Modification of a Previously Approved Contributing Zone Plan Checklist

- Edwards Aquifer Application Cover Page (TCEQ-20705)
- Modification of a Previously Approved Contributing Zone Plan Form (TCEQ-10259)

Attachment A - Original Approval Letter and Approved Modification Letters

Attachment B - Narrative of Proposed Modification

Attachment C - Current site plan of the approved project

- Contributing Zone Plan Application (TCEQ-10257)
- Storm Water Pollution Prevention Plan (SWPPP)

-OR-

- Temporary Stormwater Section (TCEQ-0602)
- Copy of Notice of Intent (NOI)
- 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)

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

- 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: HEIGHTS OF CROWNRIDGE UNIT 2 RESIDENTIAL 3. Customer Name: WARNER LAND ADVISORS, LP				2. Regulated Entity No.: 104953229				
				4. Customer No.:				
5. Project Type: (Please circle/check one)	New	Modif	fication)	Exter	nsion	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 10. Permanent I 12. AST/UST (No		3	8. Sit	te (acres):	43.54	
9. Application Fee:	8,000			BMP(s): 20% [20% Deed Res	Restriction	
11. SCS (Linear Ft.):	NA			12. AST/UST (No. Tanks):		NA MAVERICK		
13. County:	BEXAR	14. Watershed:						

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 1	Region	
County:	Hays	Travis	Williamson
Original (1 req.)	_		
Region (1 req.)	_	_	_
County(ies)	_	_	_
Groundwater Conservation District(s)	Edwards Aquifer AuthorityBarton Springs/ Edwards AquiferHays TrinityPlum Creek	Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	AustinBudaDripping SpringsKyleMountain CitySan MarcosWimberleyWoodcreek	AustinBee CavePflugervilleRollingwoodRound RockSunset ValleyWest Lake Hills	AustinCedar ParkFlorenceGeorgetownJerrellLeanderLiberty HillPflugervilleRound Rock

	Sa	an Antonio Region			
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	_1_	_		_	_
Region (1 req.)	_1_	_			
County(ies)	_1_	_			
Groundwater Conservation District(s)	_1_ Edwards Aquifer Authority Trinity-Glen Rose	Edwards Aquifer Authority	Kinney	EAA Medina	EAA Uvalde
City(ies) Jurisdiction	Castle HillsFair Oaks RanchHelotesHill Country VillageHollywood Park _1_San Antonio (SAWS)Shavano Park	Bulverde Fair Oaks Ranch Garden Ridge New Braunfels Schertz	NA	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.	
WARNER LAND ADVISORS, LP	
STEPHEN SALLMAN	
Print Name of Customer/Authorized Agent 7/28/24	
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):	Payable to TCEQ (Y/	/N):
Core Data Form Complete (Y/N):	Check: Signed (Y/N):	
Core Data Form Incomplete Nos.:	Less than 90 days ol	d (Y/N):

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

Print Name of Customer/Agent: Kavanaugh Consulting, LLC, By David Parkerson, PE

Date: <u>07/08/24</u>

Signature of Customer/Agent:

Project Information

1.	Current Regulated Entity Name: Warner Land Advisors, LP
	Original Regulated Entity Name: BP 100 San Antonio, Ltd.
	Assigned Regulated Entity Number(s) (RN): 104953229
	Edwards Aquifer Protection Program ID Number(s): 2521.00
	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):

	 Any physical or operational modification of any best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
	Any change in the nature or character of the regulated activity from that which was originally approved;
	 A change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or Any development of land previously identified in a contributing zone plan as undeveloped.
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.

CZP Modification	Approved Project	Proposed Modification
Summary		
Acres	43.54	<u>43.54</u>
Type of Development	Residential	<u>Residential</u>
Number of Residential	84 Homes	6 Homes + 300 MF Units
Lots		
Impervious Cover (acres)	8.4	<u>8.1</u>
Impervious Cover (%)	<u>19.3</u>	<u>18.6</u>
Permanent BMPs	20% IC Deed Restriction	20% IC Deed Restriction
Other	<u>NA</u>	NA
AST Modification	Approved Project	Proposed Modification
Summary		
Number of ASTs	<u>0</u>	<u>0</u>
Other	<u>NA</u>	NA
UST Modification	Approved Project	Proposed Modification
Summary		
Number of USTs	<u>0</u>	<u>0</u>
Other	<u>NA</u>	<u>NA</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,

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. Acreage has not been added to or removed from the approved plan. Acreage has been added to or removed from the approved plan and is discussed in Attachment B: Narrative of Proposed Modification. 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

including previous modifications, and how this proposed modification will change the

office.

Kathleen Hartnett White, Chairman R. B. "Ralph" Marquez, Commissioner Larry R. Soward, Commissioner Glenn Shankle, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 19, 2006

Mr. Shaul Baruch
BP 100 San Antonio, Ltd.
8235 Douglas Avenue, Suite 770
Dallas, TX 75225

Re:

Edwards Aquifer, Bexar County

NAME OF PROJECT: Heights of Crownridge, Unit 2; Located east of the intersection of Babcock

and Huermann Road; San Antonio, Texas

TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas

Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program File No. 2521.00

Regulated Entity Number: RN104953229 Investigation Number: 466587

Dear Mr. Baruch:

The Contributing Zone Plan application for the referenced project was submitted to the San Antonio Regional Office by Carter & Burgess, Inc. on behalf of BP 100 San Antonio, Ltd. on April 28, 2006. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Contributing Zone 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% of the construction has commenced on the project or an extension of time has been requested.

PROJECT DESCRIPTION

The proposed residential project will be located on 43.54 acres and will consist of an 84 lot single family residential subdivision with roads, curbs, sidewalks, houses, driveways, and utilities. The proposed impervious cover for the development is approximately 8.40 acres (19.3 % of the total area of the site). Project wastewater will be disposed of by conveyance to the existing Leon Creek Wastewater Treatment Plant owned by the San Antonio Water System.

PERMANENT POLLUTION ABATEMENT MEASURES

This single-family residential subdivision will have less than 20 % impervious cover upon completion of construction.

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

SPECIAL CONDITIONS

- I. Since this single-family residential subdivision will have less than 20% impervious cover, an exemption from permanent BMPs is approved. If the percentage of impervious cover ever increases above 20 % or the land use changes, the exemption for the whole site as described in the Contributing Zone Plan may no longer apply and the property owner must notify the San Antonio Regional Office of these changes.
- II. Intentional discharges of sediment laden stormwater are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetative filter strips, sediment traps, rock berms, silt fence rings, etc.
- III. 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.
- IV. The applicant shall provide all contractors with a copy of pages 1-35 through 1-60 of TCEQ TGM RG-348 (2005) as a guide for soil stabilization practices and assure that any soil stabilization is performed is in accordance with these practices and the approved plan.
- V. Temporary best management practices are required during the home construction phase of development on the individual lots.
- VI. 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 record the approval is enclosed.
- VII. The Contributing Zone Plan General Construction Notes (TCEQ-0592A) were not included in the construction drawings, notes, or details. The referenced notes are to be included on the construction drawings that are to be maintained on-site as described in Standard Condition 2.

STANDARD CONDITIONS

1. Pursuant to §26.136 of the Texas Water Code and the Texas Health and Safety Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

- 2. 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 Contributing Zone Plan and this notice of approval shall be maintained at the project until all regulated activities are completed.
- 3. Any modification to the activities described in the referenced CZP 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.

Mr. Shaul Baruch Page 3 July 19, 2006

- 4. The applicant must provide written notification of intent to commence construction 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
- 5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) 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.

During Construction:

- 6. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 7. 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 significantly reduced. 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).
- 8. 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.
- 9. 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:

- 10. Owners of permanent BMPs and measures must insure that the 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 San Antonio Regional Office within 30 days of site completion.
- 11. 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

Mr. Shaul Baruch Page 4 July 19, 2006

> 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. 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 (TCEQ-10263) is enclosed.

- Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the 12. approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone 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.
- A Contributing Zone Plan approval or extension will expire and no extension will be granted if more 13. than 50% of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone 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.
- 14. 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 Lynn M. Bumguardner of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4023.

Sincerely.

Glenn Shankle **Executive Director**

Texas Commission on Environmental Quality

GS/LMB/eg

Enclosure(s): Change in Responsibility for Maintenance on Permanent BMPs-Form TCEQ-10263

Deed Recordation Affidavit, TCEQ-0625

Mr. Ishtiak Saleh, P.E., Carter & Burgess, Inc.

Mr. Scott Halty, San Antonio Water System

Ms. Renee Green, P.E., Bexar County Public Works

Mr. Robert J. Potts, Edwards Aquifer Authority

TCEQ Central Records, Building F, MC 212

Kavanaugh Consulting, LLC

108 River Oaks Drive Wimberley, Texas 78676 (512) 587 – 7397

Attachment B

Project Narrative

Heights of Crownridge Unit 2 Residential

July 07, 2024

I. Site Location Description

Crownridge is a master-planned community in northwest San Antonio on the west side of IH-10 and north side of Camp Bullis Road. This project known as Heights of Crownridge Unit 2 is phase 2 of a subordinate residential planned community in Crownridge. Unit 2 is comprised of 43.54-acres of residential property ("the Project") and began the construction of improvements in 2006 along with the improvements to Unit 1. Unit 1 is now completed and constructed as residential uses with single-family and multi-family units. This Project OF Unit 2 is a hilltop and construction started in 2006 and has continued to this day.

The Project is located in the Upper Leon Creek Watershed. The effective FEMA Firm Map (No. 48029C0210 G) dated September 29, 2010 indicates that this property is outside the boundaries of the FEMA 100-Year floodplain delineation. A FEMA and USGS Map are included herein.

Considerations for onsite drainage, sewer and water service, and erosion controls have been based on the City of San Antonio Unified Development Code requirements. The overall drainage analysis was performed as part of the master planning of the Heights of Crownridge. Detention facilities will be constructed onsite to meet the needs of this intended development.

II. <u>Existing Project Conditions</u>

This Project is located within the City Limits of San Antonio and further within Bexar County. The site is also located in the Contributing Zone to the Edwards Aquifer Recharge Zone. The site is hilly with various rock outcroppings throughout as is typical for the Texas hill country. Downstream of the property are various natural drainage ways that convey drainage from this hilltop site to the existing regional offsite creek (Maverick) that then flows into Leon Creek much further downstream. There are no upstream properties conveying drainage to this Project site as it is a hilltop. The site itself is in a state of construction and has been cleared and graded as per the previously approved and permitted residential development started in 2006. Various utilities have been constructed across the site and are in service. And, the driveways into the Project are completed. The site drainage splits in various directions with the majority of the site flowing into a small tributary to Maverick Creek on the northwest side of the Property. This Project has existing drainage easements to accommodate the conveyance of the drainage offsite.

III. <u>Proposed Project Conditions</u>

This Project is a modification to a previously approved residential development that is already under construction. This modification will reduce the developed area of the site and will dedicate more downstream land to greenspace and tree preservation area, which is downhill of the developed area and so will also provide natural water quality controls to stormwater. The design elements included in this modification are the same as those for the initial development plan for Unit 2. The Project development will include clearing, grading, retaining walls, roadway, an entry drive from Babcock Road, driveways, drive aisles, parking stalls, utilities, houses, residential buildings, and landscaping with a 25+ Acre tree preservation area. There are no proposed public streets with this Project. The proposed slopes for the parking areas and finished areas of the lots will be approximately 4-5% with closer to 1% around the future buildings. Based on proposed ultimate impervious cover, weighted C-Values were calculated for the drainage areas as shown on the Proposed Overall Master Drainage Area Map and included herein. Times of Concentration are included on the map. The ultimate flows were calculated for the 2, 5, 10, 25, and 100-year storms for use in design using the Rational Method and

the 2012 Bexar County Intensities. They are shown on the Proposed Overall Master Drainage Area Map and included herein. Detention for the site will be provided by a proposed detention pond.

IV. Onsite Drainage Analysis

The onsite storm sewer system is comprised of rooftops and paved parking areas and roads as collection locations. They will drain to inlets which collect and pipe the drainage into natural drainage ways that will provide natural water quality treatment and eventually flow to the adjacent creek as shown. The Project area included in the plan is approximately 16-Acres with an impervious cover acreage of 8.1-Acres.

The proposed and existing storm sewer facilities serving this Project have been designed and constructed with proper engineering consideration and per the City of San Antonio UDC requirements. Storm sewers will minimize discharge velocities and other impacts to the existing terrain and flowlines within the development. This project will not have any adverse impacts on downstream habitable structures.

V. <u>Heights of Crownridge Unit 2 Residential - CZP - Approval History</u>

a. Original Approval (2006)

The Heights of Crownridge Unit 2 Residential Project is operating under an Original Approved CZP dated July 19, 2006 for the 43.54-Acre residential-use site. The original approval is attached along with the overall site layout with an impervious cover proposed at 8.4-Acres (19.3%). Since the original approval, construction and development has been continuous and the CZP has not been modified. The Original approval was for an exemption to the requirement for permanent BMP's due to the nature of the development as residential and with the maximum impervious cover proposed being below 20% across the tract.

ATTACHMENT C HEIGHTS OF CROWNRIDGE UNIT 2 RESIDENTIAL (84 - LOTS) 2006

Contributing Zone Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), 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 **Contributing Zone Plan Application** is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent: <u>Warner Land Advisors, LP (Customer) / Kavanaugh Consulting, LLC - David Parkerson, PE (Agent)</u>

Date: <u>07/14/24</u>

Signature of Customer/Agent:

Regulated Entity Name: Heights of Crownridge Unit 2 Residential

Project Information

- 1. County: Bexar
- 2. Stream Basin: Leon Creek
- 3. Groundwater Conservation District (if applicable): _____
- 4. Customer (Applicant):

Contact Person: <u>Stephen Sallman</u> Entity: Warner Land Advisors, LP

Mailing Address: 4040 North Central Expressway, Suite 850
City, State: Dallas, Texas
Telephone: 214-368-0238
Fax:

	Email Address: ssallman@warnergroup.com	<u>n</u>
5.	Agent/Representative (If any):	
	Contact Person: <u>David Parkerson, PE</u> Entity: <u>Kavanaugh Consulting, LLC</u> Mailing Address: <u>108 River Oaks Drive</u> City, State: <u>WImberley, Texas</u> Telephone: <u>512-587-7397</u> Email Address: <u>kavanaughconsulting@gma</u>	Zip: <u>78676</u> Fax: il.com
6.	Project Location:	
	 The project site is located inside the cit The project site is located outside the cit jurisdiction) of The project site is not located within an 	ity limits but inside the ETJ (extra-territorial
7.		bed below. Sufficient detail and clarity has been aff can easily locate the project and site
	Intersection of Burnett Bluff Rd at Real OR 19238 Babcock Road, San Antonio, Tex	
8.		o showing directions to and the location of the y shows the boundary of the project site.
9.	Attachment B - USGS Quadrangle Map Quadrangle Map (Scale: 1" = 2000') is a	. A copy of the official 7 ½ minute USGS ttached. The map(s) clearly show:
	☑ Project site boundaries.☑ USGS Quadrangle Name(s).	
10.		etailed narrative description of the proposed otion is consistent throughout the application and letails:
	 Area of the site ○ Offsite areas ○ Impervious cover ○ Permanent BMP(s) ○ Proposed site use ○ Site history ○ Previous development ○ Area(s) to be demolished 	

11. 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/Not cleared)
	Other:
12.	The type of project is:
	Residential: # of Lots: <u>6</u> Residential: # of Living Unit Equivalents: <u>300</u> Commercial
	│ Industrial │ Other: <u>2 Large Greenspace/Park/Permeable Areas</u>
	Other. 2 Large Greenspace/Fark/Fermeable Areas
13.	Total project area (size of site): <u>43.54</u> Acres

Total disturbed area: 12 Acres

14. Estimated projected population: 356

15. The amount and type of impervious cover expected after construction is complete is shown below:

Table 1 - Impervious Cover

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	114,431	÷ 43,560 =	2.6
Parking	238,405	÷ 43,560 =	5.5
Other paved surfaces		÷ 43,560 =	
Total Impervious Cover	352,836	÷ 43,560 =	8.1

Total Impervious Cover $8.1 \div$ Total Acreage $43.5 \times 100 = 18.6\%$ Impervious Cover

- 16. Attachment D Factors Affecting Surface Water Quality. A detailed description of all factors that could affect surface water quality is attached. If applicable, this includes the location and description of any discharge associated with industrial activity other than construction.
- 17. \boxtimes Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

For Road Projects Only

Complete questions 18 - 23 if this application is exclusively for a road project. \times N/A 18. 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. 19. Type of pavement or road surface to be used: Concrete Asphaltic concrete pavement Other: 20. Right of Way (R.O.W.): Length of R.O.W.: _____ feet. Width of R.O.W.: feet. L x W = $Ft^2 \div 43,560 Ft^2/Acre = acres.$ 21. Pavement Area: Length of pavement area: _____ feet. Width of pavement area: _____ feet. Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = _____% impervious cover. 22. A rest stop will be included in this project. A rest stop will not be included in this project. 23. 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 24. Attachment E - 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 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

25. Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.
□ N/A
26. Wastewater will be disposed of by:
On-Site Sewage Facility (OSSF/Septic Tank):
Attachment F - 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 28 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.
\boxtimes Sewage Collection System (Sewer Lines): The sewage collection system will convey the wastewater to the <u>Dos Rios</u> (name) Treatment Plant. The treatment facility is:
Existing. Proposed.
□ N/A
Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

Complete questions 27 - 33 if this project includes the installation of AST(s) with volume(s) greater than or equal to 500 gallons.

