

Barry R. McBee, *Chairman*  
R. B. "Ralph" Marquez, *Commissioner*  
John M. Baker, *Commissioner*  
Dan Pearson, *Executive Director*



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MAR 20 1998

COUNTY ROAD DEPT.

## TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

*Protecting Texas by Reducing and Preventing Pollution*

March 19, 1998

Mr. W. M. Norris  
HCG,LTD.  
130 W. Jahn  
New Braunfels, TX 78130-7640

Re: EDWARDS AQUIFER, Comal County  
PROJECT: Hunter's Creek Subdivision Unit 11, Project number 872.00, Located on the South End of Oak Run Parkway, New Braunfels, Texas  
TYPE: Request for Approval of a Modification to an Approved Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) §213.5(b); Edwards Aquifer Protection Program

Dear Mr. Norris:

The Texas Natural Resource Conservation Commission (TNRCC) received your request for a modification to an approved Water Pollution Abatement Plan to remove Special Condition No. 1 in the approval letter of January 28, 1998. The request for the referenced project was submitted on behalf of HCG,LTD. by HCG,LTD. and received by the San Antonio office on March 6, 1998.

Exceptions to any substantive provision of 30 TAC 213 related to the protection of water quality may be granted by the executive director if the requestor can demonstrate equivalent water quality protection for the Edwards Aquifer. Requests for exceptions are reviewed by the executive director on a case-by-case basis. Since equivalent water quality protection for Edwards Aquifer during excavation for the construction of private sewage facilities on individual lots has not been demonstrated your request is denied.

REPLY TO: REGION 13 • 140 HEIMER RD., SUITE 360 • SAN ANTONIO, TEXAS 78232-5042 • AREA CODE 210/490-3096

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000

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Mr. W. M. Morris

March 19, 1998

Page 2

Should clarification of this letter be desired or if we may be of any other assistance, please contact Philip J. Farrell of our San Antonio office at 210/490-3096. Please reference project number 872.00.

Sincerely,

A handwritten signature in cursive script that reads "Bobby D. Caldwell". The signature is written in dark ink and is positioned above the printed name.

Bobby D. Caldwell  
Water Program Manager  
San Antonio Regional Office

BDC/PJF/eg

cc S. Craig Hollmig, S. Craig Hollmig, Inc.,  
Harry Bennett, City of New Braunfels  
Tom Hornseth, Comal County  
Greg Ellis, Edwards Aquifer Authority  
TNRCC Field Operations, Austin

Barry R. McBee, *Chairman*  
R. B. "Ralph" Marquez, *Commissioner*  
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Dan Pearson, *Executive Director*



## TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

*Protecting Texas by Reducing and Preventing Pollution*

January 28, 1998

Mr. W. M. Norris  
HCG, Ltd.  
130 W Jahn  
New Braunfels, TX 78130

Re: EDWARDS AQUIFER, Comal County  
PROJECT: Hunter's Creek Subdivision Unit 11, Project number 741.00, Located at the south end of Oak Run Parkway, New Braunfels, Texas  
TYPE: Request for Approval of Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) §213.5(b); Edwards Aquifer Protection Program

Dear Mr. Norris:

The Texas Natural Resource Conservation Commission (TNRCC) has completed its review of the WPAP application for the referenced project that was submitted by S. Craig Hollmig, Inc. on behalf of HCG, Ltd. to the San Antonio Regional Office on October 29, 1997. Final review of the WPAP submittal was completed after additional information was received on January 15, 1998, January 16, 1998, and January 22, 1998. The WPAP proposed in the application is in general compliance with 30 TAC § 213.5(b); therefore, approval of the plan is hereby granted subject to applicable state rules and the conditions in this approval letter. *This approval expires two (2) years from the date of this approval unless, prior to the expiration date, construction has commenced on the project or an extension of time has been requested.*

### PROJECT DESCRIPTION

The proposed residential project will have an area of 15 acres and will consist of 12 lots sized at 1.001 acres or larger. Project wastewater for each residence will be treated by a private on-site septic system. According to a letter signed by Tom Hornseth, Comal County Engineer, the land in the development is acceptable for the use of private sewage facilities. The proposed impervious cover for the development is approximately 2.4 acres (16%). The site is located within the extra-territorial jurisdiction of the City of New Braunfels, and must conform with applicable codes and requirements of the City of New Braunfels.

### GEOLOGY ON SITE

According to the geologic assessment included with the submittal, no geologic or manmade features were identified on the site.

The San Antonio Regional Office site inspection of December 8, 1997, and January 21, 1998, revealed several geologic features that were not described in the application submittal. According to the geologist's

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follow-up evaluation, the features did not meet the minimum size criteria as specified in the instructions to the geologist.

#### GEOLOGY DOWNGRADIENT OF SITE

According to the geologic assessment included with the submittal, three geologic or manmade features were noted downgradient of the site. Two fracture zones were identified by information from the U.S. Geological Survey Water-Resources Investigation Report 94-4117 and were not observed. The manmade feature is an impoundment on the south side of Highway 46 that was believed by the geologist to have been created by the construction of Highway 46. The manmade feature was described as being "possibly sensitive".

#### PERMANENT POLLUTION ABATEMENT MEASURES

The following measure will be taken to prevent pollutants from entering recharge features identified during the site inspection while maintaining or enhancing the quantity of water entering the recharge features.

"The street construction will occur over the location of the two recharge features. The street construction will consist of the excavation of the existing surface, approximately 2' deep and the installation of 8" of crushed limestone, asphalt hot mix, and concrete curbing. During the construction process if a void or cavity exists, then this will be sealed and filled in with concrete. The concrete will be allowed to dry and then crushed limestone base material will be placed over the concrete and construction of the road will be completed."

#### SPECIAL CONDITIONS

1. If any potential sensitive features are encountered during construction, a geologist shall evaluate the significance of the features. The evaluation shall include representative photographs and a description of the feature forwarded to the San Antonio office. Construction in the vicinity of the features may only continue with written approval from the TNRCC.
2. The TNRCC may monitor stormwater discharges from the site to evaluate the adequacy of erosion and sedimentation (E&S) control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
3. Prior to commencement of construction of residential homes on the individual lots in this development, temporary E&S controls shall be installed. The E&S controls shall be inspected periodically during construction and following any significant rainfall occurrences. Necessary repairs to the E&S controls shall be made as soon as possible.
4. Any excavation for the construction of private sewage facilities on individual lots shall be evaluated by a geologist or a TNRCC certified site evaluator. The evaluation shall include representative photographs and a description of the feature forwarded to the San Antonio office. Construction in the vicinity of the features may only continue with written approval from the TNRCC.



STANDARD CONDITIONS

1. During the course of regulated activities related to this project, the applicant or his 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, upon which that person or entity shall assume responsibility for all provisions and conditions of this approval.
2. Any modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a WPAP to amend this approval, including the payment of appropriate fees and all information necessary for its review and approval.
3. Prior to commencing any regulated activity, the applicant or his agent must notify the San Antonio Regional Office in writing of the date on which the regulated activity will begin.
4. The applicant or his agent shall record this WPAP approval in the county deed records within 30 days of receiving this notice of approval. Proof of deed recordation shall be submitted to the San Antonio Regional Office prior to commencing construction. A suggested format that you may use to deed record the approved WPAP is enclosed.
5. All contractors conducting regulated activities at the project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
6. 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 TNRCC 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. If any significant recharge feature [sensitive feature] 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 potential adverse impacts to water quality.
8. 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.
9. Approval of the design of the sewage collection system for this proposed project shall be obtained from the TNRCC prior to commencement of construction of any sewage collection system.

Mr. W. M. Norris  
January 28, 1998  
Page 4

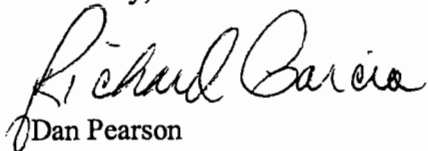
10. Any abandoned wells shall be plugged in accordance with 30 TAC § 338 or an equivalent method, as approved by the Executive Director.

Any drill holes resulting from core sampling on-site or down-gradient of the site shall be plugged with native soil, from the bottom of the hole to the top of the hole, so as to not allow water or contaminants to enter the subsurface environment.

11. Pursuant to §26.136 of the Texas Water Code, any violations of the requirements in 30 TAC §213 may result in administrative penalties.

If you have any questions or require additional information, please contact Lynn M. Bumgardner of the Edwards Aquifer Protection Program at 210/490-3096. Please reference project number 741.00.

Sincerely,



Dan Pearson  
Executive Director

DP/lmb

Enclosure: Deed Recordation Affidavit

cc: S. Craig Hollmig, S. Craig Hollmig, Inc.  
Harry Bennett, City of New Braunfels  
Tom Hornseth, Comal County  
Greg Ellis, Edwards Aquifer Authority  
TNRCC Field Operations, Austin

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COUNTY ROAD DEPT.

# WATER POLLUTION ABATEMENT PLAN

## HUNTER'S CREEK SUBDIVISION UNIT ELEVEN

COMAL COUNTY, TEXAS

OCTOBER, 1997

RECEIVED  
NOV 06 1997  
SAN ANTONIO  
SAN ANTONIO

NOV OCT 31 P 5:12

WATER POLLUTION ABATEMENT PLAN

HUNTER'S CREEK SUBDIVISION  
UNIT ELEVEN

COMAL COUNTY, TEXAS

RECEIVED  
NOV 06 1997  
SAN ANTONIO

OCTOBER, 1997

RECEIVED  
OCT 29 1997  
SAN ANTONIO

SAN ANTONIO WATER SYSTEM  
WELLS & SPRINGS DIVISION

GENERAL INFORMATION

FORM

**GENERAL INFORMATION FORM**

FOR

REGULATED ACTIVITIES

ON THE EDWARDS AQUIFER RECHARGE ZONE

AND RELATING TO 30 TAC §§213.4 &amp; 213.5, EFFECTIVE DECEMBER 27, 1996

PROJECT NAME: Hunter's Creek Subdivision, Unit ElevenCOUNTY: Comal County STREAM BASIN: GuadalupeTYPE: ☒ WPAP ☐ AST ☐ EXCEPTION  
☐ SCS ☐ UST ☐ MODIFICATION

Do not write in this box. TNRCC use only.	
Received by Region	
Fee Due:	\$
Payment Verified:	
Inspection Date:	
Judged Administratively <input type="checkbox"/> complete <input type="checkbox"/> incomplete	
Written Comments Received From City/County: UWCD within 30 Days:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Approved <input type="checkbox"/> Incomplete and Returned	

**APPLICANT INFORMATION**

## 1. Applicant:

Contact Person: W. M. Norris, President  
Entity: HCG, Ltd., by: Norris Realty of Canyon Lake, Inc., General Partner  
Mailing Address: 130 W. Jahn  
City, State: New Braunfels, Texas Zip: 78130  
Telephone: (830) 625-4151 FAX: (830) 625-3633

## 2. Agent/Representative (If any):

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

#### PROJECT LOCATION

3. Site Address: South end of Oakrun Parkway  
Street: Oakrun Parkway  
City: New Braunfels Zip: 78132
4. ☐ This project is inside the city limits of the City of \_\_\_\_\_  
☒ This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of the City of New Braunfels.  
☐ This project is not located within any city's limits or ETJ, but is located within \_\_\_\_\_ County.
5. The location of the project site is described below. Provide sufficient detail and clarity so that the TNRCC's Regional staff can easily locate the project for a field investigation.

From the intersection of Loop 337 and Highway 46 West, go west for one mile and take a left on Oakrun Parkway to the very end.

#### ROAD AND RECHARGE ZONE MAPS

6. ☒ A Road Map is attached behind this sheet showing directions to and location of project site.
7. ☒ A copy of the official 7 1/2 minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached behind this sheet. The map(s) should clearly show:
- ☒ Project site.
  - ☒ USGS Quadrangle Name(s).
  - ☒ Boundaries of the Recharge Zone (and Transition Zone, if applicable).
  - ☒ Drainage path from the project to the boundary of the Recharge Zone.

