

MODIFICATION TO PREVIOUSLY APPROVED WATER POLLUTION ABATEMENT PLAN

FOR

YMCA TWIN LAKES PAVILIONS AND ADVENTURE PARK

204 E. LITTLE ELM TRAIL CEDAR PARK, TEXAS 78613

APPLICANT:
YMCA OF CENTRAL TEXAS
1812 N. MAYS STREET
ROUND ROCK, TEXAS 78664

Submitted To:
Texas Commission on Environmental Quality
Region 11 Office
12100 PARK 35 CIRCLE, BLDG A.
Austin, Texas 78753

NOVEMBER 2023

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

- Edwards Aquifer applications must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.
 - To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: http://www.tceq.texas.gov/field/eapp.
- 2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
- 3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
- 4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.
 - An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.
- 5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
- 6. If the geologic assessment was completed before October 1, 2004 and the site contains "possibly sensitive" features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

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

- 2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.
- 3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or if not withdrawn the application will be denied and 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 to you:

- You can withdraw your application, and your fees will be refunded or credited for a resubmittal.
- 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 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 effected 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: TWIN LAKES PAVILION PAVILIONS AND ADVENTURE PARK			2. Regulated Entity No.:			
3. Customer Name: YMCA of Central Texas			4. Customer No: 601387905			
5. Project Type: (Please circle/check one)	New (Modification	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		e (acres):	5.72
9. Application Fee:	\$ 5,000.00	10. Permanent BMP(s)		s):		Wet Pond
11. SCS (Linear Ft.):		12. AST/UST (No.		ıks):		
13. County:	WMSN	14. Watershed:			BUTTERCUP (CREEK

Application Distribution

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

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

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

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	_		_X_
Region (1 req.)	_	_	_X_
County(ies)	_	_	_X_
Groundwater Conservation District(s)	Edwards Aquifer AuthorityBarton Springs/ Edwards AquiferHays TrinityPlum Creek	Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	AustinBudaDripping SpringsKyleMountain CitySan MarcosWimberleyWoodcreek	AustinBee CavePflugervilleRollingwoodRound RockSunset ValleyWest Lake Hills	Austin _X_Cedar ParkFlorenceGeorgetownJerrellLeanderLiberty HillPflugervilleRound 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 HillsFair Oaks RanchHelotesHill Country VillageHollywood ParkSan 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.		
TERRY R. HAGOOD		
my Riscord	11/14/23	
Signature of Customer/Authorized Agent	Date	

Date(s)Reviewed:	Date Adı	ninistratively Complete:		
Received From:	Correct Number of Copies:			
Received By:	Distribution Date:			
EAPP File Number:	Complex	:		
Admin. Review(s) (No.):	No. AR I	Rounds:		
Delinquent Fees (Y/N):	Review 7	Review Time Spent: SOS Customer Verification:		
Lat./Long. Verified:	SOS Cus			
Agent Authorization Complete/Notarized (Y/N):	Fee	Payable to TCEQ (Y/N):		
D. I. F (1	Check:			
Core Data Form Incomplete Nos.:		Less than 90 days old (Y/N):	ys old (Y/N):	

General Information Form

Texas Commission on Environmental Quality

Print Name of Customer/Agent: TERRY R. HAGOOD

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

Date: <u>11/14/23</u>

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:

Sig	gnature of Customer/Agent:
	my Risgort
Pi	roject Information
1.	Regulated Entity Name: TWIN LAKES PAVILION PAVILIONS AND ADVENTURE PARK
2.	County: WILLIAMSON
3.	Stream Basin: BUTTERCUP CREEK
4.	Groundwater Conservation District (If applicable): N/A
5.	Edwards Aquifer Zone:
	Recharge Zone Transition Zone
ŝ.	Plan Type:
	WPAPSCS✓ UST✓ Modification✓ Exception Request

