

SMITTY'S CAR WASH

RN 102837531
19220 Blanco Road
San Antonio, TX

Customer: Squirrels' Real Estate LLC

203 S. First St.
Lufkin, TX 75901

Water Pollution Abatement Plan Modification Application

23 May 2023

Prepared by:

AquaStrategies
Water Planning, Science & Engineering

11929 Fitzhugh Corners
Dripping Springs, Texas 78620
F. 15911



Justin C. Baker
05/23/2023

Modification of a Previously Approved Plan Checklist

/ Edwards Aquifer Application Cover Page (TCEQ-20705)

/ General Information Form (TCEQ-0587)

Attachment A - Road Map

Attachment B - USGS / Edwards Recharge Zone Map

Attachment C - Project Description

Submitted an
Exception
Request,
included with
TCEQ-0584

Geologic Assessment Form (TCEQ-0585)

Attachment A - Geologic Assessment Table (TCEQ-0585-Table)

Attachment B - Stratigraphic Column

Attachment C - Site Geology

Attachment D - Site Geologic Map(s)

/ Modification of a Previously Approved Plan (TCEQ-0590)

Attachment A - Original Approval Letter and Approved Modification Letters

Attachment B - Narrative of Proposed Modification

Attachment C - Current Site Plan of the Approved Project

/ Application Form (include any applicable to the proposed modification):

Aboveground Storage Tank Facility Plan (TCEQ-0575)

Organized Sewage Collection System Application (TCEQ-0582)

Underground Storage Tank Facility Plan (TCEQ-0583)

Water Pollution Abatement Plan Application (TCEQ-0584)

Lift Station / Force Main System Application (TCEQ-0624)

/ Temporary Stormwater Section (TCEQ-0602)

Attachment A - Spill Response Actions

Attachment B - Potential Sources of Contamination

Attachment C - Sequence of Major Activities

Attachment D - Temporary Best Management Practices and Measures

Attachment E - Request to Temporarily Seal a Feature (if requested)

Attachment F - Structural Practices

Attachment G - Drainage Area Map

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

Attachment I - Inspection and Maintenance for BMPs

Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

/ Permanent Stormwater Section (TCEQ-0600), if necessary

Attachment A - 20% or Less Impervious Cover Declaration (if requested for multi-family, school, or small business site)

Attachment B - BMPs for Upgradient Stormwater

Attachment C - BMPs for On-site Stormwater

Attachment D - BMPs for Surface Streams

Attachment E - Request to Seal Features, if sealing a feature

Attachment F - Construction Plans

Attachment G - Inspection, Maintenance, Repair and Retrofit Plan

Attachment H - Pilot-Scale Field Testing Plan (if requested)

Attachment I - Measures for Minimizing Surface Stream Contamination

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

✍ **Application Fee Form (TCEQ-0574)**

✍ **Check Payable to the "Texas Commission on Environmental Quality"**

✍ **Core Data Form (TCEQ-10400)**

Mailed to TCEQ
Cashier's Office

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).

Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited.**
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a “Mid-Review Modification”. Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ’s Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ’s San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: Smitty’s Car Wash					2. Regulated Entity No.: RN102837531				
3. Customer Name: Squirrels’ Real Estate LLC					4. Customer No.: N/A				
5. Project Type: (Please circle/check one)	New	Modification			Extension	Exception			
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	Non-residential			8. Site (acres):		2.00		
9. Application Fee:	\$4,000		10. Permanent BMP(s):			Partial Sedimentation/Filtration Pond			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):			N/A			
13. County:	Bexar		14. Watershed:			Panther Springs Creek			

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the “Texas Groundwater Conservation Districts within the EAPP Boundaries” map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	—
Region (1 req.)	—	—	—
County(ies)	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity <input type="checkbox"/> Plum Creek	<input type="checkbox"/> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<input type="checkbox"/> Austin <input type="checkbox"/> Buda <input type="checkbox"/> Dripping Springs <input type="checkbox"/> Kyle <input type="checkbox"/> Mountain City <input type="checkbox"/> San Marcos <input type="checkbox"/> Wimberley <input type="checkbox"/> Woodcreek	<input type="checkbox"/> Austin <input type="checkbox"/> Bee Cave <input type="checkbox"/> Pflugerville <input type="checkbox"/> Rollingwood <input type="checkbox"/> Round Rock <input type="checkbox"/> Sunset Valley <input type="checkbox"/> West Lake Hills	<input type="checkbox"/> Austin <input type="checkbox"/> Cedar Park <input type="checkbox"/> Florence <input type="checkbox"/> Georgetown <input type="checkbox"/> Jerrell <input type="checkbox"/> Leander <input type="checkbox"/> Liberty Hill <input type="checkbox"/> Pflugerville <input type="checkbox"/> Round Rock

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	<input type="checkbox"/> _x_	—	—	—	—
Region (1 req.)	<input type="checkbox"/> _x_	—	—	—	—
County(ies)	<input type="checkbox"/> _x_	—	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> _x_ Edwards Aquifer Authority <input type="checkbox"/> _x_ Trinity-Glen Rose	<input type="checkbox"/> Edwards Aquifer Authority	<input type="checkbox"/> Kinney	<input type="checkbox"/> _EAA <input type="checkbox"/> _Medina	<input type="checkbox"/> _EAA <input type="checkbox"/> _Uvalde
City(ies) Jurisdiction	<input type="checkbox"/> _Castle Hills <input type="checkbox"/> _Fair Oaks Ranch <input type="checkbox"/> _Helotes <input type="checkbox"/> _Hill Country Village <input type="checkbox"/> _Hollywood Park <input checked="" type="checkbox"/> _x_ San Antonio (SAWS) <input type="checkbox"/> _Shavano Park	<input type="checkbox"/> _Bulverde <input type="checkbox"/> _Fair Oaks Ranch <input type="checkbox"/> _Garden Ridge <input type="checkbox"/> _New Braunfels <input type="checkbox"/> _Schertz	NA	<input type="checkbox"/> _San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.

Justin Baker, PE

Print Name of Customer/Authorized Agent

Justin C. Baker

05/19/2023

Signature of Customer/Authorized Agent

Date

****FOR TCEQ INTERNAL USE ONLY****

Date(s) Reviewed:		Date Administratively Complete:	
Received From:		Correct Number of Copies:	
Received By:		Distribution Date:	
EAPP File Number:		Complex:	
Admin. Review(s) (No.):		No. AR Rounds:	
Delinquent Fees (Y/N):		Review Time Spent:	
Lat./Long. Verified:		SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):			Signed (Y/N):
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):

General Information Form

Texas Commission on Environmental Quality

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

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

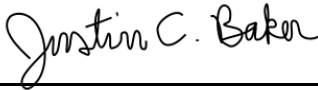
Signature

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:

Print Name of Customer/Agent: Justin Baker, PE

Date: 05/19/2023

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Smitty's Car Wash
2. County: Bexar
3. Stream Basin: Panther Springs Creek
4. Groundwater Conservation District (If applicable): Trinity-Glen Rose/Edwards Aquifer Auth.
5. Edwards Aquifer Zone:
 - Recharge Zone
 - Transition Zone
6. Plan Type:
 - WPAP
 - SCS
 - Modification
 - AST
 - UST
 - Exception Request

7. Customer (Applicant):

Contact Person: Jeff Newland

Entity: Smitty's Texas LLC

Mailing Address: 203 S. First St.

City, State: Lufkin, TX

Zip: 75901

Telephone: 903-720-5896

FAX: N/A

Email Address: akennedy@ci.buda.tx.us

8. Agent/Representative (If any):

Contact Person: Justin Baker

Entity: Aqua Strategies, Inc.

Mailing Address: 11929 Fitzhugh Corners

City, State: Dripping Springs, TX

Zip: 78620

Telephone: 512-216-9804

FAX: N/A

Email Address: jbaker@aquastrategies.com

9. Project Location:

The project site is located inside the city limits of San Antonio.

The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.

The project site is not located within any city's limits or ETJ.

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

The project site is located at 19220 Blanco Road, San Antonio, Texas, 78258. The coordinates of the site are: 29.62212115, -98.51381842.

11. **Attachment A – Road Map.** A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.

12. **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. The map(s) clearly show:

Project site boundaries.

USGS Quadrangle Name(s).

Boundaries of the Recharge Zone (and Transition Zone, if applicable).

Drainage path from the project site to the boundary of the Recharge Zone.

13. **The TCEQ must be able to inspect the project site or the application will be returned.** 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.

Survey staking will be completed by this date: 06/01/2023

14. **Attachment C – Project Description.** Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:

- Area of the site
- Offsite areas
- Impervious cover
- Permanent BMP(s)
- Proposed site use
- Site history
- Previous development
- Area(s) to be demolished

15. 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: _____

Prohibited Activities

16. 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).
- (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. 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

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

- For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
- For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
- A request for an exception to any substantive portion of the regulations related to the protection of water quality.
- A request for an extension to a previously approved plan.

19. 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)
- San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

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

21. 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.

ATTACHMENT A

Road Map (05/16/2023)

Directions to Proposed Project Site
From TCEQ San Antonio Office
(14250 Judson Rd):

- Head southeast toward Judson Rd
- Turn right toward Judson Rd
- Turn right onto Judson Rd
- Use the left lane to turn left onto N Loop 1604 E
- Use the left lane to take the ramp onto TX-1604 Loop W
- Merge onto TX-1604 Loop W
- Take the exit toward Blanco Road/Huebner Road/F.M. 2696
- Merge onto N Loop 1604 W
- Turn right onto Blanco Road
- Destination will be on the right

Proposed Project Site

GREYSTONE COUNTRY ESTATES

THE VINEYARD

THE WATERS AT DEERFIELD

Google Earth



4000 ft

Attachment C - Project Description

Site Description, Area, and Previous Development

The proposed project involves redeveloping an existing car wash facility, to continue use as a car wash. The proposed project area, based on the property parcel boundaries, is 2.00-acres, and is located at 19220 Blanco Road, San Antonio, Texas, 78258. The site was originally developed under Edwards Aquifer Permit 13-00122002 in 2001, and then modified under Edwards Aquifer Permit 13-14081301 in 2014. Since it was originally developed, the site has consistently been used as a car wash facility.

Proposed Site Redevelopment

The approximate area to be demolished is 1.08 acres. The existing facilities (including a building and driveways/parking areas) will be demolished and new facilities, including a building and associated driveways and parking areas, will be constructed. Appropriate temporary BMPs will be installed before construction activities begin, and these will be maintained throughout the period of construction. The area to be disturbed is approximately 1.38 acres. All wastewater generated by the site, including that generated by operation of the car wash, will be disposed of by conveyance to an existing sanitary sewer and ultimately to a San Antonio Water System sewage treatment plant.

Impervious Cover

The proposed project will have 9.2% less impervious cover than the existing drainage area (i.e. a reduction from approximately 0.83 acres at present to approximately 0.63 acres for the proposed site). There are no offsite areas that drain to the project area.

Permanent BMPs

All on-site runoff from the developed area will be treated by an existing sedimentation/filtration pond. All stormwater runoff from the existing site currently flows to this existing pond located at the northeast corner of the site, and the proposed site will continue to direct all stormwater flows to the same pond. This pond will be restored to its original design conditions, as shown in the construction plans included in this application package.

Based on the proposed area of impervious cover within the drainage area upstream of the existing pond, the water quality treatment volume for the site is required to be at least 3,522-cf, with a minimum sand filter basin area of 294 square feet. The existing pond was designed to provide a total capture volume of 4,592 cubic feet, with a sand filtration area of 574 square feet.¹ Therefore, based on the TSS calculations required by TCEQ and the decrease in impervious cover proposed for the site, it has been determined that the existing sedimentation/filtration pond, when restored to its original design, will have the capacity to treat stormwater runoff from the site as required by TCEQ.

¹ These values were obtained from the Edwards Aquifer Permit 13-14081301 (WPAP Modification) approval letter dated March 12, 2001.

Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Transition Zone and Relating to 30 TAC 213.4(j), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

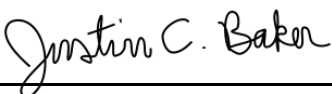
Signature

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 request for a **Modification of a Previously Approved Plan** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Justin Baker, PE

Date: 05/19/2023

Signature of Customer/Agent:



Project Information

1. Current Regulated Entity Name: Smitty's Car Wash
Original Regulated Entity Name: Lone Star Car Wash
Regulated Entity Number(s) (RN): 102837531
Edwards Aquifer Protection Program ID Number(s): 13-00122002 & 13-14081301
 The applicant has not changed and the Customer Number (CN) is: _____
 The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
2. **Attachment A: Original Approval Letter and Approved Modification Letters.** A copy of the original approval letter and copies of any modification approval letters are attached.

3. A modification of a previously approved plan is requested for (check all that apply):
- 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;
 - 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;
 - Development of land previously identified as undeveloped in the original water pollution abatement plan;
 - Physical modification of the approved organized sewage collection system;
 - Physical modification of the approved underground storage tank system;
 - Physical modification of the approved aboveground storage tank system.
4. Summary of Proposed Modifications (select plan type being modified). If the approved plan has been modified more than once, copy the appropriate table below, as necessary, and complete the information for each additional modification.

WPAP Modification	Approved Project	Proposed Modification	Current 2023 Modification
Summary		2014 Modification	
Acres	<u>2.00</u>	<u>2.00</u>	<u>2.00</u>
Type of Development	<u>Commercial</u>	<u>Commercial</u>	<u>Commercial</u>
Number of Residential Lots	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Impervious Cover (acres)	<u>0.722</u>	<u>0.850</u>	<u>0.742</u>
Impervious Cover (%)	<u>36.1</u>	<u>42.5</u>	<u>37.1</u>
Permanent BMPs	<u>1 Sed./Filt. Pond</u>	<u>1 Sed./Filt. Pond</u>	<u>1 Sed./Filt. Pond</u>
Other	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
SCS Modification	Approved Project	Proposed Modification	
Summary			
Linear Feet	<u>N/A</u>	<u>N/A</u>	
Pipe Diameter	<u>N/A</u>	<u>N/A</u>	
Other	<u>N/A</u>	<u>N/A</u>	

AST Modification	Approved Project	Proposed Modification
Summary		
Number of ASTs	<u>N/A</u>	<u>N/A</u>
Volume of ASTs	<u>N/A</u>	<u>N/A</u>
Other	<u>N/A</u>	<u>N/A</u>

UST Modification	Approved Project	Proposed Modification
Summary		
Number of USTs	<u>N/A</u>	<u>N/A</u>
Volume of USTs	<u>N/A</u>	<u>N/A</u>
Other	<u>N/A</u>	<u>N/A</u>

5. **Attachment B: Narrative of Proposed Modification.** A detailed narrative description of the nature of the proposed modification is attached. It discusses what was approved, including any previous modifications, and how this proposed modification will change the approved plan.

6. **Attachment C: Current Site Plan of the Approved Project.** A current site plan showing the existing site development (i.e., current site layout) at the time this application for modification is attached. A site plan detailing the changes proposed in the submitted modification is required elsewhere.
 - The approved construction has not commenced. The original approval letter and any subsequent modification approval letters are included as Attachment A to document that the approval has not expired.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was constructed as approved.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was **not** constructed as approved.
 - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was constructed as approved.
 - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was **not** constructed as approved.

7. The acreage of the approved plan has increased. A Geologic Assessment has been provided for the new acreage.
 - Acreage has not been added to or removed from the approved plan.

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

Attachment A – Original Approval Letter and Approved Modification Letter

Attachment A1 – Original WPAP Approval Letter

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

March 12, 2001

Mr. Mike Atkinson
Blanco Car Wash
3111 Sable Creek
San Antonio, TX 78259

Re: Edwards Aquifer, Bexar County
NAME OF PROJECT: Blanco Car Wash; Located at 19207 Blanco Road; San Antonio, Texas
TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP); 30 Texas
Administrative Code (TAC) Chapter 213 Edwards Aquifer
Edwards Aquifer Protection Program File No. 1614.00

Dear Mr. Atkinson:

The Texas Natural Resource Conservation Commission (TNRCC) has completed its review of the WPAP application for the referenced project submitted to the San Antonio Regional Office by Charles R. Hallenberger, P.E. of Hallenberger Engineering, L.C. on your behalf on December 20, 2000. Final review of the WPAP submittal was completed after additional material was received on January 5, 2001, and March 2, 2001. As presented to the TNRCC, 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 20 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 2.00 acres. It will include a car wash with eight manual bays, two automatic bays, vacuum bays, and a concrete paved driving surface. The impervious cover will be 0.722 acres (36.1 percent). Project wastewater will be disposed of by conveyance to the existing Salado Creek Sewage Treatment Plant owned by the San Antonio Water System.

REPLY TO: REGION 13 • 14250 JUDSON RD. • SAN ANTONIO, TEXAS 78233-4480 • 210/490-3096 • FAX 210/545-4329

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000 • Internet address: www.tnrcc.state.tx.us

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PERMANENT POLLUTION ABATEMENT MEASURES

A partial sedimentation/filtration basin will be constructed to treat stormwater runoff. It is designed in accordance with the 1999 edition of the TNRCC's "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices," and is sized to capture the first 1.40 inches of stormwater run-off from 0.753 acres, providing a total capture volume of 4,592 cubic feet. The filtration system will consist of:

1. 574 square feet of sand, which is 18 inches thick,
2. an underdrain piping wrapped with geotextile membrane, and
3. an impervious liner.

