## EDWARDS AQUIFER MODIFIED CONTRIBUTING ZONE PLAN

for

## SWAGELOK AUSTIN

Prepared for:

REN LP c/o Fred Kaimer 1017 Innovation Way Cedar Park, Texas 78613

Prepared by:

# MALONE \*WHEELER

CIVIL ENGINEERING \* DEVELOPMENT CONSULTING \* PROJECT MANAGEMENT

5113 Southwest Parkway Suite 260 Austin, Texas 78735 TBPE Firm No. F-786



May 2025

## 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 Name: Swagelok Austin				2. Regulated Entity No.: RN109655274					
3. Customer Name: REN LP			4. Customer No.: CN605311141						
5. Project Type: (Please circle/check one)	New	Modif	ication	$\triangleright$	Extension		Exception		
6. Plan Type: (Please circle/check one)	WPAP CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures	
7. Land Use: (Please circle/check one)	Residential 🔇	Non-r	Non-residential 8. Sit			8. Sit	e (acres): 4.663		
9. Application Fee:	\$4,000	10. P	10. Permanent BMP(s):			s):	Williamson		
11. SCS (Linear Ft.):	N/A	12. A	12. AST/UST (No. Tanks):			nks):	N/A		
13. County:	Williamson	14. Watershed:				Upper Brushy Creek			

## **Application Distribution**

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

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

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

	Austin	Region	
County:	Hays	Travis	Williamson
Original (1 req.)			X
Region (1 req.)			<u>X</u>
County(ies)			X
Groundwater Conservation District(s)	Edwards Aquifer Authority Barton Springs/ Edwards Aquifer Hays Trinity Plum Creek	Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	Austin Buda Dripping Springs Kyle Mountain City San Marcos Wimberley Woodcreek	Austin Bee Cave Pflugerville Rollingwood Round Rock Sunset Valley West Lake Hills	Austin X_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.

Daniel J. Brown, P.E. Print Name of <del>Customer</del>/Authorized Agent

Signature of Customer/Authorized Agent

05/12/2025 Date

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

## Modification of a Previously Approved Contributing Zone Plan

### **Texas Commission on Environmental Quality**

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

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

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

## Signature

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

Print Name of Customer/Agent: Daniel J. Brown, P.E.

Date: 05/12/2025

Signature of Customer/Agent:

## **Project Information**

- Current Regulated Entity Name: <u>Swag</u>elok Austin Original Regulated Entity Name: <u>Swag</u>elok Austin Assigned Regulated Entity Number(s) (RN): <u>109655274</u> Edwards Aquifer Protection Program ID Number(s): <u>11-06</u>102701 & 11000552
  - X The applicant has not changed and the Customer Number (CN) is: <u>60531</u>1141
  - X The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
- 2. X Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.
- 3. A modification of a previously approved plan is requested for (check all that apply):

Any physical or operational modification of any best management practices or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;

X Any change in the nature or character of the regulated activity from that which was originally approved; small increase of impervious cover of 956 square feet.

A change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or

Any development of land previously identified in a contributing zone plan as undeveloped.

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

CZP Modification	Approved Project	Proposed Modification
Summary		
Acres	4.66	N/A
Type of Development	<u>Comm</u> ercial	N/A
Number of Residential	0	N/A
Lots		
Impervious Cover (acres)	2.84	2.90
Impervious Cover (%)	61 Wat Basin WO Bond	62
Permanent BMPs	( <u>EAPP</u> ID: 11-06102701)	N/A
Other	N/A	N/A
AST Modification	Approved Project	Proposed Modification
Summary		
Number of ASTs	0	N/A
Other	0	N/A
UST Modification	Approved Project	Proposed Modification
Summary		
Number of USTs	0	<u>N/A</u>
Other	0	N/A

5. X 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 previous modifications, and how this proposed modification will change the approved plan.

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

MODIFIED CONTRIBUTING ZONE PLAN APPLICATION

ATTACHMENT "A"

**ORIGINAL APPROVAL LETTER** 

SWAGELOK AUSTIN

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



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 13, 2017

Mr. Fred Kaimer REN, LP 9825 Spectrum Drive, Suite 200 Austin, Texas 78717

Re: Edwards Aquifer: Williamson County NAME OF PROJECT: Swagelok Austin; Located at the Northeast Corner of US 183A and New Hope Drive; Cedar Park, Texas TYPE OF PLAN: Request for Approval of Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer Edwards Aquifer Protection Program ID No. 11000552; RN109655274

Dear Mr. Kaimer:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the Austin Regional Office by Malone Wheeler, Inc. on behalf of REN LP on February 10, 2017. Final review of the CZP was completed after additional material was received on April 13, 2017. 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 Subchapter B. 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

This site is part of a larger common plan for which the water quality and detention facilities were reviewed, approved, and have been constructed with the BMC Lumber Subdivision improvements. The BMC Lumber Subdivision CZP was approved by a letter dated November 30, 2006 and included construction of a wet basin water quality pond; EAPP ID No: 11-06102701. The capacity of the pond was 289,055 cubic feet sized to provide treatment for up to 57 acres of impervious cover. However, a portion of the original area meant to go to this existing pond has since been acquired for the 183 A right- of- way, resulting in a new potential impervious cover of 52.8 acres.

TCEQ Region 11 • P.O. Box 13087 • Austin, Texas 78711-3087 • 512-339-2929 • Fax 512-339-3795

Mr. Fred Kaimer Page 2 April 13, 2017

PLEASE NOTE THAT 11000452 IS A TYPO IN LETTER AND EAPP ID IS 11000552 AS NOTED ON PAGE 1 OF

Currently, there are approximately 36.28 acres of impervious cover being treated by the wet basin, leaving a total of 16.52 acres of future impervious cover to be allotted. The impervious cover contributions from previously approved development as well as the proposed development (EAPP ID: 11000452) is provided below:

EAPP ID No.	Impervious Cover (Acres)
11-06102701	1.97
11-07051002	14.14
11-13100308	2.20
11-13112002	4.83
11000363	13.14
11000452	2.84
Total	39.12

 LETTER AND IN TCEQ REGISTRY.
 Introducts2
 2.84

 Total
 39.12

 After the construction of the proposed Swagelok Austin project (2.84 acres impervious cover),

 Interview of the proposed Swagelok Austin project (2.84 acres impervious cover),

 Interview of the proposed Swagelok Austin project (2.84 acres impervious cover),

After the construction of the proposed Swagelok Austin project (2.84 acres impervious cover), the total impervious cover treated by the wet basin will be 39.12 acres leaving a total of 13.68 acres of impervious cover for future improvements to be allotted to this wet basin.

### PROJECT DESCRIPTION

This CZP proposes to construct two office/research facility buildings, associated drive ways, parking, and utilities on a total 4.66 acre lot. The proposed project will add 2.84 acres (61%) impervious cover. Project wastewater will be disposed of by conveyance to the existing Brushy Creek Wastewater Treatment Plant.

### PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater, surface water will be conveyed to an existing wet basin system that was designed using the TCEQ technical guidance document, "Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)" and approved as part of the BMC Lumber Subdivision site (EAPP ID No. 11-06102701) by letter dated November 30, 2016 will be used to treat the stormwater runoff.

The required total suspended solids (TSS) load removal for this project is 2,472 pounds generated from the 2.84 acres of impervious cover added. The TSS load removal calculations signed and sealed by Daniel J. Brown, P.E. on April 11, 2017 submitted with the application demonstrate that the existing water quality pond is sufficiently sized to accommodate the additional 2.84 acres of impervious cover created by this project. Based on the approval letter for the Brushy Creek Corporate Center project (EAPP ID; 11000363) dated October 31, 2016, there was an estimated 16.52 acres of IC remaining for treatment by this wet pond. This project will account for 2.84 acres and leave approximately 13.68 acres of future purposes.

### SPECIAL CONDITIONS

- I. Additional phases of this development will require approval of a CZP or CZP Modification as applicable prior to conducting additional regulated activities on the site.
- II. All sediment and/or media removed during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

Mr. Fred Kaimer Page 3 April 13, 2017

### 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. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- 5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
- 6. 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 name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
- 7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

### **During Construction:**

- 8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 9. 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.
- 10. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be

removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

- 11. 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.
- 12. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 13. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
- 14. 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. 5, above.

### After Completion of Construction:

- 15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 17. A Contributing Zone 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 Contributing Zone 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.
- 18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

Mr. Fred Kaimer Page 5 April 13, 2017

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 Ms. Anusuya K. Iyer of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,

Shawn Stewart, Water Section Manager Austin Region Office Texas Commission on Environmental Quality

CSS/aki

Enclosure: Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Daniel J. Brown, P.E., Malone Wheeler, Inc., Austin, Texas Mr. Terron Evertson, P.E., County Engineer, Williamson County Mr. Sam Roberts, P.E., Assistant City Manager, City of Cedar Park

### Change in Responsibility for Maintenance on Permanent Best Management Practices and Measures

The applicant is no longer responsible for maintaining the permanent best management practice (BMP) and other measures. The project information and the new entity responsible for maintenance is listed below.

Customer:		 			<u> </u>
Regulated Entity Name					 <u> </u>
Site Address:		 		0 1	 
City, Texas, Zip:	m	<b></b>			 
County:					
Approval Letter Date:		 			 
BMPs for the project:					
· · · · ·					
New Responsible Party	y:	 			 
Name of contact:		 			
Mailing Address:		 			 
City, State:				Zip:	 
Telephone:	. <u> </u>		FAX:		
				·	

Signature of New Responsible Party

Date

I acknowledge and understand that I am assuming full responsibility for maintaining all permanent best management practices and measures approved by the TCEQ for the site, until another entity assumes such obligations in writing or ownership is transferred.

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

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

TCEQ-10263 (10/01/04)

## MODIFIED CONTRIBUTING ZONE PLAN APPLICATION

## ATTACHMENT "B"

## NARRATIVE OF PROPOSED MODIFICATIONS

## SWAGELOK AUSTIN

The modified CZP for the Swagelok Site Plan is submitted to update TCEQ Approved CZP EAPP#11000552 and increase the approved impervious cover from 61% (2.84 acres) to 62% (2.90 acres) for the 4.663 acres tract. When including the additional requested impervious cover there remains adequate capacity in the existing wet basin to convey and treat the runoff from this project. The storm water runoff from this tract will be collected by an on-site storm sewer system, which is directed into the existing water quality / detention facility. The updated impervious cover contribution from the Swagelok development is shown below.

EAPP ID No.	Impervious Cover (Ac.)	
11-06102701	1.97	
11-07051002	14.14	
11-13100803	2.20	
11-13112002	4.83	
11000363	13.14	
11000552 (Update)	2.90	
	Sum: 39.18 acres	

Therefore, there are approximately 39.18 acres of impervious cover treated by the wet basin, leaving a total of 13.62 acres of future impervious cover to be allotted in the existing wet basin after the Swagelok development.

No portion of this tract is within the boundaries of the 100-year floodplain as shown on Federal Flood Insurance Administration FEMA FIRM Panel No. 48491C0470F, effective 12/20/2019, and FEMA FIRM Panel No. 48491C0610F, effective 12/20/2019.

## MODIFIED CONTRIBUTING ZONE PLAN APPLICATION

## ATTACHMENT "C"

## CURRENT SITE PLAN OF APPROVED PROJECT

## SWAGELOK AUSTIN



TTE INFORMATION:		DB		
TOTAL SITE AREA: 4.663 AC. THIS SITE SHALL COMPLY WITH THE CITY OF CEDAR PARK ZONING ORDINANCES. LAND USE: COMMERCIAL		Щ		
LEGAL STATUS: LOT 2A, RESUB LOTS 1 & 2, BLK A, BMC LUMBER SUB'D NO. 1 TRASH DUMPSTERS WILL BE SCREENED AS REQUIRED BY THE CITY OF CEDAR NRK ORDINANCES.		ATE IC TABI		
ZONING = LI BUILDING TYPE: 3–B (SPRINKLED).				
PERVIOUS COVER:		IDEWAL		
BUILDINGS (PH 1):       28,664 SF.       BUILDINGS (PH 2):       14,400 SF.         PAVEMENT (PH 1):       71,691 SF.       PAVEMENT (PH 2):       2,769 SF.         SIDEWALKS (PH 1):       8,303 SF.       SIDEWALKS (PH 2):       375 SF.		REVISION AMPS, ADD S		
		S AND R		
		ARKING		
PARKING REQUIRED: SPACE/300 SF. OFFICE AND SPACE/600 WAREHOUSE		CATE ADA P		
IASE 1: FICE: 13,500 SF./300=45 SPACES		RELOO		
NREHOUSE: 10,000 SF./600=17 SPACES ANUFACTURING: 5,164 SF./1000= 6 SPACES TAL SPACES REQUIRED PHASE 1: 68 SPACES		DATE 35/07/2025		
IASE 2: FICE: 3,000 SF. /300=10 SPACES NREHOUSE: 11,400 SF. /600=19 SPACES ITAL SPACES REQUIRED PHASE 2: 29 SPACES		C IO		
TAL SPACES REQUIRED PHASES 1&2: 97				
PARKING PROVIDED:				
GULAR SPACES: 96				
ANDICAP SPACES:6DTAL SPACES PROVIDED:102CYCLE RACKS (3 SPACES EACH):6				
ITE PLAN NOTES Exterior lighting shall be completely concealed with an opaque housing and shall not be visible from the reet or adjacent properties. Lighting fixtures shall be no more than twenty-five (25) feet in height as measured fro ljacent, finished grade.	om	8613		
"Fire Lane — Tow Away Zone" shall be indicated along all curbs where there is no head—in or parallel parking, nd it is not already marked as a fire lane). (Sec. 9.2.0, #9; Transportation Criteria Manual) (Table 9-2; TCM) Each Exterior wall building area of a site built in this district shall have a minimum of fifty percent (50%) asonry construction exclusive of doors and windows, with the option of constructing the balance in any mbination of these materials and/or including fiber/cement board (e.g. Hardiplank), stucco, or glass. No EIFS or etal panels with factory applied coatings shall be used for exterior walls. Mirrored glass is not permitted. All echanical equipment shall be screened from view. All rooftop equipment on roofs shall be screened in building aterial that matches the structure or is visually compatible with the structure. Awnings and canopies may be ade of sheet metal or canvas membrane. Plastic or vinyl awnings are not permitted. All ground floor building ces shall utilize the same or similar store front and architectural treatments on all sides. Service entrances and her nonpublic building sides or areas shall be screened from view using vegetative screening or masonry fencing		NAGELOK ARK, TEXAS 7	SITE PLAN	
A sign permit will be obtained for all signs proposed on this site.		S/ P		
For outdoor condensers, utility huts and other building service equipment, such equipment shall be completely reened from view on all sides using vegetative screen with at least two (2) varieties of plant material from the eferred plant list that, at maturity, is at least the height of the equipment to be screened. (Chapter 14, Sec07.009(A)(2)).		CEDAF		
Assigned City address numbers will be permanently affixed to all structures in such positions as to be plainly				
Fire lane striping shall be continuous throughout the fire apparatus road. Striping shall be marked "FIRE LANE		· ·		
TOW AWAY ZONE" every 35' in white lettering on red stripe.				
ior to combustibles arriving on site.				
) Fire hydrants shall be installed and operational prior to combustibles arriving on site. ) The trash receptacle enclosure is required to be constructed on three sides of material other than wood, with e resilience of metal or concrete, not less than the height of the bin, the gate (fourth side) is required to be				
aque and have tiebacks to secure in an open position and fasteners to keep them closed.		/ 🎇 /	<b>FEMENT</b>	
<ol> <li>All wall—pacs facing single family lots are required to have shields.</li> <li>Fire access lanes striping shall be continuous throughout the fire lane.</li> </ol>			5 VANAG	
) Maximum light pole height is 25'. The height of any freestanding lights located within 50' of a residentially			0 9-065	
oned property is limited to 15°. 5) All dry utilities (electric, telephone, cable, etc.) must be installed underground.			G★ PR( uite 26 35 512) 89	
			NSULTIN Kwy, S as 787 Fax: {{	
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PERMIT NO. SD-16-000	024	OF 3	1	)

## **Contributing Zone Plan Application**

**Texas Commission on Environmental Quality** 

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), Effective June 1, 1999

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

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

## Signature

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

Print Name of Customer/Agent: Daniel J. Brown, P.E.

Date: 05/12/2025

Signature of Customer/Agent:

chite

Regulated Entity Name: Swagelok Austin

## **Project Information**

- 1. County: Williamson
- 2. Stream Basin: South Brushy Creek
- 3. Groundwater Conservation District (if applicable): Upper Brushy Creek
- 4. Customer (Applicant):

Contact Person: <u>Fred Kaimer</u> Entity: <u>REN LP</u> Mailing Address: <u>1017 Innovation Way</u> City, State: <u>Cedar Park, Texas</u> Telephone: <u>512-832-5057</u> Email Address: <u>fkaimer@swagelok.com</u>

Zip: <u>78613</u> Fax: \_\_\_\_\_

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5. Agent/Representative (If any):

Contact Person: <u>Daniel J. Brown</u> Entity: <u>Malone/Wheeler, Inc.</u> Mailing Address: <u>5113 Southwest Parkway, Suite 260</u> City, State: <u>Austin, Texas</u> Zip: <u>78735</u> Telephone: <u>512-899-0601</u> Fax: \_\_\_\_\_ Email Address: <u>danb@malonewheeler.com</u>

- 6. Project Location:
  - The project site is located inside the city limits of <u>Cedar Park</u>.
  - The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of \_\_\_\_\_.
  - The project site is not located within any city's limits or ETJ.
- 7. The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

Located in the Northwest quadrant of the interection of Innovation Way and BMC Drive.

- 8. Attachment A Road Map. A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.
- 9. Attachment B USGS Quadrangle Map. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) clearly show:





10. Attachment C - Project Narrative. A detailed narrative description of the proposed project is attached. The project description is consistent throughout the application and contains, at a minimum, the following details:



- Uffsite areas
- Impervious cover
- $\bigotimes$  Permanent BMP(s)
- Proposed site use
- Site history
- Previous development
- Area(s) to be demolished
- 11. Existing project site conditions are noted below:
  - Existing commercial site
    - Existing industrial site
    - Existing residential site

Existing paved and/or unpaved roads

Undeveloped (Cleared)

Undeveloped (Undisturbed/Not cleared)

- Other: \_\_\_\_\_
- 12. The type of project is:

Residential: # of Lots: \_\_\_\_\_ Residential: # of Living Unit Equivalents: \_\_\_\_\_ Commercial Industrial Other: \_\_\_\_\_

13. Total project area (size of site): <u>4.663</u> Acres

Total disturbed area: 4.663 Acres

- 14. Estimated projected population: <a><br/>
  </a>
- 15. The amount and type of impervious cover expected after construction is complete is shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	43,064	÷ 43,560 =	0.99
Parking	74,460	÷ 43,560 =	1.71
Other paved surfaces	8,678	÷ 43,560 =	0.20
Total Impervious Cover	126,202	÷ 43,560 =	2.90

### Table 1 - Impervious Cover

Total Impervious Cover 2.90 ÷ Total Acreage 4.663 X 100 = 62% Impervious Cover

16. Attachment D - Factors Affecting Surface Water Quality. A detailed description of all factors that could affect surface water quality is attached. If applicable, this includes the location and description of any discharge associated with industrial activity other than construction.

17.  $\boxtimes$  Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

## For Road Projects Only

### Complete questions 18 - 23 if this application is exclusively for a road project.

🗌 N/A

18.	Туре	of	project:
-----	------	----	----------

TXDOT road project. County road or roads built to county specifications. City thoroughfare or roads to be dedicated to a municipality. Street or road providing access to private driveways. 19. Type of pavement or road surface to be used: Concrete Asphaltic concrete pavement Other: 20. Right of Way (R.O.W.): Length of R.O.W.: \_\_\_\_\_ feet. Width of R.O.W.: feet.  $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$ 21. Pavement Area: Length of pavement area: \_\_\_\_\_ feet. Width of pavement area: feet.  $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$ Pavement area acres ÷ R.O.W. area acres x 100 = % impervious cover.

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

A rest stop will not be included in this project.

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

## Stormwater to be generated by the Proposed Project

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

## Wastewater to be generated by the Proposed Project

25. Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.

🗌 N/A

26. Wastewater will be disposed of by:

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

<ul> <li>Attachment F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.</li> <li>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.</li> </ul>
Sewage Collection System (Sewer Lines):
The sewage collection system will convey the wastewater to the <u>City of Cedar Park</u> (name) Treatment Plant. The treatment facility is:
Treatment Plant. The treatment facility is:

🔀 Existing.	
Propose	d.
N/A	

## Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

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

N/A

27. Tanks and substance stored:

### Table 2 - Tanks and Substance Storage

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1			
2			
3			
4			
5			
		Тс	otal x 1.5 = Gallons

28. The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than

one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

Attachment G - Alternative Secondary Containment Methods. Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are attached.

29. Inside dimensions and capacity of containment structure(s):

 Table 3 - Secondary Containment

Length (L)(Ft.)	Width(W)(Ft.)	Height (H)(Ft.)	L x W x H = (Ft3)	Gallons

Total: \_\_\_\_\_ Gallons

30. Piping:

] All piping, hoses, and dispensers will be located inside the containment structure.

Some of the piping to dispensers or equipment will extend outside the containment structure.

The piping will be aboveground

] The piping will be underground

- 31. The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of:
- 32. Attachment H AST Containment Structure Drawings. A scaled drawing of the containment structure is attached that shows the following:
  - Interior dimensions (length, width, depth and wall and floor thickness).
  - Internal drainage to a point convenient for the collection of any spillage.

Tanks clearly labeled

Piping clearly labeled

Dispenser clearly labeled

33. Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.

In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.

In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

## Site Plan Requirements

Items 34 - 46 must be included on the Site Plan.

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

Site Plan Scale: 1" = <u>30</u>'.

35. 100-year floodplain boundaries:

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

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

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): <u>FEMA Map No. 48491C0470F</u>, <u>Effective December 20,2019</u>, and <u>FEMA Map No. 48491C0610F</u>, <u>Effective December 20</u>, 2019.