⊠N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1			
2			
3			

				ance to be			
AST Number	Size (Gall	ize (Gallons)		Stored		Tank Mat	erial
4							
5							
	•			Tota	al x 1	.5 =	Gallons
 28. The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems. Attachment G - Alternative Secondary Containment Methods. Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are attached. 29. Inside dimensions and capacity of containment structure(s): 							
Table 3 - Secondary Containment							
Length (L)(Ft.)	h(L)(Ft.) Width(W)(Ft.) Height (H)(Ft.) L x W x H = (1)		L X W X H = (F	·t3)	Gall	ons	
30. Piping: All piping, hoses, and dispensers will be located inside the containment structure. Some of the piping to dispensers or equipment will extend outside the containment structure. The piping will be aboveground The piping will be underground The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of:							
32. Attachment H - AST Containment Structure Drawings. A scaled drawing of the containment structure is attached that shows the following:							
 Interior dimensions (length, width, depth and wall and floor thickness). Internal drainage to a point convenient for the collection of any spillage. Tanks clearly labeled Piping clearly labeled 							

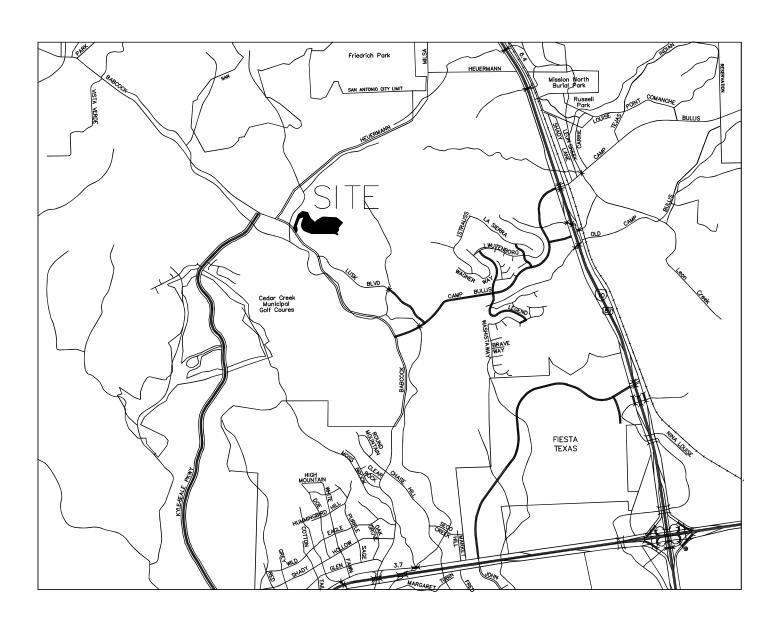
Dispenser clearly labeled
33. Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.
 In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly. In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.
Site Plan Requirements
Items 34 - 46 must be included on the Site Plan.
34. \square The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = <u>100</u> '.
35. 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 MAP 48029 C 0210 G.
36. 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, etc. are shown on the site plan.
The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
37. A drainage plan showing all paths of drainage from the site to surface streams.
38. The drainage patterns and approximate slopes anticipated after major grading activities
39. Areas of soil disturbance and areas which will not be disturbed.
40. \(\sum \) Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
41. \int Locations where soil stabilization practices are expected to occur.
42. Surface waters (including wetlands).
⊠ N/A

43.	. Locations where stormwater discharges to surface water.
	There will be no discharges to surface water.
44.	. Temporary aboveground storage tank facilities.
	igwedge Temporary aboveground storage tank facilities will not be located on this site.
45.	. Permanent aboveground storage tank facilities.
	Permanent aboveground storage tank facilities will not be located on this site.
46.	. 🔀 Legal boundaries of the site are shown.
Pe	ermanent Best Management Practices (BMPs)
Pro	actices and measures that will be used during and after construction is completed.
47.	. Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
	⊠ N/A
48.	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
49.	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
50.	. 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.

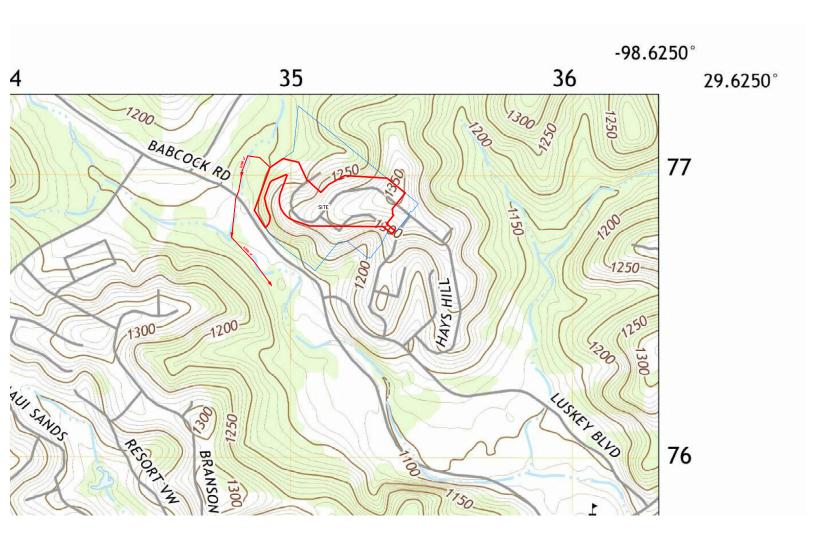
	 ☑ The site will be used for low density single-family residential development and has 20% or less impervious cover. ☑ The site will be used for low density single-family residential development but has more than 20% impervious cover. ☑ The site will not be used for low density single-family residential development.
	The executive director may waive the requirement for other permanent BMPs for multifamily 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 I - 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.
52.	Attachment J - 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.
53.	Attachment K - 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 wate or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.
54.	Attachment L - BMPs for Surface Streams. A description of the BMPs and measures that prevent pollutants from entering surface streams is attached.

	\boxtimes	N/A
55.		Attachment M - Construction Plans . Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.
		N/A
56.		Attachment N - Inspection, Maintenance, Repair and Retrofit Plan. A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:
		Prepared and certified by the engineer designing the permanent BMPs and measures
		 Signed by the owner or responsible party Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit. Contains a discussion of record keeping procedures
	\boxtimes	N/A
57.		Attachment O - 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
58.		Attachment P - 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 result in water quality degradation.
	\boxtimes	N/A
	-	oonsibility for Maintenance of Permanent BMPs and sures after Construction is Complete.
59.		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.
60.	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.
Adm	inistrative Information
61. 🔀	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.
62. 🔀	Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.
63.	The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.
\boxtimes	The Temporary Stormwater Section (TCFO-0602) is included with the application



VICINITY MAP N.T.S.



Kavanaugh Consulting, LLC

108 River Oaks Drive Wimberley, Texas 78676 (512) 587 – 7397

Attachment B

Project Narrative

Heights of Crownridge Unit 2 Residential

July 07, 2024

I. Site Location Description

Crownridge is a master-planned community in northwest San Antonio on the west side of IH-10 and north side of Camp Bullis Road. This project known as Heights of Crownridge Unit 2 is phase 2 of a subordinate residential planned community in Crownridge. Unit 2 is comprised of 43.54-acres of residential property ("the Project") and began the construction of improvements in 2006 along with the improvements to Unit 1. Unit 1 is now completed and constructed as residential uses with single-family and multi-family units. This Project OF Unit 2 is a hilltop and construction started in 2006 and has continued to this day.

The Project is located in the Upper Leon Creek Watershed. The effective FEMA Firm Map (No. 48029C0210 G) dated September 29, 2010 indicates that this property is outside the boundaries of the FEMA 100-Year floodplain delineation. A FEMA and USGS Map are included herein.

Considerations for onsite drainage, sewer and water service, and erosion controls have been based on the City of San Antonio Unified Development Code requirements. The overall drainage analysis was performed as part of the master planning of the Heights of Crownridge. Detention facilities will be constructed onsite to meet the needs of this intended development.

II. <u>Existing Project Conditions</u>

This Project is located within the City Limits of San Antonio and further within Bexar County. The site is also located in the Contributing Zone to the Edwards Aquifer Recharge Zone. The site is hilly with various rock outcroppings throughout as is typical for the Texas hill country. Downstream of the property are various natural drainage ways that convey drainage from this hilltop site to the existing regional offsite creek (Maverick) that then flows into Leon Creek much further downstream. There are no upstream properties conveying drainage to this Project site as it is a hilltop. The site itself is in a state of construction and has been cleared and graded as per the previously approved and permitted residential development started in 2006. Various utilities have been constructed across the site and are in service. And, the driveways into the Project are completed. The site drainage splits in various directions with the majority of the site flowing into a small tributary to Maverick Creek on the northwest side of the Property. This Project has existing drainage easements to accommodate the conveyance of the drainage offsite.

III. <u>Proposed Project Conditions</u>

This Project is a modification to a previously approved residential development that is already under construction. This modification will reduce the developed area of the site and will dedicate more downstream land to greenspace and tree preservation area, which is downhill of the developed area and so will also provide natural water quality controls to stormwater. The design elements included in this modification are the same as those for the initial development plan for Unit 2. The Project development will include clearing, grading, retaining walls, roadway, an entry drive from Babcock Road, driveways, drive aisles, parking stalls, utilities, houses, residential buildings, and landscaping with a 25+ Acre tree preservation area. There are no proposed public streets with this Project. The proposed slopes for the parking areas and finished areas of the lots will be approximately 4-5% with closer to 1% around the future buildings. Based on proposed ultimate impervious cover, weighted C-Values were calculated for the drainage areas as shown on the Proposed Overall Master Drainage Area Map and included herein. Times of Concentration are included on the map. The ultimate flows were calculated for the 2, 5, 10, 25, and 100-year storms for use in design using the Rational Method and

the 2012 Bexar County Intensities. They are shown on the Proposed Overall Master Drainage Area Map and included herein. Detention for the site will be provided by a proposed detention pond.

IV. Onsite Drainage Analysis

The onsite storm sewer system is comprised of rooftops and paved parking areas and roads as collection locations. They will drain to inlets which collect and pipe the drainage into natural drainage ways that will provide natural water quality treatment and eventually flow to the adjacent creek as shown. The Project area included in the plan is approximately 16-Acres with an impervious cover acreage of 8.1-Acres.

The proposed and existing storm sewer facilities serving this Project have been designed and constructed with proper engineering consideration and per the City of San Antonio UDC requirements. Storm sewers will minimize discharge velocities and other impacts to the existing terrain and flowlines within the development. This project will not have any adverse impacts on downstream habitable structures.

V. <u>Heights of Crownridge Unit 2 Residential - CZP - Approval History</u>

a. Original Approval (2006)

The Heights of Crownridge Unit 2 Residential Project is operating under an Original Approved CZP dated July 19, 2006 for the 43.54-Acre residential-use site. The original approval is attached along with the overall site layout with an impervious cover proposed at 8.4-Acres (19.3%). Since the original approval, construction and development has been continuous and the CZP has not been modified. The Original approval was for an exemption to the requirement for permanent BMP's due to the nature of the development as residential and with the maximum impervious cover proposed being below 20% across the tract.

ATTACHMENT D FACTORS AFFECTING SURFACE WATER QUALITY

PROJECT NAME: Heights of Crownridge Unit 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

FACTORS:

The factors affecting water quality for this project are the following:

- Soil Disturbance from clearing and grading and general construction activity.
 Potential fuel leaks from construction machinery and equipment
 Concrete washout pit activity

There are no industrial discharges associated with this construction.

ATTACHMENT E VOLUME AND CHARACTER OF STORM WATER

PROJECT NAME: Heights of Crownridge 2 Residential

ADDRESS: 19238 Babcock Road

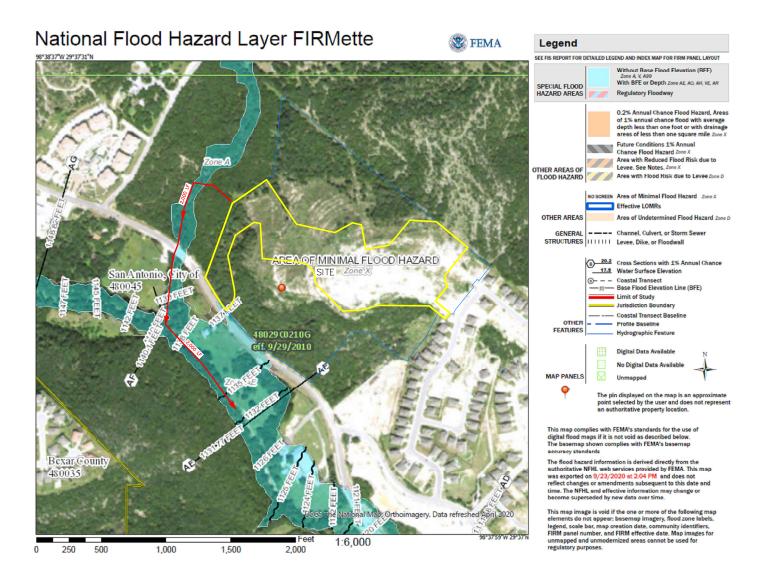
CITY, STATE: <u>San Antonio, TX 78255</u>

VOLUME:

The flow rate of storm water runoff for each drainage area affecting the Project (Q2,5,10,25,100) was calculated using the rational method due to smaller drainage areas. Calculations are shown on the Drainage Area Map enclosed.

CHARACTER:

The Character of the runoff is standard Residential (Residential Homes, Buildings, driveways and Parking).



Kavanaugh Consulting, LLC

108 River Oaks Drive Wimberley, Texas 78676 (512) 587 – 7397 kavanaughconsulting@gmail.com

July 24, 2024

TCEQ San Antonio Region 14250 Judson Road San Antonio, Texas 78233 (210) 490-3096

Re: EAPP CZP Modification – Waiver of Permanent BMP Heights of Crownridge Unit 2 Residential (Single-Family / Multi-Family)

Please consider this request for a waiver to the EAPP permanent BMPs for water quality controls for a project with a maximum impervious cover of 20%. This request is in reference to a modification of a previously approved Contributing Zone Plan. The Original CZP (#2521.0) was approved for Single-Family use with an impervious cover of 19.3% (less than 20%) and the project is ongoing. This proposed Modification will be to complete the project for residential uses combining both Single-Family and Multi-Family. This plan continuation will be comprised of the same design elements of utilities, walls, pavement and rooftops, but will have a lower proposed impervious cover of 18.6%. If approved, this exemption from permanent BMPs will be recorded in the county deed records with proper notice.

This project known as Heights of Crownridge Unit 2 Residential is the second phase of a subordinate residential planned community in Crownridge, which is a master-planned community in northwest San Antonio on the west side of IH-10 and north side of Camp Bullis Road. Unit 2 is comprised of 43.54-acres of residential property and began the construction of improvements in 2006 along with the improvements to Unit 1. Unit 1 is now completed and constructed as residential uses with single-family and multi-family units. Unit 2 is ongoing.

This modification will reduce the developed area of the site and will dedicate more downstream land to greenspace and tree preservation area, which is downhill of the developed area and so will also provide natural water quality controls to stormwater. Drainage from this site will travel onsite across natural drainage ways within the 43.54-Acre tract for approximately 1,000-LF before exiting the site, which will provide additional water quality treatment.

We hope that this request meets with your approval and we look forward to hearing from your office.

Thanks.

David Parkerson, PE

Kavanaugh Consulting, LLC (Agent)

ATTACHMENT J BMP'S FOR UPGRADIENT STORMWATER

PROJECT NAME: Heights of Crownridge 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: <u>San Antonio, TX 78255</u>

Permanent BMP's are not required for upgradient stormwater as there is none to this site due to the Project at the top of the hill and surrounding properties.