Recharge/Transition Zone Maps are available from:

Accugraphics 512/459-4929  
Barton Springs/Edwards Aquifer Con. District 512/282-8441  
Edwards Aquifer Authority 210/222-2204  
Ferguson Map Company 210/829-7629





North

G. ROAD MAP

HUNTER'S CREEP  
UNIT ELEVEN



RECHARGE ZONE

North

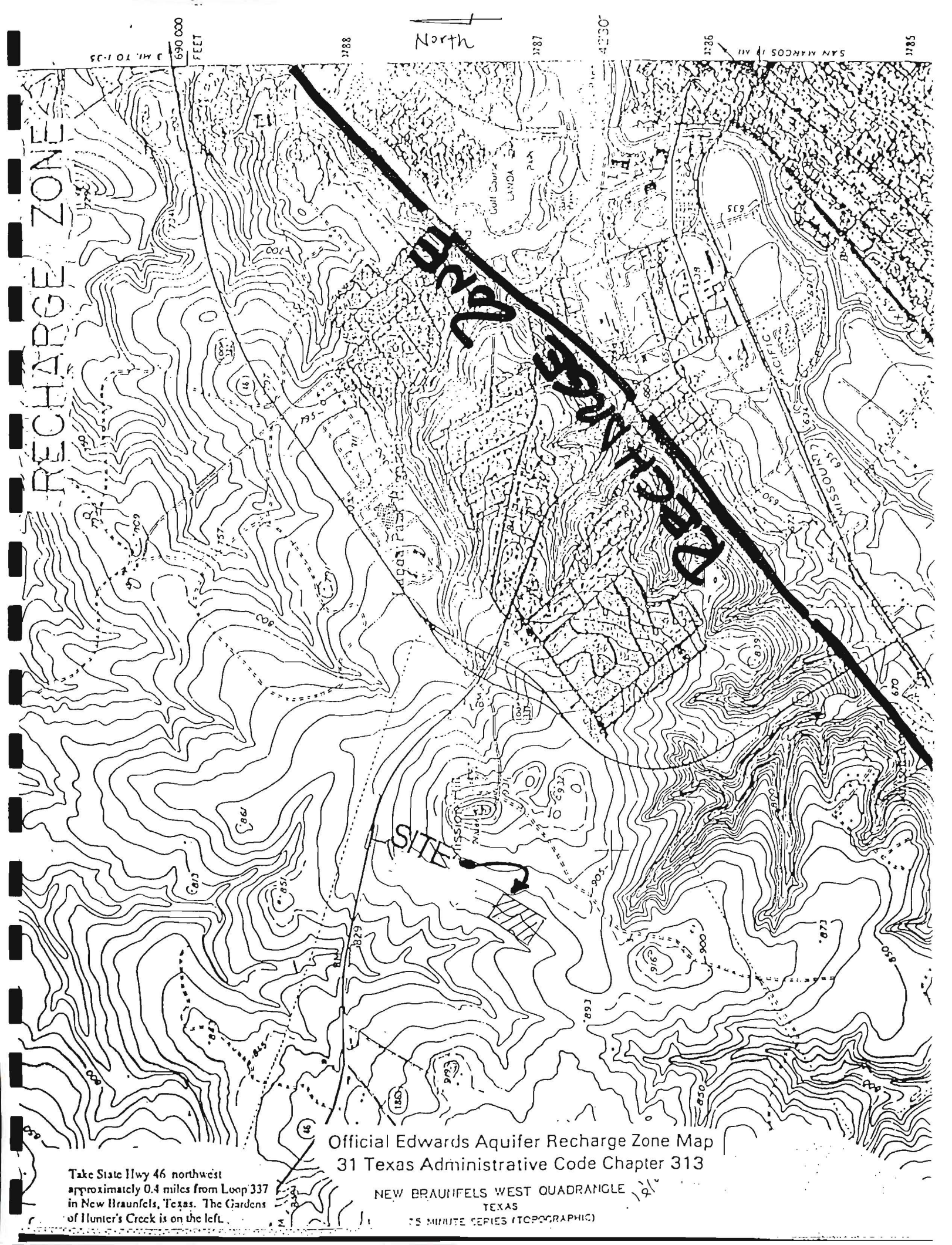
EDWARDS AQUIFER

SITE

Official Edwards Aquifer Recharge Zone Map  
31 Texas Administrative Code Chapter 313

Take State Hwy 46 northwest  
approximately 0.4 miles from Loop 337  
in New Braunfels, Texas. The Gardens  
of Hunter's Creek is on the left.

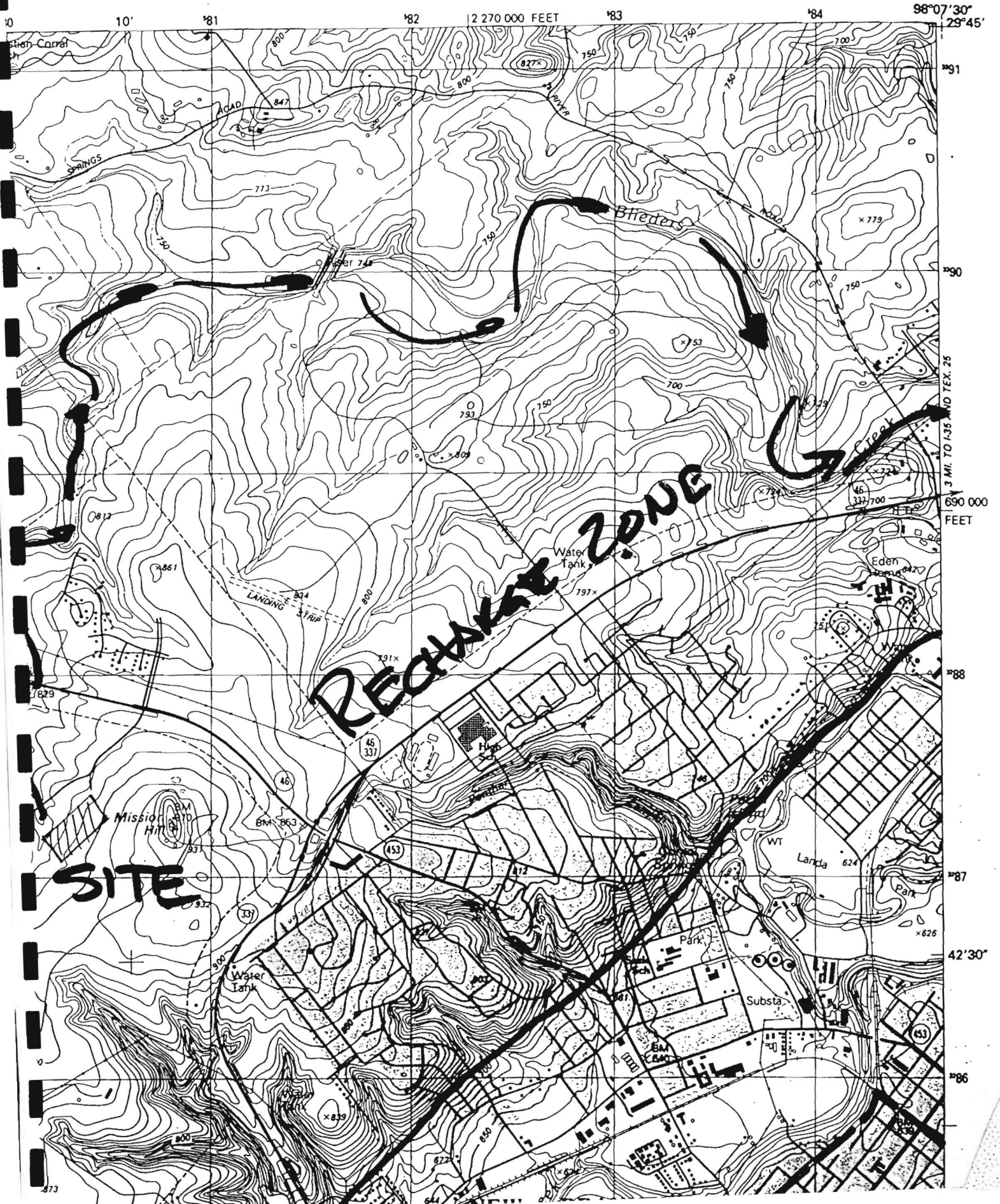
NEW BRAUNFELS WEST QUADRANGLE  
TEXAS  
7.5 MINUTE SERIES (TOPOGRAPHIC)





NEW BRAUNFELS WEST QUADRANGLE  
TEXAS  
7.5 MINUTE SERIES (TOPOGRAPHIC)

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NEW BRAUNFELS EAST QUADRANGLE  
TEXAS  
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Official Edwards Aquifer Recharge Zone  
31 Texas Administrative Code Chapt  
Subchapter A—San Antonio Reg

(SW  
ER)

98°07'30"  
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586

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588

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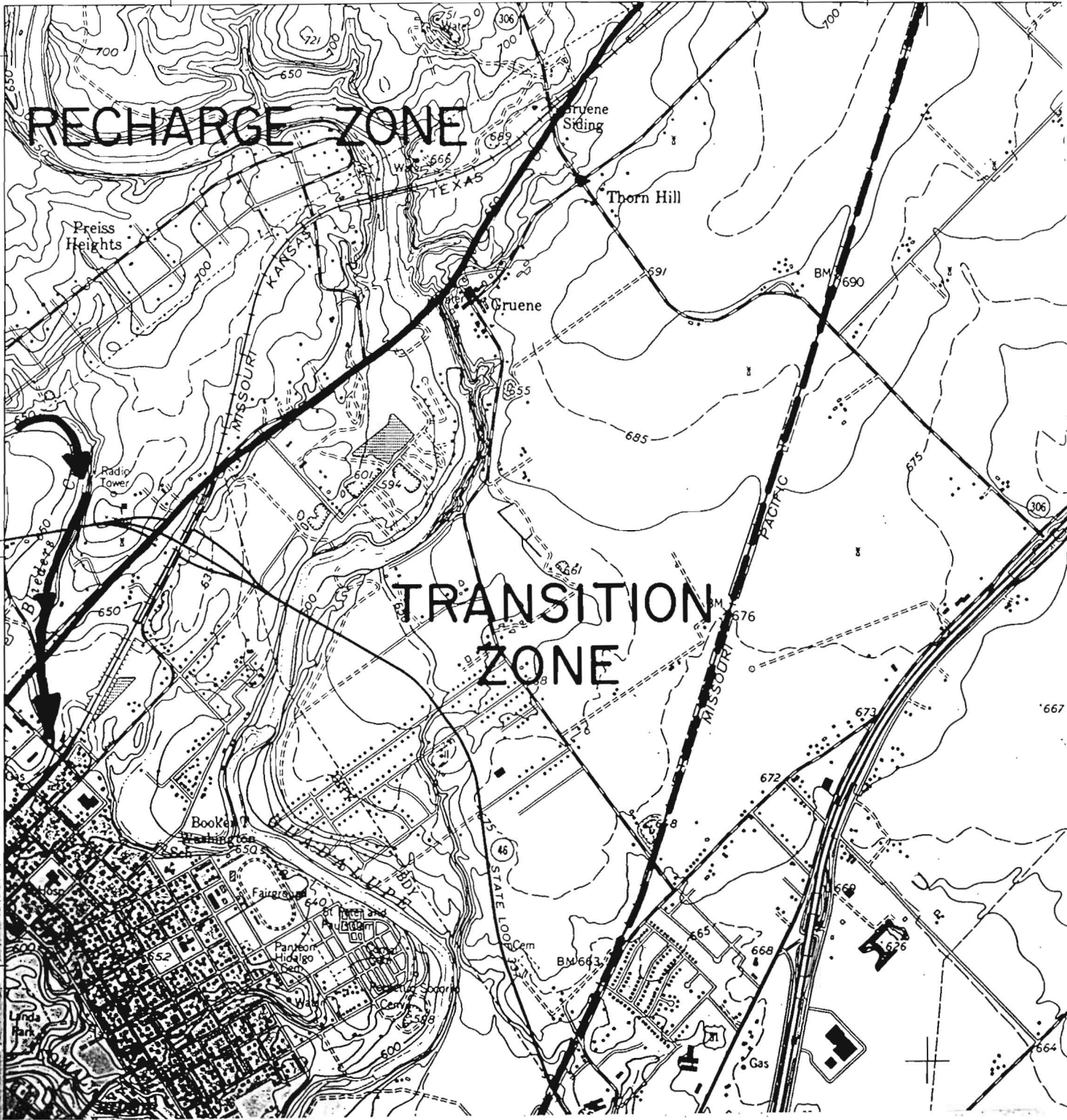
3290

3289

3288

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4230'



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

#### PROJECT DESCRIPTION

9. ☒ A detailed narrative description of the proposed project is provided directly behind this page.
10. Existing project site conditions are noted below:
- ☐ Existing commercial site
  - ☐ Existing industrial site
  - ☐ Existing residential site
  - ☐ Existing paved and/or unpaved roads
  - ☐ Undeveloped (Cleared)
  - ☒ Undeveloped (Undisturbed/Uncleared)
  - ☐ Other: \_\_\_\_\_

#### SOLID AND HAZARDOUS WASTES

11. Solid wastes and/or hazardous wastes:
- ☐ There are areas of trash, debris or other solid waste and hazardous waste on this property which will be disposed of properly at an authorized facility prior to commencing construction.
  - ☒ There are no areas of trash, debris or other solid waste or hazardous waste existing on this property.
  - ☐ Other. A narrative description is provided directly behind this page.
12. Will there be any on-site land disposal of Municipal Solid Waste as defined in 30 TAC §330?
- ☐ Yes
  - ☒ No

#### PROHIBITED ACTIVITIES

13. ☒ 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 §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

HUNTER'S CREEK SUBDIVISION  
UNIT ELEVEN

Hunter's Creek Subdivision, Unit Eleven, is a residential subdivision located approximately 1.0 mile off of State Highway 46, approximately 0.2 miles from Loop 337 in the City of New Braunfels ETJ, at the south end of Oakrun Parkway. It consists of approximately 15 acres containing 12 lots with lot sizes of 1.001 acres and larger. Water service will be provided to each lot. The utility purveyor will be New Braunfels Utilities. On-site sewerage facilities will provide sewer service to each lot.