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

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

- 37.  $\square$  A drainage plan showing all paths of drainage from the site to surface streams.
- 38. 🖂 The drainage patterns and approximate slopes anticipated after major grading activities.
- 39.  $\boxtimes$  Areas of soil disturbance and areas which will not be disturbed.
- 40. 🔀 Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 41. 🔀 Locations where soil stabilization practices are expected to occur.
- 42. Surface waters (including wetlands).

N/A

- 43. Locations where stormwater discharges to surface water.
  - There will be no discharges to surface water.
- 44. Temporary aboveground storage tank facilities.

Temporary aboveground storage tank facilities will not be located on this site.

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45. Permanent aboveground storage tank facilities.

Permanent aboveground storage tank facilities will not be located on this site.

46.  $\square$  Legal boundaries of the site are shown.

## Permanent Best Management Practices (BMPs)

### Practices and measures that will be used during and after construction is completed.

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

🗌 N/A

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

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

🗌 N/A

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

🗌 N/A

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

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

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

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

The executive director may waive the requirement for other permanent BMPs for multi-
family residential developments, schools, or small business sites where 20% or less
impervious cover is used at the site. This exemption from permanent BMPs must be
recorded in the county deed records, with a notice that if the percent impervious cover
increases above 20% or land use changes, the exemption for the whole site as described in
the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing
and Approval), may no longer apply and the property owner must notify the appropriate
regional office of these changes.

	Attachment I - 20% or Less Impervious Cover Waiver. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached. The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover. The site will not be used for multi-family residential developments, schools, or small business sites.
52. 🔀 Atta	achment J - BMPs for Upgradient Stormwater.
	A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached. No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached. Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.
53. 🔀 Atta	achment K - BMPs for On-site Stormwater.
	A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached. Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.
54. 🔀 Atta that	achment L - BMPs for Surface Streams. A description of the BMPs and measures t prevent pollutants from entering surface streams is attached.
N/A	N Contraction of the second
55. 🔀 Atta proj supo	achment M - Construction Plans. Construction plans and design calculations for the posed permanent BMPs and measures have been prepared by or under the direct ervision of a Texas Licensed Professional Engineer, and are signed, sealed, and

dated. Construction plans for the proposed permanent BMPs and measures are

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attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

N/A

56. Attachment N - Inspection, Maintenance, Repair and Retrofit Plan. A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:
Prepared and certified by the engineer designing the permanent BMPs and measures
<ul> <li>Signed by the owner or responsible party</li> <li>Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.</li> <li>Contains a discussion of record keeping procedures</li> </ul>
□ N/A
57. Attachment O - Pilot-Scale Field Testing Plan. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
N/A
58. Attachment P - Measures for Minimizing Surface Stream Contamination. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that result in water quality degradation.
□ N/A

## Responsibility for Maintenance of Permanent BMPs and Measures after Construction is Complete.

- 59. The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
- 60. A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development,

or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

## Administrative Information

- 61. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions.
- 62. Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.
- 63. The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.
  - The Temporary Stormwater Section (TCEQ-0602) is included with the application.





### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "C"

## **PROJECT NARRATIVE**

## SWAGELOK AUSTIN

The 4.663-acre Swagelok Austin project is located at 1017 Innovation Way Cedar Park, Texas 78613. This tract is located in the City of Cedar Park city limits, zoned LI, and within Williamson County, Texas. Phase 1 of the site is completed, and this Contributing Zone Plan is being submitted for Phase 2 of this project.

This tract is located within the Edwards Aquifer Contributing Zone.

The required water quality and detention facilities were reviewed, approved, and have been previously constructed with the BMC Lumber Subdivision improvements (TCEQ Approved CZP EAPP#11-06102701), see attached letter. The capacity of the wet basin is 289,055 ft<sup>3</sup>, accommodating a total of 57 acres of impervious cover. However, a portion of the original area meant to go to this existing pond has since been acquired for the 183A right of way, resulting in a new potential impervious cover of 52.8 acres. The last known approved CZP contributing into the existing wet basin is the Brushy Creek Corporate Center (TCEQ Approved CZP EAPP#11000552), see attached letter. The last known impervious cover contributions from the developments are shown below. There are approximately 39.12 acres of impervious cover to be allotted in the existing wet basin.

EAPP ID No.	Impervious Cover (Ac.)
11-06102701	1.97
11-07051002	14.14
11-13100803	2.20
11-13112002	4.83
11000363	13.14
11000552	2.84
	Sum: 39.12 acres

The modified CZP for the Swagelok Site Plan is submitted to update TCEQ Approved CZP EAPP#11000552 and increase the impervious cover from 61% (2.84 acres) to 62% (2.90 acres) for the 4.663 acres tract, therefore, there remains adequate capacity in the existing wet basin to convey and treat the runoff from this project. The storm water runoff from this tract will be collected by an on-site storm sewer system, which is directed into the existing water quality / detention facility. The updated impervious cover contribution from the Swagelok development is shown below:

EAPP ID No.	Impervious Cover (Ac.)	
11-06102701	1.97	
11-07051002	14.14	
11-13100803	2.20	
11-13112002	4.83	
11000363	13.14	
11000552 (Update)	2.90	
	Sum: 39.18 acres	

Therefore, there are approximately 39.18 acres of impervious cover treated by the wet basin, leaving a total of 13.62 acres of future impervious cover to be allotted in the existing wet basin after the Swagelok development.

No portion of this tract is within the boundaries of the 100-year floodplain as shown on Federal Flood Insurance Administration FEMA FIRM Panel No. 48491C0470F, effective 12/20/2019, and FEMA FIRM Panel No. 48491C0610F, effective 12/20/2019.

## CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "D"

## FACTORS AFFECTING SURFACE WATER QUALITY

## SWAGELOK AUSTIN

The factors that could affect surface water quality attributable to the construction of the site consist of the following:

- 1. Erosion due to soil disturbance during clearing and grubbing excavation,
- embankment, trenching and backfilling utilities, final grading.
- 2. Use and handling of asphaltic pavement
- 3. Use and handling of Portland cement concrete
- 4. Heavy rains during construction
- 5. Storage of equipment on-site
- 6. Fueling and maintenance of equipment on-site
- 7. Accidental spills of minor amounts of petroleum based products such as paint, glue and sealants during construction
- 8. Storage of construction materials on-site
- 9. Waste generation, storage and disposal

### Temporary Best Management Practices

These factors associated with the construction of the various improvements are kept in check through the Temporary Best Management Practices.

### Permanent Best Management Practices

After construction of the various improvements and the site is restored and revegetated the factors that could affect water quality consist of the following:

- 1. Pollutants associated with runoff from parking and paved areas.
- 2. Pollutants associated with roof runoff.
- 3. Pollutants associated with runoff from maintained vegetation.
- 4. Litter.

For all factors, pollutant effects will be reduced by treatment of the offsite wet pond that will capture and treat the runoff.

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "E"

#### VOLUME AND CHARACTER OF STORMWATER

#### SWAGELOK AUSTIN

Runoff from this project will consist of stormwater runoff typical to commercial projects which consists of runoff from roofs, driveways and parking. This runoff will be conveyed to the on-site water quality and detention pond via underground storm sewer and open channel. The previously approved TSS Loading Calculations for the existing w.q. pond, (TCEQ CZP EAPP #06102701) assumes a maximum impervious cover of 80% for the adjacent areas draining to the pond. This project is proposing 62% impervious cover. Texas Commission on Environmental Quality TSS Removal Calculations Project Name: Swagelok Date Prepared: 2/9/2017 (Revised 4/11/2017) (Revised 5/12/2025) Pages 3-27 to 3-30 1. The Required Load Reduction for the total project: Calculations from RG-348 Page 3-29 Equation 3.3: L<sub>M</sub> = 27.2(A<sub>M</sub> x P) where: L<sub>M TOTAL PROJECT</sub> = Required TSS removal resulting from the proposed development = 80% of increased load A<sub>N</sub> = Net increase in impervious area for the project P = Average annual precipitation, inches Site Data: Determine Required Load Removal Based on the Entire Project County = Williamson Total project area included in plan 4.663 acres Predevelopment impervious area within the limits of the plan 0.00 acres Total post-development impervious area within the limits of the plan acres Total post-development impervious cover fraction 0.62 Þ 32 inches L<sub>M TOTAL PROJECT</sub> = 2522 lbs. \* The values entered in these fields should be for the total project area. Number of drainage basins / outfalls areas leaving the plan area = 1 2. Drainage Basin Parameters (This information should be provided for each basin): Drainage Basin/Outfall Area No. = 203-213 Total drainage basin/outfall area = \*Onsite Drainage Area 4.66 acres Predevelopment impervious area within drainage basin/outfall area = 0.00 acres Post-development impervious area within drainage basin/outfall area = 2.90 \*Onsite Impervious Cover acres Post-development impervious fraction within drainage basin/outfall area = 0.62 L<sub>M THIS BASIN</sub> = 2522 lbs. 3. Indicate the proposed BMP Code for this basin. Proposed BMP = Wet Basin 93 Removal efficiency = percent 4. Calculate Maximum TSS Load Removed (L<sub>R</sub>) for this Drainage Basin by the selected BMP Type. RG-348 Page 3-33 Equation 3.7: L<sub>R</sub> = (BMP efficiency) x P x (A<sub>1</sub> x 34.6 + A<sub>P</sub> x 0.54) A<sub>C</sub> = Total On-Site drainage area in the BMP catchment area where:  $A_{\rm I}$  = Impervious area proposed in the BMP catchment area A<sub>P</sub> = Pervious area remaining in the BMP catchment area  $L_R$  = TSS Load removed from this catchment area by the proposed BMP  $A_c =$ 4.66 acres A<sub>I</sub> = 2.90 acres

A<sub>P</sub> =

L. =

1.77

3011

acres

lbs

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

Desired L <sub>M THIS BASIN</sub> =	2522	lbs.		
F =	0.84			
6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.			Calculations from RG-348	Pages 3-34 to 3-36
Rainfall Depth = Post Development Runoff Coefficient =	1.26 0.44	inches		
On-site Water Quality Volume =	9304	cubic feet		
	Calculations	from RG-348	Pages 3-36 to 3-37	
Off-site area draining to BMP =	1.86	acres		
Off-site Impervious cover draining to BMP =	0.00	acres		
Impervious fraction of off-site area =	0.00			
Off-site Runon Coencient = Off-site Water Quality Volume =	170	cubic feet		

 Storage for Sediment =
 1895

 Total Capture Volume (required water quality volume(s) x 1.20) =
 11369
 cubic feet
#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "F"

## SUITABILITY LETTER FROM AUTHORIZED AGENT

## SWAGELOK AUSTIN

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "G"

## ALTERNATIVE SECONDARY CONTAINMENT METHODS

#### SWAGELOK AUSTIN

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "H"

#### AST CONTAINMENT STRUCTURE DRAWINGS

## SWAGELOK AUSTIN

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "I"

#### 20% OR LESS IMPERVIOUS COVER WAIVER

## SWAGELOK AUSTIN

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "J"

#### **BMPs FOR UPGRADRIENT STORMWATER**

#### SWAGELOK AUSTIN

Areas that drain towards the Swagelok site are included within the wet pond's designed drainage area. The upgradient stormwater will be routed to the existing wet pond via underground storm sewer and open channel.

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "K"

#### **BMPs FOR ON-SITE STORMWATER**

#### SWAGELOK AUSTIN

BMP's for on-site stormwater include the following:

Temporary BMP's:

- 1. Silt Fence
- 2. Concrete Washout Areas

Permanent BMP's:

The required water quality and detention facilities were reviewed, approved, and have been constructed with the BMC Lumber Subdivision improvements, (see attached). The ponds and storm conveyance of the BMC Lumber Subdivision were designed to capture and treat runoff from this site. The pond and storm sewer calculations assumed 80% impervious coverage from this site. The proposed Swagelok project has 62% of proposed Impervious Cover.

The storm water runoff from this tract will be collected by both on-site and off-site.

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "L"

### **BMPs FOR SURFACE STREAMS**

#### SWAGELOK AUSTIN

BMP's for surface streams include an existing off-site wet pond. Additionally, silt fence and a concrete washout area will be in place during the construction phase of the site to protect surface streams.

#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "M"

#### **CONSTRUCTION PLANS**

#### SWAGELOK AUSTIN

See attached

SUBMITTED FOR APPROVAL MALONE/WHEELER. INC.

DANIEL J. BROWN, P.E. **REGISTERED PROFESSIONAL ENGINEER NO. 98337** 

5.5.17 DATE



**REVIEWED FOR CODE COMPLIANCE** SIGNATURE REQUIRED FROM ALL DEPARTMENTS 5/10/2017 PLANNIN <u>5/11/17</u> DATE 5/11/17 DATE 5/11/17 5/15/17 5/12/17 DATE

PERMIT NO. SD-16-00024 SITE DEVELOPMENT PERMIT NUMBER

#### **BENCHMARK:**

"X" CUT ON STORM SEWER INLET ON EAST SIDE OF BMC DRIVE APPROXIMATELY 78' SOUTHEAST OF THE NORTHEAST CORNER OF LOT 2A, ELEVATION 655.94

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTES:

THIS PROJECT IS LOCATED WITHIN ZONE X, AS SHOWN ON F.E.M.A. MAP NO. 48491C0470F, DATED DECEMBER 20, 2019 AND F.E.M.A. MAP NO. 48491C0610F, DATED DECEMBER 20, 2019. THIS SITE IS LOCATED WITHIN THE EDWARDS AQUIFER CONTRIBUTING ZONE.

STORM WATER DETENTION AND WATER QUALITY FOR THIS PROJECT IS PROVIDED BY THE "BMC LUMBER SUBDIVISION" POND.

LIGHT SOURCES SHALL BE COMPLETELY CONCEALED WITHIN OPAQUE HOUSINGS AND SHALL NOT BE VISIBLE FROM ADJACENT STREETS OR PROPERTIES. ALL EXTERIOR LIGHTING FIXTURES SHALL BE FULL CUT-OFF TYPE FIXTURES. LIGHTING FIXTURES SHALL BE NO MORE THAN TWENTY-FIVE (25) FEET IN HEIGHT AS MEASURED FROM ADJACENT FINISHED GRADE.

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

C1	UPDATE LOC, ENS CONTROLS, RELOCATE FDC, ADD FIRE HYDRANT, CONNECT TRENCH DRAIN TO EXISTING STORM LINE, UPDATE IC TABLE, RELOCATE ADA PARKING SPOTS AND ASSOCIATED RAMP, ADD SIDEWALK.			(R) - 01, 06, 07, 08, 10, 22, AND 24
NO.	REVISION DESCRIPTION	APPROVED BY	DATE	SHEET (R) - REVISED, (A) - ADDED NUMBER (N) - REPLACEMENT

# SITE DEVELOPMENT PLANS FOR SWAGELOK **1017 INNOVATION WAY** CEDAR PARK, TEXAS 78613

LEGAL DESCRIPTION

LOT 2A, RESUBDIVISION OF LOT 1 AND LOT 2, BLOCK "A," BMC LUMBER SUBDIVISION NUMBER ONE.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF TWO ONE-STORY OFFICE/WAREHOUSE AND FABRICATOR BUILDINGS OF 28.664 SF. AND 14.400 SF., ON A 4.66 ACRE SITE, WITH ASSOCIATED PARKING, DRIVES AND UTILITY IMPROVEMENTS.



LOCATION MAP N.T.S.

DATE OF SUBMITTAL: 04/06/2017

# MEP:

HMG & ASSOCIATES C/O: GEORGE BOCANEGRA 9606 NO. MOPAC, STE 350 AUSTIN, TEXAS 78759 PH: (512) 794-3284

# ARCHITECT:

DAVID BESSENT ARCHITECTS 115 WILD BASIN RD. S **SUITE 105** AUSTIN, TEXAS 78746 PH: (512) 327-6868

## **DEVELOPER/OWNER:**

SWAGELOK, INC.

9825 SPECTRUM DR., SUITE 200 AUSTIN, TEXAS 78717 CONTACT: FRED KAIMER PH: (512) 832-5057

## SURVEYOR:

BASELINE LAND SURVEYORS, INC. 8333 CROSS PARK DRIVE AUSTIN, TEXAS 78754 PH: (512) 374-9722

## GEOTECHNICAL:

ECS TEXAS, LLP MICHAEL SORGENFREI, P.E. 2120 DENTON DRIVE, STE 105 AUSTIN, TEXAS 78758 PH: (512) 794-3284

# LANDSCAPE ARCHITECT:

**THOMAS D. BROWN & ASSOCIATES** 2 DEPOT SQUARE, SUITE B ELGIN, TEXAS 78621 PH: (512) 328-3269

COVER SHEET
PLAT
PLAT
GENERAL NOTES
GENERAL NOTES
SITE PLAN
FIRE PROTECTION PLAN
EROSION-SEDIMENTATION PLAN
EXISTING DRAINAGE AREA MAP
GRADING PLAN
PROPOSED DRAINAGE AREAS
BMC LUMBER SUBDIVISION INFRASTRUCTURE PLANS
STORMSEWER PLAN
STORMSEWER PROFILES
WATER AND WASTEWATER PLAN ')
WASTEWATER LINE A PROFILE
DETAIL SHEET
DETAIL SHEET
DETAIL SHEET
DETAIL SHEET
BUILDING ELEVATIONS

# CAUTION!!!

EXISTING OVERHEAD UTILITIES IN VICINITY. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR ELECTRIC FACILITIES.



ENGINEER



CIVIL ENGINEERING \* DEVELOPMENT CONSULTING \* PROJECT MANAGEMENT

5113 Southwest Pkwy, Suite 260 Austin, Texas 78735 Phone: (512) 899-0601 Fax: (512) 899-0655 Firm Registration No. F-786

3

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AN

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**OPMENT** 

DEVEL

SITE



AMEN LOT 1A & L BEING A RI LOT 1 AND LUMBER SUE CAB. C( BMC 5



NO VARIANCES

I. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF AUSTIN STANDARD SPECIFICATIONS. CITY OF AUSTIN STANDARDS SHALL BE USED UNLESS OTHERWISE NOTED. 2. DESIGN PROCEDURES SHALL BE IN GENERAL COMPLIANCE WITH THE CITY OF AUSTIN DRAINAGE CRITERIA MANUAL. ALL VARIANCES TO THE MANUAL ARE LISTED BELOW:

3. THE CONTRACTOR SHALL GIVE THE CITY A MINIMUM OF 48 HOURS NOTICE BEFORE BEGINNING EACH PHASE OF CONSTRUCTION. THE PHASES OF CONSTRUCTION ARE AS FOLLOWS:

#### SEE SHEET 06 - SITE PLAN

4. BENCHMARKS SHOULD BE TIED TO THE CITY OF CEDAR PARK BENCHMARKS AND BE CORRECTLY "GEOREFERENCED" TO STATE PLANE COORDINATES. A LIST OF THE CITY'S BENCHMARKS CAN BE FOUND AT WWW.CEDARPARKTEXAS.GOV, CLICK ON CITY SERVICES; NAVIGATE TO E SERVICES, GIS MAPPING AND GIS MAPS AND MONUMENTS. LIST BENCHMARKS USED FOR THIS PROJECT AND GIVE LOCATION AND ELEVATION.

5. PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR A SITE DEVELOPMENT PERMIT, THE RIGHT OF WAY BETWEEN THE PROPERTY LINE AND EDGE OF PAVEMENT / BACK OF CURB SHALL BE REVEGETATED ACCORDING TO COA SPECIFICATION 602S AND 606S. PRIOR TO CITY ACCEPTANCE OF SUBDIVISION IMPROVEMENTS ALL GRADED AND DISTURBED AREAS ARE TO BE RE-VEGETATED IN ACCORDANCE WITH THE CITY OF AUSTIN SPECIFICATION ITEM #604.

6. THE CONTRACTOR SHALL PROVIDE THE CITY OF CEDAR PARK COPIES OF ALL TEST RESULTS PRIOR TO ACCEPTANCE OF SUBDIVISION IMPROVEMENTS 7. CITY, OWNER, ENGINEER, CONTRACTOR, REPRESENTATIVES OF ALL UTILITY COMPANIES, AND A REPRESENTATIVE FROM THE

TESTING LAB SHALL ATTEND PRE-CONSTRUCTION CONFERENCE PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE THE MEETING WITH THE CITY OF CEDAR PARK ENGINEERING DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO THIS PRE-CONSTRUCTION MEETING (512-401-5000). FINAL CONSTRUCTION PLANS SHALL BE DELIVERED TO ENGINEERING A MINIMUM OF SEVEN BUSINESS DAYS PRIOR TO REQUESTING A PRE-CONSTRUCTION MEETING.

8. EXCESS SOIL SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. NOTIFY THE CITY OF CEDAR PARK IF THE DISPOSAL SITE IS INSIDE THE CITY'S JURISDICTIONAL BOUNDARIES. 9. NO BURNING IS ALLOWED

10. ANY CHANGES OR REVISIONS TO THESE PLANS MUST FIRST BE SUBMITTED TO THE CITY BY THE DESIGN ENGINEER FOR REVIEW AND WRITTEN APPROVAL PRIOR TO CONSTRUCTION OF THE REVISION

11. MINIMUM SETBACK REQUIREMENTS FOR EXISTING AND NEWLY PLANTED TREES FROM THE EDGE OF PAVEMENT TO CONFORM TO THE REQUIREMENTS AS SHOWN IN TABLE 6-1 OF THE CITY OF AUSTIN'S TRANSPORTATION CRITERIA MANUAL. 12. THE CONTRACTOR WILL REIMBURSE THE CITY FOR ALL COST INCURRED AS A RESULT OF ANY DAMAGE TO ANY CITY UTILITY OR ANY INFRASTRUCTURE WITHIN THE RIGHT-OF-WAY BY THE CONTRACTOR, REGARDLESS OF THESE PLANS.