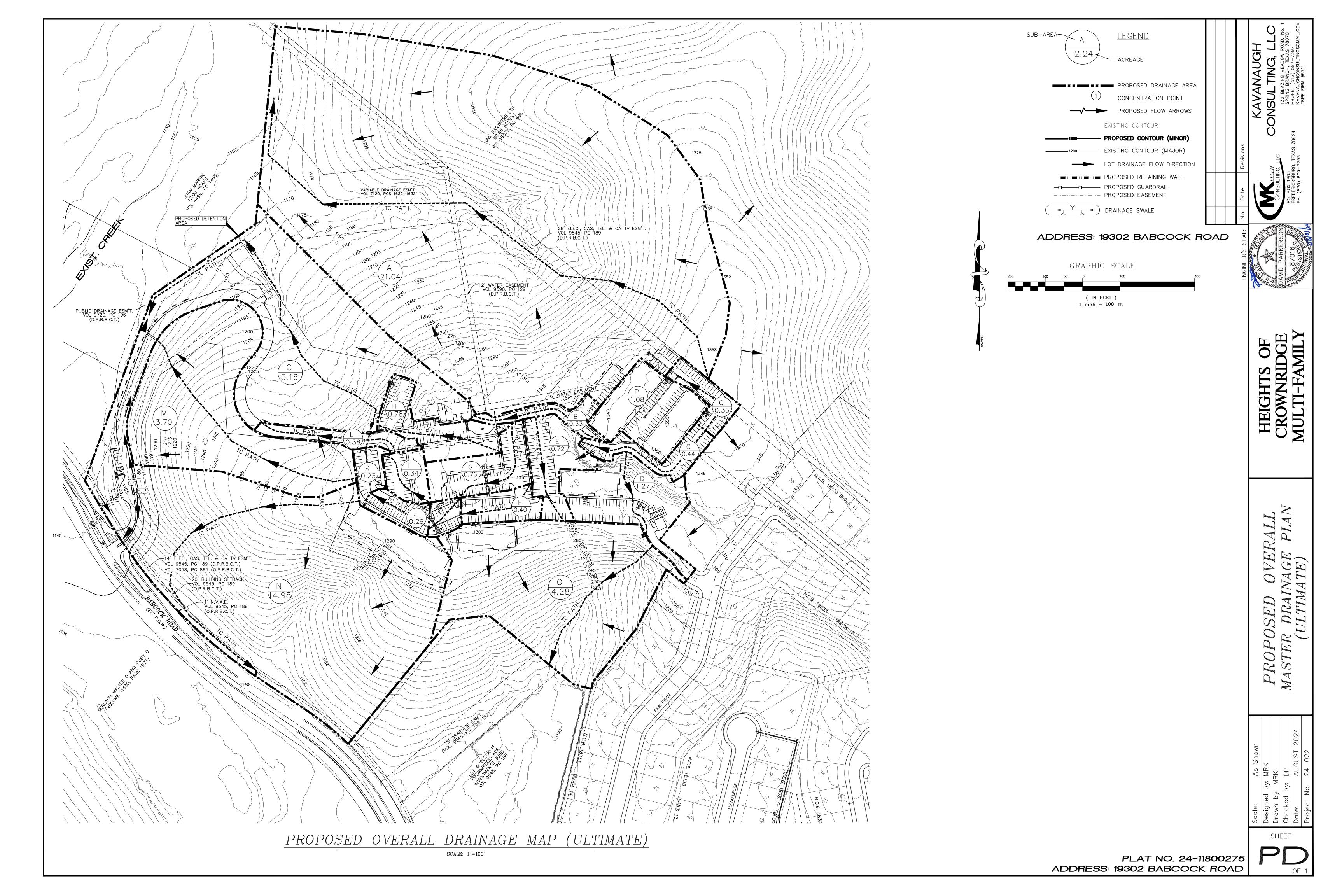
ATTACHMENT K BMP'S FOR ONSITE STORMWATER

PROJECT NAME: Heights of Crownridge 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: <u>San Antonio, TX 78255</u>

Permanent BMP's will not be required for this site due to the maximum impervious cover at less than 20%. Site stabilization, re-vegetation, and natural drainage ways will aid with water quality for drainage onsite.



FLOW CALCULATION TABLE - ULTIMATE (PROPOSED) HEIGHTS OF CROWNRIDGE UNIT 2 - RESIDENTIAL 6/1/2024

DRAINAGE	AREA	% IMPERVIOUS	Imperv. Cover	Weight	Тс	l 5yr	l 25yr	l 100yr	Q 5yr	Q 25yr	Q 100yr
AREA	(acres)		(acres)	С	(min)				(cfs)	(cfs)	(cfs)
Α	12.78	6%	0.80	0.52	10.4	6.30	8.30	11.00	41.8	55.1	73.0
В	0.33	91%	0.30	0.92	6.0	7.80	10.30	11.60	2.4	3.1	3.5
С	5.16	20%	1.05	0.59	7.5	7.20	9.50	12.10	21.8	28.7	36.6
D	1.27	39%	0.50	0.68	5.3	8.30	11.00	13.40	7.1	9.4	11.5
E	0.72	49%	0.35	0.72	5.6	8.30	11.00	13.40	4.3	5.7	6.9
F	0.40	90%	0.36	0.91	5.3	8.30	11.00	13.40	3.0	4.0	4.9
G	0.76	95%	0.72	0.94	5.3	8.30	11.00	13.40	5.9	7.8	9.5
Н	0.78	97%	0.76	0.95	5.6	8.30	11.00	13.40	6.1	8.1	9.9
1	0.34	97%	0.33	0.95	5.3	8.30	11.00	13.40	2.7	3.5	4.3
J	0.29	93%	0.27	0.93	5.3	8.30	11.00	13.40	2.2	3.0	3.6
K	0.23	87%	0.20	0.90	5.1	8.30	11.00	13.40	1.7	2.3	2.8
L	0.38	95%	0.36	0.94	6.0	7.80	10.30	11.60	2.8	3.7	4.1
M	3.70	5%	0.20	0.52	6.3	7.70	10.20	11.50	14.7	19.5	21.9
N	14.98	8%	1.20	0.53	6.2	7.70	10.20	11.50	60.9	80.6	90.9
0	4.28	16%	0.70	0.57	7.8	7.10	9.40	11.50	17.2	22.8	27.9

NOTE:

TCI Storm Water Design Criteria Manual (2016) was utilized for Intensities in the Rational Method for these calculations as required by the City of San Antonio.

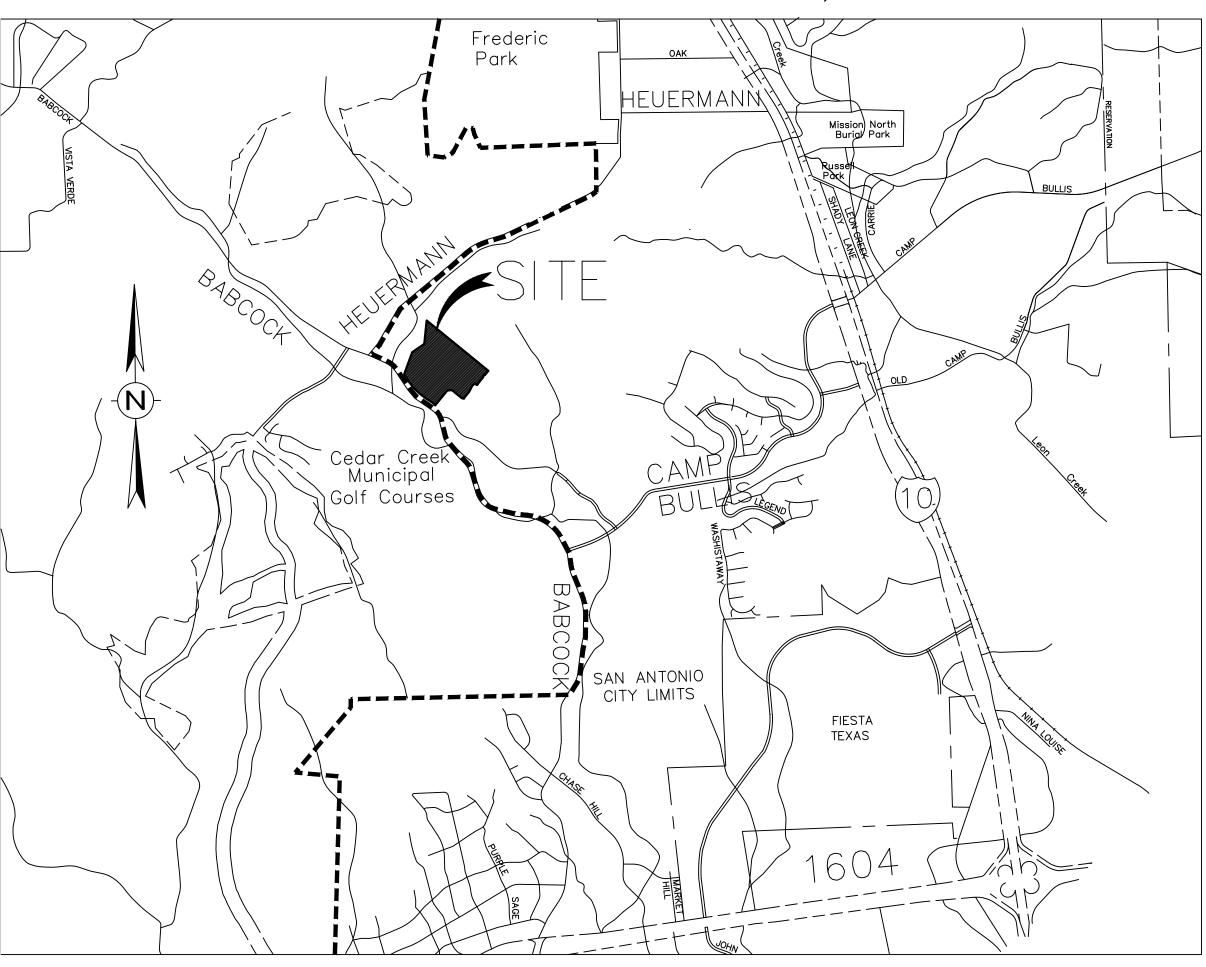
TIME OF CONCENTRATION - ULTIMATE (PROPOSED) HEIGHTS OF CROWNRIDGE UNIT 2 - RESIDENTIAL 6/1/2024

		OVERLAND FLO	N	SHALLOW CONCEN	TRATED FLOW	STREET FLOW	V / SWALE FLOW	
DRAINAGE AREA	SLOPE (FT/FT)	L (FT)	Mannings n	SLOPE (FT/FT)	L (FT)	SLOPE (FT/FT)	L (FT)	Total Tc (MIN.)
Α	0.030	100	0.01	0.030	450	0.140	1100	10.4
B	0.100	100	0.01	0.100	50	0.100	250	6.0
C	0.060	100	0.01	0.060	400	0.100	320	7.5
D	0.500	100	0.04	0.500	100	0.100	40	5.3
E	0.400	100	0.04	0.400	80	0.100	150	5.6
F_	0.050	100	0.01	0.050	30	0.100	60	5.3
G	0.070	100	0.01	0.070	40	0.100	50	5.3
Н	0.100	100	0.01	0.100	20	0.100	160	5.6
I	0.020	100	0.01	0.020	30	0.100	40	5.3
J	0.040	100	0.01	0.040	20	0.100	60	5.3
K	0.050	100	0.01	0.050	20	0.100	10	5.1
L	0.120	100	0.01	0.120	20	0.100	280	6.0
M	0.080	100	0.04	0.300	350	0.100	230	6.3
N	0.080	100	0.04	0.400	400	0.100	180	6.2
0	0.080	100	0.04	0.400	350	0.100	650	7.8
Tt, Overland Flow				Tsc, Shallow Concentrated			Tch, Channel Flow	
T =	0.007(nL)^0.8			T =	Lsc		T =	Lch
	(P2)^0.5*S^0.4	•			3600*K*(Ssc)^0.5	_		3600*1.49/n*R^(2/3)*Sch^(1/2)
	P2 = 3.96			K (Unpaved) = K (Paved) =	16.13 20.32			

Condition	Manning's "n"
Smooth Surface	0.011
Fallow No Residue	0.05
Cultivated ResidueLT20%	0.06
Cultivated ResidueGT20%	0.17
Grass-Short	0.15
Grass-Dense	0.24
Grass-Bermuda	0.41
Range (Natural)	0.13
Woods-Light	0.4
Woods-Dense	0.8

CONSTRUCTION PLANS FOR HEIGHTS OF CROWNRIDGE

ADDRESS: 19302 BABCOCK ROAD SAN ANTONIO, TX 78256



SHEET INDEX

TITLE / DESCRIPTION COVER SHEET SITE PLAN SITE PLAN STORMWATER POLLUTION PREVENTION PLAN STORMWATER POLLUTION PREVENTION PLAN GRADING PLAN GRADING PLAN RETAINING WALL PLAN RETAINING WALL PLAN DRAINAGE AND PAVING DETAILS PRIVATE STORM DRAIN PLAN 11 12 MF-ENTRY INTERSECTION IMPROVEMENTS STORM DRAIN DETAILS 13 14 PROPOSED DETENTION POND DETAILS

VICINITY MAP N.T.S.

<u>SUBMITTAL DATE:</u> AUGUST 16, 2024

LEGAL DESCRIPTION

BEING A 16.991 ACRE TRACT OF LAND, ESTABLISHING LOT 1, BLOCK 11, NCB 18333, SITUATED IN THE CITY OF SAN ANTONIO, BEXAR COUNTY, TEXAS, BEING A PORTION OF THE REMAINDER OF LOT 2, BLOCK 11, NCB 18333 AS CONVEYED IN THE QUITCLAIM DEED OF RECORD IN DOCUMENT #20220014259 OFFICIAL PUBLIC RECORDS OF BEXAR COUNTY, TEXAS.

THESE PLANS GOVERN THE CONSTRUCTION OF ALL IMPROVEMENTS ON THIS SITE RATHER THAN ANY DIGITAL FORMAT FILES. THE DETAILS AND SPECIFICATIONS HEREIN ARE TO BE FOLLOWED FOR THE CONSTRUCTION OF ALL IMPROVEMENTS TO THIS SITE.

PROJECT DIRECTORY

Landscape

M.E.P. Engineer

Structural

Civil Engineer

KAVANAUGH CONSULTING, LLC DAVID PARKERSON, P.E. 132 BLAZING MEADOW ROAD, No. 1 SPRING BRANCH, TEXAS 78070 PHONE: (512) 587-7397 KAVANAUGHCONSULTING@GMAIL.COM

Architect & Land Planner

CROSS ARCHITECTS, PLLC 879 JUNCTION DRIVE ALLEN, TEXAS 75013 PHONE: (972) 398-6644 WWW.CROSSARCHITECTS.COM

Developer

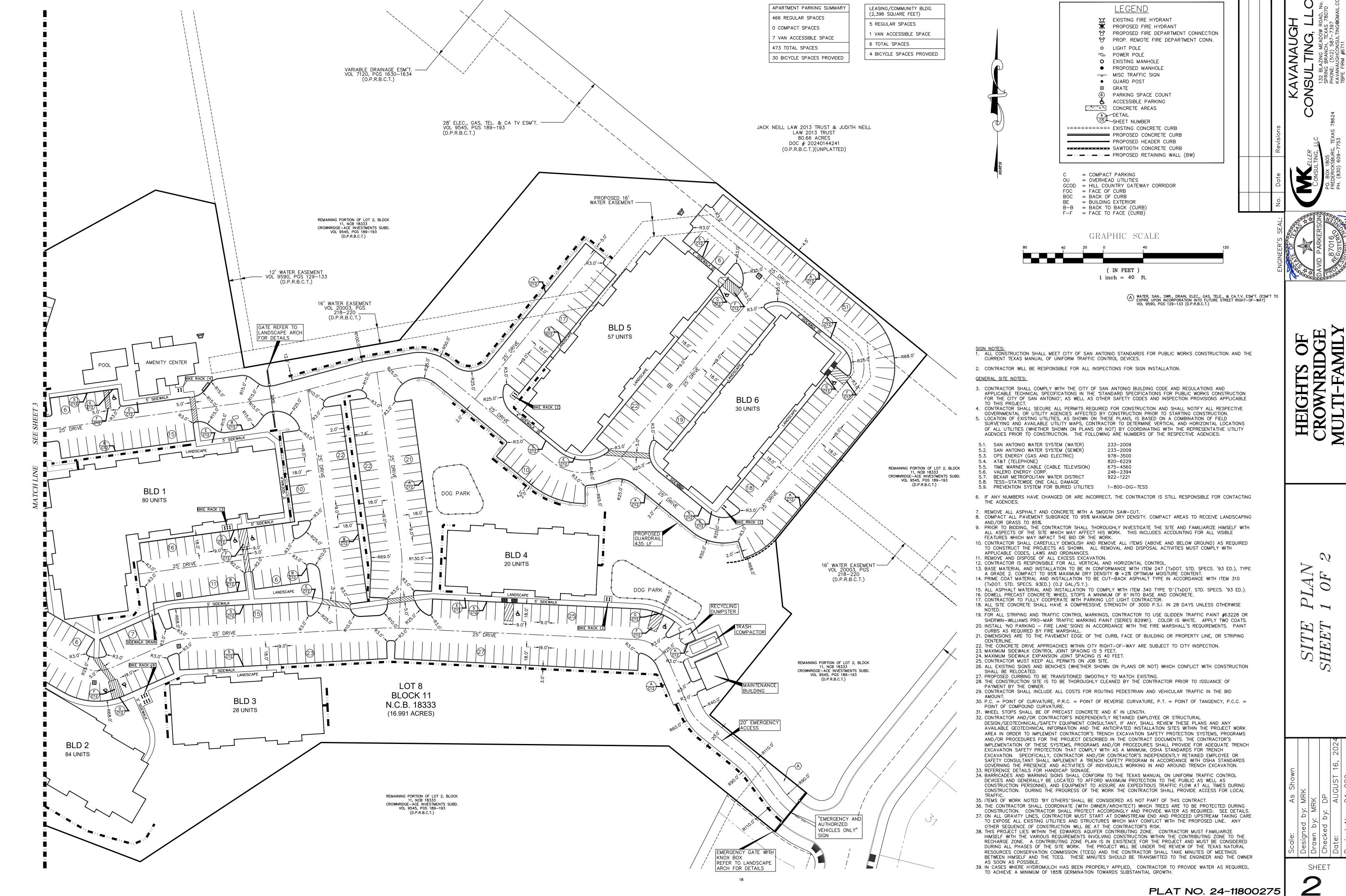
STEPHEN L. SALLMAN WARNER LAND ADVISORS, LP 4040 N. CENTRAL EXPRESSWAY DALLAS, TEXAS 75204

