TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 14, 2007

Mr. Timothy Caletka
Cellco Partnership, dba Verizon Wireless
5804 Tri County Parkway
Schertz, Texas 78154

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: Verizon Wireless Cell Tower - FM 1863; Located on the north side of Krueger Canyon Road, 0.15 miles south of FM 1863; New Braunfels ETJ, Texas
TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer
Edwards Aquifer Protection Program No. 2645.00; Investigation No. 557111; Regulated Entity No. RN105203954

Dear Mr. Caletka:

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 Bleyl and Associates on behalf of Cellco Partnership, dba Verizon Wireless on April 13, 2007. Final review of the WPAP was completed after additional material was received on June 6, 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.*

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 0.21 acres. It will include a cellular phone tower, equipment shelter, associated pavement, pervious driveway and an engineered filter strip. The impervious cover will be 0.1194 acres (57%). No wastewater will be generated by the project.

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, an engineered filter strip will be constructed to treat stormwater runoff. The individual treatment measures will consist of an engineered filter strip, 15 feet in width and a vegetated cover of greater than 80%, which extends the length of the contributing impervious cover. The approved measures meet the required 80 percent removal of the increased load in total suspended solids caused by the project.

GEOLOGY

According to the geologic assessment included with the application, no geologic or manmade features were discovered at the project site. The San Antonio Regional Office did not conduct a site assessment.

SPECIAL CONDITIONS

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

II. The engineered filter strip shall be operational prior to the operation of the tower.

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. No wells exist on site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.

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

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

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

After Completion of Construction:

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

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

property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.

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

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

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

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

Sincerely,

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/*eg*

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

cc: Mr. Kenny Watkins, P.E., Bleyl and Associates
Mr. Robert Potts, Edwards Aquifer Authority
Mr. Tom Hornseth, P.E., Comal County
TCEQ Central Records, Building F, MC 212

WATER POLLUTION ABATEMENT PLAN

FOR

VERIZON WIRELESS CELL TOWER
FM 1863
2650 KRUEGER CANYON
NEW BRAUNFELS, TEXAS

Prepared For:

Cellco Partnership, dba Verizon Wireless
5804 Tri County Parkway
Schertz, TX 78154

Prepared By:

Bleyl and Associates
1715 Capital of Texas Highway South
Suite 109
Austin, TX 78746
B&A Project #5073

April 2007

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Suite 109
Austin, TX 78746
B&A Project #5073

April 2007

4/10/07

GENERAL INFORMATION FORM

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: Verizon Wireless Cell Tower – FM 1863
COUNTY: Comal STREAM BASIN: 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: Timothy J. Caletka
Entity: Cellco Partnership, dba Verizon Wireless
Mailing Address: 5804 Tri County Parkway
City, State: Schertz, Texas Zip: 78154
Telephone: (210) 834-1664 Fax: (210) 871-6366

Agent/Representative (If any): Bleyl and Associates

Contact Person: Kenny Watkins, P.E.
Entity: Bleyl and Associates
Mailing Address: 1715 Capital of Texas Highway South, Suite 109
City, State: Austin Zip: 78746
Telephone: (512) 328-7878 Fax: (512) 328-7884

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

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

The project address is 2650 Krueger Canyon Road, New Braunfels, Texas. To access the site, IH 35 on the south side of New Braunfels, go north on Loop 337. Turn northwest on Highway 46, then turn west on FM 1863. At the intersection of Krueger Canyon, turn south and proceed approximately ¼ mile. Look for a green gate in the fence on the left, with the property sloping away from the gate in a downward direction. The site is behind the large oak tree behind the gate approximately 125 feet beyond the gate. The site is located within a cleared area inside a rural homestead.

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

5. X **ATTACHMENT B - USGS / EDWARDS RECHARGE ZONE MAP**. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached behind this sheet. The map(s) should clearly show:

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

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

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

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

PROHIBITED ACTIVITIES

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

   (1) waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
   (2) new feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
   (3) land disposal of Class I wastes, as defined in 30 TAC §335.1;
   (4) the use of sewage holding tanks as parts of organized collection systems; and
   (5) new municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).

10. 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:

Kenny Watkins, P.E./Agent

Print Name of Customer/Agent

Kenny Watkins

Signature of Customer/Agent

April 3, 2007

Date

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

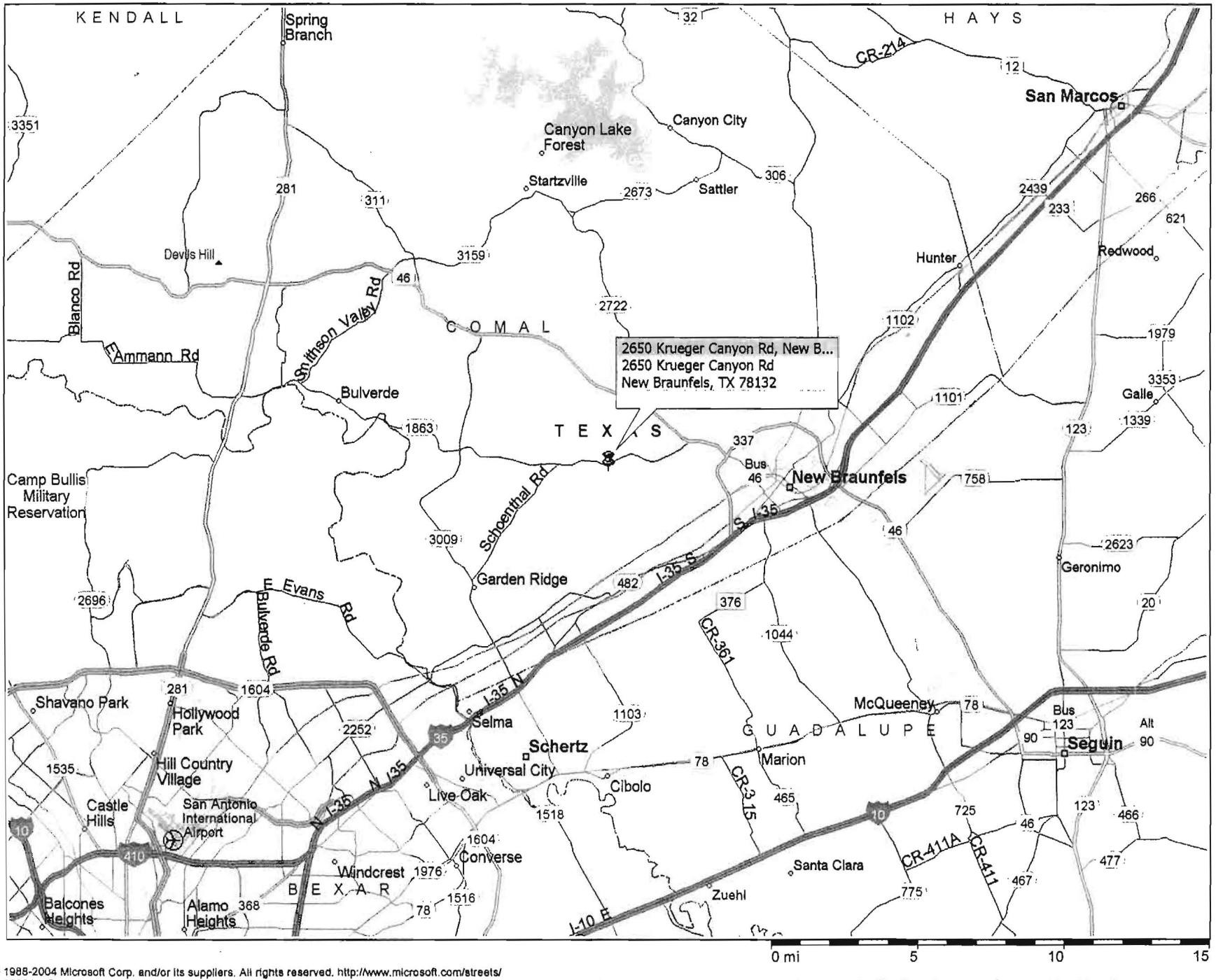
Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

ATTACHMENT A

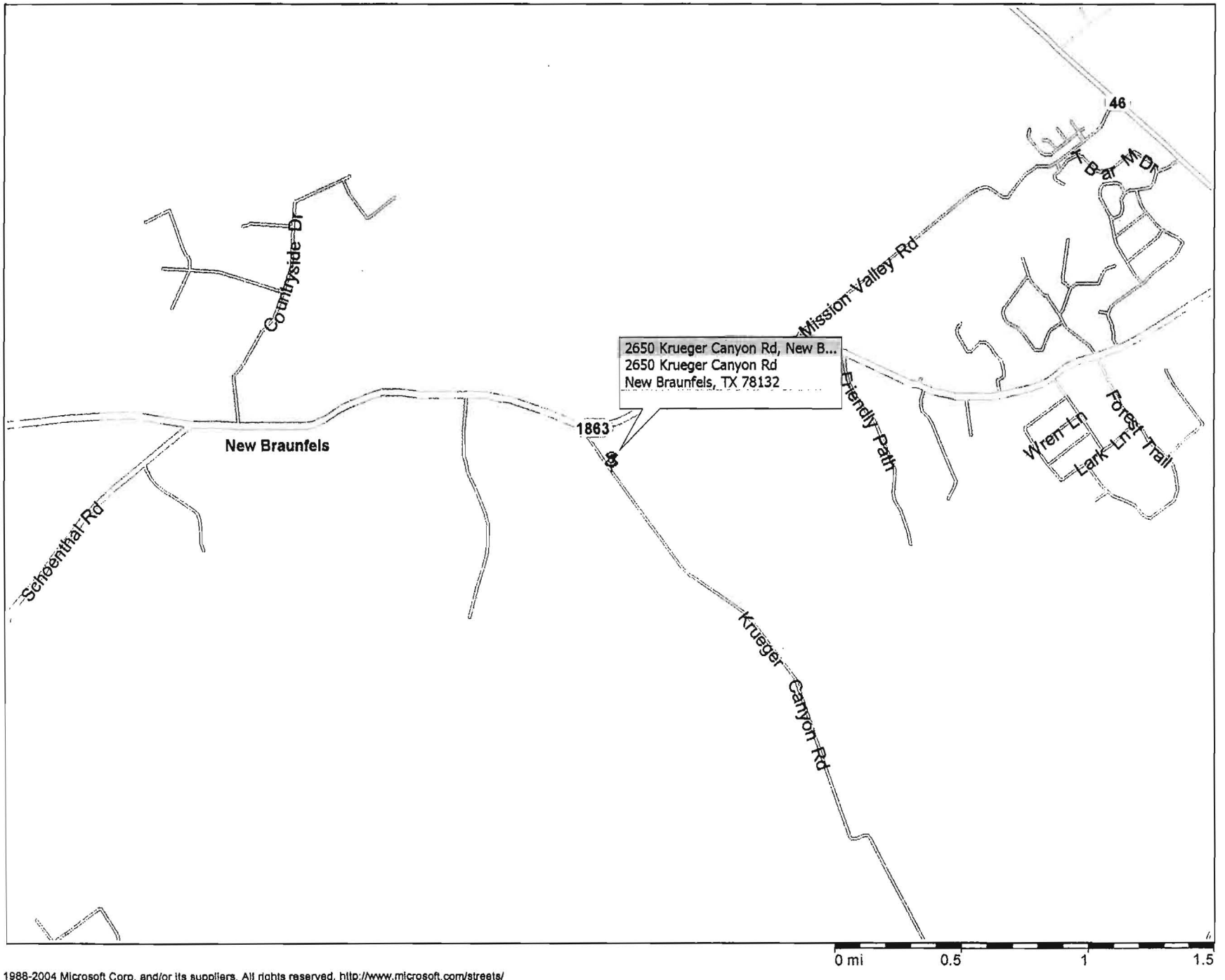
Road Map

A road map showing the location of and the directions to the site is attached.

