachment A – Factors Affecting Water Quality

The development will be a multi-purpose building expansion for Bracken United Methodist Church that will result in minimal to no pollution. Pollution may originate from ordinary household chemicals, normal automobile wastes, and runoff from asphalt drives. In the case of a spill, proper procedures will be taken in accordance with "Complying with Edwards Aquifer Rules: Technical Guidance on Best Management Practices," revised July 2005.

Attachment B – Volume and Character of Stormwater

The development of this site will result in a minimal increase in stormwater runoff. Calculations were performed using the Rational Formula. The rational coefficient for existing conditions is 0.68. The rational coefficient for proposed conditions is 0.69. For the 25-year storm event, stormwater runoff from the proposed development increased from 29.19 cfs to 29.62 cfs, an increase of 1.5%. For the 100-year storm event, stormwater runoff increased from 34.79 cfs to 35.30 cfs. This is an increase of 1.5%.

Drainage patterns for the site will remain relatively unchanged. Low areas and swales will remain in their original condition, therefore offering natural vegetative filtering capabilities.

Due to the fact that the majority of the drainage lows will remain in their natural condition and the net increase in impervious cover is 3.7% (7,760 sf), the quality of stormwater runoff leaving the site will remain unchanged after incorporating appropriately sized temporary and permanent BMP's for the project.

Comal County

OFFICE OF COMAL COUNTY ENGINEER

PERMIT OF AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY
PERMIT VALID FOR ONE YEAR FROM DATE ISSUED

Permit Number: 89607

Issued this date: June 27, 2007

This Permit is hereby given to: The Trustees of Bracken United Methodist Church

To start construction of a private, on-site sewage facility located at:

20377 FM 2252, approx. 5 acres, Garden Ridge, TX 78266
John Drumm/Edwin Woodruff Sur Subdivision

APPROVED MIMNIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic Treatment with Surface Irrigation Discharge

This permit gives permission for the construction of the above referenced on-site facility to commence. Installation must be completed by an installer holding a valid registration card from the Texas Natural Resource Conservation Commission (TNRCC). Installation and inspection must comply with current TNRCC and Comal County requirements.

Call (830) 608-2094 to schedule inspections.

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: Bracken United Methodist Church Multi-Purpose Building

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.

   N/A The 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. N/A 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:

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, repair, 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 manufacturers specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicates a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.

14. X If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).

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

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

SOIL STABILIZATION PRACTICES

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

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

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

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

ADMINISTRATIVE INFORMATION

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

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

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

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

Billy Classen, P.E.
Carter & Burgess, Inc.
Print Name of Customer/Agent

Signature of Customer/Agent

9/19/07
Date

Attachment A – Spill Response Actions

There will be no above ground fuel storage tanks allowed on this project. Equipment will be fueled using mobile fuel trucks as needed. There is a small chance of a fuel spill occurring due to leaking construction equipment or re-fueling operations. If a minor spill were to occur, the soil impacted would be removed from the site and properly disposed of in an approved landfill site. If a major spill were to occur, where the amounts spilled were equal to, or exceeding, the Reportable Quantity, RQ, as defined by EPA regulations 40 CFR Parts 110, 119, and 302 then the following steps will be taken.

The following steps will help reduce the stormwater impacts of leaks and spills, in accordance with the Technical Guidance on Best Management Practices, Section 1.4.16, pg(s) 1-118 – 1-121:

Education

(1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills.
Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.
(2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
(3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
(4) Establish a continuing education program to indoctrinate new employees.
(5) Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

(1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, and substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
(2) Store hazardous materials and wastes in covered containers and protect from vandalism.
(3) Place a stockpile of spill cleanup materials where it will be readily accessible.
(4) Train employees in spill prevention and cleanup.
(5) Designate responsible individuals to oversee and enforce control measures.
(6) Spills should be covered and protected from stormwater runoff during rainfall to the extent that it doesn't compromise clean up activities.
(7) Do not bury or wash spills with water.
(8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMP's.
(9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
(10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.

(11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
(12) Keep waste storage areas clean, well organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup

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

Minor Spills

(1) Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.
(2) Use absorbent materials on small spills rather than hosing down or burying the spill.
(3) Absorbent materials should be promptly removed and disposed of properly.
(4) Follow the practice below for a minor spill:
(5) Contain the spread of the spill.
(6) Recover spilled materials.
(7) Clean the contaminated area and properly dispose of contaminated materials.

Semi-Significant Spills

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

Spills should be cleaned up immediately:

(1) Contain spread of the spill.
(2) Notify the project foreman immediately.
(3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
(4) If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
(5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

(1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM.

After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
(2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.
(3) Notification should first be made by telephone and followed up with a written report.
(4) The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
(5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

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

Vehicle and Equipment Maintenance

(1) If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.
(2) Regularly inspect onsite vehicles and equipment for leaks and repair immediately
(3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.
(4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
(5) Place drip pans or absorbent materials under paving equipment when not in use.
(6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
(7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
(8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
(9) Store cracked batteries in a non- leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Vehicle and Equipment Fueling

(1) If fueling must occur on site, use designated areas, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.
(2) Discourage "topping off" of fuel tanks.
(3) Always use secondary containment, such as a drain pan, when fueling to catch spills/ leaks.

Attachment B – Potential Sources of Contamination

Potential sources of contamination are construction equipment leaks, re-fueling spills and asphalt lay down operations, on-site trash, and port-o-lets. There are no other anticipated potential sources of contamination.

Attachment C – Sequence of Major Activities

Stages of Construction:
The following construction sequence will occur for the project:

1. Clearing and Grubbing – removal of trees, stumps, brush and other debris within the limits of the project. Approximate disturbed area = 1.1 acres
2. Rough Grading – Cutting and filling of site area to prepare the access road pavement and the storage tank construction. Approximate disturbed area = 1.1 acres
3. Construction of multi-purpose building. Approximate disturbed area = 0.11 acres
4. Utility Installation – There will be underground water, private septic, telephone and electric lines installed. Approximate disturbed area = 0.10 acres
5. Finished Grading – Final landscaping and asphalt pavement layers are installed. Approximate disturbed area = 1.0 acres
6. Establishment of permanent engineered vegetated filter strips and permanent revegetaion of all disturbed areas. Approximate disturbed area = 0.5 acres

Attachment D – Temporary BMPs and Measures

Soil disturbance will be limited to the building site and additional parking. No soil disturbance will occur outside of the project limits. Silt fence will be placed on the down gradient side of the site to contain pollutants generated from on-site runoff. A stabilized construction entrance and exit will be installed at the entrance to the project site as shown on the Temporary Pollution Abatement Plan Sheet, to help eliminate contaminants from leaving the site during construction traffic. The temporary measures will be maintained throughout the project, therefore, reducing the potential of polluting streams and the aquifer.

