

WATER POLLUTION ABATEMENT PLAN MODIFICATION

FOR

CHICK-FIL-A BUDA SOUTHWEST CORNER OF FM 967 AND FM1626

BUDA, TX

Texas ENGINEERING FIRM # F-13709 LANGAN PROJECT # 520061202

AUGUST 2023



Modification of a Previously Approved Plan Checklist

- Edwards Aquifer Application Cover Page (TCEQ-20705)

General Information Form (TCEQ-0587)

Attachment A - Road Map Attachment B - USGS / Edwards Recharge Zone Map Attachment C - Project Description

Geologic Assessment Form (TCEQ-0585)

Attachment A - Geologic Assessment Table (TCEQ-0585-Table) Attachment B - Stratigraphic Column Attachment C - Site Geology Attachment D - Site Geologic Map(s)

Modification of a Previously Approved Plan (TCEQ-0590)

Attachment A - Original Approval Letter and Approved Modification Letters Attachment B - Narrative of Proposed Modification Attachment C - Current Site Plan of the Approved Project

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

Aboveground Storage Tank Facility Plan (TCEQ-0575) Organized Sewage Collection System Application (TCEQ-0582) Underground Storage Tank Facility Plan (TCEQ-0583) Water Pollution Abatement Plan Application (TCEQ-0584) Lift Station / Force Main System Application (TCEQ-0624)

Temporary Stormwater Section (TCEQ-0602)

Attachment A - Spill Response Actions Attachment B - Potential Sources of Contamination Attachment C - Sequence of Major Activities Attachment D - Temporary Best Management Practices and Measures Attachment E - Request to Temporarily Seal a Feature (if requested) Attachment F - Structural Practices Attachment G - Drainage Area Map Attachment H - Temporary Sediment Pond(s) Plans and Calculations Attachment I - Inspection and Maintenance for BMPs Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

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

Attachment A - 20% or Less Impervious Cover Declaration (if requested for multi-family, school, or small business site) Attachment B - BMPs for Upgradient Stormwater Attachment C - BMPs for On-site Stormwater Attachment D - BMPs for Surface Streams Attachment E - Request to Seal Features, if sealing a feature Attachment F - Construction Plans Attachment G - Inspection, Maintenance, Repair and Retrofit Plan Attachment H - Pilot-Scale Field Testing Plan (if requested) Attachment I -Measures for Minimizing Surface Stream Contamination

- Agent Authorization Form (TCEQ-0599), if application submitted by agent
- Application Fee Form (TCEQ-0574)
- Check Payable to the "Texas Commission on Environmental Quality"
- Core Data Form (TCEQ-10400)

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 <u>30 TAC 213</u>.

Administrative Review

1. <u>Edwards Aquifer applications</u> 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: <u>http://www.tceq.texas.gov/field/eapp</u>.

- 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 N	ame: CHICK	K-FIL-A	A BUI	DA	2. Regulated Entity No.: RN11704615					
3. Customer Name: F	irst GL Buda	a, LLC			4. Customer No.: 605522234					
5. Project Type: (Please circle/check one)	New	Modif	icatior	\mathbf{D}	Extension		Exception			
6. Plan Type: (Please circle/check one) WPAP CZP S			UST	AST	EXP EXT		Technical Clarification	Optional Enhanced Measures		
7. Land Use: (Please circle/check one)	Residential	Non-r	residen	tial		8. Sit	e (acres):	+/- 2.4 Acres		
9. Application Fee:	10. P	o. Permanent BMP(s):				Existing Jellyfish				
11. SCS (Linear Ft.): N/A 12. AST/UST (N						nks):	N/A			
13. County:	Hays	14. W	aters	hed:			Mustang Branch Onion Creek 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 Region										
County:	Hays	Travis	Williamson							
Original (1 req.)	_X_									
Region (1 req.)	_X_									
County(ies)	_ <u>X</u> _		_							
Groundwater Conservation District(s)	Edwards Aquifer Authority XBarton Springs/ Edwards Aquifer Hays Trinity Plum Creek	Barton Springs/ Edwards Aquifer	NA							
City(ies) Jurisdiction	Austin XBuda Dripping Springs Kyle Mountain City San Marcos Wimberley Woodcreek	Austin Bee Cave Pflugerville Rollingwood Round Rock Sunset Valley West Lake Hills	Austin Cedar Park Florence Georgetown Jerrell Leander Liberty Hill Pflugerville Round Rock							

	San Antonio Region									
County:	Bexar	Comal	Kinney	Medina	Uvalde					
Original (1 req.)										
Region (1 req.)										
County(ies)										
Groundwater Conservation District(s)	Edwards Aquifer Authority Trinity-Glen Rose	Edwards Aquifer Authority	Kinney	EAA Medina	EAA Uvalde					
City(ies) Jurisdiction	Castle Hills Fair Oaks Ranch Helotes Hill Country Village Hollywood Park 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.

Samuel Knotts, Langan Engineering and Environmental Services

Print Name of Customer/Authorized Agent

Danual Knotts

Signature of Customer/Authorized Agent

8/9/2024 Date

FOR TCEQ INTERNAL USE ONI	LY						
Date(s)Reviewed:		Date Adn	ninistratively Comple	ete:			
Received From:		Correct Number of Copies:					
Received By:		Distribution Date:					
EAPP File Number: Complex:							
Admin. Review(s) (No.):		No. AR R	Io. AR Rounds:				
Delinquent Fees (Y/N):		Review T	Review Time Spent:				
Lat./Long. Verified:		SOS Cust	omer Verification:				
Agent Authorization Complete/Notarized (Y/N):		Fee	Payable to TCEQ (Y	/N):			
Core Data Form Complete (Y/N):		Check:	Signed (Y/N):				
Core Data Form Incomplete Nos.:	Nos.: Less than 90 days old (Y/N):						

General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) Effective June 1, 1999

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

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

Signature

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

Print Name of Customer/Agent: Samuel Knotts, Langan Engineering and Environmental Services

Date: 08/09/2024

Signature of Customer/Agent:

Janual Knotts

Project Information

- 1. Regulated Entity Name: <u>CHICK-FIL-A BUDA</u>
- 2. County: Hays
- 3. Stream Basin: GARLIC CREEK
- 4. Groundwater Conservation District (If applicable): N/A
- 5. Edwards Aquifer Zone:



6. Plan Type:

\ge	WPAP
	SCS

Modification

TCEQ-0587 (Rev. 02-11-15)

	UST	Exception Request
7.	Customer (Applicant):	
Т	Contact Person: John Toic Entity: <u>First GL Buda LLC</u> Mailing Address: <u>149 Colonial Rd,</u> City, State: <u>Manches</u> ter, CT Telephone: 860-646-6555 Email Address: <u>JToic@firsthartford.com</u>	 FAX:
8.	Agent/Representative (If any):	
	Contact Person: <u>Samuel Knotts</u> Entity: <u>Langan Engineering and Environmental Serv</u> Mailing Address: <u>13750 San Pedro Ave, Suite 730</u> City, State: <u>San Anton</u> io, TX Telephone: <u>210-912-1598</u> Email Address: <u>sknotts@langan.com</u>	<u>Zip: 7</u> 8232 FAX: <u>281-675-7901</u>
9.	Project Location:	
	 The project site is located inside the city limits The project site is located outside the city limits jurisdiction) of The project site is not located within any city's 	of <u>Buda .</u> s but inside the ETJ (extra-territorial limits or ETJ.
10	The location of the project site is described bel detail and clarity so that the TCEQ's Regional st boundaries for a field investigation.	ow. The description provides sufficient taff can easily locate the project and site
	Southwest corner of FM 967 and FM1626	
11.	Attachment A – Road Map. A road map showi project site is attached. The project location an the map.	ng directions to and the location of the Id site boundaries are clearly shown on
12.	Attachment B - USGS / Edwards Recharge Zon USGS Quadrangle Map (Scale: 1" = 2000') of th The map(s) clearly show:	e Map . A copy of the official 7 ½ minute e Edwards Recharge Zone is attached.
	 Project site boundaries. USGS Quadrangle Name(s). Boundaries of the Recharge Zone (and Tran Drainage path from the project site to the boundaries of the section of the project site to the boundaries of the section of the project site to the boundary of the project site to the project site to the boundary of the project site to the proje	sition Zone, if applicable). boundary of the Recharge Zone.
13	The TCEQ must be able to inspect the project so Sufficient survey staking is provided on the pro the boundaries and alignment of the regulated features noted in the Geologic Assessment.	site or the application will be returned. ject to allow TCEQ regional staff to locate activities and the geologic or manmade

Survey staking will be completed by this date: _____

- 14. Attachment C Project Description. Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:
 - Area of the site
 Offsite areas
 Impervious cover
 Permanent BMP(s)
 Proposed site use
 Site history
 Previous development
 Area(s) to be demolished

15. Existing project site conditions are noted below:

	Existing commercial site
	Existing industrial site
	Existing residential site
\times	Existing paved and/or unpaved roads
\ge	Undeveloped (Cleared)
\ge	Undeveloped (Undisturbed/Uncleared)
	Other:

Prohibited Activities

- 16. I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:
 - (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
 - (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
 - (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
 - (4) The use of sewage holding tanks as parts of organized collection systems; and
 - (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
 - (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.
- 17. I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:
 - (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);

- (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and
- (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

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

- For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.

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

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

- A request for an extension to a previously approved plan.
- 19. Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

🔀 TCEQ cashier

 Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
 San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

- 20. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- 21. No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

General Information Form TCEQ Form 0587

Attachment A - Road Map. A road map showing directions to and the location of the project site. The project location and site boundaries are clearly shown on the map.





 Texas Commission on Environmental Quality
 Regulatory Zones
 Assessment Team of the Texas Commission on Environmental Quality to detail the boundaries of the regulatory zones of the detail the boundaries of the regulatory zones of the detail the boundaries of the regulatory zones of the data so the Edwards Aquifer Protection Program
 Son TAC Chapter 213- Edwards Aquifer
 Son TAC Chapter 213- Edwards Aquifer

 Effective September 2005
 Effective September 2005
 Son TAC chapter 2005
 Son TAC chapter 2005



INTERIOR-GEOLOGICAL 97°52'30" ESTON.



General Information Form TCEQ Form 0587 Attachment C – Project Description

This site was previously approved under the WPAP-MOD EAP No. 11001433, Regulated Entity No. RN11001433, on April 3, 2019, which approved two Jellyfish treatment systems. The proposed modification decreases drainage area and decreases impervious cover draining to the existing Jellyfish system. No modifications to the existing Jellyfish system are proposed. Please see attached plans and calculations, including the Impervious Cover Comparison Table on sheet C-6.4.

Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), 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. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Kevin Denson, P.G.

Telephone: 512 442-1122

Date: 5/14/2015

Fax: <u>512-442-1181</u>

Representing: <u>Terracon Consultants, Inc.; TBPG 50058</u> (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

1/ Denson

Regulated Entity Name: 14.99-Acre Tract, SWC FM 967 and FM 1626

Project Information

- 1. Date(s) Geologic Assessment was performed: 5/8/2015
- 2. Type of Project:

\boxtimes	WPAP
	SCS

AST
UST

- 3. Location of Project:
 - Recharge Zone
 - Transition Zone
 - Contributing Zone within the Transition Zone

- 4. Attachment A Geologic Assessment Table. Completed Geologic Assessment Table (Form TCEQ-0585-Table) is attached.
- Soil cover on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups* (Urban Hydrology for Small Watersheds, Technical Release No. 55, Appendix A, Soil Conservation Service, 1986). If there is more than one soil type on the project site, show each soil type on the site Geologic Map or a separate soils map.

Table 1 - Soil Units, InfiltrationCharacteristics and Thickness

Soil Name	Group*	Thickness(feet)
KrB	D	0 to 5.5

* Soil Group Definitions (Abbreviated)

- A. Soils having a high infiltration rate when thoroughly wetted.
- B. Soils having a moderate infiltration rate when thoroughly wetted.
- C. Soils having a slow infiltration rate when thoroughly wetted.
- D. Soils having a very slow infiltration rate when thoroughly wetted.
- 6. Attachment B Stratigraphic Column. A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
- 7. X Attachment C Site Geology. A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
- 8. Attachment D Site Geologic Map(s). The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'

Applicant's Site Plan Scale: 1" = <u>60</u>' Site Geologic Map Scale: 1" = <u>60</u>' Site Soils Map Scale (if more than 1 soil type): 1" = _____'

9. Method of collecting positional data:

Global Positioning System (GPS) technology. Other method(s). Please describe method of data collection: <u>Google Earth</u>

- 10. The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
- 11. 🔀 Surface geologic units are shown and labeled on the Site Geologic Map.

12. A Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.

Geologic or manmade features were not discovered on the project site during the field investigation.

- 13. 🔀 The Recharge Zone boundary is shown and labeled, if appropriate.
- 14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
 - There are 3 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
 - The wells are not in use and have been properly abandoned.
 - The wells are not in use and will be properly abandoned.
 - The wells are in use and comply with 16 TAC Chapter 76.
 - There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

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

*At the time of this Geological Assessments completion, the wells called out in #14 and shown on the provided Site Geologic Map we're in use. However, at the time of this submittal, they are not in use and will be properly abandoned as stated in the next section on #20.