New Braunfels, Texas



New Braunfels, Texas

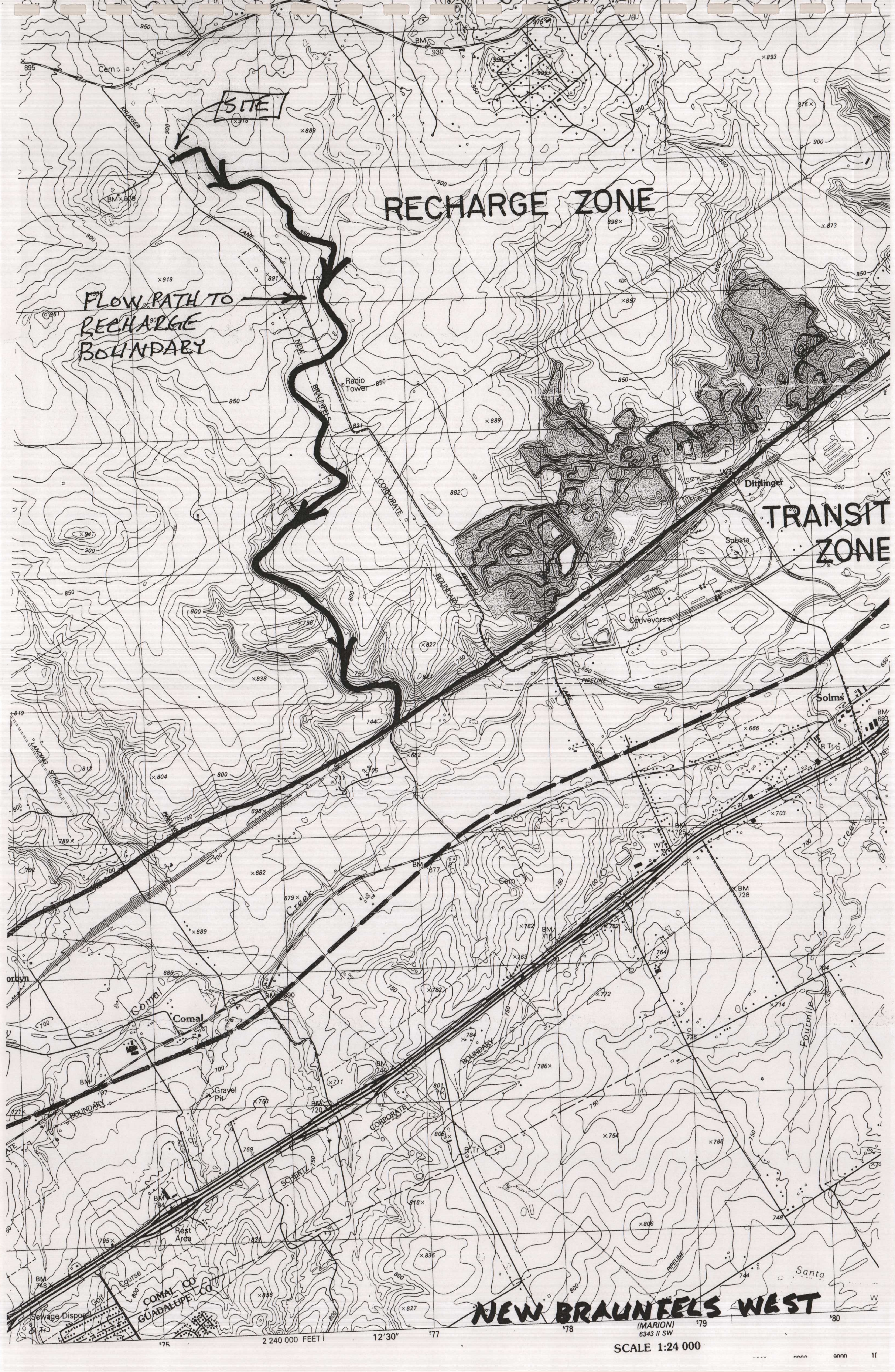


ATTACHMENT B

USGS/Edwards Recharge Zone Map

A scaled map showing the referenced information is attached:

- Project site
- USGS Quadrangle Name
- Boundaries of the Recharge/Transition Zone
- Drainage path from the project to the boundary of the Recharge Zone


SITE
RECHARGE ZONE
FLOW PATH TO RECHARGE BOUNDARY
TRANSIT ZONE
NEW BRAUNFELS WEST
(MARION)
6343 II SW
SCALE 1:24 000
Radio Tower
Dittlinger
Solms
Comal
Conveyors
CORPORATE BOUNDARY
Gravel Pit
Rest Area
COMAL CO
GUADALUPE CO
2 240 000 FEET
12'30"

ATTACHMENT C

Project Description

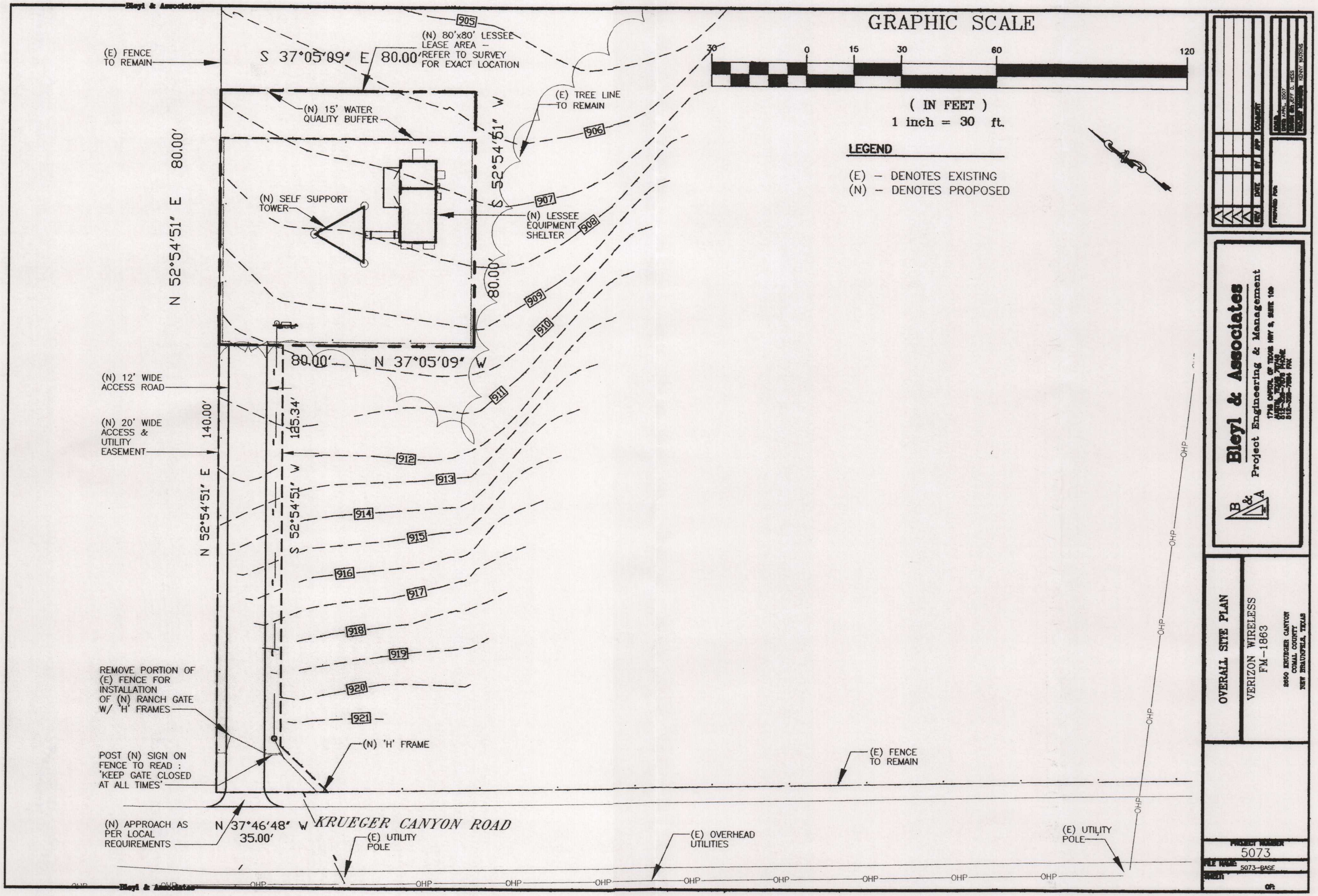
The subject tract is located within the Dry Comal Creek Watershed within the Edwards Aquifer Recharge Zone. The general site location is southwest of New Braunfels, Texas, with the site address of 2650 Krueger Canyon Road in the ETJ of New Braunfels in Comal County. This location is approximately 0.25 miles south of the intersection of Krueger Canyon Road and FM 1863, which is generally southwest of the intersection of State Highway 46 and FM 1863. The site is located within a rural hill country residential property typical of acreage tracts within the area.