7.	Customer (Applicant):	
	Contact Person: RICH CARLTON Entity: YMCA OF CENTRAL TEXAS Mailing Address: 1812 N. MAYS STREET City, State: ROUND ROCK, TX Telephone: 512.615.5555 Email Address: RCARLTON@YMCAGWC.ORG	Zip: <u>78664</u> FAX:
8.	Agent/Representative (If any):	
	Contact Person: <u>TERRY R. HAGOOD</u> Entity: <u>HAGOOD ENGINEERING ASSOCIATES, INC.</u> Mailing Address: <u>900 E. MAIN STREET</u> City, State: <u>ROUND ROCK, TEXAS</u> Telephone: <u>512.244.1546</u> Email Address: <u>TERRYH@HEAENG.COM</u>	Zip: <u>78664</u> FAX:
9.	Project Location:	
	 ☐ The project site is located inside the city limits ☐ The project site is located outside the city limit jurisdiction) of ☐ The project site is not located within any city's 	s but inside the ETJ (extra-territorial
10.	The location of the project site is described bel detail and clarity so that the TCEQ's Regional so boundaries for a field investigation.	
	APPRX 500' SOUTHEAST OF THE INTERSECTION (US 183) AND LITTLE ELM TRAIL	OF THE INTERSECTION AT S. BELL BLVD
11.	Attachment A – Road Map. A road map show project site is attached. The project location are the map.	=
12.	Attachment B - USGS / Edwards Recharge Zon USGS Quadrangle Map (Scale: 1" = 2000') of th The map(s) clearly show:	
	 ☑ Project site boundaries. ☑ USGS Quadrangle Name(s). ☑ Boundaries of the Recharge Zone (and Trangle) ☑ Drainage path from the project site to the Boundaries 	
13.	The TCEQ must be able to inspect the project Sufficient survey staking is provided on the pro the boundaries and alignment of the regulated features noted in the Geologic Assessment.	ject to allow TCEQ regional staff to locate

	Sur	rvey staking will be completed by this date:
14. 🔀	na	rachment C – Project Description. Attached at the end of this form is a detailed rrative description of the proposed project. The project description is consistent oughout 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. Ex	istin	g 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:
Prol	hib	oited Activities
16. 🔀	_	m aware that the following activities are prohibited on the Recharge Zone and are not oposed 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. 🔀		m aware that the following activities are prohibited on the Transition Zone and are

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

GENERAL INFORMATION

Attachments to form TCEQ-0587

ATTACHMENT A - ROAD MAP

See Attached Road Map

<u>ATTACHMENT B - USGS QUADANGLE MAP</u>

See Attached USGS Map

ATTACHMENT C - PROJECT DESCRIPTION

The Twin Lakes Pavilion and Adventure Park Project is an addition to the Twin Lakes Park Property complex located at 204 East Little Elm Trail in Cedar Park Texas. The Park Sie is 56.07 acres within the Buttercup Creek Watershed. Currently the Park has 12 .8 acres of impervious cover (22.8%). The Project is primarily a new singles story enclosed pavilion building and Ropes Course. This Project adds 106,286.4 sq. ft. (2.44 acs.) of impervious cover including the building, Ropes Course, parking, drives, sidewalks, and utilities (water, wastewater, storm sewer, electric, data/communications. Total completed project impervious cover will be 15.74 acres (28.07).

The Twin Lakes Park Property has been developed under multiple TCEQ Edwards Aquifer permits. The following is a chronology of the permitting:

- The original development of the Property was prior to the adoption of the TCEQ Edwards Rules. Impervious cover was 2.05 acs.
- A Contributing Zone Plan (CZP) was approved on July 19, 2002 under Edwards Aquifer Protection Program (EAPP) Program ID 02061401. This CZP incorporated the use of sediment fore bays with the existing Twin Lake functioning as a wet pond to serve as the BMP for the treatment of the storm runoff. Anticipating development in phases, the BMP was designed under the assumption of up to 14.998 acres (26.75%) of impervious cover. This CZP increased the impervious cover from the existing 2.05 acres of impervious cover to 8.17 acres (14.57%) of impervious cover.
- A modification to the CZP was approved by TCEQ on August 18, 2006 under EAPP Program ID 02061401A. The modification increased the impervious cover to 8.63 acres (15.39%).
- A modification to the CZP was approved by TCEQ on March 7, 2012 under EAPP Program ID 11-12012001. The modification increased the impervious cover to a total of 9.12 acres (16.27%).
- An exception was approved to the CZP by TCEQ on September 9, 2014 under EAPP Program ID 11-14060601. This exception increased the impervious cover to 12.37 acres (22.06%).