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, there are two geologic features and one manmade feature on the project site. All features were assessed as possibly sensitive. The San Antonio Regional Office did not conduct a site investigation.

SPECIAL CONDITIONS

1. The sedimentation/filtration basins are designed in accordance with the 1999 edition of the TNRCC's "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices." The basins will incorporate sedimentation and filtration as described above.
2. All sediment and or media removed from the partial sedimentation/filtration basins during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335 as applicable.

STANDARD CONDITIONS

1. Pursuant to §26.136 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, TNRCC-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 file 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 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. 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 the site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
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:

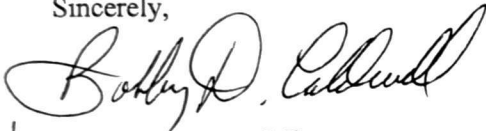
14. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.
15. The applicant shall be responsible for maintaining 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 the San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TNRCC-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.

Mr. Mike Atkinson
Page 5
March 12, 2001

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 John Mauser of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210/403-4024.

Sincerely,



for Jeffrey A. Saitas, P.E.
Executive Director
Texas Natural Resource Conservation Commission

JAS/JKM/eg

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

cc: Mr. Charles R. Hallenberger, P.E., Hallenberger Engineering, L.C.
Ms. Rebecca Cedillo, San Antonio Water System
Mr. John Bohuslav, TXDOT San Antonio District
Ms. Renee Green, Bexar County Public Works
Mr. Greg Ellis, Edwards Aquifer Authority
TNRCC Field Operations, Austin

Attachment A2 – WPAP Modification Approval Letter

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 12, 2014

Mr. Roger Outland
RCO Ventures, Inc.
22025 Senna Hills Dr.
San Antonio, Texas 78266

Re: Edwards Aquifer, Bexar County

NAME OF PROJECT: Lone Star Car Wash; Located at the northwest intersection of Blanco Road and Huebner Road; San Antonio, Texas

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

Investigation No. 1190588; Regulated Entity No. RN102837531; Additional ID No. 13-14081301

Dear Mr. Outland:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Modification for the above-referenced project submitted to the San Antonio Regional Office by ADA Consulting Group, Inc. on behalf of RCO Ventures, Inc. on August 13, 2014. Final review of the WPAP was completed after additional material was received on August 29, 2014. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

BACKGROUND

The WPAP was approved by letter dated March 12, 2001 for a commercial project with an area of approximately 2.00 acres. It was to include the construction of a car wash with eight manual bays, two automatic bays, vacuum bays, and a concrete paved driving surface. Impervious cover totaled 0.722 acres (36.10 percent). Project wastewater was to be disposed of by conveyance to the existing Salado Creek Sewage Treatment Plant owned by the San Antonio Water System.

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PROJECT DESCRIPTION

This WPAP Modification proposes to upgrade one of the automatic bays by expanding it and adding a new drive to lead into the upgraded bay. In addition, a small office building is proposed within the existing landscape island with additional sidewalk, new dumpster pad, and four new parking spaces. The additional proposed impervious cover for the modification is 0.128 acres bringing the site total to 0.850 acres (42.50 percent). Project wastewater will be disposed of by conveyance to the existing Salado Creek Water Recycling Center owned by the San Antonio Water System.

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, a partial sedimentation/filtration basin, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (1999), is in existence to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 694 pounds of TSS generated from the 0.850 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The total capture volume of the existing basin is 4,592 cubic feet. The filtration system for the basin consists of 574 square feet of sand. The basin was sized to treat 0.722 acres of impervious cover using 1999 guidelines. Using 2005 guidelines, the required total capture volume to treat 0.850 acres of impervious cover is 4,521 cubic feet with a filtration system consisting of 452 square feet of sand. The existing basin has the capacity to treat the additional 0.128 acres of impervious cover from this modification.

GEOLOGY

According to the geologic assessment included with the application, the site is located within the dolomitic member and the basal nodular member of the Kainer Formation. Three non-sensitive geologic features and one non-sensitive manmade feature were noted in the assessment by the project geologist. The San Antonio Regional Office site assessment conducted on September 8, 2014 revealed that the site was generally as described in the application.

SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated March 12, 2001.
- II. All sediment and/or media removed from the permanent pollution abatement measure during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan.

Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.

3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.
5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
6. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during

construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.

12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
13. No wells exist on the site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.
19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity

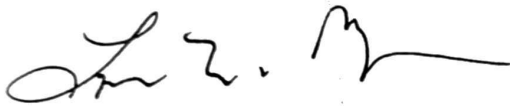
Mr. Roger Outland
Page 5
September 12, 2014

must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

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

Sincerely,



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

LB/DP/eg

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

cc: Mr. Michael P. Sepeda, P.E., ADA Consulting Group, Inc.
Mr. Scott Halty, San Antonio Water System
Ms. Renee Green, P.E., Bexar County Public Works
Mr. Roland Ruiz, Edwards Aquifer Authority
Mr. George Wissmann, Trinity Glen Rose Groundwater Conservation District
TCEQ Central Records, Building F, MC 212

Attachment B – Narrative of Proposed Modification

The proposed project involves redeveloping an existing car wash facility, to continue use as a car wash. The proposed project area, based on the property parcel boundaries, is 2.00-acres, and is located at 19220 Blanco Road, San Antonio, Texas, 78258. The site was originally developed under Edwards Aquifer Permit 13-00122002 in 2001, and then modified to slightly increase the impervious cover of the site by the addition of a small office building and associated parking areas as well as upgrading the existing car wash, under Edwards Aquifer Permit 13-14081301 in 2014. Since it was originally developed, the site has consistently been used as a car wash facility.

The approximate area to be demolished is 1.08 acres. The existing facilities (including a building and driveways/parking areas) will be demolished and new facilities, including a building and associated driveways and parking areas, will be constructed. Appropriate temporary BMPs will be installed before construction activities begin, and these will be maintained throughout the period of construction. The area to be disturbed is approximately 1.38 acres. All wastewater generated by the site, including that generated by operation of the car wash, will be disposed of by conveyance to an existing sanitary sewer and ultimately to a San Antonio Water System sewage treatment plant.

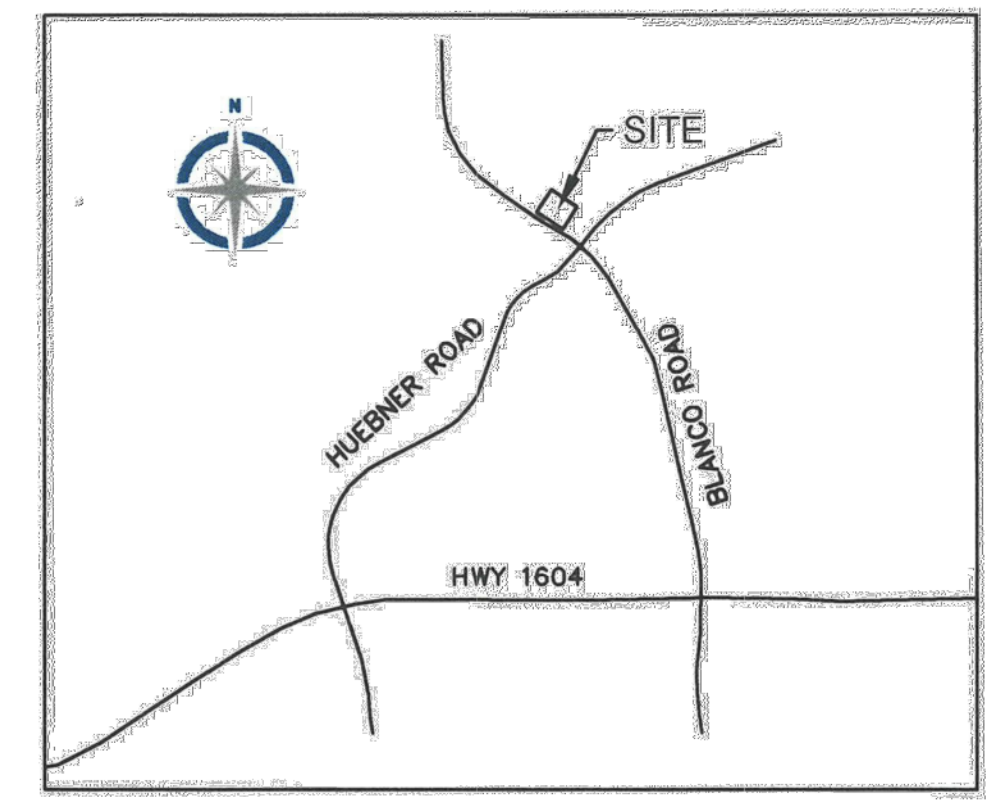
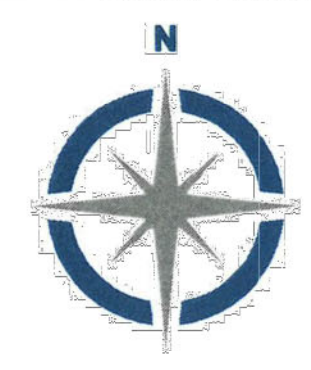
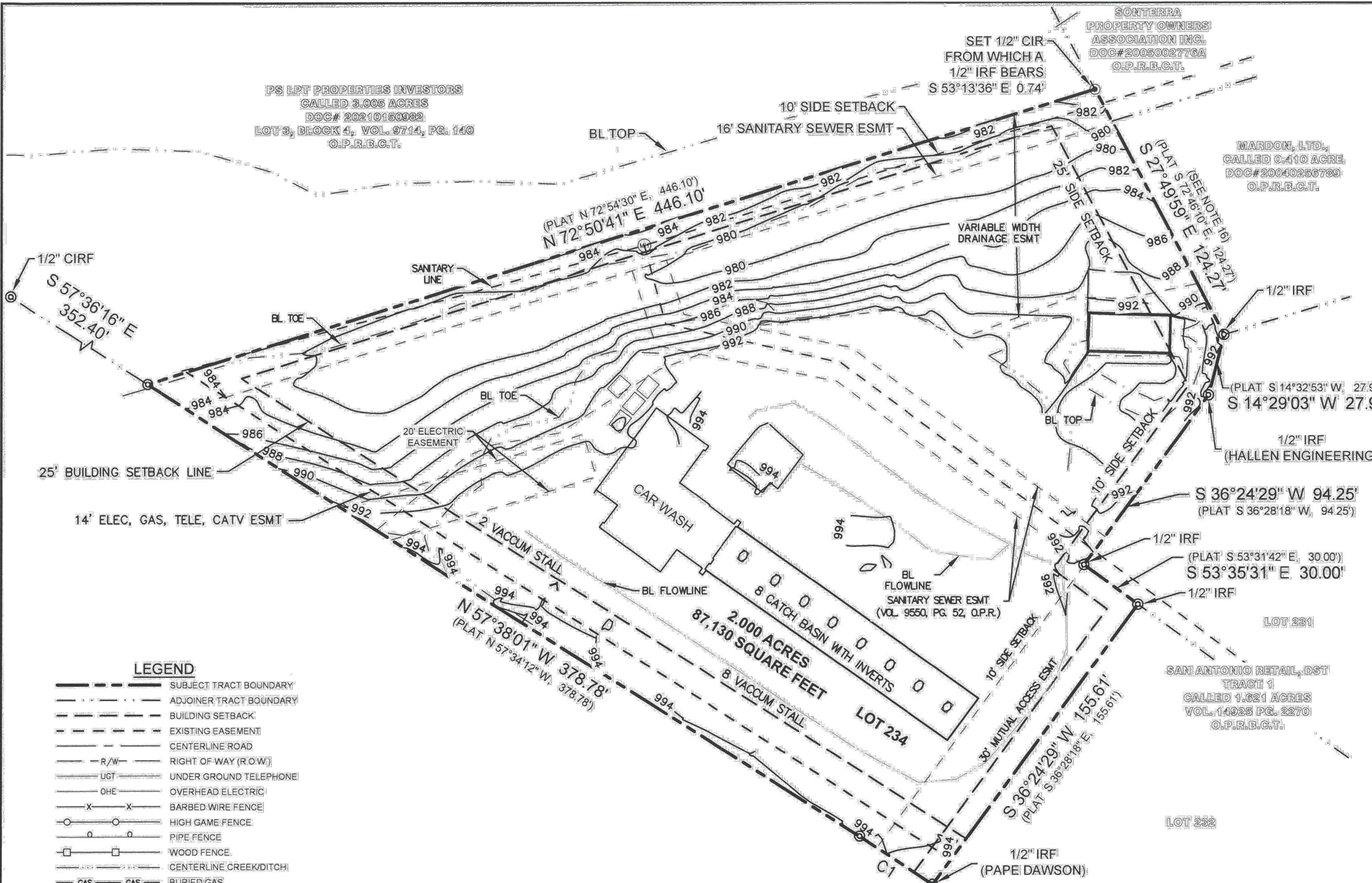
All on-site runoff from the developed area will be treated by an existing sedimentation/filtration pond. All stormwater runoff from the existing site currently flows to this existing pond located at the northeast corner of the site, and the proposed site will continue to direct all stormwater flows to the same pond. This pond will be restored to its original design conditions, as shown in the construction plans included in this application package.

Based on the proposed area of impervious cover within the drainage area upstream of the existing pond, the water quality treatment volume for the site is required to be at least 3,522-cf, with a minimum sand filter basin area of 294 square feet. The existing pond was designed to provide a total capture volume of 4,592 cubic feet, with a sand filtration area of 574 square feet.¹ Therefore, based on the TSS calculations required by TCEQ and the decrease in impervious cover proposed for the site, it has been determined that the existing sedimentation/filtration pond, when restored to its original design, will have the capacity to treat stormwater runoff from the site as required by TCEQ.

¹ These values were obtained from the Edwards Aquifer Permit 13-14081301 (WPAP Modification) approval letter dated March 12, 2001.

Attachment C – Current Site Plan of the Approved Project

THE DRAWING AND ALL RIGHTS HEREIN ARE THE PROPERTY OF DATAPoint SURVEYING & MAPPING, INC. NO PART OF THIS DRAWING OR INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DATAPoint SURVEYING & MAPPING, INC. ANY UNAUTHORIZED USE OF THESE DOCUMENTS IS STRICTLY PROHIBITED AND SHALL BE AT THE USER'S SOLE RISK. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND EASEMENTS FROM THE APPROPRIATE AGENCIES AND FOR OBTAINING ALL NECESSARY RECORDS FROM THE PUBLIC RECORDS OFFICE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE PUBLIC RECORDS OFFICE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE PUBLIC RECORDS OFFICE.

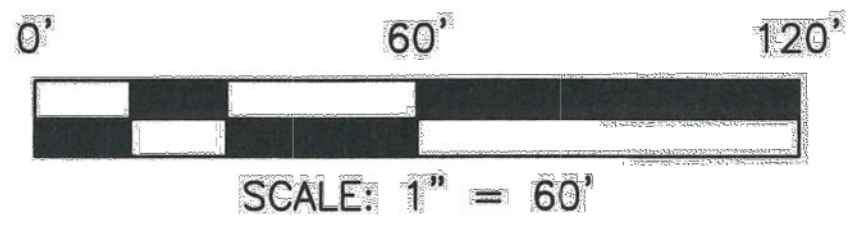


SURVEY NOTES:

- Bearings shown hereon are NAD83, State Plane Zone 4204, Texas South Central Zone derived from GNSS observation.
- Distances shown hereon are ground.
- Elevations MSL. Derived from G.N.S.S. observation and derived from said on-the-ground survey.
- Easements, exception items, recorded deed references and other record information shown on this survey are based upon a public records search performed by Chicago Title Insurance Company and other research by the surveyor. All easements, rights-of-way and other exceptions affecting the subject tract, as reflected in the title letter, have been correctly plotted hereon or indicated as being "non-plottable" or "blanket in nature" and except as shown, there are no visible or recorded easements or rights-of-way across the property, nor are there other easements or rights-of-way of which the undersigned has been advised. All title abstract work was performed by Chicago Title Insurance Company and provided to Datapoint Surveying and Mapping. This survey does not guarantee ownership.
- Record bearings and distances have been shown hereon.
- The property, taken together is internally contiguous without break, gap or interruptions.
- This survey was prepared using the title letter issued by Chicago Title Insurance Company, GI No. 2240127-COM and bearing an effective date of August 7, 2022.
- Illustrated utilities and other non-project improvements appearing on this survey are based on found visible evidence, located information provided by Texas one-call, and by conventional methods performed by Datapoint Surveying and Mapping. And by electric designation, field surveying was performed August 23, 2022.
- There are no encroachments onto the property or easements benefiting the property by buildings, structures or other improvements situated on adjoining property. There are no protrusions from the property onto adjoining property, streets or alleys by any facility type, nor any visible discrepancies, conflicts, shortages in area or boundary line conflicts except as shown on this survey.
- The points at which the facility type cross the known electrical lines, phone lines, cable lines and water, petroleum and natural gas pipelines, and any other easements or rights-of-way of record are plotted on this survey from the information provided.
- To the best of the surveyor's knowledge there are no oil rigs, mineral drilling facilities or any other evidence or active mineral development on the property or any existing improvements located on the property that would affect or encroach on the facility type.
- The parcels of land comprising the property as reflected on this survey are the same corresponding parcels of land described and covered by the title letter.
- The subject property shown hereon has access to FM 2696 (Blanco road) however, a driveway permit may be required from the Texas Department of Transportation.
- The tax parcel number or numbers assigned to the surveyed property does not include any other land other than the surveyed property.
- All roads, streets and highways shown therein are either public Right-of-Ways or private.
- It appears that this Bearing was made in error, and was intended to be 27° instead of 72°. The adjoining parcel had this common line as 27°46'10", as recorded in Volume 8390, Page 149 O.P.R.B.C.T.