The proposed site to be developed contains no existing improvements or impervious cover. The lease space area for the cell tower improvements totals 6,400 square feet (80' x 80') of land out of a 190.8 acre tract of land recorded in Volume 136, Page 46 D.R.C.C.T. of Comal County, Texas. Additionally, a 20 foot wide utility and access easement which totals 2,906 square fee of land, approximately 140 feet in length has been leased to provide access to the site from Krueger Road. The lease tract and surrounding land is composed of grass maintained by the existing landowner. No trees exist within the lease space area or in the existing paved access easement.

Proposed site impervious cover is 56.86%. The proposed development includes a single equipment shelter consisting of 303 square feet on a concrete foundation and a tri-tower constructed on 3 concrete footings of approximately 60 square feet, and the remainder of the site, exclusive of the proposed vegetative filter strip located north and downstream of the proposed improvements, covered in crushed stone placed inside the fenced lease space. The crushed stone will be placed above a 6 mil weed barrier, over 6" compacted base material over a compacted subgrade. The crushed stone material used to provide an all weather access road 12 feet in width centered within the 20 foot access and utility easement to the lease space will be constructed using non compacted gravel placed on the surface and will not constitute impervious cover. The rock used for this application is typically 1-2 inches in diameter and is loosely placed on the ground without a compaction effort. The lease area, with the exception of the access easement and the filter strip area, will be enclosed in a security fence. The fenced lease space will be graded from south to north in order to discharge runoff over a 15 foot wide vegetative filter strip. The final property grades will be from south to north, which matches the general existing slope of the property. Finished grade elevations for the gravel surface are shown on the site plan. No part of the tract proposed for development lies within the 100 year floodplain per existing Flood Insurance Rate Maps. The vegetative filter strip is proposed on the lower southern side of the lease area, downstream of the proposed improvements.

The proposed improvements will drain overland across the proposed filter strip, then across existing vegetation until reaching an unnamed tributary of Dry Comal Creek, then within Dry Comal Creek until reaching the boundary of the Edwards Aquifer Recharge Zone. The length of overland travel prior to reaching the unnamed tributary is

approximately 800 feet, and the total distance prior to exiting the recharge zone is approximately 20,000 feet. The average slope prior to leaving the recharge zone is approximately 1.15%. Grass cover on the overland reach downgradient of the filter strip prior to entering the tributary is good. Permanent BMP's are proposed as noted for the proposed impervious cover increase.


Bleyl & Associates
GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.
LEGEND
(E) - DENOTES EXISTING
(N) - DENOTES PROPOSED
(E) FENCE TO REMAIN
S 37°05'09" E 80.00'
(N) 80'x80' LESSEE LEASE AREA - REFER TO SURVEY FOR EXACT LOCATION
(N) 15' WATER QUALITY BUFFER
(E) TREE LINE TO REMAIN
N 52°54'51" E 80.00'
S 52°54'51" W 80.00'
(N) SELF SUPPORT TOWER
(N) LESSEE EQUIPMENT SHELTER
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
80.00' N 37°05'09" W
(N) 12' WIDE ACCESS ROAD
(N) 20' WIDE ACCESS & UTILITY EASEMENT
N 52°54'51" E 140.00'
S 52°54'51" W 135.34'
REMOVE PORTION OF (E) FENCE FOR INSTALLATION OF (N) RANCH GATE W/ 'H' FRAMES
(N) 'H' FRAME
POST (N) SIGN ON FENCE TO READ : 'KEEP GATE CLOSED AT ALL TIMES'
(E) FENCE TO REMAIN
(N) APPROACH AS PER LOCAL REQUIREMENTS
N 37°46'48" W 35.00'
KRUEGER CANYON ROAD
(E) UTILITY POLE
(E) OVERHEAD UTILITIES
(E) UTILITY POLE
OHP
Bleyl & Associates
Project Engineering & Management
OVERALL SITE PLAN
VERIZON WIRELESS
FM-1863
2650 KRUEGER CANYON
COMAL COUNTY
NEW BRAUNFELS, TEXAS
PROJECT NUMBER
5073
FILE NAME 5073-BASE
SHEET
OF

C:\BBA JOB DIRECTORY\5000's\5073\5073-BASE.dwg, 4/10/2007 9:05:07 AM

Bleyl & Associates

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

(E) FENCE TO REMAIN

S 37°05'09" E 80.00'

(N) 80' LESSEE LEASE AREA

(N) 78' FENCED AREA

1' 40' 40' 1'

(N) 15' WATER QUALITY BUFFER

(N) CHAIN-LINK FENCE W/ 3 STRANDS OF BARBED WIRE

REFER TO SITE DEVELOPMENT & FINISHING NOTES - SHEET N1

(N) SELF SUPPORT TOWER

(N) 12'-6"x5'-0" CONCRETE STOOP

PROPOSED 11'-6" X 23' EQUIPMENT SHELTER

(E) TREE LINE TO REMAIN

N 52°54'51" E 80.00'

(N) 80' LESSEE LEASE AREA

(N) 64'-0" FENCED AREA

45' 35'

S 52°54'51" W 80.00'

(N) CHAIN-LINK FENCE W/ 3 STRANDS OF BARBED WIRE

18'

(N) PAIR CHAIN-LINK GATES W/ 3 STRANDS OF BARBED WIRE

1' 3'

80.00' N 37°05'09" W

(N) 12' WIDE ACCESS ROAD

(N) 20' WIDE ACCESS & UTILITY EASEMENT

140.00'

N 52°54'51" E

S 52°54'51" W 125.34'

905 906 907 908 909 910 911 912 913 914 915 916 917

LEGEND

(E) - DENOTES EXISTING
(N) - DENOTES PROPOSED

Bleyl & Associates
Project Engineering & Management
1218 CENTRAL OF TEXAS HWY 6, SUITE 100
AUSTIN, TEXAS 78664
512-263-2101
512-263-2165, FAX

SITE PLAN

VERIZON WIRELESS
FM-1863
9850 KRUEGER CANYON
COMAL COUNTY
NEW BRAUNFELS, TEXAS

PROJECT NUMBER 5073
FILE NAME 5073-BASE
SHEET SP

C:\BGA JOB DIRECTORY\5000's\5073\5073-BASE.dwg, 4/10/2007 8:05:44 AM

GENERAL NOTES:

1. CARE SHALL BE TAKEN TO LOCATE ALL EXISTING UNDERGROUND OBSTRUCTIONS, UTILITIES AND/OR EASEMENTS BEFORE DIGGING OR DRILLING ON THE SITE.

2. UTILITY CHECK – BEFORE COMMENCING ANY WORK AT THE SITE, CONTACT TEXAS ONE CALL SYSTEM (1-800-245-4545) AND/OR POWER ENGINEERING SERVICES – INDEPENDENT LOCATOR (210-590-4935). ALLOW A MINIMUM OF 48 HOURS BETWEEN CONTACT TIME AND ANTICIPATED START OF WORK.

3. CARE SHALL BE TAKEN TO PROTECT THE SITE AND THE SURROUNDING AREA FROM FIRE HAZARD DURING 'HOT' OPERATIONS. ADEQUATE EQUIPMENT, PERSONNEL AND EMERGENCY COMMUNICATIONS SHALL BE PROVIDED TO PROTECT LIFE AND PROPERTY IN AND SURROUNDING THE CONSTRUCTION SITE.

4. ALL EXCAVATIONS SHALL BE BARRICADED FOR PERSONNEL PROTECTION AND CONCRETE PIERS SHALL BE FILLED BY END OF DAY.

5. VERIFY REQUIREMENTS OF OTHER TRADES PRIOR TO PROCEEDING WITH FABRICATION OR INSTALLATION OF MATERIALS.

6. COMPLETE SHOP DRAWINGS SHALL BE PROVIDED FOR ALL FABRICATED ITEMS FOR REVIEW PRIOR TO FABRICATION. DRAWINGS CONTAINED IN THESE CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS.

7. ALL WORK SHALL BE ACCOMPLISHED AS PER ALL APPLICABLE STATE, LOCAL AND NATIONAL CODES CURRENT THESE CODES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

   UNIFORM BUILDING CODE (OR LOCAL ACCEPTED CODE)
   THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION–
   SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS
   THE AMERICAN CONCRETE INSTITUTE–
   BUILDING CODE REQUIREMENTS OF REINFORCED CONCRETE
   AMERICAN WELDING SOCIETY–
   STRUCTURAL WELDING CODE– STEEL
   TOWER DESIGN– STANDARD PER EIA/TIA–
   222-F SPECIFICATIONS

8. VERIFY ALL EXISTING SITE CONDITIONS, QUANTITIES AND DIMENSIONS BEFORE STARTING WORK. NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK.

9. ALL BIDDERS SHALL VISIT THE SITE BEFORE BIDDING TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS.

10. THE BUILDER/SUBCONTRACTOR SHALL BE RESPONSIBLE WITH NO ADDITIONAL COSTS TO THE OWNER/LESSOR/PROJECT MANAGEMENT TEAM FOR ALL FEES, PERMITS, INSPECTION FEES RELATED TO THIS PROJECT, OR SEE THAT ANY AND ALL SUCH CHARGES ARE PAID BY THE RESPECTIVE SUBCONTRACTORS ASSOCIATED WITH THIS PROJECT.

11. THIS BUILDER/SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING FACILITIES AND SHALL REPLACE OR REPAIR TO THE ORIGINAL CONDITION AS DETERMINED BY THE PROJECT MANAGER.

12. CUT AND PATCH ANY AREAS WHERE REQUIRED BY THE SCOPE OF THIS PROJECT. MATCH EXISTING WORK AND MATERIALS EVEN IF SUCH WORK FALLS OUTSIDE OF THE LIMITS OF THIS CONTRACT.

13. THE OWNER OF THE SITE RETAINS SALVAGE RIGHTS TO ALL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING WORK. MATERIALS AND EQUIPMENT NOT CLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE BUILDER/SUBCONTRACTOR WHO SHALL ASSUME COMPLETE RESPONSIBILITY FOR THE REMOVAL AND APPROPRIATE DISPOSAL THEREOF.