- 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).
14. ☒ 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 §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

15. Under 30 TAC §213.14, application fees are due and payable at the time the application is filed. I understand that if the correct fee is not submitted, the TNRCC 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:
- ☐ Austin central office
  - ☐ Austin regional office (for projects in Hays, Travis, and Williamson Counties)
  - ☒ San Antonio regional office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)
16. ☒ One (1) original and three (3) copies of the completed application shall be submitted to the appropriate Regional Office for distribution by the TNRCC to the local municipality or county, groundwater conservation districts, and the TNRCC's Central Office.
17. ☒ All items required for this development, as listed in the **APPLICATION GUIDELINES**, are attached.
18. As applicant for the proposed project I am aware that:
- ☒ **It is the applicant's responsibility to use the current TNRCC Edwards Aquifer application forms.**
  - ☒ The executive director must declare that the application is administratively complete or deficient within 30 days of receipt by the appropriate regional office and must complete the review of an application within 90 days after determining that it is administratively complete. Grounds for a deficient application include, but are not limited to, failure to pay all applicable application fees.
  - ☒ No person shall commence any regulated activity until a Water Pollution Abatement Plan for such activity has been filed with and approved by the TNRCC.

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 TNRCC review. The application was prepared by:

W. M. Norris, President  
HCG, Ltd., by: Norris Realty of Canyon Lake, Inc.  
by: W. M. Norris, President  
Print Name of Applicant/Owner/Agent

W M Norris  
Signature of Applicant/Owner/Agent

2/20/97  
Date

# GEOLOGIC ASSESSMENT



**GEOLOGIC ASSESSMENT**  
**FOR REGULATED ACTIVITIES ON**  
**THE EDWARDS AQUIFER RECHARGE/TRANSITION ZONES**  
**AND RELATING TO 30 TAC §213.5(b)(3), EFFECTIVE DECEMBER 27, 1996**

**PROJECT NAME:** \_\_\_\_\_ Hunter's Creek, Unit 11 \_\_\_\_\_

**TYPE OF PROJECT:** ☒ WPAP ☐ AST ☐ SCS ☐ UST

**PROJECT INFORMATION**

1. Project is on the: ☒ Recharge Zone ☐ Transition Zone ☐ Both

**Recharge Zone Boundary:**

- ☐ The Recharge Zone boundary is located on-site. This Geologic Assessment includes a description of the geologic or manmade features identified on-site.
- ☐ The Recharge Zone boundary IS located within the downgradient area.
- ☒ The Recharge Zone boundary IS NOT located within the downgradient area.

2. **100-year floodplain boundaries:**

- ☐ The 100-year floodplain is located on-site. This Geologic Assessment includes a description of the geologic or manmade features identified on-site and within the 100-year floodplain downgradient of the site for a distance of one-half mile or to the Recharge Zone boundary, whichever is less.
- ☐ The 100-year floodplain is located downgradient of the site within a distance of one-half mile or the Recharge Zone boundary, whichever is less. This Geologic Assessment includes a description of the geologic or manmade features identified on-site and within the 100-year floodplain downgradient of the site for a distance of one-half mile or to the Recharge Zone boundary, whichever is less.
- ☒ No part of the area downgradient of the site is located within the 100-year floodplain. This Geologic Assessment includes a description of the geologic or manmade features identified on-site.

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

Flood Insurance Rate Maps Comal County, Texas CPN 48463 0100 C and CPN 485463 0105 C  
Dated September 29, 1986.

3. ☐ This project is part of a multi-phase project. The Geologic Assessment is site specific and covers only that area undergoing review at this time.
- ☒ This is not a multi-phase project.
4. ☒ Geologic or manmade features are described and evaluated using the attached GEOLOGIC ASSESSMENT TABLE.
5. Soil cover on the project site is 0 to 5 feet thick. In general, the soil present appears to have the ability to:
- ☐ transmit fluid flow to the subsurface.
- ☒ impede fluid flow to the subsurface.
6. ☒ A stratigraphic column(s) is attached directly behind this page. The outcropping unit is at the top of the stratigraphic column.
7. ☒ A narrative description of the site specific geology for this project is provided directly behind this page.
8. ☒ Appropriate Geologic Map(s) are provided:

#### **SITE GEOLOGIC MAP**

The Site Geologic Map must be the same scale as the applicant's Site Plan.

Applicant's Site Plan Scale: 1" = 100'

Site Geologic Map Scale: 1" = 100'

**Items 9 through 13 must be included on the Site Geologic Map.**

9. ☒ The Project Site is shown and labeled.
10. ☒ Surface Geologic Units are shown and labeled.
11. **Geologic or manmade features.**
- ☐ 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.

Stratigraphic Column  
Hunter's Creek, Unit 11  
New Braunfels, Texas

Geologic Formation	Description	Thickness (feet)
Del Rio Clay (Kdr)	Clay, dark blue green to yellow brown, variably gypsiferous.	40-50
Person Limestone (Kep)	Limestone, hard, some recrystallized, variably dense to very porous with some honeycombed beds, dense shaly, clayey limestone marks the base.	130-180
Kainer Limestone (Kek)	Limestone, hard, some recrystallized, dolomitic limestone and leached evaporatic rocks. Lower section honeycombed and cavernous. Upper section dense, chalky to hard, medium grained limestone.	230-285

## Hunter's Creek, Unit 11 Geologic Narrative

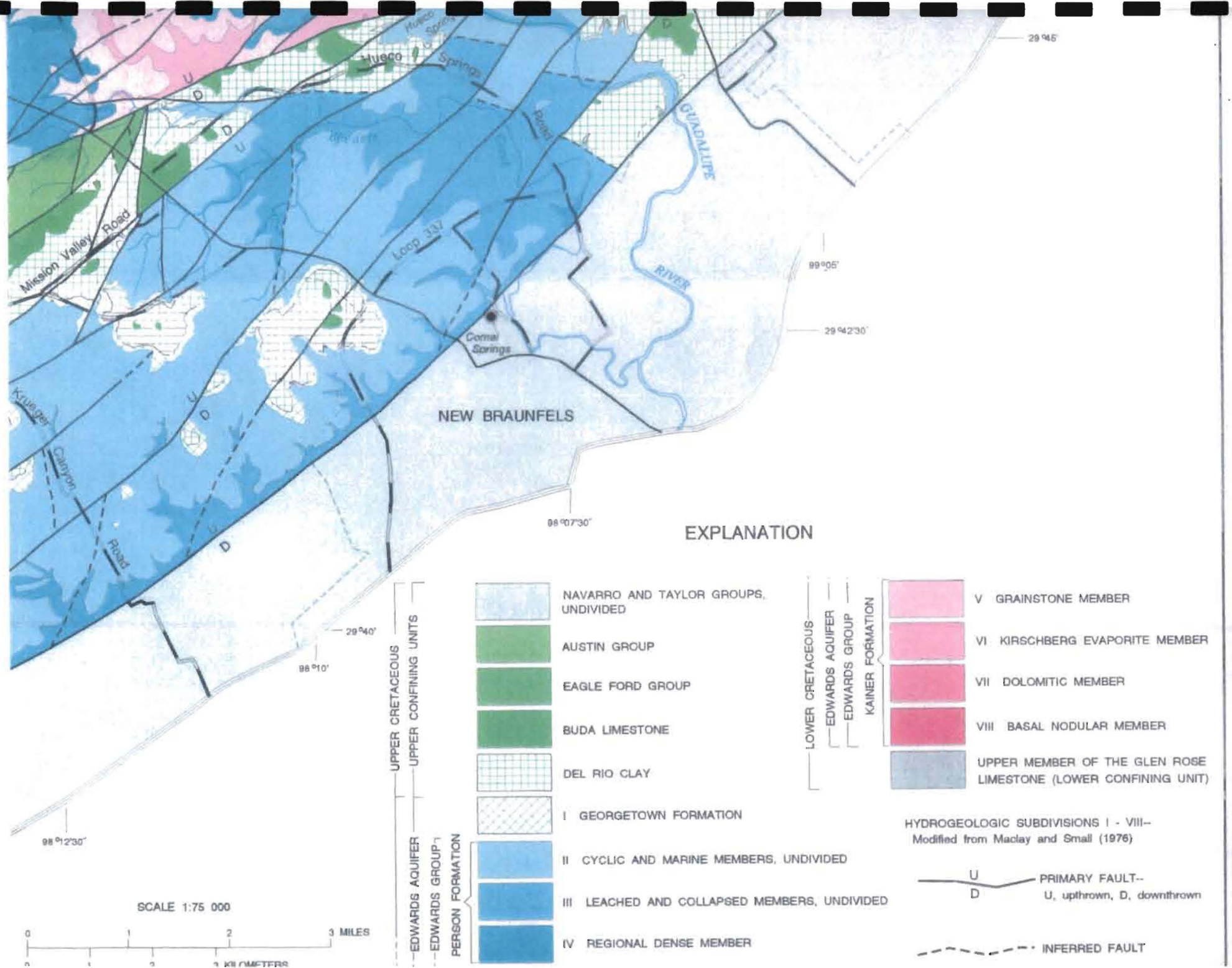
Hunter's Creek, Unit 11, is underlain by the Del Rio Clay, Georgetown Formation, and the Person Formation. The Georgetown, if present, is reportedly less than 10 feet thick and may be covered by a soil veneer deposit from the overlying Del Rio Clay. The cyclic and marine members (undivided) of the Person Formation are present on the tract and are also present downstream of the site. The leached and collapsed members (undivided) have been mapped in the drainage north of the site near the intersection of the drainage path and State Highway 46. A fault is inferred to lie along the drainage path with the leached and collapsed members exposed on the western side of the drainage path and the cyclic and marine members exposed on the eastern side.

The Edwards Group is about 440 feet thick in Comal County and consists of limestone with chert in the form of nodules, lenses and discontinuous beds. The leached and collapsed members, undivided consist of variably burrowed mudstone, grainstone, and crystalline limestone with chert lenses common. The cyclic member was reportedly eroded prior to the deposition of the Georgetown Formation. The remaining marine member consists of medium to thick beds of mudstone and fossiliferous packstone.

The cyclic and marine members (undivided) has moldic and vuggy porosity and permeability associated with fossiliferous zones, and fracture porosity and permeability with faulting. The leached and collapsed members (undivided) has vuggy and burrow porosity and permeability assisted with burrowed zones; breccia and cavern porosity and permeability associated with collapsed zones resulting from dissolution of evaporites; and fracture porosity and permeability associated with faulting.

One inferred fault lies along the downstream drainage path and another fault lies northwest of the tract cutting across the downstream drainage path. Neither of these faults were observed in the field survey.





12. ☒ The Recharge Zone boundary and the 100-year floodplain is shown and labeled, if appropriate.

13. 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.

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

#### **DOWNGRADIENT GEOLOGIC MAP**

Downgradient Geologic Map Scale: 1" = 400'

**Items 14 through 16 must be included on the Downgradient Geologic Map.**

14. ☒ Surface Geologic Units are shown and labeled.

15. **Geologic or manmade features:**

☒ Geologic or manmade features were discovered within the downgradient area. They are shown and labeled on the Downgradient Geologic Map and described in the attached Geologic Assessment Table.

\_\_\_ No geologic or manmade features were discovered within the downgradient area.

16. 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.

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

## ADMINISTRATIVE INFORMATION

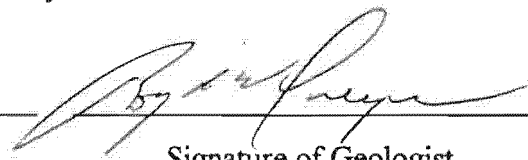
17. ☒ One (1) original and three (3) copies of the following forms, in the order listed below, have been provided.