FLOOD ZONE LEGEND

- ZONE A NO BASE FLOOD ELEVATIONS DETERMINED.
- ZONE AE BASE FLOOD ELEVATIONS DETERMINED.
- ZONE X AREAS OF 0.2% ANNUAL CHANCE FLOOD, AREAS OF 1% ANNUAL (SHADED) CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.
- ZONE X AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.



LEGEND

- | | | | | | |
|--|-------------------------|--|------------------------------------------------------------------------------|--|----------------|
| | SUBJECT TRACT BOUNDARY | | FOUND MONUMENT | | POWER POLE |
| | ADJOINER TRACT BOUNDARY | | FOUND FENCE POST | | WATER METER |
| | BUILDING SETBACK | | SET 1/2" CAPPED IRON ROD STAMPED "DATAPoint 10194585" UNLESS OTHERWISE NOTED | | WATER VALVE |
| | EXISTING EASEMENT | | BOLLARD | | GAS METER |
| | CENTERLINE ROAD | | SIGN | | ELECTRIC METER |
| | R/W | | GUY WIRE | | MANHOLE |
| | UGT | | | | CLEANOUT |
| | OHE | | | | |
| | X | | | | |
| | BARBED WIRE FENCE | | | | |
| | HIGH GAME FENCE | | | | |
| | PIPE FENCE | | | | |
| | WOOD FENCE | | | | |
| | CENTERLINE CREEK/DITCH | | | | |
| | BURIED GAS | | | | |
| | CANOPY | | | | |

NOTE:
 * LEGEND IS TYPICAL AND NOT ALL ITEMS OR SYMBOLS IN LEGEND APPEAR IN DRAWING.
 * SYMBOLS REFLECTED IN THE LEGEND AND ON THIS SURVEY MAY HAVE BEEN ENLARGED OR REDUCED FOR CLARITY.

SURVEYOR'S CERTIFICATION

To Chicago Title Insurance Company, and their successors, heirs and/or assigns.
 This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6(b), 8, 11, 13, 14, 16, and 17 of Table A thereof. The field work was completed on September 2, 2022.
 Datapoint Surveying & Mapping
 MATTHEW TOMERLIN
 REGISTERED PROFESSIONAL LAND SURVEYOR NO. 6503
 September 8, 2022



TOPOGRAPHIC SURVEY
 Lot 234, New City Block 19215, LONESTAR CAR WASH, an Addition to the City of San Antonio, Bexar County, Texas, according to the map or plat thereof, recorded in Volume 9676, Page 184, Deed and Plat Records of Bexar County, Texas.

DRAWN BY: JBT	DATE: 09/08/2022	REV. 0
CHECKED BY: TJW	DATE: 09/08/2022	
AFE #	PAGE 2 OF 2	

12450 Network Blvd. - Suite 300
 San Antonio, TX 78249
 Phone: 726-777-4240
 Firm No. 10194585



JOHNSON & PACE INCORPORATED
 ENGINEERING - ARCHITECTURE - SURVEYING
 121 NW LOOP W. SUITE 101
 (800) 735-8662 FAX (800) 735-8660
 website: www.johnsonandpace.com
 TYPE: E-1481

STATE OF TEXAS
 JEFF HAMILTON
 9649
 12/25/2023

SMITTY'S CARE WASH
 19220 BLANCO ROAD
 SAN ANTONIO, TEXAS 78258

NO.	REVISIONS	DESCRIPTION	BY	DATE

TOPOGRAPHIC SURVEY
 ISSUED FOR REVIEW

DATE: 1/25/2023	NTS
437-308	JAH
CJC	JAH
C1.0	

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

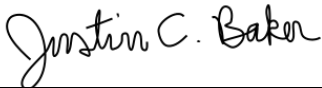
Signature

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:

Print Name of Customer/Agent: Justin Baker, PE

Date: 05/19/2023

Signature of Customer/Agent:



Regulated Entity Name: Smitty's Car Wash

Regulated Entity Information

1. The type of project is:

- Residential: Number of Lots: _____
- Residential: Number of Living Unit Equivalents: _____
- Commercial
- Industrial
- Other: _____

2. Total site acreage (size of property): 2.00

3. Estimated projected population: N/A

4. The amount and type of impervious cover expected after construction are shown below:

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	4,804	÷ 43,560 =	0.110
Parking	18,735	÷ 43,560 =	0.430
Other paved surfaces	8,769	÷ 43,560 =	0.201
Total Impervious Cover	32,308	÷ 43,560 =	0.742

Total Impervious Cover 0.74 ÷ Total Acreage 2.00 X 100 = 37.1% Impervious Cover

5. **Attachment A - Factors Affecting Surface Water Quality.** A detailed description of all factors that could affect surface water and groundwater quality that addresses ultimate land use is attached.
6. Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

For Road Projects Only

Complete questions 7 - 12 if this application is exclusively for a road project.

7. Type of project:

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

8. Type of pavement or road surface to be used:

- Concrete
- Asphaltic concrete pavement
- Other: _____

9. Length of Right of Way (R.O.W.): _____ feet.

Width of R.O.W.: _____ feet.

L x W = _____ Ft² ÷ 43,560 Ft²/Acre = _____ acres.

10. Length of pavement area: _____ feet.

Width of pavement area: _____ feet.

L x W = _____ Ft² ÷ 43,560 Ft²/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 detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on the 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:

<u>100%</u> Domestic	<u>12,000</u> Gallons/day
<u> </u> % Industrial	<u> </u> Gallons/day
<u> </u> % Commingled	<u> </u> Gallons/day
TOTAL gallons/day <u>12,000</u>	

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 from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.

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 SAWS (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 – 28 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.

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 FIRM 48029C0235G, Effective September 29, 2010

19. The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, open space, etc. are shown on the plan.

The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, open space, etc. are shown on the site plan.

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

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

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

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

The wells are in use and comply with 16 TAC §76.

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

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

All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.

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

Attachment D - Exception to the Required Geologic Assessment. A request and justification for an exception to a portion of the Geologic Assessment is attached.

- 22. The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. Areas of soil disturbance and areas which will not be disturbed.
- 24. Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. Locations where soil stabilization practices are expected to occur.
- 26. Surface waters (including wetlands).
 - N/A
- 27. Locations where stormwater discharges to surface water or sensitive features are to occur.
 - There will be no discharges to surface water or sensitive features.
- 28. Legal boundaries of the site are shown.

Administrative Information

- 29. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- 30. Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

Attachment A – Factors Affecting Water Quality (WPAP Application)

Potential sources of pollution that may affect the quality of storm water discharges from the site after construction include:

1. Oil and Grease. Pollutants associated with vehicles using the car wash facilities and parking at the site. All wastewater generated by operation of the car wash will drain into the existing sanitary sewer and will not be directed into the existing stormwater system.
2. Hydrocarbons. Pollutants associated with vehicles using the car wash facilities and parking at the site. All wastewater generated by operation of the car wash will drain into the existing sanitary sewer and will not be directed into the existing stormwater system.
3. Trash and litter. Associated with general operation of the car wash.

Attachment B – Volume and Character of Stormwater

Stormwater runoff from the proposed project site will decrease as a result of this redevelopment. The redeveloped site area will generate a peak runoff of approximately 8.22-cfs during a 100-year storm event, compared to a peak of approximately 9.66-cfs for the existing site during the same storm event. These calculations are based on the Rational Method and make use of runoff coefficients provided in the City of San Antonio Unified Development Code (Appendix H).

Attachment D – Exception to the Required Geologic Assessment

Based on the previous WPAPs associated with the proposed project site, an exception to the required Geologic Assessment is requested. The most recent (2014) Geologic Assessment carried out by Medina Consulting Company, Inc., is provided below.

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: Lone Star Car Wash

TYPE OF PROJECT: WPAP AST SCS UST

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

PROJECT INFORMATION

- Geologic or manmade features are described and evaluated using the attached **GEOLOGIC ASSESSMENT TABLE**.
- 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)
Eckrant cobbly clay	B	1

* Soil Group Definitions (Abbreviated)
A. Soils having a <u>high infiltration</u> rate when thoroughly wetted.
B. Soils having a <u>moderate infiltration</u> rate when thoroughly wetted.
C. Soils having a <u>slow infiltration</u> rate when thoroughly wetted.
D. Soils having a <u>very slow infiltration</u> rate when thoroughly wetted.

- 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.
- 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.
- 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" = <u>20</u> '
Site Geologic Map Scale	1" = <u>20</u> '
Site Soils Map Scale (if more than 1 soil type)	1" = <u>NA</u> '

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

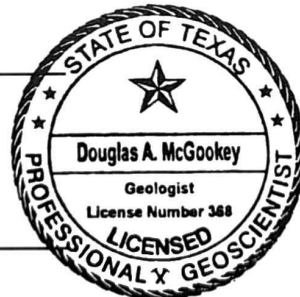
ADMINISTRATIVE INFORMATION

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

Date(s) Geologic Assessment was performed: July 30, 2014 Date(s)

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

Douglas McGookey, P.G.
 Print Name of Geologist



210. 694-4545
 Telephone

210. 694-4577
 Fax

Douglas McGookey
 Signature of Geologist

August 6, 2014
 Date

Representing: Medina Consulting Company, Inc.
 (Name of Company)

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

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

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: Lone Star Car Wash

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	
MB-1	Several		MB	30	Kainer	NA NA NA NA	NA	NA	NA	NA	NA	0	30	X	X	Hillside
CD-1	29 37 21.43	-98 30 48.67	CD	5	Kainer	4 8 1.5 N20E	10	1	32 SF	O	F FS	0	25	X	X	Hillside
F-1	29 37 21.77	-98 30 49.47	F	20	Kainer	735 0 0 N70E	10	1	0	F FS	5	35	X	X	X	Hillside
SF-1	29 37 20.79	-98 30 51.72	SF	20	Kainer	10 0.1 0.1 N70E	10	1	0.1	F	8	38	X	X	X	Streambed

* DATUM: WGS84, Google Earth

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

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

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

I have read, I understand, and I have followed the Texas Commission on Environmental Quality's instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 26.21.001, Chapter 213.

Douglas A. McGookey

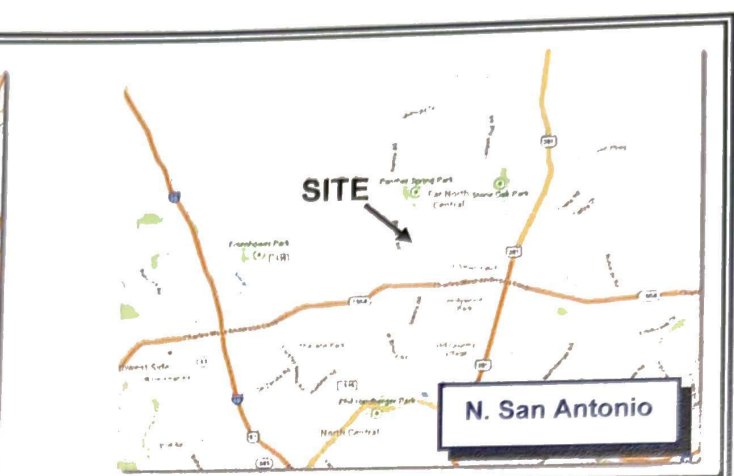
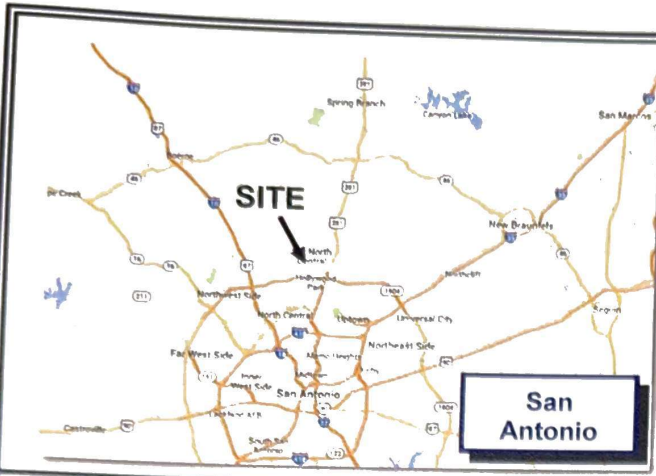
Douglas McGookey, P.G.