14. DIMENSIONS NOTED AS '+/-' OR 'VERIFY' ARE BASED ON MATCHING EXISTING CONDITIONS AND MAY VARY SLIGHTLY FROM THE DIMENSIONS AS SHOWN. NOTIFY THE PROJECT MANAGER IF SIGNIFICANT VARIATIONS ARE ENCOUNTERED AT THE SITE.

15. DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT NO DISRUPTION OF EXISTING FACILITY OPERATIONS WILL OCCUR.

16. THE NATURE OF THE SITE RELATED ACTIVITIES REQUIRES THAT ACCESS TO THE SITE MUST BE MANAGED AT ALL TIMES DURING HOURS OF OPERATION AND WHEN THE SITE IS UNATTENDED. WORK WITH THE OWNERS REPRESENTATIVE FOR SAFETY AND SECURITY AT ALL TIMES.

17. CONTRACTORS SHALL BE REQUIRED TO PICK UP ALL OWNER SUPPLIED EQUIPMENT AS DIRECTED BY THE PROJECT MANAGER WITH NO ADDITIONAL COST TO THE JOB.

SITE DEVELOPMENT & FINISHING NOTES:

1. DIGGING AND EXCAVATION – HAND DIG ALL EXCAVATIONS AND TRENCHES IN AREAS SUSPECTED TO CONTAIN EXISTING GROUNDING CONDUCTORS, GROUND RODS, POWER/TELCO CABLES OR OTHER BURIED UTILITIES.

2. LESSEE SITE FINISH STANDARD – PROVIDE A MINIMUM 4" THICK LAYER OF CRUSHED STONE (TEXAS AGGREGATE, APPROX. 1" DIAMETER W/O FINES). OVER 8 MIL WEED BARRIER, OVER 8" COMPACTED BASE FILL MATERIAL EQUAL TO T.S.D.H.P.T., SPEC. #247, TYPE A, GRADE 1 OR 2 COMPACTED TO 95% PROCTOR DENSITY. OVER 8 MIL WEED BARRIER, OVER A COMPACTED SUB-GRADE THAT WAS SCARIFIED AND RECOMPACTED TO 95% PROCTOR DENSITY.

3. REPAIR/REPLACE – AT NO ADDITIONAL EXPENSE TO THIS CONTRACT, ANY CONSTRUCTION RELATED DAMAGE TO ANY EXISTING SITE ELEMENTS OR FINISHES WITHIN CONSTRUCTION AREA AND ALONG ROUTES TO THE WORK AREA, HOWEVER INCIDENTAL TO THE PROSECUTION OF THE WORK, SHALL BE PUT IN A PRECONSTRUCTION CONDITION TO THE SATISFACTION OF THE LESSEE'S PROJECT MANAGER.

4. BACKFILL – ALL BORROWED FILL MATERIAL SHALL BE EQUAL TO T.S.D.H.P.T., SPEC. #247, TYPE A, GRADE 1 OR 2, COMPACTED TO 95% PROCTOR DENSITY. WHERE TRENCHING IS REQUIRED BACKFILLING WITH MATERIALS EXCAVATED FROM THE TRENCH WILL BE PERMITTED UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER. ALL TRENCH BACK FILLING SHOULD BE COMPACTED IN LIFTS NOT TO EXCEED 8" COMPACTED DEPTH AND TO 95% PROCTOR DENSITY FLUSH TO THE SURFACE OF THE FINISHED COMPACTED SUB-GRADE.

verizonwireless

DATE: JAN 03 2007

EXP. DATE: 02/28/07

FM 1863
202907B
2650 KRUEGER CANYON, NEW BRAUNFELS, TX 78132

ARCHCOMM, INC. - ARCHITECTS
1840 Lockhill-Selma, Suite 101
San Antonio, Texas 78213
(210)308-9905

SHEET TITLE
GENERAL NOTES

SHEET HISTORY
12.27.06 ISSUE FOR CONSTRUCTION
1.
2.
3.
4.

N1

VA065734

I:\VerizonArchComm\FM 1863-VA065734\VA065734-N1 GENERAL NOTES.dwg, 12/27/2006 2:44:26 PM, mlopez

GEOLOGIC ASSESSMENT FORM

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: FM 1863 (Verizon Tower)

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

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

PROJECT INFORMATION

1. ✓ Geologic or manmade features are described and evaluated using the attached **GEOLOGIC ASSESSMENT TABLE.** (no features found on site)

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

Soil Units, Infiltration Characteristics & Thickness		
Soil Name	Group*	Thickness (feet)
Comfort-Rock outcrop complex, undulating	D	~1

* 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. ✓ A **STRATIGRAPHIC COLUMN** is attached at the end of this form that shows formations, members, and thicknesses. The outcropping unit should be at the top of the stratigraphic column.

4. ✓ A **NARRATIVE DESCRIPTION OF SITE SPECIFIC GEOLOGY** is attached at the end of this form. The description must include a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure, and karst characteristics of the site.

5. ✓ Appropriate **SITE GEOLOGIC MAP(S)** are attached:

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

Applicant's Site Plan Scale 1" = 30'
Site Geologic Map Scale 1" = 30'
Site Soils Map Scale (if more than 1 soil type) 1" = _____'

6. ✓ Method of collecting positional data:
Global Positioning System (GPS) technology.

__ Other method(s).

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

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

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

10. ✓ The Recharge Zone boundary is shown and labeled, if appropriate.

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

✓ There are 2 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.) both are geotech. borings,
✓ The wells are not in use and have been properly abandoned. 30ft deep;
__ The wells are not in use and will be properly abandoned. properly plugged.
__ The wells are in use and comply with 16 TAC §76.
__ There are no wells or test holes of any kind known to exist on the project site.

ADMINISTRATIVE INFORMATION

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

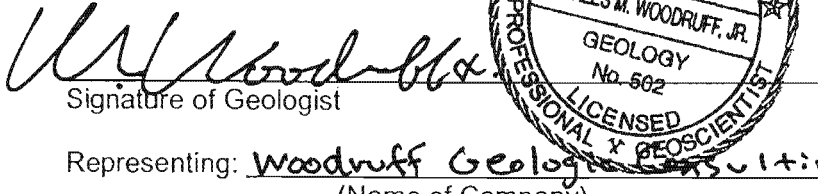
Date(s) Geologic Assessment was performed: 3-19-07
Date(s)

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

Charles M. Woodruff, Jr., Ph.D.
Print Name of Geologist

512-480-0335
Telephone

512-472-2055
Fax



Signature of Geologist

3-23-07
Date

Representing: Woodruff Geological Consulting, Inc.
(Name of Company)

If you have questions on how to fill out this form or about the Edwards Aquifer Protection Program, please contact us at 512/939-2929 (Austin) or 210/403-4024 (San Antonio).

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.

STRATIGRAPHIC COLUMN—FM 1863 (VERIZON TOWER)

Cretaceous Bedrock

Kep—Person Formation (Edwards Group): Limestone and dolomite, mostly hard and dense with bedding ranging from thin flags to medium bedded slabs. Solution openings occur locally within this unit, total thickness in this area is about 150 ft. It composes an important part of the Edwards aquifer.

NARRATIVE SITE GEOLOGY— FM 1863 (VERIZON TOWER)

The overall site consists of about 0.15 acre of sloping terrain (general slope of the site is about 4 percent inclined to the northeast) in a rural area of western Comal County. The overall relief of the tract is about 4 ft. The tract has been cleared of most understory plants and consists of an open area with scattered live oak trees. Limestone outcrops (Edwards Group, Person Formation) occur on site, but most of the tract is covered by broken rock. The Person Formation composes the upper member of the Edwards Group, and it is an important part of the Edwards aquifer. Karst features occur within this unit, but no evidence for such features were found on the site. Soil is stony, and is mapped in the Comal County Soil Survey as Comford-Rock outcrop complex, undulating, which is described as only about 13 inches thick. However, geotechnical logs show soil extending to a depth of about 5 ft. This anomalous thickness may include a section of weathered rock. Given the absence of any indication of karst voids or drainage features, recharge beneath this site is not deemed to be significant.

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: FM 1863 (Verizon Tower)

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)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z		10						<40	≥40	<1.6	≥1.6	
No Features Found on Site																				

* DATUM:

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

STATE OF TEXAS
CHARLES M. WOODRUFF, JR.
GEOLOGY
No. 502
LICENSED
PROFESSIONAL GEOSCIENTIST

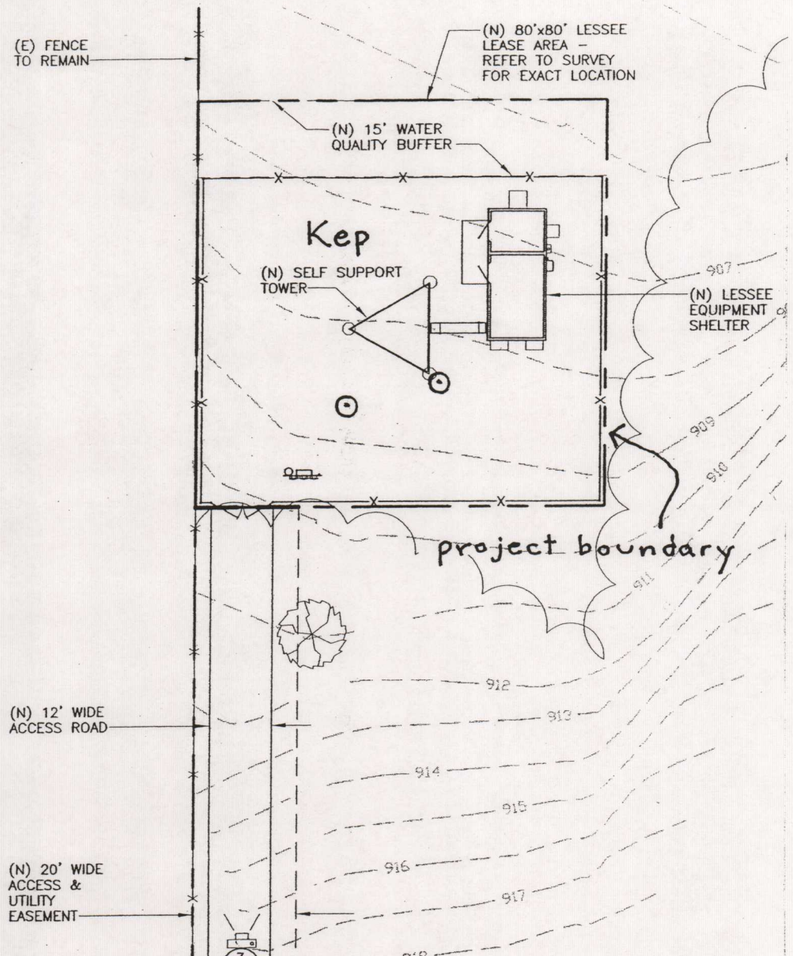
I have read, I understood, and I have followed the Texas Natural Resource Conservation Commission's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field.