A. Stormwater, upgradient of the project site, will sheet flow south through the project site. Silt fence will be provided along the downstream side of the proposed parking area to prevent the pollutants from traveling beyond the project site. A rock berm will be provided at the southeastern corner of the site within the bar ditch of FM 2252.

B. Stormwater originating on-site will sheet flow to the south and east. Silt fence will be provided along the downstream side of the proposed parking area to prevent the pollutants from traveling beyond the project site. A rock berm will be provided at the southeastern corner of the site within the bar ditch of FM 2252. A stabilized construction entrance/exit will be provided near the eastern-most driveway onto FM 2252. The stabilized construction entrance/exit will reduce the sediment transport onto public roadways. A concrete washout area will also be provided near the construction entrance/exit. The concrete washout area will reduce the amount of concrete waste entering the stormwater runoff.

C. All stormwater originating will sheet flow to the south and east. Silt fence will be provided along the downstream side of the proposed parking area to prevent the pollutants from traveling beyond the project site. A rock berm will be provided at the southeastern corner of the site within the bar ditch of FM 2252. A stabilized construction entrance/exit will be provided near the eastern-most driveway onto FM 2252. The stabilized construction entrance/exit will reduce the sediment transport onto public roadways. A concrete washout area will also be provided near the construction entrance/exit. The concrete washout area will reduce the amount of concrete waste entering the stormwater runoff.

D. There are no naturally occurring sensitive features throughout the project site.An existing water well was identified in the Geologic Assessment. The well is presently in use and will remain after construction.

Attachment E – Request to Temporarily Seal a Feature

There will be no temporary sealing of any naturally-occurring sensitive features on the site.

Attachment F – Structural Practices

All temporary controls will be installed in accordance with the Technical Guidance on Best Management Practices (Chapter 1.4) and are shown on the Temporary Stormwater Plan.

The structural practices for this project site are described below:

- Silt fence will be provided along the downstream side of the proposed parking area to prevent the pollutants from traveling beyond the project site.
- A rock berm will be provided at the southeastern corner of the site within the bar ditch of FM 2252.
- A stabilized construction entrance/exit will be provided near the eastern-most driveway onto FM 2252. The stabilized construction entrance/exit will reduce the sediment transport onto public roadways.
- A concrete washout area will also be provided near the construction entrance/exit. The concrete washout area will reduce the amount of concrete waste entering the stormwater runoff.
- The water well identified on site in the Geologic Assessment will be protected from erosion by silt fence.

Attachment G – Drainage Area Map

The areas of soil disturbance is approximately 1.1 acres, therefore there will be no areas greater than 10 acres within a common drainage area.

See attached drainage area map.

Attachment H – Temporary Sediment Pond(s) Plans and Calculations

There will not be more than 10-acres of disturbed soil in a common drainage area that will occur at one time. Silt fence will be used for the small drainage areas and sheet flow runoff. No sediment ponds will be used on this project due to the minimal disturbance area.

Attachment I – Inspection and Maintenance for BMPs

Inspection and Maintenance Plan

- The contractor is required to inspect the controls and fences at weekly intervals and after any rainfall events to insure that they are functioning properly. The person(s) responsible for maintenance of controls and fences shall immediately make any necessary repairs to damaged areas. Silt accumulation at controls must be removed when the depth reaches six inches. Contractor is required to maintain the construction exit in a condition that prevents soil from tracking onto public roads via construction equipment and traffic.
- TCEQ staff will be allowed full access to the property during construction of the project for inspecting controls and fences and to verify that the accepted plan is being utilized in the field. TCEQ staff has the right to speak with the contractor to verify plan changes and modifications.
- Any changes made to the location or type of controls shown on the accepted plans, due to onsite conditions, shall be documented on the site plan that is part of this Water Pollution Abatement Plan. No other changes shall be made unless approved by the TCEQ and the Design Engineer. Documentation shall clearly show changes made, date, and person responsible and reason change was made.

Owner's Information:

Owner: Bracken United Methodist Church
Contact: Mickey McCandless
Phone #: (830) 606-6717
Address: 20377 FM 2252
San Antonio, Texas 78266

Owner's Engineer:

Company: Carter & Burgess, Inc.
Contact: Billy Classen, PE
Phone #: (210) 494-0088
Address: 911 Central Pkwy North, #425
San Antonio, Texas 78232

Person or Firm Responsible For Erosion/Sedimentation Control Maintenance:

Company: Metropolitan Contracting Company Phone #:(210) 829-5542
Contact: Steve Schuetze
Address: 990 Isom Road
San Antonio, Texas 78216

Signature of Responsible Party: _____

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

Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

There will be minimal disturbed soil due to construction operations that are not covered by pavement or buildings. The area is currently developed with parking and grass areas around the perimeter. Areas, which are disturbed by construction staging, and storage areas will be hydro mulched with the appropriate seed mixture. Areas between the edge of pavement and right-of-way line will also be hydro mulched if a soil layer exists. Areas within islands and the entrance will be landscaped with appropriate plants and mulched. There will be no fill slopes exceeding a 3:1 slope and all fill slopes will be hydro mulched.

Installation of hydro mulch is as follows:

1. Final grading must be completed and all necessary BMPs should be in place prior to the addition of hydro mulch.
2. Hydro mulch mixture shall be as recommended by the County Agriculture Extension Agent or as shown below for the specific time of year and whether or not irrigation will be utilized.
3. Hydro mulch shall be applied at a rate stipulated by the Extension Agent or as shown below and shall be applied in a uniform manner
4. Other types of seeding applications may be used by the Contractor if approved by the Design Engineer and TNRCC.
5. If blankets or matting are used, they shall conform to the Texas Department of Transportation specifications.

Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently 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 with 21 days, temporary stabilization measures do not have to be initiated on that portion of the site. In areas experiencing droughts where the initiation of stabilization measures by the 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.