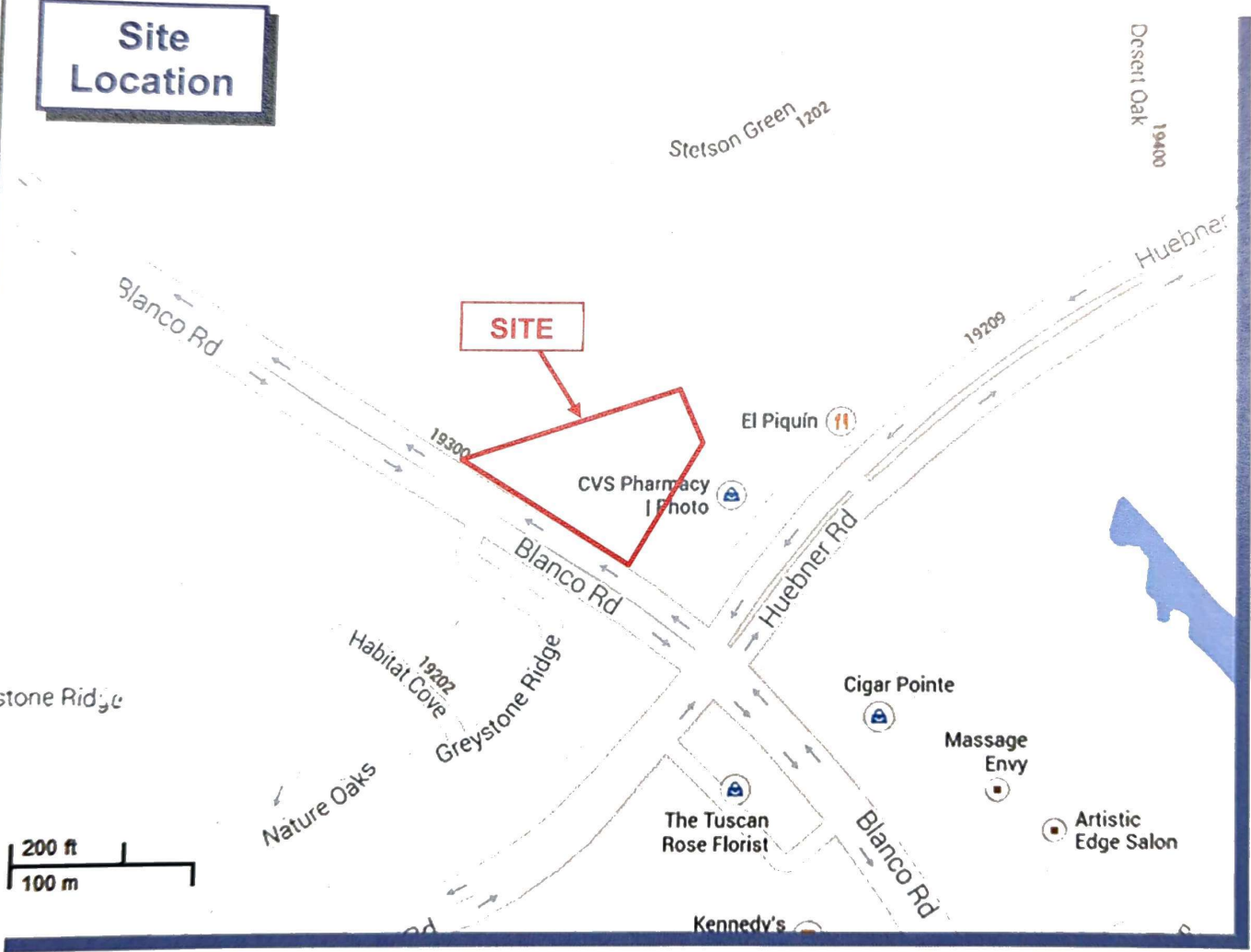
Date August 6, 2014

Sheet 1 of 1

8-2-14



Site Location



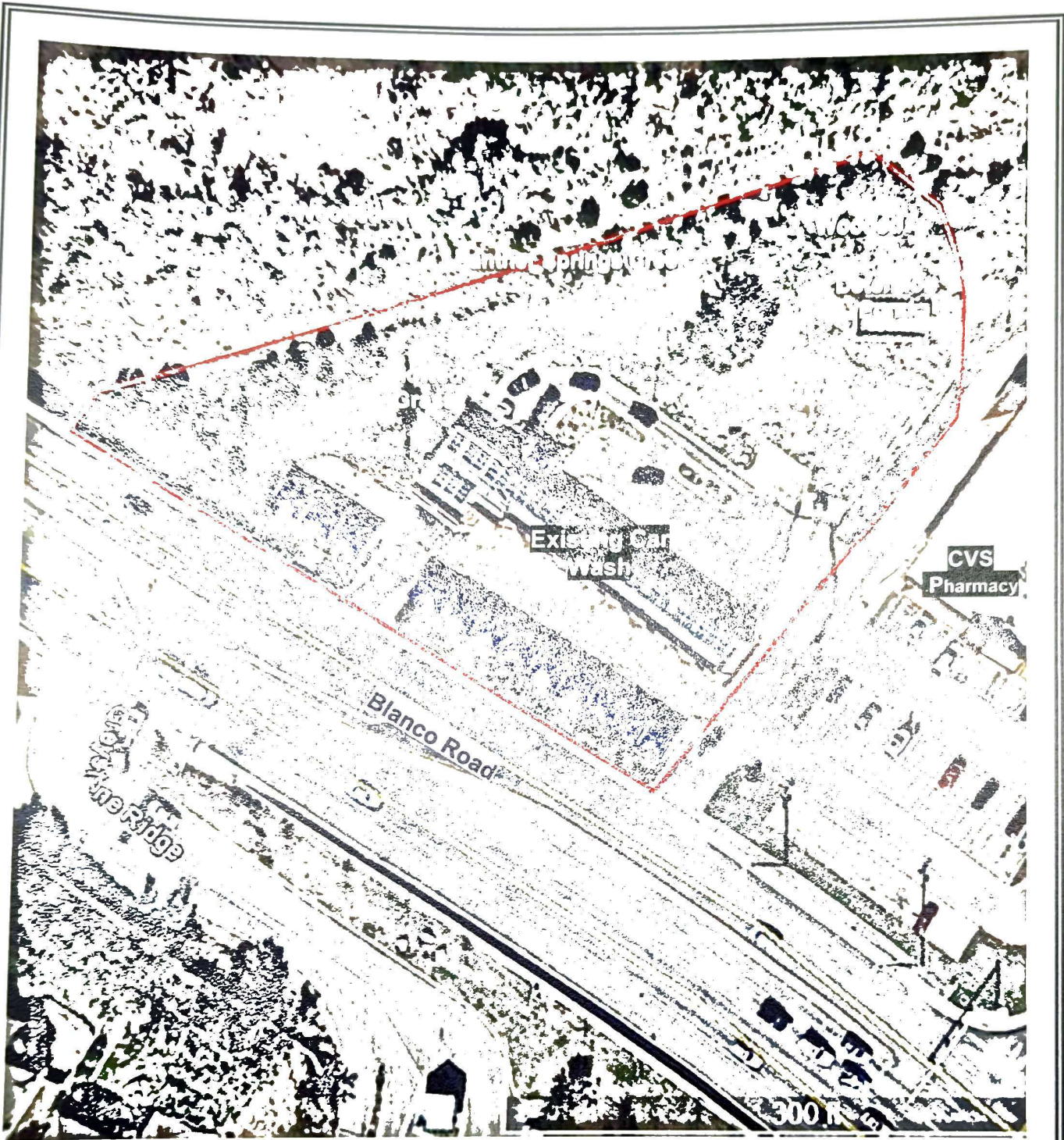
Source: Google 2014



Drawn By: DM
 Scale: As Shown
 Date: July 2014



**Site Location Map
 Lone Star Carwash GA
 San Antonio, Bexar County, Texas**



Source: Google Earth 2014 Site outlined in RED



**Medina
Consulting
Company, Inc.**

Drawn By: DM

Scale: As Shown

Date: July 2014



**Site and Vicinity Map
Lone Star Carwash GA
San Antonio, Bexar County, Texas**



Source: ARCGIS Explorer



**Medina
Consulting
Company, Inc.**

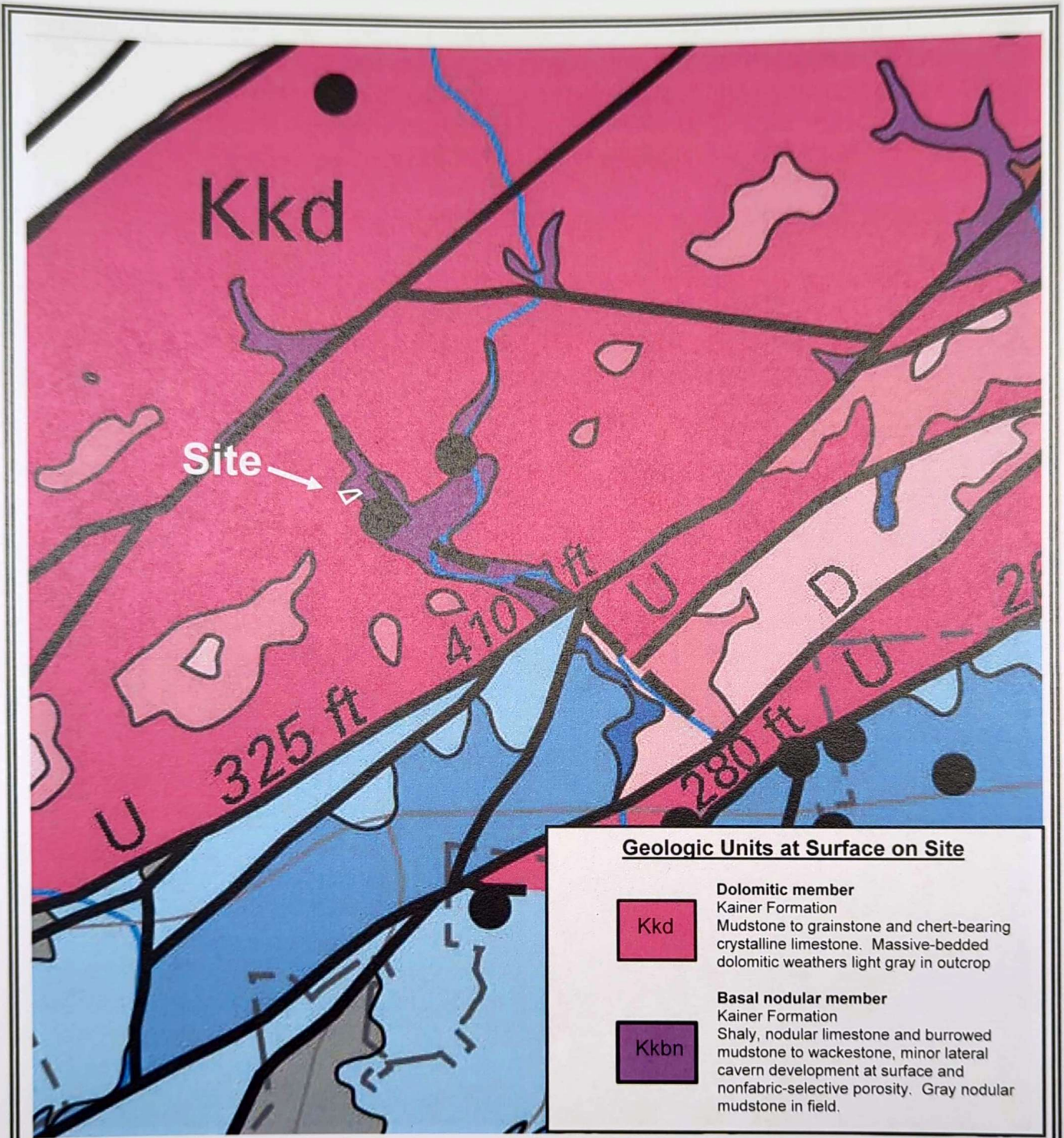
Drawn By: DM

Scale: As Shown

Date: June 2014



**Topographic Map
Lone Star Carwash GA
San Antonio, Bexar County, Texas**



Geologic Units at Surface on Site

- Kkd**
Dolomitic member
 Kainer Formation
 Mudstone to grainstone and chert-bearing crystalline limestone. Massive-bedded dolomitic weathers light gray in outcrop

- Kkbn**
Basal nodular member
 Kainer Formation
 Shaly, nodular limestone and burrowed mudstone to wackestone, minor lateral cavern development at surface and nonfabric-selective porosity. Gray nodular mudstone in field.

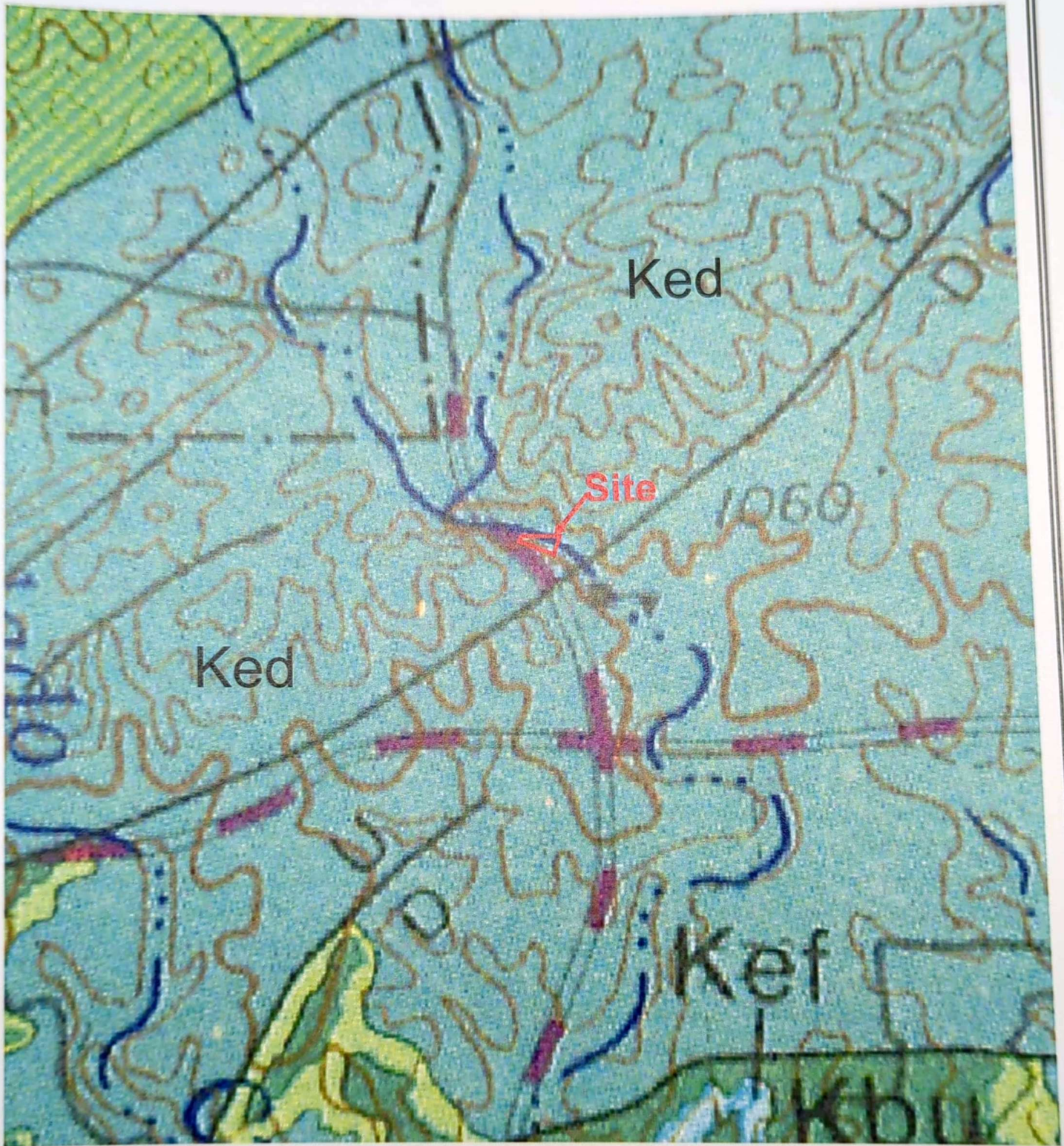
Source: *Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas, Blome and others, 2005*



Drawn By: DM
 Scale: None
 Date: June 2014



Geology Map 1
Lone Star Carwash GA
San Antonio, Bexar County, Texas



Source: Bureau of Economic Geology,
Geologic Atlas of Texas, San Antonio Sheet

Ked Edwards Limestone



Drawn By: DM
 Scale: None
 Date: June 2014



**Geologic Map 2
 Lone Star Carwash GA
 San Antonio, Bexar County, Texas**

SOIL NARRATIVE

Site Name: Lone Star Car Wash
Address: 19220 Blanco Road
Location: 250 North of the Intersection of Blanco and Huebner Roads, San Antonio, Texas

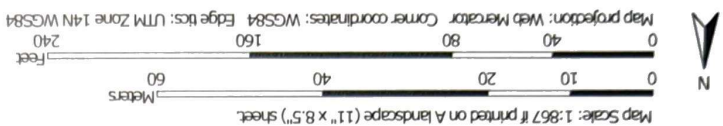
The following soil descriptions are taken from the *Soil Survey of Bexar County*, US Department of Agriculture, Soil Conservation Service, 1966 and the web soil survey obtained from <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.

Soil Unit: The entire Site lies on Eckrant cobbly clay, 1 to 5 percent slopes according the US Department of Agriculture's web soil survey. In the *Soil Survey of Bexar County, Texas*, the soil type is labeled as Tarrant association, gently undulating (1 to 5 percent slopes). The descriptions of the soil types is similar.

Soil Descriptions (most of the following paragraph is directly quoted from the Soil Survey of Bexar County, Texas:


Eckrant cobbly clay, 1 to 5 percent slopes (TaB) (Note-these soils are identified as Tarrant association, undulating in the Soil Survey of Bexar County and as Eckrant cobbly clay in the web soil survey. The updated classification from the web soil survey was used for the geologic assessment): *The Eckrant Series consists of stony soils that are very shallow, dark colored, and gently undulating to steep. These soils occur on the limestone prairies in the northern third of the county. The surface layer is very dark grayish-brown, calcareous clay loam and is about 10 inches thick. It has moderate, fine, subangular blocky structure. This layer is crumbly and friable when moist. Limestone fragments that range from a quarter of an inch to 24 inches in diameter cover about 35 percent of the surface, and angular limestone fragments of similar size make up an estimated 20 percent of this layer, by volume. The subsurface layer, about 8 inches thick, is hard, fractured limestone. The cracks and spaces are filled with dark grayish-brown clay loam, which makes up approximately 8 to 10 percent of this layer, by volume. The bedrock is hard limestone. Eckrant soils have rapid surface drainage and good internal drainage. The capacity to hold water is low.*

Where soils were exposed at the surface, they resembled the description in the soil surveys and were dark brown, calcareous clay loam with limestone fragments, scattered stones, gravels, channery fragments, cobblestones, and flagstones within the surface layer (Photographs 1, 2, 12 and 13).



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bexar County, Texas
 Survey Area Data: Version 15, Dec 12, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 6, 2011—Feb 12, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Bexar County, Texas (TX029)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
TaB	Eckrant cobbly clay, 1 to 5 percent slopes	3.8	100.0%
Totals for Area of Interest		3.8	100.0%

Bexar County, Texas

TaB—Eckrant cobbly clay, 1 to 5 percent slopes

Map Unit Setting

Elevation: 1,000 to 2,400 feet
Mean annual precipitation: 22 to 32 inches
Mean annual air temperature: 66 to 70 degrees F
Frost-free period: 210 to 240 days

Map Unit Composition

Eckrant and similar soils: 100 percent

Description of Eckrant

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 10 inches: cobbly clay
H2 - 10 to 18 inches: extremely stony clay loam
H3 - 18 to 25 inches: bedrock

Properties and qualities

Slope: 1 to 5 percent
Percent of area covered with surface fragments: 3.0 percent
Depth to restrictive feature: 8 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 8 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Very low (about 1.6 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D

Ecological site: Low Stony Hill 29-35" PZ (R081CY360TX)

Data Source Information

Soil Survey Area: Bexar County, Texas
Survey Area Data: Version 15, Dec 12, 2013

STRATIGRAPHIC COLUMN

Site Name: Lone Star Car Wash
Address: 19220 Blanco Road
Location: 250 North of the Intersection of Blanco and Huebner Roads, San Antonio, Texas

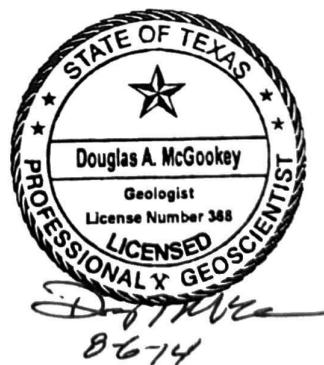
The Site lies in an area mapped as the Dolomitic member and Basal nodular member of the Kainer Formation. Both are part of the Edwards Group.