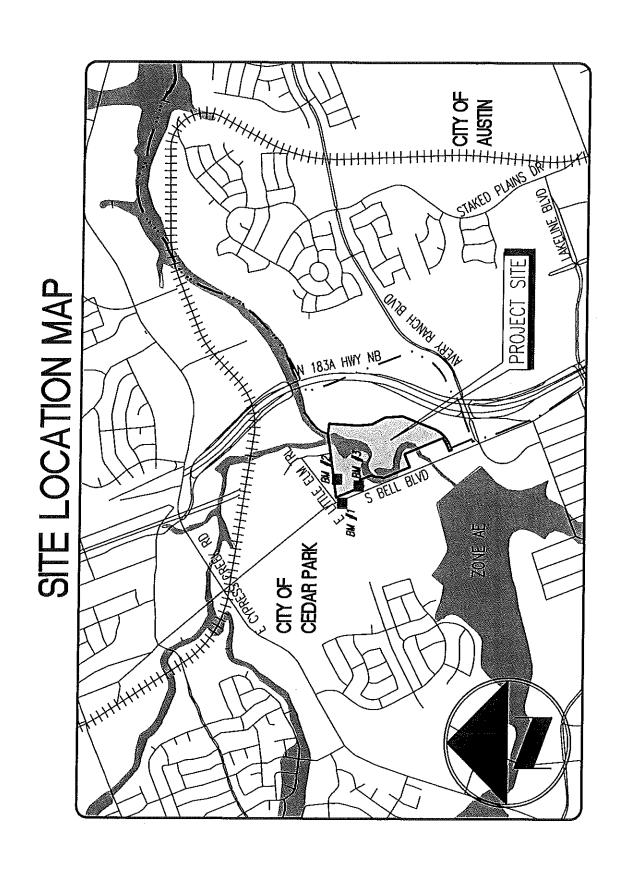
GENERAL INFORMATION

Attachments to form TCEQ-0587

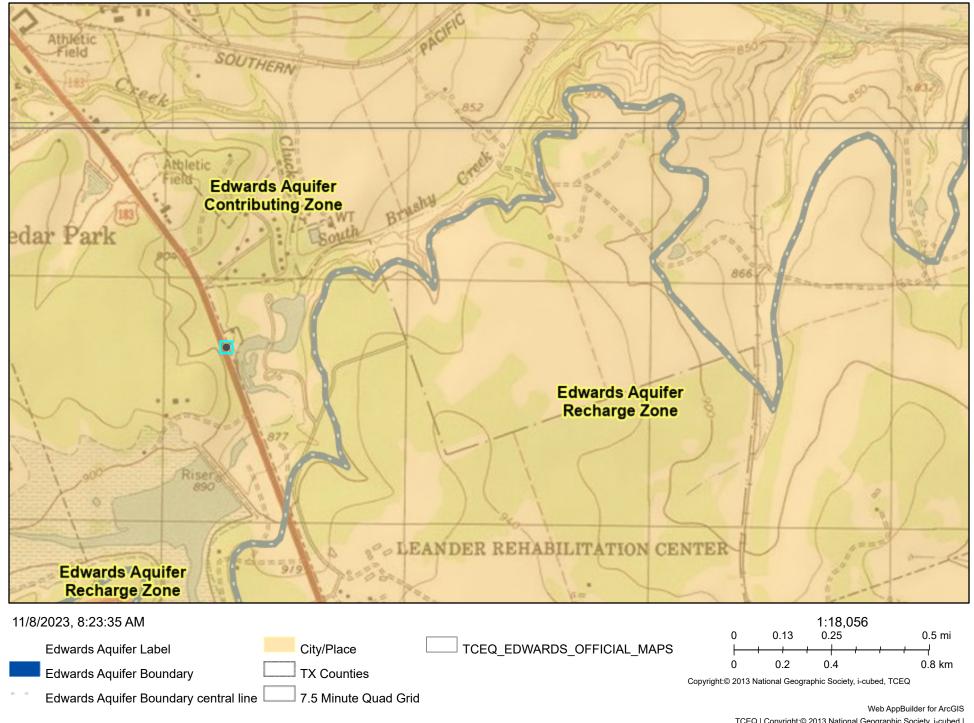
- An exception was approved to the plan by TCEQ on February 4, 2020 under EAPP Program ID 11001799. This exception increased the impervious cover to 12.57 acres (22.42%)
- Since a portion of the Property is within the Recharge Zone and the remaining in the Contributing Zone, an exception was approved to a WPAP by TCEQ on March 11, 2022 under EAPP Program ID 11002818. This exception increased the impervious cover to 12.68 acres (22.62%)
- An exception was approved to the plan by TCEQ on September 8, 2023 under EAPP Program ID 11003663. This exception increased the impervious cover to 12.8 acres (22.8%)

