CIVILITUDE
ENGINEERS & PLANNERS

Recharge and Transition Zone Exception Request

for

Round Rock ISD Career & Technical Education (CTE) Center

9900 Spectrum Dr, Austin, TX 78717

CV Project #A845

Prepared By:

CIVILITUDE
503 Kenniston Drive,
Austin, TX-78752
Phone: (512) 761-6161
Fax: (512) 761-6167
www.civilitude.com

Firm Reg. # 12469

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.

3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.

4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

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

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.

6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

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

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.

4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: Round Rock ISD Career & Technical Education (CTE) Center						**2. Regulated Entity No.:** RN100580794			
3. Customer Name: Round Rock ISD						**4. Customer No.:** CN600355358			
5. Project Type: **(Please circle/check one)**	New		Modification			Extension	Exception		
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		Non-residential			**8. Site (acres):**		48.79	
9. Application Fee:	$500		**10. Permanent BMP(s):**			Filtration & Detention Ponds			
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						
13. County:	Williamson		**14. Watershed:**			Lake Creek			

Application Distribution

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

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

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

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	__	__	☑
Region (1 req.)	__	__	☑
County(ies)	__	__	☑
Groundwater Conservation District(s)	__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 __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.

Ali Al-Zoubi

Print Name of Customer/Authorized Agent

04/20/2026

Signature of Customer/Authorized Agent | Date

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

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Ali Al-Zoubi

Date: 04/20/2026

Signature of Customer/Agent:

Project Information

1. Regulated Entity Name: Round Rock ISD Career & Technical Education (CTE) Center
2. County: Williamson
3. Stream Basin: Lake Creek
4. Groundwater Conservation District (If applicable): N/A
5. Edwards Aquifer Zone:

   ☑ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

   ☐ WPAP
   ☐ SCS
   ☐ Modification
   ☐ AST
   ☐ UST
   ☑ Exception Request

7. Customer (Applicant):

   Contact Person: Dennis Covington
   Entity: Round Rock ISD
   Mailing Address: 1311 Round Rock Ave.
   City, State: RoundRock, TX Zip: 78681
   Telephone: 512-464-5000 FAX: _____
   Email Address: Dennis_Convington@roundrockisd.org

8. Agent/Representative (If any):

   Contact Person: Ali Al-Zoubi
   Entity: Civilitude LLC.
   Mailing Address: 503 Kenniston Dr., Unit 5
   City, State: Austin, TX Zip: 78752
   Telephone: (512) 761-6161 FAX: _____
   Email Address: Ali@civilitude.com

9. Project Location:

   ☑ The project site is located inside the city limits of Austin
   ☐ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
   ☐ The project site is not located within any city's limits or ETJ.

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

    9900 Spectrum Dr., Austin, Texas 78717

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

12. ☑ **Attachment B - USGS / Edwards Recharge Zone Map**. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:

    ☑ Project site boundaries.
    ☑ USGS Quadrangle Name(s).
    ☑ Boundaries of the Recharge Zone (and Transition Zone, if applicable).
    ☑ Drainage path from the project site to the boundary of the Recharge Zone.

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

    ☐ Survey staking will be completed by this date: _____

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

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

15. Existing project site conditions are noted below:

- ☑ Existing commercial site
- ☐ Existing industrial site
- ☐ Existing residential site
- ☐ Existing paved and/or unpaved roads
- ☐ Undeveloped (Cleared)
- ☐ Undeveloped (Undisturbed/Uncleared)
- ☐ Other: _____

Prohibited Activities

16. ☑ I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

(1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);

(2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;

(3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;

(4) The use of sewage holding tanks as parts of organized collection systems; and

(5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).

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

17. ☑ I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

(1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);

(2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and

(3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

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

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

19. ☑ Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

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

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

21. ☑ No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

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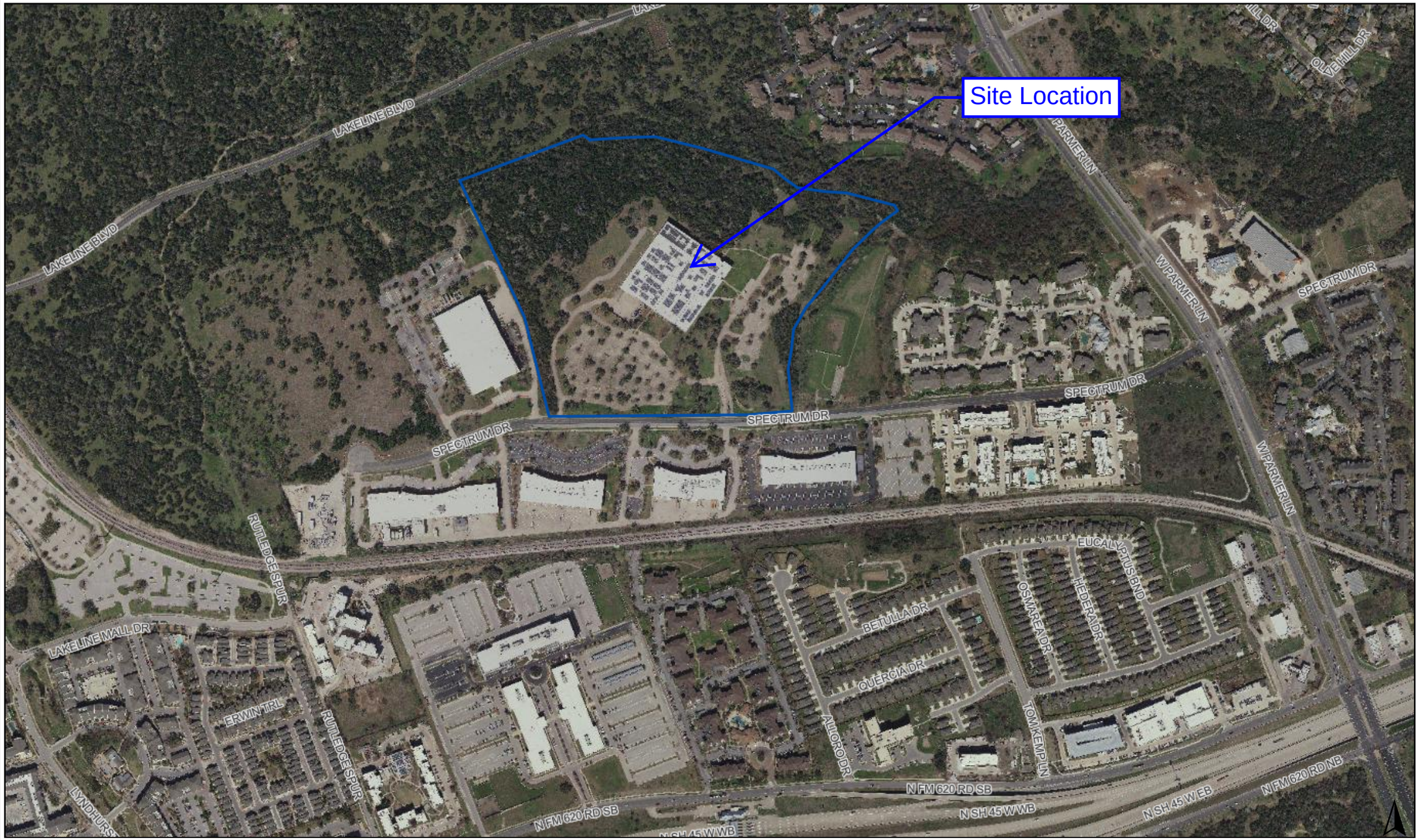
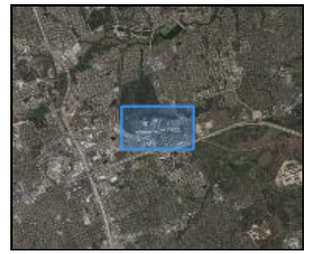
ATTACHMENT A

ROAD MAP

Property Profile

Round Rock ISD Career & Technical Education (CTE) Center





Legend

Property

Street Labels

Notes

9900 Spectrum Dr., Austin, Texas 78717

0 1500 3000 ft

4/10/2026

CIVILITUDE
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ATTACHMENT B

USGS / EDWARDS RECHARGE ZONE MAP

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JOLLYVILLE QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 LAKE TRAVIS 15' QUADRANGLE

Edwards Aquifer Contributing Zone

Edwards Aquifer Contributing Zone

Subject Site

Edwards Aquifer Recharge Zone

Mapped, edited and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1967. Field checked 1968. Revised from aerial photographs taken 1985. Field checked 1986. Map edited 1987

Projection and 10,000-foot grid ticks: Texas coordinate system, central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 14
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 18 meters south and 28 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines

Areas covered by dashed light-blue pattern are subject to controlled inundation

Red tint indicates areas in which only landmark buildings are shown

UTM GRID AND 1987 MAGNETIC NORTH DECLINATION AT CENTER OF MAP DIAGRAM IS APPROXIMATE

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

3097-234

ROAD CLASSIFICATION

Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

JOLLYVILLE, TEX.
NE/4 LAKE TRAVIS 15' QUADRANGLE
30097-D7-TF-024

1987

DMA 6444 IV NE-SERIES V882

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1987

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program

Regulatory Zones

30 TAC Chapter 213- Edwards Aquifer
Effective March 1990

This map was produced by the Groundwater Planning and Assessment Team of the Texas Commission on Environmental Quality to detail the boundaries of the regulatory zones of the Edwards Aquifer Protection Program, as described in Texas Administrative Code Title 30, Part 1, §213.3. No other claims are made to the accuracy or completeness of the data or to its suitability for a particular use. For more information about the Edwards Aquifer Protection Program, please contact the TCEQ Regional Offices in San Antonio or Austin. Printed June 2006.

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ATTACHMENT C

PROJECT DESCRIPTION

CIVILITUDE
ENGINEERS & PLANNERS

Texas P.E. Firm Registration 12469
503 Kenniston Dr, Unit 5 Austin, TX 78752
Phone 512.761.6161 | Fax 512.761.6167
info@civilitude.com | civilitude.com

General Information Form [TCEQ 0587]

Attachment C

Project Description

Round Rock ISD Career & Technical Education (CTE) Center is an existing commercial office within the City of Austin (COA) full-purpose city limits, located at 9900 Spectrum Dr, Austin, TX 78717, and is zoned as IP-PDA. The site is also located within Williamson County and is within the boundaries of Edward's Aquifer Recharge Zone. The site is located within the Lake Creek watershed, and A small portion of the property in the northeast corner is located within the FEMA 100-year floodplain as shown on FEMA Panel No. 48491C0610F dated December 20, 2019. No development is proposed within the floodplain boundary. The proposed development consists of an interior renovation along with external improvements including shade canopies, additional sidewalk, a fire lane extension, a rain garden, and the removal of parking spaces/pavement. No major improvements such as access changes, building additions, or improvements to existing water and wastewater systems are proposed. No changes to the total amount of IC are proposed as additional IC will be offset by removing equal amounts of pavement for a net-zero impact.

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Letter of Omission – Geological Assessment

Project: Round Rock ISD Career & Technical Education (CTE) Center

Address/Parcel: 9900 Spectrum Rd., Austin, Texas 78717 - R337820

Applicant/Agent: Civilitude, on behalf of Round Rock Independent School District

Date: 04/10/2026

The proposed development consists of an interior renovation along with external improvements including shade canopies, additional sidewalk, a fire lane extension, and a rain garden with some parking demolition to offset the additions. No changes to the total amount of impervious cover (IC) are proposed as additional IC will be offset by removing equal amounts of pavement for a net-zero impact. As this site has already been permitted and the proposed improvements are contained within the developed area, no geologic assessment is required.

Sincerely,

Ali Al-Zoubi, EIT – Graduate Civil Engineer
Civilitude (Agent for Owner)

Recharge and Transition Zone Exception Request Form

Texas Commission on Environmental Quality
30 TAC §213.9 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 **Recharge and Transition Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Ali Al-Zoubi
Date: 04/20/2026
Signature of Customer/Agent:

Regulated Entity Name: Round Rock ISD Career & Technical Education (CTE) Center

Exception Request

1. ☑ **Attachment A - Nature of Exception**. A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter A for which an exception is being requested have been identified in the description.
2. ☑ **Attachment B - Documentation of Equivalent Water Quality Protection**. Documentation demonstrating equivalent water quality protection for the Edwards Aquifer is attached.

Administrative Information

3. ☑ 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.
4. ☑ The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
5. ☑ The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

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ATTACHMENT A

NATURE OF EXCEPTION

CIVILITUDE
ENGINEERS & PLANNERS

Texas P.E. Firm Registration 12469
503 Kenniston Dr, Unit 5 Austin, TX 78752
Phone 512.761.6161 | Fax 512.761.6167
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Attachment A – Nature of Exception

Requestor Information:

Name:	Civilitude LLC., on behalf of Round Rock Independent School District
Address:	503 Kenniston Dr., Austin, TX 78752
Phone:	(512) 761-6161

Site Information:

Site Name:	Round Rock ISD Career & Technical Education (CTE) Center
Project Name:	RRISD-CTE Center
Location:	9900 Spectrum Rd., Austin, Texas 78717

Nature of Exception:

The proposed development consists of an interior renovation along with external improvements including shade canopies, additional sidewalk, a fire lane extension, and a rain garden with some parking demolition to offset the additions. No changes to the total amount of impervious cover (IC) are proposed as additional IC will be offset by removing equal amounts of pavement for a net-zero impact. As this site has already been permitted and the proposed improvements are contained within the developed area.

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ATTACHMENT B

DOCUMENTATION OF EQUIVALENT WATER QUALITY PROTECTION

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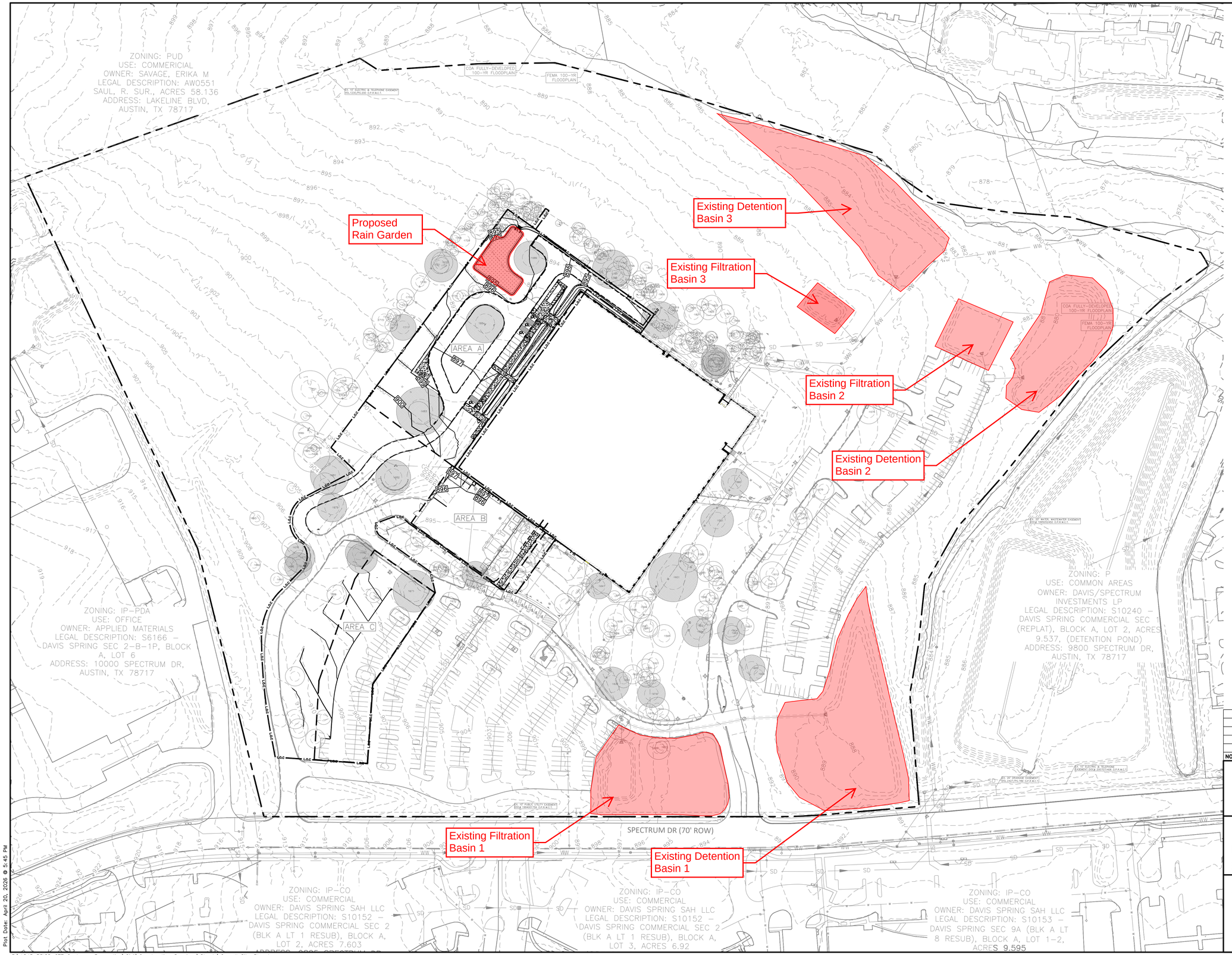
Existing BMPs for this site include 3 previously permitted filtration and detention ponds, and the proposed development adds an additional rain garden. The following sheet shows pond and rain garden locations onsite.



LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
- BUILDING PAD AREA
- PAVEMENT / ASPHALT
- PAVEMENT / CONCRETE
- STORM DRAIN LINE
- WATER LINE
- WASTEWATER LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTEWATER MANHOLE
- WASTEWATER CLEANOUT
- BACKFLOW PREVENTER
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- TRANSFORMER
- AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

Texas 811

0' 40' 80' 160'
SCALE:1"=80'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD - CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717
SITE ADDITION
OVERALL SITE PLAN

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 53 OF 65

RRISD - CTE CENTER RENOVATION - 9900 SPECTRUM DR, AUSTIN, TX 78717
SP-94-0047C(R1).CC

Plot Date: April 20, 2026 @ 5:45 PM
P:\A845 RRISD CTE Center - Renovation\Civil\Construction Drawings\Sheets\Overall Site Plan.dwg

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: Ali Al-Zoubi

Date: 04/20/2026

Signature of Customer/Agent:

Regulated Entity Name: Round Rock ISD Career & Technical Education (CTE) Center

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: Davis Spring Branch Creek

Temporary Best Management Practices (TBMPs)

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

7. ☑ **Attachment D – Temporary Best Management Practices and Measures**. TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

- ☑ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
- ☑ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
- ☑ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
- ☑ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

8. ☑ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.

   - ☐ **Attachment E - Request to Temporarily Seal a Feature**. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
   - ☑ There will be no temporary sealing of naturally-occurring sensitive features on the site.

9. ☑ **Attachment F - Structural Practices**. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.

10. ☑ **Attachment G - Drainage Area Map**. A drainage area map supporting the following requirements is attached:

    - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
    - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
    - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
    - ☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

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

11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations**. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.

    ☑ N/A

12. ☑ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.

13. ☑ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.

14. ☑ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).

15. ☑ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.

16. ☑ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

18. ☑ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

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

Administrative Information

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

21. ☑ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

22. ☑ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

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ENGINEERS & PLANNERS

Texas P.E. Firm Registration 12469
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ATTACHMENT A

SPILL RESPONSE ACTIONS

Spills will be reported to the City of Austin (via 911 in emergencies). Hydrocarbons or hazardous substances spilled during construction will be cleaned up immediately upon detection. Waterways will be broomed and vacuumed as required. Contaminated soil will be excavated and removed to a TCEQ approved disposal site. The TCEQ will be notified immediately upon detection.

The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees. The following steps will help reduce the stormwater impacts of leaks and spills:

Education

1. Be aware that different materials pollute in different amounts. Make sure that each employee knows what a “significant spill” is for each material they use, and what is the appropriate response for “significant” and “insignificant” spills. Employees should also be aware of when a spill must be reported to the TCEQ. Information is available in 30 TAC 327.4 and 40 CFR 302.4.

2. Educate employees and subcontractors on the potential dangers to humans and the environment from spills and leaks.

3. Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).

4. Establish a continuing education program to indoctrinate new employees.

5. Have contractor’s superintendent or representative oversee and enforce proper spill prevention and control measures.

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General Measures

1. To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.

2. Store hazardous materials and waste in covered containers and protect from vandalism.

3. Place a stockpile of spill cleanup materials where it will be readily accessible.

4. Train employees in spill prevention and cleanup.

5. Designate responsible individuals to oversee and enforce control measures.

6. Spills should be covered and protected from stormwater runoff during rainfall to the extent that it doesn't compromise clean-up activities.

7. Do not bury or wash spills with water.

8. Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.

9. Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.

10. Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.

11. Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.

12. Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

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Cleanup

1. Clean up leaks and spills immediately.

2. Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.

3. Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

Minor Spills

1. Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.

2. Use absorbent materials on small spills rather than hosing down or burying the spill.

3. Absorbent materials should be promptly removed and disposed of properly.

4. Follow the practice below for a minor spill:

5. Contain the spread of the spill.

6. Recover spilled materials.

7. Clean the contaminated area and properly dispose of contaminated materials. 1-120

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Semi-Significant Spills

Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities. Spills should be cleaned up immediately:

1. Contain spread of the spill.

2. Notify the project foreman immediately.

3. If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.

4. If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.

5. If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

1. Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

2. For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.

3. Notification should first be made by telephone and followed up with a written report.

4. The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.

5. Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc. More information on spill rules and appropriate responses is available on the TCEQ website at: https://www.tceq.texas.gov/response/spills

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ATTACHMENT B

POTENTIAL SOURCES OF CONTAMINATION

All activities will be conducted in a manner to minimize the potential for impact to the environment. The following are potential sources of contamination on a site:

Potential Contamination Sources

1. Construction vehicles tracking mud onto the roadway.

2. Fueling of construction vehicles.

3. Short-term storage and use of fertilizers for use in establishing vegetation.

4. Possible littering around the construction site.

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ATTACHMENT C

SEQUENCE OF MAJOR ACTIVITIES

Sequence of Major Activities

1. Install temporary erosion controls (Silt Fence) (1420 ft)
2. Install temporary erosion controls (Mulch Sock) (465 ft)
3. Install temporary tree protection fencing (2160 ft)
4. Clearing and grubbing (1.38-acres)
5. Demo parking (0.56-acres)
6. Construct raingarden (0.15-acre)
7. Construct fire lane, parking spaces (0.45-acres)
8. Complete final grading (0.82-acres)
9. Remove temporary erosion controls (4040 ft)

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ATTACHMENT D
TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

Temporary Erosion and Sediment Control Best Management Practices (BMPs) shall be designed and placed in accordance with the City of Austin and TCEQ requirements. The temporary BMPs shall be installed prior to any site preparation work (clearing, grubbing, or excavation).

Silt Fence
Silt fences shall be installed immediately down gradient of areas of soil disturbance. See City of Austin Standard Detail on the Construction Plans for details on construction and installation.

Tree Protection
If applicable, tree protection shall be installed around trees to prevent tree damage and potential damage or disturbance of the tree's root zone. See the City of Austin Standard Detail on the Construction Plans for details on construction of and installation.

Dust Control
Dust control can prevent blowing and movement of dust from exposed soil surfaces, reduce on-site and off-site damage, and improve traffic safety. Dust control will be implemented at the site during all phases of construction.

Dust control during construction shall be done with mulch, irrigation, or an alternative method described in the City of Austin Environmental Protection section of the Austin Unified Development Code.

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Disturbed Area Minimization

An effective way to minimize potential impact from storm water runoff from construction sites is to minimize the area of soil disturbance. The site will be developed in such a manner as to limit the necessary construction to as small an area as practical, thereby reducing the amount of run-off generated by a storm event.

Stabilized Construction Entrance

Anti-tracking pads consisting of stone will be installed at the entrance as identified on the site plan to prevent the off-site transport of sediment by construction vehicles. Crushed stone will be placed over a layer of geotextile filter fabric to reduce the mitigation of sediment from the underlying soil. The stabilization entrance will be installed prior to construction beginning on the site. The stone will remain in place until the sub grade of pavement is installed at the site.

Filter Dike

Intercept and detain water-borne sediment from unprotected areas of limited extent. The frame of the triangular sediment filter dike should be constructed of 6” x 6”, 6 gauge welded wire mesh, 18 inches per side, and wrapped with geotextile fabric (the same composition as that used for silt fences). The filter material should lap over ends by six (6) inches to cover dike to dike junction; each junction should be secured by shoat rings.

Concrete Washout

A designated temporary, above-grade concrete washout area will be constructed. The temporary concrete washout area will be constructed with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. Concrete mixer trucks and chutes will be washed during or before an anticipated storm event in the designated area and any concrete waste will be properly disposed of off-site.

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ATTACHMENT E

REQUEST TO TEMPORARILY SEAL A FEATURE

[Not Applicable]

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ATTACHMENT F

STRUCTURAL PRACTICES

The area of the site where parking is proposed to be demolished will be graded to allow for storm runoff to adequately flow to the nearby parking Lot and eventually to the existing storm inlets. The new fire lane will be graded to allow for storm runoff to the new raingarden.

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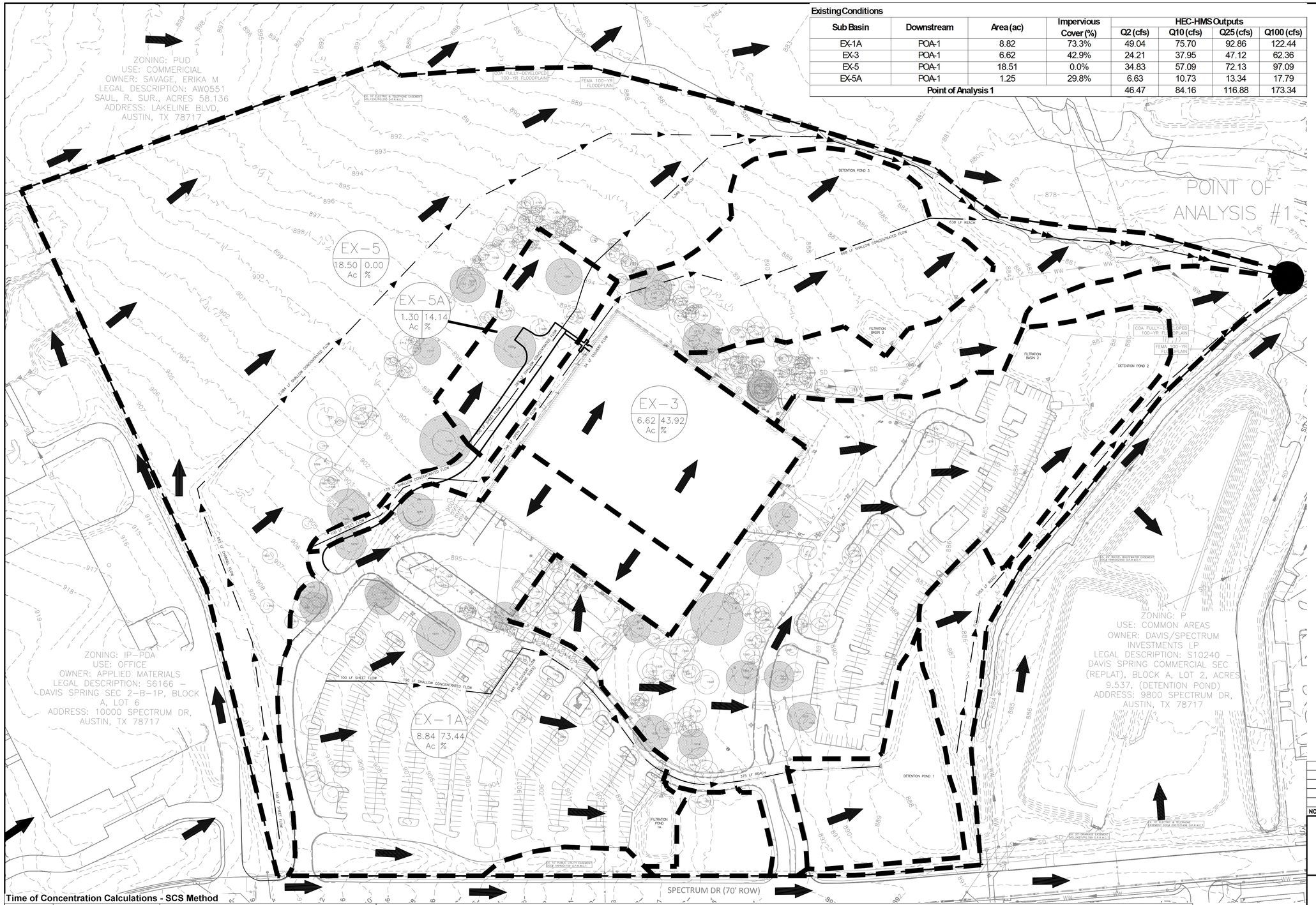
ATTACHMENT G

DRAINAGE AREA MAP



Existing Conditions

Sub Basin	Downstream	Area (ac)	Impervious Cover (%)	HEC-HMS Outputs Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
EX-1A	POA-1	8.82	73.3%	49.04	75.70	92.86	122.44
EX-3	POA-1	6.62	42.9%	24.21	37.95	47.12	62.36
EX-5	POA-1	18.51	0.0%	34.83	57.09	72.13	97.09
EX-5A	POA-1	1.25	29.8%	6.63	10.73	13.34	17.79
Point of Analysis 1				46.47	84.16	116.88	173.34

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- RETAINING / SCREENING WALL
- 512 — EXISTING CONTOUR LINE
- SD — SD — STORM DRAIN LINE
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN GRATE INLET
- DRAINAGE SWALE FLOW LINE
- DRAINAGE AREA
- A 0.00 | 00.0 % Ac — DRAINAGE AREA NAME AREA/IC %
- FLOW DIRECTION

Time of Concentration Calculations - SCS Method

DRAINAGE AREA	SHEET FLOW n	P-2yr24hr L (ft)	4.06 S (ft/ft)	(In) Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	Paved Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	CHANNEL FLOW Open Channel Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 2 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 3 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)
EX-1A	0.015	100	0.023	**1.31**	-	-	-	**0.00**	190	2.97	0.021	**1.06**	-	-	-	-	-	-	-	**0.00**	98	9.5	4.91	7.85	0.63	0.013	0.013	**0.17**	146	8.30	4.91	7.85	0.63	0.013	0.010	**0.29**	201	5.6	9.62	11.00	0.87	0.013	0.003	**0.60**
EX-3	0.016	100	0.020	**1.44**	-	-	-	**0.00**	173	2.65	0.017	**1.09**	346	0.64	8.50	22.00	0.39	0.150	0.015	**8.94**	24	3.1	0.79	3.14	0.25	0.012	0.004	**0.13**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**
EX-5	0.600	100	0.015	**29.51**	2736	1.90	0.014	**23.99**	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**
EX-5A	0.016	100	0.015	**1.64**	124	2.05	0.016	**1.01**	159	2.42	0.014	**1.09**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**

SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	CHANNEL FLOW Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	TOTAL Tc** (min)
-	-	-	**0.00**	375	2.46	10.00	9.00	1.11	0.013	0.000	**2.54**	1053	1.72	0.011	**10.20**	**16.18**
668	2.07	0.016	**5.38**	-	-	-	-	-	-	-	**0.00**	638	1.80	0.013	**5.89**	**22.87**
-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	**53.49**
1349	1.85	0.013	**12.16**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	**15.90**

NOTES:

1. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DETENTION AND FILTRATION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
2. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.

Texas 811

0' 40' 80' 160'
SCALE:1"=80'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD-CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION EXISTING DRAINAGE AREA MAP

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ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

KYLE W. MOORE 150732 LICENSED PROFESSIONAL ENGINEER 04/20/2026

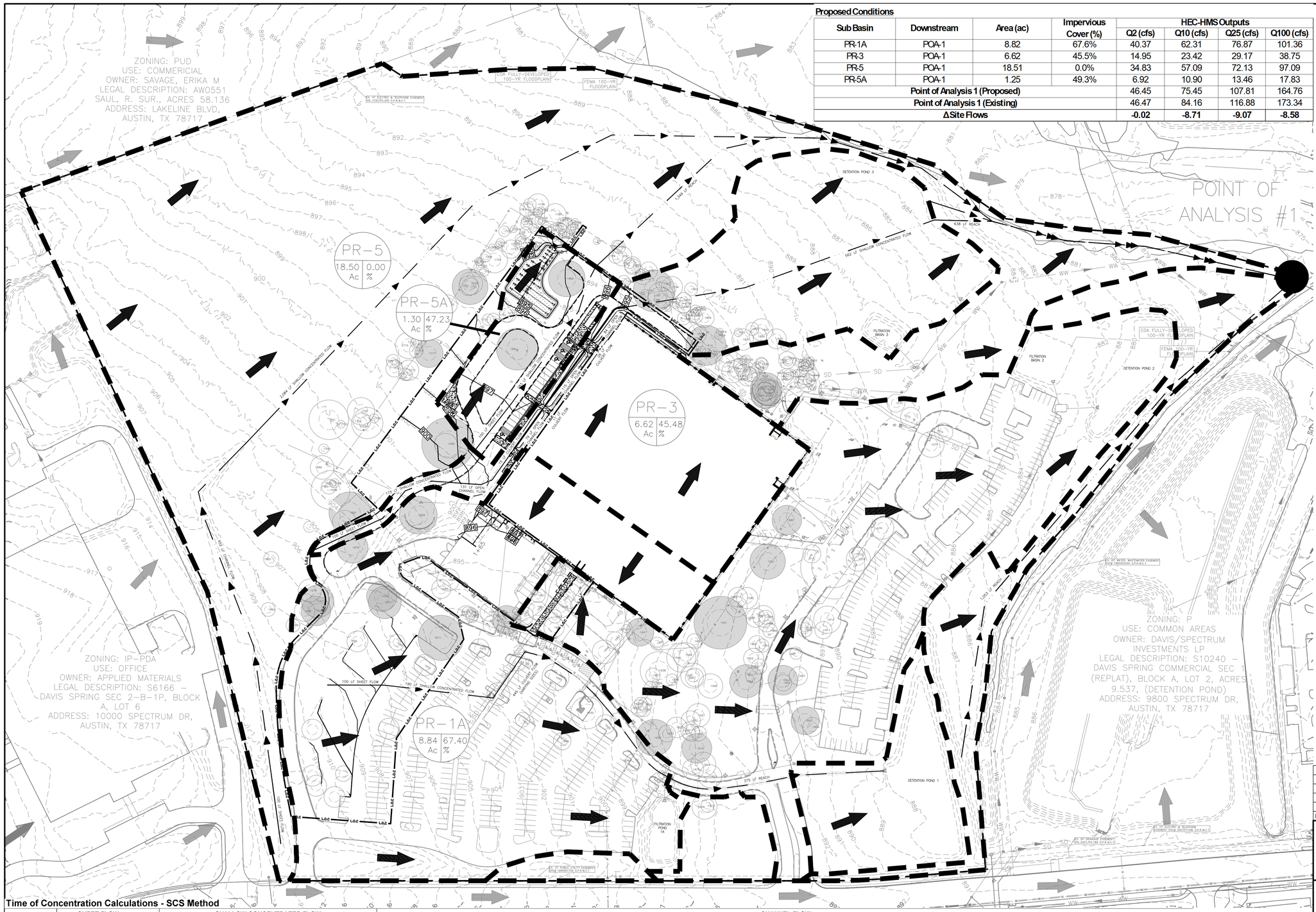
SHEET NO. 57 OF 64

RRISD - CTE CENTER RENOVATION - 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