GEOTECHNICAL

SHEET

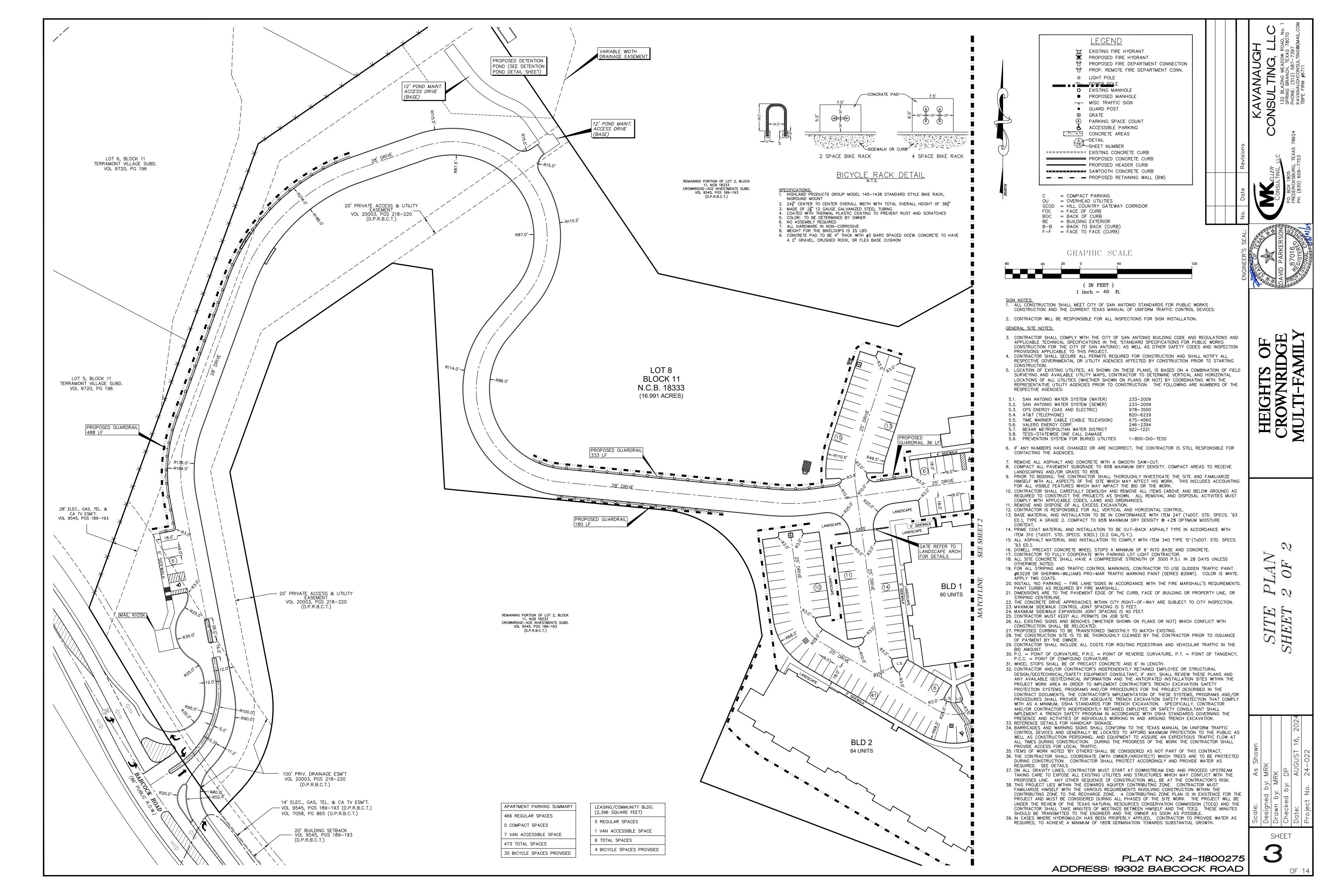
PLAT NO. 24-11800275 ADDRESS: 19302 BABCOCK ROAD

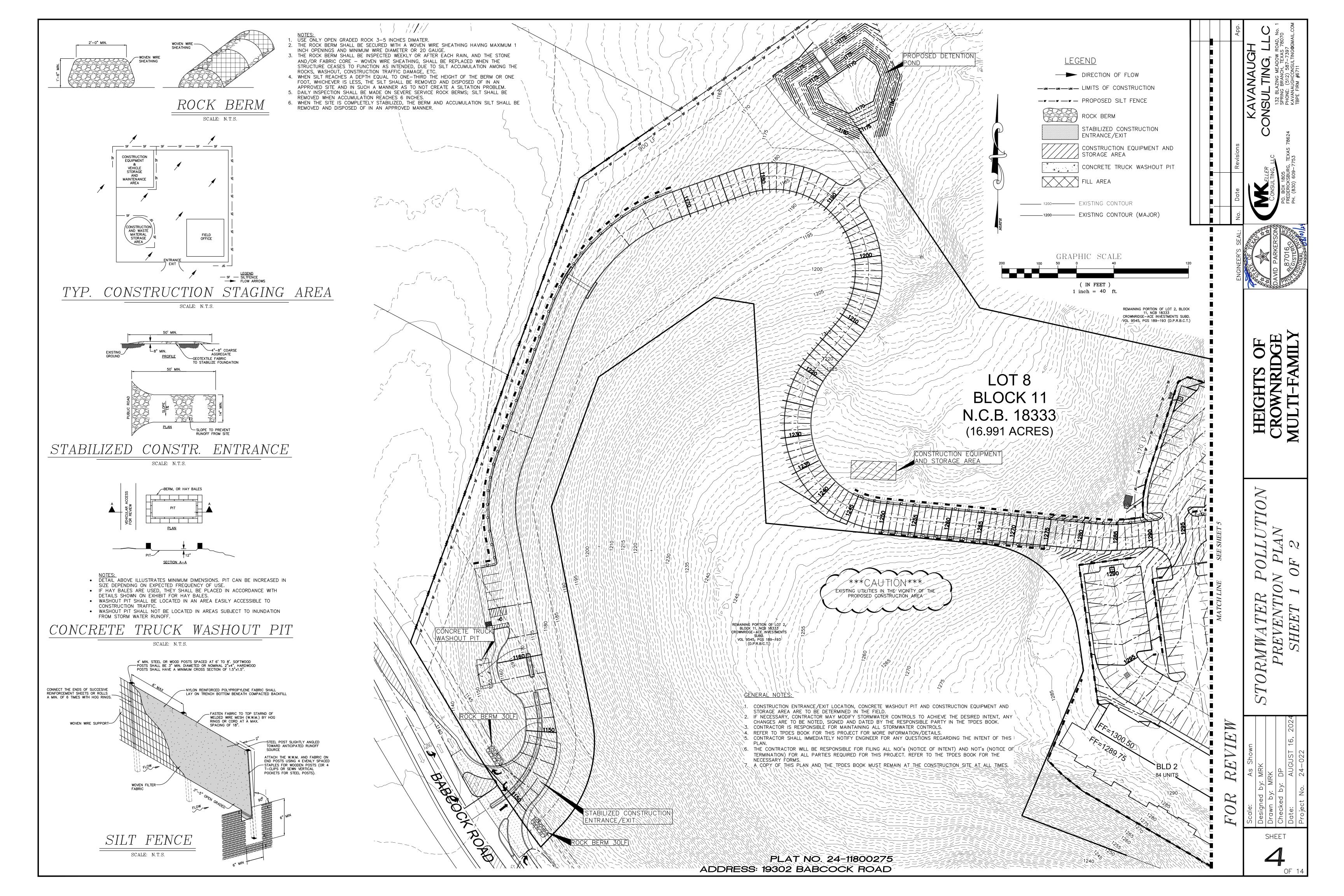
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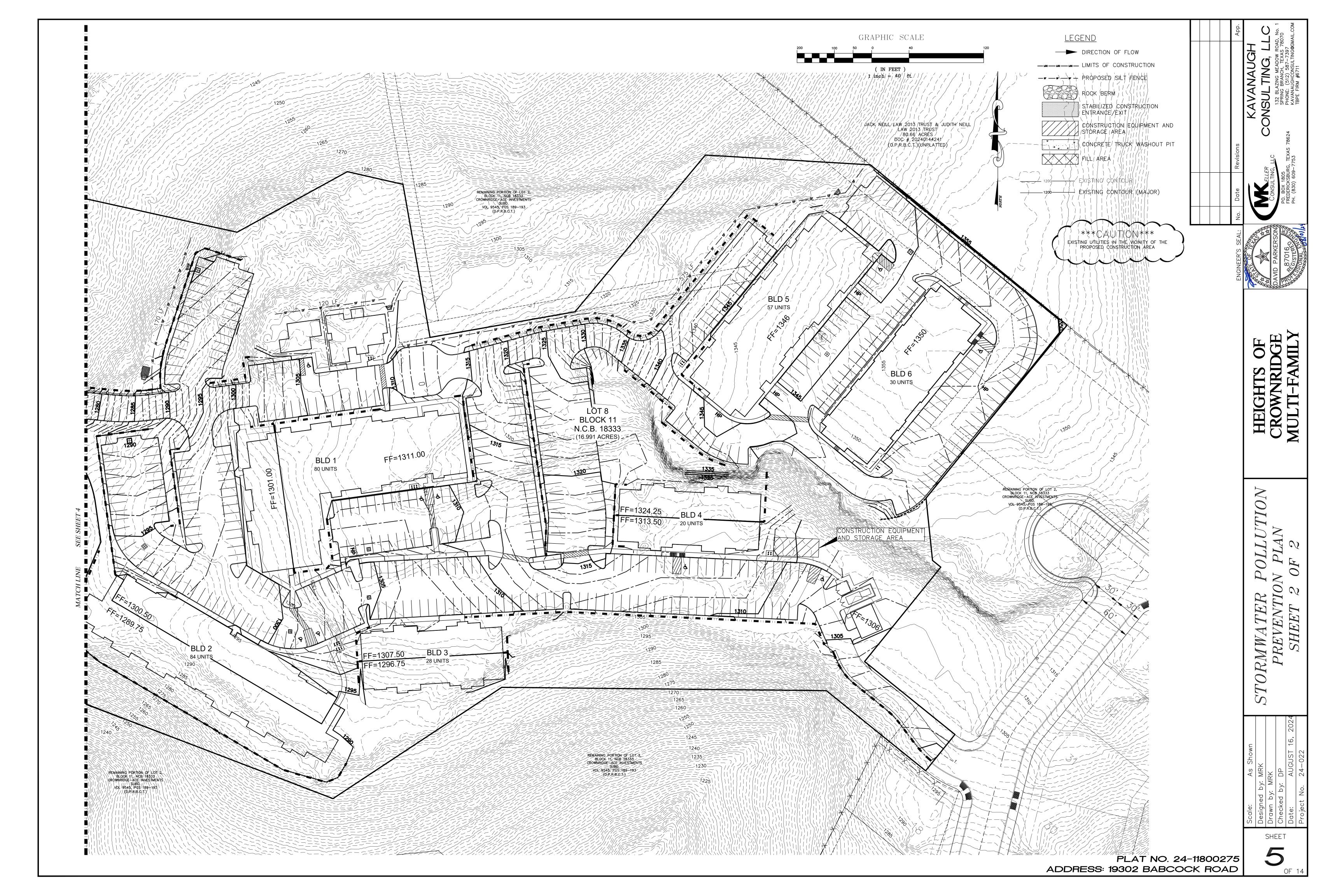