- This Form
- Geologic Assessment Table
- Site Geologic Map
- Downgradient Geologic Map (if needed)

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

Boyd V. Dreyer

Printed Name of Geologist



Signature of Geologist

10/20/97

Date

Representing: GeoConsul Phone: (512) 312-0714 Fax: (512) 280-1761

Geologic Consulting Company

This Geologic Assessment was conducted on the following date(s): 1/27/96

Geologist's Comments  
Hunter's Creek, Unit 11

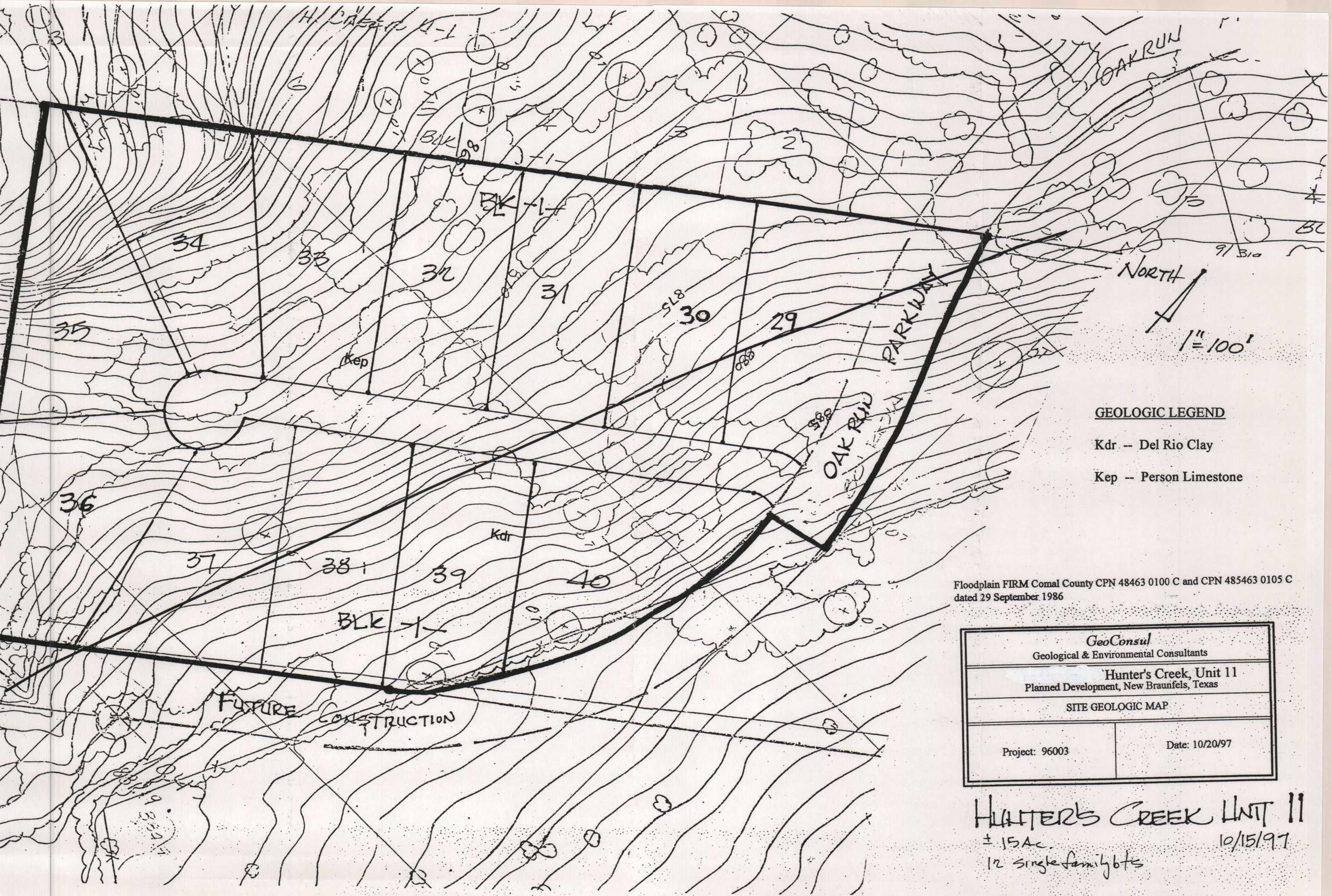
<u>Feature</u>	<u>Type</u>	
A-1	FZ	Feature is a fault which was not observed in the field investigation. The fault was reported in the U.S. Geological Survey Water-Resources Investigations Report 94-4117 entitled Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Coal County, Texas.
A-2	FZ	Feature is an inferred fault which was not observed in the field investigation. The fault was reported in the U.S. Geological Survey Water-Resources Investigations Report 94-4117 entitled Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Coal County, Texas.
A-3	MM	Feature is a impoundment on the south side of Highway 46 founded in the Person Limestone. The impoundment is believed to have been created by the construction of Highway 46.



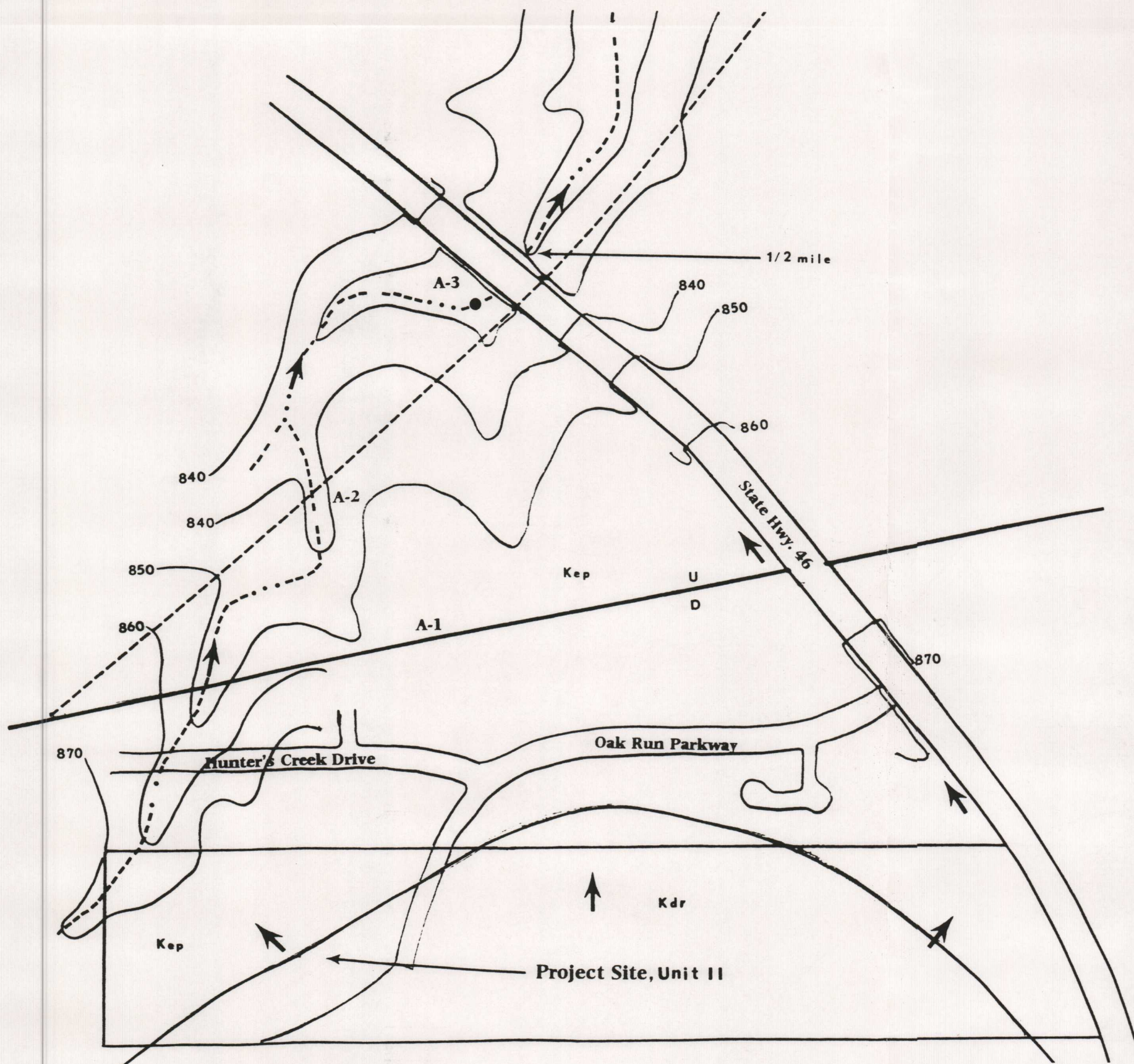
### The Gardens of Hunter's Creek, Unit 11

Sheet 1 of 1









# **GEOLOGIC LEGEND**

Kdr - Del Rio Clay

Kep - Person Limestone

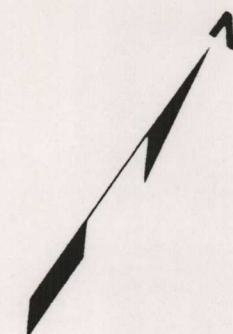
A-1 - Geologic Feature

➔ - Drainage Path

— - Fault

- - - - Inferred Fault

Scale 1" = 400'



<p><b>Geo Consul</b> Geological and Environmental Consultants</p>	
<p>Project: <b>Hunter's Creek</b> Planned Development New Braunfels, Texas</p>	
<p>Title: <b>Downgradient Geologic Map</b> <b>Hunter's Creek</b></p>	
Plate No. II	Project No. 96003
Drawn By: BD Date: 2/24/96	Approved By: BD Date: 2/24/96

Revised 7/30/97, 10/20/97

Floodplain FIRM Comal County CPN 48463 0100 C and CPN 485463 0105 C  
dated 29 September 1986



WATER POLLUTION

ABATEMENT PLAN

APPLICATION

**WATER POLLUTION ABATEMENT PLAN APPLICATION**  
**FOR**  
**CONSTRUCTION OF REGULATED ACTIVITIES**  
**ON THE EDWARDS AQUIFER RECHARGE ZONE**  
**AND RELATING TO 30 TAC §213.5(b), EFFECTIVE DECEMBER 27, 1996**

PROJECT NAME: Hunter's Creek Subdivision, Unit Eleven

**PROJECT INFORMATION**

1. The type of project is:  
  x   Residential: # of Lots:      12       
      Residential: # of Living Unit Equivalents:             
      Commercial  
      Industrial  
      Other:
2. Total Acreage (Size of project):      15 acres
3. Projected population:      45
4. The amount and type of impervious cover is shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	3200 per lot	÷ 43,560 =	0.9
Parking/Paved Surfaces	52800 per lot	÷ 43,560 =	1.2
Other:	1000 per lot	÷ 43,560 =	0.3
Total Impervious Cover		÷ 43,560 =	2.4
Total Impervious Cover ÷ Total Acreage x 100 =			16 %

**STORMWATER TO BE GENERATED BY THE PROPOSED PROJECT**

5. A description of the character and volume of the stormwater runoff which is expected to occur from the proposed project is attached directly behind this page.

**WASTEWATER TO BE GENERATED BY THE PROPOSED PROJECT**

6. The character and volume of wastewater is shown below:  
  100   % Domestic      6750      gallons/day

5. The character of stormwater runoff generated by this development should be what is expected from low density single family occupation. No commercial activity will be allowed. The standard non-point low density runoff from parked vehicles and yards will occur.

The amount of runoff generated from this development on a 25 year basis is computed as follows:

Drainage Area on-site            - 15 acres  
Time of Concentration,  $t_c$  = 15 minutes  
Runoff Coefficient,  $c$             = 0.65  
Rainfall intensity,  $I_{25}$         = 7.0

Runoff Quantity  $Q_{25}$  = CIA  
                          = 0.65 (7.0)(15.0)  
                           $Q_{25}$  = 68 cfs

_____ % Industrial	_____ gallons/day
_____ % Commingled	_____ gallons/day
<b>TOTAL</b>	<u>6750</u> gallons/day

7. Wastewater will be treated by:

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

An on-site sewage facility will be used to treat and dispose of the wastewater. The **appropriate licensing authority's written approval is attached directly behind this page.** It states that the land is suitable for the use of an on-site sewage facility or identifies areas that are not suitable.

  x   I verify that 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 registered engineer or sanitarian and installed by a licensed installer in compliance with 30 TAC §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. A letter from the owner of the Treatment Plant indicating that the plant has sufficient capacity and accepting the wastewater is attached directly behind this page.

8. \_\_\_\_\_ All private service laterals will be inspected as required in 30 TAC 213.5(c)(3)(I).

**SITE PLAN**

**Items 9 through 16 must be included on the Site Plan.**

9. The Site Plan must have a minimum scale of 1" = 400'.  
Site Plan Scale: 1" = 100'.

10.   x   **Layout of the development** (Location of lots, recreation centers, buildings, roads, etc.) is shown and labeled.

11. \_\_\_\_\_ A narrative description of any on-site chemical storage is provided directly behind this page.

12. **Geologic or manmade features** which are associated with this project:

\_\_\_\_\_ All **geologic or manmade** features identified in the Geologic Assessment are shown and labeled. Features associated with this project are those located on-site and those located either one-half mile downgradient or to the Recharge Zone boundary, whichever is shorter, and within the 100-year floodplain.

☒ **No geologic or manmade features** were identified in the Geologic Assessment.

\_\_\_\_\_ A Geologic Assessment is not required; however, **geologic or manmade** features were found and are shown and labeled.

\_\_\_\_\_ A Geologic Assessment is not required and no **geologic or manmade** features were found.

13. ☒ Existing topographic contours are shown and labeled. The contour interval is one foot. (Contour interval must not be greater than 5 feet).

14. \_\_\_\_\_ **Finished topographic contours** are shown and labeled. The contour interval is \_\_\_\_\_ feet. (Contour interval must not be greater than 5 feet).

☒ Finished topographic contours will not differ from the existing topographic configuration and are not shown.

15. **100-year floodplain boundaries**

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

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

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

FEMA Zone A, per the FIRM Flood Insurance Rate Map, Community-Panel #485463 0100 C, dated September 29, 1986, and Community-Panel #485493 0002 C, dated May 15, 1991 (panel not printed - area in Zone C) this property does not lie in Zone A.

16. **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.

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



**ADMINISTRATIVE INFORMATION**

17.   x   One (1) original and three (3) copies of the following forms, in the order listed below, have been provided.

- \* GENERAL INFORMATION FORM
- \* GEOLOGIC ASSESSMENT
- \* THIS FORM
- \* TEMPORARY STORMWATER SECTION
- \* PERMANENT STORMWATER SECTION
- \* ALL THE ADDITIONAL REQUIREMENTS LISTED ON THE APPLICATION GUIDELINES
- \* AGENT AUTHORIZATION FORM, if submitted by agent
- \* FEE FORM

18. Any modification of this WPAP will require TNRCC 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** is hereby submitted for TNRCC review. The application was prepared by:

HCG, Ltd.

by: Norris Realty of Canyon Lake, Inc., General Partner

by: W. M. Norris, President

Print Name of Applicant/Owner/Agent

  
Signature of Applicant/Owner/Agent

22 Oct 91  
Date



# STORMWATER POLLUTION PLAN NOTES

## I. PERMITTEE IDENTIFICATION

This Stormwater Pollution Prevention Plan (SWPP) is prepared in accordance with the guidelines in the Federal Register, Volume 57, No. 175, dated Wednesday, September 9, 1992, "Final NPDES General Permits for Storm Water Discharges from Construction Sites."