13. AN ENGINEER'S CONCURRENCE LETTER AND 22"X34" RECORD DRAWINGS (ONE MYLAR COPY AND A DIGITAL COPY ON A CD ROM) SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY OR SUBDIVISION ACCEPTANCE. THE ENGINEER AND CONTRACTOR SHALL VERIFY THAT ALL FINAL REVISIONS AND CHANGES HAVE BEEN MADE TO BOTH THE MYLAR AND DIGITAL COPY PRIOR TO CITY SUBMITTAL. RECORD CONSTRUCTION DRAWINGS, INCLUDING ROADWAY AND ALL UTILITIES, SHALL BE PROVIDED TO THE CITY IN DIGITAL FORMAT AS AUTOCAD ". DWG" FILES, ".PDF", AND ".TIF" FILES ON CD ROM. LINE WEIGHTS, LINE TYPES AND TEXT SIZE SHALL BE SUCH THAT IF HALF-SIZE PRINTS (11"X 17") WERE PRODUCED, THE PLANS WOULD STILL BE LEGIBLE. ALL REQUIRED DIGITAL FILES SHALL CONTAIN A MINIMUM OF TWO (2) CONTROL POINTS REFERENCED TO THE STATE PLANE GRID COORDINATE SYSTEM - TEXAS CENTRAL ZONE (4203), IN US FEET AND SHALL INCLUDE ROTATION INFORMATION AND SCALE FACTOR REQUIRED TO REDUCE SURFACE COORDINATES TO GRID COORDINATES IN US FEET.

14. THE CITY OF CEDAR PARK HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT. IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE COMPLIANCE WITH ALL LEGISLATION RELATED TO ACCESSIBILITY WITHIN THE LIMITS OF CONSTRUCTION SHOWN IN THESE PLANS.

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

16. NO BLASTING IS ALLOWED ON THIS PROJECT 17. A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO ANY PARTIAL OR COMPLETE ROADWAY CLOSURES. TRAFFIC CONTROL PLANS SHALL BE SITE SPECIFIC AND SEAL BY A REGISTERED PROFESSIONAL ENGINEER

18. THE CONTRACTOR SHALL KEEP THE SITE CLEAN AND MAINTAINED AT ALL TIMES, TO THE SATISFACTION OF THE CITY. THE SUBDIVISION WILL NOT BE ACCEPTED (OR CERTIFICATE OF OCCUPANCY ISSUED) UNTIL THE SITE HAS BEEN CLEANED TO THE SATISFACTION OF THE CITY

19. SIGNS ARE NOT PERMITTED IN PUBLIC UTILITY EASEMENTS, SET BACKS OR DRAINAGE EASEMENTS. 20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT TEMPORARY EROSION CONTROLS ON A DAILY BASIS.

ADJUST THE CONTROLS AND/OR REMOVE ANY SEDIMENT BUILDUP AS NECESSARY. 21. A FINAL CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED ON COMMERCIAL SITES UNTIL ALL DISTURBED AREAS HAVE BEEN RE-VEGETATED. SUBSTANTIAL GRASS COVER, AS DETERMINED BY PUBLIC WORKS DEPARTMENT, MUST BE ACHIEVED PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY. ALL EROSION CONTROLS MUST REMAIN IN PLACE AND MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN REVEGETATED TO THE ACCEPTANCE OF THE CITY OF CEDAR PARK PUBLIC WORKS DEPARTMENT. PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR A SITE DEVELOPMENT PERMIT, THE RIGHT OF WAY BETWEEN THE PROPERTY LINE AND EDGE OF PAVEMENT / BACK OF CURB SHALL BE REVEGETATED ACCORDING TO COA SPECIFICATION 602S AND 606S.

22. CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS, CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER, ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM

23. ALL WET UTILITIES SHALL BE INSTALLED AND ALL DENSITIES MUST HAVE PASSED INSPECTION(S) PRIOR TO THE INSTALLATION OF DRY UTILITIES.

24. A MINIMUM OF SEVEN DAYS OF CURE TIME IS REQUIRED FOR HMAC PRIOR TO THE INTRODUCTION OF VEHICULAR TRAFFIC TO ANY STREETS

25. PRIOR TO PLAN APPROVAL. THE ENGINEER SHALL SUBMIT TO THE CITY OF CEDAR PARK (COCP) DOCUMENTATION OF SUBDIVISION/SITE REGISTRATION WITH THE TEXAS DEPARTMENT OF LICENSING AND REGULATIONS (TDLR) AND PROVIDE DOCUMENTATION OF REVIEW AND COMPLIANCE OF THE SUBDIVISION/SITE CONSTRUCTION PLANS WITH TEXAS ARCHITECTURAL BARRIERS ACT (TABA).

26. PRIOR TO SUBDIVISION/SITE ACCEPTANCE, THE ENGINEER/DEVELOPER-OWNER SHALL SUBMIT TO THE COCP DOCUMENTATION THAT THE SUBDIVISION/SITE WAS INSPECTED BY TDLR OR A REGISTERED ACCESSIBILITY SPECIALIST (RAS) AND THE SUBDIVISION/SITE IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE TABA. 27, ALL CONSTRUCTION AND CONSTRUCTION RELATED ACTIVITIES SHALL BE PERFORMED MONDAY THRU FRIDAY FROM 7:00 A.M.

TO 6:00 P.M. HOWEVER, CONSTRUCTION ACTIVITIES WITHIN ONE HUNDRED FEET (100') OF A DWELLING OR DWELLING UNIT THAT IS BOTH OCCUPIED AS A RESIDENCE AND ALSO LOCATED WITHIN ONE HUNDRED FEET (100') OF THE TOLL ROAD 183A RIGHT-OF-WAY SHALL BE PERFORMED BETWEEN THE HOURS OF 8:00 A.M. AND 6:00 P.M. APPROVAL FOR CONSTRUCTION ACTIVITIES PERFORMED ON SATURDAY SHALL BE OBTAINED IN WRITING 48 HOURS IN ADVANCE, AND INSPECTION FEES AT 1.5 TIMES THE HOURLY INSPECTION RATE SHALL BE BILLED DIRECTLY TO THE CONTRACTOR. THERE SHALL BE NO CONSTRUCTION OR CONSTRUCTION RELATED ACTIVITIES PERFORMED ON SUNDAY. THE CITY RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT CITY INSPECTION.

28. ALL POLES TO BE APPROVED BY CITY AND PEC, NO CONDUIT SHALL BE INSTALLED DOWN LOT LINES / BETWEEN HOMES. ALL CONDUIT SHALL BE LOCATED IN THE PUBLIC ROW OR IN AN EASEMENT ADJACENT TO AND PARALLEL TO THE PUBLIC ROW. 29. DRY UTILITIES SHALL BE INSTALLED AFTER SUBGRADE IS CUT AND BEFORE FIRST COURSE BASE. NO TRENCHING OF COMPACTED BASE. IF NECESSARY DRY UTILITIES INSTALLED AFTER FIRST COURSE BASE SHALL BE BORED ACROSS THE FULL WIDTH OF THE ROW.

30. NO PONDING OF WATER SHALL BE ALLOWED TO COLLECT ON OR NEAR THE INTERSECTION OF PRIVATE DRIVEWAY(S) AND A PUBLIC STREET. RECONSTRUCTION OF THE DRIVEWAY APPROACH SHALL BE AT THE CONTRACTOR'S EXPENSE. 31. ALL DRIVEWAY APPROACHES SHALL HAVE A UNIFORM TWO PERCENT SLOPE WITHIN THE ROW UNLESS APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.

#### STREET NOTES

1. NO TRENCHING OF COMPACTED BASE WILL BE ALLOWED. A PENALTY AND/OR FINE MAY BE IMPOSED TO THE GENERAL CONTRACTOR IF TRENCHING OF COMPACTED BASE OCCURS WITHOUT CITY APPROVAL, REGARDLESS OF WHO PERFORMED THE TRENCHING

2. ALL SIDEWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CITY OF CEDAR PARK HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT, OR ANY OTHER ACCESSIBILITY LEGISLATION, AND DOES NOT WARRANTY OR APPROVE THESE PLANS FOR ANY ACCESSIBILITY STANDARDS.

3. STREET BARRICADES SHALL BE INSTALLED ON ALL DEAD END STREETS AND AS NECESSARY DURING CONSTRUCTION TO MAINTAIN JOB SAFETY. 4. ANY DAMAGE CAUSED TO EXISTING PAVEMENT, CURBS, SIDEWALKS, RAMPS, ETC., SHALL BE REPAIRED BY THE CONTRACTOR

TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SUBDIVISION. 5. AT INTERSECTIONS, WHICH HAVE VALLEY DRAINAGE, THE CROWN TO THE INTERSECTING STREET WILL BE CULMINATED AT A

DISTANCE OF 40 FT. FROM THE INTERSECTING CURB LINE UNLESS OTHERWISE NOTED. 6. THE SUBGRADE MATERIAL WAS TESTED BY TERRACON CONSULTANTS, INC, 5307 INDUSTRIAL OAKS BLVD., SUITE 160, AUSTIN, TX. 78735, PHONE: 512-442-1122, ON 9/15/2015. THE PAVEMENT SECTIONS WERE DESIGNED ACCORDINGLY. THE PAVEMENT SECTIONS ARE TO BE CONSTRUCTED AS FOLLOWS: REFER TO GEOTECH REPORT FROM TERRACON CONSULTANTS, INC. DATED 9/15/2015.

7. DENSITY TESTING OF COMPACTED SUBGRADE MATERIAL, FIRST COURSE AND SECOND COURSE COMPACTED BASE, SHALL BE MADE AT 500 FOOT INTERVALS.

8. ALL DENSITY TESTING IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR AND SHALL BE WITNESSES BY THE CITY OF CEDAR PARK REPRESENTATIVE. THE CONTRACTOR IS TO NOTIFY THE CITY 48 HOURS PRIOR TO SCHEDULED DENSITY TESTING. 9. TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND INSTALLED AS DIRECTED BY THE CITY OF CEDAR PARK PRIOR TO CITY ACCEPTANCE OF THE SUBDIVISION.

10. SLOPE OF NATURAL GROUND ADJACENT TO THE RIGHT-OF-WAY SHALL NOT EXCEED 3:1. IF A 3:1 SLOPE IS NOT POSSIBLE, A RETAINING WALL OR SOME OTHER FORM OF SLOPE PROTECTION APPROVED BY THE CITY SHALL BE PLACED IN A LOCATION ACCEPTABLE TO THE CITY

11. THE CITY, ENGINEER, CONTRACTOR, AND A REPRESENTATIVE FROM THE ASPHALT TESTING LAB SHALL ATTEND A PRE-PAVING CONFERENCE PRIOR TO THE START OF HMAC PAVING. THE CONTRACTOR SHALL GIVE THE CITY A MINIMUM OF 48 HOURS NOTICE PRIOR TO THIS MEETING (512-401-5000).

#### STREET NOTES (CONT.):

12. THE CONTRACTOR OR OWNER IS RESPONSIBLE FOR CONDUCTING TESTS ON ASPHALT PAVEMENT IN ACCORDANCE WITH THE 1. MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE REQUIREMENTS SET FORTH IN THE CITY OF AUSTIN STANDARD SPECIFICATION NO. 340. ANY RE-TESTING OF THE ASPHALT OWNER'S EXPENSE BY THE CONTRACTOR WITH CITY INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO PAVEMENT SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE ENGINEER AND THE CITY OF CEDAR PARK. RE-TESTING OF FINAL PAVING CONSTRUCTION. CONTRACTOR SHALL BACKFILL AROUND MANHOLES AND JUNCTION BOXES WITH CLASS A THE ASPHALT PAVEMENT SHALL BE LIMITED TO ONE RETEST PER PROJECT. 13. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL COMPLY WITH MUTCH STANDARDS. STREET NAME LETTER SIZING SHALL BE IN 2. ALL MANHOLE LIDS SHALL BE 32" OR LARGER, UNLESS EXPRESSLY APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT. ACCORDANCE WITH MUTCDTABLE2D-2. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. 3. THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS IS THE BEST AVAILABLE AND MAY NOT BE ACCURATE. 14. ALL SIGNS SHALL BE HIGH INTENSITY RETRO GRADE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE 15. NO FENCING OR WALL IS ALLOWED TO BE CONSTRUCTED SO THAT IT OBSTRUCTS THE SIGHT LINES OF DRIVERS FROM AN INTERSECTING PUBLIC ROADWAY OR FROM AN INTERSECTING PRIVATE DRIVEWAY. SIGHT LINES ARE TO BE MAINTAINED AS CONTRACTOR DESCRIBED IN CITY CODE SECTION 14.05.007. INSTALLING A FENCE OR WALL WHICH DOES NOT COMPLY WITH THE CITY'S SIGHT 4. PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, ALL DISTANCE REQUIREMENTS OR FENCING REGULATIONS IS A VIOLATION OF THE CITY'S ORDINANCE AND MAY BE PUNISHABLE STORM SEWER RCP SHALL BE CLASS III. CORRUGATED METAL PIPE IS NOT PERMITTED. PURSUANT TO SECTION 1.01.009 OF CITY CODE. 5. ALL MANHOLE AND INLET COVERS SHALL READ "CITY OF CEDAR PARK".

16. TEMPORARY ROCK CRUSHING OPERATIONS ARE NOT ALLOWED. ALL SOURCES FOR FLEXIBLE BASE MATERIAL ARE REQUIRED. TO BE APPROVED BY THE CITY, PRIOR TO BASE PLACEMENT ALL CURRENT TRIAXIAL TEST REPORTS FOR THE PROPOSED STOCKPILES ARE TO BE SUBMITTED TO THE CITY'S PROJECT REPRESENTATIVE FOR REVIEW AND APPROVAL.

WASTEWATER NOTES:

1. MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH THE CITY APPROVAL. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION.

2. THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO BIDDING THE PROJECT.

3. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH AT LEAST 8 MIL. POLYETHYLENE WRAP. 4. ALL WATER MAINS, WASTEWATER MAINS AND SERVICE LINES SHALL MEET CITY OF AUSTIN MINIMUM COVER SPECIFICATIONS. ALL STREETS ARE TO BE CUT TO SUBGRADE PRIOR TO INSTALLATION OF WATER MAINS OR CUTS WILL BE ISSUED BY THE

5. WHERE 48-INCHES OF COVER BELOW SUBGRADE CANNOT BE ACHIEVED FOR WASTEWATER SERVICE LINES ALTERNATE MATERIALS MAY BE USED. A MINIMUM OF 36-INCHES OF COVER BELOW SUBGRADE SHALL BE ACHIEVED. ANY WASTEWATER SERVICE LINE WITH COVER BETWEEN 36-INCH AND 48-INCHES SHALL BE SDR- 26 PVC PRESSURE PIPE 6. GASKETED PVC SEWER MAIN FITTINGS SHALL BE USED TO CONNECT SDR-35 PVC TO SDR-26 PVC PRESSURE PIPE OR C-900. 7. PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: WASTEWATER SDR-26 - (NOTE: SDR-35 WW IS NOT

ALLOWED IN THE ROW)

8. ALL SANITARY SEWERS, EXCLUDING SERVICE LINES, SHALL BE MANDREL TESTED PER TCEQ (TEXAS COMMISSION ON ENVIRONMENTAL QUALITY) CRITERIA. A MANDREL TEST WILL NOT BE PERFORMED UNTIL BACKFILL HAS BEEN IN PLACE FOR A MINIMUM OF 30 DAYS.

9. ALL WASTEWATER LINES 10" AND LARGER SHALL BE TV VIDEO TAPED ACCORDING TO COA 510 AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL SUPPLY TWO COPIES TO THE CITY'S FIELD REPRESENTATIVE. NO SEPARATE PAY UNLESS NOTED ON THE BID FORM.

10. ALL SANITARY SEWERS, INCLUDING SERVICE LINES, SHALL BE AIR TESTED PER CITY OF AUSTIN STANDARD SPECIFICATIONS. 11. DENSITY TESTING OF COMPACTED BACKFILL SHALL BE MADE AT A RATE OF ONE TEST PER TWO FOOT LIFTS PER 500 FEET OF INSTALLED PIPE.

12. CITYSHALL BE GIVEN 48 HOURS NOTICE PRIOR TO ALL TESTING OF WATER AND WASTEWATER LINES. CITY INSPECTION IS REQUIRED FOR ALL TESTING OF WATER AND WASTEWATER LINES. BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, 13. WHERE A WATER OR WASTEWATER LINE CROSSES ABOVE (OR BELOW) A STORM SEWER STRUCTURE AND THE BOTTOM (OR TOP) OF THE PIPE IS WITHIN 18 INCHES OF THE TOP (OR BOTTOM) OF THE UTILITY STRUCTURE, THE PIPE SHALL BE ENCASED SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS WHEN IT OCCUPIES WITH CONCRETE FOR A DISTANCE OF AT LEAST 1 FT. ON EITHER SIDE OF THE DITCH LINE OF THE UTILITY STRUCTURE OR THE STORM SEWER. CONCRETE ENCASEMENT WILL NOT BE REQUIRED FOR DUCTILE IRON (THICKNESS CLASS 50), AWWA C-900 50% OF THE BASIN'S DESIGN CAPACITY. (SDR-18) 150 PSI RATED PVC IN SIZES TO 12 INCHES OR AWWA C-905 (SDR-25) 165 PSI RATED PVC IN SIZES LARGER THAN 12 INCHES. CONCRETE ENCASEMENT SHALL CONFORM TO C.O.A. STANDARD DETAIL 505-1

14. THE ALLOWABLE (MAXIMUM) ADJUSTMENT FOR A MANHOLE SHALL BE 12" (INCHES) OR LESS. 15. WHERE A SEWER LINE CROSSES A WATER LINE, THE SEWER LINE SHALL BE ONE 20 FT. JOINT OF 150 PSI RATED PVC CENTERED ON CROSSING.

16. ALL MANHOLE AND INLET COVERS SHALL READ "CITY OF CEDAR PARK". 17. CONTRACTOR TO NOTIFY, AND OBTAIN APPROVAL FROM, THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING CITY UTILITIES.

18. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS. 19. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS "A" (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.

AFTER TESTING.

21. ALL MANHOLES WILL BE VACUUM TESTED ONLY. 22. TRACER TAPE AND MARKING TAPE SHALL BE INSTALLED ON ALL WATER AND WASTEWATER MAINS IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS, REGARDLESS OF THE TYPE OF PIPE. 23. POLYBIRD COATINGS ON WASTEWATER MANHOLES WILL NOT BE ALLOWED. ANY OTHER PRODUCT APPEARING ON THE COA

SPL WW-511 IS ACCEPTABLE. 24. ALL PRESSURE PIPE SHALL HAVE MECHANICAL RESTRAINT AND CONCRETE THRUST BLOCKING AT ALL VALVES, BENDS, TEES,

PLUGS, AND OTHER FITTINGS.

#### WATER NOTES

1. THE TOP OF VALVE STEMS SHALL BE AT LEAST 18", AND NO MORE THAN 36", BELOW FINISHED GRADE. VALVE STEM RISERS SHALL BE WELDED ON EACH END TO THE CITY'S SATISFACTION. 2. FIRE HYDRANT LEADS TO BE DUCTILE IRON, CLASS 350, AND INSTALLED PER CITY OF AUSTIN STANDARD SPECIFICATIONS AND DETAIL

3. PRIOR TO INSTALLATION OF FIRE HYDRANTS, THE ENGINEER WILL PROVIDE THE CONTRACTOR ONE (1) CUT FROM A HUB PIN, ESTABLISHING THE ELEVATION OF THE BURY LINE.

4. THE ENGINEER SHALL PROVIDE CUTS FOR ALL WATER LINES AT ALL STORM SEWER CROSSINGS TO THE CITY OF CEDAR PARK. 5. PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: WATER C-900 DR-14. COPPER PIPE AND FITTINGS ARE NOT PERMITTED WITHIN THE RIGHT-OF-WAY.

6. APPROVED 5 1/2" FIRE HYDRANTS: AMERICAN FLOW CONTROL, B84B MUELLER COMPANY, SUPER CENTURION 250 CLOW MEDALLION HYDRANT AMERICAN AVK COMPANY, SERIES 27 (MODEL 2780) \*ALL FIRE HYDRANTS MUST MEET CITY OF CEDAR PARK THREAD SPECIFICATIONS (NATIONAL THREAD) \*BLUE REFLECTOR MARKERS SHALL BE LOCATED ON THE CENTERLINE OF THE PAVEMENT ACROSS FROM ALL FIRE HYDRANTS. PAVEMENT MARKERS AT INTERSECTIONS SHALL BE FOUR-SIDED.

7. ALL WATER LINES, INCLUDING SERVICE LINES, SHALL BE PRESSURE AND LEAK TESTED PER CITY OF AUSTIN STANDARD SPECIFICATIONS AND WITNESSED BY THE CITY OF CEDAR PARK REPRESENTATIVE. ALL TESTING IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE CONTRACTOR MAY BE REQUIRED TO RE-TEST LINES IF THE TESTING IS NOT WITNESSED BY THE CITY. CONTRACTOR MUST NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO ANY TESTING.

8. ALL WATER LINES SHALL BE STERILIZED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR STERILIZATION AND THE CITY OF CEDAR PARK IS RESPONSIBLE FOR SUBMITTING BACTERIOLOGICAL SAMPLES TO THE STATE. 9. DENSITY TESTING OF COMPACTED BACKFILL SHALL BE MADE AT A RATE OF ONE TEST PER TWO FOOT LIFTS PER 500 FEET OF INSTALLED PIPE.

10. CONTRACTOR TO OBTAIN A WATER METER FROM THE CITY OF CEDAR PARK FOR ANY WATER THAT MAY BE REQUIRED DURING CONSTRUCTION. (512-401-5000)

11. ALL WATER METER BOXES SHALL BE FORD GULF METER BOX WITH LOCKING LID. A. SINGLE G-148-233 B. DUAL DG-148-243 C. 1" METER YL111 - 444 D. 1 1/2" - 2" METER 1730-R (LID) & 1730-12 (BOX)/ACCEPTABLE BOXES FOR THIS SIZE OF METER 12. MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH CITY INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION

13. THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS IS THE BEST AVAILABLE AND MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

14. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH AT LEAST 8 MIL. POLYETHYLENE WRAP. 15. ALL WATER MAINS, WASTEWATER MAINS AND SERVICE LINES SHALL MEET CITY OF AUSTIN SPECIFICATIONS MINIMUM COVER REQUIREMENTS. ALL STREETS ARE TO BE CUT TO SUBGRADE PRIOR TO INSTALLATION OF WATER MAINS OR CUTS WILL BE **ISSUED BY THE ENGINEER** 

16. CITY TO BE GIVEN 48 HOURS NOTICE PRIOR TO ALL TESTING OF WATER AND WASTEWATER LINES. CITY INSPECTION IS REQUIRED FOR ALL TESTING OF WATER AND WASTEWATER LINES.