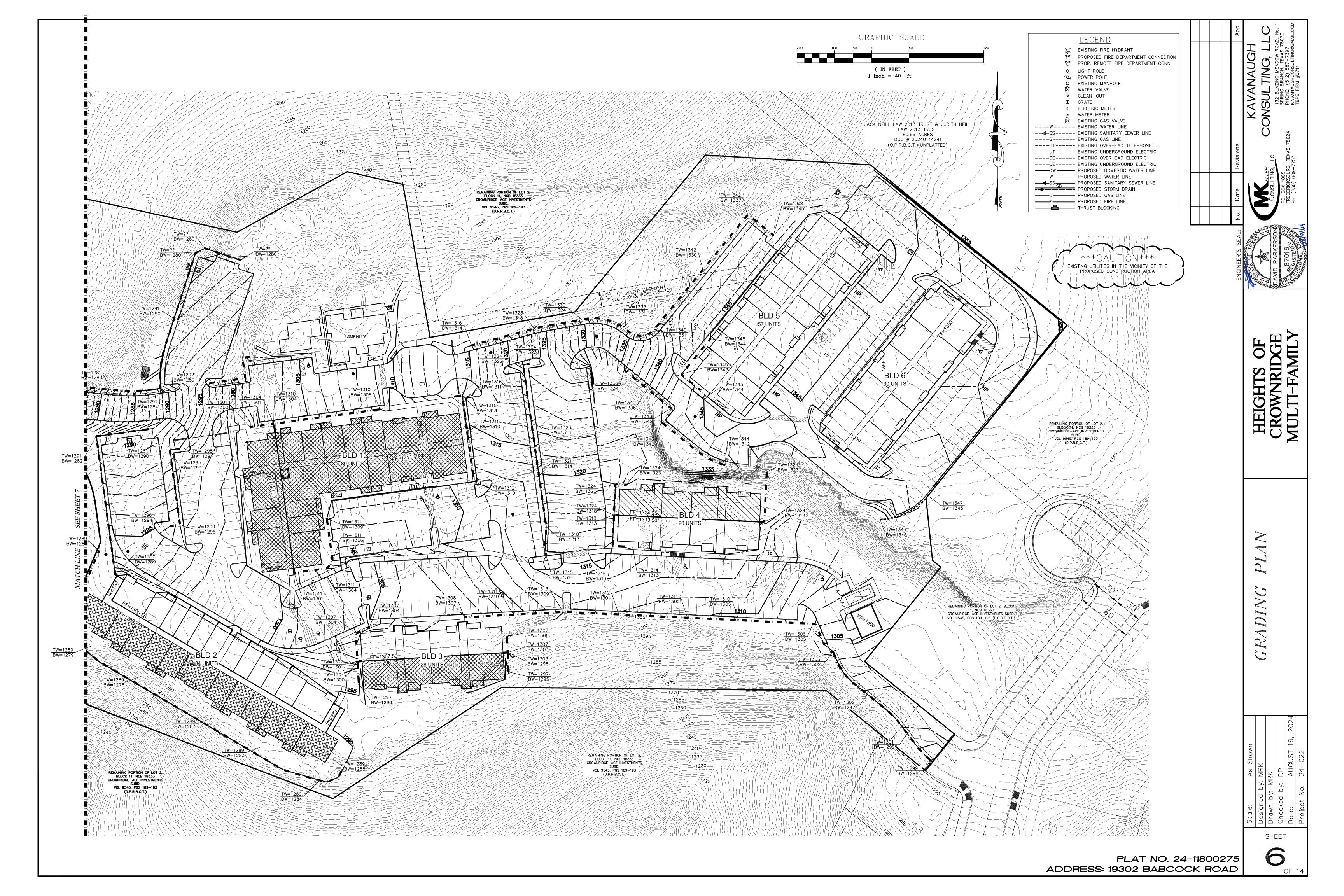
ADDRESS: 19302 BABCOCK ROAD

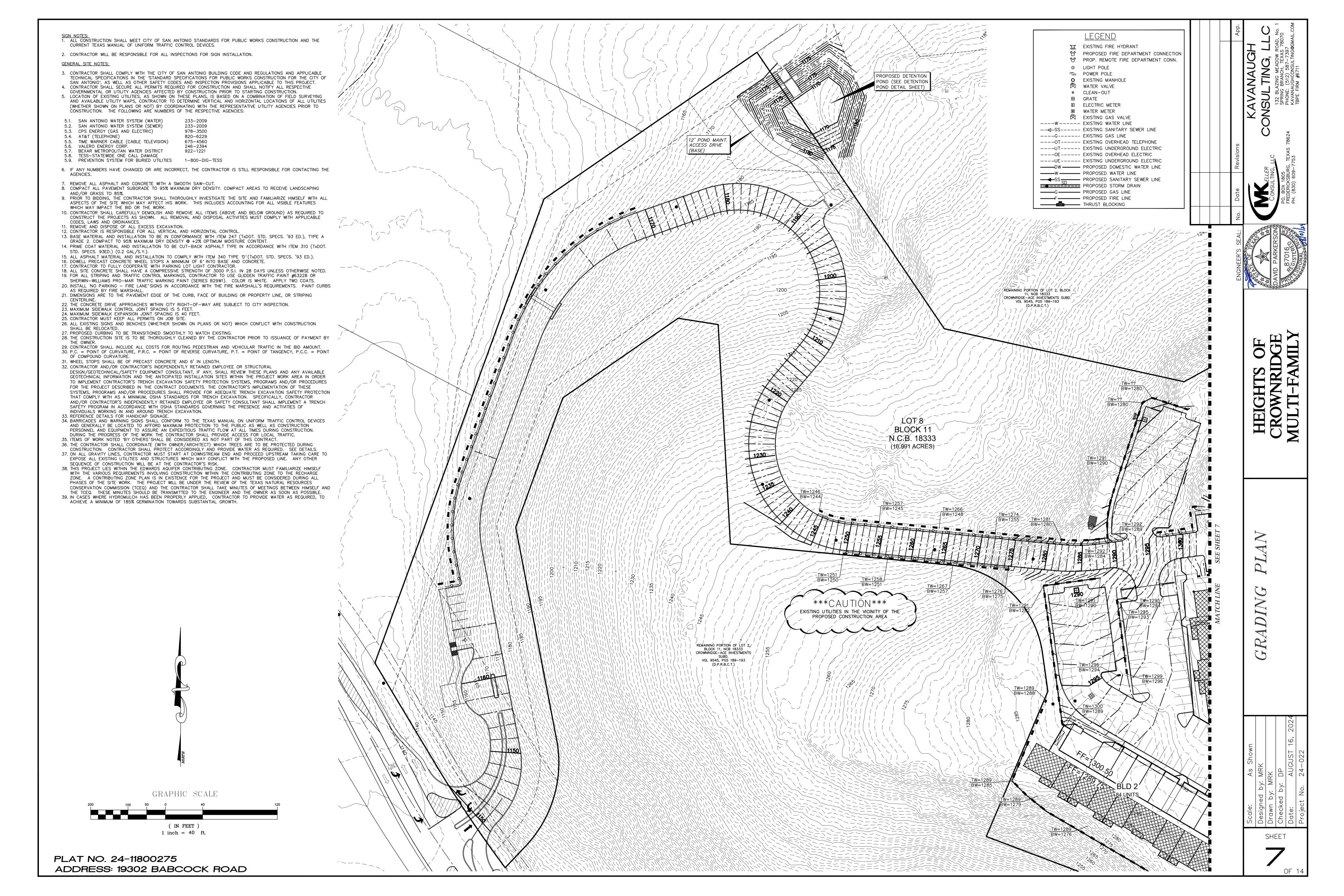
OF 14

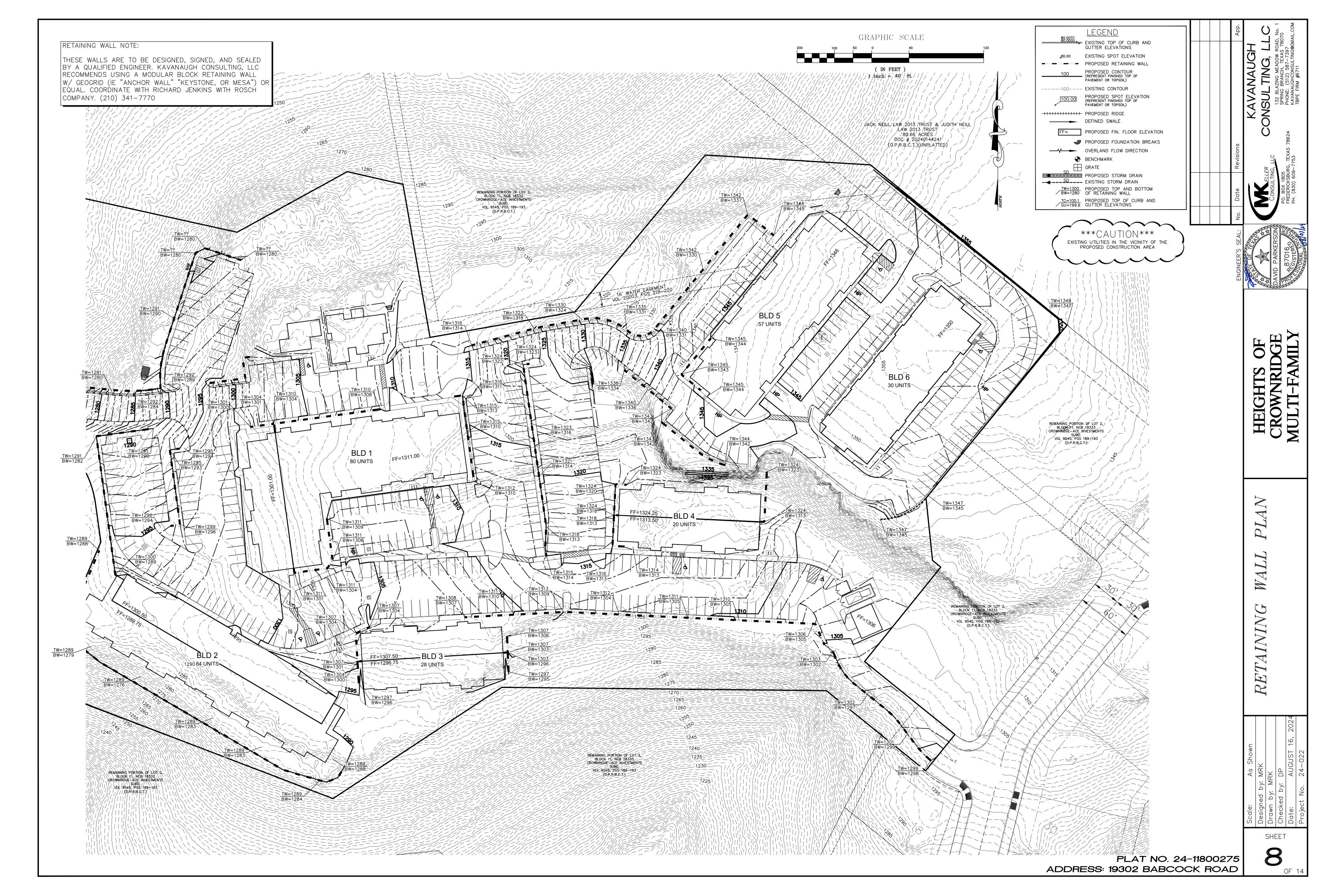


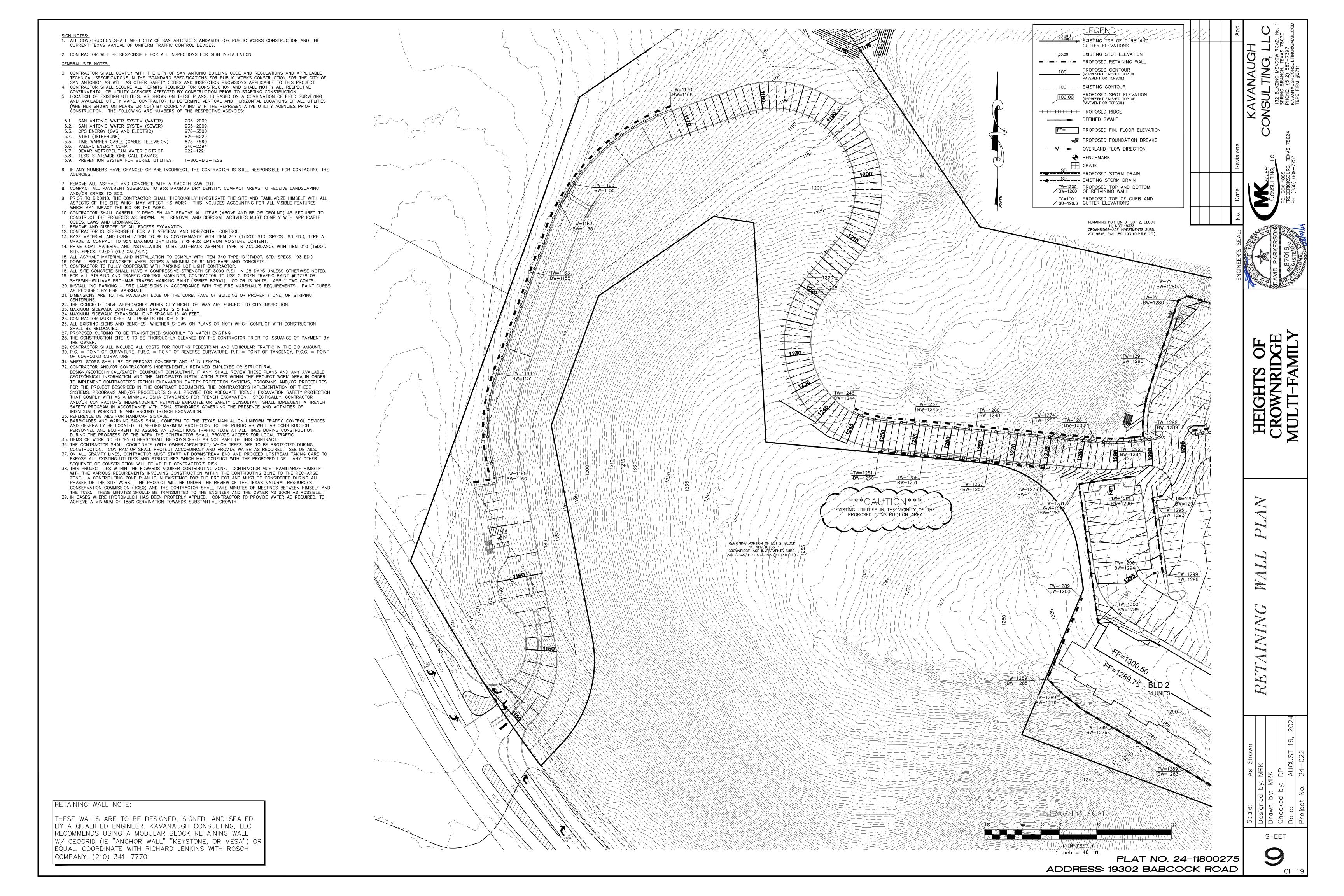


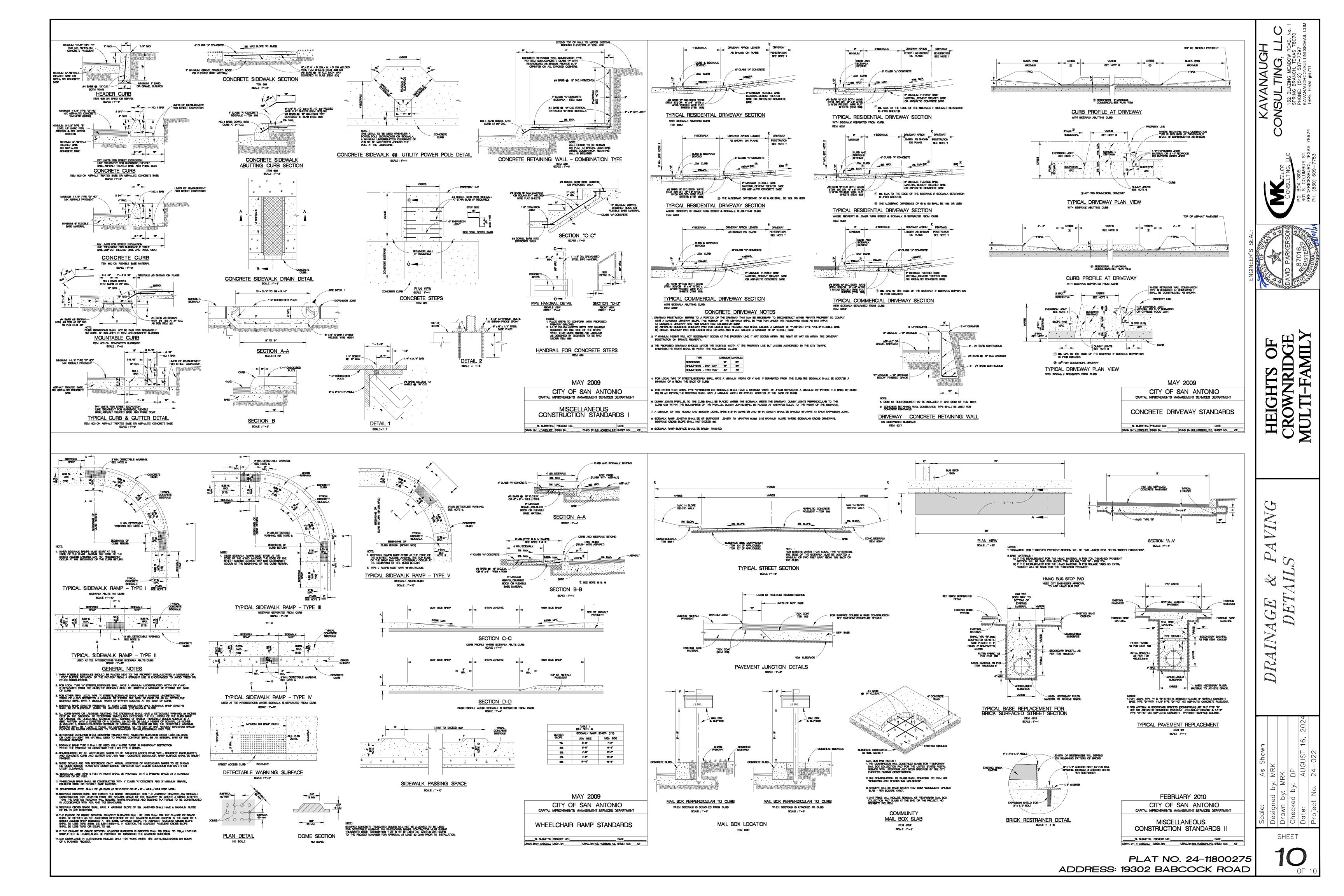


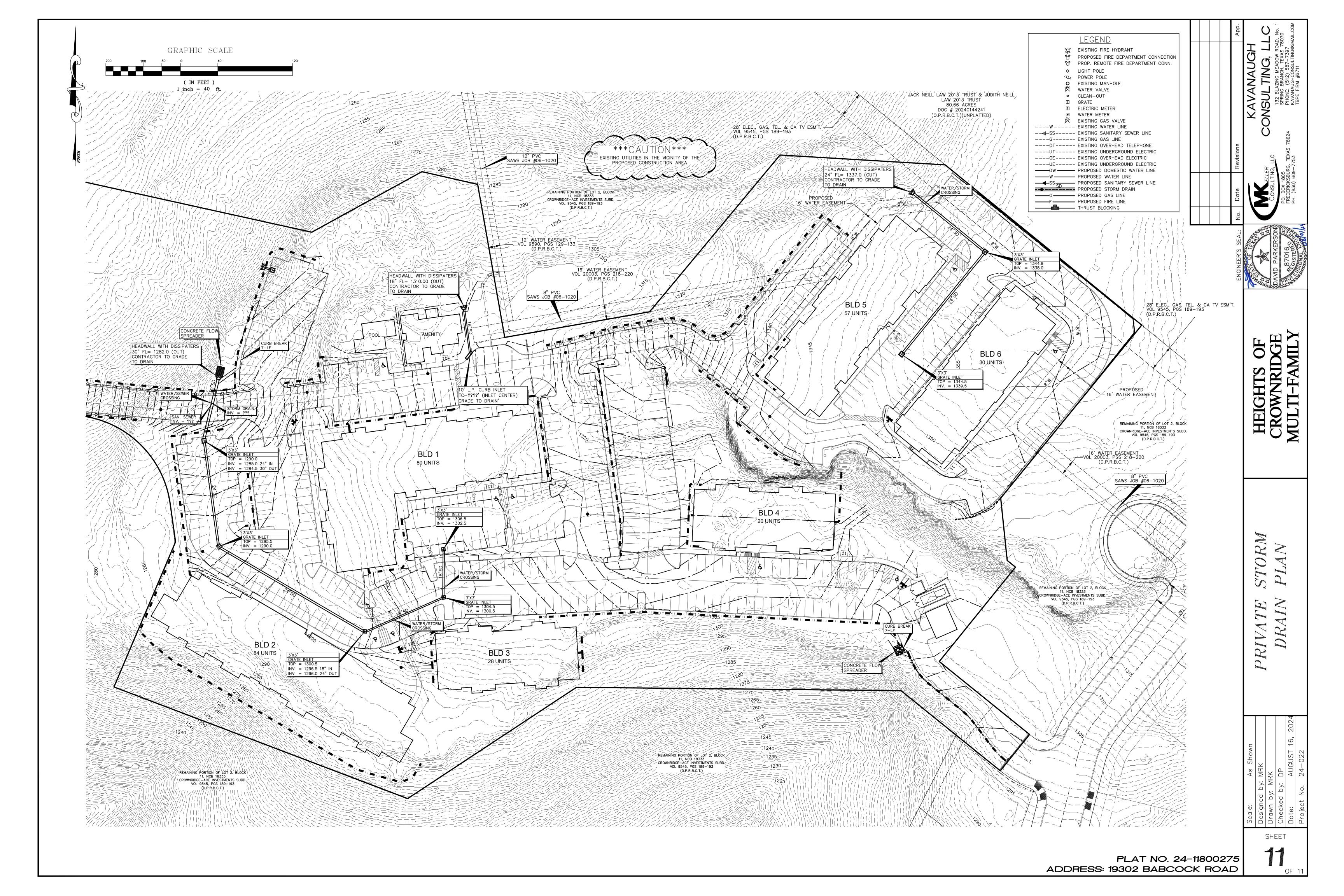


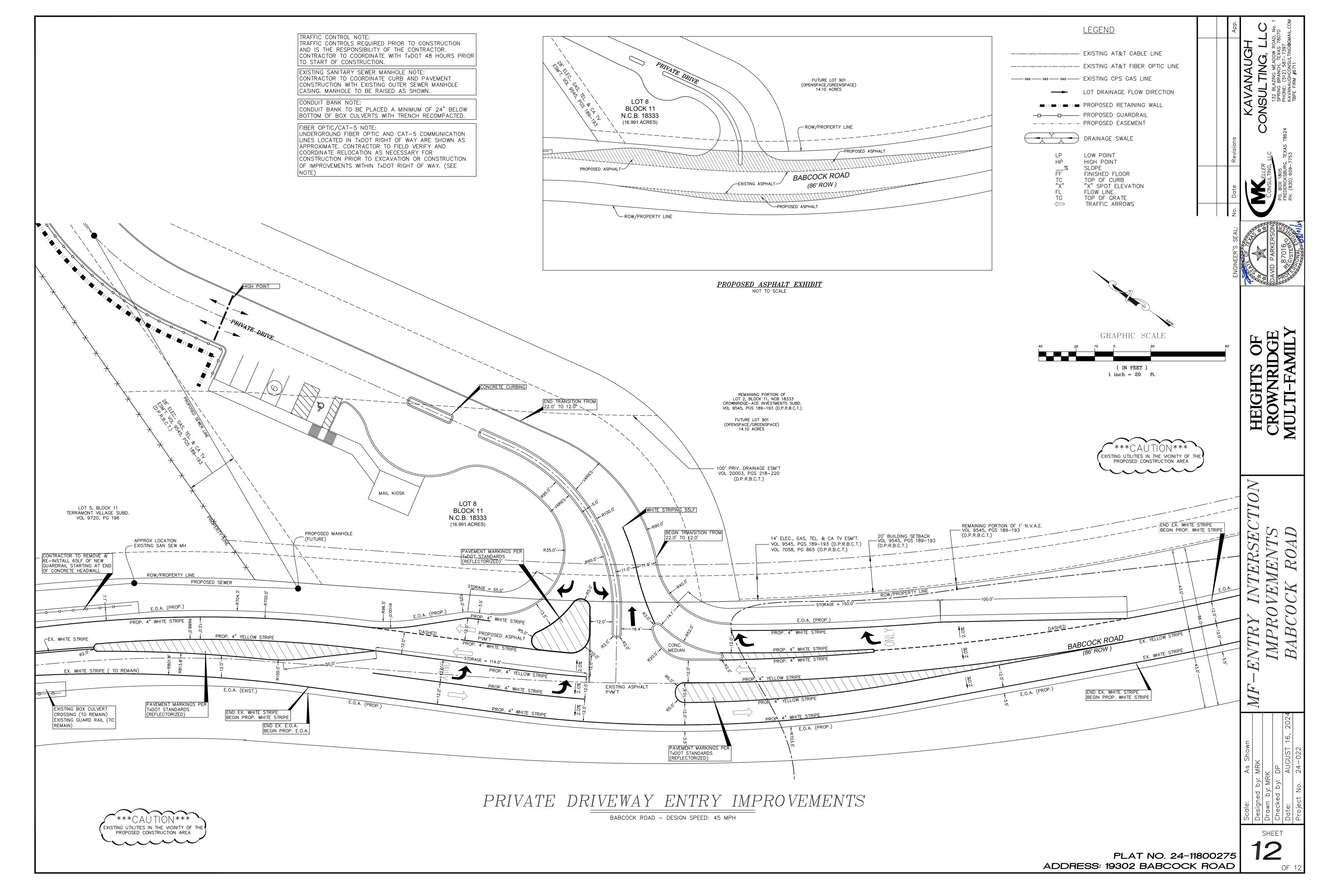


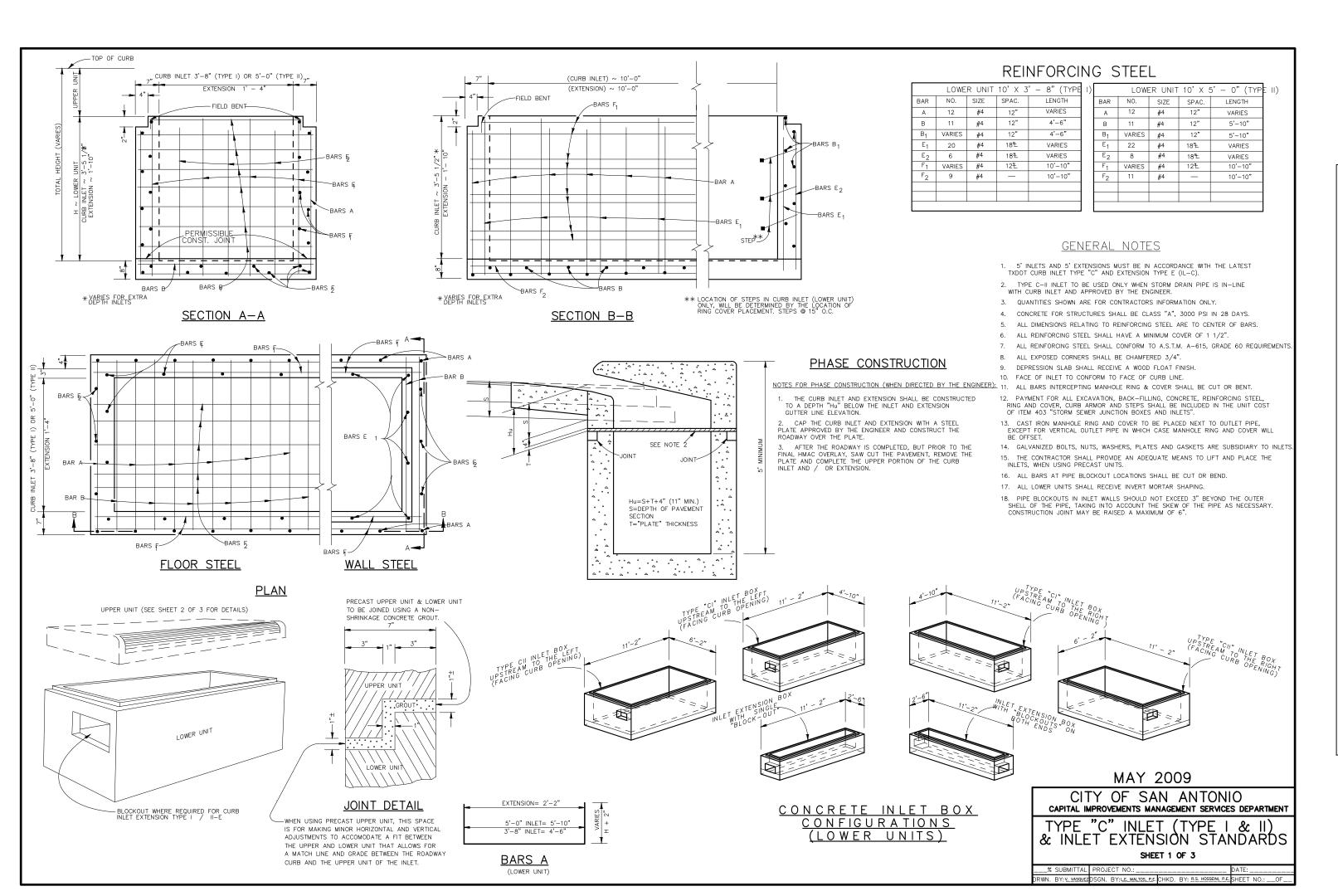




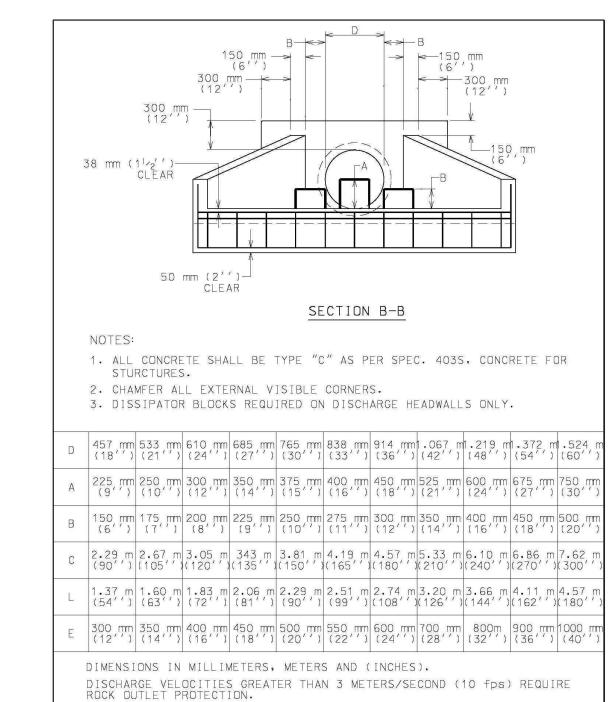








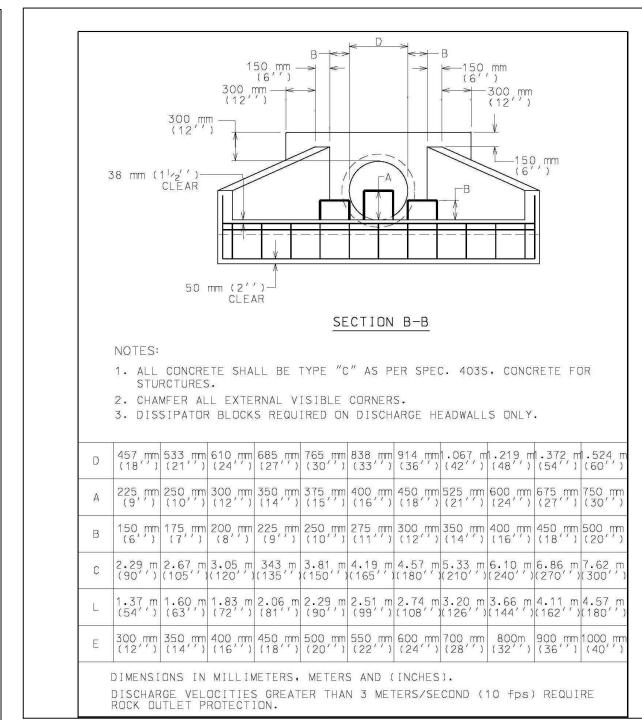
TYPE "C" INLET CAN EITHER BE PRE—CAST OR CAST IN PLACE TYPE INLETS.
CAST IN PLACE INLET LIDS WILL BE DOWELED INTO PRE—CAST VAULTS.

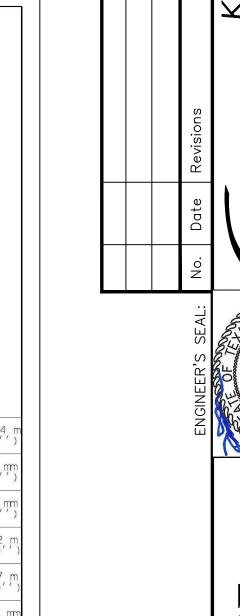


BAFFLE BLOCK DETAIL

(Culvert and Culvert Toewall reinforcing not shown for clarity.)

SCALE: N.T.S.







TORM DRAIN DETAILS



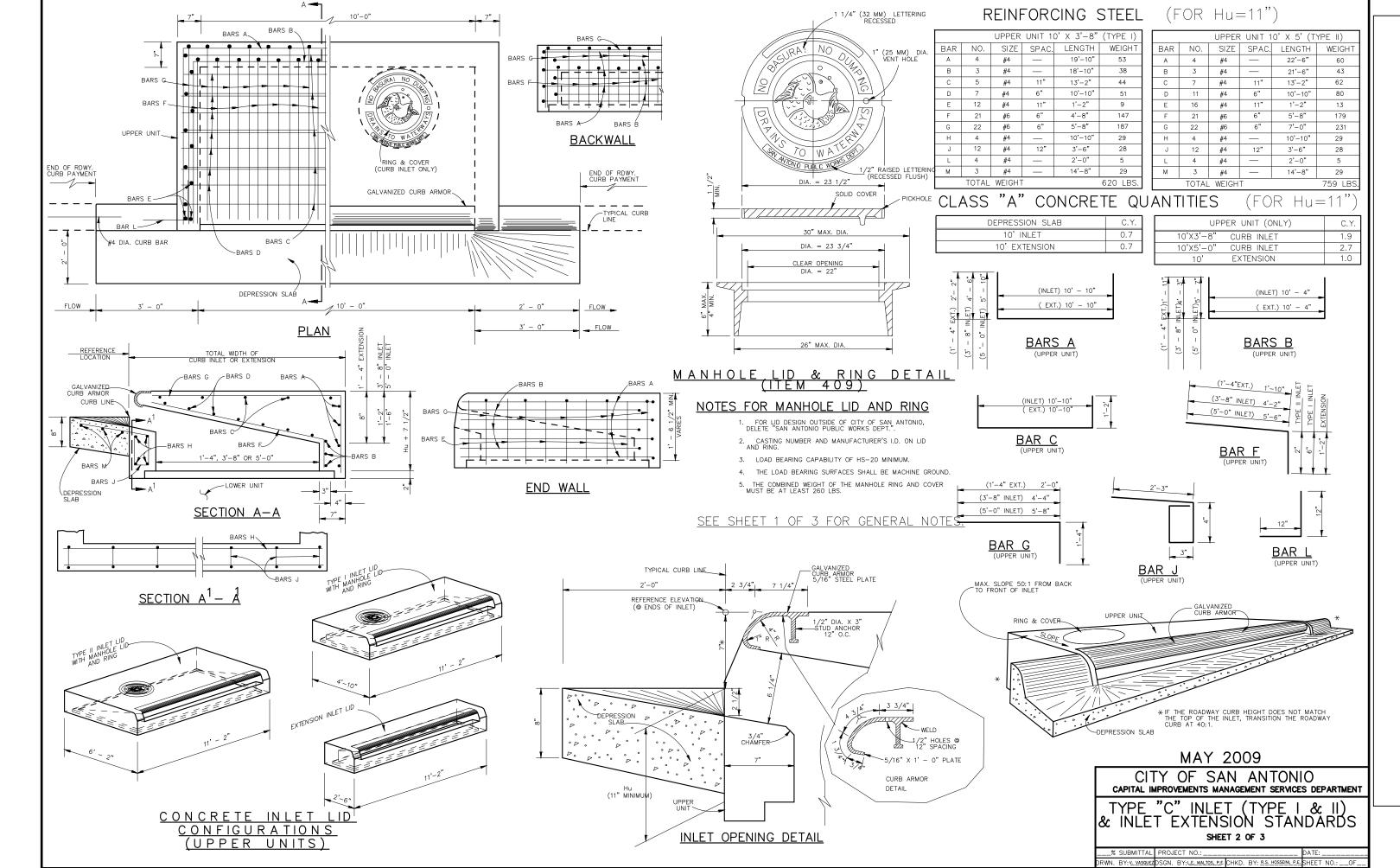
TABLE OF DIMENSIONS & REINFORCING STEEL WING DIMENSION CALCULATIONS: (Wings for One Structure End) Extend Bars P 3'-0" minimum into bottom slab of Box Culvert. Formulas: (All values are in Feet) Dimensions HW = H + T + C - 0.250'2) Adjust to fit as necessary to maintain 1 $\frac{1}{4}$ " clear cover and 4" minimum between bars. A = (Hw - 0.333') (SL) 3 Quantities shown are based on an average wing height for two wings (one structure end). To determine total quantities for two wings multiply the tabulated values by Lw. B = (A) Tangent (30°) Lw = (A) + Cosine (30°) For Cast-in-place culverts: Ltw = (N) (S) + (N+1) (U) Recommended values of Slope are: 2:1, 3:1, 4:1, & 6:1. 4) Recommended values of Slope are: 2:1, 3:1, 4:1, % 6:1.

When shown elsewhere on the plans, a 5" deep concrete riprap shall be constructed. Payment for riprap shall be constructed. Payment for riprap shall be as required by Item 432, "Riprap". Unless otherwise shown on the plans or directed by the Engineer, the riprap shall have a 6" wide by 1'-6" deep reinforced concrete