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

Bracken United Methodist Church
Existing Conditions-Hydrologic Calculations

POINT	AREA ID	TOTAL AREA	C	Tc	I_{10}	I_{25}	I_{100}	Q_{10}	Q_{25}	Q_{100}
1	A1	4.90	0.68	5.00	7.68	8.76	10.44	25.59	29.19	34.79

Bracken United Methodist Church
Proposed Conditions-Hydrologic Calculations

POINT	AREA ID	TOTAL AREA	C	Tc	I_{10}	KI_{25}	KI_{100}	Q_{10}	Q_{25}	Q_{100}
1	A1	4.90	0.69	5.00	7.68	8.76	10.44	25.97	29.62	35.30

TCEQ RMB
SEP 21 2007
SAN ANTONIO

NO.	DATE	REVISION	BY

Carter :: Burgess
Consultants in Engineering, Architecture, Construction Management and Related Services
Carter and Burgess, Inc.
811 Central Parkway North, Suite 425
San Antonio, Texas 78232
(210) 494-0088 FAX (210) 494-4525
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STATE OF TEXAS
DAVID M. McBETH
58223
REGISTERED PROFESSIONAL ENGINEER

DRAINAGE AREA MAP

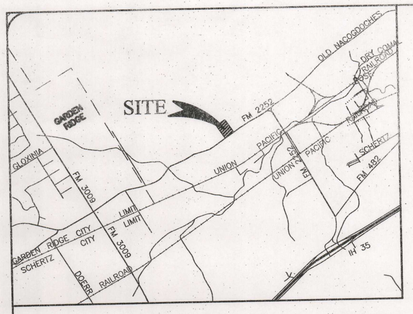
MULTI-PURPOSE BUILDING

BRACKEN UNITED METHODIST CHURCH
20377 FM 2252
SAN ANTONIO, TEXAS 78266

DATE: 9/20/2007
DRAWN BY: JII
DESIGNED BY: BKC
CHECKED BY: BKC
REVIEWED BY: BKC
PROJECT NUMBER: 310378.012

SHEET
C2.0

Drawing Name: M:\310378.012 Bracken UMC\dwg\310378012-DRAINAGE AREA.dwg Sep 20, 2007 - 3:13pm



SITE LOCATION MAP

N.T.S.

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:

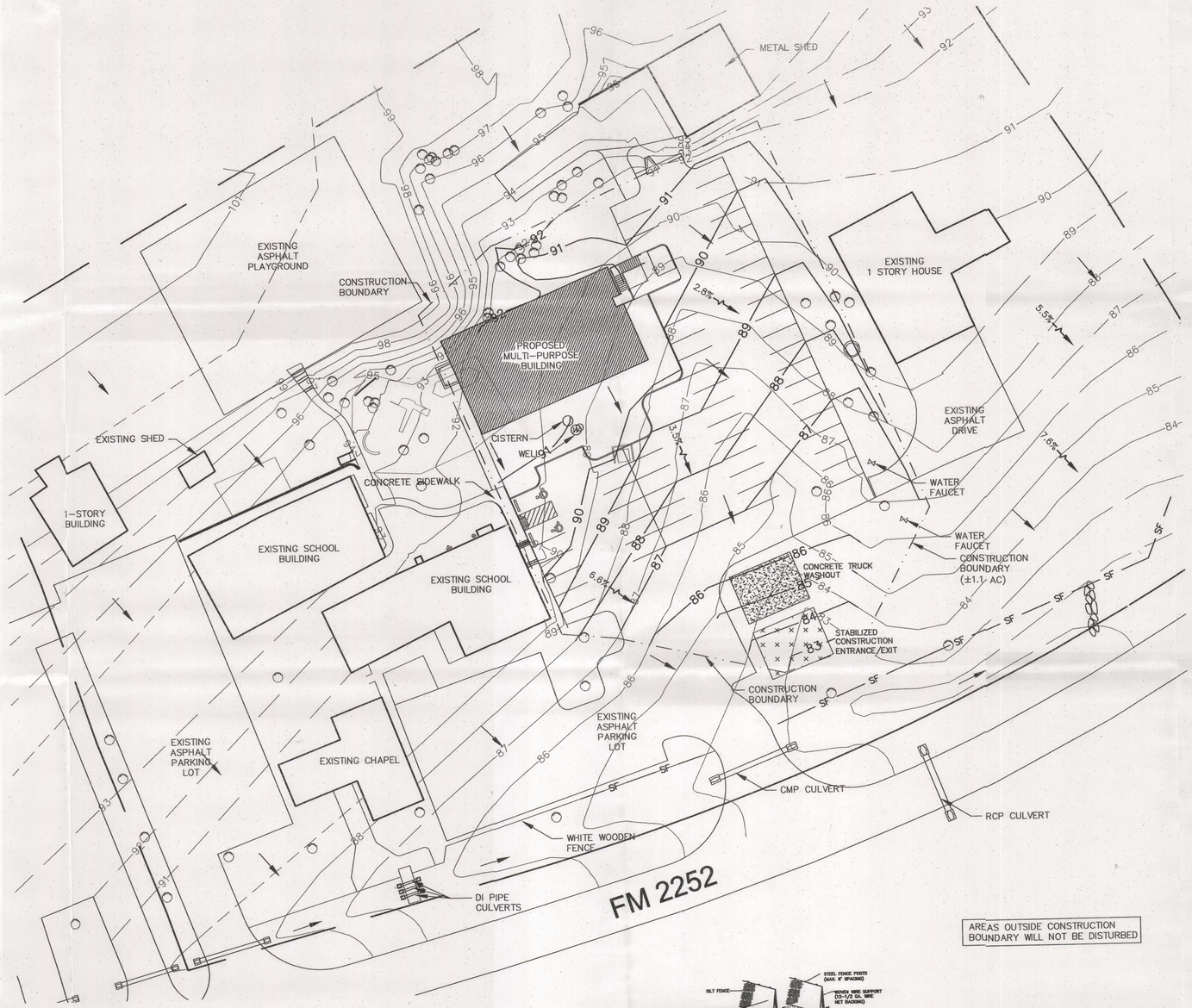
   A. any physical or operational modification of any water pollution abatement structure(s), including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;

   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.

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.



N

0 15 30 45 60

SCALE: 1" = 30'

LEGEND

- CONCRETE WASHOUT PIT
- TEMPORARY CONSTRUCTION ENTRANCE/EXIT
- PROPERTY LINE
- 90 EXISTING CONTOURS
- 90 PROPOSED CONTOURS
- SF SF PROPOSED SILT FENCE
- FLOW ARROW
- ROCK BERM

A WATER POLLUTION ABATEMENT PLAN IS REQUIRED FOR THIS PROJECT. NO EXCAVATION OR EARTH MOVING ACTIVITIES MAY BEGIN UNTIL THE CONTRACTOR RECEIVES A COPY OF THE APPROVED WPAP FOR A NOTICE TO PROCEED FROM THE ENGINEER. UPON APPROVAL OF THE WPAP, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR TYPE AND PLACEMENT OF STRUCTURAL BMPs THAT MEET THE REQUIREMENTS OF THE TCEQ. THIS WORK SHALL BE PAID FOR UNDER ITEM 5000 "WATER POLLUTION ABATEMENT PLAN".

SWPPP NOTES:

1. THE ESTIMATED AREA OF DISTURBANCE FOR THIS PROJECT IS 1.1 ACRES. THE CONTRACTOR SHALL PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH TPDES GENERAL PERMIT NO. TXR150000 AND POST A SIGNED CONSTRUCTION SITE NOTICE AT THE SITE, AS WELL AS FILE A COPY OF THAT NOTICE WITH THE CITY OF SAN ANTONIO AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION.