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

Date 3-23-07

Sheet 1 of 1

TNRCC 0585 Table (Rev. 5-1-02)



07C1c

SITE GEOLOGY—FM 1863 (VERIZON TOWER)
23 March 2007

Woodruff Geologic Consulting, Inc.
711 West 14th Street
Austin, Texas 78701

by

Charles Marsh Woodruff, Jr., Ph.D., P.G.
(with James W. Sansom, Jr., P.G.)

STATE OF TEXAS
CHARLES M. WOODRUFF, JR.
GEOLOGY
No. 502
LICENSED
PROFESSIONAL GEOSCIENTIST

Explanation:

Bedrock (Cretaceous age):

Kep = Person Formation (Edwards Group) underlies entire tract

other features

⊙ = geotechnical borehole (approximate location based on gps)

NEW IMPERVIOUS GROUND COVER	
LEASE AREA	6,400.0 SF
ACCESS ROAD	1,660.4 SF
TOTAL	8,060.4 SF

1 **SITE PLAN**
SCALE: 1"=30'-0"

NORTH

TEXAS ONE CALL SYSTEM
CALL BEFORE YOU DIG
UNDERGROUND UTILITIES
1-800-245-4545
CALL 48 HOURS BEFORE YOU DIG, DRILL, OR BLAST.

verizon wireless

DATE: 3/16/07

REGISTERED ARCHITECT
TERRY THOMPSON
6142
STATE OF TEXAS

EXP. DATE: 02/28/07

ARCHCOMM, INC. - ARCHITECTS
1840 Lockhill-Selma, Suite 101
San Antonio, Texas 78213
(210)308-9905

FM 1863
202907B
2650 KRUEGER CANYON, NEW BRAUNFELS, TX 78132

SHEET TITLE
SITE PLAN

SHEET HISTORY

.	
12.27.06	ISSUE FOR CONSTRUCTION
1. 03.15.07	WATER QUALITY BUFFER
2.	
3.	
4.	

A1

VA065734

WATER POLLUTION ABATEMENT PLAN
APPLICATION FORM

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: Verizon Wireless Cell Tower – FM 1863

REGULATED ENTITY INFORMATION

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

2. Total site acreage (size of property): 0.21 Acres

3. Projected population: 0

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	303	÷ 43,560 =	0.0070
Parking	4,775	÷ 43,560 =	0.1096
Other paved surfaces	122	÷ 43,560 =	0.0028
Total Impervious Cover	5,200	÷ 43,560 =	0.1194
Total Impervious Cover ÷ Total Acreage x 100 =			56.86 % of site

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.

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:

__ % Domestic	0 gallons/day
__ % Industrial	0 gallons/day
__ % Commingled	0 gallons/day
TOTAL	0 gallons/day

15. Wastewater will be disposed of by:
__ **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. __ All private service laterals will be inspected as required in 30 TAC §213.5.

SITE PLAN REQUIREMENTS

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

17. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 20 '.

18. 100-year floodplain boundaries

__ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.

X No part of the project site is located within the 100-year floodplain.

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

19. 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.):

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

__ The wells are not in use and have been properly abandoned.

__ The wells are not in use and will be properly abandoned.

__ The wells are in use and comply with 30 TAC §238.

X There are no wells or test holes of any kind known to exist on the project site.

21. Geologic or manmade features which are on the site:

__ All **sensitive and possibly sensitive** geologic or manmvade features identified in the Geologic Assessment are shown and labeled.

X No **sensitive and possibly sensitive** geologic or manmade features were identified in the

Geologic Assessment.

__ **ATTACHMENT D - Exception to the Required Geologic Assessment.** An exception to the Geologic Assessment requirement is requested and explained in ATTACHMENT D provided at the end of this form. Geologic or manmade features were found and are shown and labeled.

__ **ATTACHMENT D - Exception to the Required Geologic Assessment.** An exception to the Geologic Assessment requirement is requested and explained in ATTACHMENT D provided at the end of this form. No geologic or manmade features were found.

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

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

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

25. NA 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:

Kenny Watkins, P.E.
Print Name of Customer/Agent

Kenny Watkins
Signature of Customer/Agent

April 3, 2007
Date

ATTACHMENT A

Factors Affecting Water Quality

The following factors are anticipated to adversely affect surface water and groundwater quality:

- The disturbance of vegetated area will increase the potential for erosion.
- The change in impervious cover will change the amount of natural filtration by vegetation and infiltration.
- The use of improved road surfaces by automobile traffic.
- The accidental or improper discharge of the following;

    - Concrete
    - Cleaning solvents
    - Detergents
    - Petroleum based products
    - Paints
    - Paint solvents
    - Acids
    - Concrete additives

ATTACHMENT B

Volume and Character of Stormwater

Drainage calculations (including runoff coefficients) for the pre-construction and post-construction conditions are shown on the enclosed Drainage Area Map and Water Quality Plan.

ATTACHMENT C

Suitability Letter from Authorized Agent

A suitability letter from an authorized agent is not a part of this application because no waste disposal will be associated with the proposed development.

ATTACHMENT D

Exception to the Required Geologic Assessment

No exception to the required geologic assessment is requested.

TEMPORARY STORMWATER SECTION

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: Verizon Wireless Cell Tower – FM 1863

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. NA Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.

4. X **ATTACHMENT B - Potential Sources of Contamination.** Describe in an attachment at the end of this form any other activities or processes which may be a potential source of contamination.
   __ There are no other potential sources of contamination.

SEQUENCE OF CONSTRUCTION

5. X **ATTACHMENT C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is provided at the end of this form. For each activity described, an estimate of the total area of the site to be disturbed by each activity is given.

6. X Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project:

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.

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

NA 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.

NA 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. NA **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. NA 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:

Kenny Watkins, P.E.

Print Name of Customer/Agent

Kenny Watkins

Signature of Customer/Agent

April 3, 2007

Date

ATTACHMENT A

Spill Response Actions

All hazardous waste materials will be disposed of in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. Site personnel will be instructed in these practices by the job site superintendent, who will also be responsible for seeing that these practices are followed. Material Safety Data Sheets (MADS's) for each substance with the hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of MSDS will be maintained in the SWPPP file on the job site. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

No spilled hazardous materials or hazardous wastes will be allowed to come in contact with stormwater discharges. If such contact occurs, the stormwater discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated stormwater.

Any spills of hazardous materials which in quantities in excess of Reportable Quantities as defined by EPA regulations shall be immediately reported to the EPA National Response Center 1-800-424-8802. The spill should also be reported to the Texas Commission on Environmental Quality Spill Reporting Hot Line at 512-463-7727, or, during regular business hours, by calling the local office serving the county in which the spill occurs.

Contaminated Soils

Any contaminated soils (resulting from spill of materials with hazardous properties) which may result from construction activities will be contained and cleaned up immediately in accordance with applicable state and federal regulations. The job site superintendent will be responsible for seeing that these procedures are followed.

The following are the material management practices that will be sued to reduce the risk of spills or other accidental exposute of materials and substances to stormwater runoff.

Good Housekeeping

The following good housekeeping practices will be followed onsite during the construction project:

1. An effort will be made to store only enough product required to do the job.

2. All materials stored onsite will be stored in a neat, orderly manner and, if possible, under a roof or other enclosure.
3. Products will be kept in their original containers with the original manufacturer's label in legible condition.
4. Substances will not be mixed with one another unless recommended by the manufacturer.
5. Whenever possible, all of a product will be used up before disposing of the container.
6. Manufacturer's recommendations for proper use and disposal will be followed.
7. The job site superintendent will be responsible for daily inspections to ensure proper use and disposal of materials.

Hazardous Products

These practices will be used to reduce the risks associated with hazardous materials:

1. Products will be kept in original containers with the original labels in legible condition.
2. Original labels and material safety data sheets (MSDS's) will be procured and used for each material.
3. If surplus product must be disposed of, manufacturer's or local/state/federal recommended methods for proper disposal will be followed.
4. A spill control and containment kit (containing, for example, absorbent such as kitty litter or sawdust, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.
5. All of the products in a container will be used before the container is disposed of. All such containers will be triple-rinsed with water prior to disposal. The rinse water used in these containers will be disposed of in a manner in compliance with state and federal regulations and will not be allowed to mix with stormwater discharges.

Spill Prevention and Cleanup

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

1. Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.
2. Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite in spill control and containment kit (containing, for example, absorbent such as kitty litter or sawdust, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.).
3. All spills will be cleaned up immediately after discovery.

4. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances.
5. Spills of toxic or hazardous materials will be reported to the appropriate federal, state and/or local government agency, regardless of the size of the spill. Spills of amounts that exceed Reportable Quantities of certain substances specifically mentioned in federal regulation (40 CFR 302 list and oil) will be immediately reported to the EOA National Response Center, telephone 1-800-424-8802. Reportable Quantities of some substances which may be used at the job site are as follows:

    a. Oil – appearance of film or sheen on water
    b. Pesticides – usually 1 lb.
    c. Acids – 5000 lb.
    d. Solvents, flammable – 100 lb.

6. A description of the spill, what caused it, how it could be prevented, and the cleanup measures will be posted in the material storage area. If the spill exceeds a Reportable Quantity, all federal regulation regarding reports of the incident will be complied with.
7. The job site superintendent will be the spill prevention and cleanup coordinator. He will designate the individuals who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of these personnel will be posted in the material storage area and in the office trailer onsite.

ATTACHMENT B

Potential Sources of Contamination

The following materials or substances with known hazardous properties are expected to be present onsite during construction:

- Sanitary Waste
- Concrete
- Petroleum Products
- Fertilizers and Pesticides
- Paints
- Paint Solvents
- Cleaning Solvents
- Detergents

The following practices shall be followed to prevent contamination:

Waste Disposal

All waste materials will be collected and stored in a dumpster or similar container rented from a local waste management company which must be a solid waste management company licensed to do business in the State of Texas and Comal County. The dumpster will comply with all local and state solid waste management regulations.