The Contractor and his subcontractors shall avoid the pollution of runoff water by adhering to the measures outlined in these "Notes" and/or specified on the "Plan". Contractor shall be held responsible for his actions and the actions of all of his subsequent subcontractors.

The Contractor shall provide the following Certification in writing to the Engineer prior to starting construction.

I, certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

SUBDIVISION:  
CO. NAME:  
ADDRESS:

RESPONSIBLE CO. OFFICER:  
TITLE:

## II. SITE DESCRIPTION

### A. NATURE OF CONSTRUCTION ACTIVITY

This SWPP addresses specifically the infrastructure construction of the above referenced development which is to involve the clearing and excavation for, and the installation of drainage, streets, and utilities (water, sanitary sewer, gas, electric, telephone, and cable television services).

The Developer may sell lots to a home builder(s) for the construction of single family dwellings in advance of the completion of the infrastructure. In some instances, initiation of new-home construction may occur prior to the stabilization of the infrastructure "disturbed area". Pollution and soil erosion control measures that are to be installed by the Contractor have been specifically designed to provide control of soil erosion and pollution originating from the infrastructure construction. Where possible, these control measures have also been designed to provide effective control of soil erosion and pollution originating on the lots due to new-home construction. However, each home builder(s) shall be responsible for all soil erosion and pollution originating from his lots during new-home construction.

The Contractor shall file a "Notice of Termination" (N.O.T.) for infrastructure construction activities after the area(s) disturbed by the infrastructure construction, and not being disturbed by new-home construction activity, has been permanently stabilized.

### B. INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

Typically the intended sequence of major activities which will disturb the soil during construction of the infrastructure are:

Implementation of SWPP;

Clearing vegetation from street right-of-ways;

Grading of streets to proposed subgrade elevation;

Rough grading of lots (if applicable);

Clearing vegetation, as needed, from utility easements;

Construction of utilities within street right-of-ways and utility easements;

Clearing vegetation, as needed, from drainage easements;

Construction of drainage improvements;

Placement of roadway section (base, curbs, and asphalt);

Construction of new-home(s) where the home builder(s) has started construction prior to the completion of the infrastructure;

Site cleanup and revegetation of parkways, drainage and utility easements, and graded or otherwise disturbed areas.

### C. SITE AREA

Typically the street right-of-way and drainage/utility easements is where the majority of the soil disturbance during infrastructure construction is expected to occur.

### D. SITE RUNOFF FACTORS

After infrastructure activities are completed and disturbed areas are stabilized, concentrations of suspended solids in the stormwater runoff from the site are expected to be approximately at pre-development levels. After new-home construction is complete, runoff may contain modest concentrations of organic wastes (from pets), small concentrations of fertilizers (lawn and shrub care) and hydrocarbons (from streets and vehicle droppings), and possibly trace amounts of pesticides and herbicides.

### E. SITE MAP

A Stormwater Pollution Prevention Plan (SWPP) showing site topography, drainage patterns, and proposed soil erosion and sedimentation control measures has been prepared to meet the requirements of Article IV.C.1 a of the NPDES Requirements for Construction Site Permits.

### II. SOIL EROSION AND SEDIMENT CONTROL MEASURES

Temporary control of pollution, soil erosion and sedimentation in particular, for this project will be accomplished through the installation of structural barriers to trap and filter silt from runoff waters and the temporary stabilization of disturbed areas. Permanent control will be achieved by permanently stabilizing disturbed areas through sodding or seeding with standard lawn or native grasses. The control measures specified on the "Stormwater Pollution Prevention Plan" for the site will be installed and maintained by the Contractor(s) during the entire time infrastructure construction is in progress and until the N.O.T. is filed. The Contractor, as part of final site cleanup, will remove all installed erosion control measures not being specifically turned over to other responsible parties.

#### A. INFRASTRUCTURE CONSTRUCTION

Soil disturbances shall be minimized by exposing only the smallest practical area of land required for the construction activity and for the shortest practical period of time. Trenching and associated backfilling for utilities and storm drainage shall be coordinated to minimize the time period of the disturbance. Maximum practical use of natural vegetation for erosion control will be used by leaving this vegetation in place until clearing is necessary. All clearing will be completed as directed and approved by the Engineer.

#### 1. STABILIZATION PRACTICES

Construction entrances, parking and staging areas, shall be stabilized with coarse aggregate or as otherwise directed by the Engineer.

All significant disturbed areas, other than planned roadways, where construction has been completed, temporarily halted, or no further work is planned for 21 days or longer, shall be revegetated within 14 days of the last construction activity.

Landscaping may be provided by contractor as may be provided for elsewhere within contract or within a separate contract.

#### 2. STRUCTURAL PRACTICES

To intercept off-site overland sheet flow, diversion dikes/swales will be constructed along the boundaries if necessary as shown on the Plan before street or utility construction begins. The channel areas of these dikes/swales will be lined as directed on the Plan or by the Engineer. These dikes and swales, which serve to protect the subdivision from overland flow from the adjacent upgradient areas, will be left in place until infrastructure construction is completed unless specifically noted otherwise.

#### B. NEW HOME CONSTRUCTION

It is expected that new-home construction may have commenced on some of the platting lots prior to completion of the infrastructure construction. For the construction activity on these lots, individual home builders may be expected to install a silt fence or some other form of generally accepted soil erosion control. Contractor has the right to file a Notice of Termination (N.O.T.) after the area(s) disturbed by the infrastructure construction, and not associated with any new-home construction activity, have been permanently stabilized and accepted by the Engineer.

Areas of lots that must have grade adjustments (excavation and/or fill) shall be revegetated within 14 days unless building construction, or some other land use activity, is to commence within 21 days. As much as possible, natural vegetation will be left in place and undisturbed.

## C. OTHER MISCELLANEOUS CONTROLS

The Contractor shall avoid the pollution of runoff water by using "best management practices."

Some best management practices which the Contractor shall be expected to conform to are as follows:

All construction and related activities shall comply with applicable state and/or local regulations.

A stabilized construction exit is to be provided which will help to reduce vehicle tracking of sediments. All vehicular traffic leaving the construction site (prior to improved streets) will exit through this stabilized area as located on the SWPP. When soils have collected on the stabilized vehicular exit to an extent which reduces its intended effectiveness, the surface will be cleaned or, if needed, replaced.

Construction materials for each phase of construction shall be stored within a designated storage area(s) whose size, shape and location shall be approved by the Engineer.

Construction equipment (except large, slow moving equipment) not removed from the site at night shall be stored in the designated area(s).

Sediment collected behind silt fences or in sediment traps will be periodically collected and placed as fill material within the property as approved by the Engineer.

The use of temporary construction fuel storage tanks on-site will not be allowed. Release of vehicle fluid(s) onto the ground shall not be allowed. Tainted soil resulting from any spill(s) shall be promptly removed and disposed of by the Contractor in accordance with all applicable regulations. Soil shall be replaced at Contractor's expense.

Rinsing out concrete trucks will not be allowed unless a controlled area on site is designated and approved for a rinse-out pit. Pits shall be surrounded by a berm and/or silt fence to prevent runoff of contaminated water.

Construction waste materials, domestic garbage, etc. shall be periodically collected and properly disposed of off-site.

All sanitary waste from any portable units shall be regularly collected and disposed of by a licensed sanitary waste management contractor.

Chemicals, solvents, paints, and other potentially toxic materials must be protected from rainfall and surface runoff water while stored.

In the event that hazardous waste materials are encountered, all hazardous waste will be disposed of in the manner specified by federal, state and/or local regulations, and as specified by the manufacturer.

## D. STATE AND LOCAL REQUIREMENTS

The Contractor shall comply with all applicable Federal, state or local stormwater pollution prevention control regulations for construction activities that this project may be within the jurisdiction of.

Following the filing of a N.O.T., all soil erosion control measures installed by the Contractor or subcontractors will be removed unless specifically instructed otherwise. In case of the latter, the responsible party(s) will be identified which is to become fully responsible for those control measures. As previously noted, street parkways, utility easements, and any constructed earthen channels will be permanently stabilized.

## E. MAINTENANCE

All control measures, as well as general site conditions, shall be inspected at least once every seven (7) calendar days and within 24 hours following any 1/2 inch, or greater, rainfall. Silt accumulations in excess of 12 inches or 1/4 of the height/depth of the control measure, whichever is less, shall be removed. The removed silt shall be deposited within the project at a location not subjected to concentrated runoff. Any damaged or non-functioning control measure(s) shall be repaired immediately. Until such time that the Construction Contract is 100% complete, the Contractor shall remain fully responsible for the maintenance of the erosion control measures installed for the project. Any silt fences or other erosion control barrier temporarily moved from its designated location to facilitate work shall be replaced at the end of each work day or if rain appears imminent.

## F. INSPECTION OF CONTROL MEASURES

The person or entity primarily responsible for inspection of pollution prevention and erosion control measures for the subject site is that person or entity designated by the Contractor. Reports of the weekly inspections, recording the scope of the inspection, name of inspector, date of inspection, major observations, and actions taken as a result of the inspection, shall be recorded with copies provided to the Engineer on a weekly basis. These reports shall be retained by the Contractor as part of storm water NPDES data for three years after the N.O.T. for the project is filed.

As a minimum, the inspector shall observe: disturbed areas for evidence of erosion; storage areas for evidence of leakage from stored materials; structural controls; stabilized construction exits for evidence of off-site sediment tracking; vehicle storage areas for signs of leaking equipment or spills; and concrete truck rinse-out pits for signs of potential failure. All deficiencies noted during the inspection will be documented and corrected within seven calendar days following the inspection.

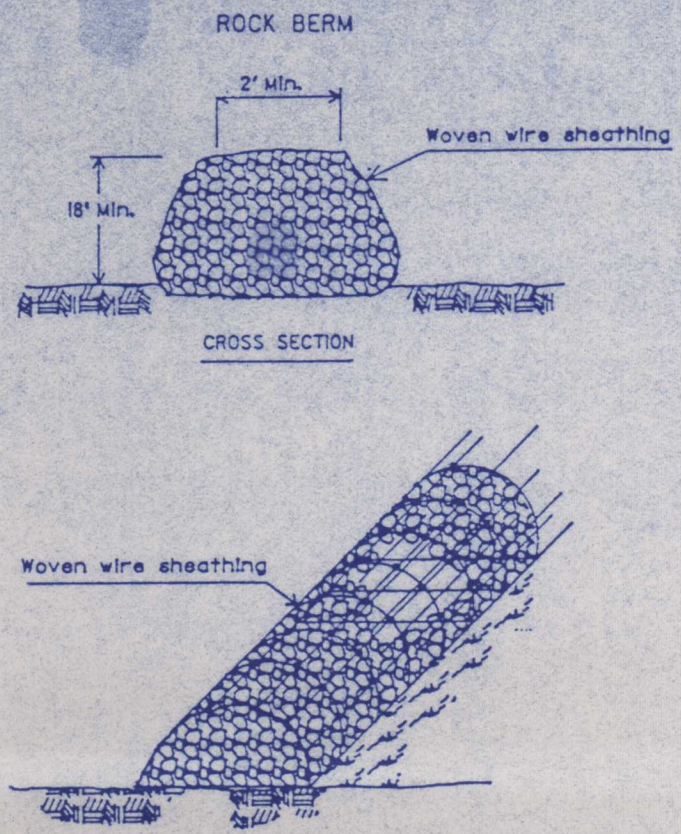
## G. NON-STEM WATER DISCHARGES

Some discharges associated with activities such as pressure testing of newly installed water system and sewer system (sanitary, water testing, curbs, and clearing and testing activities for construction are expected. For such activities, the Contractor is hereby directed to use reasonable diligence to avoid causing unnecessary erosion. Any observed graded areas shall be promptly protected by construction.