2. IT IS THE INTENT OF THE INFORMATION PROVIDED ON THIS SHEET AND WITHIN THE SPECIFICATIONS TO BE USED AS THE GENERAL GUIDELINES OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT TO ESTABLISH A MINIMUM BASIS OF COMPLIANCE WITH FEDERAL REGULATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN AND FOR ANY MODIFICATIONS REQUIRED TO OBTAIN THE TPDES PERMITS.

3. THE CONTRACTOR SHALL MAKE THE STORM WATER POLLUTION PREVENTION PLAN AVAILABLE, UPON REQUEST, TO TCEQ AND LOCAL AGENCIES.

4. THE CONTRACTOR MUST AMEND PLANS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE PLAN, OR WHEN THE EXISTING PLAN PROVES INEFFECTIVE. MODIFICATIONS, INCLUDING DESIGN AND ALL ADDITIONAL MATERIALS AND WORK, SHALL BE ACCOMPLISHED BY THE CONTRACTORAT NO ADDITIONAL EXPENSE TO THE OWNER.

5. STABILIZATION MEASURES ARE TO BE INSPECTED AT A MINIMUM OF ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 1/2". REPAIRS TO INADEQUACIES REVEALED BY THE INSPECTION MUST BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

6. AN INSPECTION REPORT THAT SUMMARIZES INSPECTION ACTIVITIES AND IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE RETAINED AND MADE PART OF THE PLAN.

7. ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST CERTIFY AS TO AN UNDERSTANDING OF THE NPDES GENERAL PERMIT BEFORE CONDUCTING ANY ACTIVITY IDENTIFIED IN THE POLLUTION PREVENTION PLAN.

8. THE CONTRACTOR SHALL ADOPT APPROPRIATE CONSTRUCTION SITE MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF OILS, GREASE, PAINTS, GASOLINE, AND OTHER POLLUTANTS TO STORM WATER. APPROPRIATE PRACTICES CAN INCLUDE:
DESIGNATING AREAS FOR EQUIPMENT MAINTENANCE AND REPAIR;
REGULAR COLLECTION OF WASTES;
CONVENIENTLY LOCATED WASTE RECEPTACLES; AND
DESIGNATING AND CONTROLLING EQUIPMENT WASHDOWN.

9. THE CONTRACTOR SHALL AMEND OR MODIFY THIS PLAN AS REQUIRED BY CONSTRUCTION MEANS, METHODS AND SEQUENCE. MODIFICATIONS SHALL NOT COMPROMISE THE INTENT OF THE REQUIREMENTS OF THE LAW AND THIS PLAN. MODIFICATION SHALL NOT BE BASIS FOR ADDITIONAL COST TO THE OWNER.

10. AREAS OF CONSTRUCTION ELSEWHERE ON THE JOB SITE SHALL CONFORM TO THE DETAILS SHOWN ON THE PLANS.

11. THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION EXIT AT ALL TRAFFIC EXIT POINTS PRIOR TO EXITING ONTO ANY PAVED ROADWAY. EXIT SHALL BE CONSTRUCTED AS DETAILED ON THIS SHEET.

12. THE CONTRACTOR SHALL CONSTRUCT A SILT FENCE (SF) AT ALL LOCATIONS SHOWN ON PLANS. THE SF SHALL BE CONSTRUCTED AS DETAILED ON THIS SHEET.

13. THE CONTRACTOR SHALL DESIGNATE MATERIAL AND EQUIPMENT STORAGE AREAS MUTUALLY AGREED TO BY THE OWNER. THE STORAGE AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE AND THE SURFACE STABILIZED WITH A MINIMUM OF 2" OF CRUSHED ROCK OR GRAVEL. SILT FENCE SHALL BE INSTALLED AROUND THE STORAGE AREAS TO PREVENT ANY EROSION FROM LEAVING THE SITE.

AREAS OUTSIDE CONSTRUCTION BOUNDARY WILL NOT BE DISTURBED

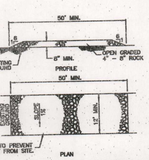
TEMPORARY CONSTRUCTION ENTRANCE/EXIT NOTES

INSTALLATION:

1. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM TEH FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.
2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER.
3. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.
4. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2% CONSTRUCT A RIDGE, 6 TO 8 INCHES HIGH WITH 3:1 (h:v) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.
5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.
6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.
7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.
8. INSTALL PIPE UNDER PAD AS NEEDED TO MAINNTAIN PROPER PUBLIC ROAD DRAINAGE.

INSPECTION AND MAINTENANCE GUIDELINES

1. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.
3. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
4. WHEN WASHING STONE IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
5. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USING APPROVED METHODS.



TEMPORARY CONSTR. ENTRANCE/EXIT

N.T.S.

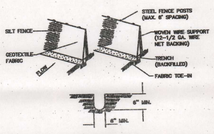
SILT FENCE NOTES

INSTALLATION

1. STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLETOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 1-FOOT DEEP AND SPACED NOT MORE THAN 8 FEET ON CENTER. WHERE WATER CONCENTRATES, THE MAXIMUM SPACING SHOULD BE 6 FEET.
2. LAYOUT FENCING DOWN-SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS ¼ ACRE/100 FEET OF FENCE.
3. THE TOE OF THE SILT FENCE SHOULD BE TENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN-SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROP), WEIGHT OF FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
4. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
5. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHOULD BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
6. SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

INSPECTION AND MAINTENANCE GUIDELINES

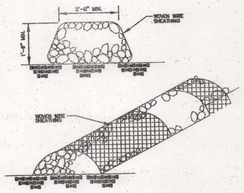
1. INSPECT ALL FENCING WEEKLY, AND AFTER ANY RAINFALL.
2. REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.
3. REPLACE ANY TORN FABRIC OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE TORN SECTION.
4. REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY. IF A SECTION IS OBSTRUCTING VEHICULAR ACCESS, CONSIDER RELOCATING IT TO A SPOT WHERE IT WILL PROVIDE EQUAL PROTECTION, BUT WILL NOT OBSTRUCT VEHICLES. A TRIANGULAR FILTER DIKE MAY BE PREFERABLE TO A SILT FENCE AT COMMON VEHICLE ACCESS POINTS.
5. WHEN CONSTRUCTION IS COMPLETE, THE SEDIMENT SHOULD BE DISPOSED OF IN A MANNER THAT WILL NOT CAUSE ADDITIONAL SILTATION AND THE PRIOR LOCATION OF THE SILT FENCE SHOULD BE REVEGETATED. THE FENCE ITSELF SHOULD BE DISPOSED OF IN AN APPROVED LANDFILL.