All trash and construction debris from the site will be deposited into the container. The container will be emptied as required, and the trash will be hauled to a landfill approved by the State of Texas and Comal County. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal. Notices stating these practices will be posted in the job site construction office trailer, and the job site superintendent will be responsible for seeing that these procedures are followed.

Sanitary Waste

All sanitary waste will be collected from the portable units by a licensed portable facility provider in complete compliance with local and state regulations.

Off-Site Vehicle Tracking

The paved street adjacent to the site entrance will be inspected daily and swept as necessary to remove an excess mud, dirt, or rock tracked from the site. Accumulations of excess material will be collected and removed as appropriate to maintain a clean work area. Dump trucks hauling material from the construction site will be covered with a

tarpaulin. The job site superintendent will be responsible for seeing that these procedures are followed.

Concrete Waste from Concrete Trucks

Emptying of excess concrete and/or washout from concrete delivery trucks will be allowed on the job site, but only in either specifically designated kike areas which have been prepared to prevent contact between the concrete and/or washout and stormwater which will be discharge from the site or in locations where waste concrete can be poured into forms to make riprap or other useful concrete products.

The hardened residue from the concrete washout diked area will be dispose of in the same manner s other non-hazardous construction waste materials or may be broken up and used on site as deemed appropriate by the Contractor. The job site superintendent will be responsible for seeing that these procedures are followed.

Petroleum Products

All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any petroleum storage tanks used onsite will have a dike or berm containment structure constructed around it to contain any spills which may occur. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.

Fertilizers and Pesticides

Fertilizers and pesticides will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked in the soil to limit exposure to stormwater. Storage will be in a covered shed. The contents of any partially used bags of fertilizer and pesticides will be transferred to a sealable plastic bin to avoid spills.

Paints, Paint Solvents, Cleaning Solvents and Detergents

All containers will be tightly sealed and stored when not in use. Excess paint and solvents will not be discharged to the storm sewer system but will be properly disposed of according to manufacturer's instructions or state and federal regulations.

Certain types of discharges are allowable under the NPDES General Permit for Construction Activity, and it is the intent of the SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come in contact with the water prior to or after its discharge. The control measures which have outlined previously in the SWPPP will be strictly followed to ensure that no contamination of these non-stormwater discharges takes place. The following allowable non-stormwater discharges which may occur from the job site include:

- Discharges from firefighting activities
- Water used to wash vehicles or control dust in order to minimize offsite sediment tracing
- Portable water sources such as waterline flushings, irrigation drainage from watering vegetation, routine exterior building washing (without detergents present)
- Pavement washwaters where spills or leaks of hazardous materials have not occurred or detergents have not been used
- Springs and other uncontaminated groundwater, including dewatering ground water infiltration
- Foundation or footing drains where no contamination with process materials such as solvents is present.

ATTACHMENT C

Sequence of Major Activities

The Contractor will be responsible for implementing the following erosion control and stormwater management control structures. The Contractor may designate these tasks to certain subcontractors as he sees fit, but the ultimate responsibility for implementing these controls and ensuring their proper functioning remains with the Contractor. The order of activities will be as follow:

1. Install perimeter silt fences immediately downgradient of the site.
2. Begin clearing, grubbing and topsoil removal operations. Clearing and grubbing shall be done only in area where site work will be performed.
3. Frequent watering of the excavation and fill areas shall be accomplished to minimize wind erosion.
4. Proof roll site in preparation of placement of graded rock surface.
5. Begin construction of underground utilities and access drive.
6. Prepare tower site.
7. Construct finished surface for access drive.
8. Begin tower and associated element construction.
9. Begin final site grading in areas beyond building envelope in order to begin reestablishing vegetative growth.
10. Complete tower site construction and revegetation.
11. Remove silt fencing only after all paving is complete and exposed surfaces are stabilized.

ATTACHMENT D

Temporary Best Management Practices and Measures

Temporary Best Management Practices used during the construction phase include the following:

Dust Control
Silt Fence

Pollution of surface water, groundwater, and stormwater that originates upgradient from the site can be prevented by diverting the upgradient flow around the disturbed areas. Due to the minimal slope in the area surrounding the site, the crushed stone surface placed during construction at elevations above existing grades will be sufficient to keep offsite flows from flowing across the site. No other diversion system is needed.

The proposed BMP's will prevent pollution of surface water, groundwater and stormwater by the following methods:

- Minimize the amount of disturbed areas, thereby reducing the amount of sediment loads downstream.
- Reducing erosion by keeping runoff velocities low and by providing stabilized outlets at points of concentrated flow.
- Capturing sediment loads by placing silt fence downgradient of the disturbance.

To prevent pollutants from entering the surface streams, sensitive features, and the aquifer, sediment traps such as silt fences are proposed upgradient of all surface streams, sensitive features and the aquifer.

Proposed BMP's have been designed to maintain, to the maximum extent practical, flow to the naturally occurring sensitive features. BMP's which are proposed around these features are designed to trap sediment but still allow runoff to the features.

BMP's that will be included in this project include:

Temporary Erosion Control BMP's

Dust Control

Temporary Sediment Control BMP's

Silt Fence – placed downgradient of grading associated with construction of the access drive and tower site

Dust control shall be provided as necessary to reduce the movement of excess dust from exposed soil surfaces. Irrigation shall be used as the temporary method of dust control and shall be repeated as necessary. Care shall be taken to avoid excess runoff and erosion.

Bleyl & Associates

S 37°05'09" E 80.00'

(N) 15' VEGETATIVE FILTER STRIP

SF

SF

SF

LIMIT OF CONSTRUCTION
AREA = 9,600 SF

80.00'

N 52°54'51" E

S 52°54'51" W

80.00'

SITE SLOPE

SITE SLOPE

PROPOSED SF 1' INSIDE FENCE AREA

80.00'

N 37°05'09" W

140.00'

N 52°54'51" E

S 52°54'51" W

105.34'

905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGEND:

LIMIT OF CONSTRUCTION

SILT FENCE SF

STATE OF TEXAS
KENNY WATKINS
64738
REGISTERED
PROFESSIONAL ENGINEER

Kenny Watkins
4/10/07

N 37°46'48" W
35.00'

KRUEGER CANYON ROAD

OHP

Bleyl & Associates

C:\B&A JOB DIRECTORY\5000's\5073\5073-BASE.dwg, 4/10/2007 10:06:44 AM

REV	DATE	BY	APP	COMMENT

PREPARED FOR:

DRAWN
FIELD APRIL 2007
REVISED PER REV. COMMENTS
PLOTTED BY KENNY WATKINS

Bleyl & Associates
Project Engineering & Management
1715 CENTRAL OF TEXAS HWY 6, SUITE 100
KERRVILLE, TEXAS 78028
512-896-7900
512-330-7965 FAX

B&A

TEMPORARY BMP/ESC PLAN

VERIZON WIRELESS
FM-1863
9660 KRUEGER CANYON
COMAL COUNTY
NEW BRAUNFELS, TEXAS

PROJECT NUMBER
5073
FILE NAME
5073-BASE
SHEET
OF

ATTACHMENT E

Request to Temporarily Seal a Feature

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

ATTACHMENT F

Structural Practices

Structural practices for this site include:

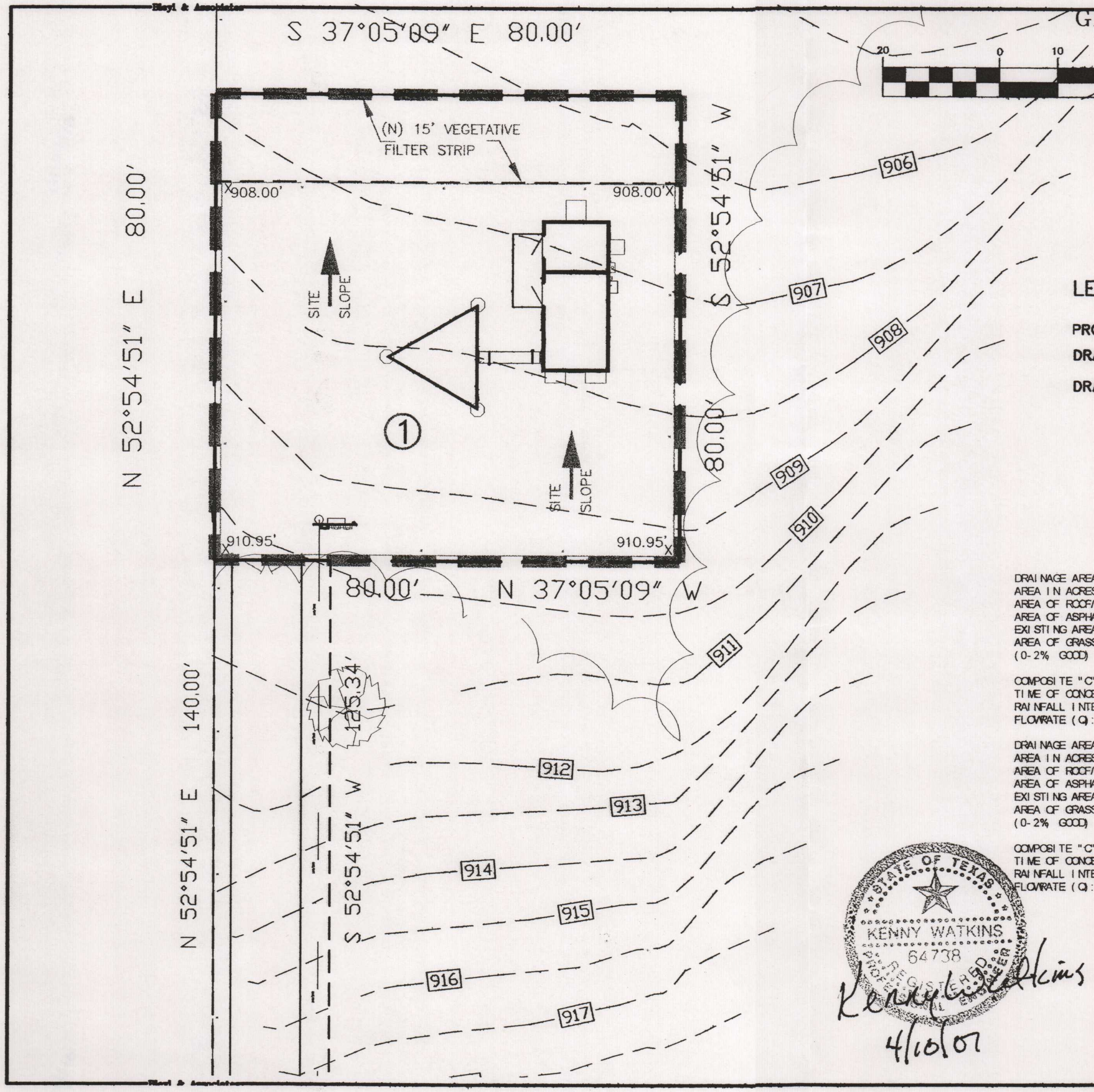
Silt fences downstream of all disturbed areas.
Vegetative area downgradient of all disturbed areas.