GEOL	OGIC AS	SSESSMI	ENT T	ABLE			PRO	JECT	NAME: 14	.99-	Acre Tr	act, SWC	FM 967	and FM 16	26, Bud	a, Tex	(85				
LOCAT	ION		FEATU	RE CH	ARACTER	ISTI	CS			_					EVAL	UAT	ION	PHY	SICAL	SETTING	
1A	1B *	10"	2A	28	3		4		4 5 5		5A 6		6 7	7 8A	8A 8B	9	10		11		12
Feature ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTB	FORMATION	DIMENSIONS (FEET)		I) TREND (DEGREES)		DOM DENBITY (NO/FT)	APERTURE (FEET)	APERTURE (FEET) INFILL	RELATIVE INFILTRATION RATE	TOTONL	SENSITIVITY		ENT AREA MACRESD		TOPOGRAPHY		
						x	Y	z		10						<40	240	<1.6	<u>≥1.6</u>		
W-1	30* 5.73	97* 52.63	MB	30	Ked										30	X					
W-2	30° 5.75	97* 52.60	MB	30	Ked										30	X		1.1			
W-3	30° 5.68	97° 52.53	MB	30	Ked										30	X					
						-															
DATUM	NAD27																				
A TYPE	TYPE				2B POINTS		8A IN	FILL	NG												
0	Cave				30		N	None	, exposed	bed	rock										
SC	Solution cav	ity			20		C	Coar	se - cobble	es, b	reakdow	n, sand, g	gravel								
SF	Solution-eni	arded fracture	(8)		20		0	Loos	e or soft m	nud o	r soil, or	oanics. le	aves. s	ticks, dark c	olors						
-	Fault				20		F	Fine	s, compac	led c	lay-rich	sediment,	soil pro	file, gray or	red colo	15					
0	Other natura	al bedrock feat	tures		5		v	Vege	tation. Gh	re de	talis in n	arrative d	escripti	on							
AB	Manmade fe	ature in bedro	ock		30		FS	Flow	stone, cen	nents	, cave d	eposits									
ŚW	Swallow hole	8			30		x	Othe	r materials	3											
sH	Sinkhole				20																
CD	Non-karst cl	losed depress	lon		5		12 T	OPOG	RAPHY						1						
z	Zone, cluste	ered or aligned	fe atures		30		CIM	Hilto	p, Hillside,	Dra	inage, F	loodplain,	Stream	nbed							

I have read, I understood, and I have followed the Texas Natural Resource Conservation Commission's Instructions to Geologists. The

information presented here complies with that document and is a true representation of the conditions observed in the field.

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

Date <u>5/14/20</u>15 Sheet <u>1</u> of <u>1</u>





TABLE 1

Stratigraphic Column 14.99-Acre Tract SWC FM 967 and FM 1626 Buda, Texas

HYDROGEOLOGIC SUBDIVISION	FORMATION	THICKNESS (feet)	LITHOLOGY
Upper Confining Unit	Del Rio	50-60	Calcareous, fossiliferous clay

Source: Small, Hanson, and Hauwert, 1996



lerracon

SITE-SPECIFIC GEOLOGY

The Geologic Assessment (GA) of the 14.99-Acre Tract was performed by Mr. Kevin Denson, P.G., of Terracon on May 8, 2015. The site includes several parcels of land located at the southwest corner of FM 967 and FM 1626 in Buda, Texas. The site is mostly undeveloped, vegetated land, with the exception of three existing residences and associated structures. A total of three water wells appear to exist at the site, in the vicinity of the residential homesteads. A construction site is located in the northeast portion of the site. Exhibit 1 is a site location map depicting the site in relationship to the surrounding area. The site is characterized as gently sloping to the northeast, and site elevation ranges from approximately 776 feet above mean sea level (msl) in the southwest corner of the site, to approximately 759 feet msl in the northeast corner of the site. Surface drainage offsite is towards Garlic Creek, located approximately 500 feet northeast of the site. The 100-year floodplain is not located on the site (FEMA Map 48209C0260F, dated September 2, 2005).

The Geologic Site Map is provided as Exhibit 2. The surficial geologic unit present at the site has been identified as the Del Rio Formation. The Recharge Zone Boundary of the Edwards Aquifer is located within the site boundaries, and the site has been mapped within both the Recharge Zone and the Contributing Zone within the Transition Zone (see Exhibit 1). The Del Rio Formation consists of calcareous, fossiliferous clay that commonly contains pyrite and gypsum. The Del Rio is up to 60 feet thick in the area and forms the upper confining unit for the Edwards Aquifer. The fossil oyster *Ilymatogyra arietina* is very abundant and are locally known as "rams horns". Table 1 (attached) is a stratigraphic column prepared for the site. Evidence of onsite faulting was not observed at the site, although an onsite fault is mapped on a published geologic map (*Geologic Map of the Austin Area, Texas*). The mapped fault, which trends toward the northeast, is associated with the Balcones Fault zone which represents the dominant structural trend in the vicinity of the site. The completed Geologic Assessment form is attached.

No geologic features were observed on the site. Due to the lack of significant sensitive recharge features observed on the site and the presence of Del Rio clay as the surficial geologic unit, the potential for fluid movement to the Edwards aquifer beneath the site is considered low.







EXHIBIT

2

LEGEND

- Property Boundary
- Approximate Location of Mapped Fault
 - Kdr **Del Rio Formation**
 - \otimes Apparent Water Well



SITE GEOLOGIC MAP

SWC FM 967 and FM 1626

Buda, Hays County, Texas

Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Samuel Knotts, Langan Engineering and Environmental Services

Date: 08/09/2024

Signature of Customer/Agent:

annal Knotts

Project Information

- Current Regulated Entity Name: <u>CHICK-FIL-A BUDA</u> Original Regulated Entity Name: First GL Buda, LLC Regulated Entity Number(s) (RN): <u>110375433</u> Edwards Aquifer Protection Program ID Number(s): <u>11001717, 11001095, 11001433</u>
 The applicant has not changed and the Customer Number (CN) is: <u>605522234</u>
 - The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
- 2. Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.

3. A modification of a previously approved plan is requested for (check all that apply):

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

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

Development of land previously identified as undeveloped in the original water pollution abatement plan;

Physical modification of the approved organized sewage collection system;

Physical modification of the approved underground storage tank system;

Physical modification of the approved aboveground storage tank system.

4. Summary of Proposed Modifications (select plan type being modified). If the approved plan has been modified more than once, copy the appropriate table below, as necessary, and complete the information for each additional modification.

WPAP Modification	Approved Project	Proposed Modification
Summary		
Acres	<u>3.06</u>	<u>1.95</u>
Type of Development	<u>Commercial</u>	<u>Commercial</u>
Number of Residential	<u>0</u>	<u>0</u>
Lots		
Impervious Cover (acres)	<u>1.83</u>	<u>1.55</u>
Impervious Cover (%	<u>60%</u>	<u>79%</u>
Permanent BMPs	<u>JellyFish (A)</u>	JellyFish (A)
Other	<u>N/A</u>	<u>N/A</u>
SCS Modification	Approved Project	Proposed Modification
Summary		
Linear Feet	<u>N/A</u>	<u>N/A</u>
Pipe Diameter	<u>N/A</u>	<u>N/A</u>
Other	<u>N/A</u>	<u>N/A</u>

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

- 5. Attachment B: Narrative of Proposed Modification. A detailed narrative description of the nature of the proposed modification is attached. It discusses what was approved, including any previous modifications, and how this proposed modification will change the approved plan.
- 6. Attachment C: Current Site Plan of the Approved Project. A current site plan showing the existing site development (i.e., current site layout) at the time this application for modification is attached. A site plan detailing the changes proposed in the submitted modification is required elsewhere.
 - The approved construction has not commenced. The original approval letter and any subsequent modification approval letters are included as Attachment A to document that the approval has not expired.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was constructed as approved.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was **not** constructed as approved.

The approved construction has commenced and has **not** been completed.

Attachment C illustrates that, thus far, the site was constructed as approved.

The approved construction has commenced and has **not** been completed.

Attachment C illustrates that, thus far, the site was **not** constructed as approved.

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

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

Modification of a Previously Approved Plan TCEQ Form 0590 Attachment A – Original Approval Letter and Approved Modification Letters

Refer to the provided approved WPAP package.

Modification of a Previously Approved Plan TCEQ Form 0590 Attachment B – Narrative of Proposed Modification

This site was previously approved under the WPAP-MOD EAP No. 11001433, Regulated Entity No. RN11001433, on April 3, 2019, which approved two Jellyfish treatment systems. The proposed modification decreases drainage area and decreases impervious cover draining to the existing Jellyfish system. No modifications to the existing Jellyfish system are proposed. Please see attached plans and calculations, including the Impervious Cover Comparison Table on sheet C-6.4.

Modification of a Previously Approved Plan TCEQ Form 0590 Attachment C – Current Site Plan of the Approved Project

Refer to the provided approved WPAP package for a current site plan of the approved project.

Bryan W. Shaw, Ph.D., P.E., *Chairman* Toby Baker, *Commissioner* Jon Niermann, *Commissioner* Stephanie Bergeron Perdue, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 6, 2018

Mr. Neil Ellis First GL Buda, LLC 149 Colonial Rd. Manchester, Connecticut 06042

Re: Edwards Aquifer: Hays County NAME OF PROJECT: Starbucks Buda; located at 230 FM 1626, Buda, Texas TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP); Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer Edwards Aquifer Protection Program ID No. 11001095; Regulated Entity No. RN110375433

Dear Mr. Ellis:

The Texas Commission on Environmental Quality (TCEO) has completed its review of the WPAP Application for the above-referenced project submitted to the Austin Regional Office by Big Red Dog Engineering Consulting, Inc. on behalf of First GL Buda, LLC on April 24, 2018. Final review of the WPAP was completed after additional material was received on June 25, 2018. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aguifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

PROJECT DESCRIPTION

The proposed 12.12-acre project site lies within the Edwards Aquifer recharge zone. Construction of the proposed project will consist of one (1) building, access drives and parking areas. Existing impervious cover (IC) consisting of three (3) foundations will be demolished. The total acreage of IC for the project is 1.96 acres (16.16 %). Project wastewater will be disposed of by conveyance to the existing City of Buda Wastewater Treatment Plant.

In addition to the described activities, temporary erosion and sedimentation controls will be installed prior to commencing site disturbance and maintained during construction.

Mr. Neil Ellis Page 2 July 6, 2018

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two (2) partial sedimentation/filtration basins and an interim vegetated filter strip (VFS) will be constructed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) to treat stormwater runoff. The proposed basins will be constructed to treat this project and future phases of development. The proposed sand filter ponds are designed to treat two drainage areas that total 7.17 acres and 4.56 acres of IC. The desired TSS load removal for the project is 3,833 lbs.

Pond A will treat a drainage basin of 4.57 acres with 2.87 acres IC and 0.21 acres of existing IC. The required TSS load removal of this basin is 2,388 lbs. with a water quality volume of 9,844 ft³ (14,926 ft³ provided). This pond will treat future phases of development.

Pond B will treat the proposed Starbucks site drainage basin of 2.60 acres with 1.69 acres IC and 0.08 acres of existing IC. The required TSS load removal of this basin is 1,445 lbs. with a water quality volume of 6,245 ft³ (8,256 ft³ provided). An interim VFS will treat 0.51 acres IC at the northern entrance road until a permanent BMP is available in future phases. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

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GEOLOGY

According to the Geologic Assessment (GA) included in the application the site is located in the Edwards Aquifer Recharge Zone. The Del Rio Formation overlies the Buda Formation Georgetown Formation. The GA listed three (3) water wells as sensitive manmade features, that were discovered onsite. A site assessment conducted by TCEQ on May 31, 2018 revealed that the site was accurately described the GA. No additional sensitive geologic features were discovered during the site assessment.

SPECIAL CONDITIONS

- I. Additional WPAP approvals or Modifications are required prior to commencing additional regulated activities.
- II. All permanent and interim pollution abatement measures shall be operational prior to occupancy.
- III. All sediment and/or media removed from the site during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

- 1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
- 2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
- 3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the Austin 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

Mr. Neil Ellis Page 3 July 6, 2018

Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.

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

During Construction:

- 10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.

Mr. Neil Ellis Page 4 July 6, 2018

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- 13. Three (3) water wells exist onsite. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

- 18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.
- 19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

Mr. Neil Ellis Page 5 July 6, 2018

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Bryan Maynard, of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,

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Robert Sadlier Water Section Team Leader Austin Region Office

RCS/bgm

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

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cc: Mr. Michael V. Reyes, P.E., Big Red Dog Engineering Consulting, Inc., Austin Mr. John Nett, City Engineer, City of Buda Mr. John Dupnik, P.G., General Manager, Barton Springs/Edwards Aquifer Conservation District

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Jon Niermann, *Chairman* Emily Lindley, *Commissioner* Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 3, 2019

Mr. Neil H. Ellis First GL Buda, LLC 149 Colonial Road Manchester, CT 06042

Re: Edwards Aquifer, Hays County

NAME OF PROJECT: Starbucks Buda; Located southwest of the intersection of FM 967 and FM1626, Buda, Texas

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

Edwards Aquifer Protection Program ID No. 11001433; Regulated Entity No. RN110375433

Dear Mr. Ellis:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Modification for the above-referenced project submitted to the Austin Regional Office by Big Red Dog, a Division of WGI on behalf of First GL Buda, LLC on January 31, 2019. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

BACKGROUND

A Water Pollution Abatement Plan was approved by letter dated July 6, 2018 (EAPP ID No. 11001095). The letter approved a development project including one building, drives, parking, and two partial sedimentation/filtration basins.

TCEQ Region 11 • P.O. Box 13087 • Austin, Texas 78711-3087 • 512-339-2929 • Fax 512-339-3795
Mr. Neil H. Ellis Page 2 April 3, 2019

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 12.12 acres. It will include the construction of one building, drives, parking, utilities, water quality facilities, and associated appurtenances. The impervious cover will be 1.958 acres (16.16 percent) for this phase of development. Water quality facilities are sized for this phase and future development. Project wastewater will be disposed of by conveyance to the existing Buda Wastewater Treatment Plant.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two Jellyfish systems and an interim engineered vegetative filter strip (VFS), designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best</u> <u>Management Practices (2005)</u>, will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 1,758 pounds of TSS generated from the 1.958 acres of impervious cover. The water quality facilities are sized for this project and future phases combining for 3.48 acres of impervious cover; the associated required TSS treatment is 3,124 pounds of TSS. A separate approval is required for future phases.