17. WHERE A WATER OR WASTEWATER LINE CROSSES ABOVE (OR BELOW) A STORM SEWER STRUCTURE AND THE BOTTOM (OR TOP) OF THE PIPE IS WITHIN 18 INCHES OF THE TOP (OR BOTTOM) OF THE UTILITY STRUCTURE, THE PIPE SHALL BE ENCASED WITH CONCRETE FOR A DISTANCE OF AT LEAST 1 FT. ON EITHER SIDE OF THE DITCH LINE OF THE UTILITY STRUCTURE OR THE STORM SEWER, CONCRETE ENCASEMENT WILL NOT BE REQUIRED FOR DUCTILE IRON (THICKNESS CLASS 50), AWWA C-900 (SDR-18) 150 PSI RATED PVC IN SIZES TO 12 INCHES OR AWWA C-905 (SDR-25) 165 PSI RATED PVC IN SIZES LARGER THAN 12 INCHES, CONCRETE ENCASEMENT SHALL CONFORM TO C.O.A. STANDARD DETAIL 505-1. 18. CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES. 19. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.

20. TRACER TAPE SHALL BE INSTALLED ON ALL WATER AND WASTEWATER MAINS IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.

21. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS "A" (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.

22. ALL WATER VALVES WILL BE OPERATED BY CITY PERSONNEL ONLY. THE CONTRACTOR MAY NOT OPERATE ANY WATER VALVE. THE GENERAL CONTRACTOR MAY BE FINED IF A WATER VALVE IS OPERATED, REGARDLESS OF WHO OPERATED THE VALVE. 23. A DOUBLE CHECK BACKFLOW DEVICE IN A VAULT SHALL BE INSTALLED AT THE PROPERTY LINE ON ALL PRIVATE FIRE LINES. 24. ALL POTABLE WATER SYSTEM COMPONENTS INSTALLED AFTER JANUARY 4, 2014, SHALL BE "LEAD FREE" ACCORDING TO THE UNITED STATES SAFE DRINKING WATER ACT. THE ONLY COMPONENTS EXEMPT FROM THIS REQUIREMENT ARE FIRE HYDRANTS. COMPONENTS THAT ARE NOT CLEARLY IDENTIFIED BY THE MANUFACTURER AS MEETING THIS REQUIREMENT BY MARKING, OR

20. ALL WASTEWATER MANHOLES TO BE COATED WITH MATERIALS AND PROCEDURES LISTED IN CITY OF AUSTIN QUALIFIED PRODUCTS LIST NO. WW-511 (WW-511A AND WW-511B ARE NOT ALLOWED). ALL MANHOLES WILL BE PRE-COATED OR COATED

STORM SEWER NOTES:

6. CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES.

7. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.

8. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS "A" (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60. 9. CONTRACTOR TO INSTALL AND MAINTAIN GEO-TEXTILE FABRIC BARRIER (INLET PROTECTION) AROUND STORM SEWER LEADS AND INLETS TO PREVENT SILT AND OTHER MATERIAL FROM ENTERING THE STORM SEWER COLLECTION SYSTEM.

0. INSTALL CONCRETE SAFETY END TREATMENTS TO ALL CULVERTS AND ENDS OF DRAINAGE PIPE.

#### C.E.Q CONTRIBUTING ZONE PLAN GENERAL CONSTRUCTION NOTES:

A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY GROUND DISTURBANCE OR CONSTRUCTION ACTIVITIES. THIS NOTICE MUST INCLUDE

THE NAME OF THE APPROVED PROJECT;

THE ACTIVITY START DATE; AND THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.

ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN (CZP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED

NO HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY

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 MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, R INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE

ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF

LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE

IF PORTIONS OF THE SITE WILL HAVE A CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL TCEQ-0592A (REV. JULY 15, 2015) PAGE 2 OF 2 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.

10. THE FOLLOWING RECORDS SHOULD BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST: -THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR -THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A

PORTION OF THE SITE; AND -THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

THE HOLDER OF ANY APPROVED CZP MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND DBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:

ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY BEST MANAGEMENT PRACTICES (BMPS) OR STRUCTURE(S), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS SILT FENCES, AND DIVERSIONARY STRUCTURES;

B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED

ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE DWARDS AQUIFER: OR

ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE APPROVED CONTRIBUTING ZONE PLAN.

AUSTIN REGIONAL OFFICE 12100 PARK 35 CIRCLE, BUILDING A AUSTIN, TEXAS 78753-1808 PHONE (512) 339-2929

FAX (512) 339-3795

SAN ANTONIO REGIONAL OFFICE 14250 JUDSON ROAD SAN ANTONIO, TEXAS 78233-4480 PHONE (210) 490-3096 FAX (210) 545-4329

MUST:

SEAL

MUST OF SAND;

ACTIVITIES, THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ONSITE.

SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.

CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.

PREVENTED FROM BEING DISCHARGED OFFSITE.

ALL EXCAVATED MATERIAL THAT WILL BE STORED ON-SITE MUST HAVE PROPER E&S CONTROLS.



**BROADCAST SEEDING:** 

HYDRAULIC SEEDING:

DISTURBED BY CONSTRUCTION AS FOLLOWS:

AT A RATE OF 65 POUNDS PER ACRE.

PER 1000 SF. WITH A PURITY OF 95%, WITH 90% GERMINATION.

1000 SF. WITH A PURITY OF 95% AND WITH 85% GERMINATION.

PER 1000 SF. WITH A PURITY OF 95%, WITH 90% GERMINATION.

1000 SF. WITH A PURITY OF 95% AND WITH 85% GERMINATION.

15-15-15 AT A RATE OF 1.5 POUNDS PER 1000 SF.

FROM MARCH 2ND TO SEPTEMBER 14TH SEEDING SHALL BE WITH HULLED BERMUDA GRASS (CYNODEAN DACTOLYN) AT A RATE OF TWO POUNDS PER

A. FERTILIZER SHALL HAVE A ANALYSIS OF 20-20-10 AND SHALL BE APPLIED

B. MULCH TYPE USED SHALL BE HAY, STRAW OR MULCH APPLIED AT A RATE OF 45 POUNDS PER 1000 SF.

FROM MARCH 2ND TO SEPTEMBER 14TH SEEDING SHALL BE WITH HULLED BERMUDA GRASS (CYNODEAN DACTOLYN) AT A RATE OF ONE POUND PER

FROM SEPTEMBER 15TH TO MARCH 1ST SEEDING SHALL BE WITH A COMBINATION

A. FERTILIZER SHALL BE A WATER SOLUBLE FERTILIZER WITH AN ANALYSIS OF

C. THE PLANTED AREA SHALL BE IRRIGATED OR SPRINKLED IN A MANNER THAT

B. MULCH TYPE USED SHALL BE HAY, STRAW OR MULCH APPLIED AT A RATE

OF ONE POUND PER 1000 SF. OF UNHULLED BERMUDA AND SEVEN FOUNDS OF WINTER RYE

OF 45 POUNDS PER 1000 SF., WITH SOIL TACKIFIER AT A RATE OF 1.4 POUNDS PER 1000 SF.

- APPENDIX P-1-EROSION CONTROL NOTES:
- NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING, OR EXCAVATION), (SEE SEQUENCE OF CONSTRUCTION) 2. THE PLACEMENT OF TREE/NATURAL AREA CONTROL SHALL BE IN ACCORDANCE
- WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION/ SEDIMENTATION CONTROL PLAN. THE PLACEMENT OF TREE/NATURAL AREA CONTROLS SHALL BE IN ACCORDANCE 3.
- WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PRO-TECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR. DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL 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 RBORIST AT 258-4121, EXT. 6840 AT LEAST THREE DAYS BEFORE THE MEETING DATE.
- 5. 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 MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX INCHES.
- 6. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
- 7 ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS: 6" LONG OR LARGER; ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME, IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT THE ENGINEER & THE TNRCC FOR FURTHER INVESTIGATION.

WILL NOT ERODE THE TOP SOIL, BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF 6". THE IRRIGATION SHALL OCCUR AT TEN DAY INTERVALS DURING THE FIRST TWO MONTHS. RAINFALL OCCURRENCES OF ONE-HALF INCH OR GREATER SHALL POSTPONE THE WATERING SCHEDULE FOR ONE WEEK. D. RESTORATION SHALL BE ACCEPTABLE WHEN GRASS HAS GROWN AT LEAST 1-1/2" HIGH WITH 95% COVERAGE, PROVIDED THAT NO BARE SPOTS LARGER THAN SIXTEEN SQUARE FEET EXIST.

1. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE PLACED ON ALL DISTURBED AREAS.

THE SEEDING FOR PERMANENT EROSION CONTROL SHALL BE APPLIED OVER AREAS

FROM SEPTEMBER 15TH TO MARCH 1ST SEEDING SHALL BE WITH A COMBINATION OF TWO POUNDS PER 1000 SF. OF UNHULLED BERMUDA AND SEVEN POUNDS OF WINTER RYE

- E. WHEN REQUIRED NATIVE GRASS SEEDINGS SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL.
- 3. SEQUENCE OF CONSTRUCTION:
- A. INSTALL EROSION CONTROLS AS INDICATED ON APPROVED SITE PLAN.
- B. INSTALL TREE PROTECTION.
- C. CONTACT THE CITY OF CEDAR PARK PUBLIC WORKS DEPARTMENT AT 258-4121 ext. 6330 TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE. D. BEGIN SITE CLEARING.
- E. INSTALL ALL UNDERGROUND UTILITIES.
- F. REVEGETATE DISTURBED AREAS OR COMPLETE A DEVELOPERS CONTRACT FOR THE REVEGETATION ALONG WITH THE ENGINEERS CONCURRENCE LETTER.
- G. PROJECT ENGINEER INSPECTS JOB AND WRITES CONCURRENCE LETTER TO THE CITY. FINAL INSPECTION IS SCHEDULED UPON RECEIPT OF LETTER.
- H. REMOVE TEMPORARY EROSION/SEDIMENTATION CONTROLS.
- 4. ANY TEMPORARY SPOILS STOCKPILE MUST BE LOCATED WITHIN THE PROPOSED PARKING AREAS OUTSIDE OF ANY TREE DRIPLINES. ALL EXCESS MATERIAL WILL BE DISPOSED OF OFF SITE. CONTRACTOR SHALL NOT DISPOSE OF SURPLUS MATERIAL FROM THE SITE WITHOUT NOTIFYING THE INSPECTOR 48 HOURS PRIOR TO THE REMOVAL. THIS NOTIFICATION SHALL INCLUDE THE DISPOSAL LOCATION.
- 5. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ANY AND ALL EXISTING BUILDINGS/STRUCTURES ON SITE AND UTILITY RELOCATION WORK.

# EXCEPT AS NOTED OTHERWISE: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PLANS AND THE MOST CURRENT CITY OF CEDAR PARK AND CITY OF AUSTIN

- STANDARD SPECIFICATIONS AND DETAILS. 2. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AND
- GRADED TO DRAIN. 3. ALL DEBRIS AND EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE PRIOR ACCEPTANCE OF THE PROJECT.
- 4. ALL FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING AND COMPACTING. THE PLASTICITY INDEX MUST BE LESS THAN 15.
- 5. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3600 PSI AT
- 28 DAYS. 6. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 40.
- 7. LAP ALL BAR SPLICES 24 BAR DIAMETERS OR 24 INCHES.
- 8. ALL CONCRETE SURFACES SHALL RECEIVE A HEAVY BROOM FINISH.
- 9. CONCRETE RIP RAP TO BE 4 1/2" THICK CONCRETE WITH #3's @ 12" O.C.E.W.
- 10. PROVIDE CONCRETE EXPANSION JOINTS AT 40 FEET O.C. ON ALL RIP RAP.
- 11. PROVIDE A MINIMUM CLEARANCE OF 2" BETWEEN OUTSIDE OF STEEL AND FACE OF CONCRETE.
- 12. ALL CONCRETE WORK SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF ACI 301-72.
- 13. ALL EXPOSED CORNERS FOR CONCRETE WORK SHALL BE CHAMFERED 1".
- 14. THE INFORMATION CONTAINED ON THESE DRAWINGS IN REGARDS TO EXISTING UTILITIES, TOPOGRAPHY, CONTOURS, HYDROGRAPHY, OR SUBSURFACE CONDITIONS IS FURNISHED SOLELY AS THE BEST INFORMATION AVAILABLE AT THIS TIME. ITS ACCURACY IS NOT GUARANTEED AND ITS USE IN NO WAY RELIEVES THE CONTRACTOR OF ANY RESPONSIBILITY FOR LOSSES DUE TO ANY INACCURACIES.
- 15. WHERE DISCREPANCIES EXIST BETWEEN THESE PLANS AND THE GEOTECHNICAL REPORT, A WRITTEN CLARAFICATION MUST BE OBTAINED BY THE CONTRACTOR, PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 16. ALL REQUIRED RELOCATIONS OR ALTERATIONS OF TELEPHONE POLES, UNDERGROUND CONDUIT, POWER POLES, AND ANY OTHER FACILITIES SHALL BE DONE BY THIS CONTRACTOR. THIS CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS AND UTILITY COMPANIES SO AS NOT TO DELAY THE PROJECT.
- 17. THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF AUSTIN PUBLIC WORKS DEPARTMENT SHALL GOVERN MATERIALS AND METHODS USED TO DO THIS WORK. ANY REVISIONS MADE AFTER BIDDING WILL. NOT APPLY UNLESS A CHANGE ORDER IS SECURED IN WRITING.
- 18. THE CONTRACTOR SHALL NOTIFY THE CITY OF CEDAR PARK BUILDING INSPECTION DIVISION BEFORE BEGINNING ANY CONSTRUCTION.
- 19. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES FOR EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- 20. ALL SLOPES STEEPER THAN 3:1 BUT LESS THAN 1/2:1 SHALL BE FACED WITH A MORTARED LIMESTONE WALL.

THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/

FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM





TTE INFORMATION:		DB		
TOTAL SITE AREA: 4.663 AC. THIS SITE SHALL COMPLY WITH THE CITY OF CEDAR PARK ZONING ORDINANCES. LAND USE: COMMERCIAL		Щ		
LEGAL STATUS: LOT 2A, RESUB LOTS 1 & 2, BLK A, BMC LUMBER SUB'D NO. 1 TRASH DUMPSTERS WILL BE SCREENED AS REQUIRED BY THE CITY OF CEDAR NRK ORDINANCES.		ATE IC TABI		
ZONING = LI BUILDING TYPE: 3–B (SPRINKLED).				
PERVIOUS COVER:		IDEWAL		
BUILDINGS (PH 1):       28,664 SF.       BUILDINGS (PH 2):       14,400 SF.         PAVEMENT (PH 1):       71,691 SF.       PAVEMENT (PH 2):       2,769 SF.         SIDEWALKS (PH 1):       8,303 SF.       SIDEWALKS (PH 2):       375 SF.		REVISION AMPS, ADD S		
		S AND R		
		ARKING		
PARKING REQUIRED: SPACE/300 SF. OFFICE AND SPACE/600 WAREHOUSE		CATE ADA P		
IASE 1: FICE: 13,500 SF./300=45 SPACES		RELOO		
NREHOUSE: 10,000 SF./600=17 SPACES ANUFACTURING: 5,164 SF./1000= 6 SPACES TAL SPACES REQUIRED PHASE 1: 68 SPACES		DATE 35/07/2025		
IASE 2: FICE: 3,000 SF. /300=10 SPACES NREHOUSE: 11,400 SF. /600=19 SPACES TAL SPACES REQUIRED PHASE 2: 29 SPACES		C IO		
TAL SPACES REQUIRED PHASES 1&2: 97				
PARKING PROVIDED:				
GULAR SPACES: 96				
ANDICAP SPACES:6DTAL SPACES PROVIDED:102CYCLE RACKS (3 SPACES EACH):6				
ITE PLAN NOTES Exterior lighting shall be completely concealed with an opaque housing and shall not be visible from the reet or adjacent properties. Lighting fixtures shall be no more than twenty-five (25) feet in height as measured fro ljacent, finished grade.	om	8613		
"Fire Lane — Tow Away Zone" shall be indicated along all curbs where there is no head—in or parallel parking, nd it is not already marked as a fire lane). (Sec. 9.2.0, #9; Transportation Criteria Manual) (Table 9-2; TCM) Each Exterior wall building area of a site built in this district shall have a minimum of fifty percent (50%) asonry construction exclusive of doors and windows, with the option of constructing the balance in any mbination of these materials and/or including fiber/cement board (e.g. Hardiplank), stucco, or glass. No EIFS or etal panels with factory applied coatings shall be used for exterior walls. Mirrored glass is not permitted. All echanical equipment shall be screened from view. All rooftop equipment on roofs shall be screened in building aterial that matches the structure or is visually compatible with the structure. Awnings and canopies may be ade of sheet metal or canvas membrane. Plastic or vinyl awnings are not permitted. All ground floor building ces shall utilize the same or similar store front and architectural treatments on all sides. Service entrances and her nonpublic building sides or areas shall be screened from view using vegetative screening or masonry fencing		NAGELOK ARK, TEXAS 7	SITE PLAN	
A sign permit will be obtained for all signs proposed on this site.		S/ P		
For outdoor condensers, utility huts and other building service equipment, such equipment shall be completely reened from view on all sides using vegetative screen with at least two (2) varieties of plant material from the eferred plant list that, at maturity, is at least the height of the equipment to be screened. (Chapter 14, Sec07.009(A)(2)).		CEDAF		
Assigned City address numbers will be permanently affixed to all structures in such positions as to be plainly				
Fire lane striping shall be continuous throughout the fire apparatus road. Striping shall be marked "FIRE LANE		· ·		
TOW AWAY ZONE" every 35' in white lettering on red stripe.				
ior to combustibles arriving on site.				
) Fire hydrants shall be installed and operational prior to combustibles arriving on site. ) The trash receptacle enclosure is required to be constructed on three sides of material other than wood, with e resilience of metal or concrete, not less than the height of the bin, the gate (fourth side) is required to be				
aque and have tiebacks to secure in an open position and fasteners to keep them closed.		/ 🎇 /	EMENT	
<ol> <li>All wall—pacs facing single family lots are required to have shields.</li> <li>Fire access lanes striping shall be continuous throughout the fire lane.</li> </ol>			5 VANAG	
) Maximum light pole height is 25'. The height of any freestanding lights located within 50' of a residentially			0 09-065	
oned property is limited to 15°. 5) All dry utilities (electric, telephone, cable, etc.) must be installed underground.			G★ PR( uite 26 35 512) 89	
			NSULTIN kwy, S as 787 Fax: {{	
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	Cedar Park Fire Department Site Development Standards						┿┥
	Fire Apparatus Access Roads (Fire Lanes)						
	Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction of the Cedar Park Fire Department. The fire apparatus access road shall comply with the requirements of IFC Section 503 and this document. The fire		ΝŢ				
	lane shall extend to within 150 feet of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building.		DRA				
	Fire apparatus access roads shall be installed prior to combustible materials arriving on site and prior to the onset of vertical construction. Contractor should plan to		R H				
	Install first lift of asphalt. Road base is not considered a substitute for an approved me apparatus access road.						
	person, and a compaction report shall be submitted by a third-party group prior to vertical construction and at any time throughout the construction process when deemed necessary by the Fire Marshal's office.		ND AL				
	Fire apparatus access roads shall be maintained throughout the construction process. At no time shall blocking the fire apparatus access road be permissible without		N AN				
	the approval of the fire code official.	SION	CTIC				
	Fire apparatus access roads shall have an inside radius of 25' and an outside radius of 50'.	REVI	ONNE				
	Fire apparatus access roads shall be installed such that no dead-end stretch is greater than 150 feet in length without an approved area for turning around fire apparatus.		NTO				
	Fire apparatus access roads shall have an unobstructed width of not less than 20 feet, except for approved security gates which shall have a minimum of 15 feet width in accordance with EC Section 503.6. Fire apparatus access made longer than 500 feet shall have an unobstructed width of not less than 26 feet		RTME				
	Buildings greater than 30 feet in height shall have a minimum 26 foot wide fire apparatus access road to accommodate aerial apparatus for fire fighting operations.		EPAR				
	Fire apparatus access roads shall have an unobstructed vertical clearance of not less than 13 feet 6 inches.		RE DI				
	The grade of the fire apparatus access road shall be within the limits established by the		TE FI				
	fire code official based on the fire departments apparatus. Cedar Park requires that no grade shall be steeper than 8%.		OCA				
	<i>Lane Tow Away Zone</i> " shall appear in 4 inch white letters no greater than 35 feet apart. These words shall be marked within the red stripe. Fire lane striping shall be continuous throughout. Cuth facing shall be used where there is no cuth law down striping shall be used.		REL				
	Fire lane markings shall be maintained in an easily distinguishable condition throughout construction. Where this is impossible or impractical, signs approved by	ш Ш	025				
	the fire code official may be used.	DATI	6/07/2		-		
	All construction vehicles and construction worker vehicles must be parked on site. No vehicle shall be allowed to park or stop in the fire apparatus access roads, whether occupied or unoccupied.		02				+
		NO.	ū				
	Fire Protection During Construction						
	An approved water supply for me protection, either temporary or permanent, shall be made available prior to combustible materials arriving on site and prior to the onset of vertical construction.				1		
	Structures under construction, alteration or demolition shall be provided with not less than one approved portable extinguisher in accordance with IFC Section 906 and sized for not less than ordinary hazards as follows:						
	<ol> <li>at each stairway on all floor levels where combustible materials have accumulated.</li> <li>in every storage and construction shed.</li> </ol>						
	3. anywhere special hazards exist, including but not limited to, the storage and use of flammable and combustible liquids.				1		
	The Head						
	<u>FIFE FLYOFARTS</u>						
	A primary me nyorant is required within 500 feet of all portions of buildings, measured as the nose lies along an approved route. A secondary fire hydrant is required within 500 feet of all portions of buildings.			13			
	When fire hydrants are subject to impact by a motor vehicle, guard posts shall be constructed as set forth in IFC Section 312.			é		7	
	A minimum 36 inches of clear space shall be maintained around the circumference of the hydrant.			28		A	
	Fire Hydrants shall be located 3' to back of curb and no further than 6' from back of curb.			()		2	
	Fire Department Connections (FDC)		$\mathbf{Y}$	Ă		<b>Z</b>	
	A FDC is required to be on the front of the building in a location that is readily visible from the approved fire apparatus access road. FDC shall not be blocked from view or use by structural members, parking spaces, trees, landscaping, etc.		0	X		ō	
	A remote FDC may be used where approved by the fire code official. Detailed plans shall be required.			Щ			
	Where an FDC is subject to impact by a motor vehicle, guard posts shall be constructed as set forth in IFC Section 312.					<u>N</u>	
	A minimum 36 inches of clear space shall be maintained around the circumference of the FDC.			X			
	A fire hydrant is required within 100 feet of any FDC, and shall be located in such a way that the connection does not obstruct the fire apparatus access road to other arriving fire apparatus.		Ś	Ц Д		Q	
			б О	D			
	Flammable/Combustible Waste and Storage		• •	ц			
	Flammable and Combustible liquid storage areas shall be maintained clear of combustible vegetation and waste materials. Such storage areas shall not be used for the storage of other combustible materials.			Ā		Ř	
	Open burning of any type is not allowed on construction sites within the jurisdiction of the Cedar Park Fire Department.					Ш	
	Combustible debris shall not be allowed to accumulate within buildings. Combustible debris, rubbish and waste material shall be removed from buildings at the end of each shift or work day. Combustible debris, rubbish and waste material shall not be disposed of by burning on site.			Ш С			
	Materials susceptible to spontaneous ignition, such as oily rags, shall be stored in a UL listed disposal container. Contents of such containers shall be removed and						
	disposed of daily. Storage of combustible rubbish shall not produce conditions that will create a nuisance or be a hazard to public health, safety or welfare.						
	Combustible waste material creating a fire hazard shall not be allowed to accumulate in buildings or structures, or on premises.						
	Security Gates and Barriers						
	The installation of security gates across fire apparatus access roads shall be approved by the fire code official. Where security gates are installed, they shall have an						
	and emergency operation components shall be maintained operational at all times.						
	If gates are installed across the fire apparatus access road, they shall be located in a manner that allows the entire fire apparatus to be clear of the street before needing to stop to operate the gate.	┝					
	Guard posts shall comply with the following requirements:				<b>L</b>		
	<ol> <li>Constructed of steel not less than 4 inches in diameter, filled completely with concrete.</li> <li>Spaced not more than 4 feet on center between posts.</li> <li>Set not less than 2 feet door in a concernt faction of not less than 15 inches in diameter.</li> </ol>	I			MEN		
	<ul> <li>Set not less man 3 reet deep in a concrete tooling of not less man 15 menes in diameter.</li> <li>Set with the top of the posts not less than 3 feet above grade.</li> <li>Located not less than 3 feet from the protected object</li> </ul>				<b>VAGE</b>		
					'MAI	55	
	Physical barriers shall be a minimum of 36 inches in height and shall resist a force of 12,000 pounds applied 36 inches above the adjacent ground surface.				DIEC	9-06.	
FIRE LANE/	HYDRANT/FDC MARKING NOTES:				r PRC	68 (i	38
1. FIRE LAN WORDING M	E STRIPING TO BE MIN. 6" WIDE RED PAINT WITH "FIRE LANE TOW AWAY ZONE" IN 4" TALL WHITE LETTERS. AY NOT BE SPACED GREATER THAN 30' APART. STRIPING TO BE PAINTED ON THE TOP & FACE OF CURB WHEN IN DAMAGED FLAT ON THE PARTING SUBJECTS WITCH IT IS NOT				NG 1 Suite	3735 (512	. FJ
2. RED STP	ID FAINTED FLAT ON THE PARKING SURFACE WHEN IT IS NOT.		Ś	1995	4SULT	15 75 13 75 13 75	У И И
63251 OR /	APPROVED EQUAL. STRIPE MAY BE BRUSHED OR SPRAYED, ONE COAT TO FINISH.		1	K Z			atio
3. WHITE LE LATEX PAINT FORMED AN	THERS SHALL BE 4" HIGH WITH THE WIDTH OF STROKE AT LEAST O.5 INCH - PAINTED WITH AN EXTERIOR ACRYLIC COLOR SHALL BE "TRAFFIC WHITE" GLIDDEN NO. 563245 OR APPROVED EQUAL. LETTERS SHALL BE STENCIL D BRUSH APPLIED.			ŭ	MENI	111, -	gistr
4. BLUE R	EFLECTOR TO BE INSTALLED AT CENTER OF DRIVE AISLE AT EACH FIRE HYDRANT.		R.	SE	ELOP	AUS AUS 2) 89	ר Re
5. WHITE I	REFLECTOR TO BE INSTALLED IN CENTER OF DRIVE AISLE AT EACH FIRE DEPARTMENT CONNECTION.				r DEV	(51)	Firn
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SCALE: 1" = 30' LEGEND STORAGE AND TEMPORARY SPOILS SILT FENCE ------ SF ------MULCH FENCE ML INLET PROTECTION ----- IP -----PLAN LIMITS OF CONSTRUCTION ----- LOC------78613 ROR STABILIZED CONSTRUCTION ENTRANCE NOTES: SION-SEDIMENTATION 1. ALL DISTURBED AREAS SHALL BE RE-VEGETATED TO MEET THE SWAGELOK R PARK, TEXAS 7 REQUIREMENTS OF THE CITY OF CEDAR PARK'S ORDINANCES. 2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR AT THE TIME OF CONSTRUCTION. DAR Ю ERO WHEELER Austin, 2) 899-06 n Registr **U** N N N <u>Г</u> X DANIEL J. BROW APPROVEL MAY 1 5 2017 DESIGN BY : BH PLANNING DEPT. CHECKED BY : DB CITY OF CEDAR PARK APPROVED BY : DB DATE : 4/6/2017 SHEET 08 PERMIT NO. SD-16-00024 | OF 31