TRENCH CROSS-SECTION

SILT FENCE

N.T.S.



ROCK BERM

N.T.S.

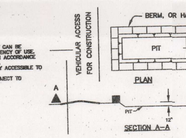
ROCK BERM NOTES

INSTALLATION

1. LAYOUT THE WOVEN WIRE SHEATHING PERPENDICULAR TO THE FLOW LINE. THE SHEATHING SHOULD BE 20 GAUGE WOVEN WIRE MESH WITH 1 INCH OPENINGS.
2. BERM SHOULD HAVE A TOP WIDTH OF 2 FEET MINIMUM WITH SIDE SLOPES BEING 2:1 (H:V) OR FLATTER.
3. PLACE THE ROCK ALONG THE SHEATHING AS SHOWN IN THE DIAGRAM (SEE DETAIL), TO A HEIGHT NOT LESS THAN 18".
4. WRAP THE WIRE SHEATHING AROUND THE ROCK AND SECURE WITH THE WIRE SO THAT THE ENDS OF THE SHEATHING OVERLAP AT LEAST 2 INCHES, AND THE BERM RETAINS ITS SHAPE WHEN WALKED UPON.
5. BERM SHOULD BE BUILT ALONG THE CONTOUR AT ZERO PERCENT GRADE OR AS NEAR AS POSSIBLE.
6. THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.

INSPECTION AND MAINTENANCE GUIDELINES

1. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STREAMBEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE.
2. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED AMMNER THAT WILL NOT CAUSE ANY ADDITIONAL SILTATION.
3. REPAIR ANY LOOSE WIRE SHEATHING.
4. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION.
5. THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
6. THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.



GENERAL NOTES:

1. DETAIL ABOVE ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE ENLARGED IN SIZE DEPENDING ON EXPECTED FREQUENCY OF USE.
2. IF HAY BALES ARE USED, THEY SHALL BE PLACED IN ACCORDANCE WITH DETAILS SHOWN ON SHEET FOR HAY BALES.
3. WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC.
4. WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF.

CONCRETE TRUCK WASHOUT PIT

N.T.S.

GENERAL NOTES:

1. CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASHOUT PIT AND CONSTRUCTION EQUIPMENT AND STORAGE AREA ARE TO BE DETERMINED IN THE FIELD. THEY ARE SHOWN ON THIS PLAN FOR ILLUSTRATION PURPOSES ONLY
2. IF NECESSARY, CONTRACTOR MAY MODIFY STORMWATER CONTROLS TO ACHIEVE THE DESIRED INTENT. ANY CHANGES ARE TO BE NOTED, SIGNED AND DATED BY THE RESPONSIBLE PARTY IN THE TPDES BOOK.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORMWATER CONTROLS.
4. REFER TO TPDES BOOK FOR THIS PROJECT FOR MORE INFORMATION/DETAILS.
5. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY QUESTIONS REGARDING THE INTENT OF THIS PLAN.
6. CONTRACTOR WILL BE RESPONSIBLE FILING ALL NOI'S (NOTICE OF INTENT) AND NOT'S (NOTICE OF TERMINATION) FOR ALL PARTIES REQUIRED FOR THIS PROJECT. REFER TO TPDES FOR PROPER POSTING REQUIREMENTS AND DOCUMENTS.
7. A COPY OF THIS PLAN AND THE TPDES BOOK MUST REMAIN AT THE CONSTRUCTION SITE AT ALL TIMES.
8. BARE SOILS SHOULD BE SEEDED OR OTHERWISE STABILIZED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE THAN 21 DAYS.

SEP 21 2007

NO.	DATE	REVISION	BY

Carter :: Burgess
Consultants in Engineering, Architecture, Construction Management and Related Services
Carter and Burgess, Inc.
811 Central Parkway North, Suite 425
San Antonio, Texas 78232
(210) 545-4329 Fax (210) 545-4505

STATE OF TEXAS
BILLY K. CLASSEN
84604
LICENSED PROFESSIONAL ENGINEER
9/19/07

TEMPORARY STORMWATER ABATEMENT PLAN

MULTI-PURPOSE BUILDING

BRACKEN UNITED METHODIST CHURCH

20377 FM 2252
SAN ANTONIO, TEXAS 78266

DATE: 9/19/2007
DRAWN BY: JH
DESIGNED BY: BKC
CHECKED BY: BKC
REVIEWED BY: BKC
PROJECT NUMBER: 310378.012

SHEET
C3.0

Drawing Name: M:\310378.012 Bracken UMC\dwg\310378012TEMP-SW.dwg Sep 19, 2007 - 9:55am

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

REGULATED ENTITY NAME: Bracken United Methodist Church-Multi-Purpose Building

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

   __ This site will be used for low density single-family residential development and has 20% or less impervious cover.
   __ This site will be used for low density single-family residential development but has more than 20% impervious cover.
   X This site will not be used for low density single-family residential development.

5. X The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be

recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

__ **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.

X 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.**

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

__ If permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, an explanation is provided as **ATTACHMENT C** at the end of this form.

8. 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" or "possibly sensitive" has been addressed.

9. N/A 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.

N/A The permanent sealing of or diversion of flow from a naturally-occurring "sensitive" or "possibly sensitive" feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed for any naturally-

occurring "sensitive" or "possibly sensitive" features on this site.

N/A **ATTACHMENT E - Request to Seal Features.** A request to seal a naturally-occurring "sensitive" or "possibly sensitive" feature, that includes a justification as to why no reasonable and practicable alternative exists, is found at the end of this form. A request and justification has been provided for each feature.

10. 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. X **ATTACHMENT G - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is provided at the end of this form. The plan has been prepared and certified by the engineer designing the permanent BMPs and measures. The plan has been signed by the owner or responsible party. The plan includes procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofits as well as a discussion of record keeping procedures.

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

— Pilot-scale field testing (including water quality monitoring) may be required for BMPs that are not contained in technical guidance recognized by or prepared by the executive director.

— **ATTACHMENT H - Pilot-Scale Field Testing Plan.** A plan for pilot-scale field testing is provided at the end of this form.

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

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

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

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

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

Billy Classen, P.E.
Carter & Burgess, Inc.
Print Name of Customer/Agent

Signature of Customer/Agent

9/19/07
Date

Attachment A – 20% or Less Impervious Cover Waiver

Not Applicable.

Attachment B – BMPs for Upgradient Stormwater

The site is located along the southern border of the Recharge Zone in the Bat Cave region. The site does accept off-site storm water run off. The proposed improvements due accept upstream runoff, however this flow is incidental and minimal in nature. Grass filter strips will be used to treat stormwater runoff. Additionally, existing impervious cover will be treated to account for some of the proposed improvements. The on-site storm water drains through the site and into an un-named tributary of Dry Comal Creek on the south side of FM 2252.