The individual treatment measures will consist of two Jellyfish systems and a VFS. Drainage area F1 will have 1.84 acres of impervious cover and requires the treatment of 1,652 pounds of TSS. The required peak flowrate is 1.88 ft³/sec. Jellyfish model JFPD0808-10-2 will be used to accommodate these requirements.

Drainage area F2 will have 1.13 acres of impervious cover and requires the treatment of 1,014 pounds of TSS. The required peak flowrate is 1.15 ft³/sec. Jellyfish model JFPD0806-6-2 will be used to accommodate these requirements.

The interim engineered vegetative filter strip will be used to treat the equivalent of 458 pounds of TSS generated from 0.51 acres of impervious cover. The interim VFS will be removed and new water quality facilities will be implemented upon development of future phases.

The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

GEOLOGY

According to the Geologic Assessment included with the application, the surficial unit is Del Rio Formation. No sensitive features were identified in the Geologic Assessment. The TCEQ site assessment conducted on February 21, 2019 revealed the site to be generally as described.

SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated July 6, 2018.
- II. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- III. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

Mr. Neil H. Ellis Page 3 April 3, 2019

STANDARD CONDITIONS

- 1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
- 2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
- 3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

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

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During Construction:

- 10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 13. No wells exist on site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
- 14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

- 18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.
- 19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of

Mr. Neil H. Ellis Page 5 April 3, 2019

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

- 20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact James "Bo" Slone, P.G. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,

Robert Sadlier, Section Manager Edwards Aquifer Protection Program Texas Commission on Environmental Quality

RCS/jcs

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



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SITE DEVELOPMENT # 2023-754

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

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

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Water Pollution Abatement Plan Application Form** is hereby submitted for TCEQ review and Executive Director approval. The form was prepared by:

Print Name of Customer/Agent: Samuel Knotts, Langan Engineering and Environmental Services

Date: 08/09/2024

Signature of Customer/Agent:

annal Knoth

Regulated Entity Name: <u>CHICK-FIL-A BUDA</u>

Regulated Entity Information

1. The type of project is:

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

- 2. Total site acreage (size of property): 2.4 Acres
- 3. Estimated projected population: N/A non-residential
- 4. The amount and type of impervious cover expected after construction are shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	6,300	÷ 43,560 =	0.15
Parking	49,706	÷ 43,560 =	1.14
Other paved surfaces	11,512	÷ 43,560 =	0.26
Total Impervious Cover	67,518	÷ 43,560 =	1.55

Table 1 - Impervious Cover Table

Total Impervious Cover <u>1.55</u> ÷ Total Acreage <u>1.95</u> X 100 = <u>79</u>% Impervious Cover

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

For Road Projects Only

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

7. Type of project:

TXDOT road project.

County road or roads built to county specifications.

City thoroughfare or roads to be dedicated to a municipality.

Street or road providing access to private driveways.

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

Concrete
Asphaltic concrete pavement
Other:

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

Width of R.O.W.: _____ feet. L x W = _____ $Ft^2 \div 43,560 Ft^2/Acre = _____ acres.$

10. Length of pavement area: _____ feet.

Width of pavement area: _____ feet.L x W = ____ $Ft^2 \div 43,560 Ft^2/Acre = ____ acres.Pavement area _____ acres \div R.O.W. area _____ acres x 100 = ____% impervious cover.$

11. A rest stop will be included in this project.

A rest stop will not be included in this project.

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

Stormwater to be generated by the Proposed Project

13. Attachment B - Volume and Character of Stormwater. A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on the area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

Wastewater to be generated by the Proposed Project

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

<u>100</u> % Domestic	Gallons/day
% Industrial	Gallons/day
% Commingled	
<u>500</u> Gallons/day	
TOTAL gallons/day <u>1,000</u>	

15. Wastewater will be disposed of by:

	On-Site Sewage	Facility	(OSSF,	/Septic	Tank):
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		Attachment C - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities. Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.
X	Sev	vage Collection System (Sewer Lines):
		Private service laterals from the wastewater generating facilities will be connected to an existing SCS. Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.
		The SCS was previously submitted on

- The SCS was submitted with this application.
-] The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

The sewage collection system will convey the wastewater to the <u>BUDA WASTEWATER</u> (name) Treatment Plant. The treatment facility is:

\times	Existing.
	Proposed

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

Site Plan Requirements

Items 17 – 28 must be included on the Site Plan.

17. \square The Site Plan must have a minimum scale of 1" = 400'.

Site Plan Scale: 1" = <u>40</u>'.

18. 100-year floodplain boundaries:

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

 \boxtimes 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): <u>FEMA FIRM 48491C0485F Effective December 20, 2019</u>

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

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

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

There are $\underline{0}$ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)

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

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

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

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

- 21. Geologic or manmade features which are on the site:
 - All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.

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

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

- 22. The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. 🖂 Areas of soil disturbance and areas which will not be disturbed.
- 24. 🔀 Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. 🛛 Locations where soil stabilization practices are expected to occur.
- 26. Surface waters (including wetlands).

N/A

27. 🔀 Locations where stormwater discharges to surface water or sensitive features are to occur.

There will be no discharges to surface water or sensitive features.

28. 🔀 Legal boundaries of the site are shown.

Administrative Information

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

WPAP Application TCEQ Form 0584 Attachment A – Factors Affecting Surface Water Quality

The potential factors affecting **construction period surface water quality** from this site are: sediment runoff from disturbed areas, petroleum products runoff from drips from construction equipment, pesticides and fertilizers from landscaping activities, and high pH washwater from concrete and masonry cleanup/washout facilities. Sediment runoff will be significantly reduced during construction by the use of onsite temporary sedimentation basins and perimeter BMPs. The high pH washwater potential will be controlled by requiring the use of appropriately sized, plastic-lined containment areas for concrete and masonry cement washout and cleanup activities. The petroleum and pesticide/fertilizer sources will be minimized by the use of good housekeeping procedures and inspections by trained personnel to ensure that all construction activities follow the procedures of the Storm Water Pollution prevention Plan prepared for the site.

The potential factors affecting **post-construction surface water quality** from this site are: pesticide and fertilizer runoff from vegetated areas, petroleum products runoff from parking areas and drives. Sediment runoff from the site will be significantly reduced by the action of the water quality/detention ponds. Pesticide/fertilizer runoff will be minimized by education of the facility employees or outside landscaping firm relative to acceptable landscaping practices after construction activities are completed.

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: Samuel Knotts, Langan Engineering and Environmental Services

Date: 08/09/2024

Signature of Customer/Agent:

Samuel Knotts

Regulated Entity Name: <u>CHICK-FIL-A BUDA</u>

Project Information

Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

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

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

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

Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.

- Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- Fuels and hazardous substances will not be stored on the site.
- 2. Attachment A Spill Response Actions. A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. Attachment B Potential Sources of Contamination. A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

5. Attachment C - Sequence of Major Activities. A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.

For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.

- For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: <u>Onion Creek</u>

Temporary Best Management Practices (TBMPs)

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

7. X Attachment D – Temporary Best Management Practices and Measures. 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.
	 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.

X There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.

- 11. Attachment H Temporary Sediment Pond(s) Plans and Calculations. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
 - N/A
- 12. Attachment I Inspection and Maintenance for BMPs. A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
- 13. All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
- 14. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
- 15. Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
- 16. 🖂 Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

17. Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices. A schedule of the interim and permanent soil stabilization practices for the site is attached.

- 18. Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 19. Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

- 20. \square 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.

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment A – Spill Response Actions

SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN

1. MATERIALS COVERED

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

- Concrete
- Detergents
- Paints
- Paint Solvents
- Fertilizers
- Soil Stabilization Additives
- Cleaning Solvents
- Petroleum Based Products
- Pesticides
- Acids
- Concrete Additives

2. MATERIAL MANAGEMENT PRACTICES

The following are the material management practice that will be used to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff.

a. Good Housekeeping

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

- i. An effort will be made to store only enough product required to do the job
- ii. All materials stored onsite will be stored in a neat, orderly manner and, if possible, under a roof or other enclosure
- iii. Products will be kept in their original containers with the original manufacturer's label in legible condition
- iv. Substances will not be mixed with one another unless recommended by the manufacturer
- v. Whenever possible, all of a product will be used up before disposing of the container
- vi. Manufacturer's recommendations for proper use and disposal will be followed
- vii. The job site superintendent will be responsible for daily inspections to ensure proper use and disposal of materials
- b. Hazardous Products

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

- i. Products will be kept in original containers with the original labels in legible condition
- ii. Original labels and material safety data sheets (MSDS's) will be procured and used for each material

- iii. If surplus product must be disposed of, manufacturers or local/state/federal recommended methods for proper disposal will be followed
- iv. A spill control and containment kit (containing, for example, absorbent such as kitty litter or sawdust, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site
- v. All of the product in a container will be used before the container is disposed of. All such containers will be triple rinsed with water prior to disposal. The rinse water used in these containers will be disposed of in a manner in compliance with state and federal regulations and will not be allowed to mix with stormwater discharges.
- c. Product Specific Practices
 - i. Petroleum Products

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

ii. Fertilizers

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

iii. Paints, Paint Solvents, and Cleaning Solutions

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

iv. Concrete Trucks

The CGP authorized the land disposal of wash out water from concrete trucks at construction sites that are regulated under the CGP, as long as the discharge is in compliance with the restrictions given in Section 3.02.4.B of this SWPPP. This authorization is limited to the land disposal of wash out water from concrete trucks only. Any other direct discharge of concrete production waste water is not authorized by the CGP and must be authorized under a separate TCEQ General Permit or individual permit.

d. Spill Prevention Practices

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup

- i. Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.
- ii. Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite in spill control and containment kit (containing, for example, absorbent such as kitty litter or sawdust, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.)
- iii. All spills will be cleaned up immediately after discovery
- iv. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances
- v. Spills of toxic or hazardous materials will be reported to the appropriate federal, state, and/or local government agency, regardless of the size of the spill. Spills of amounts that exceed Reportable Quantities of certain substances specifically mentioned in federal regulations (40 CFR 302 list and oil) will be immediately reported to the TCEQ National Response Center, telephone 1-800-832-8224. Reportable Quantities of some substances which may be used at the job site are as follows:
 - Oil appearance of a film or sheen on water
 - Pesticides usually 1 lb
 - Acids 5000 lb
 - Solvents, flammable 100 lb
- vi. The SPCC plan will be adjusted to include measures to prevent this type of spill from recurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included. If the spill exceeds a Reportable Quantity, all federal regulations regarding reports of the incident will be complied with
- vii. The job site superintendent will be the spill prevention and cleanup coordinator. He will designate the individuals who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of these personnel will be posted in the material storage area and in the office trailer onsite.

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment B – Potential Sources of Contamination

The following are the potential pollutants and their sources which may occur at this construction site: offsite vehicle tracking of mud from vehicle traffic through inadequate construction exit, petroleum based products from vehicle/equipment leaks and drips (maintenance and petroleum storage areas will not be allowed on the construction site), pesticide and fertilizers from landscaping activities, and high pH washwater from concrete and masonry cleanup/washout facilities.

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment C – Sequence of Major Activities

Sequence of construction

- 1. All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved by the city and TCEQ prior to implementation. Each step shall be completed before proceeding to the next step, except where noted. Construction may overlap into a subsequence stage as long as all erosion control measures have been installed in the previous stage.
- 2. All blasting activity, if required, shall be done in accordance with the local, state, and federal regulations. Contractor shall notify owner and all regulatory agencies in writing prior and obtain any necessary permits prior to any blasting activities.
- 3. Install rock construction entrance immediately before initial disturbances at site access point, as shown on CE-101. Rock construction entrances shall be underlain by filter fabric as indicated on the detail. All construction activity shall use only this area of ingress and egress. As conditions warrant, these locations may be modified with the prior approval from the city and TCEQ.
- 4. Installation of construction fencing and tree fencing shall be installed prior to any earth disturbance to avoid permanent impacts.
- 5. Install silt fence and perimeter controls as shown on CE-101. Install inlet protection for any existing inlets.
- 6. Water pumped from work areas must be treated for sediment removal prior to discharging to a surface water.
- 7. Limit clearing and grubbing to access the sediment basin areas. All sediment basin areas must be cleared and grubbed first and these erosion control measures installed before the tributary areas to these basins can be cleared and grubbed. If additional fill is necessary for the sediment basin installation, the borrow fill shall be taken from areas immediately upstream of the basin location in order to minimize disturbance. Clear and grub area of proposed disturbed area for each appropriate construction section one at a time.
- 8. Sediment basins shall be installed where permanent pond BMPs are to be constructed. Sediment ponds shall be excavated to the permanent pool elevation for permanent wet ponds. (See Step 7 Areas)
- 9. Sediment basins shall remain functional until all upslope contributing drainage areas are stabilized. Rough grade the site as identified on drawings. As permanent slopes are completed, install erosion control matting on all slopes 3:1 or greater. Install storm sewer conveyance system. The storm drainage system must be installed from downstream point of discharge to upstream points. Advance trench excavation should be limited to the length of the pipe that can be completed in the same day. Install inlet protection per detail provided. Inlet protection is to remain in place until the pavement has received the final wearing course.
- 10. Construct the on-site utilities. Advance trench excavation shall be limited to the length of pipe that can be completed in the same day. On the day following utility installation, the trench area shall be graded to subgrade elevation.
- 11. Place pavement subbase. Construct buildings and associated structures.

- 12. Complete final site grading and landscaping of all appropriate areas. Stabilize with permanent seed and mulch as per TCEQ requirements.
- 13. Construction entrance, silt fence, tree protection fence, inlet protection, silt fence, and sediment basins shall be maintained until all improvements to the site are completed, road areas are paved, and 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated erosion has been establish.
- 14. Once all permanent measures have been installed, clean out accumulated silt from the sediment basin.
- 15. Convert the sediment basins to the proposed water quality wet pond and extended detention basins.
- 16. Remove perimeter and temporary BMPs.