STRATIGRAPHIC COLUMN									
Hydrogeologic subdivision	Group formation or member	Hydro-logic function	Thick-ness (feet)	Lithology	Cavern develop-ment	Porosity / permeability type			
Erosional Surface at Top of Slope and Hilltop									
Lower cretaceous	Kainer Formation	Edwards Group	Kainer Formation	Dolomitic member	AQ	110-130	Mudstone to grainstone; crystalline limestone; chert	Caves related to structure or bedding planes	Mostly not fabric; some bedding plane fabric / water-yielding
				Erosional Surface along Panther Springs Creek					
					Basal nodular member	Karst AQ; not karst CU	50-60	Shaly, nodular limestone; mudstone and miliolid grainstone	Large lateral caves at surface
	Lower confining unit	Upper member of the Glen Rose Limestone		CU; evaporite beds AQ		350-500	Yellowish tan, thinly bedded limestone and marl	Some surface cave development	Some water production at evaporite beds / relatively impermeable

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

Note: CU = Confining Unit; AQ = Aquifer

Source: Stein and Ozuna, 1995.



GEOLOGY NARRATIVE

Site Name: Lone Star Car Wash
Address: 19220 Blanco Road
Location: 250 North of the Intersection of Blanco and Huebner Roads, San Antonio, Texas

Narrative of Site Specific Geology:

Literature Review: The attached figures show the location of the Site (Figure 1) the Site and Vicinity (Figure 3), Topographic Map (Figure 4), and two geologic maps: *Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas*, Blome and others, 2005 (Figure 4), and the *Geologic Atlas of Texas, San Antonio Sheet*, 1988 (Figure 5). The units mapped at the Site are part of the Lower Cretaceous Edwards Group and include the Dolomitic member and Basal nodular member of the Kainer Formation. The Dolomitic member and Basal nodular member of the Kainer Formation are described below.

Kainer Formation – Dolomitic member (Lower Cretaceous): Mudstone to grainstone and chert-bearing, crystalline limestone. Massive-bedded dolomitic member weathers light gray in outcrop and has abundant *Toucasia*. Cavern development is directly related to faults, fractures, and bedding planes; thus, considered nonfabric-selective porosity except where solution along bedding planes yields water. The thickness ranges between 110 and 140 feet.

Kainer Formation – Basal nodular member (Lower Cretaceous): Shaly, nodular limestone and burrowed mudstone to wackestone; minor lateral cavern development at surface and nonfabric-selective porosity. Identified in the field as gray nodular mudstone, containing black rotund bodies and *miliolids*, gastropods, and *Exogyra texana*. Considered regionally as a lower confining unit, and is locally water bearing through dissolution along bedding planes. The thickness ranges between 20 and 70 feet.

(Formation descriptions from *Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas*, Blome and others, 2005).

Site Observations: The existing car wash facility lies on a hillside at the top of a slope above Panther Spring Creek and at the bottom of the slope of a hill that lies west of the Site. Much of the Site above the creek and along Blanco Road is developed with an existing car wash with concrete pavement (Photographs 3 and 4). East and west of the car wash facility are undeveloped, cleared areas covered with short grass (Photographs 1 and 2). This area is designated for drainage improvements. The northeastern part of the Site is heavily wooded (Photographs 6 and 7). Along the creek are rock outcrops and native vegetation (Photographs 8 and 9).

Several small rock outcrops observed east of the car wash were composed of light gray crystalline limestone are likely outcrops of the Dolomitic member of the Kainer Formation, which is part of the Edwards Group (Photograph 5). Rock rubble and dark clay loam soil were observed in the wooded area in the northeast part of the Site (Photograph 6). A shallow closed depression was observed in the wooded area that was about 4 feet wide and 8 feet long. It appeared to be the result of scour and not related to karst development since it was near the Panther Springs Creek and there was rock and gravel rubble and other evidence of flooding or ground disturbance resulting from nearby construction activities (Photograph 7). In the bottom of Panther Springs Creek is massive, nodular gray mudstone (Photographs 8, 9, and 10). The gray color fine grain of the limestone indicates these are outcrops of the Basal nodular member of the Kainer Formation. The Basal nodular member has minor lateral cavern development at the surface and non-fabric-selective porosity. It is considered regionally to be a lower confining unit but is locally water bearing through dissolution along bedding planes.

Four features were identified that are listed on the Geologic Assessment Table. None of the features are in an area designated for the constructed improvement for the Site. These features are summarized below:

MB-1: Utilities are present along Blanco Road, and the car wash has underground piping for water, utilities, and sanitary sewers are in trenches in the limestone bedrock, which occurs at a depth of between about one and two feet. The utilities are closed systems, most are covered by concrete, and are not conduits for migration of water into the subsurface.

CD-1: A shallow, closed depression was observed in the woods in the northeast part of the Site. The depression appears to be a scour and not related to karst development. No evidence of openings, drainage, or karst development was observed associated with the feature.

F-1: Faults are marked on geologic maps in the vicinity, but none were observed in the field. The orientation and steep banks associated with Panther Springs Creek are likely structurally controlled, but no evidence of the faulting was observed on the Site. The steep bank on the north side of the creek suggests that the main fault may lie north of the creek.

SF-1: In the bed of Panther Springs Creek near Blanco Road solution enlarged fractures were observed in the streambed. The openings were very narrow and the fractures will filled with fine grained soil and organic material and may have been cemented closed with calcite below the surface. They are not interpreted to be significant recharge features. Since the area in the middle of the creek, they may be off the Site.

No voids that indicated a karst origin were observed on the Site. No faults, fractures, or other structural elements were shown on the *Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas*, Blome and others, 2005 or the *Geologic Atlas of Texas, San Antonio Sheet*, 1988 except the fault marked F-1. No water wells were observed on the Site. There was no evidence that recharge is occurring to the Edwards aquifer at the Site. If features are discovered during construction, work should stop and the Texas Commission on Environmental Quality (TCEQ) notified so that the feature can be evaluated.

Photographs are attached to show the Site.



Location

Photograph 1. View to the northeast from near the Lone Star Car Wash parking lot showing a grass covered cleared area east of the car wash and the detention pond that is part of the existing facility



Location

Photograph 2. View to the north from near the Lone Star Car Wash parking lot showing a grass covered cleared area east of the car wash and a metal storage building



Location

Photograph 3. View of the car wash from near the parking lot. The car wash and parking lot are paved in concrete.



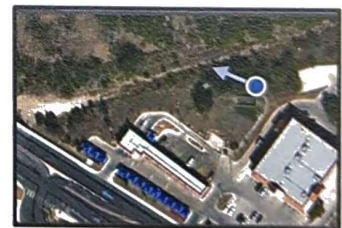
Location

Photograph 4. View to the south across the parking lot for the car wash.



Location

Photograph 5. Outcrops of light gray crystalline limestone are likely outcrops of the Dolomitic member of the Kainer Formation, which is part of the Edwards Group.



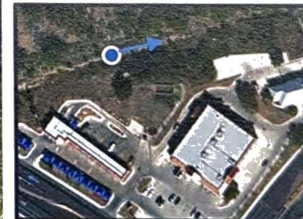
Location

Photograph 6. Rock rubble was observed in the woods near the northeast corner of the Site.



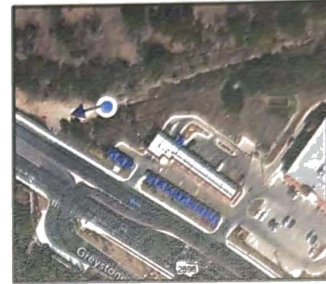
Location

Photograph 7. A shallow, closed depression was observed in the woods near the northeast corner of the Site. The depression was likely caused by scour and didn't appear to have a karst origin.



Location

Photograph 8. The limestone in the bottom of the creek is gray, massive mudstone that is likely outcrop of the Basal nodular member of the Kainer Formation.



Location

Photograph 9. Solution enlarged fractures were observed in the limestone. The fractures were filled with fine material including gravel, clay, and organics.



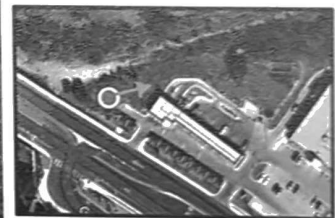
Location

Photograph 10. Fractures in the limestone in the bottom of Panther Springs Creek, which is on the northern boundary of the Site. These fractures are filled with calcite cement.



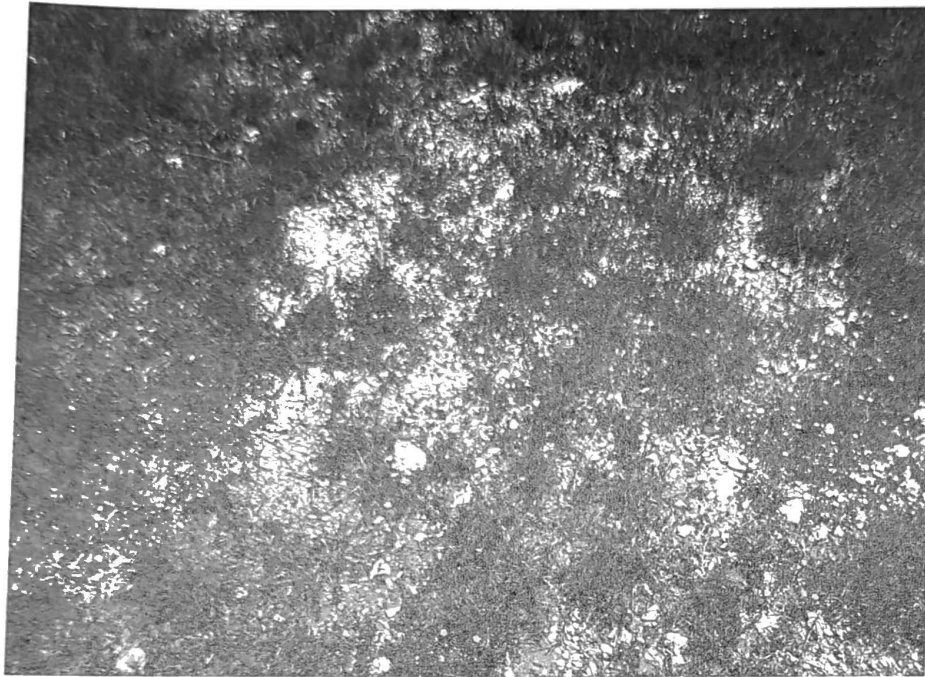
Location

Photograph 11. Rock outcrops in the bank of Panther Springs Creek are likely both Basal nodular member near the creek and Dolomitic member on the top of the bank.



Location

Photograph 12. View across the grass covered area on the northwest part of the Site.



Location

Photograph 13. Soil at the Site is Eckrant cobbly clay, 1 to 5 percent slopes. These soils are dark colored, very shallow, calcareous, and clayey. They developed over hard limestone and have scattered stones, gravel, channery fragments, cobblestones and flagstones on the surface and within the surface layer.

REFERENCES

Site Name: Lone Star Car Wash
Address: 19220 Blanco Road
Location: 250 North of the Intersection of Blanco and Huebner Roads, San Antonio, Texas

Blome, Charles D. and others, *Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas*, USGS, 2005.

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Stein, W.G., and Ozuna, G.B., 1995. *Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas*, U.S. Geol. Survey, Water – Resources Investigations 95-4030. 8 pp., 2 figs.

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United States Department of Agriculture, *Soil Survey of Bexar County, Texas*, 1966.

United States Department of Agriculture, Web Soil Survey 1.1, Natural Resource Conservation Service. <<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>, accessed June 2014.

United States Geologic Survey, *Bulverde and Camp Bullis Quadrangles*, USGS, Denver, Colorado.

Veni, George, 1988, *The Caves of Bexar County*, Second Edition. Speleological Monographs, 2, Texas Memorial Museum, Austin. 300 pp.

Explanation

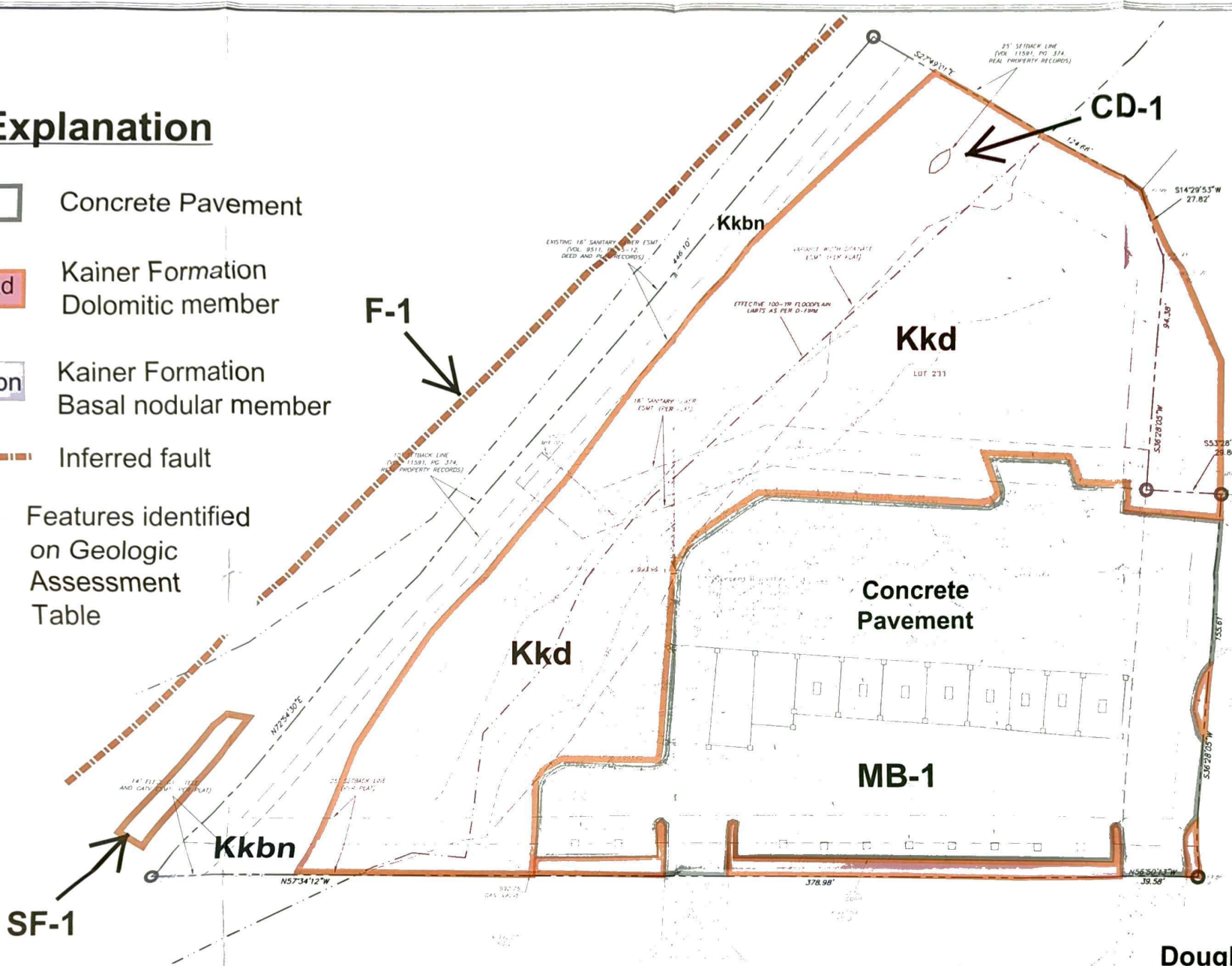
- Concrete Pavement
- Kkd
Kainer Formation
Dolomitic member
- Kkbn
Kainer Formation
Basal nodular member
- Inferred fault

F-1 Features identified on Geologic Assessment Table

LEGEND

- PROPERTY LINE
- EXISTING LOT AREA
- EXISTING SQUARE FOOTAGE
- EXISTING CONCRETE DRIVE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MESSAGES
- EXISTING CHASE LINE
- EXISTING/PROPOSED UTILITY POLES
- EXISTING TREE
- EXISTING CONCRETE

SCALE: 1" = 20 FT



Geologic Map

Lone Star Car Wash 19220 Blanco Road, San Antonio, Texas

Prepared by:
Douglas McGookey, P.G.



Temporary Stormwater Section

Texas Commission on Environmental Quality

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

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

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:

Print Name of Customer/Agent: Justin Baker, PE

Date: 05/19/2023

Signature of Customer/Agent:

Justin C. Baker

Regulated Entity Name: Smitty's Car Wash

Project Information

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:

The following fuels and/or hazardous substances will be stored on the site: _____

These fuels and/or hazardous substances will be stored in:

- 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.

- 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.
- Fuels and hazardous substances will not be stored on the site.
- 2. **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. 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. **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

- 5. **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 attached.
 - For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. 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: Panther Springs Creek

Temporary Best Management Practices (TBMPs)

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

- 7. **Attachment D – Temporary Best Management Practices and Measures.** 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 is attached:

- 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.
 - 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.
 - A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
 - 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 attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
 - There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. **Attachment F - Structural Practices.** A description of 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 is attached. Placement of structural practices in floodplains has been avoided.
10. **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - 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.