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APPROVED MAY I 5 2017 PLANNING DEPT. CITY OF CEDAR PARK

DESIGN BY : BH CHECKED BY : DB

APPROVED BY : DB

SHEET 09

3/29/2017

DATE :

# PERMIT NO. SD-16-00024 | OF 31



SCALE: 1" = 30' LEGEND - ---- PROP. ROW EXIST. GROUND CONTOUR PROP. STORM SEWER Q PROP. CURB INLET З 7861 SWAGELOK R PARK, TEXAS PLAN **GRADING** DAR Ю \* WHEELER MALONE 13 <u>П</u>.(5 × DANIEL J. BROWN 98337 APPROVED 5.5.1:2 MAY 1 5 2017 DESIGN BY : BH PLANNING DEPT. CHECKED BY : DB APPROVED BY : DB CITY OF CEDAR PARK DATE : 5/2/2017 SHEET 10 PERMIT NO. SD-16-00024 OF 31



Image: State it = 30°         Image: State it = 30° <td< th=""><th>NO. DATE REVISION BY</th><th></th></td<>	NO. DATE REVISION BY	
City of Austiin intensity-duration-frequency curves         Drainage Area Calculations         City of Austiin intensity-duration-frequency curves         Officients for Composite Analysis         City of Austiin intensity-duration-frequency curves         Officients for Composite Analysis         City of Austiin intensity-duration-frequency curves         Officients for Composite Analysis         City of Austiin intensity of rainfall in inches per hour         Imposite of concentration for the entire drainage area of interest         Imposite of concentration for the entire drainage area of interest         Concentration for the entire drainage area of interest         Imposite of Concentrated flow) = Ln/(60s <sup>2-0</sup> )         Where,	SWAGELOK CEDAR PARK, TEXAS 78613	PROPOSED DRAINAGE AREAS
ALCULATIONS FOR 100 YR STORM (WITH 50% REDUCTION)       Flow Area         ALCULATIONS FOR 100 YR STORM (WITH 50% REDUCTION)       Start of the form of the for	MALONE & WHEELER SINCE INC. 1995	CIVIL ENGINEERING & DEVELOPMENT CONSULTING & PROJECT MANAGEMENT 5113 Southwest Pkwy, Suite 260 Austin, Texas 78735 Phone: (512) 899-0601 Fax: (512) 899-0655 Firm Registration No. F-786
APPROVED MAY 1 5 2017 PLANNING DEPT. CITY OF CEDAR PARK	DANIEL B B B B B B B B C C C C C C C C C C C	DF 7550 J. BROWN 337 NSEG AL 5.5.77 BH DB DB 5/2/2017 11

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0 30' SCALE: 1" = 30'	2	
LEGEND         PROPERTY BOUNDARY         PROP. STORM SEWER         PROP. CURB INLET         PROP. DRAINAGE AREA         PROP. FLOW DIRECTION         A-1         1.00 ACRES	DATE REVISION	
RATIONAL METHOD - COA Drainage Criteria and Design StandardsCity of Austin intensity-duration-frequency curvesDrainage Area Calculations $2 Yr$ $5 Yr$ $10 Yr$ $25 Yr$ $100 Yr$ Q = CiA $a$ $54.767$ $62.981$ $70.82$ $82.936$ $118.30$ Where: $c$ $0.8116$ $0.7725$ $0.7634$ $0.7736$	N	
Where:C 0.8116 0.7820 0.7725 0.7834 0.7736Q = peak runoff in cubic feet per second.C = the coefficient of runoffC = the coefficient of runoffRational Method Runoff Coefficients for Composite AnalysisA = the area in acres contributing runoff to the point of design. $25-YR$ $100-YR$ i = the average intensity of rainfall in inches per hour $DEVELOPED$ Asphaltic0.860.95i = a/(t+b)^{\circ}Concrete0.880.97Where, $GRASS, Good Cond.$ t = Time of concentration for the entire drainage area of interestAvg, 2-7%0.390.46T(sht flow) = Ln/(42s^{0.5})T(shallow concentrated flow) = Ln/(60s^{0.5})where,LL = Length of the reach in ft.n = Manning's ns = Slope of the ground in ft/ftsssss	ELOK TEXAS 78613	AINAGE AREAS
DEVELOPED CONDITIONS - DRAINAGE CALCULATIONS           AREA         AREA(AC)         PERV.(AC)         IMP.(AC)         C25         C100         Tc (min)         I25         I100         Q26         Q100           P-1         2.59         2.59         0.00         0.39         0.46         5.00         10.11         12.54         10.21         14.95           P-2         0.04         0.02         0.02         0.66         0.74         5.00         10.11         12.54         0.27         0.37           P-3         0.06         0.02         0.04         0.71         0.79         5.00         10.11         12.54         0.43         0.60           P-4         0.24         0.02         0.22         0.83         0.92         5.00         10.11         12.54         2.02         2.77           P-5         0.26         0.23         0.03         0.44         0.51         5.00         10.11         12.54         4.69         6.47           P-7         0.03         0.00         0.39         0.46         5.00         10.11         12.54         4.69         6.47           P-7         0.03         0.09         0.21         0.73	SWAG CEDAR PARK,	PROPOSED DR
Intel         1/2.5         4.57         2.00         42.15         50.30           LET CALCULATIONS FOR 100 YR STORM (WITH 50% REDUCTION) S AN ORIFICE         GRATE INLET SIZES         Flow Area           .5), C=0.6         Inlet Size         A x 50%         H         Hallow           AREA #         Q         Flow Area         Inlet Size         A x 50%         H         Hallow           18"x18"         243         24"x24"         432         24"x24"         432           Trench Drain C-1         0.37         432         1'x 16'         16.00         8.00         0.00         0.50           Trench Drain C-2         0.60         972         1'x 16'         16.00         8.00         0.00         0.50           Inlet C-3         8.07         973         36"x36"         6.75         3.38         0.25         0.30	HELER	NG★ PROJECT MANAGEMENT Suite 260 735 (512) 899-0655 . F-786
ET CALCULATIONS FOR 100YR STORM ( WITH 10% REDUCTION IN LENGTH)         AREA NO.       FLOW       QBYPASS       QTOTAL       L       h(FT)       Qcap       Inlet Specification         Inlet A       3.1       0       3.1       5.0       0.920       11.9       5' Curb Inlet         Inlet B       6.5       0       6.5       5.0       0.920       11.9       5' Curb Inlet         Curb Cut 1       2.8       0       2.8       5.0       0.500       4.8       Curb Cut         Curb Cut 2       7.1       0       7.1       10.0       0.500       9.5       Curb Cut	MALONE + W SINCE INC. 1995	CIVIL ENGINEERING * DEVELOPMENT CONSULTI 5113 Southwest Pkwy, Austin, Texas 78 Phone: (512) 899-0601 Fax: Firm Registration No
APPROVED May 1 5 2017	DANIEL 91 92 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OF 75 J. BROWN 8337 ENSE MAL 5-5-17 BH DB
PLANNING DEPT. CITY OF CEDAR PARK	DATE :	ыв 5/2/2017 <b>11</b>

030' SCALE: 1" = 30'		
0 30' SCALE: 1" = 30'		
	VISION	
Image: starting s	NO DATE REV	
RATIONAL METHOD - COA Drainage Criteria and Design Standards Drainage Area CalculationsCity of Austin intensity-duration-frequency curves $Q = CiA$ $\frac{2 Yr}{5 54767}$ $5 Yr}{62.981}$ $10 Yr}{70.82}$ $25 Yr}{82.936}$ $118.30$ $Q = CiA$ $b$ $11.051$ $10.477$ $10.396$ $10.746$ $13.185$ Where:c $0.8116$ $0.7820$ $0.7725$ $0.7634$ $0.7736$ $Q = peak runoff in cubic feet per second.Rational Method Runoff Coefficients for Composite AnalysisA = the area in acres contributing runoff to the point of design.i = a/(t+b)^{\circ}25 \cdot YR100 \cdot YRi = a/(t+b)^{\circ}Concret0.860.95Where,t = Time of concentration for the entire drainage area of interestAwg, 2-7\%0.390.46$	K AS 78613	GE AREAS
where, L = Length of the reach in ft. n = Manning's n s = Slope of the ground in ft/ft           DEVELOPED CONDITIONS - DRAINAGE CALCULATIONS           DEVELOPED CONDITIONS - DRAINAGE CALCULATIONS           AREA AREA(AC) PERV.(AC) IMP.(AC) C25 C100 Tc (min) 125 1100 Q25 Q100 P-1 2.59 2.59 0.00 0.39 0.46 5.00 10.11 12.54 10.21 14.95 P-2 0.04 0.02 0.02 0.66 0.74 5.00 10.11 12.54 0.27 0.37 P-3 0.06 0.02 0.02 0.66 0.74 5.00 10.11 12.54 0.43 0.60 P-4 0.24 0.02 0.22 0.83 0.92 5.00 10.11 12.54 2.02 2.77 P-5 0.26 0.23 0.03 0.44 0.51 5.00 10.11 12.54 4.69 6.47 P-7 0.03 0.00 0.03 0.88 0.97 5.00 10.11 12.54 4.69 6.47 P-7 0.03 0.00 0.03 0.88 0.97 5.00 10.11 12.54 4.69 6.47 P-7 0.33 0.00 0.03 0.88 0.97 5.00 10.11 12.54 4.63 0.63 P-9 0.30 0.09 0.21 0.73 0.82 5.00 10.11 12.54 0.43 0.63 P-9 0.30 0.09 0.21 0.73 0.82 5.00 10.11 12.54 2.22 3.07 P-10 0.44 0.11 0.33 0.76 0.84 5.00 10.11 12.54 3.37 4.65 P-11 0.14 0.12 0.02 0.46 0.54 5.00 10.11 12.54 3.37 4.65 P-11 0.14 0.12 0.02 0.46 0.54 5.00 10.11 12.54 3.37 4.65 P-11 0.14 0.12 0.02 0.46 0.54 5.00 10.11 12.54 3.11 4.26 P-12 0.63 0.09 0.54 0.81 0.99 5.00 10.11 12.54 5.16 7.09 P-13 0.35 0.00 0.35 0.88 0.97 5.00 10.11 12.54 3.11 4.26 P-14 0.72 0.11 0.61 0.81 0.89 5.00 10.11 12.54 3.11 4.26	SWAGELO CEDAR PARK, TEX	PROPOSED DRAINA(
$\frac{10tal}{1.25} \frac{4.37}{2.88} \frac{2.88}{42.73} \frac{42.73}{55.90}$ ILET CALCULATIONS FOR 100 YR STORM (WITH 50% REDUCTION) IS AN ORIFICE D.5), C=0.6 $\frac{AREA \# \frac{Q}{(CFS)} \frac{Flow Area}{(Sq. ln.)} \frac{Inlet Size}{(SF)} \frac{A}{(SF)} \frac{(FT)}{(FT)} \frac{(FT)}{(FT)} \frac{(FT)}{(FT)} \frac{18"x18"}{243} 243 243 243 243 243 243 243 243 243 243$	HEELER	vG★ PROJECT MANAGEMENT Suite 260 512) 899-0655 F-786
ET CALCULATIONS FOR 100YR STORM ( WITH 10% REDUCTION IN LENGTH)         AREA NO.       FLOW       QBYPASS       QTOTAL       L       h(FT)       Qcap       Inlet Specification         Inlet A       3.1       0       3.1       5.0       0.920       11.9       5' Curb Inlet         Inlet B       6.5       0       6.5       5.0       0.920       11.9       5' Curb Inlet         Curb Cut 1       2.8       0       2.8       5.0       0.500       4.8       Curb Cut         Curb Cut 2       7.1       0       7.1       10.0       0.500       9.5       Curb Cut	MALONE + W SINCE INC. 1995	Civil ENGINEERING * DEVELOPMENT CONSULTI 5113 Southwest Pkwy, Austin, Texas 78 Phone: (512) 899-0601 Fax: Firm Registration No
APPROVED MAY 1 5 2017	DANIEL DANIEL 98 98 CE 98 00 00 00 00 00 00 00 00 00 00 00 00 00	F 7.54 J. BROWN 337 NSE AL 5.5.17 BH DB

PEBBLE CREEK JOINT VENTURE OWNER: 2711 HILLVIEW GREEN LANE AUSTIN, TEXAS 78703 (512) 472-0590 HANRAHAN-PRITCHARD ENGINEERING, INC. ENGINEER: 8333 CROSS PARK DRIVE AUSTIN, TEXAS 78754 (512) 459-4734 SURVEYOR: BASELINE LAND SURVEYORS, INC. 8333 CROSS PARK DRIVE AUSTIN, TEXAS 78754 (512) 374-9722 GENERAL NOTES: ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE DESIGN ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS THE CITY OF CEDAR PARK MUST RELY UPON THE ADEQUACY OF THE DESIGN ENGINEER. 2. THE CONTRACTOR SHALL CALL THE ONE-CALL CENTER FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN A CITY EASEMENT OR STREET RIGHT OF WAY. . THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT 258-4121, ECT. 6330 AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET RIGHT OF WAY. THE METHOD OF PLACEMENT AND COMPACTION OF BACKFILL IN THE CITY'S R.O.W. MUST BE APPROVED PRIOR TO THE START OF BACKFILL OPERATIONS. 4. FOR SLOPES OR TRENCHES MORE THAN FIVE FEET IN DEPTH, A NOTE MUST BE ADDED TO THE GENERAL CONSTRUCTION NOTES STATING THAT: "ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS ITEM NO. 509 AND APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE (OSHA)." COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 E. 6TH STREET, AUSTIN, TEXAS. 5. ALL WORK MUST ALSO COMPLY WITH ENVIRONMENTAL REQUIREMENTS. ALL WORK MOST ALSO COMPLET WITH ENVIRONMENTAL REQUIREMENTS.
 THE DISTURBED AREAS ASSOCIATED WITH THIS PROJECT SHALL BE REVEGETATED AND ALL PERMANENT EROSION / SEDIMENTATION CONTROLS COMPLETED PRIOR ACCEPTANCE BY THE CITY OF CEDAR PARK TEMPORARY EROSION / SEDIMENTATION CONTROLS SHALL BE ADJUSTED AS NEEDED PRIOR TO THIS RELEASE. ANY AREA WITHIN THE LIMIT OF DISTURBANCE OF THE PROJECT WHICH IS NOT ADEQUATELY REVEGETATED SHALL BE BROUGHT INTO COMPLIANCE PRIOR TO THE ACCEPTANCE BY THE CITY. 7. THIS PROJECT IS LOCATED OVER THE EDWARDS AQUIFER CONTRIBUTING ZONE. 8. THIS PROJECT IS LOCATED WITHIN THE BRUSHY CREEK WATERSHED. 9. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN APPROVING THESE PLANS, THE CITY OF CEDAR PARK MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER. FLOOD PLAIN NOTE: NO PORTION OF THIS PROJECT IS LOCATED WITHIN A FLOOD HAZARD AREA AS DEPICTED ON FEMA MAP PANEL NO. 48491C0225D, DATED NOVEMBER 2, 1995. LEGAL DESCRIPTION: LOT 1, 2 & 3 BMC LUMBER SUBDIVISION CABINET\_\_, SLIDES \_\_\_\_, OF THE WILLIAMSON COUNTY, TEXAS PLAT RECORDS. FOR BEARINGS, DISTANCES, AND EASEMENTS NOT SHOWN REFER TO SUBDIVISION PLAT. BENCHMARKS: CITY OF CEDAR PARK "MONUMENT 52": TXDOT TYPE II CONCRETE MONUMENT WITH DISK, AFFIXED TO TOP OF CURB ON WEST SIDE OF SOUTH LYNNWOOD TRAIL, AT THE NORTHWEST QUADRANT OF THE INTERSECTION SOUTH LYNNWOOD TRAIL WITH BRUSHY CREEK ROAD, ELEVATION = 864.46 (NAVD 88)

# BMC LUMBER SUBDIVISION SUBDIVISION IMPROVEMENTS *SI-06-026*

# CEDAR PARK, TEXAS



#### LOCATION MAP N.T.5.



TCEQ APPROVALS: EAPP ID # CONTRIBUTING ZONE PLAN

# SHEET INDEX:

- COVER SHEET SUBDIVISION PLAT SUBDIVISION PLAT SUBDIVISION PLAT GENERAL NOTES TCEQ SWPPP NOTES EROSION/SEDIMENTATION CONTROL & TREE PROTECTION PLAN BMC DRIVE PLAN AND PROFILE BMC DRIVE PLAN AND PROFILE EXISTING DRAINAGE PLAN 10. PROPOSED DRAINAGE PLAN 11. 12. DRAINAGE CALCULATIONS 13. W.Q. & DETENTION POND PLAN WET POND PLANTING DETAILS 14. 15. STORM SEWER PLAN 16. STORM SEWER PROFILES 17. CHANNEL A PLAN AND PROFILE 18. WATER LINE PLAN & PROFILE 19. WATER LINE PLAN & PROFILE 20 WASTEWATER COLLECTION PLAN 21. WASTEWATER LINE PROFILES 22. GENERAL DETAILS 23. GENERAL DETAILS GENERAL DETAILS 24. 25. GENERAL DETAILS 26. RAILROAD CROSSING DETAILS
- 27. RAILROAD CROSSING DETAILS
- 28. STRIPING, SIGNAGE & LIGHTING PLAN

ADMINISTRATIVE PENALTIES AGAINST ME, AS AUTHORIZED BY THE ACT.