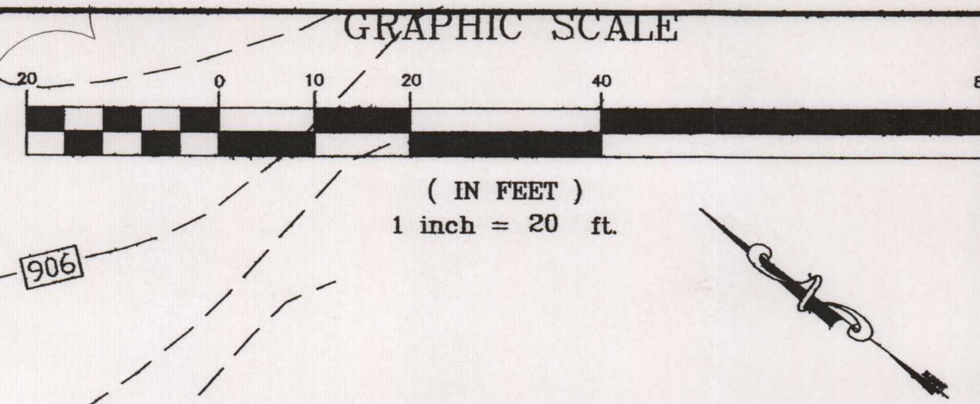
See the attached erosion control plan for locations of all structural controls.

ATTACHMENT G

Drainage Area Map

A separate drainage area map for the site is included. Drainage calculations are enclosed for the area being developed as shown on the enclosed site plan. Impervious cover and runoff calculations are based on the existing and proposed impervious cover. Pre and post developed runoff volumes are consistent with a minimal increase in impervious cover. The increase is flows from the proposed construction will be negligible and inconsequential to the area-wide drainage patterns.





LEGEND:

PROPOSED GRADE	908.00'X
DRAINAGE AREA	▬ ▬ ▬
DRAINAGE NUMBERS	①

VERIZON WIRELESS - FM 1863

		C(2)	C(10)	C(25)	C(100)
DRAINAGE AREA #:	EXISTING CONDITION, SITE AREA & ACCESS ESMT				
AREA IN ACRES:	0.21				
AREA OF ROOF/CONC:	0.00	0.75	0.83	0.88	0.97
AREA OF ASPHALT:	0.00	0.73	0.81	0.86	0.95
EXISTING AREA:	0.21	0.25	0.30	0.34	0.41
AREA OF GRASS: (0-2% GOOD)	0.00	0.21	0.25	0.29	0.36
COMPOSITE "C" VALUE:		0.25	0.30	0.34	0.41
TIME OF CONCENTRATION:	5				
RAINFALL INTENSITY:		6.48	8.64	9.84	11.88
FLOWRATE (Q):		0.34	0.54	0.70	1.02
DRAINAGE AREA #:	DEVELOPED CONDITION, SITE AREA & ACCESS ESMT				
AREA IN ACRES:	0.21				
AREA OF ROOF/CONC:	0.01	0.75	0.83	0.88	0.97
AREA OF ASPHALT:	0.11	0.73	0.81	0.86	0.95
EXISTING AREA:	0.06	0.25	0.30	0.34	0.41
AREA OF GRASS: (0-2% GOOD)	0.03	0.21	0.25	0.29	0.36
COMPOSITE "C" VALUE:		0.52	0.59	0.63	0.71
TIME OF CONCENTRATION:	5				
RAINFALL INTENSITY:		6.48	8.64	9.84	11.88
FLOWRATE (Q):		0.71	1.06	1.30	1.78

REV	DATE	BY	APP	COMMENT

PREPARED FOR:

SCALE:
DATE: APRIL, 2007
DRAWN BY: JEFF D. HESS
PROJECT ENGINEER: KENNY WATKINS

Bleyl & Associates
Project Engineering & Management
1715 CAPITAL OF TEXAS HWY S, SUITE 100
AUSTIN, TEXAS 78746
512-328-7878 PHONE
512-328-7884 FAX

DRAINAGE AREA PLAN

VERIZON WIRELESS
FM-1863

8650 KRUEGER CANYON
COMAL COUNTY
NEW BRAUNFELS, TEXAS

PROJECT NUMBER: 5073
FILE NAME: 5073-BASE.DWG
SHEET: OF:

ATTACHMENT H

Temporary Sediment Pond Plan and Calculations

No temporary sediment pond plan is proposed for this development.

ATTACHMENT I

Inspection and Maintenance for BMP's

The following inspection and maintenance practices will be used to maintain erosion and sedimentation controls:

1. All control measures will be inspected at least every 14 days and following any storm even of >0.5 inches.
2. All measures will be maintained in good working order; if repairs are found to be necessary, they will be completed within 7 days of report.
3. Built up sediment will be removed from silt fence when it has reached one-third of the fence height.
4. Silt fences will be inspected for depth of sediment and tears to see if the fabric is securely attached to the fence posts, and to see that the fence posts are securely in the ground.
5. Sediment basins, if present, will be inspected for depth of sediment, and accumulated sediment will be removed when it reaches 10% of the design capacity or at the end of the job.
6. Diversion dikes, if present, will be inspected and any breaches promptly repaired.
7. Temporary and permanent seeding will be inspected for bare spots, washouts, and healthy growth.
8. A maintenance inspection report will be made after each inspection. Copies of the report forms to be completed by the inspector are included in the SWPPP.
9. The job site superintendent will select the individual who will be responsible for these inspections, maintenance and repair activities, and filling out inspection and maintenance reports.
10. Personnel selected for the inspection and maintenance responsibilities will receive training from the job sit superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls that are used onsite in good working order. They will also be trained in the completion of, initiation of actions required by, and the filing of other inspection forms.

Inspection and Maintenance Report Forms

Once installation of any required or optional erosion control device of measure has been implemented, weekly inspections of each measure shall be performed by the Contractor's inspection personnel. The Inspection and Maintenance Reports found in this SWPPP (or other forms which the Contractor desires to use that have been approved by the Engineer) shall be used by the inspectors to inventory and report the condition of each measure to assist in maintaining the erosion and sediment control measures in good working order.

These report forms shall become an integral part of the SWPPP and shall be made readily accessible to the EPA inspection officials, the Civil Engineering Consultant, and the

Owner for review upon request during visits to the project site. In addition, copies of the reports shall be provided to any of these persons, upon request, vial mail or facsimile transmission.

The Contractor shall notify the Owner and the Engineer in writing that training of inspectors for purposes of compliance with this SWPPP has been performed.

CONSTRUCTION/IMPLEMENTATION CHECKLIST

1. **Maintain Records of Construction Activities, including:**

    - Dates when major grading activities will occur
    - Dates when construction activities temporarily ceases on a portion of the site
    - Dates when construction activities permanently cease on a portion of the site
    - Dates when stabilization measures are initiated on the site.

2. **Prepare Inspection Reports Summarizing:**

    - Names of inspector
    - Qualifications of inspector
    - Measures/area inspected
    - Observed conditions
    - Changes necessary to the SWPPP

3. **Report Releases of Reportable Quantities of Oil or Hazardous Materials (if they occur)**

- Notify national Response Center (1-800-424-8802) immediately
- Notify permitting authority in writing within 14 days
- Modify the pollution prevention plan to included:
    - the date of release
    - circumstances leading to the release
    - steps taken to prevent reoccurrence of the release

4. **Modify Pollution Prevention Plan as necessary to:**

- Comply with the minimum permit requirements when notified by EPS that the plan does not comply
- Address a change in design, construction operation, or maintenance which has an effect on the potential for discharge of pollutants
- Prevent reoccurrence of reportable quantity releases of a hazardous material or oil

ATTACHMENT J

Schedule of Interim and Permanent Soil Stabilization Practices

Stabilization practices for this site include:

- Land clearing activities shall be done only in areas where earthwork will be performed and shall progress as earthwork is needed
- Watering of excavation and disturbed areas to minimize wind erosion during construction
- Permanent seeding and planting of all unpaved areas using the planting of grass seed, hydromulch, or grass sod

Weekly inspections of seeding and planting for bare spots, washouts, and healthy growth shall be made. A maintenance inspection report will be prepared after each inspection. The following items must be satisfied prior to final stabilization/termination.

- All soil disturbing activities are complete
- Temporary erosion and sediment control measures have been removed or will be removed at an appropriate time
- All area of the construction site not otherwise covered by a permanent pavement or structure have been stabilized with a uniform perennial vegetative cover with a density of 70% or equivalent measures have been employed

Inspection and Maintenance Report Form

STABILIZATION MEASURES

INSPECTOR: _____ DATE: _____

QUALIFICATIONS OF INSPECTOR:

_____

DAYS SINCE LAST RAINFALL: _____ AMOUNT OF LAST RAINFALL: _____

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

STABILIZATION REQUIRED: _____

_____

TO BE PERFORMED BY: _____ ON OR BEFORE _____

PERMANENT STORMWATER SECTION

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: Verizon Wireless Cell Tower – FM 1863
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. NA 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.

_X_ If no surface water, groundwater or stormwater originates upgradient from the site and flows across the site, an explanation is provided as **ATTACHMENT B** at the end of this form.

__ If permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, an explanation is provided as **ATTACHMENT B** at the end of this form.

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

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

9. _X_ The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.

_X_ The permanent sealing of or diversion of flow from a naturally-occurring "sensitive" or "possibly sensitive" feature that accepts recharge to the Edwards Aquifer as a

permanent pollution abatement measure has not been proposed for any naturally-occurring "sensitive" or "possibly sensitive" features on this site.