Attachment C – BMPs for On-site Stormwater

Disturbed areas shall be hydromulched upon completion of construction to stabilize the soils. Areas designated as engineered filter strips will be sodded to enhance the establishment of the permanent filter strips.

Attachment D – BMPs for Surface Streams

An existing water will was identified during the Geologic Assessment. Possible pollutants that originate on site will be treated by engineered vegetative filter strips.

Attachment E – Request to Seal Features

Not applicable

Attachment I – Measures for Minimizing Surface Stream Contamination

All surface streams will be protected from erosion by not allowing runoff to exceed existing velocities.

MAINTENANCE PLAN AND SCHEDULE
PERMANENT POLLUTION ABATEMENT MEASURES
BRACKEN UNITED METHODIST CHURCH
MULTI PURPOSE BUILDING

VEGETATIVE FILTER STRIPS

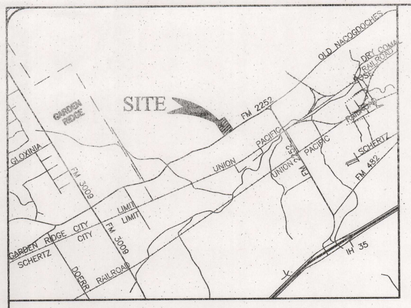
Planted or preserved vegetative filter strips shall be watered until fully established. After heavy rain events of 0.5 inches or greater, an inspection will be performed for erosion, concentrated flow or bare spots. Damaged areas will be repaired within 7 days by placement of seed in the disturbed area or block sod as appropriate. The inspection report form shall be completed and maintained in the office copy of the Water Pollution Abatement Plan for this project.

Periodic inspections shall be performed every 3 months on the filter strips to inspect for the items mentioned above. Attachment G, the inspection reporting form, shall be completed for each inspection and permanent records maintained for all inspections and subsequent corrective actions.

I acknowledge that I have read the above Maintenance Plan and Schedule for Permanent Pollution Abatement Measures.

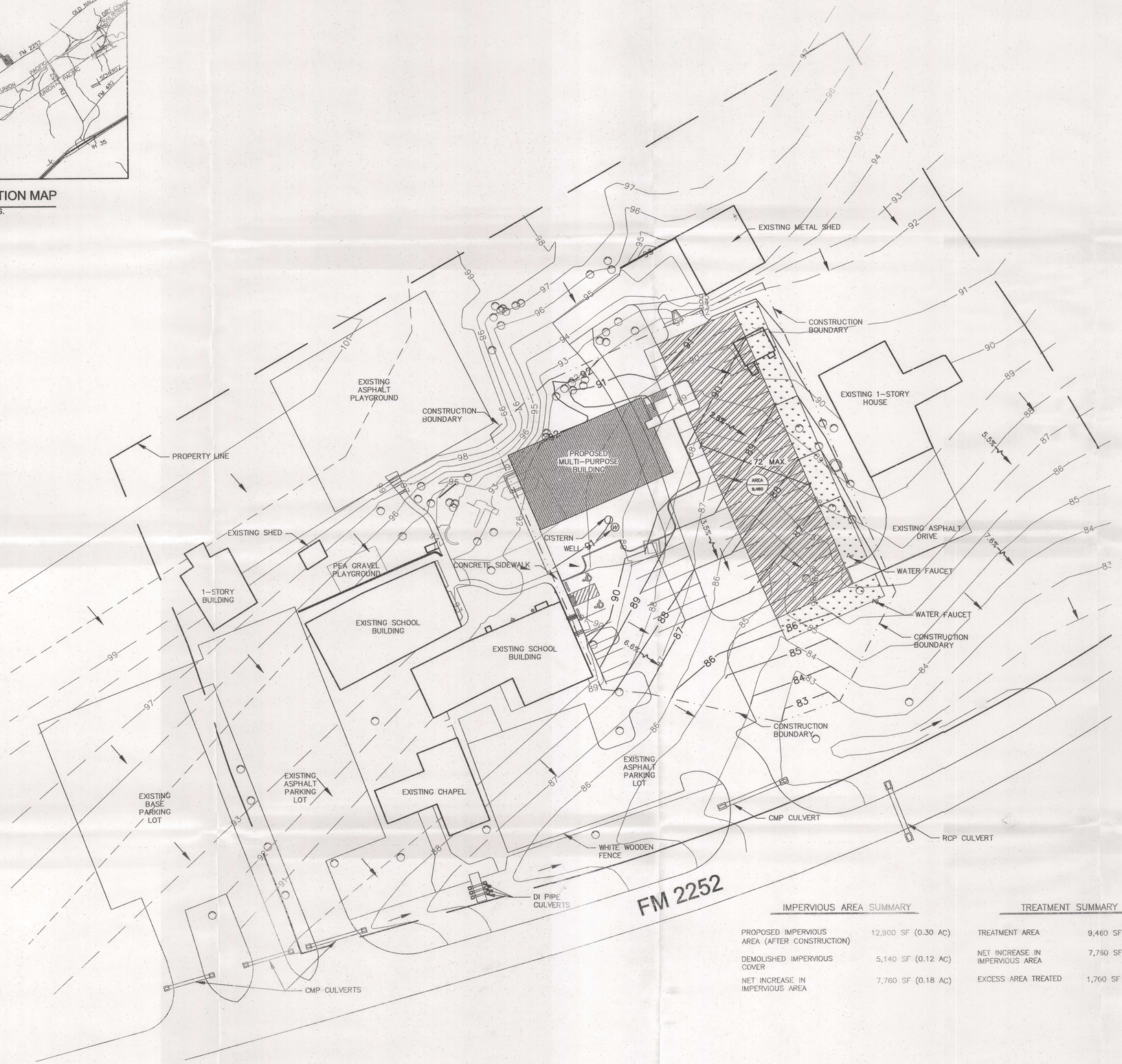
Owner or Responsible Party

13 Sept 2007
Date



SITE LOCATION MAP

N.T.S.



0 15 30 45 60

SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- CONSTRUCTION BOUNDARY
- 90 EXISTING CONTOURS
- 90 PROPOSED CONTOURS
- FLOW ARROW
- 2.0% GRADE ARROW
- SWALE
- ENGINEERED VEGETATED FILTER STRIP (SOLID SOD)
- TREATMENT AREA

A WATER POLLUTION ABATEMENT PLAN IS REQUIRED FOR THIS PROJECT. NO EXCAVATION OR EARTH MOVING ACTIVITIES MAY BEGIN UNTIL THE CONTRACTOR RECEIVES A COPY OF THE APPROVED WPAP FOR A NOTICE TO PROCEED FROM THE ENGINEER. UPON APPROVAL OF THE WPAP, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR TYPE AND PLACEMENT OF STRUCTURAL BMPs THAT MEET THE REQUIREMENTS OF THE TCEQ. THIS WORK SHALL BE PAID FOR UNDER ITEM 5000 "WATER POLLUTION ABATEMENT PLAN".