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment D – Temporary Best Management Practices and Measures

The following temporary best management practices will be used on the construction site

Stabilization Practices

- 1. Land clearing activities shall be done only in areas where earthwork will be performed and shall progress as earthwork is needed
- 2. Frequent watering of excavation and fill areas to minimize wind erosion during construction
- 3. Use of stabilization fabric for all slopes having a slope of 3H:1V or greater
- 4. Permanent seeding and planting of all unpaved areas
- For all disturbed areas where construction activities have temporarily or permanently ceased for more than 14 days, stabilization activities shall commence no later than the 14th day after cessation of construction activities or after final grades have been achieved

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment F – Structural Practices

The following structural best management practices will be used on the construction site

- 1. Inlet protection using gravel filled bags and silt fence
- 2. Perimeter protection using silt fencing and/or erosion control logs
- 3. Stabilized construction exit point
- 4. Temporary sediment basin with Faircloth skimmer and emergency overflow weird outlet structures for dewatering
- 5. Temporary concrete washout area
- 6. Use of rock rip rap for velocity dissipation at areas with existing or potential channelized flow

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment G – Drainage Area Map

Refer to Drawings C-6.1 for existing and proposed drainage area maps.

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment I – Inspection and Maintenance for BMPs

Rip Rap Outlet Structures

1. Inspect riprap outlet structures after heavy rains to see if any erosion around or below the riprap has taken place or if stones have been dislodged. Immediately make all needed repairs to prevent further damage.

Stabilized Rock Construction Entrance

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

Silt Fence

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

Inlet Protection

- 1. Inspection should be made weekly and after each rainfall. Repair or replacement should be made promptly as needed by the contractor.
- 2. Remove sediment when buildup reaches a depth of 3 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not erode.
- 3. Check placement of device to prevent gaps between device and curb.
- 4. Inspect filter fabric and patch or replace if torn or missing.
- 5. Structures should be removed and the area stabilized only after the remaining drainage area has been properly stabilized.

Temporary Stormwater Management Practice TCEQ Form 0602 Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

Temporary Vegetation

- 1. Temporary vegetation should be inspected weekly and after each rain event to locate and repair any erosion.
- 2. Erosion from storms or other damage should be repaired as soon as practical by regrading the area and applying new seed.
- 3. If the vegetated cover is less than 80%, the area should be reseeded.

Hydraulic Mulches

- 1. Mulched areas should be inspected weekly and after each rain event to locate and repair any damage.
- 2. Areas damaged by storms or normal construction activities should be regraded and hydraulic mulch reapplied as soon as practical.

Sod

- 1. Sod should be inspected weekly and after each rain event to locate and repair any damage.
- 2. Damage from storms or normal construction activities such as tire ruts or disturbance of swale stabilization should be repaired as soon as practical.

Dust Control

1. When dust is evident during dry weather, reapply dust control BMPs.

Bare Soil

1. Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days.

Permanent Stormwater Section

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: <u>Samuel Knotts, Langan Engineering and Environmental</u> <u>Engineering</u>

Date: 08/09/2024

Signature of Customer/Agent

Canned Knotty

Regulated Entity Name: CHICK-FIL-A BUDA

Permanent Best Management Practices (BMPs)

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

1. Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.



2. These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.

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

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

N/A

3. Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.

🗌 N/A

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

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

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

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

5. The executive director may waive the requirement for other permanent BMPs for 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 A - 20% or Less Impervious Cover Waiver. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.

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

The site will not be used for multi-family residential developments, schools, or small business sites.

6. Attachment B - BMPs for Upgradient Stormwater.

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

11. 🔀	Attachment G - Inspection, Maintenance, Repair and Retrofit Plan. A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:
	 Prepared and certified by the engineer designing the permanent BMPs and measures Signed by the owner or responsible party
	Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
	🖂 A discussion of record keeping procedures
	N/A
12. 🗌 .	Attachment H - Pilot-Scale Field Testing Plan. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
\square	N/A
13. 🗌	Attachment I -Measures for Minimizing Surface Stream Contamination. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused

N/A

degradation.

Responsibility for Maintenance of Permanent BMP(s)

by the regulated activity, which increase erosion that results in water quality

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

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

🗌 N/A

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

N/A

Permanent Stormwater Management Practices TCEQ Form 0600 Attachment B – BMPs for Upgradient Stormwater

No surface water, groundwater or stormwater originates upgradient from the site and flows across the site. The site is bounded by drainage channels to the north and south that convey offsite flow past the site. Refer to Drawings C-6.1 for more details.

Permanent Stormwater Management Practices TCEQ Form 0600 Attachment C – BMPs for On-Site Stormwater

Refer to the included Post Construction Stormwater Management (PCSM) Report for all the required details.

Stabilization practices for this site include:

- 1. Land clearing activities shall be done only in areas where earthwork will be performed and shall progress as earthwork is needed
- 2. Frequent watering of excavation and fill areas to minimize wind erosion during construction
- 3. Permanent seeding and planting of all unpaved areas
- 4. Use of stabilization fabric for all slopes having a slope of 3H:1V or greater
- 5. For all disturbed areas where construction activities have temporarily or permanently ceased for more than 14 days, stabilization activities shall commence no later than the 14th day after cessation of construction activities.

Structure practices for this site include:

- 1. Inlet protection using block and gravel filled bags and silt fence
- 2. Perimeter fencing using silt fencing and/or erosion control logs
- 3. Stabilized construction exit point
- 4. Contractor shall provide sufficient velocity dissipation devices in the form of rock rip rap for velocity dissipation at areas with existing or potential channelized flow.

Permanent BMPs

Jellyfish: A Jellyfish filtration system designed by Contech is proposed to treat the storm water runoff before the runoff enters an existing detention pond. The Jellyfish has been designed in accordance with the TCEQ Edwards Aquifer Compliance Technical Guidance Manual on Best Management Practices.

Permanent Stormwater Management Practices TCEQ Form 0600 Attachment D – BMPs for Surface Streams

Permanent BMPs

Jellyfish: A Jellyfish filtration system designed by Contech is proposed to treat the storm water runoff before the runoff enters an existing detention pond. The Jellyfish has been designed in accordance with the TCEQ Edwards Aquifer Compliance Technical Guidance Manual on Best Management Practices.

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TCEQ WPAP

Permanent Stormwater Management Practices TCEQ Form 0600 Attachment F – Construction Plans

Refer to the provided drawings for all required details.

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TCEQ WPAP

RE: Attachment G – Inspection, Maintenance, Repair, and Retrofit Plan (IMMP)

Contech Jellyfish Filters: See the attached Jellyfish Filter Owner's Manual for Inspection/Maintenance instructions.

Record Keeping

 Inspections of Permanent BMPs shall be documented in inspection reports and recorded. The owner shall prepare a signed, written record of each inspection performed and actions performed as a result of the inspection observations. The owner shall maintain those records in the owner's office for a period of 5 years, and shall upon request make those records available to TCEQ personnel and other agencies with jurisdiction over the site.

> Langan Engineering & Environmental Services 137050 San Pedro Ave, 7th Floor San Antonio, TX 78232 TBPE FIRM REG. #F-13709

annal Knotts

Samuel Knotts, P.E

08/09/2024

Owner Signature

Printed Name

august 1, 20à Date



Jellyfish® Filter Owner's Manual





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Jellyfish Filter	er Inspection and Maintenance Log	
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THANK YOU FOR PURCHASING THE JELLYFISH® FILTER!

Contech Engineered Solutions would like to thank you for selecting the Jellyfish Filter to meet your project's stormwater treatment needs. With proper inspection and maintenance, the Jellyfish Filter is designed to deliver ongoing, high levels of stormwater pollutant removal.

If you have any questions, please feel free to call us or e-mail us:

Contech Engineered Solutions 9025 Centre Pointe Drive, Suite 400 | West Chester, OH 45069 513-645-7000 | 800-338-1122 www.ContechES.com info@conteches.com



WARNINGS / CAUTION

- 1. FALL PROTECTION may be required.
- 2. <u>WATCH YOUR STEP</u> if standing on the Jellyfish Filter Deck at any time; Great care and safety must be taken while walking or maneuvering on the Jellyfish Filter Deck. Attentive care must be taken while standing on the Jellyfish Filter Deck at all times to prevent stepping onto a lid, into or through a cartridge hole or slipping on the deck.
- 3. The Jellyfish Filter Deck can be SLIPPERY WHEN WET.
- 4. If the Top Slab, Covers or Hatches have not yet been installed, or are removed for any reason, great care must be taken to <u>NOT DROP ANYTHING ONTO THE JELLYFISH FILTER DECK</u>. The Jellyfish Filter Deck and Cartridge Receptacle Rings can be damaged under high impact loads. This type of activity voids all warranties. All damaged items to be replaced at owner's expense.
- 5. Maximum deck load 2 persons, total weight 450 lbs.

Safety Notice

Jobsite safety is a topic and practice addressed comprehensively by others. The inclusions here are intended to be reminders to whole areas of Safety Practice that are the responsibility of the Owner(s), Manager(s) and Contractor(s). OSHA and Canadian OSH, and Federal, State/Provincial, and Local Jurisdiction Safety Standards apply on any given site or project. The knowledge and applicability of those responsibilities is the Contractor's responsibility and outside the scope of Contech Engineered Solutions.

Confined Space Entry

Secure all equipment and perform all training to meet applicable local and OSHA regulations regarding confined space entry. It is the Contractor's or entry personnel's responsibility to proceed safely at all times.

Personal Safety Equipment

Contractor is responsible to provide and wear appropriate personal protection equipment as needed including, but not limited to safety boots, hard hat, reflective vest, protective eyewear, gloves and fall protection equipment as necessary. Make sure all equipment is staffed with trained and/or certified personnel, and all equipment is checked for proper operation and safety features prior to use.

- Fall protection equipment
- Eye protection
- Safety boots
- Ear protection
- Gloves
 - Ventilation and respiratory protection
 - Hard hat
 - Maintenance and protection of traffic plan

Chapter 1

1.0 – Owner Specific Jellyfish Filter Product Information

Below you will find a reference page that can be filled out according to your Jellyfish Filter specification to help you easily inspect, maintain and order parts for your system.

Owner Name:	
Phone Number:	
Site Address:	
Site GPS Coordinates/unit location:	
Unit Location Description:	
Jellyfish Filter Model No.:	
Contech Project & Sequence Number	
No. of Hi-Flo Cartridges	
No. of Cartridges:	
Length of Draindown Cartridges:	
No. of Blank Cartridge Lids:	
Bypass Configuration (Online/Offline):	

Notes:

Chapter 2

2.0 – Jellyfish Filter System Operations and Functions

The Jellyfish Filter is an engineered stormwater quality treatment technology that removes a high level and wide variety of stormwater pollutants. Each Jellyfish Filter cartridge consists of eleven membrane - encased filter elements ("filtration tentacles") attached to a cartridge head plate. The filtration tentacles provide a large filtration surface area, resulting in high flow and high pollutant removal capacity.

The Jellyfish Filter functions are depicted in Figure 1 below.



Jellyfish Filter cartridges are backwashed after each peak storm event, which removes accumulated sediment from the membranes. This backwash process extends the service life of the cartridges and increases the time between maintenance events.

For additional details on the operation and pollutant capabilities of the Jellyfish Filter please refer to additional details on our website at <u>www.ContechES.com</u>.

2.1 – Components and Cartridges

The Jellyfish Filter and components are depicted in Figure 2 below.



Tentacles are available in various lengths as depicted in Table 1 below.

Cartridge Lengths	Dry Weight	Hi-Flo Orifice Diameter	Draindown Orifice Diameter
15 inches (381 mm)	10 lbs (4.5 kg)	35 mm	20 mm
27 inches (686 mm)	14.5 lbs (6.6 kg)	45 mm	25 mm
40 inches (1,016 mm)	19.5 lbs (8.9 kg)	55 mm	30 mm
54 inches (1,372 mm)	25 lbs (11.4 kg)	70 mm	35 mm

Table 1 – Cartridge Lengths / Weights and Cartridge Lid Orifice Diameters

2.2 – Jellyfish Membrane Filtration Cartridge Assembly

The Jellyfish Filter utilizes multiple membrane filtration cartridges. Each cartridge consists of removable cylindrical filtration "tentacles" attached to a cartridge head plate. Each filtration tentacle has a threaded pipe nipple and o-ring. To attach, insert the top pipe nipples with the o-ring through the head plate holes and secure with locking nuts. Hex nuts to be hand tightened and checked with a wrench as shown below.

2.3 – Jellyfish Membrane Filtration Cartridge Installation

- Cartridge installation will be performed by trained individuals and coordinated with the installing site Contractor. Flow diversion devices are required to be in place until the site is stabilized (final paving and landscaping in place). Failure to address this step completely will reduce the time between required maintenance.
- Descend to the cartridge deck (see Safety Notice and page 3).
- Refer to Contech's submittal drawings to determine proper quantity and placement of Hi-Flo, Draindown and Blank cartridges with appropriate lids. Lower the Jellyfish membrane filtration cartridges into the cartridge receptacles within the cartridge deck. It is possible that not all cartridge receptacles will be filled with a filter cartridge. In that case, a blank headplate and blank cartridge lid (no orifice) would be installed.



Cartridge Assembly

Do not force the tentacles down into the cartridge receptacle, as this may damage the membranes. Apply downward pressure on the cartridge head plate to seat the lubricated rim gasket (thick circular gasket surrounding the circumference of the head plate) into the cartridge receptacle. (See Figure 3 for details on approved lubricants for use with rim gasket.)

- Examine the cartridge lids to differentiate lids with a small orifice, a large orifice, and no orifice.
 - Lids with a <u>small orifice</u> are to be inserted into the <u>Draindown cartridge receptacles</u>, outside of the backwash pool weir.
 - Lids with a large orifice are to be inserted into the <u>Hi-Flo cartridge receptacles</u> within the backwash pool weir.
 - Lids with <u>no orifice</u> (blank cartridge lids) and a <u>blank headplate</u> are to be inserted into unoccupied cartridge receptacles.
- To install a cartridge lid, align both cartridge lid male threads with the cartridge receptacle female threads before rotating approximately 1/3 of a full rotation until firmly seated. Use of an approved rim gasket lubricant may facilitate installation.