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

10. _X_ **ATTACHMENT F - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information have been signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed permanent BMPs and measures are provided at the end of this form. Design Calculations, TCEQ Construction Notes, all man-made or naturally occurring geologic features, all proposed structural measures, and appropriate details must be shown on the construction plans.

11. _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.

_NA_ **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:

Kenny Watkins, P.E.

Print Name of Customer/Agent

Kenny Watkins — April 3, 2007

Signature of Customer/Agent — Date

ATTACHMENT A

20% or Less Impervious Cover Waiver

The existing impervious cover for the site is 0%, and the proposed improvements raise the impervious cover to 56.86 %. Therefore, no impervious cover waiver is requested.

ATTACHMENT B

BMPs for Upgradient Stormwater

Upgradient stormwater will not flow across the proposed improvements. The proposed improvements are set slightly above the existing grade. The access drive to the lease space from the edge of the existing asphalt within the access easement will be constructed using non-compacted gravel approximately 1-2 inches in diameter that will allow flows to pass through the gravel. The lease property is generally sloped towards the north. All BMP's are shown to be downgradient of proposed impervious improvements.

ATTACHMENT C

BMPs for On-Site Storm Sewer

Permanent Best Management Practices for preventing pollution of surface water or groundwater that originates onsite or flows offsite include the following:

- Vegetative Filter Strip
- Existing vegetation downgradient of the site

Runoff from this development will be surface drained and will leave the site in a sheet flow pattern, matching the existing flow patterns on the tract. No onsite storm sewers are proposed with the project. Runoff will not be collected and concentrated on the site.

ATTACHMENT D

BMPs for Surface Streams

Permanent Best Management Practices for preventing pollution from entering surface streams, sensitive features and the aquifer are as follows:

- Vegetative Filter Strip
- Existing Vegetated Area Downgradient of the Site

The site is covered with existing grasses. The proposed vegetative filter strip at minimal slopes is sized to treat the increase in TSS generated by the proposed construction. Flows leaving the site pass across existing vegetation at flat slopes. No surface streams are encountered by runoff leaving the site prior to flows entering the unnamed tributary of Dry Comal Creek, approximately 800 feet from the site. Existing vegetation downgradient of the site will provide additional treatment of TSS loads, beyond the proposed vegetative filter strip.

ATTACHMENT E

Request to Seal Features

There will be no sealing of naturally-occurring sensitive features on this site.

ATTACHMENT F

Construction Plans

The vegetative filter strip is shown on the enclosed Drainage Area Map and Water Quality Plan. The filter strip has been sized in accordance with the current guidelines as put forth by the Texas Commission on Environmental Quality. All calculations contained herein have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer.

ATTACHMENT G

Inspection, Maintenance, Repair and Retrofit Plan

The developer is responsible for the inspection, maintenance, repair and retrofit of permanent BMP's until such time that the maintenance obligation is either assumed in writing by another, or the ownership of the property is transferred.

The following inspection, maintenance, repair and retrofit practices will be used for permanent BMP's:

1. Permanent seeding will be inspected for bare spots, washouts, and healthy growth semi-annually. Areas will be reestablished with topsoil, regraded as needed and reseeded to establish lost vegetation. These areas will require extended care and watering during the process of reestablishing lost vegetation.
2. No retrofit plan is needed for vegetative filter strips.
3. Maintenance will include mowing to a safe height (a maximum of 18 inches) to assure continued coverage and watering as necessary during periods of drought. Mowing will be completed a minimum of twice annually.
4. The filter strip shall be inspected at least twice annual for erosion or damage to vegetation, and after periods of heavy rainfall. Debris and litter removal shall be accomplished when noticed to eliminate reduction in flow characteristics.
5. Control of pests and weeds within the filter strip shall be through the use of the least toxic earth-wise products available at local retailers. Minimal application rates and frequencies shall be utilized to maintain the filter strip in a functional condition.

Signature: _____

Printed Name: Timothy J. Caletka

Title: Const. Engineer

Date: 10-30-06

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

1. Written construction notification must be given to the appropriate TCEQ regional office no later than 48 hours prior to commencement of the regulated activity. Information must include the date on which the regulated activity will commence, the name of the approved plan for the regulated activity, and the name of the prime contractor and the name and telephone number of the contact person.

2. All contractors conducting regulated activities associated with this project must be provided with complete copies of the approved Water Pollution Abatement Plan and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors are required to keep on-site copies of the approved plan and approval letter.

3. If any sensitive feature is discovered during construction, all regulated activities near the sensitive feature must be suspended immediately. The appropriate TCEQ regional office must be immediately notified of any sensitive features encountered during construction. The regulated activities near the sensitive feature may not proceed until the TCEQ has reviewed and approved the methods proposed to protect the sensitive feature and the Edwards Aquifer from any potentially adverse impacts to water quality.

4. No temporary aboveground hydrocarbon and hazardous substance storage tank system is installed within 150 feet of a domestic, industrial, irrigation, or public water supply well, or other sensitive feature.

5. Prior to commencement of construction, all temporary erosion and sedimentation (E&S) control measures must be properly selected, installed, and maintained in accordance with the manufacturers specifications and good engineering practices. Controls specified in the temporary storm water section of the approved Edwards Aquifer Protection Plan are required during construction. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. The controls must remain in place until disturbed areas are revegetated and the areas have become permanently stabilized.

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

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

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

9. All spoils (excavated material) generated from the project site must be stored on-site with proper E&S controls. For storage or disposal of spoils at another site on the

Edwards Aquifer Recharge Zone, the owner of the site must receive approval of a water pollution abatement plan for the placement of fill material or mass grading prior to the placement of spoils at the other site.

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

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

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

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

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

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

Austin Regional Office 1921 Cedar Bend, Suite 150 Austin, Texas 78758-5336 Phone (512) 339-2929 Fax (512) 339-3795	San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096 Fax (210) 545-4329

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

ATTACHMENT H

Pilot Scale Field Testing Plan

No plan for pilot-scale field testing is required for this project since the permanent BMP's are designed in accordance with TCEQ standards.

ATTACHMENT I

Measures for Minimizing Surface Stream Contamination

Measures for minimizing surface stream contamination are as follows:

- Construction of Engineered Vegetative Filter Strips
- Vegetated Area Downgradient of Site Improvement

The site has flat slopes, and the proposed improvements drain across a proposed vegetative filter strip. The area immediately downstream of the site is vegetated with existing grass cover. The length of travel required will provide an additional treatment benefit. Flow velocities across the existing vegetation will be low due to the flat slope of the land which will aid in the removal of TSS.

AGENT AUTHORIZATION

Agent Authorization Form

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

I, Timothy J. Caletka

Sr. Construction Engineer
Title - Owner/President/Other

of Cellco Partnership, dba Cingular Wireless
Corporation/Partnership/Entity Name

have authorized Kenny Watkins, P.E.
Print Name of Agent/Engineer

of Bleyl and Associates
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.

Tim Laletka — 5-1-06

Applicant's Signature — Date

THE STATE OF Texas §

County of Travis §

BEFORE ME, the undersigned authority, on this day personally appeared Tim Laletka 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 1st day of May, 2006.

K Bryson

NOTARY PUBLIC

Kayla Bryson

Typed or Printed Name of Notary

KAYLA BRYSON
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
DECEMBER 22, 2009

MY COMMISSION EXPIRES: 12-22-09

APPLICATION FEE FORM

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

NAME OF PROPOSED REGULATED ENTITY: Verizon Wireless Cell Tower – FM 1863
REGULATED ENTITY LOCATION: 2650 Krueger Canyon Road, New Braunfels, TX
NAME OF CUSTOMER: Cellco Partnership
CONTACT PERSON: Mr. Timothy J. Caletka PHONE: 210-834-1664

Customer Reference Number (if issued): CN 601404759 (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	0.21 Acres	$ 2,000.00
Sewage Collection System	L.F	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Kenny Watkins
Signature

April 4, 2007
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 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 *WPAP.*

Construction of cell tower facility and access drive.

2. Attachments		**Describe Any Attachments:** *(ex: Title V Application, Waste Transporter Application, etc.)*
	YES	**Water Pollution Abatement Plan**
	NO	

3. Customer Reference Number-*if issued*			**4. Regulated Entity Reference Number-*if issued***		
CN	**601404759**	***(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

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

	New Customer		Change to Customer Information
	Change in Regulated Entity Ownership	X	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	X	Corporation		Federal Government
	State Government		County Government		City Government
	Other Government		Other:		

8. Customer Name *(If an individual, please print last name first)*	*If new name, enter previous name:*
Verizon Wireless Contact:Tim Caletka	

9. Mailing Address:	5804 Tri County Parkway			
	Schertz	Tx	78154	ZIP + 4

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***
210-834-1664		**210-871-6366**

15. Federal Tax ID *(9 digits)*	**16. State Franchise Tax ID Number** *if applicable*	**17. DUNS Number** *if applicable* *(9 digits)*
75-2682257		

18. Number of Employees

	0-20		**21-100**		**101-250**		**251-500**	X	**501 and higher**

19. Independently Owned and Operated?

	Yes	X	**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 an individual, please print last name first)*				
Verizon Wireless Cell Tower – FM 1863				
22. Street Address (No PO Boxes)	2650 Krueger Canyon Road			
	New Braunfels	TX	78132	ZIP + 4
23. Mailing Address	5804 Tri County Parkway			
	City	State	ZIP	ZIP + 4
	Schertz	TX	78151	
24. E-Mail Address:				

25. Telephone Number	26. Extension or Code	27. Fax Number *if applicable*

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)
4812			

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

Wireless transmittal of data and voice

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

33. County Comal

34. Description of Physical Location –Approximately ¼ mile south of FM 1863 on the north side of Krueger Canyon Road, New Braunfels, Texas. A new green metal gate has been installed in the fence on the left as you proceed to the south on Krueger Canyon.

35. Nearest City – New Braunfels	State - Texas	Nearest Zip - 78132

36. Latitude (N)			*37. Longitude (W)*		
Degrees	*Minutes*	*Seconds*	*Degrees*	*Minutes*	*Seconds*
29	42	12	98	13	14

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	x	Edwards Aquifer
	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
Kenny Watkins, P.E.	Austin Branch Manager

41. Telephone Number	42. Extension or Code	43. Fax Number *if applicable*
512-328-7878		512-328-7884

44. E-mail Address: kwatkins@bleylengineering.com