GENERAL NOTES:

1. CONTRACTOR SHALL ONLY REMOVE TREES NOTED FOR REMOVAL IN THIS PLAN. ALL TREES TO REMAIN SHALL BE PROTECTED BY CONCTRACTOR IN ACCORDANCE WITH CITY OF SAN ANTONIO TREE ORDINANCE AND PERMIT FOR THIS PROJECT.

2. CONTRACTOR SHALL BUILD CONSTRUCTION ROAD AS NEEDED TO ACCESS SITE. CONSTRUCTION ROAD SHALL BE MAINTAINED BY CONTRACTOR UNTIL FINAL ACCEPTANCE OF BUILDING BY OWNER.

3. CONTRACTOR SHALL GRADE SITE AS REQUIRED BY HIS CONSTRUCTION OPERATIONS. ALL TEMPORARY EXCAVATION SHALL BE IN ACCORDANCE WITH OSHA REGULATIONS. FINAL GRADES SHALL BE AS SHOWN ON THIS PLAN.

4. CONCRETE SPLASH PAD, YARD PIPING, SITE PAVING, ETC. NOT SHOWN IN THESE PLANS SHALL BE CONSTRUCTED UNDER SEPERATE CONTRACT.

5. CONTRACTOR SHALL PLACE STOCKPILED ONSITE TOPSOIL IN MINIMUM 4" THICKNESS AND HYDROMULCH AREAS DISTURBED BY CONSTRUCTION UPON COMPLETION OF FINAL GRADING.

IMPERVIOUS AREA SUMMARY

PROPOSED IMPERVIOUS AREA (AFTER CONSTRUCTION)	12,900 SF (0.30 AC)
DEMOLISHED IMPERVIOUS COVER	5,140 SF (0.12 AC)
NET INCREASE IN IMPERVIOUS AREA	7,760 SF (0.18 AC)

TREATMENT SUMMARY

TREATMENT AREA	9,460 SF (0.22 AC)
NET INCREASE IN IMPERVIOUS AREA	7,760 SF (0.18 AC)
EXCESS AREA TREATED	1,700 SF (0.04 AC)

VEGETATIVE FILTER STRIPS

NATURAL FILTER STRIPS

1. THE FILTER STRIP SHOULD EXTEND ALONG THE ENTIRE LENGTH OF THE CONTRIBUTING AREA.
2. THE SLOPE SHOULD NOT EXCEED 10%.
3. THE MINIMUM DIMENSION (IN THE DIRECTION OF FLOW) SHOULD BE 50 FEET.
4. ALL OF THE FILTER STRIP SHOULD LIE ABOVE THE ELEVATION OF THE 2-YR, 3-HR STORM OF ANY ADJACENT DRAINAGE.
5. THERE IS NO REQUIREMENT FOR VEGETATION DENSITY OR TYPE.

ENGINEERED FILTER STRIPS

1. THE FILTER STRIP SHOULD EXTEND ALONG THE ENTIRE LENGTH OF THE CONTRIBUTING AREA AND THE SLOPE SHOULD NOT EXCEED 05%. THE MINIMUM DIMENSION OF THE FILTER STRIP (IN THE DIRECTION OF FLOW) SHOULD BE NO LESS THAN 15 FEET. THE MAXIMUM WIDTH (IN THE DIRECTION OF FLOW) OF THE CONTRIBUTING IMPERVIOUS AREA SHOULD NOT EXCEED 72 FEET. FOR ROADWAYS WITH A VEGETATED STRIP ALONG BOTH SIDES, THE TOTAL WIDTH OF THE ROADWAY SHOULD NOT EXCEED 144 FEET (I.E., 72 FEET DRAINING TO EACH SIDE).
2. THE MINIMUM VEGETATED COVER FOR ENGINEERED STRIPS IS 80%.
3. THE AREA CONTRIBUTING RUNOFF TO A FILTER STRIP SHOULD BE RELATIVELY FLAT SO THAT THE RUNOFF IS DISTRIBUTED EVENLY TO THE VEGETATED AREA WITHOUT THE USE OF A LEVEL SPREADER.
4. THE AREA TO BE USED FOR THE STRIP SHOULD BE FREE OF GULLIES OR RILLS THAT CAN CONCENTRATE OVERLAND FLOW.
5. THE TOP EDGE OF THE FILTER STRIP ALONG THE PAVEMENT WILL BE DESIGNED TO AVOID THE SITUATION WHERE RUNOFF WOULD TRAVEL ALONG THE TOP OF THE FILTER STRIP, RATHER THAN THROUGH IT.
6. TOP EDGE OF THE FILTER STRIP SHOULD BE LANDSCAPED AFTER EITHER PORTIONS OF THE PROJECT ARE COMPLETED.

SEP 21 2007

NO.	DATE	REVISION	BY

Carter :: Burgess
Consultants in Engineering, Architecture, Construction Management and Related Services
Carter and Burgess, Inc.
811 Central Parkway North, Suite 405
San Antonio, Texas 78232
(210) 494-0068 FAX (210) 494-6936
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STATE OF TEXAS
BILLY K. CLASSEN
84604
LICENSED
PROFESSIONAL ENGINEER
9-19-07

PERMANENT STORMWATER ABATEMENT PLAN

MULTI-PURPOSE BUILDING

BRACKEN UNITED METHODIST CHURCH
20377 FM 2252
SAN ANTONIO, TEXAS 78266

DATE: 9/12/2007
DRAWN BY: JH
DESIGNED BY: BKC
CHECKED BY: BKC
REVIEWED BY: BKC
PROJECT NUMBER: 310378.012

SHEET
C4.0

Drawing Name: M:\310378.012 Bracken UMC\dwg\310378012PERM-SW.dwg Sep 19, 2007 - 12:02pm

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

I Reverend MicKey T. McCandless,
Print Name

Pastor
Title - Owner/President/Other

of Bracken United Methodist Church
Corporation/Partnership/Entity Name

have authorized Billy Classen, P.E.
Print Name of Agent/Engineer

of Carter & Burgess, Inc.
Print Name of Firm

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

I also understand that:

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

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

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

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

Applicant's Signature

Date 13 Sept 2007

THE STATE OF Texas §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Mickey McCombs 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 13 day of Sept. 2007

NOTARY PUBLIC

Suzanne Delamain

Typed or Printed Name of Notary

MY COMMISSION EXPIRES:

NOTARY PUBLIC STATE OF TEXAS
SUZANNE DELAMAIN
Notary Public, State of Texas
My Commission Expires 12-01-09

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

NAME OF PROPOSED REGULATED ENTITY: **Bracken United Methodist Church-Multi-Purpose Building**
REGULATED ENTITY LOCATION: **Approx 2 miles N of the intersection of FM2252 and FM3009**
NAME OF CUSTOMER: **Bracken United Methodist Church**
CONTACT PERSON: **Mickey McCandless** PHONE: **830.606.6717**
(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
☐ Kinney
☐ Medina
☐ 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):

☒ **SAN ANTONIO REGIONAL OFFICE**
☐ **Mailed to TCEQ**:
TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

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

Type of Plan	Size		Fee Due
Water Pollution Abatement, One Single Family Residential Dwelling		Acres	$
Water Pollution Abatement, Multiple Single Family Residential and Parks		Acres	$
Water Pollution Abatement, Non-residential	4.90	Acres	$ 3,000
Sewage Collection System		L.F.	$
Lift Stations without sewer lines		Acres	$
Underground or Aboveground Storage Tank Facility		Tanks	$
Piping System(s)(only)		Each	$
Exception		Each	$
Extension of Time		Each	$

Signature

9/19/07
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 §213.14 (effective 11/14/97) & 30 TAC §213.9 (effective 6/1/99)

Water Pollution Abatement Plans and Modifications

PROJECT	PROJECT AREA IN ACRES	FEE
One Single Family Residential Dwelling	<5	$500
Multiple Single Family Residential and Parks	<5 5 < 10 10 < 50 ≥50	$1,000 $2,000 $3,000 $5,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1 1 < 5 5 < 10 ≥10	$2,000 $3,000 $4,000 $5,000

Organized Sewage Collection Systems and Modifications

PROJECT	COST PER LINEAR FOOT	MINIMUM FEE MAXIMUM FEE
Sewage Collection Systems	$0.50	$500 - $5,000

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	$500	$500 - $5,000

Exception Requests

PROJECT	FEE
Exception Request	$250

Extension of Time Requests

PROJECT	FEE
Extension of Time Request	$100

TCEQ Core Data Form

TCEQ Use Only

If you have questions on how to fill out this form or about our Central Registry, please contact us at 512-239-5175.

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.

SECTION I: General Information

1. Reason for Submission *Example: new wastewater permit; IHW registration; change in customer information; etc.*

Water Pollution Abatement Plan Application

2. Attachments				Describe Any Attachments: *(ex: Title V Application, Waste Transporter Application, etc.)*
X	YES		NO	WPAP Application

3. Customer Reference Number-*if issued*			4. Regulated Entity Reference Number-*if issued*		
CN		*(9 digits)*	RN		*(9 digits)*

SECTION II: Customer Information

5. Customer Role ***(Proposed or Actual)*** **-- As It Relates to the Regulated Entity Listed on This Form**

Actual owner / Operator

Please check one of the following:		Owner		Operator	X	Owner and Operator
	Occupational Licensee		Volunteer Cleanup Applicant			Other
TCEQ Use Only		**Superfund**		**PST**		**Respondent**

6. General Customer Information

X	New Customer		Change to Customer Information
	Change in Regulated Entity Ownership		No Change *

***If ANo Change@ and Section I is complete, skip to Section III - Regulated Entity Information.**

7. Type of Customer:		Individual		Sole Proprietorship - D.B.A.
	Partnership		Corporation		Federal Government
	State Government		County Government		City Government
	Other Government –		Other:	**Church**	

8. Customer Name *(If an individual, please print last name first)*	*If new name, enter previous name:*
Bracken United Methodist Church	

9. Mailing Address:	**20377 FM 2252**			
	City	State	ZIP	ZIP + 4
	San Antonio	**TX**	**78266**	

10. Country Mailing Information *if outside USA*	11. E-Mail Address *if applicable*

12. Telephone Number	13. Extension or Code	14. Fax Number *if applicable*
(8300) 606-6717		(830) 606-2368

15. Federal Tax ID *(9 digits)*	16. State Franchise Tax ID Number *if applicable*	17. DUNS Number *if applicable* *(9 digits)*
	3-01139-6392-7	

18. Number of Employees										19. Independently Owned and Operated?			
X	0-20		21-100		101-250		251-500		501 and higher		Yes		No

SECTION III: Regulated Entity Information

20. General Regulated Entity Information

X	New Regulated Entity		Change to Regulated Entity Information		No Change*

*If "No Change" and Section I is complete, skip to Section IV - Preparer Information.

21. Regulated Entity Name *(If a[redacted]dividual, please print last name first)* [redacted]				
Bracken United Methodist Church				
22. Street Address (No PO Boxes)	**20377 FM 2252**			
	City	State	ZIP	ZIP + 4
	San Antonio	**TX**	**78266**	
23. Mailing Address	**P.O. Box -----**			
	City	State	ZIP	ZIP + 4
24. E-Mail Address:	**N/A**			

25. Telephone Number	**26. Extension or Code**	**27. Fax Number** *if applicable*
(830)606-6717		**(830) 606-2368**

28. Primary SIC Code (4 digits)	**29. Secondary SIC Code** (4 digits)	**30. Primary NAICS Code** (5 or 6 digits)	**31. Secondary NAICS Code** (5 or 6 digits)
8661		**813110**	

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

Methodist Church and associated ministries

Questions 33 - 37 address geographic location. Please refer to the instructions for applicability.

33. County	**Comal**

34. Description of Physical Location

Located on FM 2252 approximately 2 miles north of the intersection of FM 2252 and FM 3009

35. Nearest City	**State**	**Nearest Zip**
Garden Ridge	**TX**	**78266**

36. Latitude (N)			*37. Longitude (W)*		
Degrees	*Minutes*	*Seconds*	*Degrees*	*Minutes*	*Seconds*
29	**37**	**49**	**98**	**16**	**27**

38. TCEQ Programs In Which This Regulated Entity Participates *Not all programs have been listed. Please add to this list as needed. If you don't know or are unsure, please mark "Unknown".* If you know a permit or registration # for this entity, please write it below the program."

	Animal Feeding Operation		Petroleum Storage Tank		Water Rights
	Title V - Air		Wastewater Permit		
	Industrial & Hazardous Waste		Water Districts		
	Municipal Solid Waste		Water Utilities		Unknown
	New Source Review - Air		Licensing - TYPE(s)		

Section IV: Preparer Information

39. Name	**40. Title**
Billy K. Classen, P.E.	Associate

41. Telephone Number	**42. Extension or Code**	**43. Fax Number** *if applicable*
(210) 494-0088		**(210) 494-4525**

44. E-mail Address:	**Billy.Classen@c-b.com**