Plot Date: April 20, 2026 @ 3:49 PM

P:\A845 RRISD CTE Center - Renovation\Civil\Construction Drawings\Sheets\Existing Drainage Area Map.dwg



Proposed Conditions

Sub Basin	Downstream	Area (ac)	Impervious Cover (%)	HEC-HMS Outputs Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
PR-1A	POA-1	8.82	67.6%	40.37	62.31	76.87	101.36
PR-3	POA-1	6.62	45.5%	14.95	23.42	29.17	38.75
PR-5	POA-1	18.51	0.0%	34.83	57.09	72.13	97.09
PR-5A	POA-1	1.25	49.3%	6.92	10.90	13.46	17.83
Point of Analysis 1 (Proposed)				46.45	75.45	107.81	164.76
Point of Analysis 1 (Existing)				46.47	84.16	116.88	173.34
ΔSite Flows				**-0.02**	**-8.71**	**-9.07**	**-8.58**

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- RETAINING / SCREENING WALL
- 512 EXISTING CONTOUR LINE
- SD STORM DRAIN LINE
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN GRATE INLET
- DRAINAGE SWALE FLOW LINE
- DRAINAGE AREA
- A 0.00 Ac | 00.0 % DRAINAGE AREA NAME AREA/IC %
- FLOW DIRECTION
- 512 PROPOSED CONTOUR LINE

NOTES:

1. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DETENTION AND FILTRATION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
2. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.

Texas 811

0' 40' 80' 160'
SCALE:1"=80'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD-CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION PROPOSED DRAINAGE AREA MAP

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ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS KYLE W. MOORE 150732 LICENSED PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 58 OF 64

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

Time of Concentration Calculations - SCS Method

DRAINAGE AREA	SHEET FLOW P-2yr24hr 4.06 (In) n	L (ft)	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	Paved Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	CHANNEL FLOW Open Channel Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Open Channel Flow 2 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 2 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)
PR-1A	0.150	100	0.023	**8.24**	-	-	-	**0.00**	190	2.97	0.021	**1.06**	-	-	-	-	-	-	-	**0.00**	98	9.46	4.91	7.85	0.63	0.013	0.013	**0.17**	-	-	-	-	-	-	-	**0.00**	146	8.30	4.91	7.85	0.63	0.013	0.010	**0.29**
PR-3	0.016	100	0.020	**1.44**	-	-	-	**0.00**	173	2.65	0.017	**1.09**	131	1.05	8.50	22.00	0.39	0.150	0.040	**2.08**	15	3.37	0.79	3.14	0.25	0.012	0.005	**0.07**	79	0.13	0.005	2.00	0.00	0.015	0.005	**10.11**	11	3.32	0.79	3.14	0.25	0.012	0.005	**0.06**
PR-5	0.600	100	0.015	**29.51**	2736	1.90	0.014	**23.99**	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**
																												0.00								**0.00**								**0.00**

DRAINAGE AREA	CHANNEL FLOW Open Channel Flow 3 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 3 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Open Channel Flow 4 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	CHANNEL FLOW Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	TOTAL Tc** (min)
PR-1A	-	-	-	-	-	-	-	**0.00**	201	5.58	9.62	11.00	0.87	0.013	0.003	**0.60**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	375	2.46	10.00	9.00	1.11	0.013	0.000	**2.54**	1053	1.72	0.011	**10.20**	**23.11**
PR-3	115	0.1	0.005	2.00	0.00	0.015	0.005	**14.75**	26	3.48	0.79	3.14	0.25	0.012	0.005	**0.12**	84	0.13	0.005	2.00	0.00	0.015	0.005	**10.82**	562	2.25	0.019	**4.16**	-	-	-	-	-	-	-	**0.00**	638	1.80	0.013	**5.89**	**50.61**
PR-5	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	**53.49**
	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	1349	1.91	0.014	**11.75**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	**16.89**

Plot Date: April 20, 2026 @ 3:57 PM

P:\A845 RRISD CTE Center - Renovation\Civil\Construction Drawings\Sheets\Proposed Drainage Area Map.dwg

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ATTACHMENT H

TEMPORARY SEDIMENT POND(S)
PLANS AND CALCULATIONS

[Not Applicable]

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ATTACHMENT I
INSPECTION AND MAINTENANCE FOR BMPS

BPM Inspection & Maintenance Schedule

1. Silt Fence	Inspect daily and after every rain event any repairs must be done within 24 hours of failure.
2. Mulch Sock	Inspect daily and after every rain event any repairs must be done within 24 hours of failure.
3. Filter Dike	Inspect daily and after every rain event any repairs must be done within 24 hours of failure.
4. Tree Protection	Inspect weekly.
5. Sediment Removal Mat	Inspect weekly and after every rain event any repairs must be done within 24 hours of failure.
6. Concrete Washout Area	Inspect weekly, after every rain event, and at the end of any day when concrete has been poured. Any overflowing of the washout facilities onto the ground must be cleaned up and removed within 24 hours of discovery. Break up hardened solids prior to removal and either reuse material on-site (as in the case for roadbeds) or haul away for recycling. Inspect structure for signs of weakening or damage after removal of materials and make any necessary repairs including re-lining with plastic that is free of holes or tears.

BMP Type	Inspection Frequency	Inspector Printed Name	Signature	Date	Comments
Silt Fence	Daily and after each rain event				
Temporary Inlet Protection	Daily and after each rain event				
Tree Protection	Weekly				
Stabilized Construction Entrance	Weekly and after each rain event				
Concrete Washout Area	Weekly, after rain events, and at the end of any day concrete is poured				

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ATTACHMENT J

SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

Schedule of Practices

Prior to site disturbance:	Install all temporary and permanent vegetation features.
After completion of construction:	Maintain all vegetative features.

Permanent Stormwater Section

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Ali Al-Zoubi

Date: 04/20/2026

Signature of Customer/Agent

Regulated Entity Name: Round Rock ISD Career & Technical Education (CTE) Center

Permanent Best Management Practices (BMPs)

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

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

   [ ] N/A

2. [X] 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: City of Austin Environmental Criteria Manual

☐ N/A

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

   ☐ N/A

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

   ☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.
   ☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.
   ☒ The site will not be used for low density single-family residential development.

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

   ☐ **Attachment A - 20% or Less Impervious Cover Waiver**. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.
   ☐ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
   ☒ The site will not be used for multi-family residential developments, schools, or small business sites.

6. ☐ **Attachment B - BMPs for Upgradient Stormwater**.

☐ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.

☐ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.

☒ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

7. ☒ **Attachment C - BMPs for On-site Stormwater**.

☒ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.

☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.

8. ☐ **Attachment D - BMPs for Surface Streams**. A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features, or the aquifer is attached. Each feature identified in the Geologic Assessment as sensitive has been addressed.

☒ N/A

9. ☒ The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.

☒ The permanent sealing of or diversion of flow from a naturally-occurring sensitive feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed.

☐ **Attachment E - Request to Seal Features**. A request to seal a naturally-occurring sensitive feature, that includes, for each feature, a justification as to why no reasonable and practicable alternative exists, is attached.

10. ☒ **Attachment F - Construction Plans**. All construction plans and design calculations for the proposed permanent BMP(s) and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. The plans are attached and, if applicable include:

☒ Design calculations (TSS removal calculations)

☒ TCEQ construction notes

☐ All geologic features

☒ All proposed structural BMP(s) plans and specifications

☐ N/A

11. ☐ **Attachment G - Inspection, Maintenance, Repair and Retrofit Plan**. A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:

    ☐ Prepared and certified by the engineer designing the permanent BMPs and measures
    ☐ Signed by the owner or responsible party
    ☐ Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
    ☐ A discussion of record keeping procedures

    ☒ N/A

12. ☐ **Attachment H - Pilot-Scale Field Testing Plan**. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.

    ☒ N/A

13. ☐ **Attachment I -Measures for Minimizing Surface Stream Contamination**. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that results in water quality degradation.

    ☒ N/A

Responsibility for Maintenance of Permanent BMP(s)

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

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

    ☐ N/A

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

    ☐ N/A

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ATTACHMENT B

BMPS FOR UPGRADIENT STORMWATER

Permanent Best Management Practices (BMPs) are not required to control pollution from surface water, groundwater, or stormwater that originates upgradient and flows across the site, as runoff from the western property is routed through a water quality pond before entering the site at the northwestern boundary and ultimately discharging to the creek; the volume of runoff entering the site is minimal.

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ATTACHMENT C

BMPS FOR ON-SITE STORMWATER

The permanent Best Management Practices (BMPs) implemented on-site to prevent pollution of surface water and groundwater include three existing filtration ponds, three detention ponds, and a proposed rain garden to treat runoff from the planned improvements. These BMPs function as collection points for stormwater across the site, ensuring that any contaminated runoff is captured and treated before leaving the property.

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ATTACHMENT F

Construction Plans

Attachment F includes:

- Design Calculations (TSS removal calculations)
- TCEQ notes
- All proposed structural BMP(s) plans and specifications have been included.

POND MAINTENANCE NOTES:
1. ALL EARTHEN EMBANKMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS.
2. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE NO STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL.
3. BIOFILTRATION MEDIUM SHALL COMPLY WITH ECM 1.6.7.C.4(A)
4. PLEASE REFER TO THE PREVIOUS SHEET FOR ADDITIONAL POND MAINTENANCE AND BIOFILTRATION MEDIA NOTES

BIOFILTRATION MEDIUM ECM 1.6.7.C.4(A) NOTES:

IN ORDER TO PROVIDE ACCEPTABLE DRAINAGE AND PLANT GROWTH CHARACTERISTICS, THE BIOFILTRATION MEDIUM SHALL MEET THE FOLLOWING PERFORMANCE CRITERIA:

PERCENT ORGANIC MATTER (BY WEIGHT) OF 0.5--5.0%

TEXTURE ANALYSIS (PARTICLE SIZE DISTRIBUTION):

PERCENT SAND 70--90%

PERCENT CLAY 3--10%

PERCENT SILT PLUS CLAY ≤27%

THERE IS ONGOING RESEARCH ON THE MOST APPROPRIATE SOURCES OF ORGANIC MATTER TO INCORPORATE INTO THE MEDIA.

SUPPLIERS OF BIOFILTRATION MEDIA MUST HAVE LABORATORY TESTING CONDUCTED AT A MINIMUM OF SIX MONTH INTERVALS TO VERIFY PERCENT ORGANIC MATTER AND TEXTURE ANALYSIS. THE MEDIUM MUST NOT CONTAIN ANY CONTAMINATED SOILS AND BE FREE OF ANY HOUSEHOLD OR HAZARDOUS WASTE. IT MUST BE FREE OF STONES, TRASH, AND OTHER UNDESIRABLE MATERIAL, AND SHOULD NOT CONTAIN WEEDS OR WEED SEEDS. A SATURATED HYDRAULIC CONDUCTIVITY OF K≥2.0 IN/HR CAN BE PRESUMED IF THE ORGANIC MATTER AND TEXTURE ANALYSIS CRITERIA ARE MET.

THE HYDRAULIC CONDUCTIVITY NEEDS TO BE HIGH ENOUGH TO PROVIDE ADEQUATE DRAINAGE, SUPPORT HEALTHY PLANT GROWTH, AND PREVENT NUISANCE CONDITIONS.

THE CRITERIA IS INTENDED TO MEET THE NRCS DEFINITION OF SOILS WITH 'MODERATE' TO 'HIGH' AVAILABLE WATER CAPACITY. THE CRITERIA SHOULD ENSURE THAT THE MEDIUM HAS SUFFICIENT WATER HOLDING CAPACITY TO SUPPORT VIGOROUS PLANT GROWTH, ENHANCING THE ABILITY FOR PLANTS TO SURVIVE DURING DRY PERIODS. IT SHOULD ALSO SUSTAIN A HEALTHY MICROORGANISM POPULATION WHICH, IN CONCERT WITH THE PLANTS, SHOULD ENHANCE BIOLOGICAL REMOVAL OF POLLUTANTS IN STORMWATER.

THE PERCENT ORGANIC MATTER CRITERION IS NEEDED TO ENSURE HEALTHY VEGETATION. MOST NATIVE SOILS IN THE AUSTIN AREA HAVE LESS THAN 4% ORGANIC MATTER, AND NATIVE PLANTS IN THE AREA HAVE ADAPTED TO SURVIVING IN THESE TYPES OF SOILS. A HIGHER ORGANIC MATTER CONTENT IS NOT DESIRABLE AS NUTRIENTS MAY BE EXPORTED FROM THE MEDIUM, WHICH IS COUNTER TO THE REMOVAL THAT IS INTENDED IN THIS TYPE OF DEVICE. IMMATURE COMPOST, MANURE, COMPOST DERIVED FROM ANIMAL OR HUMAN SOURCES, AND UNSTABLE FORMS OF ORGANIC MATTER THAT MAY EXPORT NUTRIENTS SHOULD NOT BE INCLUDED IN THE BIOFILTRATION MEDIUM. RECOMMENDED SOURCES OF ORGANIC MATTER INCLUDE THAT FOUND NATURALLY IN NATIVE TOPSOIL, HUMUS, COCONUT COIR FIBER, AND MATURE PLANT-DERIVED COMPOSTS WITH AN ESTABLISHED FUNGAL COMPONENT. THE BIOFILTRATION MEDIUM MUST BE CERTIFIED BY THE PROJECT ENGINEER OR THEIR DESIGNEE (E.G. CONTRACTOR, SOIL SUPPLIER, OR APPROPRIATE QUALIFIED ALTERNATIVE INDIVIDUAL) AS MEETING THE ABOVE PERFORMANCE CRITERIA (BASED ON SUBMITTAL OF DELIVERY TICKETS, TEST RESULTS, ETC.) BEFORE ACCEPTANCE BY THE CITY.

1. CREATING BIOFILTRATION MIXTURE - SEE STANDARD SPECIFICATION 660S, BIOFILTRATION MEDIUM

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

Edwards Aquifer Protection Program Construction Notes – Legal Disclaimer

The following/listed "construction notes" are intended to be advisory in nature only and do not constitute an approval or conditional approval by the Executive Director (ED), nor do they constitute a comprehensive listing of rules or conditions to be followed during construction. Further actions may be required to achieve compliance with TCEQ regulations found in Title 30, Texas Administrative Code (TAC), Chapters 213 and 217, as well as local ordinances and regulations providing for the protection of water quality. Additionally, nothing contained in the following/listed "construction notes" restricts the powers of the ED, the commission or any other governmental entity to prevent, correct, or curtail activities that result or may result in pollution of the Edwards Aquifer or hydrologically connected surface waters. The holder of any Edwards Aquifer Protection Plan containing "construction notes" is still responsible for compliance with Title 30, TAC, Chapters 213 or any other applicable TCEQ regulation, as well as all conditions of an Edwards Aquifer Protection Plan through all phases of plan implementation. Failure to comply with any condition of the ED's approval, whether or not in contradiction of any "construction notes," is a violation of TCEQ regulations and any violation is subject to administrative rules, orders, and penalties as provided under Title 30, TAC § 213.10 (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. The following/listed "construction notes" in no way represent an approved exception by the ED to any part of Title 30 TAC, Chapters 213 and 217, or any other TCEQ applicable regulation

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

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

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

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: Round Rock ISD Career & Technical
Date Prepared: 4/20/2026

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:
$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = 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 * =	48.79	acres
Predevelopment impervious area within the limits of the plan* =	9.58	acres
Total post-development impervious area within the limits of the plan* =	9.58	acres
Total post-development impervious cover fraction * =	0.20	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	0	lbs.