## GENERAL NOTES for SEDIMENT & EROSION CONTROL

The following will be required of the Contractor:

- To comply with the Stormwater Pollution Prevention Plan (SWPP) filed for this Project with the EPA in accordance with the National Pollutant Discharge Elimination System General Permit, the following will be required of the Contractor:
  - An N.O.T. shall be submitted by the contractor to the E.P.A. in accordance with the National Pollutant Discharge Elimination System General Permit.
  - All control measures, as well as general site conditions, shall be inspected at least once every seven (7) calendar days and within 24 hours following any 1/2 inch, or greater, rainfall. Silt accumulations in excess of 12 inches or 1/4 of the height/depth of the control measure, whichever is less, shall be removed. Any sediment in the drainage culverts will be removed. The removed silt shall be deposited within the Project Limits at a location not subjected to concentrated runoff or removed to a Site Approved by the Engineer. Any damaged or non-functioning control measure(s) shall be repaired immediately. Until such time that the Construction Contract is 100% complete, the Contractor shall remain responsible for the maintenance of the Erosion Control Measures installed for the Project. Any erosion control barrier moved from its designated location shall be replaced at the end of each work day or if rain appears imminent. All Temporary Controls will be removed after the disturbed areas have been stabilized.
  - The Contractor will designate a Qualified Person(s) to perform the inspections. As a minimum, the Inspector shall observe the following:
    - Disturbed areas and areas used for storage of materials that are exposed to precipitation will be inspected for evidence of, or the potential for, pollutants entering the drainage system.
    - Erosion and Sediment Control Measures identified in the plan will be observed to ensure that they are operating correctly.
    - Discharge locations and points of site access will be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.
    - Locations where vehicles enter or exit the site will be inspected for evidence of off-site sediment tracking.
    - The vehicle/equipment Wash Area and the Rinse-out Pit will be inspected for loss of aggregate, proper drainage, and proper maintenance of sediment trap and washing equipment.
  - All deficiencies noted during the inspection will be documented and corrected within seven (7) calendar days following the inspection.
  - After any Phase of the Site is Temporarily Stabilized, inspections will be conducted at least once every month until Permanent Stabilization occurs and the N.O.T. is filed.
  - Based on the results of the inspection, the control measures of the SWPP will be Revised as appropriate after Approval from the Engineer.
  - A Report summarizing the Scope of the Inspection, names(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWPP and actions taken in accordance with the above will be made and signed in accordance with Part V.G of the NPDES General Permit. The Report will be retained as part of the SWPP for at least three (3) years from the date that the site is Permanently Stabilized and the N.O.T. is filed.
- To comply with this SWPP, the following will be required of the Contractor:
  - Compliance with the SWPP "notes" included elsewhere within these plans.
  - Purposeful release of vehicle or equipment fluids onto the ground will not be allowed. Contaminated soil resulting from accidental spills will be immediately removed and disposed of properly.
  - All construction (and personal) material/debris will be regularly collected and disposed of properly at an authorized landfill.
  - Construction equipment/vehicles will be limited to traveling within the limits of the Street Right-of-Way, Utility, Grading, and Construction Easements, and immediately upstream and downstream of Drainage Crossings.
  - All soils, sand, gravel, and excavated materials stockpiled on-site will have appropriately sized Erosion and Sedimentation Controls placed both upgradient and downgradient.
- To comply with this SWPP, the Contractor shall construct and maintain:
  - Stabilized Construction Exit(s) at all used access points to the site.
  - Rock Berms, Reinforced (wire backed) Silt Fences, or Silt Fences placed immediately downstream of all Drainage Crossings with sides flared back to meet the roadway embankment unless otherwise clearly shown on the Plan or directed by the Engineer.



### GENERAL NOTES:

- Use only open graded rock 4-8 inch diameter for streamflow conditions; use open graded rock 3-5 inches diameter for other conditions.
- The rock berm shall be secured with a woven wire sheathing having maximum 1 inch opening and minimum wire diameter of 20 gauge.
- The rock berm shall be inspected weekly or after each rain, and the stone and/or fabric core-woven wire sheathing shall be replaced when the structure ceases to function as intended, due to silt accumulation among the rocks, washout, construction traffic damage, etc.
- When silt reaches a depth equal to one-third the height of the berm or one foot, whichever is less, the silt shall be removed and disposed of in an approved site and in a manner as to not create a siltation problem.
- Daily inspection shall be made on Serve Service rock berms; silt shall be removed when accumulation reaches 6 inches.
- When the site is completely stabilized, the berm and accumulated silt shall be removed and disposed of in an approved manner.

STANDARD SYMBOL — RB —

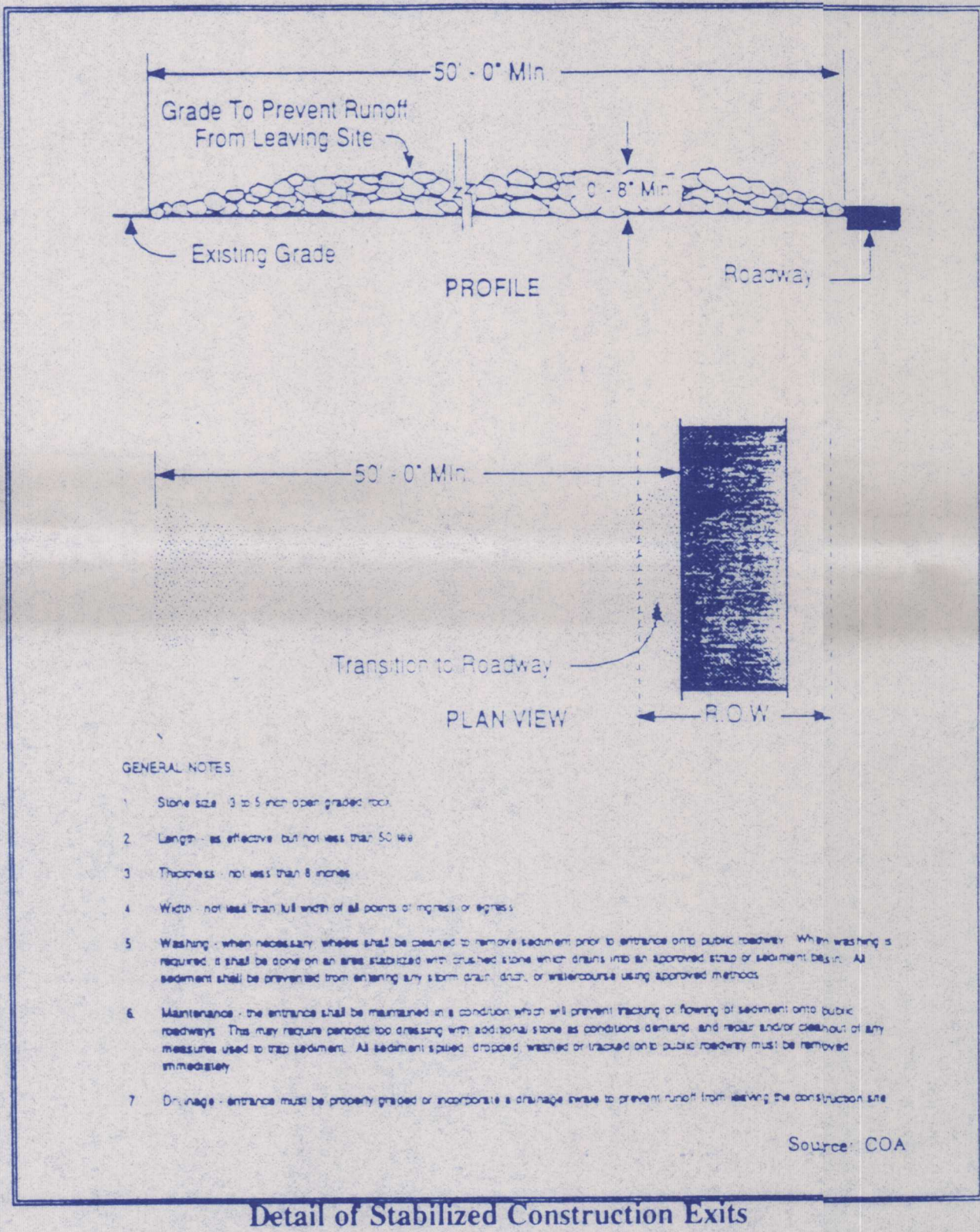
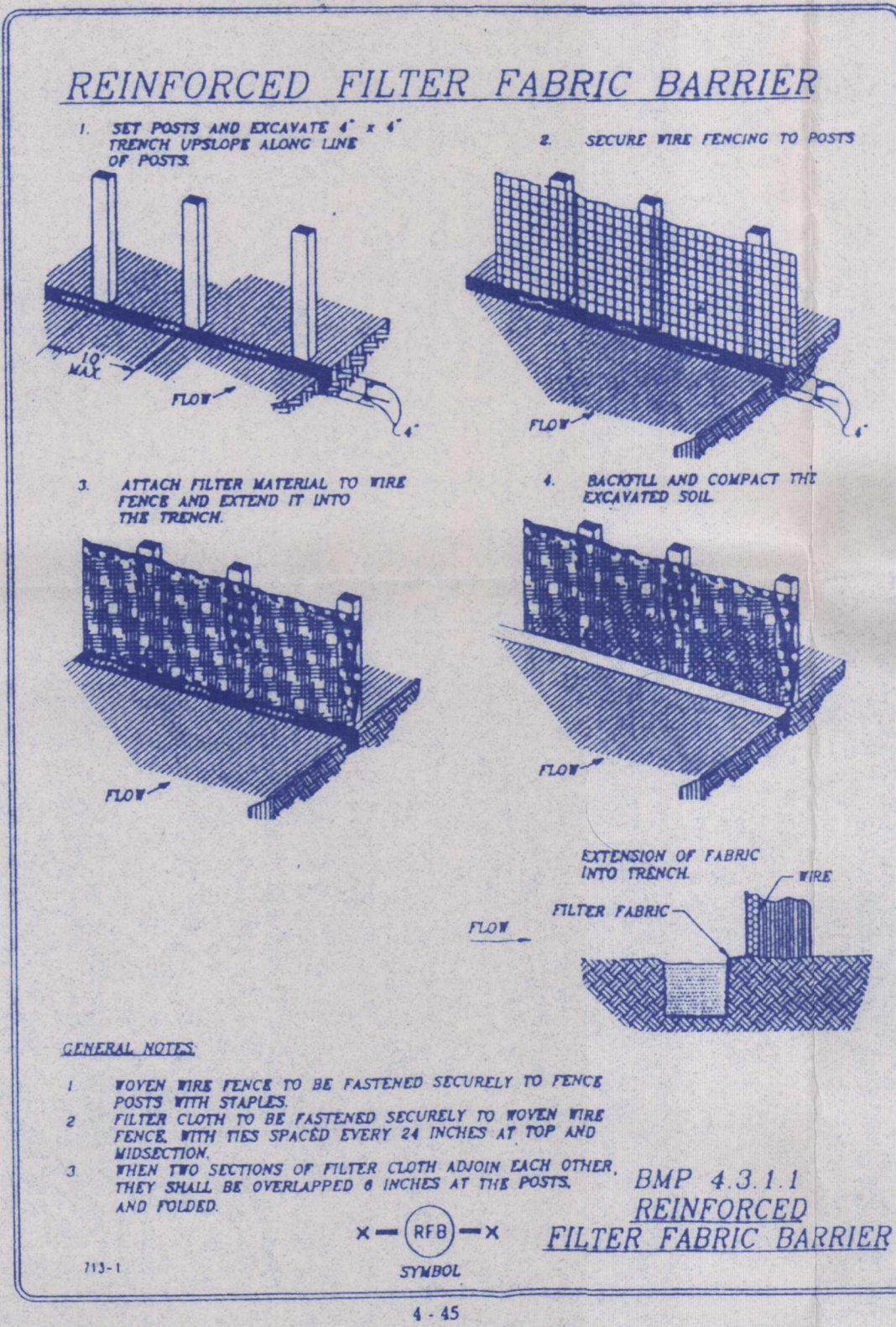
SOURCE: COA