29. STRIPING, SIGNAGE & LIGHTING PLAN 30. TRAFFIC CONTROL PLAN

#### SUBMITTED BY

1/10/07 STEPHEN R. JAMISON, P.E. HANRAHAN-PRITCHARD ENGINEERING, INC. 8333 CROSS PARK DRIVE AUSTIN, TEXAS 78754 (512) 459-4734

DATE

APPROVED BY:

REVIEWED FOR CODE COMPLIANCE

CEDAR PARK POBLIC WORKS 2/13/07

# HANRAHAN • PRITCHARD ENGINEERING, INC.

CONSULTING ENGINEERS 8333 CROSS PARK DRIVE AUSTIN, TEXAS 78754 OFFICE: (512) 459-4734 FAX: (512) 459-4752 info@hp-eng.com

HPE





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				Existing C	onditions			Comp	osite "C" Calculat	ions			
	BASIN A Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.	oomp		2	10	25	100
average constants	C	0.33	0.38	0.42 35.1	0.49	84.85 0.00	3,696,263.00	100.0% 0.0%	Grass (2—7%) Asphalt	0.33 0.73	0.38 0.81	0.42 0.86	0.49 0.95
	Q I	2.95 82.6	4.25 137.0	5.04 179.6	6.26 260.3	84.85	3,696,263.00	100.0%					
				Off Site C	onditions	алан 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 -			• •				r
	BASIN A Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.	Comp	osite "C" Calculat	ions 2	10	25	100
	C Tc	0.65 6.1	0.72	0.77 6.1	0.86 6.1	5.00 20.00	217,821.00 871,284.00	20.0% 80.0%	Grass (2–7%) Asphalt	0.33 0.73	0.38 0.81	0.42 0.86	0.49 0.95
-	Q	6.20 100.8	8.30 149.4	9.47 182.3	11.46 246.4	25.00	1,089,105.00	100.0%				· · ·	и 1
		· · · · · ·						1 1					
			n shaka San shaka		an aire a	÷	and an	. N					
	BASIN A		Proposed	On-Site	Conditions			Comj	posite "C" Calcula	tions			400
	Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.			2	10	25	100
	C	0.63	0.71	0.76 5.0	0.84 5.0	5.06 20.24	220,359.00 881,438.00	20.0% 80.0%	Grass (0-2%) Aspholt	0.25 0.73	0.30	0.34 0.86	0.41 0.95
	l	6.48 103 2	8.64	9.84 189.1	11.88 252.4	25.29	1.101.797.00	100.0%					e e
Contraction of	S DIGDI D	200.0			-			Com	posite "C" Celcula	tions			. 1
	Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.	oomj		2	10	25	100
	C Tc	0.63 5.0	0.71 5.0	0.76 5.0	0.84 5.0	2.54 10.17	110,712.00 442,846.00	20.0% 80.0%	Grass (0–2%) Aspholt	0.25 0.73	0.30 0.81	0.34 0.86	0.41 0.95
	Q	6.48 51.9	8.64 78.0	9.84 95.1	11.88 126.8	12.71	553,558.00	100.0%		е. С.,			
6+103803460769	BASIN C							Com	posite "C" Calcula	tions			
	Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.			2	10	25	100
	C Tc	0.63 5.0	0.71 5.0	0.76 5.0	0.84 5.0	6.19 24.76	269,608.00 1,078,432.00	20.0% 80.0%	Grass (0—2%) Asphalt	0.25 0.73	0.30 0.81	0.34 0.86	0.41 0.95
	1.) Q	6.48 126.4	8.64 189.9	9,84 231.5	11.88 308.9	80.95	1,348,040.00	100.0%					
Constanting of			Roa	dway Cond	itions	68.95	(2.65)	Com	nadta "C" Coloula	lana			
No.	BASIN 1 Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.	Com	posite C Calcula	2	10	25	100
	Ċ	0.58	0.65	0.70	0.78	0.25	10,777.00	31.4%	Grass (0-2%)	0.25	0.30	0.34	0.41
	Tc	5.0 6.48	5.0 8.64	5.0 9.84	5.0 11.88	0.54	23,513.00	68.6%	Asphalt	0.73	0.81	0.86	0.93
restances and	Q	3.0	4.4	5.4	7.3	0.79	34,290.00	100.0%				· .	
	BASIN 2 Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.	Com	posite "C" Calcula	tions 2	10	25	100
- ACCESSION	с	0.58	0.65	0.70	0.78	0.25	11,084.00	31.4%	Grass (0-2%)	0.25	0.30	0.34	0.41
Carractereneses	To	5.0 6.48	5.0 8.64	5.0 9.84	5.0 11.88	0.56	24,183.00	68.6%	Aspholt	0.73	0.81	0.85	0.95
	Q	3.0	4.5	5.6	7.5	0.81	35,267.00	100.0%					
	BASIN 3	0	10	25-wr	100-vr	Acres	Sa. Ft.	Com	posite "C" Calcula	tions 2	10	25	100
The second s	Event	0.58	0.65	0.70	0.78	0.34	14.874.00	31.4%	Grass (0-2%)	0.25	0.30	0.34	0.41
	Tc	5.0	5.0	5.0	5.0	0.75	32,453.00	68.6%	Aspholt	0.73	0.81	0.86	0.95
-	Q	4.1	6.1	7.5	10.1	1.09	47,327.00	100.0%					
				n an an La chuirtean				n ar e r					·
-	0111 1/PDT	٨			1 - 1 - 1 			Con	aposite "C" Calcul	ations	1 - A		
19465-19870-09441	Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.		-	2	10	25	100
	C Tc	0.31	0.36 7.9	0.40 7.9	0.48 7.9	2.58 0.37	112,203.00 16,000.00	87.5% 12.5%	Grass (0—2%) Asphalt	0.25 0.73	0.30 0.81	0.34 0.86	0.41
	i i	5.79 5.3	7.79 8.2	8.94 10.5	10.85 15.3	2.94	128,203.00	100.0%	6				
		в.						Con	nposite "C" Calcul	ations	r		
	Event	2-yr	10-yr	25-yr	100-yr	Acres	Sq. Ft.			2	10	25	100
	С	0.25	0.30	0.34	0.41	1.29	56,000.00	100.0%	Grass (0-2%) Asphalt	0.25 0.73	0.30	0.34 0.86	0.41 0.95
	τ	<u>к</u> п			2.9.2.4								

100-Year Inlet Flow Calculations Curb Inlets on Grade

		•																	i.
STORM SEWER	DRAINAGE AREA NO.	0	Qbv	Qtotal	SLOPE	STREET WIDTH	a	Yo	PONDED WIDTH	R.F.(%)	Qa/La	La(ft.)	LENGTH	L/La	a/yo	Q/Qa	Q	QPASS	INLET TYPE
INCLI 110.			1		-	1							in a constant and a second					L	0.0400
	1	7.30	0.00	7.30	0.50	48	0.42	0.509	12.81	0	0.98	7.45	10	1.34	0.819	1.00	/.30	0.00	GRADE
		7.50	0.00	7 50	0.50	48	0.42	0.514	13.01	0	0.98	7.62	10	1.31	0.811	1.00	7.50	0.00	GRADE
4	4	10.10	0.00	10.10	0.00	48	0.42	0.572	15.67	0	1.05	9.60	10	1.04	0.729	1.00	10.10	0.00	SUMP
<u> </u>	<u> </u>	10.10	0.00		0,00	<u> </u>	0.72	1 0.072	1			1						And the state of the second se	, AN

		10 g 2 4 10 000 - 10 00 0 0 0 0 0 0 0 0 0 0 0 0			
	Texas Commission on Environmental Quality			Wet Pond Calculations	
				For Development Permits	
	TSS Removal Calculations Project: BA	(C LUMBER epared: 6/28/2006		Drainage Area Data	
	1. Required Load Reduction:			Total Site Area	
	$Lm = 27.2(AN \times P)$			Site Impervious Cover (IC)	
	where: Lm = Required TSS removal			Recharge Zone (enter 1) Non-recharge Zone (enter 0) Runoff Caefficient (Rf)	
	An = Net increase in impervious P = Average annual precipitatio	oreo for site n, inches		Water Quality Control Calculations	
	Site Data:			Volume = 0.162 * R/* DA	•
i.	County = Williamson			Codiment Fersher Values (15 259)	150
	Predevelopment impervious areo = 0.00 acres			abonnent Foleody Volume (15 - 25%)	Provided 25%
	Post-development impervious area = 57.00 acres Postdevelopment impervious fraction* = 0.80			Moin Paol Valume (75 -85%)	25% 75%
	P = <u>32</u> inches				Provided 75%
	Lm = 49613 lbs.			Total Valume Pravided	
			A man where the second state of	Sediment Forebay:	0.04 0
	2. Select BMP	BR	Aqualogic Cartridge Filter Bioretention	Elevation * Depth Area Avg. Area Ft. msl Ft. S. F. S. F.	Inc. Vol. Totol Val. C. F. C. F.
ti de la composición	Proposed BMP = WB abbreviation Removal efficiency = 93 percent	CW	Constructed Wetlond Retention / Irrigation	<u>637.00</u> 0.00 - 838.00 1.00 3,773.00 1,885.50	1,257.69 1,257.69
с. 1. м.		SF	Sand Filter Wet Basin	839.00 1.00 8,862.00 6,317.50 840.00 1.00 12,551.00 10,706.50	6,139.26 7,398.95
		<i>"U</i>		841.00 1.00 17,043.00 14,797.00	14,740.14 32,790.45
	3. Calculate TSS Load Removed by BMPs			843.00 1.00 19,482.00 18,252.50 843.00 1.00 21,937.00 20,699.50	20,687.57 71,717.51
	LR = (BMP efficiency) x P x (A	x 34.6 + AP x 0.54)		Main Pool:	
	where: LR = TSS Load removed by BM	3	en e	Elevation * Depth Area Avg. Area Ft. msl Ft. S. F. S. F.	inc. Vol. Total Val. C. F. C. F.
	Ai = Impervious area of BMP of Ap = Pervious area of BMP cat	atchment		837.00 0.00 -	
				839.00 1.00 31,573.00 16,998.50	14,248.72 15,056.74
и 1	AI = 57.00  acres $Ap = 14.63  acres$	,		840.00 1.00 33,746.00 32,659.50 841.00 1.00 35,975.00 34,860.50	32,654.13         47,710.87           34,855.26         82,566.12
	Lr = 58928 lbs			842.00 1.00 36,262.00 37,118.50 643.00 1.00 40,604.00 39,433.00	<u>37,113.37</u> <u>119,679,49</u> <u>39,427.99</u> <u>159,107,46</u>
	4. Calculate Fraction of Annual Runoff to Treat			844.00 1.00 77,857.00 59,230.50	58,229.99 217,337.48
			· · · · · · · · · · · · · · · · · · ·	Detention	
	r = 0.64 if $r > 1$ then	need a more enicient BMP	or treat a larger area	Elevation * Depth Area Avg. Area	Inc. Vol. Total Val.
	<u>5. Calculate Capture Volume</u>			Ft. msl         Ft.         S. F.         S. F.           844.00         0.00         77,857.00         77,857.00	C. F. C. F.
	Rainfall Depth = 1.26 inches			845.00 1.00 149,250.00 113,553.50 845.90 0.90 175,432.00 152,341.00	111,636.84 111,636.84 145 951 21 257 588 06
	On-site Water Quolity Volume = 202477 cubic feet			846.00 0.10 194,295.00 164,863.50	18,478.69 276,065.75
	Off-site area draining to BMP= 25.00 acres			648.00 1.00 222,428.00 208,380.50 648.00 1.00 245,355.00 233,890.50	208,206.23 484,272.99 233,801.46 718,074.45
	Impervious cover of off-site area = 0.00 Off-site Runoff Coefficient = 0.02			849.00 1.00 257,986.00 251,671.50 850.00 1.00 265,033.00 261,510.50	251,650.11 969,724.55 261,507.82 1,231,232.38
, ,	Off-site Water Quality Volume = 2287 cubic feet			851.00 1.00 272,134.00 268,583.50	258,581.05 1,499,813.42
•	Storage for Sediment= 40953			0.00 275,700.00 275,820.00 1	136,301.77 [ 1,030,775.13 ]
	Total Capture Volume 245716 cubic feet			DETENTION POND OUTFALL RATING TABLE:	
<i>i</i>				ORFICE #1 ORFICE #1 WEIR #1 Wi Elevation * h Q h	EIR #1 WEIR #2 WEIR #2 Q h Q
, ,				Ft. msl ft. cfs ft.	<u>cfs ft. cfs</u>
Drawdown Tim	e in Wet Pond			845.00 844.67 - 0.00 846.00 845.57 - 0.00	- 0.00 -
DIGALONII III	Max. 24 hr.			847.00 846.67 - 0.10	41.19 0.00 -
Volume (cf)	Release Rate (cfs) W.S.E.L. Flow Out Elev.			848.00 847.67 - 2.10 849.00 848.67 - 3.10	<u>108.64</u> 0.00 – 194.85 0.00 –
256391.00	2.97 845.90 844.00			850.00 849.67 - 4.10 851.00 850.57 - 5.10	296.38         0.34         107.06           411.17         1.34         877.67
20000 1100				851.50 851.17 - 5.60	473.10 1.84 1,347.76
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Diameter of Opening (in)	Diameter of Calulated Area of Q Released Drawdo Opening (ft) Head (ft) Opening (ft <sup>2</sup> ) (cfs)	wn Time		AREA/WIDTH ELEV.	
0 00	0.750 1.525 0.442 2.63 0	7.08		WEIR #1 11.9 845.90 WEIR #2 180 849.66	
3.00	0.700 1.020 V.TTZ 2.00 Z			Lizza ganalan iza kata gana gana gana gana gana gana gana g	
		DET HEC	ENTION POND: -1 SUMMARY		
		-	OFFSITE ONSITE	FLOW FLOW OUT TOTAL FLOW	ALLOWED







SS LINE A1 862 Q(25/100)=26.1/41.6 d/D(25/100)=1.0/1.0 V(25/100)=3.7/5.9 858 854 -----850 24" RCP @ 0.50% 36" RCP @ 0.50% 36" RCP @ 0.50% 846 0 842 STA: LUTUAL: @ CONCRETE RIP RAP 36" FL = 845.99 STA: D+43.12 SS LN A1 = 1+72.18 WW LN A 36" FL = 846.22; 8" FL = STA: 0+53.12 SS LN A1 PI < 90" RT. 1 - 6 DIA. MANHOLE = STA: 0+00 BEGN SS LN PI < 45515' LT. 838 STA: 1+34.20 SS LN A1 = 8" WTR STUB 36" FL = 846.67 STA: 1+59.64 SS LN A1 PI < 25' RT 36" FL = 846.80 STA: 1+70.53 SS LN A1 1 - 5" DIA. MANHOLE = 0+00 BEGIN SS LN A4 PI < 90' LT 님 SS SS 5+85.82 WW STUB L = 848.9 STA: = 8" 24" F 4+00 4+50 1+50 2+00 2+50 3+00 3+50 0+50 1+00 0+00 SS L SS LINE A4 862 Q(25/100)=15.1/26.8 d/D(25/100)=1.0/1.0 V(25/100)=3.1/5.5 858 854 \_\_\_\_\_ 850 30" RCP @ 0.50% 1-7'X5' BOX CULERT @ 0.80% 846 842 838 STA: 0+00 BEGN SS LN A PI (45' LT)= STA: 1+75.53 SS LN A1 1-5' DIA. MANHOLE 36' FL = 846.85; 30'' FL = 30'' FL = 847.42STA: 0+14.29 SS LN A4 PI < 45' RT. 30'' FL = 847.42STA: 0+17.68 SS LN A4 = 15+781.3 WTR LN A = 15+781.3 WTR LN S LN 1-30'' PLUG 30'' FL = 847.445; 30'' FL = 50'' FL = 847.445; 30'' FL = 30'' FL = 847.445; 30'' FL = 1-30'' PLUG 30'' FL = 847.54HEAD = <u>1</u> STA: © CO 2+00 0+00 0+00 Ó+50 1+00 1+50

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#### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "N"

#### INSPECTION, MAINTENANCE, REPAIR AND RETROFIT PLAN

#### SWAGELOK AUSTIN

(Copy of Attachment N from approved TCEQ CZP # 06102701)

#### ATTACHMENT N - Inspection, Maintenance, Repair and Retrofit Plan

#### Project Name: <u>BMC Lumber Subdivision</u>

#### Address: Intersection of Proposed BMC Drive and Brushy Creek Road

City, State, Zip: Cedar Park, Texas 78613

#### Major Maintenance Requirements

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#### WET BASINS - ROUTINE MAINTENANCE:

**Mowing.** The side-slopes, embankment, and emergency spillway of the basin should be mowed at least twice a year to prevent woody growth and control weeds.

**Inspections.** Wet basins should be inspected at least twice a year (once during or immediately following wet weather) to evaluate facility operation. When possible, inspections should be conducted during wet weather to determine if the basin is functioning properly. There are many functions and characteristics of these BMPs that should be inspected. The embankment should be checked for subsidence, erosion, leakage, cracking, and tree growth. The condition of the emergency spillway should be checked. The inlet, barrel, and outlet should be inspected for clogging. The adequacy of upstream and downstream channel erosion protection measures should be checked. Stability of the side slopes should be checked. Modifications to the basin structure and contributing watershed should be evaluated. During semi-annual inspections, replace any dead or displaced vegetation. Replanting of various species of wetland vegetation may be required at first, until a viable mix of species is established. Cracks, voids and undermining should be patched/filled to prevent growth in cracks and joints that can cause structural damage. The inspections should be carried out with asbuilt pond plans in hand.

**Debris and Litter Removal.** As part of periodic mowing operations and inspections, debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the riser, and the outlet should be checked for possible clogging.

**Erosion Control.** The basin side slopes, emergency spillway, and embankment all may periodically suffer from slumping and erosion. Corrective measures such as regarding and revegetation may be necessary. Similarly, the riprap protecting the channel near the outlet may need to be repaired or replaced.

**Nuisance Control.** Most public agencies surveyed indicate that control of insects, weeds, odors, and algae may be needed in some ponds. Nuisance control is probably the most frequent maintenance item demanded by local residents. If the ponds are properly sized and vegetated, these problems should be rare in wet ponds except under extremely dry weather conditions. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weeds, odors, algae, etc.). Biological control of algae and mosquitoes using fish such as fathead minnows is preferable to chemical applications.

#### WET BASINS - NON-ROUTINE MAINTENANCE:

**Structural Repairs and Replacement.** Eventually, the various inlet/outlet and riser works in the wet basin will deteriorate and must be replaced. Some public works experts have estimated that corrugated metal pipe (CMP) has a useful life of about 25 years, while concrete barrels and risers may last from 50 to 75 years. The actual life depends on the type of soil, pH of runoff, and other factors. Polyvinyl chloride (PVC) pipe is a corrosion resistant alternative to metal and concrete pipes.

Local experience typically determines which materials are best suited to the site conditions. Leakage or seepage of water through the embankment can be avoided if the embankment has been constructed of impermeable material, has been compacted, and if anti-seep collars are used around the barrel. Correction of any of these design flaws is difficult.

**Sediment Removal.** Wet ponds will eventually accumulate enough sediment to significantly reduce storage capacity of the permanent pool. As might be expected, the accumulated sediment can reduce both the appearance and pollutant removal performance of the pond. Sediment accumulated in the sediment forebay area should be removed from the facility every two years to prevent accumulation in the permanent pool. Dredging of the permanent pool must occur at least every 15 years, or when accumulation of sediment impairs functioning to the outlet structure.

**Harvesting.** If vegetation is present on the fringes or in the pond, it can be periodically harvested and the clippings removed to provide export of nutrients and to prevent the basin from filling with decaying organic matter.

#### **DETENTION SYSTEMS:**

a. Silt should be removed when the accumulation exceeds six (6) inches in sediment basins without sediment traps. In basins with sediment traps, removal of silt shall occur when the accumulation exceeds four (4) inches in the basins, and the sediment traps shall be cleaned when full. In detention basins, silt shall be removed and the basin restored to original lines and grades when standing water conditions occur or the basin storage volume is reduced by more than 10%.

b. Accumulated paper, trash and debris should be removed every six (6) months or more often as necessary to maintain proper operation.

c. Vegetation within the basin shall not exceed eighteen (18) inches in height at any time, except as called for in the design.

d. The basin shall be inspected annually and repairs shall be made if necessary.

e. Corrective maintenance is required any time a sedimentation basin does not drain the equivalent of the Water Quality Volume within sixty (60) hours of cessation of inflow or a detention basin does not drain completely.

f. Corrective maintenance is required any time the sediment trap in a sedimentation basin does not drain completely within ninety-six (96) hours of cessation of inflow.

g. To limit erosion, no unvegetated area shall exceed 10 square feet.

h. Structural integrity of basins shall be maintained at all times

- Monthly: The vegetative growth in the basin shall be checked. The growth shall not exceed eighteen inches in height.
- Quarterly: The level of accumulated silt shall be checked. If depth of silt exceeds 6 inches, it shall be removed, and disposed of "properly".
- Annually: The basin shall be inspected for structural integrity and repaired if necessary.
- After Rainfall: The basin shall be checked after each rainfall occurrence to insure that it drains within 60 hours after each storm is over. If it does not drain within this time, corrective maintenance will be accomplished.