toewall along all edges adjacent to natural ground; the toewall shall be reinforced by extending typical riprap reinforcing into the toewall; construction joints or grooved joints, oriented in the direction of flow, shall extend across the full distance of the riprap, at intervals of approximately 20'. When such riprap is provided, the culvert toewall shown in SECTION B-B will not be required. L+w = (N) (2U+S) + (N-1) (0.500')Total Wingwall Area (Two Wings ~ S.F.)=(Hw + 0.333') (Lw) TABLE OF ESTIMATED CULVERT TOEWALL QUANTITIES = Height of Wingwall 1 = Side Slope Ratio (Horizontal:1 Vertical) = Length of Wingwall = Culvert Toewall Length = Number of Culvert Spans See applicable box culvert standard for H, S, T, 6 At Contractor's option, Culvert Toewall may be ended flush with Wingwall Toewall. Adjust reinforcing from that shown as necessary. (7) 0" min to 5'-0" max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail, bicycle rail or curbs taller than 1'-0", refer to ECD standard. For structures with T6 bridge rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard. (8) For vehicle safety, curb heights and wall heights shall be reduced, if necessary, to provide a maximum 3" projection above finished grade. No changes will be made in quantities and no additional compensation will be allowed for this work. Uii BARS R S perpendicular to Rdwy (4) GENERAL NOTES: Designed according to AASHTO LRFD Specifications. All reinforcing steel shall be Grade 60.
All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.
All reinforcing bars shall be adjusted to provide a minimum of 1 1/4" clear cover.
When structure is founded on solid rock, depth of toewalls for culverts and wingwalls may be reduced or eliminated as directed by the Engineer.
See BCS sheet for additional dimensions and information. Y + 4" F E P M INSIDE ELEVATION Information.

The quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for Contractor's information only. PLAN X = 8" - Y = BARS L BARS J2 Slab Reinforcing Texas Department of Transportation 7 + 1 - 4 . . . CONCRETE WINGWALLS WITH FLARED WINGS FOR O* SKEW BOX CULVERTS F or G Const Jt FOOTING AND TOEWALL WINGWALL FW-O Culvert Toewall 6" Wingwall Toewall 6' LE: fw-Ostde, dgn DN: GAF CK: CAT DN: TXDOT CK: (

TXDOT February 2010 DISTRICT FEDERAL ALD PROJECT SH

REVISIONS CORNER DETAILS SECTION A-A SECTION B-B 5

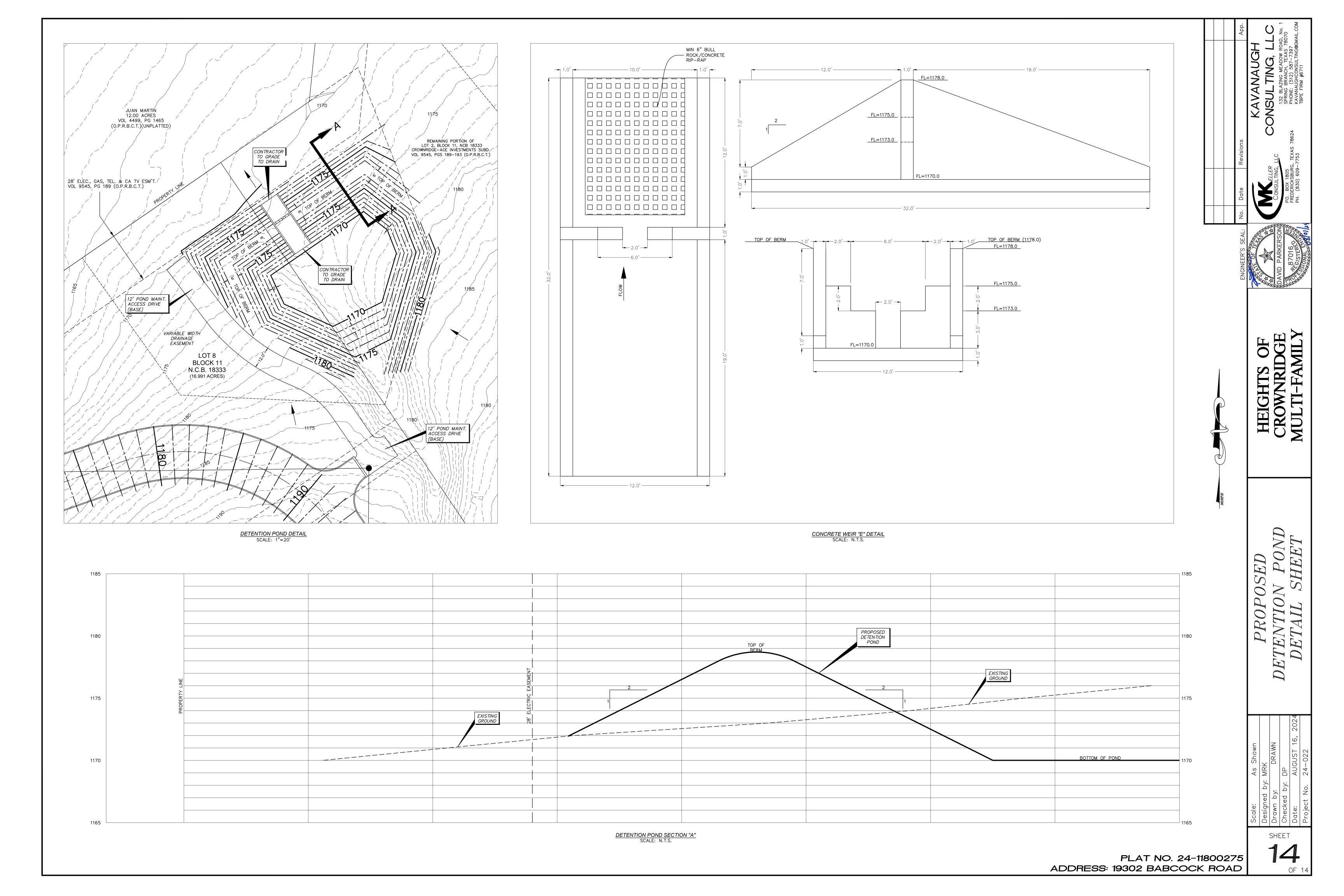


PLAT NO. 24-11800275 ADDRESS: 19302 BABCOCK ROAD

COUNTY CONTROL SECT JOB HIGH

SHEET

13
OF



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: Kavanaugh Consulting, LLC

Date: <u>07/14/24</u>

Signature of Customer/Agent:

Regulated Entity Name: Warner Land Advisors, LP

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.
	igotimes 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.
Se	equence 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.
5.	Name the receiving water(s) at or near the site which will be disturbed or which will

Temporary Best Management Practices (TBMPs)

receive discharges from disturbed areas of the project: <u>Leon Creek</u>

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.
\boxtimes	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

PROJECT NAME: Heights of Crownridge 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

Spill prevention and control measures taken to minimize exposure of materials to stormwater are the following:

- 1. Paints, solvents, fuel (small containers), and any other stored chemical substance (small containers) will be kept covered or within an enclosure to protect the containers and the floor of the enclosure from wind, precipitation, and runoff. Runoff containing such materials will be collected, removed from the site and disposed of in accordance with the federal, state, and local regulations.
- 2. All chemicals will be used as described by manufacturers' instructions. Excess chemicals will be removed from the site and disposed of properly, recycled, or used elsewhere.
- 3. In the event of a spill of hazardous, toxic, or radiological waste (HTRW), the operator will cease work, contain the spill, and notify the designated personnel.
- 4. Spill response materials will be located in the spill response kit in an appropriate location on site to be determined by the Operator.
- 5. Spill response materials will be located on the earth-moving equipment on site.

Spills of toxic or hazardous material will be reported to the State of Texas Spill-Reporting Hotline and the State Emergency Response Commission (SERC) at 1-800-832-8224. In the event of a release of a chemical in an amount that exceeds the Reportable Quantity (RQ), the National Response Center will also be contacted immediately at (800) 424-8802.

A.) Fueling and Maintenance of Equipment or Vehicles

A contractor will be used to fuel vehicles onsite as needed. Secondary containment (drip pans) will be utilized to contain spills or leaks. Absorbent pads will also be used onsite and kept in the spill kit. The vehicle operator will be responsible for any cleanup. Spills and leaks will be properly cleaned.

B.) Storage, Handling, and Disposal of Construction Products, Materials, and Wastes

Exposure of construction products and materials will be minimized during construction. Materials will be stored in a specified material storage area away from any stormwater flow. All materials shall be collected in proper receptacles and disposed of properly. Disposal of materials will be taken away by a contractor or the operator offsite. At the end of the work day all waste containers will be covered. This cover will either be a lid, tarp, plastic sheeting or a temporary cover.

C.) <u>Washing of Applicators and Containers used for Paint, Concrete, or Other Materials</u>

Exposure of construction products and materials will be minimized during construction. Materials will be stored in a specified material storage area away from any stormwater flow. All materials shall be collected in proper receptacles and disposed of properly. Disposal of materials will be taken away by a contractor or the operator offsite.

During commercial development, construction material will be stored behind a BMP and trash/extra will be hauled off weekly.

ATTACHMENT B FACTORS AFFECTING SURFACE WATER QUALITY

Heights of Crownridge 2 Residential PROJECT NAME:

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

FACTORS:

The factors affecting water quality for this project are the following:

- Soil Disturbance from clearing and grading and general construction activity.
 Potential fuel leaks from construction machinery and equipment
 Concrete washout pit activity

There are no industrial discharges associated with this construction.

ATTACHMENT C SEQUENCE OF MAJOR ACTIVITIES

PROJECT NAME: Heights of Crownridge Unit 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

- Installation of temporary entrance / exit stabilized
 Installation of erosion and sedimentation controls
- 3.) Limited clearing of vegetation
- 4.) Grading of parking and building pads5.) Construction of retaining walls
- 6.) Construction of underground water and sewer lines
- 7.) Construction of overhead and underground electric lines
 8.) Construction of Detention Pond
- 9.) Preparation of base for drive aisles and parking
- 10.) Building Construction
- 11.) Paving of base for drive aisles and parking 12.) Stabilization of site.
- 13.) Removal of temporary erosion and sedimentation controls

Attachment D Temporary BMPs

Non-structural BMPs include practices such as education, spill prevention planning, street sweeping, material planning/scheduling, hazardous material management, solid and liquid waste management, and dust control to name a few. Non-structural BMPs have typically been considered "Good Housekeeping" practices as they refer to the regular ongoing maintenance of the site. Prohibit discharges from wastewater from washout of concrete trucks unless managed appropriately; wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials; fuels, oils or other pollutants used in vehicle and equipment operation and maintenance; soaps or solvents used in vehicle and equipment washing; as well as toxic or hazardous substances from a spill or other release. Construction specifications and details for debris and trash management and sanitary facilities are provided in Appendix E.

	Best Management	Expected Use?	
	Practice	Yes/No	If Yes, describe where it will be utilized.
1.	Street Sweeping, Vacuuming, or Scraping	Yes	Street sweeping as needed.
2.	Stockpile Management	Yes	Onsite management program on lots as needed.
3.	Material Staging Area	Yes	Construction equipment, non-hazardous building materials such as packing material (wood, plastic, and glass), construction scrap material (brick, wood, steel, metal scraps, and pipe cuttings), and maintenance materials will be stored on site. Large items, such as framing materials and stockpiled lumber, will be stored in the open in the storage area. Such material will be elevated on wood blocks to minimize contact with runoff.
4.	Solid Waste Management	Yes	Onsite management in bins and collected regularly. At the end of the work day all waste containers will be covered. This cover will either be a lid, tarp, plastic sheeting or a temporary cover.
5.	Hazardous Waste Management	Yes	All hazardous waste materials such as oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed containers under cover within a separate hazardous material storage area.
6.	Sanitary Waste Management	Yes	Onsite management of portable toilets.

	Best Management	Expected Use?	
	Practice	Yes/No	If Yes, describe where it will be utilized.
7.	Concrete Residuals & Washout Management	Yes	Onsite management of concrete washouts in designated areas. Ensure wastewater is properly contained and there is no discharge to surface waters.
8.	Vehicle and Equipment Management	Yes	Onsite management.
9.	Dust Control	Yes	Water trucks will spray unvegetated soil as necessary to control dust until land is seeded and vegetated.

- 1. Street Sweeping/Vacuuming/Scraping activities will occur as necessary to ensure street surfaces are clear of soil and debris. Ingress and Egress access points will be inspected often and swept as needed. Street sweeping will occur on all paved streets within the project and adjacent to the project throughout the duration of the project as needed.
- 2. Stockpile Management prevents pollution of stormwater during the import, export, and stockpiling of earth material by: planning operations that will minimize the need for import/export, diverting stormwater around stockpiles, placing piles at least 10 feet away from drainage areas and discharge points placing proper erosion and sediment controls around the pile. Stockpile Management will occur throughout the duration of the project.
- 3. Material Delivery, Storage, and Use Material Safety Data Sheets (MSDS) and associated spill response/clean up materials will be stored onsite. All chemicals need to be in sealed and labeled containers away from exposure to stormwater and ground water throughout the duration of the project.
- 4. Solid Waste Management All solid waste (trash and debris) associated with construction activities shall be collected onsite in proper receptacles and disposed of properly by the waste management provider to an appropriate regulated landfill or recycling facility. No excess waste shall be buried onsite. Contractors shall be responsible for insuring that these solid waste management practices are followed throughout the duration of the project.
- 5. Hazardous Waste Management All hazardous waste shall be disposed of in the manner specified by the manufacturer or federal, state, and local regulations. A separate permit may be required to transport and dispose of hazardous waste. General Practices used to reduce the risk associated with hazardous materials include: keeping products in original containers when applicable, ensuring all chemical containers are labeled and MSDS sheets are retained onsite, and surplus product/waste must be disposed of by the manufacturers' or local and state recommended methods throughout the duration of the project.
- 6. Sanitary Waste Management Portable sanitary facilities shall be provided in convenient areas. A company shall be hired to clean the units, inspect for deficiencies, and maintain the units in good working order regularly or as required by local regulations. Contractors will be responsible for notifying their staff to utilize the sanitary facilities and insure that these practices are followed the duration of the project.
- 7. Concrete Residuals and Washout Management Washout areas will be designated onsite. All excess concrete and concrete washout slurries will be discharged to the washout area for drying. All washout areas shall be located away from any storm drain opening, drainage structure, and water ways associated with the site. Once dried the material will be hauled away by a contractor. No washout material will be buried onsite.

- 8. Vehicle and Equipment Management Vehicles entering the construction site shall be maintained in a manner that prevents leaks and spills of fluids and to prevent offsite tracking of sediment. Vehicles will be inspected often for leaks. Drip pans or absorbent pads will be used for vehicle and equipment maintenance activities that involve grease, oil, solvents, or other fluids. The vehicle operator will be responsible for any cleanup. These management practices will continue throughout the duration of the project. Vehicle washdown will be performed only in a controlled location and runoff from that location will be controlled so as to not reach any surface water.
- 9. Dust Control Measures that help reduce the surface movement of soil and particles from disturbed surfaces into the air. If water is used to prevent dust, it shall be applied in a manner that does not create runoffand minimizes vehicle tracking.

ATTACHMENT F STRUCTURAL PRACTICES

PROJECT NAME: Heights of Crownridge Unit 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

In addition to general stormwater inlets, piping, and headwalls, the Following structural containment practices will be employed as shown on the attached construction plans to control stormwater runoff on site and to minimize erosion:

- 1.) Concrete Curb along all pavement sections Vertical 6" concrete curbs will be placed along all paved areas and drive aisles to capture stormwater runoff and direct it properly to minimize downstream erosion.
- 2.) Retaining Walls Placed below embankment and pavement sections, these areas will be graded to drain away and upstream from retaining walls as a backup to capture by concrete curbs.
- 3.) Roof Drainage containment systems with gutters All building roofs will be directed to gutter containment systems to direct stormwater runoff into structural drainage systems.

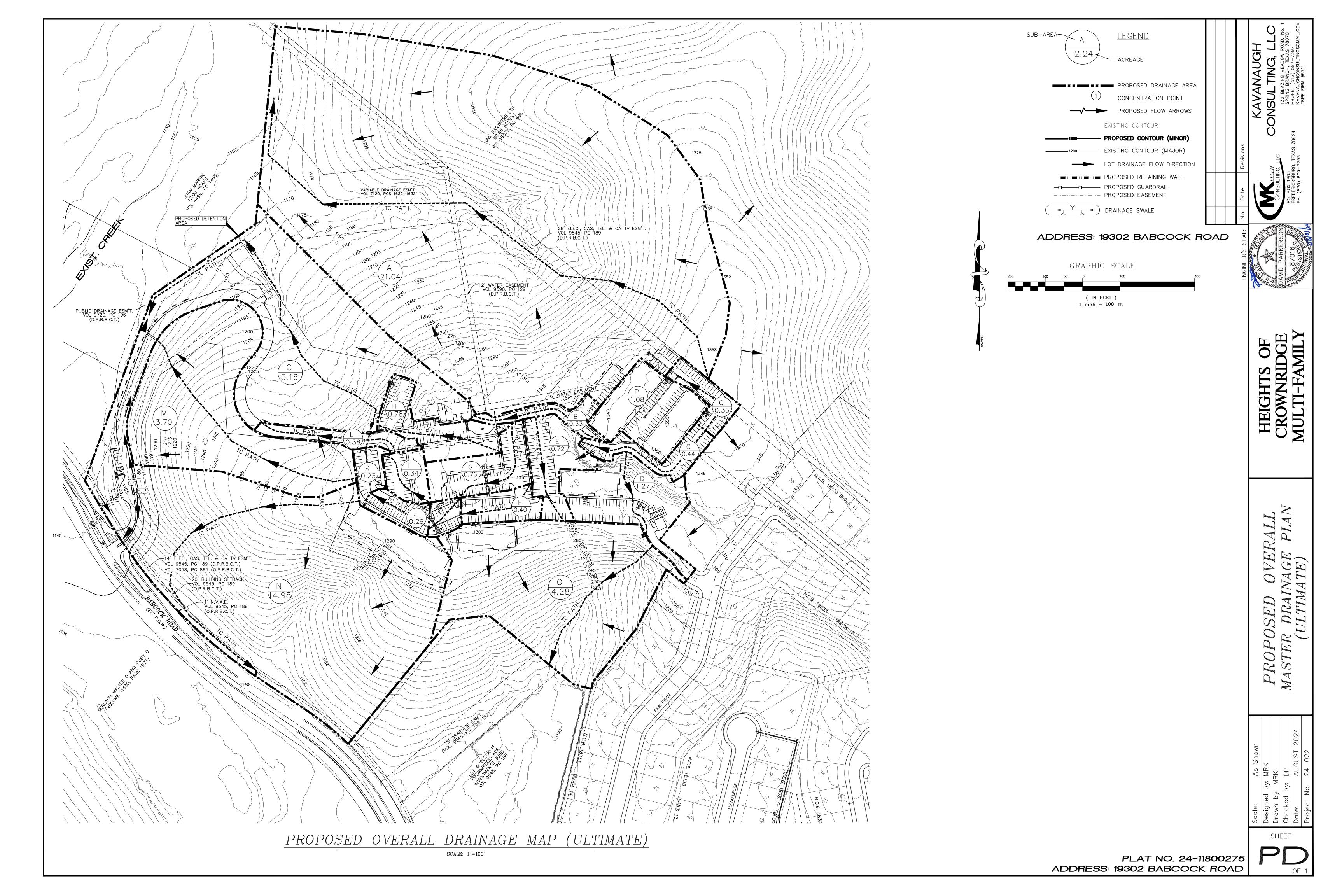
ATTACHMENT G DRAINAGE AREA MAP

PROJECT NAME: Heights of Crownridge Unit 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

A Drainage Area Map and Calculations are included herein.