3.0 Inspection and Maintenance Overview

The primary purpose of the Jellyfish® Filter is to capture and remove pollutants from stormwater runoff. As with any filtration system, these pollutants must be removed to maintain the filter's maximum treatment performance. Regular inspection and maintenance are required to insure proper functioning of the system. Maintenance frequencies and requirements are site specific and vary depending on pollutant loading. Additional maintenance activities may be required in the event of non-storm event runoff, such as base-flow or seasonal flow, an upstream chemical spill or due to excessive sediment loading from site erosion or extreme runoff events. It is a good practice to inspect the system after major storm events.

Inspection activities are typically conducted from surface observations and include:

- Observe if standing water is present
- Observe if there is any physical damage to the deck or cartridge lids
- Observe the amount of debris in the Maintenance Access Wall (MAW) or inlet bay for vault systems

Maintenance activities include:

- Removal of oil, floatable trash and debris
- Removal of collected sediments
- Rinsing and re-installing the filter cartridges
- Replace filter cartridge tentacles, as needed

4.0 Inspection Timing

Inspection of the Jellyfish Filter is key in determining the maintenance requirements for, and to develop a history of, the site's pollutant loading characteristics. In general, inspections should be performed at the times indicated below; or per the approved project stormwater quality documents (if applicable), whichever is more frequent.



Note: Separator Skirt not shown

- 1. A minimum of quarterly inspections during the first year of operation to assess the sediment and floatable pollutant accumulation, and to ensure proper functioning of the system.
- 2. Inspection frequency in subsequent years is based on the inspection and maintenance plan developed in the first year of operation. Minimum frequency should be once per year.
- 3. Inspection is recommended after each major storm event.
- 4. Inspection is required immediately after an upstream oil, fuel or other chemical spill.

5.0 Inspection Procedure

The following procedure is recommended when performing inspections:

- 1. Provide traffic control measures as necessary.
- 2. Inspect the MAW or inlet bay for floatable pollutants such as trash, debris, and oil sheen.
- 3. Measure oil and sediment depth in several locations, by lowering a sediment probe until contact is made with the floor of the structure. Record sediment depth, and presences of any oil layers.
- 4. Inspect cartridge lids. Missing or damaged cartridge lids to be replaced.
- 5. Inspect the MAW (where appropriate), cartridge deck and receptacles, and backwash pool weir, for damaged or broken components.

5.1 Dry weather inspections

- Inspect the cartridge deck for standing water, and/or sediment on the deck.
- No standing water under normal operating conditions.
- Standing water inside the backwash pool, but not outside the backwash pool indicates, that the filter cartridges need to be rinsed.



Inspection Utilizing Sediment Probe

- Standing water outside the backwash pool is not anticipated and may indicate a backwater condition caused by high water elevation in the receiving water body, or possibly a blockage in downstream infrastructure.
- Any appreciable sediment (≥1/16") accumulated on the deck surface should be removed.

5.2 Wet weather inspections

- Observe the rate and movement of water in the unit. Note the depth of water above deck elevation within the MAW or inlet bay.
- Less than 6 inches, flow should be exiting the cartridge lids of each of the draindown cartridges (i.e. cartridges located outside the backwash pool).
- Greater than 6 inches, flow should be exiting the cartridge lids of each of the draindown cartridges and each of the hi-flo cartridges (i.e. cartridges located inside the backwash pool), and water should be overflowing the backwash pool weir.
- 18 inches or greater and relatively little flow is exiting the cartridge lids and outlet pipe, this condition indicates that the filter cartridges need to be rinsed.

6.0 Maintenance Requirements

Required maintenance for the Jellyfish Filter is based upon results of the most recent inspection, historical maintenance records, or the site specific water quality management plan; whichever is more frequent. In general, maintenance requires some combination of the following:

- 1. Sediment removal for depths reaching 12 inches or greater, or within 3 years of the most recent sediment cleaning, whichever occurs sooner.
- 2. Floatable trash, debris, and oil removal.
- 3. Deck cleaned and free from sediment.
- 4. Filter cartridges rinsed and re-installed as required by the most recent inspection results, or within 12 months of the most recent filter rinsing, whichever occurs sooner.
- 5. Replace tentacles if rinsing does not restore adequate hydraulic capacity, remove accumulated sediment, or if damaged or missing. It is recommended that tentacles should remain in service no longer than 5 years before replacement.
- 6. Damaged or missing cartridge deck components must be repaired or replaced as indicated by results of the most recent inspection.
- 7. The unit must be cleaned out and filter cartridges inspected immediately after an upstream oil, fuel, or chemical spill. Filter cartridge tentacles should be replaced if damaged or compromised by the spill.

7.0 Maintenance Procedure

The following procedures are recommended when maintaining the Jellyfish Filter:

- 1. Provide traffic control measures as necessary.
- 2. Open all covers and hatches. Use ventilation equipment as required, according to confined space entry procedures. *Caution: Dropping objects onto the cartridge deck may cause damage*.
- 3. Perform Inspection Procedure prior to maintenance activity.

- 4. To access the cartridge deck for filter cartridge service, descend into the structure and step directly onto the deck. Caution: Do not step onto the maintenance access wall (MAW) or backwash pool weir, as damage may result. Note that the cartridge deck may be slippery.
- 5. Maximum weight of maintenance crew and equipment on the cartridge deck not to exceed 450 lbs.

7.1 Filter Cartridge Removal

- 1. Remove a cartridge lid.
- 2. Remove cartridges from the deck using the lifting loops in the cartridge head plate. Rope or a lifting device (available from Contech) should be used. *Caution: Should a snag occur, do not force the cartridge upward as damage to the tentacles may result. Wet cartridges typically weigh between 100 and 125 lbs.*
- 3. Replace and secure the cartridge lid on the exposed empty receptacle as a safety precaution. Contech does not recommend exposing more than one empty cartridge receptacle at a time.

7.2 Filter Cartridge Rinsing

- 1. Remove all 11 tentacles from the cartridge head plate. Take care not to lose or damage the O-ring seal as well as the plastic threaded nut and connector.
- 2. Position tentacles in a container (or over the MAW), with the



threaded connector (open end) facing down, so rinse water is flushed through the membrane and captured in the container.

3. Using the Jellyfish rinse tool (available from Contech) or a low-pressure garden hose sprayer, direct water spray onto the tentacle membrane, sweeping from top to bottom along the length of the tentacle. Rinse until all sediment is removed from the membrane. *Caution: Do not use a high pressure sprayer or focused stream of water on the membrane. Excessive water pressure may damage the membrane*.

5. Reassemble cartridges as detailed later in this document. Reuse O-rings and nuts, ensuring proper placement on each tentacle.

7.3 Sediment and Flotables Extraction

- 1. Perform vacuum cleaning of the Jellyfish Filter only after filter cartridges have been removed from the system. Access the lower chamber for vacuum cleaning only through the maintenance access wall (MAW) opening. Be careful not to damage the flexible plastic separator skirt that is attached to the underside of the deck on manhole systems. Do not lower the vacuum wand through a cartridge receptacle, as damage to the receptacle will result.
- 2. Vacuum floatable trash, debris, and oil, from the MAW opening or inlet bay. Alternatively, floatable solids may be removed by a net or skimmer.
- 3. Pressure wash cartridge deck and receptacles to remove all



Rinsing Cartridge with Contech Rinse Tool

sediment and debris. Sediment should be rinsed into the sump area. Take care not to flush rinse water into the outlet pipe.

- 4. Remove water from the sump area. Vacuum or pump equipment should only be introduced through the MAW or inlet bay.
- 5. Remove the sediment from the bottom of the unit through the MAW or inlet bay opening.
- 6. For larger diameter Jellyfish Filter manholes (\geq 8-ft) and some



Vacuuming Sump Through MAW

vaults complete sediment removal may be facilitated by removing a cartridge lid from an empty receptacle and inserting a jetting wand (not a vacuum wand) through the receptacle. Use the sprayer to rinse loosened sediment toward the vacuum hose in the MAW opening, being careful not to damage the receptacle.

7.4 Filter Cartridge Reinstallation and Replacement

- 1. Cartridges should be installed after the deck has been cleaned. It is important that the receptacle surfaces be free from grit and debris.
- 2. Remove cartridge lid from deck and carefully lower the filter cartridge into the receptacle until head plate gasket is seated squarely in receptacle. *Caution: Do not force the cartridge downward; damage may occur.*
- 3. Replace the cartridge lid and check to see that both male threads are properly seated before rotating approximately 1/3 of a full rotation until firmly seated. Use of an approved rim gasket lubricant may facilitate installation. See next page for additional details.
- 4. If rinsing is ineffective in removing sediment from the tentacles, or if tentacles are damaged, provisions must be made to replace the spent or damaged tentacles with new tentacles. Contact Contech to order replacement tentacles.

7.5 Chemical Spills

Caution: If a chemical spill has been captured, do not attempt maintenance. Immediately contact the local hazard response agency and contact Contech.

7.6 Material Disposal

The accumulated sediment found in stormwater treatment and conveyance systems must be handled and disposed of in accordance with regulatory protocols. It is possible for sediments to contain measurable concentrations of heavy metals and organic chemicals (such as pesticides and petroleum products). Areas with the greatest potential for high pollutant loading include industrial areas and heavily traveled roads. Sediments and water must be disposed of in accordance with all applicable waste disposal regulations. When scheduling maintenance, consideration must be made for the disposal of solid and liquid wastes. This typically requires coordination with a local landfill for solid waste disposal. For liquid waste disposal a number of options are available including a municipal vacuum truck decant facility, local waste water treatment plant or on-site treatment and discharge.

Jellyfish Filter Components & Filter Cartridge Assembly and Installation





DESCRIPTION			
JF HEAD PLATE			
JF TENTACLE			
JF O-RING			
JF HEAD PLATE			
GASKET			
JF CARTRIDGE EYELET			
JF 14IN COVER			
JF RECEPTACLE			
BUTTON HEAD CAP			
SCREW M6X14MM SS			
JF CARTRIDGE NUT			

TABLE 2: APPROVED GASKET LUBRICANTS

PART NO.	MFR	DESCRIPTION
78713	LA-CO	LUBRI-JOINT
40501	HERCULES	DUCK BUTTER
30600	OATEY	PIPE LUBRICANT
PSLUBXL1Q	PROSELECT	PIPE JOINT LUBRICANT

NOTES:

Head Plate Gasket Installation:

Install Head Plate Gasket (Item 4) onto the Head Plate (Item 1) and liberally apply a lubricant from Table 2: Approved Gasket Lubricants onto the gasket where it contacts the Receptacle (Item 7) and Cartridge Lid (Item 6). Follow Lubricant manufacturer's instructions.

Lid Assembly:

Rotate Cartridge Lid counter-clockwise until both male threads drop down and properly seat. Then rotate Cartridge Lid clock-wise approximately one-third of a full rotation until Cartridge Lid is firmly secured, creating a watertight seal.

Jellyfish Filter Inspection and Maintenance Log

Owner:			Jellyfish Model No.:			_	
Location:			GPS Coordinates:			-	
Land Use: Commercial: Industrial:		Industrial:	Service Station:				
	Road/Highway:	Airport:	Resid	lential:	Parking Lo	ot:	
[
Date/Time:							
Inspector:							
Maintenance	e Contractor:						
Visible Oil Pre	esent: (Y/N)						
Oil Quantity F	Removed						
Floatable Deb	oris Present: (Y/N)						
Floatable Deb	oris removed: (Y/N)						
Water Depth	in Backwash Pool						
Cartridges ex	ternally rinsed/re-commissic	oned: (Y/N)					
New tentacle	es put on Cartridges: (Y/N)						
Sediment Dep	pth Measured: (Y/N)						
Sediment Dep	pth (inches or mm):						
Sediment Rer	moved: (Y/N)						
Cartridge Lids	s intact: (Y/N)						
Observed Dar	mage:						
Comments:							

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

]	Mr. John Toic	
<u></u>	Print Name	
	President	
	Title - Owner/President/Other	
of	First GL Buda, LLC	
	Corporation/Farmersmp/Entity Name	
have authorized	Samuel Knotts	
	Print Name of Agent/Engineer	
of	Langan	
	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

THE STATE OF § § County of 1

BEFORE ME, the undersigned authority, on this day personally appeared <u>on / or c</u>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 _/ day of NOTARY PUBLIC Typed or Printed Name of Notary SUSAN K. WRIGHT Notary Public, State of Connecticut MY COMMISSION EXPIRES My Commission Expires Aug. 31, 2026

Application Fee Form

Texas Commission on Environmental Quality				
Regulated Entity Location: SW of F	M 967 and FM 1626 Bi	uda Texas		
Name of Customer: First GL Buda	. LLC			
Contact Person: Samuel Knotts	Phor	ne: 574-581-0699		
Customer Reference Number (if is	sued):CN 605522234	<u></u>		
Regulated Entity Reference Numb	per (if issued):RN <u>11037</u>	<u>/5433</u>		
Austin Regional Office (3373)	· · · ·			
Havs	Williamson			
Travis				
San Antonio Regional Office (336	2)			
Bexar	🗌 Medina	U\	valde	
Comal	Kinney			
Application fees must be paid by	check, certified check, o	or money order, payab	ole to the Texas	
Commission on Environmental Q	uality. Your canceled o	check will serve as you	r receipt. This	
form must be submitted with yo	ur fee payment . This p	ayment is being subm	itted to:	
Austin Regional Office	<u> </u>	an Antonio Regional C	Office	
Mailed to: TCEQ - Cashier		Overnight Delivery to: 1	FCEQ - Cashier	
Revenues Section 12100 Park 35 Circle				
Mail Code 214	E	Building A, 3rd Floor		
P.O. Box 13088	A	Austin, TX 78753		
Austin, TX 78711-3088	(512)239-0357		
Site Location (Check All That App	ly):			
Recharge Zone	Contributing Zone	Transi	tion Zone	
Type of Pla	n	Size	Fee Due	
Water Pollution Abatement Plan,	Contributing Zone			
Plan: One Single Family Residentia	Acres	\$		
Water Pollution Abatement Plan, Contributing Zone				
Plan: Multiple Single Family Residential and Parks Acres \$			\$	
Water Pollution Abatement Plan, Contributing Zone				
Plan: Non-residential	2.4 Acres	4,000		
Sewage Collection System	L.F.	\$		
Lift Stations without sewer lines	Acres	\$ ¢		
Dining System(c)(colu)	l anks	ې د		
Figure System(s)(Only)		Each	ې د	
Exception	Each	ې ۲		