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

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

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

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	1.30	acres
Predevelopment impervious area within drainage basin/outfall area =	0.18	acres
Post-development impervious area within drainage basin/outfall area =	0.61	acres
Post-development impervious fraction within drainage basin/outfall area =	0.47	
$L_{M\ THIS\ BASIN}$ =	374	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter
Removal efficiency = 89 percent

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

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

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A_N x 34.6 + A_P x 0.54)

where:
A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	1.30	acres
A_I =	0.61	acres
A_P =	0.69	acres
L_R =	612	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = 374 lbs.

F = 0.61

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 =	0.60	inches
Post Development Runoff Coefficient =	0.34	
On-site Water Quality Volume =	963	cubic feet

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

Off-site area draining to BMP =	0.00	acres
Off-site Impervious cover draining to BMP =	0.00	acres
Impervious fraction of off-site area =	0	
Off-site Runoff Coefficient =	0.00	
Off-site Water Quality Volume =	0	cubic feet
Storage for Sediment =	193	
Total Capture Volume (required water quality volume(s) x 1.20) =	1155	cubic feet

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

7. Retention/Irrigation System Designed as Required in RG-348 Pages 3-42 to 3-46

Required Water Quality Volume for retention basin = NA cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate =	0.1	in/hr	Enter determined permeability rate or assumed value of 0.1
Irrigation area =	NA	square feet	
	NA	acres	

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

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

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	1155	cubic feet	
Minimum filter basin area =	53	square feet	
Maximum sedimentation basin area =	481	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	120	square feet	For maximum water depth of 8 feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	1155	cubic feet	
Minimum filter basin area =	96	square feet	
Maximum sedimentation basin area =	385	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	24	square feet	For maximum water depth of 8 feet

10. Bioretention System Designed as Required in RG-348 Pages 3-63 to 3-65

Required Water Quality Volume for Bioretention Basin = NA cubic feet

11. Wet Basins Designed as Required in RG-348 Pages 3-66 to 3-71

Required capacity of Permanent Pool =	NA	cubic feet	Permanent Pool Capacity is 1.20 times the WQV
Required capacity at WQV Elevation =	NA	cubic feet	Total Capacity should be the Permanent Pool Capacity plus a second WQV.

12. Constructed Wetlands Designed as Required in RG-348 Pages 3-71 to 3-73

Plot Date: April 20, 2026 @ 5:26 PM

P:\A845 RRISD CTE Center - Renovation\Civil\Construction Drawings\Sheets\Rain Garden & TCEQ Notes & Calcs.dwg

RRISD - CTE CENTER RENOVATION - 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD-CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

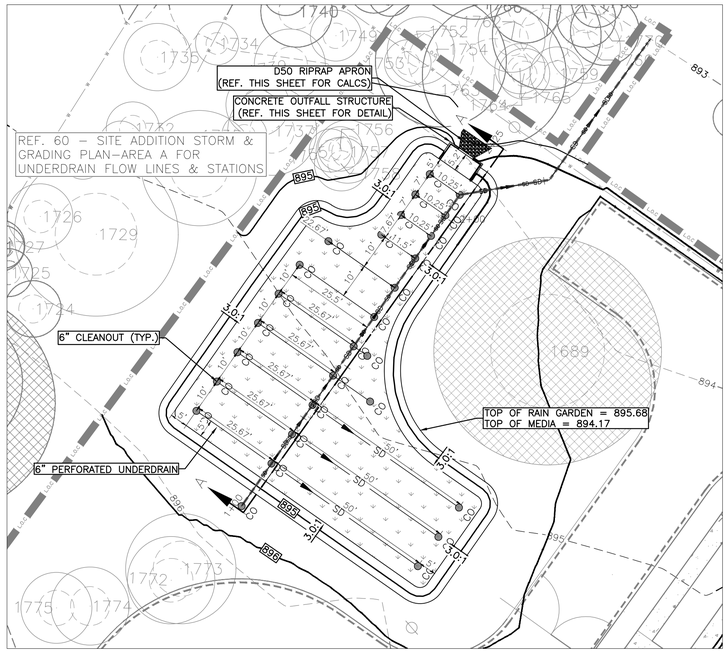
SITE ADDITION RAIN GARDEN TCEQ NOTES & CALCULATIONS

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

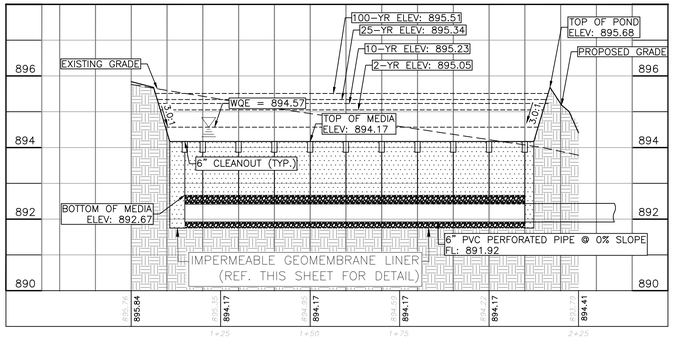
STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 64 OF 65



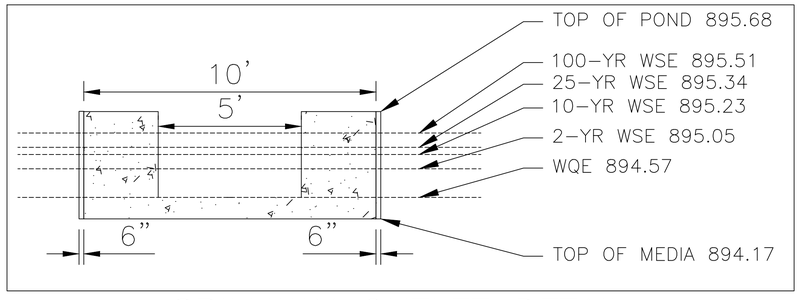
RAIN GARDEN PLAN

SCALE:1"=20'



RAIN GARDEN – SECTION A–A

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'



SPILLWAY OUTLET DETAIL
NTS

APPENDIX R - 11
RAIN GARDEN CALCULATIONS - FULL FILTRATION
FOR DEVELOPMENT PERMITS

DRAINAGE AREA DATA:

Drainage Area to Control (DA - Maximum 2.0 ac)	1.30 ac.
Drainage Area Perecent Impervious Cover	47.23 %
Capture Depth (CD)	0.77 in.
25 Year Peak Flow Rate to Control (Q25)	13.46 cfs.
100 Year Peak Flow Rate to Control (Q100)	17.83 cfs.

WATER QUALITY CONTROL CALCULATIONS:

	Required		Provided
Water Quality Volume (WQV=CD*DA*3630)	3,644.48	cf.	3,721.34 cf.
Filtration Pond Area [Af≥WQV/(D+0.24*L)]	4,795.37	sf.	4,896.50 sf.
Depth of Ponding (D)	Maximum 1.00	ft.	0.40 ft.
Depth of Filtration Media (L)	Minimum 1.50	ft.	1.50 ft.
Effective Porosity Water Quality Volume (WQVeff = 0.24*Af*L)			1,762.74 cf.
Ponded Water Quality Volume (WQV_{ponded} = Af*D)			1,958.60 cf.
Total Water Quality Volume (WQVponded+WQVeff)			3,721.34 cf.
Water Quality Elevation (WQE)			894.57 ft. MSL
Elevation of Splitter/Overflow Weir (Minimum WQE)			n/a ft. MSL
Length of Splitter Weir			n/a ft.
Required Head to Pass Q100	Maximum 0.50	ft.	n/a ft.
Pond Freeboard Provided to Pass Q100	Minimum 0.25	ft.	n/a ft.
Top of Pond			895.68 ft.

FOR FILTRATION RAIN GARDENS:

Rain Garden Pond Drawdown Time	Minimum 48	hr.	48.00 hr.
Underdrain Orifice Size (Diameter)			0.25 in.
Underdrain Orifice Size (Area)			0.05 sq. in.

Water Quality Stage Storage Table

Elevation	Area		Total Volume		
(ft)	(sf)	(ac)	(cf)	(ac-ft)	
894.17	4,896.50	0.1124	0	0	
894.57	5,319.27	0.1221	2043.2	0.0469	WQV
895.17	5,969.60	0.1370	5429.8	0.1247	
895.57	6415	0.1473	7906.7	0.1815	
895.68	6539	0.1501	8619.1	0.1979	Top of Pond

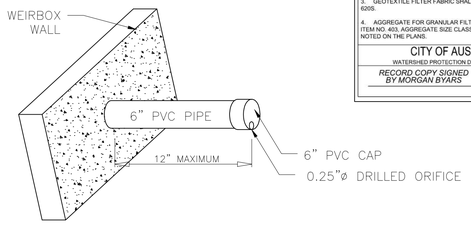
DRAWDOWN CALCULATION

Surface Area	4,896.50
Orifice Coefficient	0.6
H_1 (ft)	894.57
H_2 (ft)	891.92
t(hr)	48.00
A_v (sf)	0.00052
Orifice Diameter (in.)	0.31

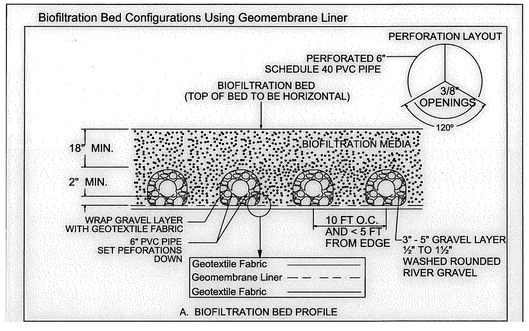
Rip Rap Sizing Calculations

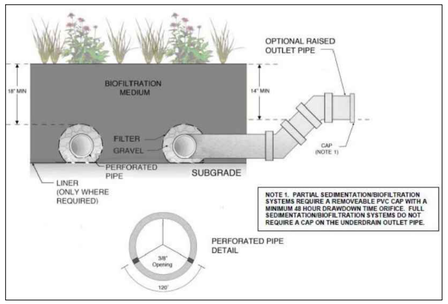
Velocity (fps)	D_{50} (in)	Rip Rap Class by Median Rock Diameter (D_{50})
2.70	1.0	Class I
Provided	6.0	Class I

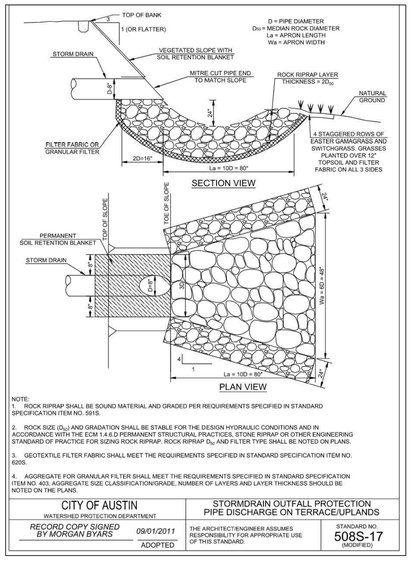
V = Avg. velocity (fps)
$D_{50} = 0.0105V^{2.06}$
D_{50} = Median rock diameter (ft)
Based on City of Austin ECM 1.4.6



PVC OUTLET CAP W/ ORIFICE
(NOT TO SCALE)







NOTE:
1. ROCK RIPRAP SHALL BE SOUND MATERIAL AND GRADED PER REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 591S.
2. ROCK SIZE (D_{50}) AND GRADATION SHALL BE STABLE FOR THE DESIGN HYDRAULIC CONDITIONS AND IN ACCORDANCE WITH THE ECM 1.4.6.D PERMANENT STRUCTURAL PRACTICES, STONE RIPRAP OR OTHER ENGINEERING STANDARD OF PRACTICE FOR SIZING ROCK RIPRAP. ROCK RIPRAP D_{50} AND FILTER TYPE SHALL BE NOTED ON PLANS.
3. GEOTEXTILE FILTER FABRIC SHALL MEET THE REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 620S.
4. AGGREGATE FOR GRANULAR FILTER SHALL MEET THE REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 403. AGGREGATE SIZE CLASSIFICATION/GRADE, NUMBER OF LAYERS AND LAYER THICKNESS SHOULD BE NOTED ON THE PLANS.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STORMDRAIN OUTFALL PROTECTION PIPE DISCHARGE ON TERRACE/UPLANDS	
RECORD COPY SIGNED BY MORGAN BYARS 09/01/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 508S-17 (MODIFIED)

LEGEND

	BOUNDARY / RIGHT OF WAY
	EASEMENT / SETBACK
	CURB / EDGE OF PAVEMENT
	RETAINING / SCREENING WALL
	PROPOSED BUILDING PAD AREA
512	EXISTING CONTOUR LINE
512	PROPOSED CONTOUR LINE
SD	STORM DRAIN LINE
W	WATER LINE
WW	WASTEWATER LINE
OH	OVERHEAD ELECTRIC
GAS	GAS LINE
D	STORM DRAIN MANHOLE
	STORM DRAIN CURB INLET
	STORM DRAIN GRATE INLET
	WATER METER
	WATER VALVE
	FIRE HYDRANT
WW	WASTEWATER MANHOLE
CO	WASTEWATER CLEANOUT
BFP	BACKFLOW PREVENTER
T	TRANSFORMER
AC	AIR CONDITIONER UNIT
	UTILITY POLE
	GUY WIRE
	DRAINAGE SWALE FLOW LINE
EG=XXX.00	EXISTING GRADE
XXX.00	PROPOSED FINISHED GRADE
TC	TOP OF CURB ELEVATION
G	GUTTER ELEVATION
ZC	ZERO CURB
FL	FLOW LINE ELEVATION
HP	HIGH POINT ELEVATION
LP	LOW POINT ELEVATION
ME	MATCH EXISTING ELEVATION
PE	PAD ELEVATION
FFE	FINISHED FLOOR ELEVATION
TW	TOP OF WALL ELEVATION
BW	FINISHED GRADE AT WALL
RIM	TOP OF GRATE INLET
ST	SAW TOOTH CURB

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION RAIN GARDEN PLAN & DETAILS

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 63 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP–94–0047C(R1).CC

Plot Date: April 20, 2026 @ 5:38 PM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Rain Garden Plan.dwg

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

I Dennis Covington,
Print Name

CFO/COO,
Title - Owner/President/Other

of RRISD,
Corporation/Partnership/Entity Name

have authorized Ali Al-Zoubi, EIT; Kyle Moore, PE Amy Nunnellee, EIT
Print Name of Agent/Engineer

of Civilitude LLC
Print Name of Firm

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

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to $10,000 per day per violation.

2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.

4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.

5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Applicant's Signature

2-9-2026
Date

THE STATE OF Texas §

County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Dennis D. Crowley 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 9th day of February, 2026

NOTARY PUBLIC

PATTY AGUILERA
Notary ID #132093045
My Commission Expires
July 19, 2027

Patty Aguilera
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 7/19/2027

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Round Rock ISD Career & Technical Education (CTE) Center
Regulated Entity Location: 9900 Spectrum Rd., Austin, Texas 78717
Name of Customer: Round Rock ISD
Contact Person: Dennis Covington Phone: (512) 943-5000
Customer Reference Number (if issued):CN 600355358
Regulated Entity Reference Number (if issued):RN 100580794

Austin Regional Office (3373)

☐ Hays ☐ Travis ☑ Williamson

San Antonio Regional Office (3362)

☐ Bexar ☐ Medina ☐ Uvalde
☐ Comal ☐ Kinney

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment**. This payment is being submitted to:

☑ Austin Regional Office
☐ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☑ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	$
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	1 Each	$ 500
Extension of Time	Each	$

Signature: _____ Date: 04/20/2026

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 5 < 10 10 < 40 40 < 100 100 < 500 ≥ 500	$1,500 $3,000 $4,000 $6,500 $8,000 $10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1 1 < 5 5 < 10 10 < 40 40 < 100 ≥ 100	$3,000 $4,000 $5,000 $6,500 $8,000 $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 Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600355358		**RN 100580794**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	10/20/2025

☐ New Customer ☐ Update to Customer Information ☒ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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:*
Round Rock Independent School District	ZIMMER AUSTIN INC

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
	17460020187		

11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☒ Local ☐ State ☐ Other		☐ Sole Proprietorship	☐ Other:

12. Number of Employees	**13. Independently Owned and Operated?**
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher	☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address:	1311 Round Rock Ave						
	City	Round Rock	**State**	TX	**ZIP**	78681	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512) 464-5000		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☒ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Round Rock ISD Career & Technical Education (CTE) Center

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	9900 Spectrum Dr.							
	City	Austin	**State**	TX	**ZIP**	78717	**ZIP + 4**	
24. County	Williamson							

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

25. Description to Physical Location:	WCAD Parcel ID #: R337820

26. Nearest City	State	Nearest ZIP Code

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	30.482810558362917		28. Longitude (W) In Decimal:	-97.77579284773522	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	28	58.04	97	46	32.66

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
8211		611110	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Office

34. Mailing Address:	**1311 Round Rock Ave**							
	City	**Round Rock**	**State**	**TX**	**ZIP**	**78681**	**ZIP + 4**	
35. E-Mail Address:								

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(512) 464-5000		( ) -

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
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Ali Al-Zoubi, EIT	**41. Title:**	Graduate Civil Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512 **)** 761-6161		**( )** -	Ali@civilitude.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:	Civilitude	**Job Title:**	Graduate Civil Engineer
Name *(In Print):*	Ali Al-Zoubi, EIT	**Phone:**	**(** 512 **)** 761- **6161**
Signature:		**Date:**	4/20/2026

CONSOLIDATED SITE PLAN FOR ROUND ROCK ISD CAREER & TECHNICAL EDUCATION CENTER
9900 SPECTRUM DR., AUSTIN, TX 78717

SUBMITTAL DATE: 01/16/2026

GENERAL PLAN NOTES

1. WATERSHED STATUS: THIS PROJECT IS LOCATED IN THE LAKE CREEK WATERSHED (SUBURBAN) AND DOES LIE WITHIN THE EDWARDS AQUIFER RECHARGE ZONE.
2. SITE IS ZONED AS IP-PDA.
3. THERE ARE NO NATURAL SLOPES ON THIS SITE IN EXCESS OF 15%.
4. THERE ARE NO KNOWN CRITICAL ENVIRONMENTAL FEATURES ON SITE.