"Proper" disposal of accumulated silt shall be accomplished following Texas Commission on Environmental Quality guidelines and specifications.

An amended copy of this document will be provided to the Texas Natural Resource Conservation Commission within thirty (30) days of any changes in the following information.

Responsible Party: BMC West Corporation

Mailing Address: 3400 Steck Avenue

City, State: Austin, Texas Zip: 78757

Telephone: (512) 465-4284

Fax: (512) <u>4</u>65-4222

Signature of Responsible Party
### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "O"

### PILOT-SCALE FIELD TESTING PLAN

### SWAGELOK AUSTIN

NOT APPLICABLE

### CONTRIBUTING ZONE PLAN APPLICATION ATTACHMENT "P"

### **MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION**

### SWAGELOK AUSTIN

During construction this project will use silt fencing to prevent contamination to the existing stream.

Once the site is constructed and developed the existing offsite wet pond will be the permanent BMP and stormwater will have its pollutant loading reduced prior to being released into Brushy Creek Watershed. The wet pond has an outlet structure designed to prevent erosion and decrease flows and velocities of the discharged water.

In addition, maintenance of the site will ensure that contamination of the adjacent streams will not occur.

# **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: Daniel J. Brown, P.E.

Date: 05/12/2025

Signature of Customer/Agent:

chosen

Regulated Entity Name: Swagelok Austin

## **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>South Brushy 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. 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:

<ul> <li>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.</li> <li>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.</li> <li>A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.</li> <li>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.</li> </ul>
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.
<ul> <li>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.</li> <li>There will be no temporary sealing of naturally-occurring sensitive features on the site.</li> </ul>
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.
Attachment G - Drainage Area Map. A drainage area map supporting the following requirements is attached:
<ul> <li>For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.</li> <li>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.</li> <li>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.</li> <li>There are no areas greater than 10 acres within a common drainage area that will be used in combination with other reosion and sediment controls within each 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</li> </ul>

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.

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "A"

### SPILL RESPONSE ACTIONS

### SWAGELOK AUSTIN

Fuel and hazardous substances will not be stored on-site. Sources of spills would include accidents during refueling operations or damage to mechanical equipment. In addition to general care and good "housekeeping" practices, the following practices will be followed for accidental spill prevention and cleanup:

- 1. Site and construction personnel will be required to be aware of manufacturer's recommended methods for spill cleanup, the location of information, and the cleanup supplies.
- 2. Materials and equipment necessary for spill cleanup will be kept on-site in an accessible location known to site personnel.
- 3. All spills will be cleaned up immediately upon discovery.
- 4. All spill response actions shall comply with 30 TAC 327, Spill Prevention and Control, Texas Commission on Environmental Quality.

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "B"

### POTENTIAL SOURCE OF CONTAMINANTS

### SWAGELOK AUSTIN

The materials or substances listed below are expected to be used on-site during construction.

- 1. Concrete and concrete products
- 2. Asphaltic products
- 3. Petroleum-based products
- 4. Paints
- 5. Fertilizers
- 6. Lumber

The following procedures are potential sources of contamination:

- 1. Earth grading
- 2. Installation of asphalt and concrete
- 3. Moving/storage of soil
- 4. Construction traffic
- 5. Trenching for underground utilities

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "C"

### **SEQUENCE OF MAJOR ACTIVITIES**

### SWAGELOK AUSTIN

- 1. CLEAR & GRUB (Area = 0.33 acres for Phase 2)
- 2. ROUGH GRADE (Area = 0.33 acres for Phase 2)
- 3. INSTALL UTILITY SERVICE AND CONNECTIONS AND STORM SEWER SYSTEM (Area = 0.02 acres for Phase 2)
- 4. BASE AND PAVING APPLICATION (Area = 0.07 acres for Phase 2)
- 5. RESTORATION OF SITE (Area = 0.05 acres for Phase 2)
- 6. BUILDING CONSTRUCTION (Area = 0.33 acres for Phase 2)

Protected fences shall be put in place according to City of Austin standards for tree protection prior to the start of any site preparation work. Fences shall be maintained throughout all phases of the construction project.

During the installation of utilities and base and paving application, the contractor shall use dust control measures such as irrigation trucks and mulching. Contractor will clean up spoils that migrate onto the roads a minimum of once daily.

Most stormwater during moderate storm events is expected to infiltrate into the soil on site. During major storm events, runoff will ultimately be discharged into South Brushy Creel. Storm does not directly discharge into South Brushy Creek, but will be first be routed into the proposed onsite storm conveyance and into the existing wet pond.

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "D"

### **TEMPORARY BEST MANAGEMENT PRACTICES**

### SWAGELOK AUSTIN

Inlet protection will be installed to stop the pollution of stormwater runoff by preventing soil and debris from entering storm drain drop inlets. Silt fences will be utilized to retain stormwater runoff and keep soil on the disturbed land, rather than letting it be washed off into natural water bodies. Silt fences downstream of disturbed areas shall be installed per the plan(s), maintained, and regularly inspected throughout the duration of all major construction activities until revegetation is complete.

In addition to the installation of silt fencing and inlet protection, a concrete washout will be provided. Tree protection will also be provided as needed.

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "E"

### **REQUEST TO TEMPORARILY SEAL A FEATURE**

### SWAGELOK AUSTIN

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

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "F"

### **STRUCTURAL PRACTICES**

### SWAGELOK AUSTIN

The following structural controls and procedures will be utilized on this project to limit runoff discharge of pollutants:

1. Silt fence will be installed downstream of all disturbed areas and remain in place until final site stabilization is achieved.

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "G"

### DRAINAGE AREA MAP

### SWAGELOK AUSTIN

See proposed drainage area plan sheet in the construction plans. Sheet 11 – Proposed Drainage Areas

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "H"

### **TEMPORARY SEDIMENT POND(S) PLANS AND CALCULATIONS**

### SWAGELOK AUSTIN

NOT APPLICABLE

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "I"

### **INSPECTION AND MAINTENANCE OF BMPs**

### SWAGELOK AUSTIN

Erosion and Sediment Control Inspection and Maintenance Practices

- 1. The Contractor will inspect the control measures weekly and within 24 hours after rainfall events of  $\frac{1}{2}$ -inch or more.
- 2. Temporary construction entrances should be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. All sediment spilled, dropped washed or tracked onto public rights-of-way should be removed immediately by contractor.
- 3. Repairs will be made to damaged areas as soon as practicable after damage is discovered but no later than seven days after the inspection.
- 4. Build-up sediment will be removed once it has reached maximum depth of six inches.
- 5. Temporary and permanent seeding shall be irrigated or sprinkled in a manner that will not erode topsoil, and at sufficient quantity and intervals to achieve restoration requirements. Irrigation shall occur at ten-day intervals during the first two months. Rainfall of ½-inch or more shall postpone watering schedule by one week.
- 6. The Contractor will be responsible for ensuring maintenance of the erosion and sedimentation controls. The Owner (and/or qualified agents) and Contractor shall be independently responsible for inspection of the controls, and for required record keeping (see sample inspection and maintenance report).
- 7. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize off-site impacts.

See attached sample inspection and maintenance report.

### CONTRIBUTING ZONE PLAN TEMPORARY STORMWATER ATTACHMENT "J"

### SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

### SWAGELOK AUSTIN

The area of disturbance is confined to that necessary to build the facilities. No temporary vegetation is proposed.

All pervious areas disturbed shall be revegetated.

Notice of Intent (NOI) for Discharges Associated with under TPDES General Per TCEQ	or Storm Water       TCEQ Office Use Only         Industrial Activity       Permit No.:         rmit (TXR050000)       CN:			
Sign up now for on line NOI at <u>http://www.tceq.</u>	state.tx.us/permitting/steers/steers.html			
Did you know you can pay on line? Go to www Select Fee Type: GENERAL PERMIT INDUSTRI	AL STORM WATER DISCHARGE NOLARR LOATION			
Application Fee: You must pay the \$100 Application Fee to TCEQ for the	application to be considered complete.			
How did you pay this fee?				
Mailed: Check/Money Order No.:	Name Printed on Check:			
	is the rayment voucher copy attached? Yes			
•Use the attached INSTRUCTIONS when completing this form. •After completing this form, use the attached CUSTOMER CHECKLIS •Missing, illegible, or inaccurate items may delay final acknowledgment of Renewal of General Permit Is this NOI being submitted to continue an ACTIVE authorization under a	F to make certain all items are complete and accurate. r coverage under the general permit.			
Yes If Yes, what is the permit number issued by TCEQ? Perr	nit No.:			
A. OPERATOR (applicant)				
1. If the applicant is currently a customer with TCEO, what is the	Customer Number (CN) issued to this entity? CN			
2. What is the full Legal Name of the applicant?				
Swagelok Austin				
(The legal name must be spelled exactly as filed with the Texas Secretary of	of State, County, or in the legal document forming the entity.)			
3. What is the applicant's mailing address as recognized by the US	5 Postal Service?			
Address: Suit	e No./Bldg. No./Mail Code:			
9825 Spectrum Drive 200				
City: Austin State: TX	ZIP Code: 78717			
Country Mailing Information (if outside USA).	Country Code: Postal Code:			
4. Phone No.: (512) 8325057	Extension:			
5. Fax No.: ( )	E-mail Address:			
6. Indicate the type of Customer: Individual Corporation State Government Other: Corporation Component				
7. Independent Operator: Yes No (If govern	mental entity, subsidiary, or part of a larger corporation, check "No".)			
8. Number of Employees: 0-20; 21-100; 101-2:	50; 251-500; or 501 or higher			
9. Customer Business Tax and Filing Numbers ( <i>This item is not ap</i> REQUIRED for Corporations and Limited Partnerships	plicable to Individuals, Government, GP or Sole Proprietor.)			
State Franchise Tax ID Number: 32054628824	Federal Tax ID: 472021268			
TX SOS Charter (filing) Number: 0802028301	DUNS Number (if known):			
B. BILLING ADDRESS				
The Operator is responsible for paying the annual fee. The annual fee will be assessed to permits active on September 1 of each year. TCEQ will send a bill to the address provided in this section. The Operator is responsible for terminating the permit when it is no longer needed.				
Is the billing address same as the Operator Address? Yes, go to Section C. No, fill out Section B				
1. Billing Mailing Address:     Suite No./Bldg. No./Mail Code:				
City: State:	ZIP Code:			
2. Country Mailing Information (if outside USA). Territory:	Country Code: Postal Code:			
3. Billing Contact (Attn or C/O):				
4. Phone No.: ( ) Extension:				
5. Fax No.: ( )	E-mail Address:			
·	1			

TCEQ-10382 (08/09/2006)

C. APPLICATION CONTACT				
If TCEQ needs additional information regardin	g this application, wh	o should be contacted?		-
I. Name:	Title:		Company:	
Fred Kaimer	General Partner		Swagelok Ai	ustin
Phone No.: ( 512 ) 8325057		Extension:		
. Fax No.: ( )		E-mail Address: fkaime	r@swagelok.com	
. REGULATED ENTITY (RE) INFORMA	TION ON PROJECT	OR SITE		
. TCEQ Issued RE Reference Number (RN) (i	f available):			
<ol> <li>Name of Project or Site (the name as known BMC Lumber Subdivision example: phase and name of subdivision or name by Physical Address of Project or Site: (enter</li> </ol>	by the community when the of project that's un in spaces below)	nere this facility/project	is located):	
Street Number: 1017	• *	Street Name:	novation Way	
City: Cedar Park	ZIP Code: 78613		County (Cour Williamson	nties if >1):
. If no physical address (Street Number & Stre (Ex.: phase 1 of Woodland subdivision local Northwest quadrant of the intersection of	et Name), provide a v ed 2 miles west from Innovation Way an	written location access d intersection of Hwy 29 d BMC Drive.	escription to the site: ) & IH35 accessible o	n Hwy 290 South)
. Latitude: -97 * 48* 04*	N	Longitude: 20-	30' 00"	W
What is the primary husiness of this entity?	In your own words b	riefly describe the prime	ou uu irv husinees of the Par	
(Do not repeat the SIC code.)		nony desende the prime	ay business of the Ke	jurated entity.
	unimercial & related d	evelopment.		
What is the mailing address and contact infor	mation for the regula	ted entity?		
Is the RE mailing address the same as the	e Operator?	Yes, the address is s	ame as Operator	No, provide the address
Street Number:		Street Name:		
City:	State:	1	ZIP Code:	
. GENERAL CHARACTERISTICS	1			
. I certify that the project/site is <b>not</b> located or If No, you must obtain authorization through	a Indian Country Lan EPA, Region VI.	ds? 📝 Ye	s No	
. Is this NOI being submitted due to a change	in Operator?	Yes	✓ No	
. What is the SIC Code that is within the range	listed and correspon	ds with the selected Act	ivity or Sector in the C	Jeneral Permit?
Primary SIC Code: 6552	Sacandam: SIC C	ada		
What is the Sector that applies to the industri	al activity at your fac	oue: ility? (It must correspondent	nd with the SIC Code	nravidad nhova )
- what is the dector that appres to the industri		inty: (it must correspond	iu with the STC Code	provided above.)
Sector A     Sector E     Sector       Sector B     Sector F     Sector       Sector C     Sector G     Sector       Sector D     Sector H     Sector	r I Sector r J Sector r K Sector r L Sector	M Sector Q N Sector R O Sector S P Sector T	Sector V Sector W Sector X Sector Y	Sector AA Sector AB Sector AC Sector AD
Sector U Sector Z	B H.A B		1.0	
I applicable, what is the Activity Code that c	corresponds with the s	Sector in the General Pe	rmit?	
	L.			
f Activity Code AD is selected, a copy of the le actuded with this Natice of Intent form or cover	tter from TCEQ requi	iring coverage under thi	s general permit throug	gh this activity code must be
. Discharge Information	uge may be defiled.		· · · · · · · · · · · · · · · · · · ·	
	to capaivo the starm	water runoff or poter	ntial runoff from the	site?
What is the name of the first water body South Brushy Creek	to receive the storm			
. What is the name of the first water body South Brushy Creek . What is the segment number(s) of the cla	ssified water body(	s) that the discharge v	will eventually reach	1?
. What is the name of the first water body South Brushy Creek . What is the segment number(s) of the cla . Is the discharge into an MS4?	ssified water body(	s) that the discharge v	vill eventually reach	1?
What is the name of the first water body South Brushy Creek What is the segment number(s) of the cla Is the discharge into an MS4? If Yes, what is the name of the MS4 Op	ssified water body(	s) that the discharge v	vill eventually reach	1?
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What is the name of the first water body South Brushy Creek What is the segment number(s) of the cla Is the discharge into an MS4? Yes If Yes, what is the name of the MS4 Op Note: The general permit requires you to Is the discharge or potential discharge w one of the Edwards Aquifer? Ye: The answer is Yes, please note that a copy 13) must be included in the Storm Water F	ssified water body( No erator? o send a copy of the ithin the Recharge is S INO of the agency approved collution Presention	s) that the discharge we e NOI to the MS4 Op Zone, Contributing Zo roved Plan required by	vill eventually reach erator. one, or Contributing y the Edwards Aqui	? Zone within the Transition fer Rule (30 TAC Chapter

F. CERTIFICATION		
Check "Yes" to the certifications below. Failure to indicate "Yes" to ALL item I certify that I have obtained a copy and understand the terms and conditions of I certify that the activities at this site qualify for coverage under the general per I understand that a Notice of Termination (NOT) must be submitted when this I understand that permits active on September 1st of each year will be assessed I certify that a Storm Water Pollution Prevention Plan has been prepared and it	s may result in denial of coverage under the general permit. f the general permit TX050000. mit TX050000. authorization is no longer needed. an Annual Water Quality Fee. mplemented as required in the general permit. Yes	
Operator Certification:		
I_ Fred Kaimer	General Partner	
Typed or printed name	Title	
certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		
Signature:(Use blue ink)	Date:	

Did you complete everything? Use this checklist to be sure!

Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

Have you also mailed your check and Payment Submittal Form to the Cashier's office? Go to the end of this document for the Payment Submittal Form.

	Customer GP Notice of Intent Checklist				
·	TXR050000				
√	This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the				
	permit. (See NEC Process description in the Instructions)				
	Application Fee was sent to TCEQ's Cashiers's Office and the check information is listed, or the EPAY payment voucher is attached.				
	OPERATOR INFORMATION - Confirm each item is complete:				
	Customer Number (CN) issued by ICEQ Central Registry				
	Legal Name as filed to do business in Texas (Call TX SOS 512/463-5555)				
	Operator Mailing Address is complete & verifiable with USPS, <u>www.usps.com</u>				
	Phone Numbers/E-mail Address				
	type of Operator (Entity Type)				
	Independent Operator				
	Number of Employees				
	For Corporations or Limited Partnerships – Tax ID and SOS Filing numbers				
	Billing Address is complete & verifiable with USPS. www.usps.com				
	REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE - Confirm each item is complete:				
	Regulated Entity Reference Number (RN) (if site is already regulated by ICEQ)				
	Site/Project Name/Regulated Entity				
	Site/Project (RE) Physical Address Please do not use a rural route or post office box for a site location				
	Latitude and Longitude www.tceq.state.tx.us/gis/drgview.html or www.terraserver.microsoft.com/advind.aspx.				
	Business description				
	Site Mailing Address (checked same as operator or complete & verifiable with USPS, <u>www.usps.com</u> )				
	CENERAL CHARACTERISTICS - Confirm each item is complete:				
	V Indian Country Lands, the facility is not as Indian Country Lands				
	Change in Operator				
	Change in Operator				
	State is calended				
	Activity Code if appliable				
	Edwards Aquifus Dulos				
	Discharge Information (receiving water body, cognant no. and MS4 Operator)				
	Cartification statements have been checked indicating "Vee"				
	Signature meets 30 Teves Administrative Code (TAC) \$305.44 and is original and has been provided for the Original				
	Signature meets so resas Automistrative Code (TAC) 9505.44 and is original and has been provided for the Operator.				

### Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under TPDES General Permit (TXR050000) General Information and Instructions

GENERAL INFORMATION				
Where to Send the Notice of Intent (NOI) and other related forms:				
BY REGULAR U.S. MAIL Texas Commission on Environmental Quality Storm Water Processing Center (MC228) P.O. Box 13087 Austin, TX 78711-3087	BY OVERNIGHT/EXPRESS MAIL Texas Commission on Environmental Quality Storm Water Processing Center (MC228) 12100 Park 35 Circle Austin, TX 78753			
TCEQ Contact list:				
Application Processing Questions relating to the status and form requirements Technical Questions relating to the general permit: Environmental Law Division: Records Management for obtaining copies of forms submitted to TCEQ: Information Services for obtaining reports from program data bases (as availa Financial Administration's Cashier's office:	s: 512/239-3700 or <u>swpermit@tccq.state.tx.us</u> 512/239-4671 or <u>swgp@tccq.state.tx.us</u> 512/239-0600 512/239-0900 sble): 512/239-DATA (3282) 512/239-0357 or 512/239-0187			
Notice of Intent Process:				
When your NOI is received by the program, the form will be processed as fol	lows:			
1. Administrative Review: Each item on the form will be reviewed for a complete response. In addition, the operator's legal name must be verified with Texas Secretary of State as valid and active (if applicable). The address(s) on the form must be verified with the US Postal service as an address receiving regular mail delivery. Never give an overnight/express mailing address.				
2. Notice of Deficiency: If an item is incomplete or not verifiable as indicated above, a notice of deficiency (NOD) will be mailed to the operator. The operator will have 30 days to respond to the NOD. The response will be reviewed for completeness.				
3. Acknowledgment of Coverage: An Acknowledgment Certificate will be mailed to the operator. This certificate acknowledges coverage under the general permitor-				
Denial of Coverage: If the operator fails to respond to the NOD or the response is inadequate, coverage under the general permit may be denied. If coverage is denied, the operator will be notified.				
General Permit (Your Permit) Coverage under the general permit begins 48 hours after a completed NOI is postmarked for delivery to the TCEQ. You should have a copy of your general permit when submitting your application. You may view and print your permit for which you are seeking coverage, on the TCEQ web site www.tceq.state.tx.us				
General Permit Forms The Notice of Intent (NOI), Notice of Termination (NOT), and Notice of Change (NOC) with instructions are available in Adobe Acrobat PDF format on the TCEQ web site <u>www.tceq.state.tx.us</u> .				
Change in Operator An authorization under the general permit is not transferable. If the operator of the regulated entity changes, the present permittee must submit a Notice of Termination and the new operator must submit a Notice of Intent. The NOT and NOI must be submitted not later than 10 days prior to the change in Operator status.				
TCEQ Central Registry Core Data Form The Core Data Form has been incorporated into this form. Do not send a core data form to TCEQ.				
After final acknowledgment of coverage under the general permit, the program will assign a Customer Number (CN) and Regulated Entity Number (RN).				
You can find the information on the Central Registry web site at <u>www4.tccq.s</u> Number (CN) or Name (Permittee), or by your permit number under the search	state.tx.us/crpub. You can search by the Regulated Entity (RN), Customer ch field labeled "Additional ID". Capitalize all letters in the permit number.			
The Customer (Permittee) is responsible for providing consistent information changes occur. For General Permits, a Notice of Change form must be submit	to the TCEQ, and for updating all CN and RN data for all authorizations as itted to the program area.			

#### Fees are associated with a General Permit

The general permit refers to two different fees that apply to the operator submitting a Notice of Intent (NOI) and authorized under the General Permit. Payment of the fees may be made by check or money order, payable to TCEQ, or through EPAY (electronic payment) through the web). Fees:

1. Application Fee: This fee is required to be paid at the time the NOI is submitted. Failure to submit payment at the time the application is filed will cause delays in acknowledgment or denial of coverage under the general permit.