The original CZP (approved in 2002) incorporated the use of sediment forebays and the existing lake functioning as a wet pond as the BMP for the treatment of the storm runoff. The BMPs were designed under the assumption of future development of the site of up to 15 acres (26.75%) of impervious cover. The current project is increasing the impervious cover by 0.74 acres more than the 2002 assumption of 15.0 acres. Per Sheet C8 of the original 2002 Contributing Zone Plan construction documents as noted in the "Summary of Water Quality Design Parameters for the Entire 56.068 acre Site", stated that "With the requirement for the entire 56.068 acre site at 26.75% impervious (14.998 acres) equaling 63,500 cubic feet of volume, the lake with probably several million cubic feet and 525,333 cubic feet in the first foot of volume very easily handles the requirements and demonstrates that, even with the lake being an online basin, there is adequate water quality treatment capacity. In addition, the lake has 5 sediment forebays at various locations downstream of impervious providing pretreatment for trash, debris, and primary sediment control.

Under the current Calculation Template, the required water quality volume is 67866 cubic feet which represents only 12.92% of the first foot of volume thereby providing adequate water quality treatment. The current project contributes to Sediment Forebay #2 as shown on Sheet C302. This sediment forebay is required to provide 1,798 cubic feet of storage as shown on Sheet CALC2. The existing capacity as built is 2,764 cubic feet.



Edwards Aquifer Viewer Custom Print



Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: TERRY R. HAGOOD

Date: <u>11/14/23</u>

Signature of Customer/Agent:

Project Information

1.	Current Regulated Entity Name: TWIN LAKES PARK PAVILION
	Original Regulated Entity Name: TWIN LAKES PARK
	Regulated Entity Number(s) (RN): 102730918
	Edwards Aquifer Protection Program ID Number(s): 11002818
	The applicant has not changed and the Customer Number (CN) is: 604310854
	The applicant or Regulated Entity has changed. A new Core Data Form has been
	provided.

2. Attachment A: Original Approval Letter and Approved Modification Letters. A copy of the original approval letter and copies of any modification approval letters are attached.

 A modification of a previously approved plan is requested for (check all that apply):		
	ete the information for each ac	
WPAP Modification	Approved Project	Proposed Modification
Summary		
Acres	<u>56.07</u>	<u>56.07</u>
Type of Development	Park	<u>Park</u>
Number of Residential	<u>N/A</u>	N/A
Lots		
Impervious Cover (acres)	<u>12.8</u>	<u>15.74</u>
Impervious Cover (%	<u> 22.8</u>	<u>28.07</u>
Permanent BMPs	Wet Pond	Wet Pond
Other		
SCS Modification	Approved Project	Proposed Modification
Summary		
Linear Feet		
Pine Diameter		

Other

AST I	Modification	Approved Project	Proposed Modification
Sumi	mary		
Num	ber of ASTs		
Volu	me of ASTs		
Othe	r		
UST	Modification	Approved Project	Proposed Modification
Sumi	mary		
Num	ber of USTs		
Volu	me of USTs		
Othe	r		
5.	the nature of the propose	of Proposed Modification. A detail discondification is attached. It discondifications, and how this proposed	usses what was approved,
6.	the existing site developmed modification is attached. modification is required e The approved construction any subsequent modification document that the ap The approved construction illustrates that the site illustrates that	te Plan of the Approved Project. nent (i.e., current site layout) at the A site plan detailing the changes p Isewhere. ction has not commenced. The or fication approval letters are includ- proval has not expired. ction has commenced and has bee was constructed as approved. ction has commenced and has bee was not constructed as approved ction has commenced and has not es that, thus far, the site was cons ction has commenced and has not	e time this application for proposed in the submitted iginal approval letter and ed as Attachment A to en completed. Attachment Concern completed attachment Concern completed attachment Concern completed. It is been completed.
		es that, thus far, the site was not o	
7. L	provided for the new acre	red plan has increased. A Geologic rage. ed to or removed from the approv	
8.	needed for each affected county in which the project	d one (1) copy of the application, proceeding the incorporated city, groundwater concept will be located. The TCEQ will does not support the copies must be submitted	nservation district, and istribute the additional