SITE PLAN RELEASE NOTES

1. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED SITE PLAN. ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE SITE PLAN AMENDMENT AND APPROVAL OF THE DEVELOPMENT SERVICES DEPARTMENT.
2. APPROVAL OF THIS SITE PLAN DOES NOT INCLUDE BUILDING AND FIRE CODE APPROVAL NOR BUILDING PERMIT APPROVAL.
3. ALL SIGNS MUST COMPLY WITH REQUIREMENTS OF THE LAND DEVELOPMENT CODE (CHAPTER 25-10).
4. WATER AND WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN.
5. ALL EXISTING STRUCTURES SHOWN TO BE REMOVED WILL REQUIRE A DEMOLITION PERMIT FROM THE CITY OF AUSTIN DEVELOPMENT SERVICES DEPARTMENT.
6. FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY, A ROW EXCAVATION PERMIT IS REQUIRED.
7. IF AT ANY TIME DURING CONSTRUCTION OF THIS PROJECT AN UNDERGROUND STORAGE TANK (UST) IS FOUND, CONSTRUCTION IN THAT AREA MUST STOP UNTIL A CITY OF AUSTIN UST CONSTRUCTION PERMIT IS APPLIED FOR AND APPROVED. ANY UST REMOVAL WORK MUST BE CONDUCTED BY A UST CONTRACTOR THAT IS REGISTERED WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). CONTACT ELIZABETH SIMMONS AT ELIZABETH.SIMMONS@AUSTINTEXAS.GOV IF YOU HAVE ANY QUESTIONS. [COA TITLE 6]
8. FOR INTEGRATED PEST MANAGEMENT PLAN, SEE AGREEMENT FILED IN DOCUMENT NO. _____, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS.

TRAFFIC CONTROL NOTES

THIS NOTE IS BEING PLACED ON THE PLAN SET IN PLACE OF A TEMPORARY TRAFFIC CONTROL STRATEGY WITH THE FULL UNDERSTANDING THAT, AT A MINIMUM OF 6 WEEKS PRIOR TO THE START OF CONSTRUCTION, A TEMPORARY TRAFFIC CONTROL PLAN MUST BE REVIEWED AND APPROVED BY THE RIGHT OF WAY MANAGEMENT DIVISION. THE OWNER/ REPRESENTATIVE FURTHER RECOGNIZES THAT A REVIEW FEE, AS PRESCRIBED BY THE MOST CURRENT VERSION OF THE CITY'S FEE ORDINANCE, SHALL BE PAID EACH TIME A PLAN OR PLAN REVISION IS SUBMITTED TO RIGHT OF WAY MANAGEMENT DIVISION FOR REVIEW.

THE FOLLOWING MUST BE TAKEN INTO CONSIDERATION WHEN DEVELOPING FUTURE TRAFFIC CONTROL STRATEGIES:

- PEDESTRIAN AND BICYCLE TRAFFIC ACCESS MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE AUTHORIZED BY RIGHT OF WAY MANAGEMENT.
- NO LONG-TERM LANE CLOSURES WILL BE AUTHORIZED, UNLESS RIGHT OF WAY MANAGEMENT DETERMINES THAT ADEQUATE ACCOMMODATIONS HAVE BEEN MADE TO MINIMIZE TRAFFIC IMPACT.
- PROJECT SHOULD BE PHASED SO THAT UTILITY INSTALLATION MINIMALLY IMPACTS EXISTING OR TEMPORARY PEDESTRIAN FACILITIES.

R1

DESIGN TEAM

CIVIL ENGINEER
KYLE MOORE, PE
CIVILITUDE LLC
503 KENNISTON DR.,
AUSTIN, TX 78752
(512) 761-6161

ARCHITECT
ERIN ORTWEIN, AIA
CORGAN ARCHITECTURE
401 S 1ST ST. SUITE 650, AUSTIN, TX 78704
(512) 640-6000

OWNER

ROUND ROCK INDEPENDENT SCHOOL DISTRICT
1311 ROUND ROCK AVE, ROUND ROCK, TX 78681
(512) 464-5000

LEGAL DESCRIPTION

S6175 - DAVIS SPRING SEC 2-A-1P (AMENDED), BLOCK A, LOT 5, ACRES 48.79

RELATED CASES

SP-94-0047C
2026-039215 ZC

ZONING

IP-PDA

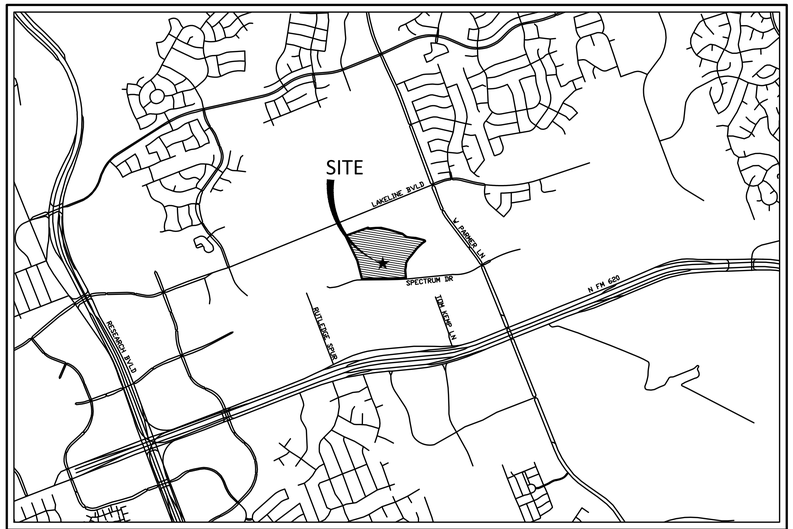
FLOOD STATEMENT

MAP NUMBER 48491C0610F, DATED 12/20/2019

BENCH MARK:

TBM #1: 100 5/8 INCH IRON ROD WITH CAP "DUNAWAY ASSOCIATES"
LOCATED APPROXIMATELY 225' SOUTH OF THE SITE 2 STORY LIMESTONE BRICK BUILDING
ELEVATION = 893.69'

R1



0' 500' 1000' 2000'
SCALE: 2000'

LOCATION MAP

GRID: MG40
MAPSCO: 404T, 404P

SHEET INDEX

Sheet Number	Sheet Title
	SHEET INDEX CON'T
44	FINAL PLAT
45	SITE ADDITION GENERAL NOTES
46	SITE ADDITION AW GENERAL INFO & CONSTRUCTION NOTES (1 OF 2)
47	SITE ADDITION AW GENERAL INFO & CONSTRUCTION NOTES (2 OF 2)
48	SITE ADDITION EXISTING CONDITIONS & DEMOLITION PLAN
49	SITE ADDITION EROSION CONTROL & TREE PROTECTION PLAN
50	SITE ADDITION SLOPE MAP
51	SITE ADDITION TREE LIST
52	SITE ADDITION OVERALL SITE PLAN
53	SITE ADDITION ENLARGED SITE & DIMENSION CONTROL PLAN–AREA A
54	SITE ADDITION ENLARGED SITE & DIMENSION CONTROL PLAN–AREA B
55	SITE ADDITION ENLARGED SITE & DIMENSION CONTROL PLAN–AREA C
56	SITE ADDITION PAVING, STRIPING, & SIGNAGE PLAN
57	SITE ADDITION EXISTING DRAINAGE AREA MAP
58	SITE ADDITION PROPOSED DRAINAGE AREA MAP
59	SITE ADDITION STORM & GRADING PLAN–AREA A
60	SITE ADDITION STORM & GRADING PLAN–AREA B
61	SITE ADDITION STORM & GRADING PLAN–AREA C
62	SITE ADDITION RAIN GARDEN PLAN & DETAILS
63	SITE ADDITION RAIN GARDEN TCEQ NOTES
64	SITE ADDITION CONSTRUCTION DETAILS

R1

RECOMMENDED FOR APPROVAL

DEVELOPMENT PERMIT NUMBER _____ SUBMITTAL DATE

DIRECTOR OF DEVELOPMENT SERVICE DEPARTMENT _____ DATE

INDUSTRIAL WASTE _____ DATE

AUSTIN WATER _____ DATE

CITY OF AUSTIN FIRE DEPARTMENT _____ DATE

CITY OF AUSTIN REVISIONS/CORRECTIONS TABLE

Kyle Moore, PE #150732

CORRECTION/ REVISION NUMBER	DESCRIPTION	REVISE (R) REPLACEMENT (RP) ADD (A) VOID (V) SHEET #'S	TOTAL # SHEETS IN PLAN SET	NET CHANGE IN IMPERV. COVER (SF)	TOTAL SITE IMPERV. COVER (SF AND %)	CITY OF AUSTIN SIGNATURE	CITY OF AUSTIN APPROVAL DATE

SUBMITTED BY

FOR R1 ONLY
STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED PROFESSIONAL ENGINEER
04/20/2026

R1

DATE

CIVILITUDE
ENGINEERS & PLANNERS
FIRM REG# F-12469 503 Kenniston Dr, AUSTIN, TX 78752
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

AUSTIN FIRE DEPARTMENT	
DESIGN STANDARDS	2021 INTERNATIONAL FIRE CODE WITH CITY OF AUSTIN LOCAL AMENDMENTS
FIRE FLOW DEMAND @ 20 PSI	6,750 GPM
INTENDED USE	OFFICE
CONSTRUCTION CLASIFICATION	II-B
BUILDING FIRE AREA	209,302 SF
AUTOMATIC FIRE SPRINKLER SYSTEM	YES
REDUCED FIRE FLOW DEMAND @ 20 PSI	1,688 GPM
FIRE HYDRANT FIRE FLOW TEST DAY	TBD
FIRE HYDRANT FLOW TEST LOCATION	TBD
HIGH-RISE (YES OR NO)	NO
ALTERNATIVE METHOD OF COMPLIANCE	N/A

R1

APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.

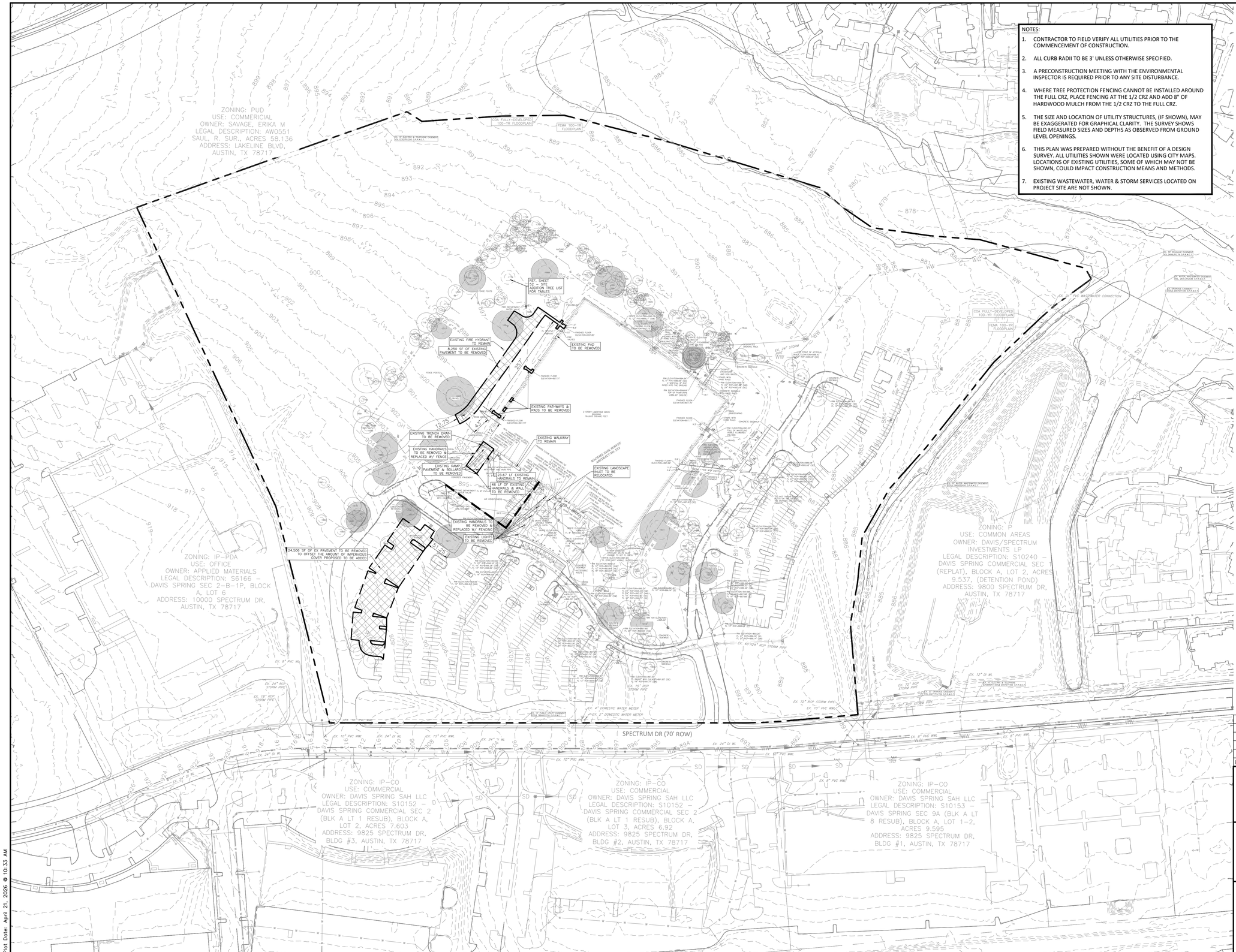
SITE PLAN APPROVAL
CASE NUMBER **SP-2026-XXXXC** APPLICATION DATE: **01/16/2026**
APPROVED ON _____ ☒ ADMINISTRATIVELY ☒ BY COMMISSION
UNDER SECTION 112 142 OF CHAPTER 25-5 OF THE CITY OF AUSTIN CODE
EXPIRATION DATE (LDC 25-5-81) _____ CASE MANAGER _____
_____
DEVELOPMENT SERVICES DEPARTMENT
RELEASED FOR GENERAL COMPLIANCE _____ ZONING **IP-PDA**

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:31 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Cover Sheet.dwg



NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. ALL CURB RADII TO BE 3' UNLESS OTHERWISE SPECIFIED.
3. A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
4. WHERE TREE PROTECTION FENCING CANNOT BE INSTALLED AROUND THE FULL CRZ, PLACE FENCING AT THE 1/2 CRZ AND ADD 8" OF HARDWOOD MULCH FROM THE 1/2 CRZ TO THE FULL CRZ.
5. THE SIZE AND LOCATION OF UTILITY STRUCTURES, (IF SHOWN), MAY BE EXAGGERATED FOR GRAPHICAL CLARITY. THE SURVEY SHOWS FIELD MEASURED SIZES AND DEPTHS AS OBSERVED FROM GROUND LEVEL OPENINGS.
6. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A DESIGN SURVEY. ALL UTILITIES SHOWN WERE LOCATED USING CITY MAPS. LOCATIONS OF EXISTING UTILITIES, SOME OF WHICH MAY NOT BE SHOWN, COULD IMPACT CONSTRUCTION MEANS AND METHODS.
7. EXISTING WASTEWATER, WATER & STORM SERVICES LOCATED ON PROJECT SITE ARE NOT SHOWN.

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- 512 EXISTING CONTOUR LINE
- CURB / EDGE OF PAVEMENT
- EXISTING BUILDING
- SD — SD STORM DRAIN LINE
- W WATER LINE
- WW — WW WASTEWATER LINE
- OH OVERHEAD ELECTRIC
- GAS GAS LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WW WASTEWATER MANHOLE
- CO WASTEWATER CLEANOUT
- BFP BACKFLOW PREVENTER
- D STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- T TRANSFORMER
- AC AIR CONDITIONER UNIT
- GAS METER
- EM ELECTRIC MANHOLE
- E ELECTRIC BOX
- UTILITY POLE
- GUY WIRE
- SIGN
- SURVEY ROD/NAIL
- BENCHMARK
- TAG# TREE W/ TAG
- TAG# TREE - REMOVE
- TAG# HERITAGE TREE
- DEMOLITION AREA

Texas 811

0' 50' 100' 200'
SCALE:1"=100'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD – CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION EXISTING CONDITIONS & DEMOLITION PLAN

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 49 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

Plot Date: April 21, 2026 @ 10:33 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Existing Conditions & Demo Plan.dwg

SILT FENCE (TYP.)