#### Mailed Payments:

Payment must be mailed under separate cover at one of the addresses below using the attached Application Fee submittal form. (DO NOT SEND A COPY OF THE NOI WITH THE APPLICATION FEE SUBMITTAL FORM)

BY REGULAR U.S. MAIL Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 P.O. Box 13088 Austin, TX 78711-3088 BY OVERNIGHT/EXPRESS MAIL Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 12100 Park 35 Circle Austin, TX 78753

# ePAY Electronic Payment: Go to <u>www.tceq.state.tx.us/epay</u>

When making the payment you must select Water Quality, then select the fee category "GENERAL PERMIT INDUSTRIAL STORM WATER DISCHARGE NOI APPLICATION". You must include a copy of the payment voucher with your NOI. Your NOI will not be considered complete without the payment voucher.

2. Annual Water Quality Fee: This fee is assessed to operators with an active authorization under the general permit on September 1 of each year. The operator will receive an invoice for payment of the annual fee in November of each year. The payment will be due 30 days from the invoice date. A 5% penalty will be assessed if the payment is received by TCEQ after the due date. Annual fee assessments cannot be waived as long as the authorization under the general permit is active on September I. It's important for the operator to submit a Notice of Termination (NOT) when coverage under the general permit is no longer required. A NOT is effective on the postmarked date of mailing the form to TCEQ. It is recommended that the NOT be mailed using a method that documents the date mailed and received by TCEQ.

#### Mailed Payments:

You must return your payment with the billing coupon provided with the billing statement.

#### ePAY Electronic Payment:

#### Go to www.tceq.state.tx.us/epay

You must enter your account number provided at the top portion of your billing statement. Payment methods include Mastercard, Visa, and electronic check payment (ACH). A transaction over \$500 can only be made by ACH.

### **INSTRUCTIONS FOR FILLING OUT THE NOI FORM**

#### **Renewal of General Permit**

Upon issuance of a renewed permit, dischargers holding active authorizations under the expired general permit are required to submit a Notice of Intent to continue coverage. The existing permit number must be provided.

If the permit number provided is found to be terminated or denied, or was not provided, a new permit number will be issued. Please note that the authorizations under a general permit are not transferable. If the permittee has changed, the NOI will be processed as a new permit.

If a new NOI is not submitted by the deadline specified by TCEQ, existing permits under the expired general permit will be considered expired.

#### A. OPERATOR (As defined in the general permit.)

#### 1. TCEQ Issued Customer Number (CN)

TCEQ's Central Registry will assign each customer a number that begins with "CN," followed by nine digits. This is not a permit number, registration number, or license number.

- If this customer has not been assigned a Customer Reference Number, leave the space for the Customer Reference Number blank.
- If this customer has already been assigned this number, enter the operator's Customer Reference Number in the space provided.

#### 2. Legal Name

Provide the legal name of the facility operator, as authorized to do business in Texas. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or on other legal documents forming the entity, that is filed in the county where doing business. You may contact the SOS at 512/463-5555, for more information related to filing in Texas. If filed in the county where doing business, provide a copy of the legal documents showing the legal name.

TCEQ-10382 Instructions (08/09/2006)

3. Operator Mailing Address
Provide a complete mailing address for receiving mail from the TCEQ. The address must be verifiable with the US Postal Service at www.usps.com., for regular mail delivery (not overnight express mail). If you find that the address is not verifiable using the USPS web search, please indicate the address is used by the USPS for regular mail delivery.
4. Phone Number This number should correspond to this customer's mailing address given earlier. Enter the area code and phone number here. Leave "Extension" blank if this customer's phone system lacks this feature
5. Fax Number and E-mail Address
This number and E-mail address should correspond to operator's mailing address provided earlier. (Optional Information)
Check only one box that identifies the type of entity. Use the descriptions below to identify the appropriate entity type:
Individual is a customer who has not established a business, but conducts an activity that needs to be regulated by the TCEQ.
Sole Proprietorship— D.B.A. is a customer that is owned by only one person and has not been incorporated. This business may: • be under the person's name
<ul> <li>have its own name ("doing business as," or d.b.a.)</li> <li>have any number of employees</li> </ul>
Partnership is a customer that is established as a partnership as defined by the Texas Secretary of State's Office.
Corporation the customer meets all of these conditions: is a legally incorporated entity under the laws of any state or country
is recognized as a corporation by the Texas Secretary of State
has proper operating authority to operate in Texas.
Government- Federal, state, county, or city government (as appropriate) the customer is either an agency of one of these levels of government or the governmental body itself.
Other is Estate, Trust, etc.
the customer does not fit one of the above descriptions. Enter a short description of the type of customer in the blank provided.
Check "No" if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check "Yes."
8. Number of Employees Check one box to show the number of employees for this customer's entire company, at all locations. This is not necessarily the number of employees at the site arms of its the NOL.
9. State Franchise Tax ID Number
Corporations and limited liability companies that operate in Texas are issued a franchise tax identification number. If this customer is a corporation or limited liability company, enter this number here.
Federal Tax ID
All businesses, except for some small sole proprietors, individuals, or general partnerships should have a federal taxpayer identification number (TIN). Enter this number here. Use no prefixes, dashes, or hyphens. Sole proprietors, individuals, or general partnerships do not need to provide a federal tax ID.
TX SOS Charter (filing) Number Corporations and Limited Partnerships required to register with the Texas Secretary of State are issued a charter or filing number. You may obtain further information by calling SOS at 512/463-5555.
DUNS Number
B. Billing Address
An annual fee is assessed to each operator holding an active authorization under the general permit on September 1 of each year. Provide the complete
mailing address where the annual fee invoice should be mailed. Verify the address with the USPS. It must be an address for delivery of regular mail, not overnight express mail. Also, provide a phone number of the operator's representative responsible for payment of the invoice.
Country Mailing Information
It this address is outside the United States, enter the territory name, country code, and any non-ZIP mailing codes or other non-U.S. Postal Service features here. If this address is inside the United States, leave these spaces blank.
C. Application Contact
Provide the name, title and communication information of the person that TCEQ can contact for additional information regarding this application.
1. Regulated Entity Reference Number (RN)
This is a number issued by TCEQ's Central Registry to sites (a location where a regulated activity occurs) regulated by TCEO. This is not a nermit
number, registration number, or license number. • If this Regulated Entity has not been assigned a Regulated Entity Number, leave this space blank
If this customer has been assigned this number, enter the operator's Regulated Entity Number.
2. Site/Project Name/Regulated Entity Provide the name of the site as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity.
TCEQ-10382 Instructions (08/09/2006) Page 3

3. Site/Project (RE) Physical Address

Enter the complete address of where the site is located. This address must be validated through US Postal Service or your local police (911 service) as a valid address. Please confirm this to be a complete and valid address. In some rural areas, new addresses are being assigned to replace rural route addresses. Please do not use a rural route or post office box for a site location.

If a site does not have an actual physical address that includes a street (or house) number and street name, enter NO ADDRESS for the street name. Then provide a complete written location access description. For example: "The site is located 2 miles west from intersection of Hwy 290 & IH35, located on the southwest corner of the Hwy 290 South bound lane."

Provide the city and ZIP code of the area where the facility is located. This is information is required to complete the processing of your form. 4. Latitude and Longitude

Enter the latitude and longitude of the site in either degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to: www.tceq.state.tx.us/gis/drgview.html or www.terraserver.microsofl.com/advfind.aspx.

#### 5. Description of Activity Regulated

In your own words, briefly describe the primary business being conducted at the site. (A description specific to what you are doing that requires this authorization - Do not repeat the SIC Code(s).)

#### SITE MAILING ADDRESS

Provide a complete mailing address to be used by TCEQ for receiving mail at the site. In most cases, the address is the same as the operator. If so, simply place a check mark in the box. If you provide a different address, please verify the address with USPS as instructed above for the operator address.

#### E. GENERAL CHARACTERISTICS

#### 1. Indian Country Lands

If your site is located on Indian Country Lands, the TCEQ does not have authority to process your application. You must obtain authorization through EPA, Region VI, Dallas. Do not submit this form to TCEQ.

2. Please Indicate if the NOI is being submitted due to a change in operator.

#### 3. Industrial Activity Standard Industrial Classification (SIC) code

Provide the SIC Code that is within the range listed and corresponds with the selected Activity or Sector in the General Permit. It is possible that a Primary SIC code relates to the overall operation of the business and is not a specific SIC code that relates to the particular Storm Water activity. Please enter the SIC code for activity that qualifies for coverage under the general permit as the Primary SIC Code.

#### 4. Industrial Activity Sector

General Permit TXR050000 defines the 30 industrial activity sectors listed on the NOI on the basis of SIC and activity codes. For more information about these sectors, read the general permit, Texas Pollutant Discharge Elimination System Multi-Sector General Permit for Industrial Storm Water Discharges (TCEQ publication RG-394). This publication is available on our web site at <u>www.tceq.state.tx.us</u>.

#### 5. Industrial Activity Code

If any of the following narrative descriptions pertain to your facility, provide the appropriate activity code.

HZ: Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;

LF: Landfills, land application sites, and open dumps that receive or have received any industrial wastes, including those

that are subject to regulation under Subtitle D of RCRA;

SE: Steam electric power generating facilities, including coal handling sites;

TW: Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system,

used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage.

#### 6. Discharge Information

a. Identify the water body where the storm water discharge or potential discharge will reach.

b. Identify the classified segment number. Go to the link to find the segment number of the classified water body where wastewater will flow <a href="http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/viewer/viewer.html">http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/viewer/viewer.html</a>

c. Identify the MS4 Operator name if the storm water discharge is into an MS4.

For assistance, you may call the technical staff at 512/239-4671.

7. Edwards Aquifer Rule

See maps on the TCEQ website to determine if the site is located within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer at <a href="http://www.tceq.state.tx.us/compliance/field\_ops/eapp/viewer.html">http://www.tceq.state.tx.us/compliance/field\_ops/eapp/viewer.html</a>.

If the discharge or potential discharge is within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, a site specific authorization approved by the Executive Director under the Edwards Aquifer Protection Program (30 TAC Chapter 213) is required before construction can begin.

The general permit requires the approved Contributing Zone Plan or Water Pollution Abatement Plan to be included as a part of the Storm Water Pollution Prevention Plan. The certification must be answered "Yes" for coverage under the general permit.

#### F. CERTIFICATIONS

Failure to indicate "Yes" to ALL of the certification items may result in denial of coverage under the general permit.

The certification must bear an original signature of a person meeting the signatory requirements specified under 30 Texas Administrative Code (TAC) \$305.44.

#### IF YOU ARE A CORPORATION:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(1) (see below). According to this code provision, any corporate representative may sign an NOI or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the NOI or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

#### IF YOU ARE A MUNICIPALITY OR OTHER GOVERNMENT ENTITY:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(3) (see below). According to this code provision, only a ranking elected official or principal executive officer may sign an NOI or similar form. Persons such as the City Mayor or County Commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statute(s) under which your government entity was formed. An NOI or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to §305.44(a)(3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the NOI or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.

If you have any questions or need additional information concerning the signatory requirements discussed above, please contact the Texas Commission on Environmental Quality's Environmental Law Division at 512/239-0600.

#### 30 Texas Administrative Code §305.44. Signatories to Applications.

(a) All applications shall be signed as follows.

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

(2) For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

(3) For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

Texas Commission on Environmental Quality				
General Permit I	Payment Submittal Form			
Use this form to submit your Application Fee only if you are mailing your payment.				
•Complete items 1 through 5 below:				
• Staple your check in the space provided at the bottom of this document.     • Do not mail this form with your NOL form				
•Do not mail this form to the same address as your NOI.				
Mail this form and your check to:				
BY REGULAR U.S. MAIL	BY OVERNIGHT/EXPRESS MAIL			
Texas Commission on Environmental Quality	Texas Commission on Environmental Quality			
Financial Administration Division	Financial Administration Division			
Cashier's Office, MC-214	Cashier's Office, MC-214			
P.O. Box 13088	12100 Park 35 Circle			
Austin, TX 78711-3088	Austin, TX 78753			
Fee Code: GPA General Permit: TXR0	50000			
1. Check / Money Order No:				
2. Amount of Check/Money Order:				
3. Date of Check or Money Order:	· · · · · · · · · · · · · · · · · · ·			
4. Name on Check or Money Order:				
5. NOI INFORMATION				
If the check is for more than one NOI, list each Project/Site (RE) Name a	ind Physical Address exactly as provided on the NOI. DO NOT SUBMIT			
A COPY OF THE NOT WITH THIS FORM AS IT COULD CAUSE DU	IPLICATE PERMITENTRIES.			
See Anached List of Sites (If more space is needed, you may attach a list	.)			
Project/Site (RE) Name:				
Project/Site (RE) Physical Address:				
	·····			
Stanle Charle I., This Survey				
Staple Check In This Space				
A 1				

TCEQ-20134 (04/13/2006)

#### Agent Authorization Form

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

1	Fred Kaimer	
	Print Name	
	General Partner	
	Title Qwner/President/	
of	REN LP	,
	Corporation/Partnership/Entity Name	
have authorized _	Daniel J. Brown, P.E.	
	Print Name of Agent/Engineer	
of	Malone/Wheeler, Inc.	
	Print Name of FITM	

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

<u>02/01/2017</u> Date

THE STATE OF TEXAS §

County of WILLIAMSON §

BEFORE ME, the undersigned authority, on this day personally appeared <u>FRED</u> <u>KAMCR</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 152 day of FEB, 3017.



Elle

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 00/30/2018

# **Application Fee Form**

Texas Commission on Environmental Quality         Name of Proposed Regulated Entity: Swagelok Austin         Regulated Entity Location: 1017 Innovation Way, Cedar Park, Texas 78613         Name of Customer: REN LP         Contact Person: Fred Kaimer       Phone: (512) 832-5057         Customer Reference Number (if issued):CN 605311141         Regulated Entity Reference Number (if issued):RN 109655274				
Austin Regional Office (3373)				
Hays	Travis	XV	Villiamson	
San Antonio Regional Office (336	52)			
Bexar	Medina	<u> </u>	Jvalde	
Application foos must be paid by	chock cortified chock of	r monov ordor nova	blo to the <b>Toyas</b>	
Commission on Environmental O	uality Your canceled c	heck will serve as vo	ur receint <b>This</b>	
form must be submitted with yo	ur fee payment. This pa	ayment is being subr	nitted to:	
X Austin Regional Office		an Antonio Regional	Office	
Mailed to: TCEO - Cashier		vernight Delivery to:	TCEO - Cashier	
Bevenues Section	1	2100 Park 35 Circle		
Mail Code 214	B	uilding A. 3rd Floor		
P.O. Box 13088	A	ustin. TX 78753		
Austin, TX 78711-3088	(5	512)239-0357		
Site Location (Check All That App	bly):			
Recharge Zone	X Contributing Zone	Tran	sition Zone	
Type of Pla	n	Size	Fee Due	
Water Pollution Abatement Plan,	Contributing Zone			
Plan: One Single Family Residenti	al Dwelling	Acres	; \$	
Water Pollution Abatement Plan,	Contributing Zone			
Plan: Multiple Single Family Residential and Parks		Acres	; \$	
Water Pollution Abatement Plan, Contributing Zone				
Plan: Non-residential		4.633 Acres	\$4,000.00	
Sewage Collection System		L.F.	. \$	
Lift Stations without sewer lines		Acres	; \$	
Underground or Aboveground Sto	orage Tank Facility	Tanks	ş \$	
Piping System(s)(only)		Each	ı \$	
Exception		Each	ı \$	
Extension of Time Each \$				

Signature:

Date: 05/12/2025

# **Application Fee Schedule**

### Texas Commission on Environmental Quality

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

### Water Pollution Abatement Plans and Modifications

### *Contributing Zone Plans and Modifications*

Project	Project Area in Acres	Fee
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, 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	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

### **Organized Sewage Collection Systems and Modifications**

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

# Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

#### **Exception Requests**

Project	Fee			
Exception Request	\$500			

### **Extension of Time Requests**

Project	Fee
Extension of Time Request	\$150



# **TCEQ Core Data Form**

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

### **SECTION I: General Information**

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)								
New Permit, Registration or Authorization ( <i>Core Data Form should be submitted with the program application.</i> )								
Renewal (Core Data Form should be submitted with the	Other Modified CZP							
2. Customer Reference Number (if issued)	Follow this link to search	3. Regulated Entity Reference Number (if issued)						
CN 605311141	<u>Central Registry**</u>	RN 109655274						

### **SECTION II: Customer Information**

		·								,		
4. General Cu	istomer In	formati	on	5. Effective Date for Custome				rmation	Updates (mm/dd/	05/07/2025		
New Custor	mer		V 🛛	pdate to Custom	er Informat	ion		Chan	ge in Regulated Ent	ity Owne	ership	
Change in L	egal Name (	(Verifiabl	e with the Te	as Secretary of S	tate or Texa	as Com	otrolle	r of Public	Accounts)			
The Custome	The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State											
(SOS) or Texas Comptroller of Public Accounts (CPA).												
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below:												
REN LP												
7. TX SOS/CP	A Filing N	umber		8. TX State Ta	<b>x ID</b> (11 di	gits)			9. Federal Tax II	D	10. DUNS I	Number (if
	0					0,					applicable)	
0802028301				32054628824					(9 digits)			
									47-2021268		N/A	
									47-2021208			
11. Type of C	ustomer:		🔀 Corporat	ion				🗌 Individual 🛛 Partnership: 🔲 🤇			ership: 🗌 Gen	eral 🗌 Limited
Government: [	City 🗌 🕻	County 🗌	] Federal 🗌	Local 🗌 State 🗌	Other		1	Sole Pr	roprietorship	🗌 Otl	her:	
12. Number o	of Employ	ees							13. Independer	ntly Ow	ned and Ope	erated?
	D1 100 F	7 4 0 4 9 5	·o □ 254	F00	al hish su					<b>_</b> N-		
	21-100	101-25	0 251-	500 <u>501 ar</u>	ia nigner				K res			
14. Custome	<b>Role</b> (Pro	posed or	Actual) – as i	t relates to the Re	eaulated En	ntitv list	ed on t	his form.	Please check one of	the follo	wina	
	( -		,		<u> </u>	,		- <b>)</b> -		· · <b>)</b> · ·	5	
⊠Owner		🗌 Ope	erator	Own	er & Opera	tor			Other:			
Occupation	al Licensee	🗌 Re	esponsible Pai	rty 🗌 VC	P/BSA App	licant						
15 Mailing	1017 Inno	ovation V	Vay									
15. Iviaining												
Address:												
	City	Cedar	Park		State	ТΧ		ZIP	78613		ZIP + 4	
16. Country I	Mailing Inf	formatio	on (if outside	USA)			17. E-Mail Address (if applicable)					
N/A						fkaimer@swagelok.com						

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
( 512 ) 832-5057		( ) -

# **SECTION III: Regulated Entity Information**

24. Company I Downlotted Fu			1					
21. General Regulated Er	ntity information	<b>aon</b> (If 'New Regulate	d Entity" is selec	ted, a new pe	ermit applic	ation is also required.)		
New Regulated Entity	Update to	Regulated Entity Name	e 🛛 Update t	o Regulated	Entity Inforr	nation		
The Regulated Entity Na	me submitted	l may be updated, i	in order to mee	et TCEQ Cor	e Data Sta	ndards (removal of	organization	al endings such
as Inc. LP. or LLC).								
22 Regulated Entity Nan	no (Enter name	of the cite where the	regulated action	is takina nla				
22. Regulated Entity Nam		toj the site where the	regulated action	is tuking plu	<i>LE.)</i>			
Swagelok Austin								
e mageren / detin								
	1017 Innova	tion Wav						
23. Street Address of		,						
the Regulated Entity:								
(No PO Boyes)								1
[NO 1 O DOXE3]	City	Cedar Park	State	ТХ	ZIP	78613	ZIP + 4	
24 County	Williamson	•	•	•	•	•	•	
24. County	vvillariis011							

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

25. Description to	N/A								
Physical Location:	NA								
26. Nearest City						State		Near	est ZIP Code
N/A						NA		N/A	
Latitude/Longitude are r	equired and	may be added/	updated to meet T	CEQ Core D	ata Standa	ırds. (Geocodii	ng of the	Physical J	Address may be
used to supply coordinate	es where no	ne have been pi	rovided or to gain a	iccuracy).					
27. Latitude (N) In Decim	al:	N/A		28. Lo	ongitude (V	V) In Decimal:		N/A	
Degrees	Minutes		Seconds	Degre	es	Minute	es		Seconds
N/A	1	N/A	N/A		N/A		N/A		N/A
29. Primary SIC Code	30.	Secondary SIC C	Code	31. Primar	y NAICS Co	de 3	2. Second	lary NAIC	S Code
(4 digits)	(4 digits) (5 or 6 digits) (5 or 6 digits)								
5085	N/A			423830	830 N/A				
33. What is the Primary E	Business of t	his entity? (Do	not repeat the SIC or	NAICS descri	ption.)				
Fluid System Components Di	stribution								
	1017 Inno	vation Way							
34. Mailing									
Address:		1							
	City	Cedar Park	State	тх	ZIP	78613		ZIP + 4	
35. E-Mail Address:	fkai	mer@swagelok.co	om						
36. Telephone Number			37. Extension or (	Code	38. F	ax Number (if	applicable)	)	
( 512 ) 832-5057	( ) -								

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

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	Industrial Hazardous Waste
		EAPP ID: 11-06102701		
		EAPP ID: 11000552		
Municipal Solid Waste	New Source Review Air	☐ OSSF	Petroleum Storage Tank	D PWS
Sludge	Storm Water	Title V Air	Tires	Used Oil
Voluntary Cleanup	U Wastewater	Wastewater Agriculture	Water Rights	Other:

### **SECTION IV: Preparer Information**

40. Name:	Eduardo Aguiri	re		41. Title:	E.I.T.	
42. Telephone	Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
( 315 ) 868-2402			( ) -	eduardoa@n	nalonewheeler.com	

### **SECTION V: Authorized Signature**

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

Company:	Malone/Wheeler, Inc.	Job Title:	oject Manager		
Name (In Print):	Daniel J. Brown, P.E.			Phone:	( 512 ) 899- <b>0601</b>
Signature:	Chi Zen			Date:	05/12/2025