- There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. **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 have 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 attached.
- N/A
12. **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. 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. 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. 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. **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.

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

Administrative Information

20. All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
21. 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. 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.

Attachment A – Spill Response Actions

Regulations in 30 TAC Chapter 327 will be followed by the project contractor. Particular actions to be followed are provided in the following sections.

Spill/Leak Prevention Measures

- If possible, move material handling indoors, under cover, or away from storm drains or sensitive water bodies.
- Properly label all containers so that the contents are easily identifiable.
- Berm storage areas so that if a spill or leak occurs, the material is contained.
- Cover outside storage areas either with a permanent structure or with a seasonal one such as a tarp so that rain cannot come into contact with the materials.
- Check containers (and any containment sumps) often for leaks and spills. Replace containers that are leaking, corroded, or otherwise deteriorating with containers in good condition. Collect all spilled liquids and properly dispose of them.
- Store, contain and transfer liquid materials in such a manner that if the container is ruptured or the contents spilled, they will not discharge, flow or be washed into the storm drainage system, surface waters, or groundwater.
- Place drip pans or absorbent materials beneath all mounted taps and at all potential drip and spill locations during the filling and unloading of containers. Any collected liquids or soiled absorbent materials should be reused/recycled or properly disposed of.
- For field programs, only transport the minimum amount of material needed for the daily activities and transfer materials between containers at a municipal yard where leaks and spill are easier to control.
- If paved, sweep and clean storage areas monthly, do not use water to hose down the area unless all of the water will be collected and disposed of properly.
- Install a spill control device (such as a tee section) in any catch basins that collect runoff from any storage areas if the materials stored are oil, gas, or other materials that separate from and float on water. This will allow for easier cleanup if a spill occurs.
- If necessary, protect catch basins while conducting field activities so that if a spill occurs, the material will be contained.

Training

- Educate employees about spill prevention, spill response and cleanup on a routine basis.
- Well-trained employees can reduce human errors that lead to accidental releases or spills:
 - The employees should have the tools and knowledge to immediately begin cleaning up a spill if one should occur.
 - Employees should be familiar with the Spill Prevention Control and Countermeasure Plan if one is available.
- Training of staff from all municipal departments should focus on recognizing and reporting potential or current spills/leaks and who they should contact.
- Employees responsible for aboveground storage tanks and liquid transfers for large bulk containers should be thoroughly familiar with the Spill Prevention Control and Countermeasure Plan and the plan should be readily available

Spill Response and Prevention

- Identify key spill response personnel and train employees on who they are.
- Store and maintain appropriate spill cleanup materials in a clearly marked location near storage areas; and train employees to ensure familiarity with the site's spill control plan and/or proper spill cleanup procedures.
- Locate spill cleanup materials, such as absorbents, where they will be readily accessible (e.g. near storage and maintenance areas, on field trucks).
- Follow the Spill Prevention Control and Countermeasure Plan if one is available.
- If a spill occurs, notify the key spill response personnel immediately. If the material is unknown or hazardous, the local fire department may also need to be contacted.
- If safe to do so, attempt to contain the material and block the nearby storm drains so that the area impacted is minimized. If the material is unknown or hazardous wait for properly trained personnel to contain the materials.
- Perform an assessment of the area where the spill occurred and the downstream area that it could impact. Relay this information to the key spill response and clean up personnel.

Spill Cleanup Procedures

- Small non-hazardous spills
 - Use a rag, damp cloth or absorbent materials for general clean up of liquids.
 - Use brooms or shovels for the general clean up of dry materials.
 - If water is used, it must be collected and properly disposed of. The wash water cannot be allowed to enter the storm drain.
 - Dispose of any waste materials properly.
 - Clean or dispose of any equipment used to clean up the spill properly .
- Large non-hazardous spills
 - Use absorbent materials for general clean up of liquids.
 - Use brooms, shovels or street sweepers for the general clean up of dry materials.
 - If water is used, it must be collected and properly disposed of. The wash water cannot be allowed to enter the storm drain.
 - Dispose of any waste materials properly.
 - Clean or dispose of any equipment used to clean up the spill properly.
- For hazardous or very large spills, a private cleanup company or Hazmat team may need to be contacted to assess the situation and conduct the cleanup and disposal of the materials.
- Chemical cleanups of material can be achieved with the use of absorbents, gels, and foams. Remove the adsorbent materials promptly and dispose of according to regulations.
- If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be sent to a certified laundry (rags) or disposed of as hazardous waste.

Reporting

- Report any spills immediately to the identified key municipal spill response personnel.
- Report spills to the State of Texas Spill-Reporting Hotline and the SERC: 1-800-832-8224.
- Federal regulations require that any oil spill into a water body or onto an adjoining shoreline be reported to the National Response Center (NRC) at 800-424-8802 (24 hour).
- After the spill has been contained and cleaned up, a detailed report about the incident should be generated and kept on file (see the section on Reporting below). The incident may also be used in briefing staff about proper procedures.

Attachment B – Potential Sources of Contamination

1. Oil and Grease. Pollutants associated with demolition, earthwork, and construction operations.
2. Human waste. Associated with portable waste facilities.
3. Trash and litter. Associated with general construction activities.
4. Sediment. Associated with soil erosion from earthwork operations.

Attachment C – Sequence of Major Activities

The following activities will be undertaken, in the order shown below. Approximate areas associated with each activity are also provided.

- a. Install erosion/sedimentation controls as shown on construction plans provided in this application package, including silt fences, rock berms, and stabilized construction entrances/exits (0.04 acres).
- b. Demolition of existing site, including building and existing paving and removing topsoil layer of existing landscaped areas (1.08 acres).
- c. Regrade existing site, using appropriate soil stabilization practices (0.97 acres).
- d. Construct building pads (0.11 acres).
- e. Installation of water, wastewater, and gas utility lines (0.07 acres).
- f. Construct new car wash building (0.11 acres).
- g. Construct new parking lot and access areas (0.71 acres).
- h. Install permanent landscaping (0.34 acres).
- i. Rehabilitate existing water quality pond (0.05 acres)
- j. Stabilize disturbed areas (0.97 acres).
- k. Remove temporary erosion controls (0.04 acres).

The total area to be disturbed is approximately 1.38 acres.

Attachment D – Temporary Best Management Practices and Measures

Soil on site will be disturbed by proposed grading within the existing water quality pond and downstream detention pond. Therefore, the contractor will be responsible for the installation of on-site erosion control measures, including rock berms, silt fences, and stabilized construction entrances/exits. These protection measures must be installed before any construction work or site preparation begins. Further details on each of these proposed measures are provided below:

1. Silt Fences: installed along downgradient boundary of limits of construction (approx. 414 linear feet).
2. Rock Berms: installed downgradient of areas of expected concentrated stormwater flow.
3. Stabilized Construction Entrance/Exit: installed at the entrance and exit to be used during construction activities.

These proposed temporary BMPs will be maintained and repaired according to the plan and schedule provided in *F-0602, Attachment I*. These proposed measures are also shown in the construction plans included in this application package.

Attachment F – Structural Practices

The project contractor will be responsible for all temporary best management practices. The following structural practices are proposed for this project:

1. Silt fences for erosion control.
2. Rock berms for inlet and outlet protection.
3. Stabilized construction entrances/exits.

Attachment G – Drainage Area Map

The project drainage area is provided in the construction plans included in the Permanent Stormwater Section of this application package.

Attachment I – Inspection and Maintenance for BMPs

The following requirements are reproduced from TCEQ Technical Guidance RG 348.

Silt Fences

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

Rock Berms

- Inspection should be made weekly and after each rainfall by the responsible party. For installations in streambeds, additional daily inspections should be made.
- Remove sediment and other debris when buildup reaches 6 inches and dispose of the accumulated silt in an approved manner that will not cause any additional siltation.
- Repair any loose wire sheathing.
- The berm should be reshaped as needed during inspection.
- The berm should be replaced when the structure ceases to function as intended due to silt accumulation among the rocks, washout, construction traffic damage, etc.
- The rock berm should be left in place until all upstream areas are stabilized and accumulated silt removed.

Stabilized Construction Entrances/Exits

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

Maintenance records will be kept on the installation, maintenance, and removal of the temporary BMPs. All inspections will also be documented.

Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

Interim Stabilization Measures

Interim stabilization measures will be required when soil is disturbed during construction. These measures should follow the guidelines provided in TCEQ Technical Guidance Manual RG-348. Stabilization measures should be implemented as soon as possible after soil disturbance in each area, and not more than 14 days after construction activity ends in that area. Interim stabilization methods used by the contractor will include at least one of the following:

- Temporary Vegetation
- Installation of blankets or matting material
- Hydraulic Mulch

Permanent Stabilization Measures

Permanent stabilization measures will include installation of permanent vegetation, including grass sod or seeding for ground cover. The contractor will be responsible for sodding all cut and fill areas upon completion of construction. Seeding and/or sodding should follow the guidelines provided in TCEQ Technical Guidance Manual RG-348.

Permanent Stormwater Section

Texas Commission on Environmental Quality

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

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

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:

Print Name of Customer/Agent: Justin Baker, PE

Date: 05/19/2023

Signature of Customer/Agent



Regulated Entity Name: Smitty's Car Wash

Permanent Best Management Practices (BMPs)

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

- 1. Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
 - N/A
- 2. These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
 - The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

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

N/A

3. 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.

N/A

4. 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.

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

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

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

5. 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. The 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 attached.

The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.

The 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 attached.
 - No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.
 - 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, and an explanation is attached.
7. **Attachment C - BMPs for On-site Stormwater.**
- A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.
 - 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, and an explanation is attached.
8. **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 attached. Each feature identified in the Geologic Assessment as sensitive has been addressed.
- N/A
9. 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.
- The permanent sealing of or diversion of flow from a naturally-occurring sensitive feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed.
 - Attachment E - Request to Seal Features.** A request to seal a naturally-occurring sensitive feature, that includes, for each feature, a justification as to why no reasonable and practicable alternative exists, is attached.
10. **Attachment F - Construction Plans.** All construction plans and design calculations for the proposed permanent BMP(s) and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. The plans are attached and, if applicable include:
- Design calculations (TSS removal calculations)
 - TCEQ construction notes
 - All geologic features
 - All proposed structural BMP(s) plans and specifications
- N/A

11. **Attachment G - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:
- Prepared and certified by the engineer designing the permanent BMPs and measures
 - Signed by the owner or responsible party
 - Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
 - A discussion of record keeping procedures
- N/A
12. **Attachment H - Pilot-Scale Field Testing Plan.** Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
- N/A
13. **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 attached. 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.
- N/A

Responsibility for Maintenance of Permanent BMP(s)

Responsibility for maintenance of best management practices and measures after construction is complete.

14. 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.
- N/A
15. 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.
- N/A

Attachment B – BMPs for Upgradient Stormwater

Upgradient stormwater does not flow across the site, and therefore no BMPs for upgradient stormwater are proposed.

Attachment C – BMPs for On-site Stormwater

On-site stormwater will be treated by an existing sedimentation/filtration pond located at the north east corner of the property. This system consists of two water quality chambers separated by a rock gabion wall, which allows water to move from the sedimentation chamber to the filtration chamber. The proposed project will have 12.6% less impervious cover than the existing drainage area (i.e. a reduction from approximately 0.85 acres at present to approximately 0.74 acres for the proposed site). There are no offsite areas that drain to the project area. After treatment through the sedimentation and filtration chambers, flow will be discharged into Panther Springs Creek.

Based on the proposed area of impervious cover within the drainage area upstream of the existing pond, the water quality treatment volume for the site is required to be at least 3,522 cubic feet.¹ The existing pond was designed to provide a total capture volume of 4,592 cubic feet, with a sand filtration area of 574 square feet.² Therefore, based on the TSS calculations required by TCEQ and the decrease in impervious cover proposed for the site, it has been determined that the existing sedimentation/filtration pond, when restored to its original design, will have the capacity to treat stormwater runoff from the site as required by TCEQ.

The sedimentation/filtration basin shall be restored to design conditions as shown in the construction plans included in this application package. Restoration shall include, but is not limited to:

1. Ensuring existing 4" drain pipe is free of clogs or obstructions, and daylight properly into the existing creek bed.
2. Ensuring existing 4" gate valve is present and in working condition ensuring existing basin dimensions and elevations match those shown in the existing plan sheet.
3. Removing and replacing top 6 inches of sand alter layer.
4. Ensuring existing sand filtration layer is of the appropriate thickness, and is free of clogs, vegetation, discoloration, or any other condition which may impede its functioning as designed
5. Ensuring existing basin is mowed

Any items found to be deficient shall be repaired on-site or replaced as necessary to ensure existing sedimentation/filtration basin is restored to the conditions shown in the construction plans included in this application package.

¹ All water quality calculations are provided in the TCEQ TSS spreadsheet template, included in this application package.

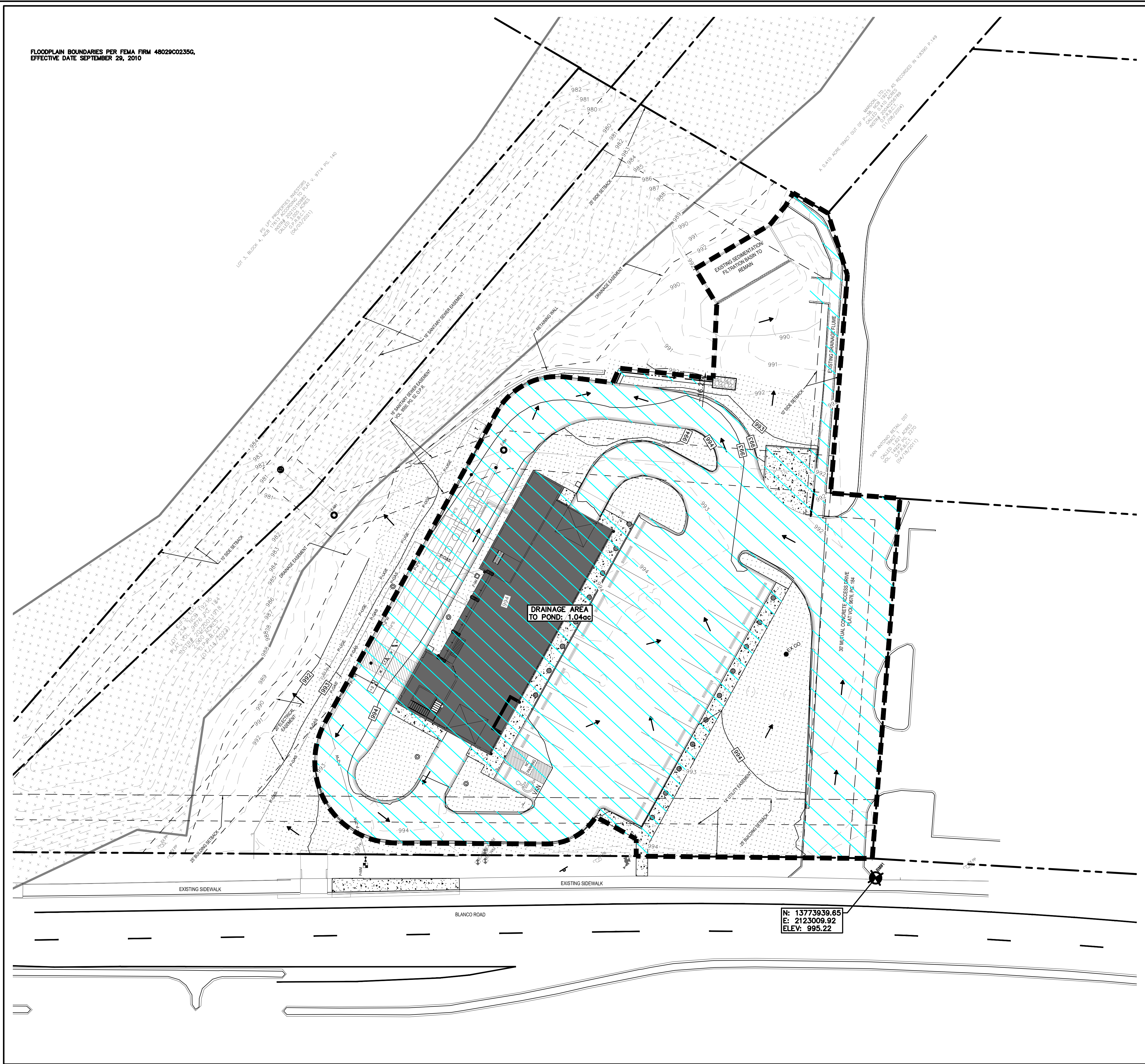
² These values were obtained from the Edwards Aquifer Permit 13-14081301 (WPAP Modification) approval letter dated March 12, 2001.

Attachment D – BMPs for Surface Streams

On-site stormwater, up to the design water quality capture volume of the existing pond (4,592 cubic feet), will be routed to an existing sedimentation/filtration pond located at the north east corner of the property. This system consists of two water quality chambers separated by a rock gabion wall, which allows water to move from the sedimentation chamber to the filtration chamber. After treatment through the sedimentation and filtration chambers, flow will be discharged into Panther Springs Creek, a surface stream. For runoff volumes greater than this water quality capture volume, the additional water will be discharged directly to Panther Springs Creek.