TREE PROTECTION (TYP.)

INLET PROTECTION (TYP.)

TREE PROTECTION (TYP.)

SILT FENCE (TYP.)

CONCRETE WASHOUT

STAGING AND SPOILS AREA

TREE PROTECTION (TYP.)

SILT FENCE (TYP.)

TREE PROTECTION (TYP.)

MULCH SOCK

CONSTRUCTION ENTRANCE
NINE (9) SEDIMENT REMOVAL MATS
UTILIZE RUBBERFORM TRACKOUT
CONTROL MAT OR APPROVED
EQUAL–AS APPROVED BY ENGINEER

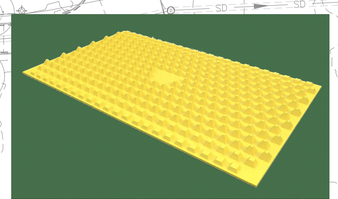
STAGING AND SPOILS AREA

CONCRETE WASHOUT

SPECTRUM DR (70' ROW)

SEDIMENT REMOVAL MAT

1. 12'(W) X 7'(L) MAT WITH 2.875"(H) PYRAMIDS
2. PYRAMIDS ARE ALWAYS UPRIGHT OR "PROUD"
3. 20,000 LBS PER PYRAMID
4. 430 LBS MATS
5. CONSTRUCTED OF HDPE 10% POST CONSUMER RECYCLED



LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- BENCHMARK
- SURVEY ROD/NAIL
- TAG# — TREE W/ TAG
- TAG# — TREE - REMOVE
- TAG# — HERITAGE TREE
- TP — TREE PROTECTION FENCE
- MS — MULCH SOCK
- LOC — LIMIT OF CONSTRUCTION
- SILT FENCE
- FD — FILTER DIKE
- SEDIMENT REMOVAL MAT

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.4.B.3., SECTION 5.I]
3. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS [LDC 25-8-182]
4. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
5. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]
6. WHERE TREE PROTECTION FENCING CANNOT BE INSTALLED AROUND THE FULL CRZ, PLACE FENCING AT THE 1/2 CRZ AND ADD 8" OF HARDWOOD MULCH FROM THE 1/2 CRZ TO THE FULL CRZ.
7. SEE EXISTING CONDITIONS SHEET FOR TREE SURVEY.
8. CONTRACTOR MUST PICK UP AND DISPOSE OF ALL SEDIMENT CONTROLS, INCLUDING SILT FENCE, ONCE PERMANENT EROSION CONTROLS MEASURES ARE ESTABLISHED.

Texas 811

0' 30' 60' 120'
SCALE:1"=60'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION EROSION CONTROL & TREE PROTECTION PLAN

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 50 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:33 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\ESC & Tree Protection Plan.dwg

SITE INFORMATION TABLE								
Gross Site Area (GSA)	2,125,292	SF	or	48.8	Acres			
Net Site Area (NSA)	2,125,292	SF	or	48.8	Acres			
Existing Land Use	Office							
Proposed Land Use	Offices, public primary educational facilities, public secondary educational facilities, administrative services, and child care services (general)							
Zoning	IP-PDA							
Foundation Type	Slab on Grade							
	ALLOWED		**EXISTING**		**PROPOSED**			
Building Coverage	1,062,646	SF	164,603	SF	164,603	SF		
	50%		8%		8%			
Impervious Cover	1,700,234	SF	559,249	SF	559,249	SF		
	80%		26%		26%			
FAR	1:01		0.1:1		0.1:1			
Building Height	60' - 0"		30' -0"		30' - 0"			

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
- BUILDING PAD AREA
- PAVEMENT / ASPHALT
- PAVEMENT / CONCRETE
- SD — STORM DRAIN LINE
- W — WATER LINE
- WW — WASTEWATER LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WW — WASTEWATER MANHOLE
- CO — WASTEWATER CLEANOUT
- BFP — BACKFLOW PREVENTER
- D — STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- T — TRANSFORMER
- AC — AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- D — DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

AREA A

AREA B

AREA C

SPECTRUM DR (70' ROW)

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. EXCEPT FOR LIGHTING IN A PUBLIC RIGHT OF WAY, ALL EXTERIOR LIGHTING MUST BE HOODED OR SHIELDED SO THAT THE LIGHT SOURCE IS NOT DIRECTLY VISIBLE FROM ADJACENT PROPERTIES. EXTERIOR LIGHTING MAY NOT EXCEED 0.4 FOOT CANDLES ACROSS THE SOURCE PROPERTY LINE.
3. THE NOISE LEVEL OF MECHANICAL EQUIPMENT MAY NOT EXCEED 70 DECIBELS AT THE PROPERTY LINE.
4. THE USE OF HIGHLY REFLECTIVE SURFACES, INCLUDING REFLECTIVE GLASS AND REFLECTIVE METAL ROOFS WITH A PITCH OF MORE THAN A RUN OF SEVEN TO A RISE OF 12, IS PROHIBITED. THIS PROHIBITION DOES NOT APPLY TO SOLAR PANELS AND COPPER OR PAINTED METAL ROOFS.
5. DUMPSTERS AND PERMANENTLY PLACED REFUSE RECEPTACLES MUST BE LOCATED AT LEAST 20 FEET FROM ADJACENT RESIDENTIAL USES. THE LOCATION OF AND ACCESS TO DUMPSTERS OR ANY OTHER REFUSE RECEPTACLES MUST COMPLY WITH THE TRANSPORTATION CRITERIA MANUAL.
6. COMMERCIAL, MULTI-FAMILY, AND CONDOMINIUM USES MUST BE SCREENED IN ACCORDANCE WITH THIS SUBSECTION. YARDS, FENCES, VEGETATIVE SCREENING, OR BERMS SHALL BE PROVIDED TO SCREEN OFF-STREET PARKING AREAS, MECHANICAL EQUIPMENT, STORAGE AREAS, AND AREAS FOR REFUSE COLLECTION. IF FENCES ARE USED FOR SCREENING, THE HEIGHT MAY NOT EXCEED SIX FEET UNLESS OTHERWISE PERMITTED IN THE LAND DEVELOPMENT CODE. THE PROPERTY OWNER IS RESPONSIBLE FOR THE UPKEEP AND MAINTENANCE OF FENCES, BERMS, AND VEGETATIVE SCREENING.

Parking Summary Table			
Use	SF	Parking Ratio	Required Spaces
Office	109,280	1:12,300	599
TOTAL			599
Note: Parking space minimum requirements are waived for all COA developments			
Total Parking Provided			**631**
Standard Accessible Parking			17
Van Accessible Parking			1
Standard Parking			613
Total Bike Parking Required (1 per 20 Car Parking Required)			**32**
Short Term Bike Parking Provided		100%	33
Long Term Bike Parking Provided		0%	0
Total Bike Parking Provided			**33**

0' 30' 60' 120'

SCALE:1"=60'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION
OVERALL SITE PLAN

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

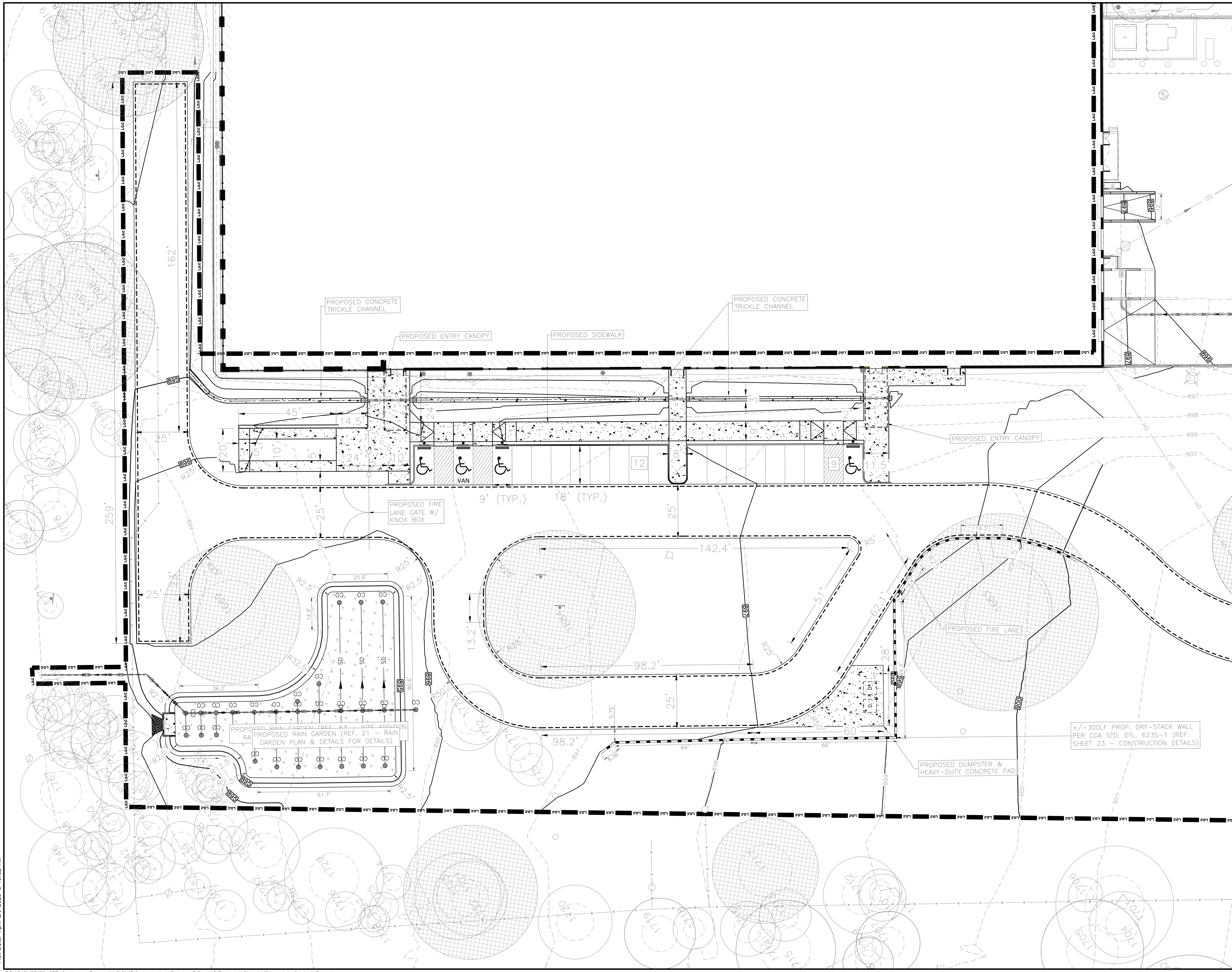
SHEET NO. 53 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:33 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Overall Site Plan.dwg



LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
- BUILDING PAD AREA
- PAVEMENT / ASPHALT
- PAVEMENT / CONCRETE
- STORM DRAIN LINE
- WATER LINE
- WASTEWATER LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTEWATER MANHOLE
- WASTEWATER CLEANOUT
- BACKFLOW PREVENTER
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- TRANSFORMER
- AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

Texas 811

0' 10' 20' 40'
SCALE:1"=20'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD-CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION ENLARGED SITE & DIMENSION CONTROL PLAN-AREA A

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752
PHONE 512 761 6161
FAX 512 761 6167
FIRM REG # F12469
INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 54 OF 65

RRISD - CTE CENTER RENOVATION - 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

Plot Date: April 21, 2026 @ 10:32 AM

P:\A845 RRISD CTE Center - Renovation\Civil\Construction Drawings\Sheets\Enlarged Site & Dimension Control Plan.dwg

PROPOSED ACCESS RAMP

PROPOSED CONCRETE AIR COMPRESSOR PAD

EXISTING WALKWAY TO REMAIN

PROPOSED FENCING

PROPOSED TRENCH DRAIN (REF. 61 – SITE ADDITION STORM & GRADING PLAN–AREA B FOR DETAILS

PROPOSED FENCE, REF. ARCH. FOR DETAILS

PROPOSED ACCESS GATE

PROPOSED FENCING

PROPOSED ENTRY CANOPY

PROPOSED FENCING

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
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- BACKFLOW PREVENTER
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- TRANSFORMER
- AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

0' 5' 10' 20'

SCALE:1"=10'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION ENLARGED SITE & DIMENSION CONTROL PLAN–AREA B

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 55 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:32 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Enlarged Site & Dimension Control Plan.dwg

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
- BUILDING PAD AREA
- PAVEMENT / ASPHALT
- PAVEMENT / CONCRETE
- STORM DRAIN LINE
- WATER LINE
- WASTEWATER LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTEWATER MANHOLE
- WASTEWATER CLEANOUT
- BACKFLOW PREVENTER
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- TRANSFORMER
- AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

0' 10' 20' 40'
SCALE:1"=20'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION ENLARGED SITE & DIMENSION CONTROL PLAN–AREA C

CIVILITUDE ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 56 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:32 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Enlarged Site & Dimension Control Plan.dwg

Existing Conditions

Sub Basin	Downstream	Area (ac)	Impervious Cover (%)	HEC-HMS Outputs Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
EX-1A	POA-1	8.82	73.3%	49.04	75.70	92.86	122.44
EX-3	POA-1	6.62	42.9%	24.21	37.95	47.12	62.36
EX-5	POA-1	18.51	0.0%	34.83	57.09	72.13	97.09
EX-5A	POA-1	1.25	29.8%	6.63	10.73	13.34	17.79
Point of Analysis 1				46.47	84.16	116.88	173.34

LEGEND

BOUNDARY / RIGHT OF WAY
EASEMENT / SETBACK
CURB / EDGE OF PAVEMENT
RETAINING / SCREENING WALL
512 EXISTING CONTOUR LINE
SD SD STORM DRAIN LINE
Ⓓ STORM DRAIN MANHOLE
STORM DRAIN CURB INLET
▦ STORM DRAIN GRATE INLET
DRAINAGE SWALE FLOW LINE
▪▪▪▪▪▪▪▪▪▪ DRAINAGE AREA
A 0.00 Ac 00.0 % DRAINAGE AREA NAME AREA/IC %
➡ FLOW DIRECTION

NOTES:

1. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DETENTION AND FILTRATION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
2. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.

0' 40' 80' 160'
SCALE:1"=80'

Time of Concentration Calculations - SCS Method

DRAINAGE AREA	SHEET FLOW P-2yr24hr 4.06 (In) n	L (ft)	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	Paved Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)
EX-1A	0.015	100	0.023	1.31	-	-	-	0.00	190	2.97	0.021	1.06
EX-3	0.016	100	0.020	1.44	-	-	-	0.00	173	2.65	0.017	1.09
EX-5	0.600	100	0.015	29.51	2736	1.90	0.014	23.99	-	-	-	0.00
EX-5A	0.016	100	0.015	1.64	124	2.05	0.016	1.01	159	2.42	0.014	1.09

DRAINAGE AREA	Open Channel Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	CHANNEL FLOW Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)
EX-1A	-	-	-	-	-	-	-	0.00	98	9.5	4.91	7.85	0.63	0.013	0.013	0.17
EX-3	346	0.64	8.50	22.00	0.39	0.150	0.015	8.94	24	3.1	0.79	3.14	0.25	0.012	0.004	0.13
EX-5	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	0.00
EX-5A	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	0.00

DRAINAGE AREA	Culvert Flow 2 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 3 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)
EX-1A	146	8.30	4.91	7.85	0.63	0.013	0.010	0.29	201	5.6	9.62	11.00	0.87	0.013	0.003	0.60
EX-3	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	0.00
EX-5	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	0.00
EX-5A	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	0.00

SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	CHANNEL FLOW Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	TOTAL Tc** (min)
-	-	-	0.00	375	2.46	10.00	9.00	1.11	0.013	0.000	2.54	1053	1.72	0.011	10.20	16.18
668	2.07	0.016	5.38	-	-	-	-	-	-	-	0.00	638	1.80	0.013	5.89	22.87
-	-	-	0.00	-	-	-	-	-	-	-	0.00	-	-	-	0.00	53.49
1349	1.85	0.013	12.16	-	-	-	-	-	-	-	0.00	-	-	-	0.00	15.90

Plot Date: April 21, 2026 @ 10:33 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Existing Drainage Area Map.dwg

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION EXISTING
DRAINAGE AREA MAP

CIVILITUDE
ENGINEERS & PLANNERS

503 KENNISTON DR,
PHONE 512 761 6161
AUSTIN, TX 78752
FAX 512 761 6167
FIRM REG # F12469
INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

KYLE W. MOORE
150732
04/20/2026

SHEET NO.
58
OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

Proposed Conditions

Sub Basin	Downstream	Area (ac)	Impervious Cover (%)	HEC-HMS Outputs Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
PR-1A	POA-1	8.82	67.6%	40.37	62.31	76.87	101.36
PR-3	POA-1	6.62	45.5%	14.95	23.42	29.17	38.75
PR-5	POA-1	18.51	0.0%	34.83	57.09	72.13	97.09
PR-5A	POA-1	1.25	49.3%	6.92	10.90	13.46	17.83
Point of Analysis 1 (Proposed)				46.45	75.45	107.81	164.76
Point of Analysis 1 (Existing)				46.47	84.16	116.88	173.34
ΔSite Flows				**-0.02**	**-8.71**	**-9.07**	**-8.58**