Type of Plan	Size	Fee Due
Extension of Time	Each	\$

Signature: <u>Samuel Knott</u>

Date: 8/9/2024

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150



TCEQ Core Data Form

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

SECTION I: General Information

	10 001	er ur imior n	interon											
1. Reason fo	r Submis	sion (If other is a	hecked pleas	se desc	ribe in s	space	provide	əd.)						
New Per	mit, Regis	tration or Author	ization (Core	Data F	orm sho	ould be	subm	itted w	ith the p	program app	licatior	n.)		
Renewal (Core Data Form should be submitted with the renewal form)						Other Modification								
2. Customer	Referenc	e Number <i>(if is</i> s	sued)	Follo	w this lin	ik to se	arch	3. Re	gulated	d Entity Refe	erence	Number (i	if issued)	
CN 6031	45905			for Cl	<u>N or RN</u> entral Re	numbe egistry*	<u>ers in</u> *-	RN	1117	04615				
ECTION	II: Cu	stomer Info	ormation											
4. General Cu	ustomer I	nformation	5. Effective	e Date	for Cus	stome	r Infor	matior	n Updat	t es (mm/dd/y	/ууу)			
New Cust	omer Legal Nai	me (Verifiable wit	h the Texas S	Update Secreta	e to Cus iry of Sta	stomer ate or	Inform Texas	nation Comp	troller o	f Public Acco	nge in F ounts)	Regulated E	Entity Ownership)
The Custor	mer Nar	ne submitted	here may	be up	dated	auto	matic	cally	based	on what i	is cur	rent and	active with t	he
Texas Sec	retary o	f State (SOS)	or Texas C	Comp	troller	of P	ublic	Acco	unts ((CPA).				
6. Customer	Legal Nai	me (If an individua	l, print last narr	ne first: (eg: Doe,	John)		<u>If</u>	new Cu	istomer, ente	r previo	ous Custome	er below:	
FIRST GL	. BUDA	LLC												
7. TX SOS/CI	PA Filing	Number	8. TX State	e Tax II	D (11 digit	ts)		9. Federal Tax ID (9 digits) 10. DUNS Number (if applic				icable)		
080211083	36		3205579	9376			4	47-2467786						
11. Type of C	ustomer:	Corporat	ion			Individ	lual		Pa	artnership: 🗆	Genera	al 🗌 Limited		
Government:	🗌 City 🔲	County 🗌 Federal [State 🗌 Othe	er		Sole F	Propriet	torship		Other:				
12. Number of	of Employ	ees			-			1	3. Inde	pendently C	wned	and Opera	ted?	
0-20	21-100	🛛 101-250	251-500] 501 ar	nd high	ner		∐ Yes		No			
14. Custome	r Role (Pr	oposed or Actual) -	- as it relates to	o the Re	gulated	Entity I	isted or	n this fo	rm. Plea	nse check one	of the f	following		
⊠Owner		🗌 Opera	tor		0	wner 8	opera	ator						
	nal Licens	ee 🗌 Respo	onsible Party		🗌 Va	oluntar	y Clea	nup Ap	oplicant	Othe	er:			
	149 C	olonial Road												
15. Mailing														
Audi 633.	City	Manchester		5	State	CT		ZIP	060	42		ZIP + 4	1270	
16. Country I	Mailing In	formation (if outs	ide USA)			1	17. E	-Mail	Addres	S (if applicable)		1	
,			,				jbel	lock	@first	thartford.	com			
18. Telephon	e Numbe	r		19. E	Extensio	on or (Code		<u> </u>	20. Fax N	umber	r (if applicat	ole)	
(860)64	6-6555									()	-			

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)

 New Regulated Entity
 Substantiation

 New Regulated Entity
 Substantiation

 Substantiation

 Substantiation

 Substantiation

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

CHICK-FIL-A BUDA

	149 Co	lonial Road										
23. Street Address of the Regulated Entity:												
(No PO Boxes)	City	Mancheste	r State	C	Т	ZIP	1	6042		ZIP +	4	1270
24. County	Hartford											
	E	Enter Physical Lo	ocation Descri	ption if	no str	reet a	ddress	s is provi	ded.			
25. Description to Physical Location:	SWC OF FM 967 AND FM 1626											
26. Nearest City								State			Nea	rest ZIP Code
BUDA								ΤХ			786	510
27. Latitude (N) In Decim	nal:	30.096342			28. L	ongit	ude (V	V) In Dec	imal:	-97.87	684	41
Degrees	Minutes		Seconds		Degre	es		M	inutes		_	Seconds
29. Primary SIC Code (4	digits) 30.	Secondary SIC	Code (4 digits)	31. (5 c	Prima	i ry NA s)	ICS C	ode	32. S (5 or 6	econdary digits)	NAI	CS Code
1540				53	1120							
33. What is the Primary	Business c	of this entity?	Do not repeat the	SIC or NA	ICS des	cription	.)		I			
To own and lease the	ne propei	ty in Buda T	X									
					149 C	olonia	al Roa	d				
34. Mailing												
Address:	City	Manchester	State		СТ	Z	ZIP	6	042	ZIP -	- 4	1270
35. E-Mail Address:				jł	bellock	(@firs	thartf	ord.com				I
36. Telepho	phone Number 37. Extension or Code 38. Fax Number (<i>if applicable</i>)					cable)						
(830) 6	830) 646-6555 () -											
39. TCEQ Programs and ID form. See the Core Data Form i	Numbers	Check all Programs or additional guidan	s and write in the ice.	permits/	registra	ation nu	umbers	that will be	e affected	by the upd	ates	submitted on this
Dam Safety	Distric	ts	Edwards A	Aquifer		Emissions Inventory Air			ory Air	Industrial Hazardous Waste		
Municipal Solid Waste	New S	Source Review Air	OSSF				Petrole	um Storag	e Tank		3	

SECTION IV: Preparer Information

Storm Water

U Waste Water

40. Name:	Samuel Kn	otts		41. Title:	Sr Project Manager
42. Tele	phone Number	43. Ext./Code	44. Fax Number	45. E-Mail	Address
(210)	594-2450		(210) 594-2451	sknotts@	langan.com

Wastewater Agriculture

Tires

U Water Rights

Used Oil

Other:

Title V Air

SECTION V: Authorized Signature

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

Company:	Langan Engineering and Environmental Services	Senior P	or Project Manager			
Name (In Print):	Samuel Knotts	Phone:	(210) 594- 2450			
Signature:	and Knitty			Date:	08/09/2024	

Sludge

Voluntary Cleanup

1. OBTAIN GRADING PERMIT.	
2. INSTALL ALL EROSION CONTROL MEASURES AND DEVICES THAT CAN BE INSTALLED PRIOR TO SITE CLEARING.	
3. CLEAR SITE.	
 INSTALL ANY REMAINING CONTROL MEASURES AND DEVICES THAT COULD NOT BE INSTALLED PRIOR TO SITE CLEARING. 	
5. GRADE SITE.	
6. INSTALL ALL UNDERGROUND UTILITIES. INSTALL EROSION CONTROL AROUND CATCH BASINS AND INLETS.	
7. INSTALL PAVEMENT.	
8. INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED OFFSITE & ONSITE AREAS HAVE BEEN HYDROMULCHED OR SODDED (IN ACCORDANCE WITH THE LANDSCAPE PLAN) AND A MOWABLE STAND OF GRASS IS ACHIEVED.	
DEMOLITION NOTES	
CONTRACTOR TO NOTIFY AFFECTED UTILITY COMPANIES AND OBTAIN APPROVAL BEFORE STARTING WORK.	
2. CONTRACTOR TO REMOVE VEGETATION, IMPROVEMENTS, OR OBSTRUCTIONS INTERFERING WITH INSTALLATION OF NEW CONSTRUCTION.	
3. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED OR IN USE WITHOUT PRIOR WRITTEN APPROVAL FROM ARCHITECT. CONTRACTOR TO ENSURE TEMPORARY UTILITY SERVICES ARE OPERATIONAL BEFORE INTERRUPTION OF EXISTING SERVICES.	
4. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL BE FAMILIAR WITH CONTRACT DOCUMENTS, SPECIFICATIONS, CONSTRUCTION PLANS, ALL NOTES, CITY OF AUSTIN STANDARDS, AND ANY OTHER SPECIFICATIONS APPLICABLE TO THE PROPER COMPLETION OF THIS PROJECT.	
5. THE CONTRACTOR SHALL HAVE IN HIS POSSESSION, PRIOR TO ANY DEMOLITION OR CONSTRUCTION, ALL NECESSARY PERMITS AND LICENSES. CONTRACTOR SHALL HAVE AT LEAST ONE SET OF APPROVED ENGINEERING PLANS AND SPECIFICATIONS ON SITE AT ALL TIMES	
6 ALL WORK SHALL CONFORM TO CITY OF ALISTIN SPECIFICATIONS STANDARDS AND DETAILS	
7. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING EXISTING UTILITIES AND IMPROVEMENTS PRIOR TO	
CONSTRUCTION. 8. BARRICADING, TRAFFIC CONTROL, AND PROJECT SIGNS SHALL CONFORM TO "MANUAL OF UNIFORM TRAFFIC CONTROL	
DEVICES", AS CORRECTLY AMENDED, AND CITY OF AUSTIN STANDARDS. 9. ALL DEMOLITION AND EXCAVATED MATERIALS SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR TOP	
SOIL SHALL BE STOCK PILED AT THE SITE FOR USE IN LANDSCAPED AREAS.	
TU. CONTRACTOR TO COORDINATE WALL FRANCHISE & CITY UTILITY COMPANIES PRIOR TO REMOVAL OF ANY EXISTING FACILITIES.	
11. ALL PAVEMENT REMOVAL ADJACENT TO EXISTING PAVEMENT TO BE REMOVED BY FULL DEPTH SAWCUT.	
12. PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE & BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING FACILITIES, TREES AND UTILITIES LOCATED WITHIN PROJECT.	
 THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION). 	
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN'S ENVIRONMENTAL CRITERIA MANUAL AS ADOPTED BY THE CITY OF BUDA.	
3. IF TREES DO NOT EXIST WITHIN THE PROJECT LIMITS, TREE PROTECTION WILL NOT BE REQUIRED.	
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CONTRACTOR, DESIGN	
ENGINEER/PERMIT APPLICANT AND INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE CONTRACTOR SHALL NOTIFY THE CITY OF BUDA ENGINEERING DEPARTMENT, 312-0084, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE.	
5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE PLAN MAY BE REQUIRED BY THE	
INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.	
6. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR THE MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT	
CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHED SIX (6) INCHES.	
1. ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW A MINIMUM OF FOUR INCHES OF	
TOPSOIL SHALL BE PLACED IN ALL DRAINAGE CHANNELS (EXCEPT ROCK) AND BETWEEN THE CURB AND RIGHT-OF-WAY LINE.	
 THE SEEDING FOR PERMANENT EROSION CONTROL SHALL BE AS SPECIFIED IN THE CITY OF AUSTIN STANDARD SPECIFICATION 604S, AS ADOPTED BY THE CITY OF BUDA. 	
DUST CONTROL:	
 DUST CONTROL METHODS ARE REQUIRED AS PER CITY OF AUSTIN'S ENVIRONMENTAL CRITERIA MANUAL SECTION 1.4.5.D AS ADOPTED BY THE CITY OF BUDA. <u>SITE NOTES</u> 	
1. ALL ON-SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT CHICK-FIL-A SPECIFICATIONS AND/OR CITY STANDARD SPECIFICATIONS, WHICHEVER IS MORE RESTRICTIVE	
2. ALL CONSTRUCTION IN CITY RIGHT-OF-WAYS AND/OR EASEMENT SHALL BE IN ACCORDANCE WITH THE CITY'S	
STANDARD SPECIFICATIONS.	
3. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS AS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.	
4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT.	
5. IF CONTRACTOR FINDS A DISCREPANCY WITH THE TOPOGRAPHIC INFORMATION ON THESE PLANS, HE/SHE SHALL CONTACT THE CONSTRUCTION MANAGER/SUPERVISOR IMMEDIATELY.	
6. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, BRICK, OR AS OTHERWISE NOTED.	
1. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.	

ADING NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND CITY STANDARDS AND SPECIFICATIONS.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

BARRICADING, TRAFFIC CONTROL, AND PROJECT SIGN SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

HE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES. MINOR ADJUSTMENT TO FINISH GRADE TO ACCOMPLISH SPOT DRAINAGE IS ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF THE ENGINEER. PAVING INSTALLED SHALL "FLUSH OUT" AT ANY JUNCTURE WITH EXISTING PAVING.

ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.

REFER TO SITE PLAN FOR HORIZONTAL DIMENSIONS.

E PREPARATION AND GRADING, FOUNDATION EXCAVATION AND FILL COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY GILES ENGINEERING ASSOCIATES, INC. DATED 05/26/2023 (PROJECT NO. 4G-2301005).

THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION.

GRATE INLETS TO BE PRECAST, SINGLE GRATE INLET MANUFACTURED BY BROOKS PRODUCTS INC. (1-817-467-2783) WITH FRAFFIC BEARING GRATE, OR APPROVED EQUAL.