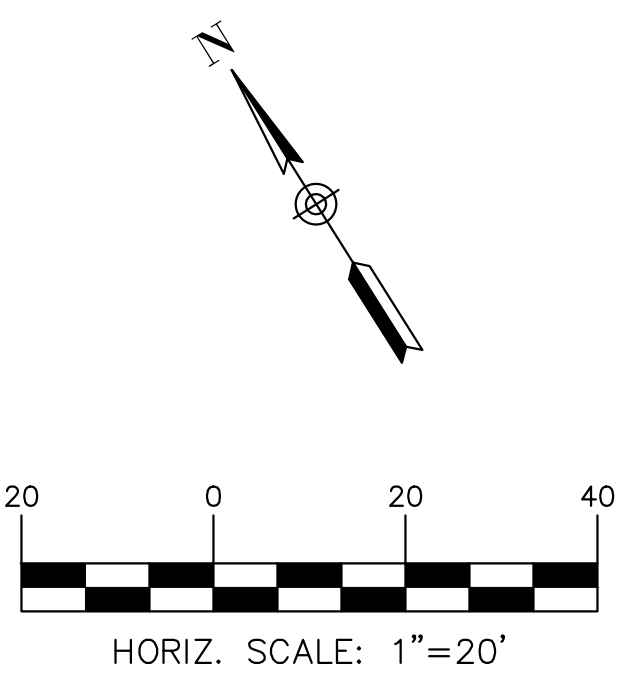
Attachment F – Construction Plans

FLOODPLAIN BOUNDARIES PER FEMA FIRM 48029C0235G,
EFFECTIVE DATE SEPTEMBER 29, 2010



LEGEND

- 452 - EXISTING CONTOUR
- — PROPOSED CONTOUR
- --- SILT FENCE
- - - - LIMITS OF CONSTRUCTION
- → → → FLOW ARROW
- ▨▨▨▨ PROPOSED IMPERVIOUS COVER
- --- LOT BOUNDARY
- □ □ □ FEMA 100yr FLOODPLAIN
- ▭ ▭ ▭ ▭ LANDSCAPE AREA
- □ □ □ CONCRETE
- — CREEK CENTERLINE
- - - - DRAINAGE AREA BOUNDARY



LOT 3, BLOCK 4, JWS PROPERTIES INVESTMENT, PLAT NO. 19978, LOT 3, 10/13/08, 11/11/11, PG. 149

A 6.410 ACRE TRACT OUT OF JWS PROPERTIES INVESTMENT, PLAT NO. 19978, LOT 3, 10/13/08, 11/11/11, PG. 149

SWAN ANTIPOD STAKE 0371
VALLEY, 11/11/08, 11/11/11, PG. 243
10/13/08, 11/11/11, PG. 243

DRAINAGE AREA TO POND: 1.04ac

N: 13773939.65
E: 2123009.92
ELEV: 995.22

AquaStrategies
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TX PELS Firm #15911

Justin C. Baker
F-15911
5/23/2023

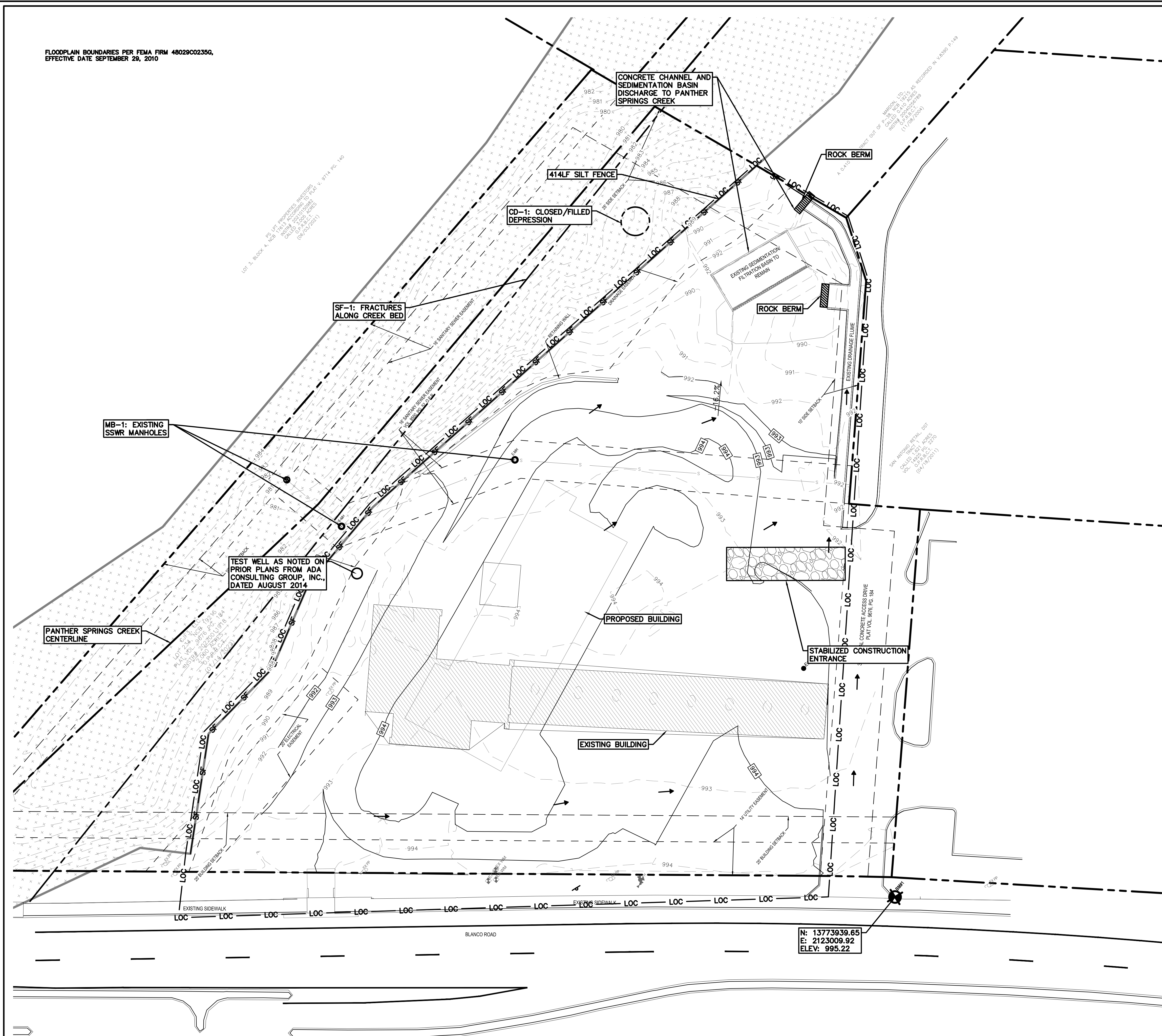
DRAINAGE AREA MAP
SMITTY'S CAR WASH
SAN ANTONIO, TX

REVISIONS	
NO.	REVISION DESCRIPTION

DATE:	MAY 2023
DESIGNED BY:	JMM
DRAWN BY:	JMM
REVIEWED BY:	JCB

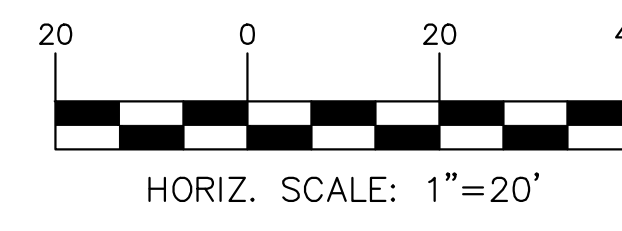
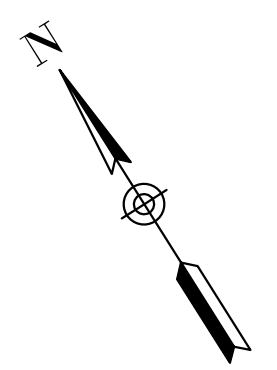
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FLOODPLAIN BOUNDARIES PER FEMA FIRM 48029C0235G,
EFFECTIVE DATE SEPTEMBER 29, 2010



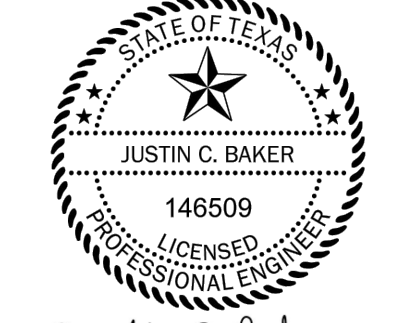
LEGEND

- 452 - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR
- - - - - SILT FENCE
- - - - - LIMITS OF CONSTRUCTION
- - - - - ROCK BERM
- - - - - FLOW ARROW
- - - - - EXISTING GEOLOGIC FEATURE
- - - - - PROPOSED IMPERVIOUS COVER
- - - - - LOT BOUNDARY
- - - - - FEMA 100yr FLOODPLAIN
- - - - - LANDSCAPE AREA
- - - - - CONCRETE
- - - - - CREEK CENTERLINE
- - - - - DRAINAGE AREA BOUNDARY



GEOLOGIC FEATURES SHOWN ARE TAKEN FROM GEOLOGIC ASSESSMENT CONDUCTED BY MEDINA CONSULTING COMPANY, JUNE 2014. LOCATIONS ARE APPROXIMATE. AQUA STRATEGIES, INC. DISCLAIMS ALL LIABILITY FOR ACCURACY OR COMPLETENESS OF GEOLOGIC INFORMATION. CONTRACTOR SHALL VERIFY AND PROPERLY ABANDON EXISTING TEST WELL IF NECESSARY.

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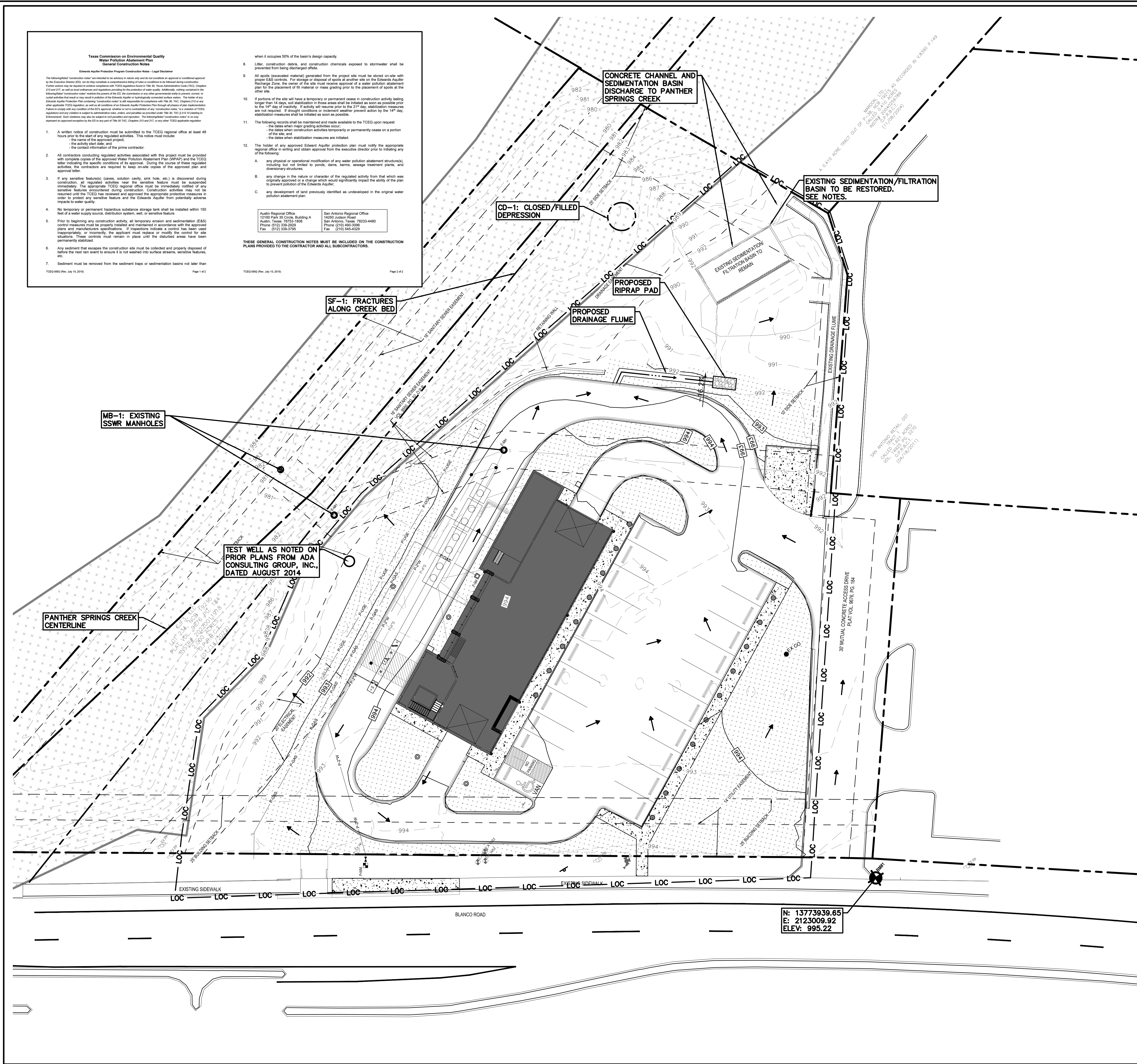
Justin C. Baker
F-15911
5/23/2023

**WPAP SITE PLAN
& TEMPORARY BMP'S
SMITTY'S CAR WASH**
SAN ANTONIO, TX

REVISIONS		DATE
NO.	REVISION DESCRIPTION	

DATE: MAY 2023
DESIGNED BY: JMM
DRAWN BY: JMM
REVIEWED BY: JCB

SHEET #
W1.1



LEGEND

--- 452 ---	EXISTING CONTOUR
- - -	PROPOSED CONTOUR
- . - . -	SILT FENCE
- - - LOC	LIMITS OF CONSTRUCTION
- - -	FLOW ARROW
- . - . -	ROCK BERM
- - -	EXISTING GEOLOGIC FEATURE
////	PROPOSED IMPERVIOUS COVER
- - -	LOT BOUNDARY
+	FEMA 100Y FLOODPLAIN
□	LANDSCAPE AREA
- . - . -	CONCRETE
- - -	CREEK CENTERLINE
- - -	DRAINAGE AREA BOUNDARY

HORIZ. SCALE: 1" = 20'

GEOLGIC FEATURES SHOWN ARE TAKEN FROM GEOLOGIC ASSESSMENT CONDUCTED BY MEDINA CONSULTING COMPANY, JUNE 2014. LOCATIONS ARE APPROXIMATE. AQUA STRATEGIES, INC. DISCLAIMS ALL LIABILITY FOR ACCURACY OR COMPLETENESS OF GEOLOGIC INFORMATION.

SEDIMENTATION/FILTRATION BASIN SHALL BE RESTORED TO CONDITIONS AS SHOWN IN THE ATTACHED PLAN SHEET FROM HALLENBERGER ENGINEERING L.C., DATED FEBRUARY 2001. RESTORATION SHALL INCLUDE, BUT IS NOT LIMITED TO:

- ENSURING EXISTING 4" DRAIN PIPE IS FREE OF CLOGS OR OBSTRUCTIONS, AND DAYLIGHTS PROPERLY INTO EXISTING CREEKBED
- ENSURING EXISTING 4" GATE VALVE IS PRESENT AND IN WORKING CONDITION
- ENSURING EXISTING BASIN DIMENSIONS AND ELEVATIONS MATCH THOSE SHOWN IN THE EXISTING PLAN SHEET
- REMOVING AND REPLACING TOP 6 INCHES OF SAND FILTER LAYER
- ENSURING EXISTING SAND FILTRATION LAYER IS OF THE APPROPRIATE THICKNESS, AND IS FREE OF CLOGS, VEGETATION, DISCOLORATION, OR ANY OTHER CONDITION WHICH MAY IMPEDE ITS FUNCTIONING AS DESIGNED
- ENSURING EXISTING BASIN IS MOWED

ANY ITEMS FOUND TO BE DEFICIENT SHALL BE REPAIRED ON-SITE OR REPLACED AS NECESSARY TO ENSURE EXISTING SEDIMENTATION/FILTRATION BASIN IS RESTORED TO THE CONDITIONS SHOWN IN THE ATTACHED PLAN SHEET. AQUA STRATEGIES, INC. DISCLAIMS ALL LIABILITY REGARDING THE COMPLETENESS OF THE LIST SHOWN ABOVE.

CONTRACTOR, SITE ENGINEER, ARCHITECT, AND/OR OTHER APPROPRIATE PARTIES SHALL ENSURE THAT ALL WASTE WATER GENERATED BY OPERATION OF THE CARWASH SHALL DRAIN INTO EXISTING SANITARY SEWER, AND SHALL NOT BE DIRECTED INTO THE EXISTING STORMWATER SYSTEM. AQUA STRATEGIES, INC. DISCLAIMS ALL LIABILITY REGARDING ROUTING OF CAR WASH WASTE WATER.

CONTRACTOR SHALL VERIFY AND ABANDON TEST WELL IF NECESSARY.