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- RETAINING / SCREENING WALL
- 512 — EXISTING CONTOUR LINE
- SD — SD — STORM DRAIN LINE
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN GRATE INLET
- DRAINAGE SWALE FLOW LINE
- DRAINAGE AREA
- A 0.00 Ac | 00.0 % — DRAINAGE AREA NAME AREA/IC %
- FLOW DIRECTION
- 512 — PROPOSED CONTOUR LINE

Time of Concentration Calculations - SCS Method

DRAINAGE AREA	SHEET FLOW P-2yr24hr 4.06 (In) n	L (ft)	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	Paved Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	CHANNEL FLOW Open Channel Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Open Channel Flow 2 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 2 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)
PR-1A	0.150	100	0.023	**8.24**	-	-	-	**0.00**	190	2.97	0.021	**1.06**	-	-	-	-	-	-	-	**0.00**	98	9.46	4.91	7.85	0.63	0.013	0.013	**0.17**	-	-	-	-	-	-	-	**0.00**	146	8.30	4.91	7.85	0.63	0.013	0.010	**0.29**
PR-3	0.016	100	0.020	**1.44**	-	-	-	**0.00**	173	2.65	0.017	**1.09**	131	1.05	8.50	22.00	0.39	0.150	0.040	**2.08**	15	3.37	0.79	3.14	0.25	0.012	0.005	**0.07**	79	0.13	0.005	2.00	0.00	0.015	0.005	**10.11**	11	3.32	0.79	3.14	0.25	0.012	0.005	**0.06**
PR-5	0.600	100	0.015	**29.51**	2736	1.90	0.014	**23.99**	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**
																												0.00	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**

DRAINAGE AREA	CHANNEL FLOW Open Channel Flow 3 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Culvert Flow 3 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	Open Channel Flow 4 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	CHANNEL FLOW Culvert Flow 1 L (ft)	V (fps)	a (ft²)	Pw (ft)	r	n	S (ft/ft)	Tt (min)	SHALLOW CONCENTRATED FLOW Grass Surface L (ft)	V (fps)	S (ft/ft)	Tt (min)	TOTAL Tc** (min)
PR-1A	-	-	-	-	-	-	-	**0.00**	201	5.58	9.62	11.00	0.87	0.013	0.003	**0.60**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	375	2.46	10.00	9.00	1.11	0.013	0.000	**2.54**	1053	1.72	0.011	**10.20**	**23.11**
PR-3	115	0.1	0.005	2.00	0.00	0.015	0.005	**14.75**	26	3.48	0.79	3.14	0.25	0.012	0.005	**0.12**	84	0.13	0.005	2.00	0.00	0.015	0.005	**10.82**	562	2.25	0.019	**4.16**	-	-	-	-	-	-	-	**0.00**	638	1.80	0.013	**5.89**	**50.61**
PR-5	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	**53.49**
	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	-	-	-	-	-	-	-	**0.00**	1349	1.91	0.014	**11.75**	-	-	-	-	-	-	-	**0.00**	-	-	-	**0.00**	**16.89**

NOTES:

1. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DETENTION AND FILTRATION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
2. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.

Texas 811

0' 40' 80' 160'
SCALE:1"=80'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION PROPOSED DRAINAGE AREA MAP

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS KYLE W. MOORE 150732 LICENSED PROFESSIONAL ENGINEER
04/20/2026

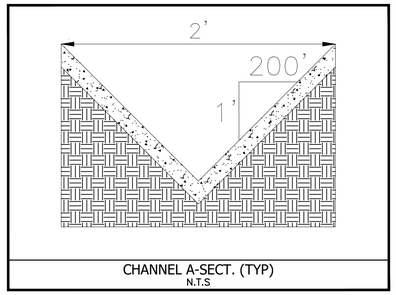
SHEET NO. 59 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

Plot Date: April 21, 2026 @ 10:32 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Proposed Drainage Area Map.dwg



CHANNEL A-SECT. (TYP)
N.T.S

STA: 1+00.00
PROP. 12" HEADWALL @ 3:1
RIM = 895.35
12" FL IN (SW) = 895.35
12" FL OUT (NE) = 895.35

25.54 LF 12" RCP @ 0.50%

STA: 1+25.54
PROP. 12" HEADWALL @ 3:1
RIM = 895.48
12" FL IN (SW) = 895.48
12" FL OUT (NE) = 895.48

11.00 LF 12" RCP @ 0.50%

STA: 1+00.00
PROP. 12" HEADWALL @ 3:1
RIM = 896.06
12" FL IN (SW) = 896.06
12" FL OUT (NE) = 896.06

STA: 1+00.00
PROP. 12" HEADWALL @ 3:1
RIM = 896.11
12" FL IN (SW) = 896.11
12" FL OUT (NE) = 896.11

STA: 1+00.00
PROP. 12" HEADWALL @ 3:1
RIM = 896.51
12" FL IN (SW) = 896.51
12" FL OUT (NE) = 896.51

STA: 1+14.50
PROP. 12" HEADWALL @ 3:1
RIM = 896.58
12" FL OUT (NE) = 896.58

14.50 LF 12" RCP @ 0.50%

STA: 1+01.00
PROP. 45° VERTICAL BEND
FOR RAISED OUTLET
6" FL IN (SW) = 893.00
6" FL OUT (NE) = 893.00

STA: 1+02.41
PROP. 45° VERTICAL BEND
FOR RAISED OUTLET
6" FL IN (SW) = 891.92
6" FL OUT (NE) = 891.92

STA: 1+48.51
PROP. 45° HORIZONTAL BEND
6" FL IN (W) = 891.92
6" FL OUT (NE) = 891.92

11.41 LF 6" PVC
@ 76.38%

25.37 LF 6" PVC
@ 0.00%

STA: 1+00.00
UNDERDRAIN TO OPEN
DISCHARGE AT GRADE
6" FL IN (SW) = 893.00

46.09 LF 6" PVC
@ 0.00%

STA: 1+73.88
PROP. 6" CLEANOUT
6" FL IN (SW) = 891.92
6" FL OUT (E) = 891.92

106.23 LF 6" PVC
@ 0.00%

STA: 2+80.11
PROP. 6" CLEANOUT (ACCESSIBLE)
RIM ELEVATION TO BE AT GRADE
6" FL OUT (NE) = 891.92

PROPOSED RAIN GARDEN

TOP OF RAIN GARDEN = 895.68
TOP OF MEDIA = 894.17
(REF. 63 – SITE ADDITION RAIN GARDEN PLAN & DETAILS FOR UNDERDRAIN SPACING & DETAILS)

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
- BUILDING PAD AREA
- PAVEMENT / ASPHALT
- PAVEMENT / CONCRETE
- STORM DRAIN LINE
- WATER LINE
- WASTEWATER LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTEWATER MANHOLE
- WASTEWATER CLEANOUT
- BACKFLOW PREVENTER
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- TRANSFORMER
- AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

0' 10' 20' 40'
SCALE:1"=20'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION STORM & GRADING PLAN–AREA A

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 60 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717
SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:32 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Storm & Grading Plan.dwg

STA: 1+03.00
PROP. 45° BEND
12" FL IN (W) = 891.42
12" FL OUT (SE) = 891.42

5.33 LF 12" HDPE @ 5.00%

STA: 1+08.33
PROP. 45° BEND
12" FL IN (SW) = 891.69
12" FL OUT (E) = 891.69

5.00 LF 12" HDPE @ 5.00%

STA: 1+00.00
CONNECT TO EXISTING STORM LINE; CONTRACTOR TO FIELD IDENTIFY EXISTING FLOW LINE & NOTIFY ENGINEER
12" FL IN (NW) = 891.27

56.30 LF 12" HDPE @ 5.00%

STA: 1+64.63
PROPOSED 12" TRENCH DRAIN
(NEENAH FOUNDRY TRENCH GRATE COVER "4990-DX A" OR APPROVED EQUIVALENT)
12" FL OUT (NE) = 894.51

RIM=895.90
RIM=895.74
BW=895.68
TW=895.89

TW=898.28 BW=897.78
TW=898.28 BW=897.78
TW=898.28 BW=897.78
TW=898.28 BW=896.28 BW=897.78
TW=898.28 BW=897.78
TW=896.28 TW=895.28 BW=897.78
BW=896.70
TW=896.61 BW=896.28
TW=896.61 BW=896.28
TW=896.61
TW=896.61 BW=895.99
TW=896.50 BW=896.00
TW=896.38 BW=895.88
TW=896.30 BW=895.80

897
896
895

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
- BUILDING PAD AREA
- PAVEMENT / ASPHALT
- PAVEMENT / CONCRETE
- STORM DRAIN LINE
- WATER LINE
- WASTEWATER LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTEWATER MANHOLE
- WASTEWATER CLEANOUT
- BACKFLOW PREVENTER
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- TRANSFORMER
- AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

0' 5' 10' 20'
SCALE:1"=10'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION STORM & GRADING PLAN–AREA B

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 61 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717
SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:33 AM
P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Storm & Grading Plan.dwg

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

RENCH DRAIN
Y TRENCH GRATE
A' OR APPROVED EQUIVALENT)
= 894.51

PROP. CURB CUTS (3-2ft)

G=905.06
G=905.00
TC=905.45
ST=905.28
G=905.50
TC=905.75
ST=905.89
G=907.37
TC=907.87
G=909.90
TC=910.40
G=909.19
TC=909.69

PROPOSED DRAINAGE SWALE (GRASS)

LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- ACCESSIBLE ROUTE (ADA)
- FIRE LANE STRIPING
- RETAINING / SCREENING WALL
- BUILDING PAD AREA
- PAVEMENT / ASPHALT
- PAVEMENT / CONCRETE
- STORM DRAIN LINE
- WATER LINE
- WASTEWATER LINE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTEWATER MANHOLE
- WASTEWATER CLEANOUT
- BACKFLOW PREVENTER
- STORM DRAIN MANHOLE
- STORM DRAIN CURB INLET
- STORM DRAIN AREA INLET
- TRANSFORMER
- AIR CONDITIONER UNIT
- UTILITY POLE
- GUY WIRE
- DUMPSTER
- SIGN
- BICYCLE RACK
- PARKING BUMPER
- ACCESSIBLE PARKING (ADA)
- CROSSWALK

0' 10' 20' 40'
SCALE:1"=20'

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION STORM & GRADING PLAN–AREA C

CIVILITUDE
ENGINEERS & PLANNERS
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STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 62 OF 65

Plot Date: April 21, 2026 @ 10:34 AM

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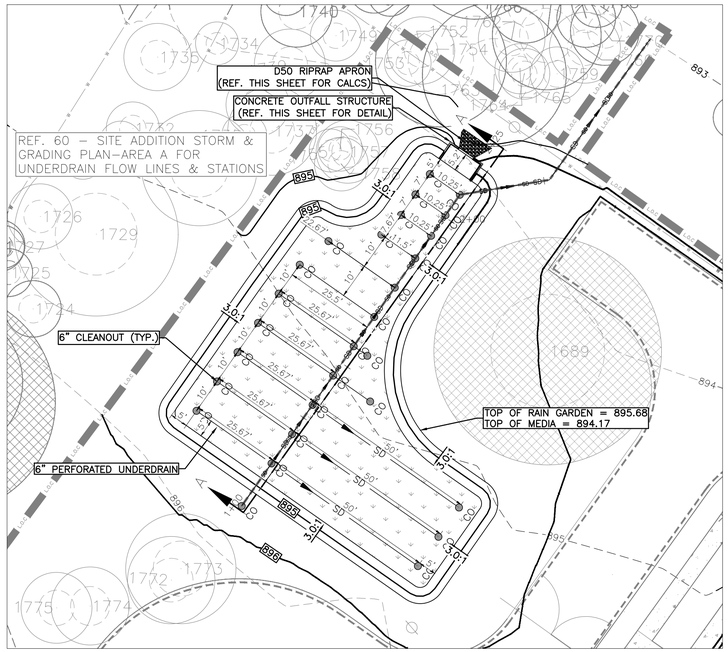
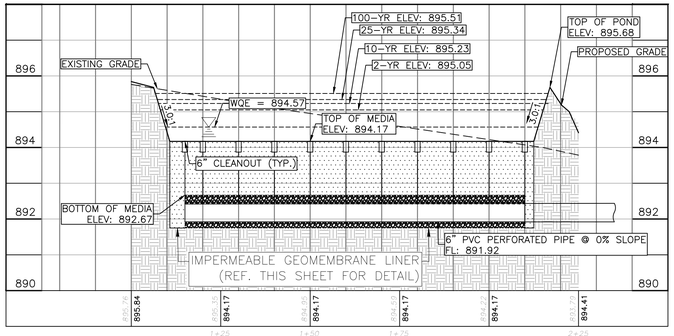


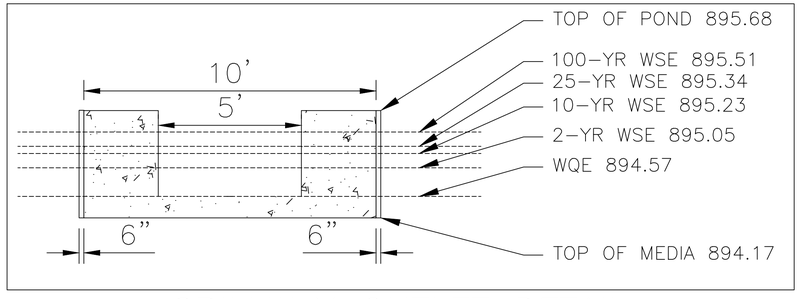
RAIN GARDEN PLAN

SCALE:1"=20'



RAIN GARDEN – SECTION A–A

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'



SPILLWAY OUTLET DETAIL
NTS

APPENDIX R - 11
RAIN GARDEN CALCULATIONS - FULL FILTRATION
FOR DEVELOPMENT PERMITS

DRAINAGE AREA DATA:

Drainage Area to Control (DA - Maximum 2.0 ac)	1.30 ac.
Drainage Area Perecent Impervious Cover	47.23 %
Capture Depth (CD)	0.77 in.
25 Year Peak Flow Rate to Control (Q25)	13.46 cfs.
100 Year Peak Flow Rate to Control (Q100)	17.83 cfs.

WATER QUALITY CONTROL CALCULATIONS:

	Required		Provided
Water Quality Volume (WQV=CD*DA*3630)	3,644.48	cf.	3,721.34 cf.
Filtration Pond Area [Af≥WQV/(D+0.24*L)]	4,795.37	sf.	4,896.50 sf.
Depth of Ponding (D)	Maximum 1.00	ft.	0.40 ft.
Depth of Filtration Media (L)	Minimum 1.50	ft.	1.50 ft.
Effective Porosity Water Quality Volume (WQVeff = 0.24*Af*L)			1,762.74 cf.
Ponded Water Quality Volume (WQV_{ponded} = Af*D)			1,958.60 cf.
Total Water Quality Volume (WQVponded+WQVeff)			3,721.34 cf.
Water Quality Elevation (WQE)			894.57 ft. MSL
Elevation of Splitter/Overflow Weir (Minimum WQE)			n/a ft. MSL
Length of Splitter Weir			n/a ft.
Required Head to Pass Q100	Maximum 0.50	ft.	n/a ft.
Pond Freeboard Provided to Pass Q100	Minimum 0.25	ft.	n/a ft.
Top of Pond			895.68 ft.

FOR FILTRATION RAIN GARDENS:

Rain Garden Pond Drawdown Time	Minimum 48	hr.	48.00 hr.
Underdrain Orifice Size (Diameter)			0.25 in.
Underdrain Orifice Area)			0.05 sq. in.