Figure 1 - 6 Rock Berm

ENVIRONMENTAL DCM

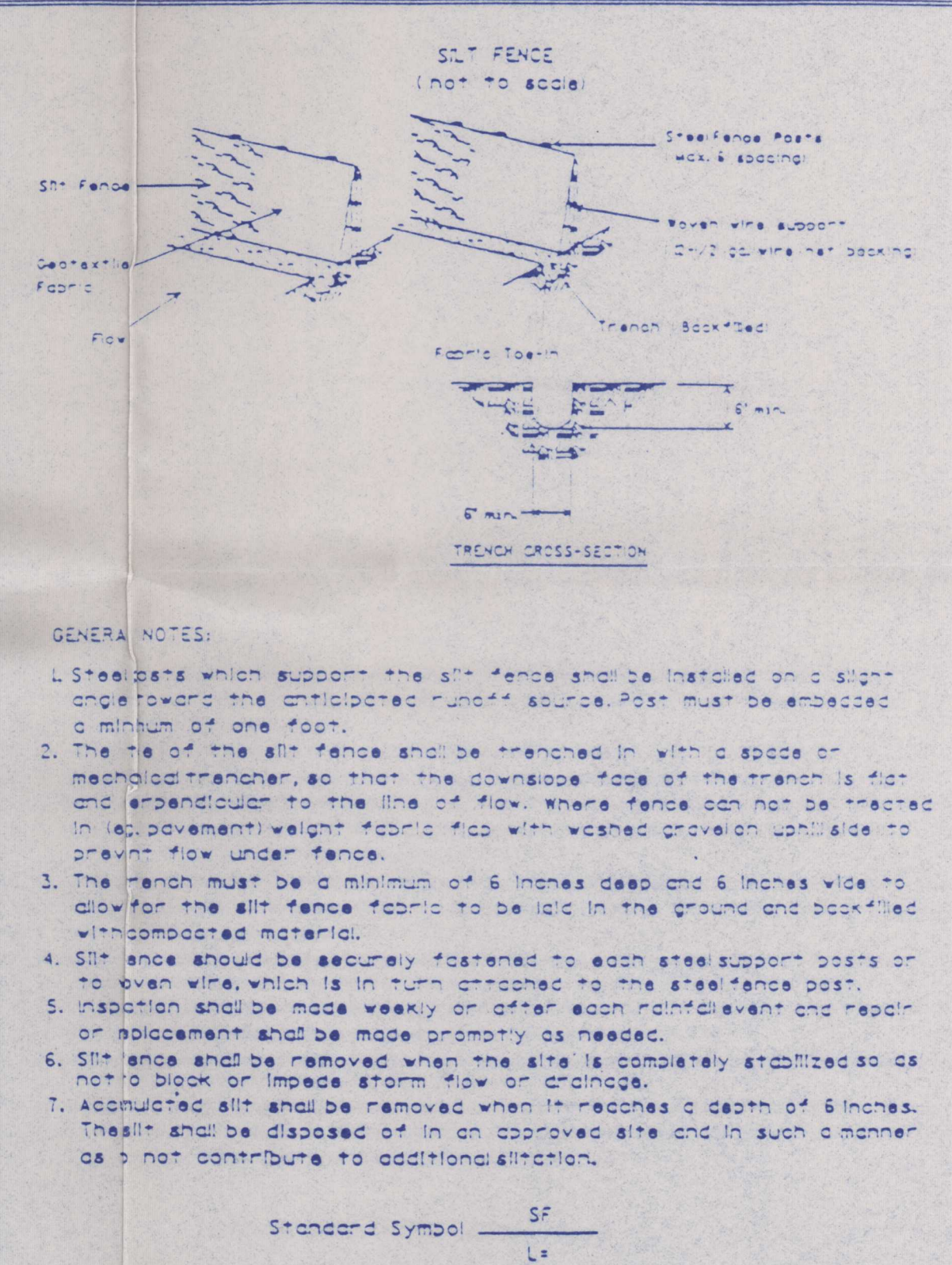
PAGE 1 - 29

## EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL



Detail of Stabilized Construction Exits

## EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL



Standard Symbol — SF —

L =

SOURCE: COA

S. CRAIG HOLLMIG, INC.  
engineers ~ surveyors  
new braunfels, texas

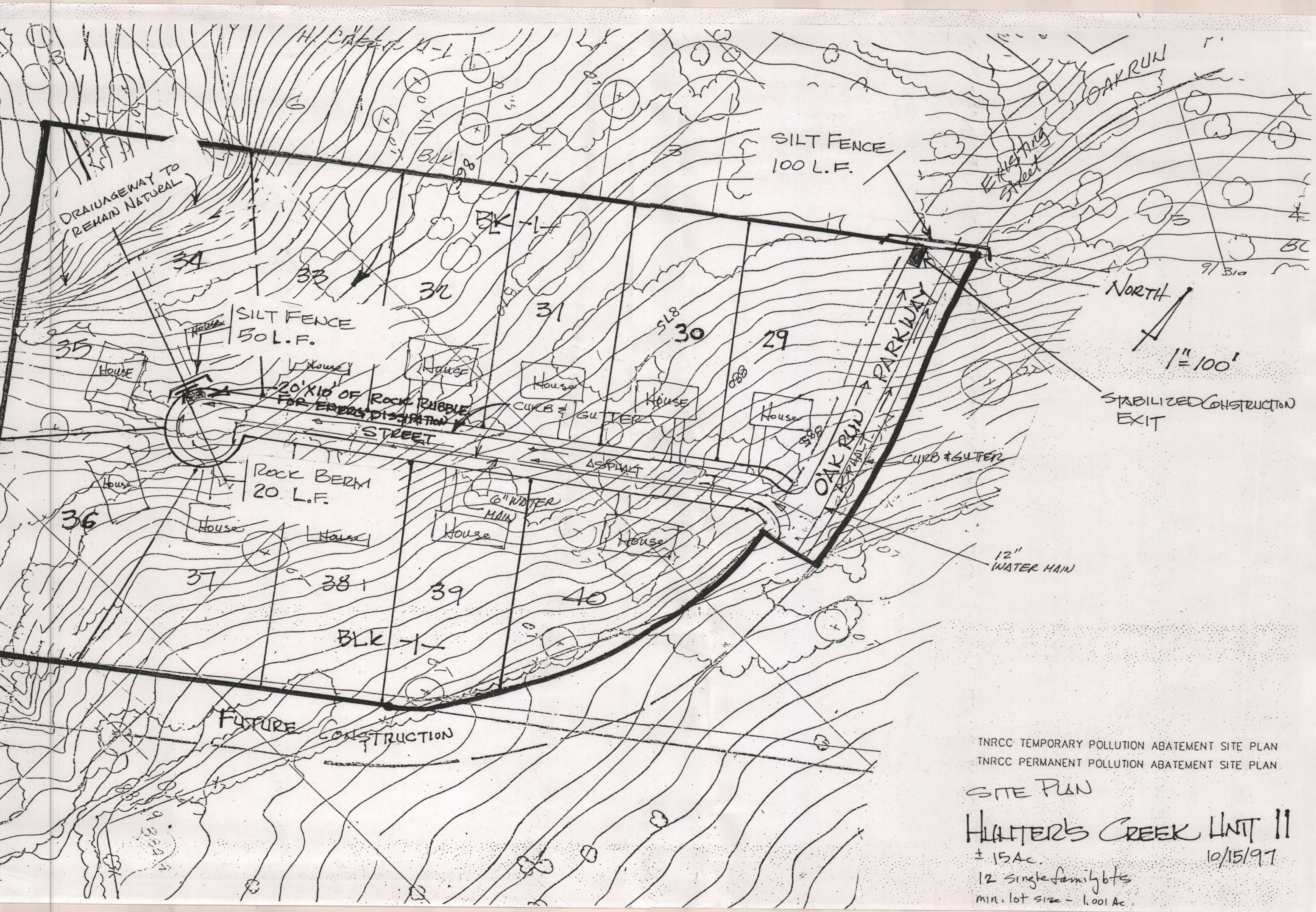
210/625-6555

HARTER'S CREEK #10411  
THRO TEMPORARY POLLUTION ABATEMENT SITE PLAN  
THRO PERMANENT POLLUTION ABATEMENT SITE PLAN



SHEET  
2  
OF  
2





TNRCC TEMPORARY POLLUTION ABATEMENT SITE PLAN  
TNRCC PERMANENT POLLUTION ABATEMENT SITE PLAN

SITE PLAN

HUNTER'S CREEK UNIT II

± 15 Ac.

10/15/97

12 single family bts

min. lot size - 1.001 Ac.



TEMPORARY STORMWATER

SECTION





2. If asphalt is to be used for paving, roofing, etc. describe measures that will be taken during construction to prevent seal coat, emulsion, or other asphaltic products from washing off the project site.

\_\_\_\_\_ No asphalt products will be used on this project.

x Asphalt products will be used on this project. After placement of asphalt, emulsion or coatings, the applicant will be responsible for immediate clean-up should an unexpected rain occur. For the duration of the asphalt product curing time, the applicant should maintain standby personnel and equipment to contain any asphalt wash-off should an unexpected rain occur.

\_\_\_\_\_ Other Measures. A narrative description is provided directly behind this page.

3. Fuels for construction equipment and hazardous substances which will be used during construction:

\_\_\_\_\_ Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year. A lined earthen berm providing 150% containment is recommended for the temporary aboveground fuel storage tank.

\_\_\_\_\_ 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. A lined earthen berm providing 150% containment will be provided for temporary aboveground fuel storage.

\_\_\_\_\_ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An **Aboveground Hydrocarbon and Hazardous Substance Application** must be submitted to the appropriate Regional Office of the TNRCC prior to moving the tanks onto the project.

x Fuels and hazardous substances will be provided by an off-site facilities.

- SM* 4. X A description of the measures that will be taken to contain any spill of hydrocarbons or hazardous substances is provided directly behind this page.

5. x 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.

6. x Construction equipment/vehicles will be limited, where possible, to traveling within the limits of the project site. Any soil, mud, etc. carried from the project onto public roads will be cleaned up within 24 hours.

- SA* 7. x All soil, sand, gravel and excavated materials stockpiled on-site will have appropriately sized erosion and sedimentation

*4. All hazardous materials from a spill will be cleaned up immediately following the incident and disposed of at a location off of the discharge zone*  
Page 2  
TNRCC-0602 (2/7/97)  
*Approved*

controls placed downgradient.

- 8. ☒ Intentional release of vehicle or equipment fluids onto the ground is prohibited. Contaminated soil resulting from accidental spills will be removed and disposed of properly.
- 9. ☒ All waste construction material and debris will be disposed of properly at an authorized facility.
- 10. ☐ Other potential sources of contamination. A narrative description is provided directly behind this page.  
☒ There are no other potential sources of contamination.

#### **SITE PLAN**

**Items 11 through 15 must be included on the Site Plan.**

- 11. ☒ Layout of development (Location of lots, buildings, roads, etc.) is shown and labeled.
- 12. Temporary pollution abatement measures for Sensitive Features:
  - ☐ Geologic or manmade features and temporary pollution abatement measures are shown and labeled.
  - ☒ There are no geologic or manmade features associated with this project.
  - ☐ No geologic assessment is required.
- 13. ☒ Stabilized Construction Exits are shown and labeled.
- 14. Appropriate temporary erosion and sedimentation controls are shown and labeled:
  - ☒ Silt fences (for drainage areas <2 acres)
  - ☒ Rock berms (for drainage areas <5 acres)
  - ☐ Sedimentation basins (drainage <100 acres)
  - ☐ Other measures. A narrative description is provided directly behind this page.
- 15. **Measures to be taken to prevent pollution of stormwaters originating on-site or upgradient of the site.**
  - ☐ Stormwater will be directed around the project site with diversion berms/channels/swales labeled on the TEMPORARY WPAP Site Plan. Approval has been obtained from the appropriate regulating authority.
  - ☒ Stormwater flow from upgradient will **flow across** the project site. A narrative description is provided directly behind this page.
  - ☐ Other measures are shown and labeled on the TEMPORARY WPAP Site Plan. A narrative description is provided directly behind this page.

15. Stormwater flow from the upgradient watershed should contain low levels of contamination associated with livestock because there is a ranch above the project that is undeveloped and used to graze cattle on the natural turf.

This is a low density development with about 84 percent of the land area to be in grass and other vegetation. This will provide some level of filtration of pollutants.



# **ADMINISTRATIVE INFORMATION**

16.   x   All structural controls will be maintained according to the submitted and approved operation and maintenance plan for the project.
17.   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 TNRCC Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TNRCC has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
18.   x   Contractor will construct and maintain silt fences, diversion berms, and other temporary erosion and sediment controls 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 TNRCC review. The application was prepared by:

HCG, LTD, by: Norris Realty of Canyon Lake, Inc., General Partner  
by: W. M. Norris, President  
Print Name of Applicant/Owner/Agent

W M Norris 2201797  
Signature of Applicant/Owner/Agent Date

16. Rock berms, silt fences and stabilized construction exits will be inspected weekly by the Contractor and repaired as needed. In addition, the Contractor shall inspect and repair these same controls immediately following each rain.

PERMANENT STORMWATER

SECTION





pollution control measure will be avoided where reasonable and practicable alternatives exist and will be evaluated by the executive director on a case-by-case basis.

☒ No naturally occurring geologic features were found on the project.

#### POTENTIAL SOURCES OF CONTAMINATION

3. List any potential sources of contamination associated with this project after construction is complete:

1. organic waste (domestic pets)
2. lawn and shrub care products (fertilizers, pesticides)
3. Hydro carbons from street and vehicle drippings
4. \_\_\_\_\_
5. \_\_\_\_\_

FOR MULTI-FAMILY, COMMERCIAL, INDUSTRIAL DEVELOPMENTS ANSWER ITEMS 4 THROUGH 6; OTHERWISE GO TO ITEM 7.

4. Measures to be taken to prevent pollution of stormwaters originating on-site or upgradient of the site.

\_\_\_\_\_ Stormwater will be directed around the project site with diversion berms/channels/swales labeled on the Permanent WPAP Site Plan. Approval has been obtained.

☒ Stormwater flow from upgradient will flow across the project site and will be included in sizing calculations for any pollution abatement measures. A narrative description is provided directly behind this page.

\_\_\_\_\_ Other measures are shown and labeled on the Permanent WPAP Site Plan. A narrative description is provided directly behind this page.

5. For multi-family residential, commercial, or industrial projects permanent stormwater pollution controls will be:

\_\_\_\_\_ **Sedimentation/Filtration basins** designed to capture the first one-half (1/2) inch of stormwater runoff. The criteria used for design of the permanent stormwater controls is from:

\_\_\_\_\_ City of Austin Environmental Criteria Manual

\_\_\_\_\_ **Full** sedimentation/filtration basin system

\_\_\_\_\_ **Partial** sedimentation/filtration basin system

\_\_\_\_\_ Lower Colorado River Authority Lake Travis Nonpoint Source Pollution Control Ordinance Technical Manual

\_\_\_\_\_ **Full** sedimentation/filtration basin system

\_\_\_\_\_ **Partial** sedimentation/filtration basin system

\_\_\_\_\_ Other. A detailed explanation of the design criteria is provided directly behind this page.

\_\_\_\_\_ **Vegetated filter strips** (Buffer Zone) designed to treat stormwater runoff. The criteria used for design of the

4. Stormwater flow from the upgradient watershed should contain low levels of contamination associated with livestock because there is a ranch above the project that is undeveloped and used to graze cattle on the natural turf.