IMPERVIOUS COVER	
PERMITTED	36,979SF
PROPOSED	32,308SF

- Texas Commission on Environmental Quality
Water Pollution Abatement Plan
General Construction Notes
- When it occupies 50% of the basin's design capacity.
 - Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
 - All spoils excavated material generated from the project site must be stored on-site with proper S&S controls. For storage or disposal of spoils at another site on the Edwards Aquifer Recharge Zone, the contractor shall submit and receive approval of a Spill Prevention and Control Plan for the placement of fill material or mass grading prior to the placement of spoils at the other site.
 - If portions of the site will have a temporary or permanent access in construction activity lasting longer than 14 days, soil stabilization in those areas shall be initiated as soon as possible prior to the 14th day of activity. If activity will require prior to the 14th day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.
 - 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.
 - The holder of any approved Edwards 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:
 - any physical or operational modification of any water pollution abatement structure(s) including but not limited to ponds, dams, berms, sewage treatment plants, and diversion structures.
 - 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.
 - any development of land previously identified as undeveloped in the original water pollution abatement plan.

ASSET REGIONAL OFFICE
12100 Park 30 Circle, Building A
Austin, Texas 78758-0809
Phone (512) 325-2369
Fax (512) 325-2765

SAN ANTONIO REGIONAL OFFICE
14202 Judson Road
San Antonio, Texas 78233-4400
Phone (210) 460-3008
Fax (210) 465-4208

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

TCEQ 090 (Rev. July 15, 2010) Page 3 of 2

AquaStrategies

Water Planning, Science & Engineering

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Dripping Springs, TX 78620-5000
(512) 826-2604
TX PELS Firm #15911

SIGNATURE OF JUSTIN C. BAKER
F-15911
5/23/2023

WPAP PERMANENT BMP'S

SMITTY'S CAR WASH

SAN ANTONIO, TX

REV. NO.	REVISION DESCRIPTION	DATE

DATE: **MAY 2023**

DESIGNED BY: **JMM**

DRAWN BY: **JMM**

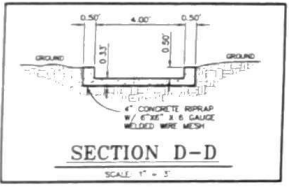
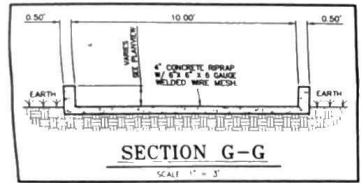
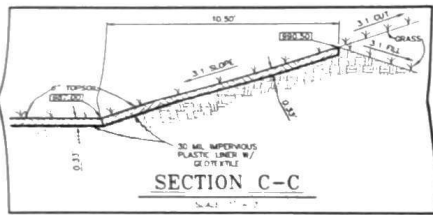
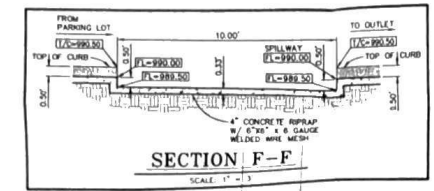
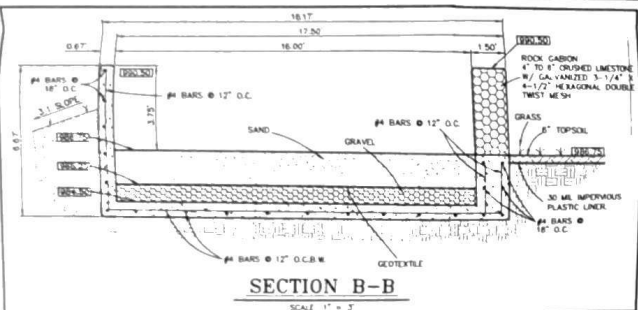
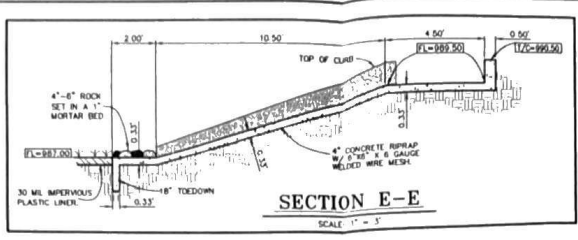
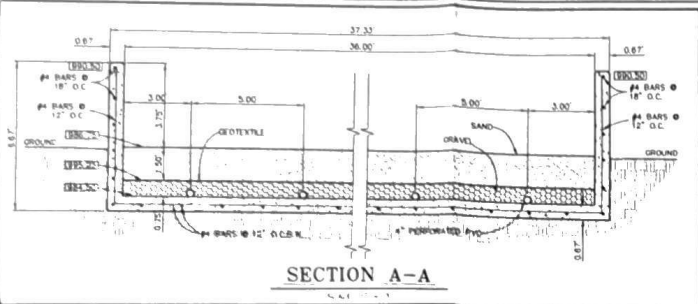
REVIEWED BY: **JCB**

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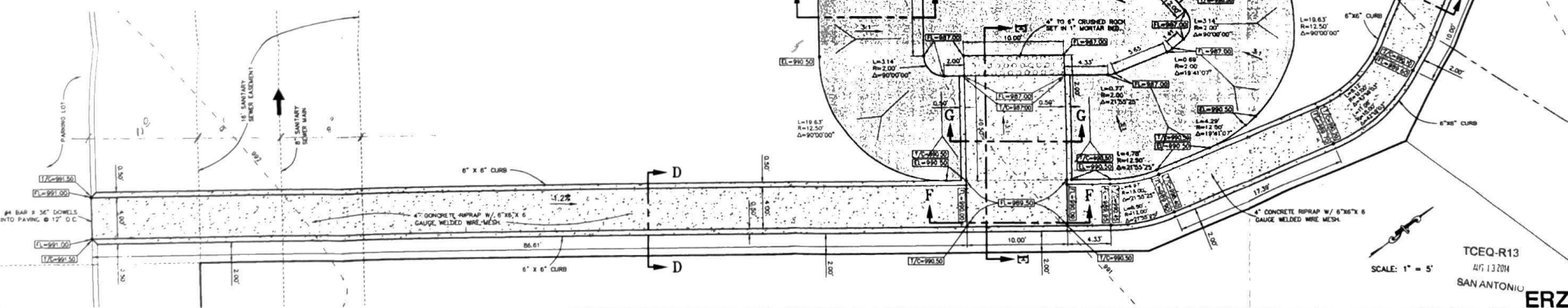
FLOODPLAIN BOUNDARIES PER FEMA FIRM 48028C0235G, EFFECTIVE DATE SEPTEMBER 28, 2010

PROPERTY	TEST METHOD	SPECIFICATION
DENSITY (pcf)		8
FILTRATION RATE (gpm/ft²)		0.08
PUNCTURE STRENGTH (lb)	ASTM D-751 (modified)	125
TENSILE STRENGTH (psi)	ASTM D-751	400
TENSILE STRENGTH (lb)	ASTM D-1684	200
GRID OPENING SIZE (in)	US STANDARD SIEVE	60

PROPERTY	TEST METHOD	SPECIFICATION
PERFORATED PVC PIPE		
PERFORATION PATTERN / ASTM F756		
3/16" HOLES		



- GENERAL NOTES:**
- CONCRETE FOR STRUCTURE SHALL BE CLASS "A", 3000 PSI AT 28 DAYS.
 - ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4".
 - ALL BARS INTERCEPTING PIPE OPENINGS SHALL BE FIELD CUT.
 - WHERE LAPPING BARS IS REQUIRED, A MINIMUM OF 18" SHALL BE USED.
 - ALL DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.
 - ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, GRADE 60.
 - ALL PVC PIPE IS SCHEDULE 40.
 - SAND IS TO BE 0.02-0.04 INCHES IN DIAMETER WHICH CORRESPONDS TO ASTM C-33 CONCRETE SAND.
 - GRAVEL - ELEVATION (1/2-C-TOP OF CURB, FL-FLOWLINE, 1/W-TOP OF WALL).
 - ALL REINFORCING STEEL TO HAVE A MINIMUM OF 2" OF COVER.
 - ALL FILL AND TOPSOIL MUST MEET 90% RELATIVE COMPACTION.
 - 30 MIL IMPERVIOUS LINING TO BE ULTRAVIOLET RESISTANT.
 - IMPERVIOUS LINER TO HAVE GEOTEXTILE ABOVE AND BELOW LINER.



TCEQ-13
 4/6/13/2004
 SAN ANTONIO

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.

Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_{II} \times P)$

where:

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

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

County = **Bexar**
 Total project area included in plan * = **2.00** acres
 Predevelopment impervious area within the limits of the plan * = **0.00** acres
 Total post-development impervious area within the limits of the plan * = **0.74** acres
 Total post-development impervious cover fraction * = **0.37**
 P = **30** inches

$L_{M \text{ TOTAL PROJECT}}$ = **605** lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = **1**

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

Drainage Basin/Outfall Area No. = **1**
 Total drainage basin/outfall area = **1.04** acres
 Predevelopment impervious area within drainage basin/outfall area = **0.00** acres
 Post-development impervious area within drainage basin/outfall area = **0.74** acres
 Post-development impervious fraction within drainage basin/outfall area = **0.73**
 $L_{M \text{ THIS BASIN}}$ = **605** lbs.

Justin C. Baker



Justin C. Baker
 05/23/2023

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Sand Filter**
 Removal efficiency = **89** percent

Aqualogic Cartridge Filter

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

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

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

where:

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

A_C = **1.04** acres
 A_i = **0.74** acres
 A_p = **0.30** acres
 L_R = **690** lbs

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

Desired $L_{M \text{ THIS BASIN}}$ = **605** lbs.

F = **0.88**

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.

Calculations from RG-348

Pages 3-34 to 3-36

Rainfall Depth = **1.50** inches
 Post Development Runoff Coefficient = **0.52**
 On-site Water Quality Volume = **2935** cubic feet

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

Off-site area draining to BMP = **0.00** acres
 Off-site Impervious cover draining to BMP = **0.00** acres
 Impervious fraction of off-site area = **0**
 Off-site Runoff Coefficient = **0.00**
 Off-site Water Quality Volume = **0** cubic feet

Storage for Sediment = 587

Total Capture Volume (required water quality volume(s) x 1.20) = 3522 cubic feet

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

7. Retention/Irrigation System

Designed as Required in RG-348

Pages 3-42 to 3-46

Required Water Quality Volume for retention basin = NA cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate = 0.1 in/hr Enter determined permeability rate or assumed value of 0.1

Irrigation area = NA square feet

NA acres

8. Extended Detention Basin System

Designed as Required in RG-348

Pages 3-46 to 3-51

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

9. Filter area for Sand Filters

Designed as Required in RG-348

Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin = 3522 cubic feet

Minimum filter basin area = 163 square feet

Maximum sedimentation basin area = 1468 square feet For minimum water depth of 2 feet

Minimum sedimentation basin area = 367 square feet For maximum water depth of 8 feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins = 3522 cubic feet

Minimum filter basin area = 294 square feet

Maximum sedimentation basin area = 1174 square feet For minimum water depth of 2 feet

Minimum sedimentation basin area = 73 square feet For maximum water depth of 8 feet

10. Bioretention System

Designed as Required in RG-348

Pages 3-63 to 3-65

Required Water Quality Volume for Bioretention Basin = NA cubic feet

11. Wet Basins

Designed as Required in RG-348

Pages 3-66 to 3-71

Required capacity of Permanent Pool = NA cubic feet Permanent Pool Capacity is 1.20 times the WQV

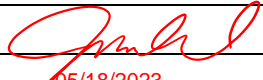
Required capacity at WQV Elevation = NA cubic feet Total Capacity should be the Permanent Pool Capacity

Attachment G – Inspection, Maintenance, Repair and Retrofit Plan

The following requirements are reproduced from TCEQ Technical Guidance RG 348.

1. **Inspections.** BMP facilities must be inspected at least twice a year (once during or immediately following wet weather) to evaluate facility operation. During each inspection, erosion areas inside and downstream of the BMP must be identified and repaired or revegetated immediately. With each inspection, any damage to the structural elements of the system (pipes, concrete drainage structures, retaining walls, etc.) must be identified and repaired immediately. Cracks, voids and undermining should be patched/filled to prevent additional structural damage. Trees and root systems should be removed to prevent growth in cracks and joints that can cause structural damage.
2. **Sediment Removal.** Remove sediment from the inlet structure and sedimentation chamber when sediment buildup reaches a depth of 6 inches or when the proper functioning of inlet and outlet structures is impaired. Sediment should be cleared from the inlet structure at least every year and from the sedimentation basin at least every 5 years.
3. **Media Replacement.** Maintenance of the filter media is necessary when the draw-down time exceeds 48 hours. When this occurs, the upper layer of sand should be removed and replaced with new material meeting the original specifications. Any discolored sand should also be removed and replaced. In filters that have been regularly maintained, this should be limited to the top 2 to 3 inches.
4. **Debris and Litter Removal.** Debris and litter will accumulate near the sedimentation basin outlet device and should be removed during regular mowing operations and inspections. Particular attention should be paid to floating debris that can eventually clog the control device or riser.
5. **Filter Underdrain.** Clean underdrain piping network to remove any sediment buildup as needed to maintain design drawdown time.
6. **Mowing.** Grass areas in and around sand filters must be mowed at least twice annually to limit vegetation height to 18 inches. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas. Vegetation on the pond embankments should be mowed as appropriate to prevent the establishment of woody vegetation.

Maintenance records will be kept on the maintenance, repair, or rehabilitation of the partial sedimentation pond. All inspections will also be documented. An amended copy of this document will be provided to TCEQ within 30 days of any changes to the following information.

Project Name:	Smitty's Car Wash
Street Address:	19220 Blanco Road, San Antonio, TX 78258
Responsible Party:	Mr. Jeff Newland
Mailing Address:	203 S. First Street, Lufkin, TX 75901
Email:	jnewland@smittyscarwash.com
Telephone:	903-720-5896
Signature:	
Date:	05/18/2023

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

I Jeff Newland
Print Name

Director of Construction Services
Title - Owner/President/Other

of Squirrels' Real Estate LLC
Corporation/Partnership/Entity Name

have authorized Justin Baker, PE
Print Name of Agent/Engineer

of Aqua Strategies, Inc.
Print Name of Firm

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

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

[Handwritten Signature]
Applicant's Signature

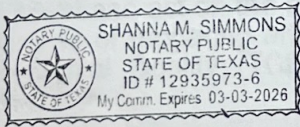
5/25/2023
Date

THE STATE OF Texas §

County of Gregg §

BEFORE ME, the undersigned authority, on this day personally appeared Jeffrey Newland 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 25 day of May, 2023



Shanna M Simmons
NOTARY PUBLIC

Shanna M Simmons
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 3/3/2026

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Smitty's Car Wash

Regulated Entity Location: San Antonio, TX

Name of Customer: Squirrels' Real Estate LLC

Contact Person: Justin Baker, PE

Phone: 512-216-9804

Customer Reference Number (if issued): CN N/A

Regulated Entity Reference Number (if issued): RN 102837531

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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:

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	2.00 Acres	\$ \$4,000
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: Justin C. Baker

Date: 05/19/2023

Application Fee Schedule

Texas Commission on Environmental Quality

Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

<i>Project</i>	<i>Project Area in Acres</i>	<i>Fee</i>
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1	\$3,000
	1 < 5	\$4,000
	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

<i>Project</i>	<i>Cost per Linear Foot</i>	<i>Minimum Fee- Maximum Fee</i>
Sewage Collection Systems	\$0.50	\$650 - \$6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

<i>Project</i>	<i>Cost per Tank or Piping System</i>	<i>Minimum Fee- Maximum Fee</i>
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

Exception Requests

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150



TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN 102837531

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		1/17/2023	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input checked="" type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Squirrels' Real Estate LLC				RCO Ventures, Inc.	
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID	10. DUNS Number (if applicable)
804205144		32080737227		(9 digits) 873156545	
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees				13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		203 S. First St.			
City		Lufkin	State	TX	ZIP
				75901	ZIP + 4
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
			jnewland@smittyscarwash.com		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)							
<input type="checkbox"/> New Regulated Entity <input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)							
Smitty's Car Wash							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>		19220 Blanco Rd.					
City	San Antonio	State	TX	ZIP	78258	ZIP + 4	
24. County	Bexar						

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:							
26. Nearest City				State		Nearest ZIP Code	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)	
5087				811192			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Car wash facility (automatic)							
34. Mailing Address:		19220 Blanco Road					
City	San Antonio	State	TX	ZIP	78258	ZIP + 4	
35. E-Mail Address:		jnewland@smittyscarwash.com					
36. Telephone Number			37. Extension or Code		38. Fax Number (if applicable)		
(903) 720-5896					() -		

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

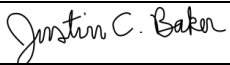
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Justin Baker			41. Title:	Water Resources Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(512) 216-9804		() -	jbaker@aquastrategies.com		

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Aqua Strategies, Inc.		Job Title:	Water Resources Engineer	
Name (In Print):	Justin Baker			Phone:	(512) 216- 9804
Signature:				Date:	5/19/2023