Water Quality Stage Storage Table

Elevation	Area		Total Volume		
(ft)	(sf)	(ac)	(cf)	(ac-ft)	
894.17	4,896.50	0.1124	0	0	
894.57	5,319.27	0.1221	2043.2	0.0469	WQV
895.17	5,969.60	0.1370	5429.8	0.1247	
895.57	6415	0.1473	7906.7	0.1815	
895.68	6539	0.1501	8619.1	0.1979	Top of Pond

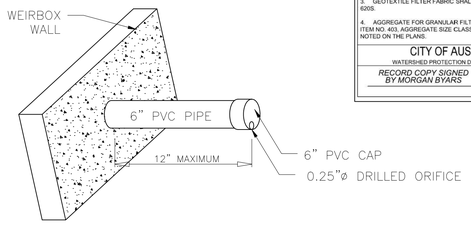
DRAWDOWN CALCULATION

Surface Area	4,896.50
Orifice Coefficient	0.6
H_1 (ft)	894.57
H_2 (ft)	891.92
t(hr)	48.00
A_v (sf)	0.00052
Orifice Diameter (in.)	0.31

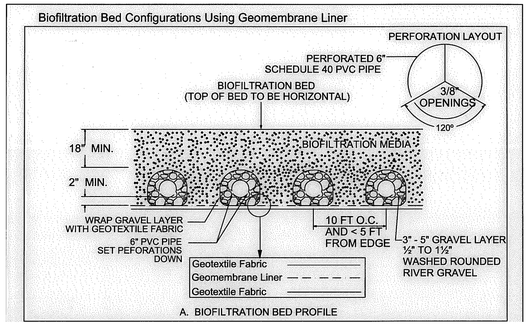
Rip Rap Sizing Calculations

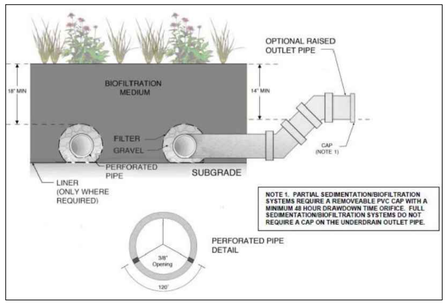
Velocity (fps)	D_{50} (in)	Rip Rap Class by Median Rock Diameter (D_{50})
2.70	1.0	Class I
Provided	6.0	Class I

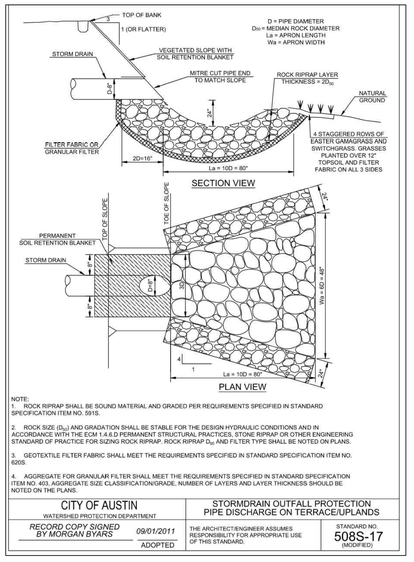
V = Avg. velocity (fps)
$D_{50} = 0.0105V^{2.06}$
D_{50} = Median rock diameter (ft)
Based on City of Austin ECM 1.4.6



PVC OUTLET CAP W/ ORIFICE
(NOT TO SCALE)







NOTE:
1. ROCK RIPRAP SHALL BE SOUND MATERIAL AND GRADED PER REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 591S.
2. ROCK SIZE (D_{50}) AND GRADATION SHALL BE STABLE FOR THE DESIGN HYDRAULIC CONDITIONS AND IN ACCORDANCE WITH THE ECM 1.4.6.D PERMANENT STRUCTURAL PRACTICES, STONE RIPRAP OR OTHER ENGINEERING STANDARD OF PRACTICE FOR SIZING ROCK RIPRAP. ROCK RIPRAP D_{50} AND FILTER TYPE SHALL BE NOTED ON PLANS.
3. GEOTEXTILE FILTER FABRIC SHALL MEET THE REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 620S.
4. AGGREGATE FOR GRANULAR FILTER SHALL MEET THE REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NO. 403. AGGREGATE SIZE CLASSIFICATION/GRADE, NUMBER OF LAYERS AND LAYER THICKNESS SHOULD BE NOTED ON THE PLANS.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STORMDRAIN OUTFALL PROTECTION PIPE DISCHARGE ON TERRACE/UPLANDS	
RECORD COPY SIGNED BY MORGAN BYARS 09/01/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 508S-17 (MODIFIED)

LEGEND

	BOUNDARY / RIGHT OF WAY
	EASEMENT / SETBACK
	CURB / EDGE OF PAVEMENT
	RETAINING / SCREENING WALL
	PROPOSED BUILDING PAD AREA
512	EXISTING CONTOUR LINE
512	PROPOSED CONTOUR LINE
SD SD	STORM DRAIN LINE
W	WATER LINE
WW WW	WASTEWATER LINE
OH	OVERHEAD ELECTRIC
GAS	GAS LINE
D	STORM DRAIN MANHOLE
	STORM DRAIN CURB INLET
	STORM DRAIN GRATE INLET
	WATER METER
	WATER VALVE
	FIRE HYDRANT
WW	WASTEWATER MANHOLE
CO	WASTEWATER CLEANOUT
BFP	BACKFLOW PREVENTER
T	TRANSFORMER
AC	AIR CONDITIONER UNIT
	UTILITY POLE
	GUY WIRE
	DRAINAGE SWALE FLOW LINE
EG=XXX.00	EXISTING GRADE
XXX.00	PROPOSED FINISHED GRADE
TC	TOP OF CURB ELEVATION
G	GUTTER ELEVATION
ZC	ZERO CURB
FL	FLOW LINE ELEVATION
HP	HIGH POINT ELEVATION
LP	LOW POINT ELEVATION
ME	MATCH EXISTING ELEVATION
PE	PAD ELEVATION
FFE	FINISHED FLOOR ELEVATION
TW	TOP OF WALL ELEVATION
BW	FINISHED GRADE AT WALL
RIM	TOP OF GRATE INLET
ST	SAW TOOTH CURB

Texas 811

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD–CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION RAIN GARDEN PLAN & DETAILS

CIVILITUDE
ENGINEERS & PLANNERS
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SHEET NO. 63 OF 65

RRISD – CTE CENTER RENOVATION – 9900 SPECTRUM DR, AUSTIN, TX 78717

SP–94–0047C(R1).CC

Plot Date: April 21, 2026 @ 10:33 AM

P:\A845 RRISD CTE Center – Renovation\Civil\Construction Drawings\Sheets\Rain Garden Plan.dwg

POND MAINTENANCE NOTES:
1. ALL EARTHEN EMBANKMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS.
2. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE NO STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL.
3. BIOFILTRATION MEDIUM SHALL COMPLY WITH ECM 1.6.7.C.4(A)
4. PLEASE REFER TO THE PREVIOUS SHEET FOR ADDITIONAL POND MAINTENANCE AND BIOFILTRATION MEDIA NOTES

BIOFILTRATION MEDIUM ECM 1.6.7.C.4(A) NOTES:

IN ORDER TO PROVIDE ACCEPTABLE DRAINAGE AND PLANT GROWTH CHARACTERISTICS, THE BIOFILTRATION MEDIUM SHALL MEET THE FOLLOWING PERFORMANCE CRITERIA:

PERCENT ORGANIC MATTER (BY WEIGHT) OF 0.5--5.0%

TEXTURE ANALYSIS (PARTICLE SIZE DISTRIBUTION):

PERCENT SAND 70--90%

PERCENT CLAY 3--10%

PERCENT SILT PLUS CLAY ≤27%

THERE IS ONGOING RESEARCH ON THE MOST APPROPRIATE SOURCES OF ORGANIC MATTER TO INCORPORATE INTO THE MEDIA.

SUPPLIERS OF BIOFILTRATION MEDIA MUST HAVE LABORATORY TESTING CONDUCTED AT A MINIMUM OF SIX MONTH INTERVALS TO VERIFY PERCENT ORGANIC MATTER AND TEXTURE ANALYSIS. THE MEDIUM MUST NOT CONTAIN ANY CONTAMINATED SOILS AND BE FREE OF ANY HOUSEHOLD OR HAZARDOUS WASTE. IT MUST BE FREE OF STONES, TRASH, AND OTHER UNDESIRABLE MATERIAL, AND SHOULD NOT CONTAIN WEEDS OR WEED SEEDS. A SATURATED HYDRAULIC CONDUCTIVITY OF K≥2.0 IN/HR CAN BE PRESUMED IF THE ORGANIC MATTER AND TEXTURE ANALYSIS CRITERIA ARE MET.

THE HYDRAULIC CONDUCTIVITY NEEDS TO BE HIGH ENOUGH TO PROVIDE ADEQUATE DRAINAGE, SUPPORT HEALTHY PLANT GROWTH, AND PREVENT NUISANCE CONDITIONS.

THE CRITERIA IS INTENDED TO MEET THE NRCS DEFINITION OF SOILS WITH 'MODERATE' TO 'HIGH' AVAILABLE WATER CAPACITY. THE CRITERIA SHOULD ENSURE THAT THE MEDIUM HAS SUFFICIENT WATER HOLDING CAPACITY TO SUPPORT VIGOROUS PLANT GROWTH, ENHANCING THE ABILITY FOR PLANTS TO SURVIVE DURING DRY PERIODS. IT SHOULD ALSO SUSTAIN A HEALTHY MICROORGANISM POPULATION WHICH, IN CONCERT WITH THE PLANTS, SHOULD ENHANCE BIOLOGICAL REMOVAL OF POLLUTANTS IN STORMWATER.

THE PERCENT ORGANIC MATTER CRITERION IS NEEDED TO ENSURE HEALTHY VEGETATION. MOST NATIVE SOILS IN THE AUSTIN AREA HAVE LESS THAN 4% ORGANIC MATTER, AND NATIVE PLANTS IN THE AREA HAVE ADAPTED TO SURVIVING IN THESE TYPES OF SOILS. A HIGHER ORGANIC MATTER CONTENT IS NOT DESIRABLE AS NUTRIENTS MAY BE EXPORTED FROM THE MEDIUM, WHICH IS COUNTER TO THE REMOVAL THAT IS INTENDED IN THIS TYPE OF DEVICE. IMMATURE COMPOST, MANURE, COMPOST DERIVED FROM ANIMAL OR HUMAN SOURCES, AND UNSTABLE FORMS OF ORGANIC MATTER THAT MAY EXPORT NUTRIENTS SHOULD NOT BE INCLUDED IN THE BIOFILTRATION MEDIUM. RECOMMENDED SOURCES OF ORGANIC MATTER INCLUDE THAT FOUND NATURALLY IN NATIVE TOPSOIL, HUMUS, COCONUT COIR FIBER, AND MATURE PLANT-DERIVED COMPOSTS WITH AN ESTABLISHED FUNGAL COMPONENT. THE BIOFILTRATION MEDIUM MUST BE CERTIFIED BY THE PROJECT ENGINEER OR THEIR DESIGNEE (E.G. CONTRACTOR, SOIL SUPPLIER, OR APPROPRIATE QUALIFIED ALTERNATIVE INDIVIDUAL) AS MEETING THE ABOVE PERFORMANCE CRITERIA (BASED ON SUBMITTAL OF DELIVERY TICKETS, TEST RESULTS, ETC.) BEFORE ACCEPTANCE BY THE CITY.

1. CREATING BIOFILTRATION MIXTURE - SEE STANDARD SPECIFICATION 660S, BIOFILTRATION MEDIUM

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

Edwards Aquifer Protection Program Construction Notes – Legal Disclaimer

The following/listed "construction notes" are intended to be advisory in nature only and do not constitute an approval or conditional approval by the Executive Director (ED), nor do they constitute a comprehensive listing of rules or conditions to be followed during construction. Further actions may be required to achieve compliance with TCEQ regulations found in Title 30, Texas Administrative Code (TAC), Chapters 213 and 217, as well as local ordinances and regulations providing for the protection of water quality. Additionally, nothing contained in the following/listed "construction notes" restricts the powers of the ED, the commission or any other governmental entity to prevent, correct, or curtail activities that result or may result in pollution of the Edwards Aquifer or hydrologically connected surface waters. The holder of any Edwards Aquifer Protection Plan containing "construction notes" is still responsible for compliance with Title 30, TAC, Chapters 213 or any other applicable TCEQ regulation, as well as all conditions of an Edwards Aquifer Protection Plan through all phases of plan implementation. Failure to comply with any condition of the ED's approval, whether or not in contradiction of any "construction notes," is a violation of TCEQ regulations and any violation is subject to administrative rules, orders, and penalties as provided under Title 30, TAC § 213.10 (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. The following/listed "construction notes" in no way represent an approved exception by the ED to any part of Title 30 TAC, Chapters 213 and 217, or any other TCEQ applicable regulation

1. A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start of any regulated activities. This notice must include:
   - the name of the approved project;
   - the activity start date; and
   - the contact information of the prime contractor.
2. All contractors conducting regulated activities associated with this project must be provided with complete copies of the approved Water Pollution Abatement Plan (WPAP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors are required to keep on-site copies of the approved plan and approval letter.
3. If any sensitive feature(s) (caves, solution cavity, sink hole, etc.) is discovered during construction, all regulated activities near the sensitive feature must be suspended immediately. The appropriate TCEQ regional office must be immediately notified of any sensitive features encountered during construction. Construction activities may not be resumed until the TCEQ has reviewed and approved the appropriate protective measures in order to protect any sensitive feature and the Edwards Aquifer from potentially adverse impacts to water quality.
4. No temporary or permanent hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.
5. Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the approved plans and manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.
6. Any sediment that escapes the construction site must be collected and properly disposed of before the next rain event to ensure it is not washed into surface streams, sensitive features, etc.
7. Sediment must be removed from the sediment traps or sedimentation basins not later than

TCEQ-0592 (Rev. July 15, 2015) Page 1 of 2

when it occupies 50% of the basin's design capacity.

8. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
9. All spoils (excavated material) generated from the project site must be stored on-site with proper E&S controls. For storage or disposal of spoils at another site on the Edwards Aquifer Recharge Zone, the owner of the site must receive approval of a water pollution abatement plan for the placement of fill material or mass grading prior to the placement of spoils at the other site.
10. If portions of the site will have a temporary or permanent cease in construction activity lasting longer than 14 days, soil stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.
11. The following records shall be maintained and made available to the TCEQ upon request:
    - the dates when major grading activities occur;
    - the dates when construction activities temporarily or permanently cease on a portion of the site; and
    - the dates when stabilization measures are initiated.
12. The holder of any approved Edward Aquifer protection plan must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:
    A. any physical or operational modification of any water pollution abatement structure(s), including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;
    B. any change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
    C. any development of land previously identified as undeveloped in the original water pollution abatement plan.

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

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

TCEQ-0592 (Rev. July 15, 2015) Page 2 of 2

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: Round Rock ISD Career & Technical
Date Prepared: 4/20/2026

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:
$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = 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 * =	48.79	acres
Predevelopment impervious area within the limits of the plan* =	9.58	acres
Total post-development impervious area within the limits of the plan* =	9.58	acres
Total post-development impervious cover fraction * =	0.20	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	0	lbs.

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

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

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

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	1.30	acres
Predevelopment impervious area within drainage basin/outfall area =	0.18	acres
Post-development impervious area within drainage basin/outfall area =	0.61	acres
Post-development impervious fraction within drainage basin/outfall area =	0.47	
$L_{M\ THIS\ BASIN}$ =	374	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter
Removal efficiency = 89 percent

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

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

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A_I x 34.6 + A_P x 0.54)

where:
A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	1.30	acres
A_I =	0.61	acres
A_P =	0.69	acres
L_R =	612	lbs

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

Desired $L_{M\ THIS\ BASIN}$ = 374 lbs.

F = 0.61

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 =	0.60	inches
Post Development Runoff Coefficient =	0.34	
On-site Water Quality Volume =	963	cubic feet

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

Off-site area draining to BMP =	0.00	acres
Off-site Impervious cover draining to BMP =	0.00	acres
Impervious fraction of off-site area =	0	
Off-site Runoff Coefficient =	0.00	
Off-site Water Quality Volume =	0	cubic feet
Storage for Sediment =	193	
Total Capture Volume (required water quality volume(s) x 1.20) =	1155	cubic feet

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

7. Retention/Irrigation System Designed as Required in RG-348 Pages 3-42 to 3-46

Required Water Quality Volume for retention basin = NA cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate =	0.1	in/hr	Enter determined permeability rate or assumed value of 0.1
Irrigation area =	NA	square feet	
	NA	acres	

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

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

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	1155	cubic feet	
Minimum filter basin area =	53	square feet	
Maximum sedimentation basin area =	481	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	120	square feet	For maximum water depth of 8 feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	1155	cubic feet	
Minimum filter basin area =	96	square feet	
Maximum sedimentation basin area =	385	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	24	square feet	For maximum water depth of 8 feet

10. Bioretention System Designed as Required in RG-348 Pages 3-63 to 3-65

Required Water Quality Volume for Bioretention Basin = NA cubic feet

11. Wet Basins Designed as Required in RG-348 Pages 3-66 to 3-71

Required capacity of Permanent Pool =	NA	cubic feet	Permanent Pool Capacity is 1.20 times the WQV
Required capacity at WQV Elevation =	NA	cubic feet	Total Capacity should be the Permanent Pool Capacity plus a second WQV.

12. Constructed Wetlands Designed as Required in RG-348 Pages 3-71 to 3-73

NO.	DATE	REVISION/CORRECTION/ADDENDUM

RRISD-CTE CENTER RENOVATION
9900 SPECTRUM DR, AUSTIN, TX 78717

SITE ADDITION RAIN GARDEN TCEQ NOTES & CALCULATIONS

CIVILITUDE
ENGINEERS & PLANNERS
503 KENNISTON DR, AUSTIN, TX 78752 FIRM REG # F12469
PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

JOB NO: A845
DGN BY: KM
DWN BY: MD
RVW BY: JM

STATE OF TEXAS
KYLE W. MOORE
150732
LICENSED
PROFESSIONAL ENGINEER
04/20/2026

SHEET NO. 64 OF 65

RRISD - CTE CENTER RENOVATION - 9900 SPECTRUM DR, AUSTIN, TX 78717

SP-94-0047C(R1).CC

Plot Date: April 21, 2026 @ 10:32 AM

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