Drainage structures, temporary stormwater, and permanent stormwater pollution prevention measures have been designed to accommodate upgradient stormwater flow. In addition, to minimize erosion, vegetative cover will be maintained in a natural state except for street R.O.W. and Lot Line clearing.

vegetated filter strips is from:

- ☐ City of Austin Environmental Criteria Manual
- ☐ Lower Colorado River Authority Lake Travis Nonpoint Source Pollution Control Ordinance Technical Manual
- ☐ Other. A detailed explanation of the design criteria is provided directly behind this page.

☐ **Alternative method.** A detailed explanation of the design criteria, including calculations showing pollutant removal rates, is provided directly behind this page. All submittals shall be signed and sealed by a registered professional engineer.

☒ This is a single-family residential subdivision.

6. ☐ n/a Scaled plans, profiles, and details are included which illustrate that the proposed treatment system is sized appropriately. Supporting calculations are shown on the plan sheet, including:

- ☐ Volume of stormwater to be treated
- ☐ Sizing of permanent pollution abatement measures.

#### **OPERATION AND MAINTENANCE PROCEDURES**

7. ☐ n/a The maintenance plan and schedule for each permanent pollution abatement structure or measure is provided directly behind this page.

#### **STREAM CONTAMINATION AND/OR EROSION**

8. If construction of the project will increase flashing, create stronger flow and stream velocity, or otherwise increase instream erosion and the degradation of water quality, measures to avoid or minimize the surface stream contamination or changes in the way that stormwater enters the stream must be taken.

☐ The project will not increase the peak of the downgradient instream stormwater hydrograph or the downgradient velocity of the stream.

☒ The project will increase the peak of the downgradient instream stormwater hydrograph and/or the downgradient velocity of the stream. A description of the measures to avoid or minimize the effects of the regulated activity on the downgradient stream is provided directly behind this page.

#### **SITE PLAN**

**Items 9 through 15 must be included on the Site Plan.**

9. ☒ Layout of development (Location of lots, buildings, roads, etc.) is shown and labeled.
10. ☐ Geologic or manmade features are shown and labeled.
- ☒ There are no geologic or manmade features associated with



8. In order to minimize the effects of an increase in the peak runoff from this development, the subdivider chose to leave the natural drainageway crossing the southwest corner of this tract in its natural condition. This drainageway remains in its natural condition for miles downstream through two residential developments.

this project.

11. ☐ Vegetated filter areas are shown and labeled.  
☒ There are no vegetated filter areas associated with this project.
12. ☐ Sedimentation/filtration basins are shown and labeled.  
☒ There are no sedimentation/filtration basins associated with this project.
13. ☒ Berms, channels, etc. showing velocity controls are shown and labeled.  
☐ There are no berms, channels, etc. associated with this project.
14. ☒ Areas of concentrated runoff with appropriately sized energy dissipators at each outfall are shown and labeled.  
☐ There are no areas of concentrated runoff (channels, culverts, drainage pipe discharges, etc.) associated with this project.
15. ☐ Other pollution abatement measures are shown and labeled. A narrative description is provided directly behind this page.

#### ADMINISTRATIVE INFORMATION

16. ☐ All structural controls will be maintained according to the submitted and approved operation and maintenance plan for the project.
17. ☒ 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 TNRCC Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TNRCC has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

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 TNRCC review. The application was prepared by:

HCG, Ltd., by: Norris Realty of Canyon Lake, Inc., General Partner  
by: W. M. Norris, President  
Print Name of Applicant/Owner/Agent

W. M. Norris  
Signature of Applicant/Owner/Agent

7/10/97  
Date

**TEXAS NATURAL RESOURCE CONSERVATION COMMISSION**  
**WATER POLLUTION ABATEMENT PLAN**  
**GENERAL CONSTRUCTION NOTES**

1. The construction activities associated with this project must meet all applicable criteria of the Texas Natural Resource Conservation Commission set forth in 30 Texas Administrative Code (TAC) §213.5(b) - Water Pollution Abatement Plan for Regulated Activities undertaken on the recharge zone of the Edwards Aquifer.
2. Temporary erosion and sedimentation controls are required during construction. The controls must remain in place until disturbed areas are revegetated and the areas have become permanently stabilized. The temporary erosion and sedimentation controls must be inspected periodically for damage caused by construction activities and following every rainfall. Damaged or obstructed controls must be repaired or replaced as necessary to maintain proper operation.
3. If any sensitive feature is discovered during construction, regulated activities near the sensitive feature must be suspended immediately. The owner must immediately notify the appropriate regional office of the Texas Natural Resource Conservation Commission of the sensitive feature discovered. The regulated activities near the sensitive feature may not proceed until the executive director has review and approved the methods proposed to protect the sensitive feature and the Edwards Aquifer from any potentially adverse impacts to water quality while maintaining the structural integrity of the line.
4. Any modification to the approved Water Pollution Abatement Plan must be submitted to the appropriate regional office for approval by the executive director of the Texas Natural Resource Conservation Commission before construction of the proposed modification may commence.
5. All contractors conducting regulated activities associated with this project must be provided with copies of the approved Water Pollution Abatement Plan and the TNRCC 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.

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



ck # 169  
 Receipt # 1799  
APPLICATION FOR LICENSING AUTHORITY RECOMMENDATION FOR PRIVATE SEWERAGE  
FACILITIES A PROPOSED SUBDIVISION

OCT 24 1997

Date: October 23, 1997  
 Subdivision Name: Hunter's Creek, Unit Eleven  
 Owner's Name: HCG, Ltd; by: Norris Realty of Canyon Lake  
 Address: 130 W. Jahn; New Braunfels, Tx 78130  
 Phone #: (830) 625-4151

Subdivision Fees: 5 or less lots  
 /tracts: \$20.00 per lot  
 6 or more lots/tracts: \$100.00  
 Basic Fee plus \$5.00 per lot or  
 tract. Total Fee: \$160.00

by: W.M. Norris, President  
TO DEVELOPERS OF SUBDIVISIONS:

Make check payable to:  
 COMAL COUNTY TREASURER

All waterwells, both public and private, located on-site, shall be at least one hundred fifty feet (150') from all on-site sewerage facilities and contained within the lot or tract property lines. All abandoned waterwells be properly plugged according to Waterwell Driller's Rules, Section 287.40, Standards for Plugging Wells. Call this department for inspections of such wells.

That each prospective purchaser, lessee or renter be informed in writing: Per order of Commissioners' Court, March 13, 1989, any transfer of property after January 1, 1989, which resulted from the partitioning of land, will be classified as an illegal subdivision. No county permits will be issued to owners of such tracts. Permits will not be issued for lots divided in platted subdivisions regardless of when it was divided unless the property is replatted in accordance to the subdivision regulations.

INSTRUCTIONS: All information required shall be supplied to the Licensing Authority before approval.

Attached is Chapter 7, Subdivisions, of the Rules for Comal County, Texas For Private Sewerage Facilities, in it's entirety and appropriate sections from the Construction Standards for On-Site Sewerage Facilities.

Section 7.02 explains the information that must be supplied. A U.S.G.S. map is also recommended to provide some of the information required.

Section 7.03 gives the critical information required for determining lot size and layout. It is important that a lot can accommodate a sewerage facility after natural features and land improvements are considered and after soil and site evaluation has been performed.

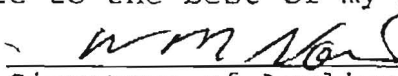
Section 7.04 is a public requirement.

-----  
 An organized disposal system is not feasible for this subdivision due to:  
 It is not economically feasible to serve this subdivision by means of an organized disposal system.

List the type and maximum size of the proposed construction for each lot.  
 (Example: 3 Bedroom average)

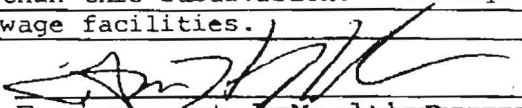
Residential, 3 bedroom average

The information provided is complete to the best of my knowledge as required in chapter 7.

  
 Signature of Applicant/Agent

\* \* \* O F F I C E U S E \* \* \*

APPROVED \_\_\_\_\_ APPROVED WITH CONDITIONS \_\_\_\_\_ Individual septic system  
 permits shall be required for the lots within this subdivision. Inadequate soil depths may  
 require numerous non-standard on-site sewage facilities.

  
 Environmental Health Department Officer  
 Comal County Engineer

AGENT AUTHORIZATION

FORM

**AGENT AUTHORIZATION FORM**  
**FOR SUBMITTAL OF**  
**EDWARDS AQUIFER PROTECTION PLANS**  
**FOR REGULATED ACTIVITIES ON THE**  
EDWARDS AQUIFER RECHARGE/TRANSITION ZONES  
AND RELATING TO 30 TAC §213.4(d), EFFECTIVE DECEMBER 27, 1996

I W. M. NORRIS,  
Print Name

PRESIDENT  
Title - Owner/President/Other

of NORRIS REALTY OF CANYON LAKE, INC., GENERAL PARTNER OF HGC, LTD.  
Corporation/Partnership/Entity Name

have authorized S. CRAIG HOLLMIG  
Print Name of Agent/Engineer

of S. CRAIG HOLLMIG, INC.  
Print Name of Firm

to represent and act on the behalf of the above named **Corporation, Partnership, or Entity** for the purpose of preparing and submitting this Edwards Aquifer Protection Plan application to the Texas Natural Resource Conservation Commission (TNRCC) for the review and approval consideration for construction of regulated activities on the Edwards Aquifer Recharge Zone or Transition Zone (30 TAC §213.4(d)).

I also understand that:

1. No regulated activity is allowed to commence prior to the executive director's approval of the Edwards Aquifer protection plan. If unauthorized construction begins before the approval is granted or if any aspect of the project does not conform to 30 Texas Administrative Code §213 and any condition of the TNRCC's approval letter, the TNRCC is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. Before beginning any construction related to the approved regulated activity, the appropriate TNRCC regional office must be given 24 to 48 hour written notice of the date when the regulated activity will commence.
3. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and the forms must accompany the completed submittal.
4. Application fees accompanied by an Edwards Aquifer Application Fee Form are due and payable at the time the application is submitted. The application fee must be sent to the Revenues Section of the TNRCC or to the appropriate regional office. **The application will**



not be considered until the correct fee is received by the commission.

HCG, LTD.

W.M. Norris  
Applicant's Signature

22 Oct 97  
Date

by: Norris Realty of Canyon Lake, Inc., General Partner  
by: W.M. Norris, President

THE STATE OF TEXAS §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared W. M. Norris 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 22<sup>nd</sup> day of October, 1997.



Florence H. Sultemeier  
NOTARY PUBLIC

Florence H. Sultemeier  
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 10/10/2001

**Signatories to Applications** 30 TAC §213.4(d)

(1) Required Signature. All applications must be signed as follows.

(A) For a corporation, a principal executive officer (president, vice-president, or a duly authorized representative) must sign the application. A representative must submit written proof of the authorization.

(B) For a partnership, a general partner must sign the application;

(C) For a political entity such as a municipality, state, federal or other public agency, either a principal executive

officer or a duly authorized representative must sign the application. A representative must submit written proof of the authorization.

(D) For an individual or sole proprietorship, the individual or sole proprietor must sign the application.

(2) Proof of Authorization to Sign. The executive director requires written proof of authorization for any person signing an application.

FEE APPLICATION  
FORM



**TEXAS NATURAL RESOURCE CONSERVATION COMMISSION  
EDWARDS AQUIFER PROTECTION PROGRAM  
APPLICATION FEE FORM**

NAME OF PROPOSED PROJECT: Hunter's Creek Subdivision, Unit Eleven

PROJECT LOCATION: South end of Oakrun Parkway, New Braunfels, Texas

NAME OF OWNER/DEVELOPER: HCG, Ltd, by: Norris Realty of Canyon Lake, Inc.,  
General Partner, by: W. M. Norris, President

OWNER'S ADDRESS: 130 W. Jahn; New Braunfels, Texas 78130

CONTACT PERSON: W. M. Norris PHONE: (830) 625-4151

Please Print

**AUSTIN REGIONAL OFFICE**

- ☐ Hays  
☐ Travis  
☐ Williamson

**SAN ANTONIO REGIONAL OFFICE**

- ☐ Bexar ☐ Medina  
☒ Comal ☐ Uvalde  
☐ Kinney

APPLICATION FEES MUST BE PAID BY CHECK, CERTIFIED CHECK, OR MONEY ORDER, PAYABLE TO THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION. YOUR CANCELED CHECK WILL SERVE AS YOUR RECEIPT. **TO ENSURE CREDIT TO THE PROPER ACCOUNT PLEASE RETURN THIS FORM WITH YOUR FEE PAYMENT. THIS PAYMENT IS BEING SUBMITTED TO (CHECK ONE):**

☒ **SAN ANTONIO REGIONAL OFFICE** ☐ **AUSTIN REGIONAL OFFICE**

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

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

Type of Application	Size	Fee Due		
		New (3373)	Modification (3374)	
WPAP	15 Acres	\$2000.00	\$	PAP
SCS	L.F.	\$	\$	SCS
Lift Stations without sewer lines	Acres	\$	\$	
UST/AST	Tanks	\$	\$	HHS
Piping System(s) (Installed without tanks)	Each	\$	\$	PSM
Extension of Time	Each	\$	\$	EXT

W M Norris  
Signature

2/20/97  
Date