CONTRACTOR TO ENSURE GRADES IN ACCESSIBLE ROUTE DO NOT EXCEED 5% IN THE RUN DIRECTION W/A 2% CROSS SLOPE.

UNLESS OTHERWISE NOTED, ALL PARKING LOT GRADES ARE TO GUTTER OR INVERT. ADD 0.5' TO GUTTER GRADE FOR TOP OF CURB GRADE.

TY OF BUDA GENERAL CONSTRUCTION NOTES

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF BUDA MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

THESE PLANS, PREPARED BY THE CITY OF BUDA DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE REGISTERED ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY OR HEREAFTER BE INCORPORATED INTO THESE PLANS.

CONTRACTOR SHALL CONTACT THE CITY CONSTRUCTION INSPECTOR (512-523-0070) A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF BLOCKING TRAFFIC LANES AND A MINIMUM OF SIX WORKING DAYS IN ADVANCE OF SCHEDULED DETOURING OF TRAFFIC LANES.

CONTRACTOR TO GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR TO ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK. REQUIRED PERMITS THAT CAN BE ISSUED TO CONTRACTOR TO BE OBTAINED AT HIS EXPENSE.

CONTRACTOR TO COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.

CONTRACTOR TO LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS, AND PROJECT ENGINEERING REFERENCE POINT, REESTABLISH DISTURBED OR DESTROYED ITEMS BY REGISTERED PUBLIC LAND SURVEYOR IN THE STATE OF TEXAS, AT NO ADDITIONAL COST TO OWNER.

CONTRACTOR TO CONTROL DUST CAUSED BY THE WORK AND COMPLY WITH POLLUTION CONTROL REGULATIONS OF GOVERNING AUTHORITIES. DUST CONTROL SHALL BE ACHIEVED BY THE APPLICATION OF WATER BY AN APPROVED SPRINKLER IN AMOUNTS SUFFICIENT TO CONTROL THE DUST TO THE SATISFACTION OF THE ENGINEER (NO SEPARATE PAY).

BURNING IS NOT ALLOWED ON THIS PROJECT.

DEMOLITION PERMITS (IF NEEDED) ARE TO BE OBTAINED BY THE CONTRACTOR.

ACQUISITION OF RIGHT OF WAY AND/OR EASEMENT IS THE RESPONSIBILITY OF THE CITY OF BUDA.

THE CONTRACTOR IS TO OBTAIN PERMIT PRIOR TO PERFORMING ANY WORK IN THE PUBLIC RIGHT-OF-WAY.

CONTRACTOR SHALL REPAIR ALL STREET CROSSINGS, DRIVEWAYS AND DITCHES TO THEIR ORIGINAL CONDITION OR BETTER. STREET CROSSINGS SHALL BE REPAIRED WITHIN 10 WORKING DAYS AFTER CROSSING IS MADE. UNLESS PRIOR APPROVAL IS OBTAINED TO THE CONTRARY.

ALL DAMAGE CAUSED DIRECTLY OR INDIRECTLY TO THE STREET SURFACE OR SUBSURFACE OUTSIDE OF THE PAVEMENT CUT AREA SHALL BE REGARDED AS PART OF THE STREET CUT REPAIR. THIS INCLUDES ANY SCRAPES, GOUGES, CUTS, CRACKING, DEPRESSIONS AND/OR ANY OTHER DAMAGE CAUSED BY THE CONTRACTOR DURING THE EXECUTION OF THE WORK. THESE AREAS WILL BE INCLUDED IN THE TOTAL AREA OF REPAIR. THE AREAS OF REPAIR SHALL BE SAW CUT IN STRAIGHT, NEAT LINES PARALLEL TO THE UTILITY TRENCH. ALL REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL MEET ALL CITY TESTING REQUIREMENTS AND SPECIFICATIONS.

ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATION OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. (OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENTS PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 EAST 6TH STREET, AUSTIN, TX.)

ALL SITE WORK MUST ALSO COMPLY WITH ENVIRONMENTAL REQUIREMENTS.

THROUGHOUT THE CONSTRUCTION, AND AT THE COMPLETION OF THE CONSTRUCTION, THE CONTRACTOR IS TO ENSURE THAT DRAINAGE OF STORM WATER RUNOFF IS NOT BLOCKED.

ALL EXCESS EXCAVATED MATERIAL AND SOIL IS TO BECOME PROPERTY OF CONTRACTOR AND TO BE REMOVED FROM SITE. (NO SEPARATE PAY.)

ALL CULVERTS REMOVED FROM CONSTRUCTION SHALL BE REPLACED TO ORIGINAL GRADE; ROAD DITCH SHALL BE GRADED TO PROVIDE FOR AN EVEN GRADE AND SECTION BETWEEN EXISTING CULVERTS. ALL CULVERTS SHALL BE CLEAN AND FREE OF DEBRIS DURING AND AFTER CONSTRUCTION.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE CITY OF BUDA AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS AND TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO PRIVATE PROPERTY, WHICH OCCURRED AS A RESULT OF ANY PORTION OF THIS PROJECT. ANY DAMAGE TO PRIVATE PROPERTY SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION. THE CONTRACTOR SHALL COORDINATE ALL REPAIRS TO PRIVATE PROPERTY WITH THE PROPERTY OWNER. CONTRACTOR SHALL PAY AND/OR SETTLE WITH PRIVATE PROPERTY OWNER FOR ALL COSTS RELATED TO ANY DAMAGE THE CITY OF BUDA WILL NOT PROVIDE SEPARATE PAY FOR REPAIR OF ANY DAMAGES, REIMBURSEMENTS OR SETTLEMENTS.

PAVING NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND THE CITY STANDARDS AND SPECIFICATIONS.

- PHASE WILL HAVE NO BEARING ON THE DECISION.

ALL FIRE LANES SHALL BE STRIPED ACCORDING TO CITY REQUIREMENTS.

CITY OF BUDA UTILITY CONSTRUCTION NOTES:

DO THIS WORK.

- RIGHT-OF-WAY OF A PUBLIC STREET OR ALLEY.

- FLYNT ALUMINUM OR EQUAL.
- OR AT THE PRESSURE SHOWN ON THE APPROVED PLANS.
- VALVE TO METER.
- ADVANCE.
- AND INSIGNIA FOR THE CITY OF BUDA.
- WORK.

- LINE INCLUDING THE RISER INTO THE BUILDING.
- BUDA FIRE DEPARTMENT NOTES:

SHEET 2 OF 39 SITE PLAN APPROVAL APPLICATION DATE: <u>11/20/2023</u> FILE NUMBER <u>2023–754</u> APPROVED BY COMMISSION ON N/A UNDER THE CITY OF BUDA UNIFIED DEVELOPMENT CODE. EXPIRATION DATE: _____ CASE MANAGER: <u>A. HERNANDEZ</u>

Rev.

2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR THE CITY OF AUSTIN, AND ANY SPECIAL PROVISION AS APPROVED BY THE CITY.

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND DOCUMENTS APPROVED BY THE PERMITTING AGENCIES.

4. DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS CONSTRUCTION AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER MUST BE APPROVED BY THE CITY ENGINEER OR THEIR DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING

5. ONSITE PAVEMENT SHALL BE 5", 6" & 7" THICK AS SHOWN ON PLANS, 4,000 PSI REINFORCED CONCRETE W/ #3 BARS @ 18" (FOR 5" & 6") & 14" (FOR 7") O.C.E.W. ON AN 8" THICK SUBGRADE. REFER TO GEOTECHNICAL REPORT BY GILES ENGINEERING ASSOCIATES, INC. DATED 05/26/2023 (PROJECT NO. 4G-2301005).

6. THE ON-SITE SUBGRADE SHALL BE PROOFROLLED, SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED TO AT LEAST 100 PERCENT OF MAXIMUM DRY DENSITY (ASTM D698) AND AT THE MATERIALS OPTIMUM MOISTURE CONTENT. THE MOISTURE CONTENT OF THE SUBGRADE SHOULD BE MAINTAINED UNTIL THE PAVEMENT SURFACE IS PLACED.

7. BARRIER FREE RAMPS SHALL BE CONSTRUCTED AT ALL STREET INTERSECTIONS AND DRIVEWAY APPROACHES.

8. REFER TO SITE DETAILS FOR DETAILS OF CURB & SIDEWALK, ETC.

1. THE CITY STANDARD CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL COVER MATERIAL AND METHODS USED TO

2. CONTRACTOR MUST OBTAIN A STREET CUT PERMIT FROM THE CITY OF BUDA BEFORE BEGINNING CONSTRUCTION WITHIN THE

3. AT LEAST 48 HOURS BEFORE BEGINNING ANY WATER AND WASTEWATER CONSTRUCTION IN PUBLIC R.O.W. OR PUBLIC EASEMENT, THE CONTRACTOR SHALL NOTIFY THE CITY OF BUDA PUBLIC WORKS.

4. THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 FOR EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE CITY OF BUDA WATER AND WASTEWATER MAINTENANCE RESPONSIBILITY ENDS AT R.O.W./EASEMENT LINES.

5. NO OTHER UTILITY SERVICE/APPURTENANCES SHALL BE PLACED NEAR THE PROPERTY LINE, OR OTHER ASSIGNED LOCATION DESIGNATED FOR WATER AND WASTEWATER UTILITY SERVICE THAT WOULD INTERFERE WITH THE WATER AND WASTEWATER SERVICES.

THE CITY SPECIFICATION ITEM 509S WILL BE REQUIRED AS A MINIMUM TRENCH SAFETY MEASURE.

7. ALL MATERIALS TESTS, INCLUDING SOIL DENSITY TESTS AND DETAILED SOIL ANALYSES, SHALL BE CONDUCTED BY AN INDEPENDENT LABORATORY AND FUNDED BY THE OWNER IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 1804S.04.

8. PRESSURE TAPS SHALL BE IN ACCORDANCE WITH CITY STANDARD ITEM 510.3(24). THE CONTRACTOR SHALL PERFORM EXCAVATION ETC. AND SHALL FURNISH, INSTALL AND AIR TEST THE SLEEVE AND VALVE, WHEN CONTRACTORS MAKE THE TAP A CITY INSPECTOR MUST BE PRESENT AND 2 WORKING DAYS (MIN.) NOTIVE MUST BE GIVEN. "SIZE ON SIZE" TAPS WILL NOT BE PERMITTED. UNLESS. IT HAS BEEN DEMONSTRATED THAT A MOER ACCEPTABLE CONNECTION WOULD INVOLVE CONSIDERABLE HARDSHIP TO THE UTILITY SYSTEM. ALL TAPS SHALL BE MADE BY USE OF AN APPROVED FULL CIRCLE-GASKETED CAST IRON OR DUCTILE IRON TAPPING SLEEVE. CONCRETE BLOCKING SHALL BE PLACED UNDER ALL TAP SLEEVES PRIOR TO MAKING THE PRESSURE TAP AND THE USE OF PRECAST BLOCKS MAY BE USED TO HOLD THE TAP IN ITS CORRECT POSITION PRIOR TO BLOCKING. THE BLOCKING BEHIND AND UNDER THE TAP SHALL HAVE A MINIMUM OF 24 HOURS CURING TIME BEFORE THE VALVE CAN BE RE-OPENED FOR SERVICE FROM THAT TAP.

9. THRUST RESTRAINT SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 510.3(22).

10. ALL BRANCH CONNECTIONS SHALL HAVE THE VALVE BOLTED TO THE MAIN BY METHODS OF FLANGE OR SWIVEL TEES. FOSTER ADAPTORS MAY BE USED IN LIEU OF FLANGE OR SWIVEL TEES WHEN CALLED OUT ON THE PLANS BY THE DESIGN ENGINEER.

11. FIRE HYDRANTS SHALL BE SET IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 511S.4. B). FIRE HYDRANTS SHALL BE PAINTED

12. WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEMS 510.3 (27)-(29). FORCE MAIN PRESSURE TESTING SHALL BE CONDUCTED AND FALL UNDER THE SPECIFICATIONS AS WATER LINES (PRESSURE PIPE)

13. ALL MATERIAL USED ON THIS PROJECT MUST BE LISTED ON THE STANDARD PRODUCTS LISTING. ANY MATERIAL NOT LISTED HAS TO GO THROUGH THE CITY OF BUDA CITY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO START OF PROJECT. TESTING AND EVALUATION OF PRODUCTS ARE REQUIRED BEFORE APPROVAL WILL BE GIVEN ANY CONSIDERATION.

14. WHEN WATER SERVICES ARE DAMAGED, THE SERVICE SHALL BE REPLACED FULL LENGTH WITH P.E PIPE. NOTE: FULL LENGTH IS FROM BALL

15. WHEN AN EXISTING WATERLINE SHUTOUT IS NECESSARY AND POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR WHO WILL THEN NOTIFY THE CITY OF BUDA PUBLIC WORKS AND THE AFFECTED CUSTOMERS A MINIMUM OF SEVENTY-TWO (72) HOURS IN

16. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR SO THAT HE CAN NOTIFY THE CITY OF BUDA PUBLIC WORKS AT A MINIMUM OF 72 HOURS PRIOR TO RELOCATING ANY DOMESTIC OR FIRE DEMAND WATER METERS. THE CONTRACTOR SHALL CAREFULLY REMOVE ALL METERS AND METER BOXES THAT ARE INDICATED TO BE RELOCATED OR SALVAGED. THE CONTRACTOR SHALL INSTALL THE REMOVED METER OR CITY PROVIDED METER AT THE NEW LOCATION INDICATED ON THE CONSTRUCTION PLANS.

17. ALL MANHOLES IN UNPAVED AREAS PROVIDING DIRECT ACCESS TO A WASTEWATER LINE SHALL BE WATERTIGHT AND BEAR THE WORDING

18. THE CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES PRIOR TO STARTING ONSITE UTILITY

19. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. APPROVAL OF THESE PLANS BY THE CITY OF BUDA DOES NOT REMOVE THESE RESPONSIBILITIES.