FLOW CALCULATION TABLE - ULTIMATE (PROPOSED) HEIGHTS OF CROWNRIDGE UNIT 2 - RESIDENTIAL 6/1/2024

DRAINAGE	AREA	% IMPERVIOUS	Imperv. Cover	Weight	Тс	l 5yr	l 25yr	l 100yr	Q 5yr	Q 25yr	Q 100yr
AREA	(acres)		(acres)	С	(min)				(cfs)	(cfs)	(cfs)
Α	12.78	6%	0.80	0.52	10.4	6.30	8.30	11.00	41.8	55.1	73.0
В	0.33	91%	0.30	0.92	6.0	7.80	10.30	11.60	2.4	3.1	3.5
С	5.16	20%	1.05	0.59	7.5	7.20	9.50	12.10	21.8	28.7	36.6
D	1.27	39%	0.50	0.68	5.3	8.30	11.00	13.40	7.1	9.4	11.5
E	0.72	49%	0.35	0.72	5.6	8.30	11.00	13.40	4.3	5.7	6.9
F	0.40	90%	0.36	0.91	5.3	8.30	11.00	13.40	3.0	4.0	4.9
G	0.76	95%	0.72	0.94	5.3	8.30	11.00	13.40	5.9	7.8	9.5
Н	0.78	97%	0.76	0.95	5.6	8.30	11.00	13.40	6.1	8.1	9.9
1	0.34	97%	0.33	0.95	5.3	8.30	11.00	13.40	2.7	3.5	4.3
J	0.29	93%	0.27	0.93	5.3	8.30	11.00	13.40	2.2	3.0	3.6
K	0.23	87%	0.20	0.90	5.1	8.30	11.00	13.40	1.7	2.3	2.8
L	0.38	95%	0.36	0.94	6.0	7.80	10.30	11.60	2.8	3.7	4.1
M	3.70	5%	0.20	0.52	6.3	7.70	10.20	11.50	14.7	19.5	21.9
N	14.98	8%	1.20	0.53	6.2	7.70	10.20	11.50	60.9	80.6	90.9
0	4.28	16%	0.70	0.57	7.8	7.10	9.40	11.50	17.2	22.8	27.9

NOTE:

TCI Storm Water Design Criteria Manual (2016) was utilized for Intensities in the Rational Method for these calculations as required by the City of San Antonio.

ATTACHMENT I Inspection, Maintenance, Repair, and Retrofit Plan

PROJECT NAME: Heights of Crownridge Unit 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

Warner Land Advisors, LP and their General Contractor will manage daily erosion control maintenance:

- 2.) Stabilized construction entrance3.) Concrete Washout Pits
- 4.) Rock Berms

The Temporary BMPs offsite will be monitored and maintained on a scheduled basis by the Crownridge of Texas Property Owners Association. Responsible Party contact is:

Crownridge of Texas POA, Inc.

Real Manage c/o: 613 Northwest Loop 410 Suite 510

San Antonio, Texas 78216

Attn: Melissa Rogers, Community Manager

ATTACHMENT J Schedule of Interim and Permanent Soil Stabilization Practices

PROJECT NAME: Heights of Crownridge Unit 2 Residential

ADDRESS: 19238 Babcock Road

CITY, STATE: San Antonio, TX 78255

The following actions will be performed on a daily basis during all activities onsite:

- 1.) Mulching Onsite cleared trees will be mulched during initial operations and prepared for placement on all disturbed areas after grading.
- 2.) Water Trucks Onsite water trucks will be active during construction spraying all exposed disturbed dirt areas daily.
- 3.) Silt Fence Silt Fence will be placed prior to start of construction activities and will be maintained weekly or after every rain event.
- 4.) Frock Berms Rock Berms will be placed at high velocity and flow drainage locations during initial operations and maintained weekly and after every rain event.

Agent Authorization Form

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

1	STEPHEN SALLMAN	
	Print Name	
-	MANAGER	
	Title - Owner/President/Other	
of	WARNER LAND ADVISORS, LP Corporation/Partnership/Entity Name	
	Corporation/Partitership/Entity Name	
have authorized _	DAVID PARKERSON, PE	
	Print Name of Agent/Engineer	
of	KAVANAUGH CONSULTING, LLC	
	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:

Applicant's Signature

7/27/24

THE STATE OF Texas §
County of Dalla §

BEFORE ME, the undersigned authority, on this day personally appeared Sall way 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 2740 day of Quly ,2024

NOTARY PUBLIC

TAWARA WIGUEZ
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 7-29-2026

TAMARA MIGUEZ
Notary ID #1593476
My Commission Expires
July 29, 2026

Application Fee Form

Texas Commission on Environme Name of Proposed Regulated Ent	ity: <u>HEIGHTS OF CROW</u>							
	Regulated Entity Location: 19238 BABCOCK ROAD, SAN ANTONIO, TEXAS 78255							
Name of Customer: WARNER LAN								
Contact Person: DAVID PARKERSON, PE Phone: 512-587-7397								
Customer Reference Number (if issued):CN								
Regulated Entity Reference Number	oer (if issued):RN <u>10495</u>	<u>3229</u>						
Austin Regional Office (3373)								
☐ Hays San Antonio Regional Office (336	Travis	☐ Wi	lliamson					
Bexar	Medina		alde					
Comal		□ 00	aiue					
	∐ Kinney							
Application fees must be paid by								
Commission on Environmental Q								
form must be submitted with you	ur ree payment. This pa	ayment is being submit	itea to:					
Austin Regional Office	⊠ Sa	an Antonio Regional Office						
Mailed to: TCEQ - Cashier	□ 0	vernight Delivery to: TCEQ - Cashier						
Revenues Section	1:	2100 Park 35 Circle						
Mail Code 214	В	uilding A, 3rd Floor						
P.O. Box 13088	Α	ustin, TX 78753						
Austin, TX 78711-3088	(5	512)239-0357						
Site Location (Check All That App	ly):							
Recharge Zone	Contributing Zone	Transition Zone						
Type of Pla		Size	Fee Due					
Water Pollution Abatement Plan	, Contributing Zone		10					
Plan: One Single Family Resident		Acres	\$					
Water Pollution Abatement Plan								
Plan: Multiple Single Family Resid	dential and Parks	43.54 Acres	\$ 8,000					
Water Pollution Abatement Plan	, Contributing Zone							
Plan: Non-residential	Acres	\$						
Sewage Collection System	L.F.	\$						
Lift Stations without sewer lines	Acres	\$						
Underground or Aboveground St	Tanks	\$						
Piping System(s)(only)		Each	\$					
Exception		Each	\$					
Extension of Time	Each	\$						

Signature:

Date: <u>07/13/24</u>

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

Project	Project Area in Acres	Fee
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,	< 1	\$3,000
institutional, multi-family residential, schools, and	1 < 5	\$4,000
other sites where regulated activities will occur)	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500



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 desc	ribe in space provided.)						
_							
New Permit, Registration or Authorization (Core Data F	Form should be submitted with	the program application.)					
D Book of Company to the telescope with the		M out a Martification CTD No. 0					
Renewal (Core Data Form should be submitted with the	Other Modification CZP - New Owner						
2. Customer Reference Number (if issued)		3. Regulated Entity Reference Number (if issued)					
2. Customer Reference Humber (1) Issueu)	Follow this link to search						
for CN or RN numbers in							
CN <u>Central Registry**</u> RN 104953229							
SECTION II: Customer Infor	mation						
SECTION II. CUSTOMEN IMON	<u>IIIativii</u>						

4. General Cu	istomer I	nformation	5. Effective Date for Customer Information Updates (mm/dd/yyyy)						1/10/2020			
☑ New Custor ☐ Change in Le		(Verifiable with the Te	lpdate to Custon xas Secretary of						egulated En	tity Own	ership	
The Custome	r Name s	ubmitted here may	be updated au	ıtomatica	lly base	ed on w	hat is c	urrent	and active	with th	ne Texas Sec	retary of State
(SOS) or Texa	s Compti	roller of Public Acco	unts (CPA).									
6. Customer I	Legal Nar	ne (If an individual, pri	int last name firs	st: eg: Doe, .	John)			If nev	v Customer,	enter pre	evious Custom	ner below:
Warner Land A	dvisors, LP	,						BP 10	00 San Antor	nio, Ltd.		
7. TX SOS/CP	A Filing N	lumber	8. TX State T	ax ID (11 c	digits)			9. Fe	deral Tax I	D	10. DUNS	Number (if
0011867510			32036228735					(9 dig	its)		applicable)	
								, ,	•			
								75-28	809479			
11. Type of C	ustomer:	☐ Corpora	tion				Individ	dual		Partne	rship: 🔲 Ger	neral 🛛 Limited
Government: [City 🗌	County 🗌 Federal 📗	Local State	Other			Sole P	roprieto	orship	Otl	ner:	
12. Number o	of Employ	/ees						13. l	ndepender	ntly Ow	ned and Ope	erated?
⊠ 0-20 □ 2	21-100	101-250 251-	500 🔲 501 a	and higher				⊠ Yo	es	☐ No		
14. Customer	Role (Pro	oposed or Actual) – as	it relates to the F	Regulated E	ntity list	ted on th	his form.	Please	check one oj	f the follo	owing	
	al Licensee	Operator Responsible Pa		ner & Opera CP/BSA Ap					Other:			
15. Mailing	4040 N.	CENTRAL EXPRESSWAY	′									
	SUITE 85	50										
Address:	City DALLAS State TX						ZIP	75204 ZIP + 4		ZIP + 4		
16. Country N	Mailing In	formation (if outside	USA)	1		17. E-	-Mail A	ddress	(if applicabl	e)		1
						SSALLI	MAN@V	VARNEF	GROUP.COI	M		
40 Talaukau	e Numbe	r	10	9. Extensi	on or C	odo			20 Fay N	umbor	(if applicable)	

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(214) 368-0238	() -

SECTION III: Regulated Entity Information

21. General Regulated En	tity Informa	ation (If 'New Reg	gulated Entity" is sel	ected, a new	permit applica	ition is also i	required.)		
☐ New Regulated Entity	Update to	Regulated Entity	Name 🔀 Update	e to Regulated	d Entity Inform	nation			
The Regulated Entity Nar as Inc, LP, or LLC).	ne submitte	d may be upda	ted, in order to m	eet TCEQ Co	ore Data Sta	ndards (rei	noval of o	rganization	nal endings such
22. Regulated Entity Nam	n e (Enter nam	e of the site wher	re the regulated acti	on is taking p	lace.)				
HEIGHTS OF CROWNRIDGE U	INIT 2 RESIDE	NTIAL							
23. Street Address of the Regulated Entity:	19238 BABCOCK ROAD								
(No PO Boxes)	City	SAN ANTONIO	State	TX	ZIP	78255		ZIP + 4	
24. County				•					
	ı	If no Stree	et Address is prov	ided, fields	25-28 are re	quired.			
25. Description to Physical Location:	0.5 MILES N	ORTHWEST OF LU	JSKEY DRIVE ALONG	BABCOCK RC)AD				
26. Nearest City						State		Nea	rest ZIP Code
Latitude/Longitude are re used to supply coordinate	-	-	-		Data Standa	ırds. (Geoc	oding of th	ne Physical	Address may be
_	es where no	-	-	accuracy).	Data Standa			ne Physical	Address may be
used to supply coordinate	es where no	-	-	accuracy).	Longitude (V	V) In Decim		ne Physical	Address may be Seconds
used to supply coordinate 27. Latitude (N) In Decim	al: Minutes	-	Seconds	28. I Degr	Longitude (V ees	V) In Decim	nal: nutes	ne Physical	Seconds
27. Latitude (N) In Decimary Degrees	Minutes 30.	ne have been p	Seconds	28. I	Longitude (V ees	V) In Decim	nal: nutes	ndary NAIC	Seconds
27. Latitude (N) In Decim Degrees 29. Primary SIC Code	Minutes 30.	Secondary SIC (Seconds	28. I Degr	Longitude (V ees	V) In Decim	nutes 32. Seco	ndary NAIC	Seconds
27. Latitude (N) In Decimon Degrees 29. Primary SIC Code (4 digits) 6552 33. What is the Primary E	Minutes 30. (4 d) 653 Business of t	Secondary SIC (sigits) his entity? (Do	Seconds Code	28. I Degr 31. Prima (5 or 6 dig	Longitude (V rees ary NAICS Co	V) In Decim	nutes 32. Seco	ndary NAIC	Seconds
27. Latitude (N) In Decimon Degrees 29. Primary SIC Code (4 digits)	Minutes 30. (4 d) 653 Business of t	Secondary SIC (sigits) his entity? (Do	Seconds Code	28. I Degr 31. Prima (5 or 6 dig	Longitude (V rees ary NAICS Co	V) In Decim	nutes 32. Seco	ndary NAIC	Seconds
27. Latitude (N) In Decimon Degrees 29. Primary SIC Code (4 digits) 6552 33. What is the Primary E	Minutes 30. (4 d 653 Business of t	Secondary SIC (sigits) his entity? (Do	Seconds Code	28. I Degr 31. Prima (5 or 6 dig	Longitude (V rees ary NAICS Co	V) In Decim	nutes 32. Seco	ndary NAIC	Seconds
27. Latitude (N) In Decimon Degrees 29. Primary SIC Code (4 digits) 6552 33. What is the Primary E	Minutes 30. (4 d 653 Business of t	Secondary SIC (igits) his entity? (Do	Seconds Code	28. I Degr 31. Prima (5 or 6 dig	Longitude (V rees ary NAICS Co	V) In Decim	nutes 32. Seco	ndary NAIC	Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits) 6552 33. What is the Primary E SINGLE FAMILY / MULTIFAM 34. Mailing	Minutes 30. (4 d 653 Business of t ILY DEVELOPM 4040 N. CE	Secondary SIC (igits) his entity? (Do	Seconds Code	28. I Degr 31. Prima (5 or 6 dig	Longitude (V rees ary NAICS Co	V) In Decim	nutes 32. Seco	ndary NAIC	Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits) 6552 33. What is the Primary E SINGLE FAMILY / MULTIFAM 34. Mailing	Minutes 30. (4 d 653 Business of t ILY DEVELOPM 4040 N. CE SUITE 850 City	Secondary SIC (digits) his entity? (Do	Seconds Code o not repeat the SIC NAY	28. I Degr 31. Prima (5 or 6 dig) 237210 or NAICS desc	rees ary NAICS Co	V) In Decim	nutes 32. Seco	ndary NAIC	Seconds
27. Latitude (N) In Decimon Degrees 29. Primary SIC Code (4 digits) 6552 33. What is the Primary E SINGLE FAMILY / MULTIFAM 34. Mailing Address:	Minutes 30. (4 d 653 Business of t ILY DEVELOPM 4040 N. CE SUITE 850 City	Secondary SIC (igits) his entity? (DOMENT ENTRAL EXPRESSIVE DALLAS	Seconds Code o not repeat the SIC NAY	28. I Degr 31. Prima (5 or 6 dig 237210 or NAICS desc	Longitude (Vees	V) In Decim	32. Seco (5 or 6 dig	ndary NAIC gits)	Seconds

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.

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☐ Dam Safety	0	Districts	Edwards Aquifer		☐ Err	nissions Inventory Air	☐ Industrial Hazardous Wast
		7					
Municipal Solid	d Waste	New Source Review Air	OSSF		☐ Pet	troleum Storage Tank	PWS
Sludge		Storm Water	☐ Title V Air		☐ Tire	es	Used Oil
☐ Voluntary Clea	nup	Wastewater	☐ Wastewater A	griculture	□ Wa	iter Rights	Other:
				1			
ECTION	IV: Pr	eparer Inf	<u>ormation</u>				
0. Name: T/	AMARA MIGU	EZ		41. Title:	0	FFICE MANAGER	
2. Telephone Nu	mber	43. Ext./Code	44. Fax Number	45. E-N	lail Add	lress	
214) 368-0238			() -	TMIGUE	Z@WAR	NERGROUP.COM	
ECTION	V: Au	thorized S	ianature				
. By my signature b	elow, I certif	y, to the best of my kno	wledge, that the info	rmation provided as required for t	l in this i he updat	form is true and comple tes to the ID numbers id	te, and that I have signature author entified in field 39.
Company:	WARNER	LAND ADVISORS, LP		Job Title	: 1	MANAGER	
lame (In Print):	STEPHEN	SALLMAN				Phone:	(214)3688238
	-	tighin !	111				

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