20.REVIEW BY THE CITY OF BUDA WATER UTILITY APPLIES ONLY TO FACILITIES WITHIN PUBLIC STREETS OR PUBLIC UTILITY EASEMENTS. ALL OTHER WATER AND WASTEWATER FACILITIES INSIDE PRIVATE PROPERTY ARE UNDER THE JURISDICTION OF BUILDING INSPECTION.

21.UNDERGROUND FIRE MAINS FEEDING NFPA 13 SPRINKLER SYSTEMS MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA 24, NFPA 13, AND THE FIRE CODE, BY A LICENSED AND STATE REGISTERED SPRINKLER CONTRACTOR. ALL UNDERGROUND FIRE MAINS SHALL REQUIRE A SUBMITTED PLAN FOR REVIEW AND PERMIT SIGNED/STAMPED BY AN RME-U OR G THAT SHOWS THE COMPLETE UNDERGROUND

1. A TEMPORARY ADDRESS SHALL BE POSTED AS SOON AS WORK BEGINS ON THE SITE. THE NUMBERS/LETTERS SHALL BE A MINIMUM OF 8 INCHES IN HEIGHT AND PLAINLY VISIBLE FROM FM 1626 (2021 IFC § 505).

T:817.328.3200

City Engineer, City of Buda

RELEASED FOR GENERAL COMPLIANCE: _____ ZONING: F4 Correction 1__ Correction 2_ Correction 3

Final Plat must be recorded by the project expiration date, if applicable. subsequent site plans which do not comply with the Code current at the time of filing, and all required building permits and/or notice of construction (if a building permit is not required), must also be approved prior to the project expiration dat

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF BUDA MUST RELY ON UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER Langan Engineering and Environmental Services, LLC

2999 Olympus Boulevard, Suite 165

Dallas, TX 75019

TBPE FIRM REG. #F-13709

www.langan.com

5200 Buffington Rd. Atlant Georgia, 30349-2998 Revisions: Mark Date By 2024-04-03 KRS ARC COORDINATION Date Mark

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GENERAL NOTES

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SITE DEVELOPMENT # 2023-754

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		RG-348 L _R =(BN	Page 3-33 Equati IP Efficiency) x P	on 3.7: x (A ₁ x 34.6 + A	ър х 0.54)								G-348 Page 3-33 Equation 3.7 R=(BMP Efficiency) x P x (A ₁ x	: 34.6 + A _P x 0
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5.0	Calculate Fraction of	Annual Runoi	T to freat the dra	Desired L _{M THIS B}	<u>Duttali area</u> _{ASIN} = <u>1652</u> lb F = 0.90	DS					<u>5. Ca</u>	liculate Fraction of Annual	Runom to Treat the drainage	d L _{M THIS BASIN} :
<u>6. (</u>	Calculate Treated Flo	w required by	the BMP Type fo	or this drainage	e basin / outfall ar	rea.					<u>6. Ca</u>	Iculate Treated Flow requir	red by the BMP Type for this	drainage ba
Ca	culations from RG-348	Offs	Offsite are ite impervious cov	ea draining to B er draining to B Rainfall Intens	MP = 0.00 an MP = 0.00 an sity = 1.10 in	cres cres aches per hour					Calcu Page	ulations from RG-348	Offsite area drai Offsite impervious cover drai Bair	ning to BMP : ning to BMP :
				Effective A Cartridge Len	rea = 1.69 an ngth = 54 in	cres nches					, ago		E	ffective Area =
<u>7</u>	<u>Jellyfish</u>		Peak Treatme	ent Flow Requi	red = 1.88 c	ubic feet per s	second				<u>7. Jel</u>	llyfish	Peak Treatment Flo	w Required
Ser	ction 3.2.22	Through Jel	lyfish								Sectio	on 3.2.22	gh Jellyfish	
		Jellyfis	h Size for Flow-Ba Jellyfish T	ased Configurati reatment Flow R	ion = JFPD0808-1 Rate = 1.96 ci	10-2 fs						L	ellyfish Size for Flow-Based C Jellyfish Treatme	onfiguration = nt Flow Rate
					IMPER		OVER TO PO		PARISON	TABLE				
DRAINAG AREA	ORIG BE POND	AC	GN IC (SF)	IC (%)	DRAINAGE AREA	POND	JRRENT DE	SIGN IC (SF	F) IC	(%)	POND	CON ORIGINAL DESIGN IC TO POND (SF)	IPARISON CURRENT DESIGN IC TO POND (SF)	I DELTA
F1 F2	A B	3.06 1.88	79,976 49,136	60.00% 60.00%	P4 P2	A B	1.95 0.96	67,57 35,77	7 <u>5</u> 79. 7985.	86% 62%	A B	79,976 49,136	67,575 35,779	-12,4 -13,3
**COMPA PROPOSE WHEN CO	RISON COLUM D DRAINAGE MPARED.	N REPRE AREAS /	ESENTS TH AND THE C	E AMOUN CURRENT	T OF IMPEF FULL BUILD	RVIOUS C) OUT IMF	OVER EAG PERVIOUS	CH POND COVER (WAS O GOING T	RIGINAL O EACI	LY DES H POND,	IGNED FOR PER , WHICH MUST BI	60% OF THE ORIG E LESS THAN OR	INAL EQUAL
				OST-DEVE		RIANAGE A			3					
ITEM OS1	(AC) 0.42	CN 75	(%) 0.00%		(MIN)	2-YR 0.8	10-YR	25-YR 2.4	100-YR 3.4	NOTES	S TO EXIS		4	
P1 P2 P4	1.48 0.96 1.95	75 75 75	3.09% 85.62% 79.63%		11 5 5	3.0 5.2 10.3	6.2 8.1 16.2	8.5 10.1 20.2	12.2 13.3 26.8	FLOWS	S TO EXIS S TO EXIS S TO EXIS	STING POND A STING POND B STING POND A	Peak F Storm Event	low Com Existing
DET-A DET-B						4.9 4.3	9.4 7.2	12.1 9.2	15.7 12.3	OUTFA OUTFA	LL OF PC	ND A TO AP-A-PR ND B TO AP-B-PR	10-Year 25-Year	18.9 25.7

Rain "I"	Runoff "Q"	Total Q	Sf	HGLo	HGLI	v	Hf	Invert Elevation U/S	Invert Elevation D/S
(inch/hr)	(cu. ft/sec)	(cu. ft/sec)		(ft)	(ft)	(ft/s)	(ft)	(ft)	(ft)
9.42	6.18	6.18	0.00	766.00	766.03	1.26	0.03	764.40	763.50
9.46	3.89	3.89	0.01	765.84	766.24	4.96	0.40	765.10	764.40
11.63	9.36	9.36	0.01	766.00	766.10	5.30	0.10	764.57	764.50
11.80	9.49	9.49	0.01	766.53	767.34	5.37	0.81	765.15	764.57



			DETENTIO	<u> DN PUND A - AILAS</u>	14	-	
STORM	INFLOW	DISCHARGE	STORAGE	PEAK ELEVATION	PEAK WSEL	BERM ELEVATION	FREEBOARD
EVENT	CFS	CFS	AC-FT	FT	FT	FT	FT
2-YR	10.3	4.9	0.1	3.0	764.9		2.6
10-YR	16.2	9.4	0.2	3.6	765.5	767.5	2.0
25-YR	20.2	12.1	0.3	4.0	765.9		1.6
100-YR	26.8	15.7	0.3	4.4	766.3		1.2

1. CALCULATIONS PERFORMED USING HEC-HMS 4.10 MODELING SOFTWARE. 2. POND GEOMETRY AND ELEVATIONS ARE PER THE "DETENTION POND 'A' PLAN AND SECTIONS" PLAN SHEET PER THE "GARLIC CREEK - STARBUCKS" PLAN SET, PREPARED BY BIG RED DOG, DATED 1/30/2019.

	DETENTION POND B - ATLAS 14									
STORM	INFLOW	DISCHARGE	STORAGE	PEAK ELEVATION	PEAK WSEL	BERM ELEVATION	FREEBOARD			
EVENT	CFS	CFS	AC-FT	FT	FT	FT	FT			
2-YR	5.2	4.3	0.02	2.1	763.9		2.1			
10-YR	8.1	7.2	0.03	2.4	764.2	700.0	1.8			
25-YR	10.1	9.2	0.035	2.5	764.3	766.0	1.7			
100-YR	13.3	12.3	0.04	2.8	764.6		1.4			
						·	•			

1. CALCULATIONS PERFORMED USING HEC-HMS 4.10 MODELING SOFTWARE.

2. POND GEOMETRY AND ELEVATIONS ARE PER THE "DETENTION POND 'B' PLAN AND SECTIONS" PLAN SHEET PER THE "GARLIC CREEK - STARBUCKS" PLAN SET, PREPARED BY BIG RED DOG, DATED 1/30/2019.

k Flow Comparison at Analysis Point A									
nt	Existing CFS	Proposed CFS	DELTA (CFS)						
	9.2	8.7	-0.5						
	18.9	17.1	-1.8						
	25.7	22.6	-3.1						
		24.4	50						
	37.0	31.1	-0.9						
k F	37.0	on at Analysis P	Point B						
k F nt	37.0 Now Comparis	on at Analysis P Proposed CFS	oint B						
k F nt	37.0 Flow Comparis Existing CFS 5.0	on at Analysis P Proposed CFS 4.3	-3.9 Point B DELTA (CFS) -0.7						
k F nt	37.0 Flow Comparis Existing CFS 5.0 10.4	on at Analysis P Proposed CFS 4.3 7.2	-3.9 Point B DELTA (CFS) -0.7 -3.2						
k F nt	37.0 Flow Comparis Existing CFS 5.0 10.4 14.2	on at Analysis P Proposed CFS 4.3 7.2 9.2	-3.9 Point B DELTA (CFS) -0.7 -3.2 -5.0						

SITE PLAN APPROVAL



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

- 1. A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start of any regulated activities. This notice must include: - the name of the approved project; - the activity start date; and - the contact information of the prime contractor.
- 2. All contractors conducting regulated activities associated with this project must be provided with complete copies of the approved Water Pollution Abatement Plan (WPAP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors are required to keep on-site copies of the approved plan and approval letter.
- 3. If any sensitive feature(s) (caves, solution cavity, sink hole, etc.) is discovered during construction, all regulated activities near the sensitive feature must be suspended immediately. The appropriate TCEQ regional office must be immediately notified of any sensitive features encountered during construction. Construction activities may not be resumed until the TCEQ has reviewed and approved the appropriate protective measures in order to protect any sensitive feature and the Edwards Aquifer from potentially adverse impacts to water quality.
- 4. No temporary or permanent hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.
- 5. Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the approved plans and manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.
- 6. Any sediment that escapes the construction site must be collected and properly disposed of before the next rain event to ensure it is not washed into surface streams, sensitive features, etc.
- 7. Sediment must be removed from the sediment traps or sedimentation basins not later than TCEQ-0592 (Rev. July 15, 2015) Page 2 of 2 when it occupies 50% of the basin's design capacity 8. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged
- offsite. 9. All spoils (excavated material) generated from the project site must be stored on-site with proper E&S controls. For storage
- or disposal of spoils at another site on the Edwards Aquifer Recharge Zone, the owner of the site must receive approval of a water pollution abatement plan for the placement of fill material or mass grading prior to the placement of spoils at the other site.
- 10. If portions of the site will have a temporary or permanent cease in construction activity lasting longer than 14 days, soil stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.
- 11. The following records shall be maintained and made available to the TCEQ upon request: the dates when major grading activities occur; - the dates when construction activities temporarily or permanently cease on a portion of the site; and - the dates when stabilization measures are initiated.
- 12. The holder of any approved Edward Aquifer protection plan must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:
- A. any physical or operational modification of any water pollution abatement structure(s), including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;
- B. any change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer; C. any development of land previously identified as undeveloped in the original water pollution abatement plan.

San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096

Fax (210) 545-4329

5200 Buffington Rd. Atlant Georgia, 30349-2998 Revisions: Mark Date By 2024-04-03 KRS /2` ARC COORDINATIO Date Mark B Mark Date B Date Mark B SAMUEL L. KNOTT 126382 amm 08 ∪ പാ С Ц 0 -FIL-A CHICK-WEST STORE P14-LSP-LRG

SHEET TITLE

For Permit

DRAINAGE CALCULATIONS

□ For Bid □ For Cor	nstru	ction
Job No. Store Date Drawn By Checked	: <u>52</u> : : _2 / By	20061201 05508 /29/2024 :
Sheet	·6	.4

SHEET <u>12</u> OF <u>39</u> APPLICATION DATE: 11/20/2023 FILE NUMBER <u>2023-754</u> APPROVED BY COMMISSION ON N/A UNDER THE CITY OF BUDA UNIFIED DEVELOPMENT CODE. EXPIRATION DATE: _____ CASE MANAGER: A. HERNANDEZ

City Engineer, City of Buda

RELEASED FOR GENERAL COMPLIANCE: _____ ZONING: F4 _ Correction 1__ Correction 2_ _____ _ Correction 3

Final Plat must be recorded by the project expiration date, if applicable. subsequent site plans which do not comply with the Code current at the time of filing, and all required building permits and/or notice of construction (if a building permit is not required), must also be approved prior to the project expiration date

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF BUDA MUST RELY ON UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER

ANGAN Langan Engineering and Environmental Services, LLC 2999 Olympus Boulevard, Suite 165 Dallas, TX 75019

T:817.328.3200 www.langan.com TBPE FIRM REG. #F-13709



ESC QUANTITIES						
ITEM	QUANTITY	UNIT				
SILT FENCE	1,153	LF				
INLET PROTECTION FOR GRATE INLETS	40	LF				
INLET PROTECTION FOR HEADWALLS	58	LF				
RIPRAP	100	SF				
STABILIZED CONSTRUCTION ENTRANCE	1	EA				



required), must also be approved prior to the project expiration date

SITE DEVELOPMENT # 2023-754