MODIFICATION TO A PREVIOUSLY APPROVED WATER POLLUTION ABATEMENT PLAN

Attachments to form TCEQ-0590

<u>ATTACHMENT A – Original Approval Letter and Approved Modification Letters</u>

SEE ATTACHED

ATTACHMENT B - Narrative of Proposed Modification

The original Wet Pond BMP was constructed as part of the original Contributing Zone Plan application approved July 19, 2002. Multiple A modification was approved as of August 18, 2006. Multiple Exception Requests have been approved as noted below in the Project Description to accommodate additional development of buildings, parking, drives, and sidewalks. This project modification is consistent with previous development within the site and does not require any additional permanent BMPs as the existing wet pond and associated sediment forebays as constructed provide adequate water quality treatment capacity.

ATTACHMENT C - Project Description

The Twin Lakes Pavilion and Adventure Park Project is an addition to the Twin Lakes Park Property complex located at 204 East Little Elm Trail in Cedar Park Texas. The Park Site is 56.07 acres within the Buttercup Creek Watershed. Currently the Park has 12.8 acres of impervious cover (22.8%). The Project is primarily a new singles story enclosed pavilion building and Ropes Course. This Project adds 106,286.4 sq. ft. (2.44 acs.) of impervious cover including the building, Ropes Course, parking, drives, sidewalks, and utilities (water, wastewater, storm sewer, electric, data/communications. Total completed project impervious cover will be 15.74 acres (28.07).

The Twin Lakes Park Property has been developed under multiple TCEQ Edwards Aquifer permits. The following is a chronology of the permitting:

- The original development of the Property was prior to the adoption of the TCEQ Edwards Rules. Impervious cover was 2.05 acs.
- A Contributing Zone Plan (CZP) was approved on July 19, 2002 under Edwards Aquifer Protection Program (EAPP) Program ID 02061401. This CZP incorporated the use of sediment fore bays with the existing Twin Lake functioning as a wet pond to serve as the BMP for the treatment of the storm runoff. Anticipating development in phases, the BMP was designed under the assumption of up to 14.998 acres (26.75%) of impervious cover. This CZP increased the impervious cover from the existing 2.05 acres of impervious cover to 8.17 acres (14.57%) of impervious cover.
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MODIFICATION TO A PREVIOUSLY APPROVED WATER POLLUTION ABATEMENT PLAN

Attachments to form TCEQ-0590

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- An exception was approved to the plan by TCEQ on February 4, 2020 under EAPP Program ID 11001799. This exception increased the impervious cover to 12.57 acres (22.42%)
- Since a portion of the Property is within the Recharge Zone and the remaining in the Contributing Zone, an exception was approved to a WPAP by TCEQ on March 11, 2022 under EAPP Program ID 11002818. This exception increased the impervious cover to 12.68 acres (22.62%)
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Robert J. Huston, *Chairman*R. B. "Ralph" Marquez, *Commissioner*Kathleen Hartnett White, *Commissioner*Jeffrey A. Saitas, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

July 19, 2002

Mr. Greg Boatright County Commissioner Williamson County Precinct #2 350 Discovery Blvd., Suite 201 Cedar Park, Texas 78613



Re:

Edwards Aquifer, Williamson County

NAME OF PROJECT: Twin Lakes Park Trail Head Parking and YMCA Site Improvements; East of the Intersection of US 183 and Kent Lane; Cedar Park, Texas

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

Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program File No. 02061401

Dear Mr. Boatright:

The Texas Natural Resource Conservation Commission (TNRCC) has completed its review of the CZP application for the referenced project submitted to the Austin Regional Office by Baker-Aicklen & Associates, Inc. on behalf of Williamson County on June 14, 2002. As presented to the TNRCC, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Contributing Zone Plan. A motion for reconsideration must be filed no later than 20 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10% of the construction has commenced on the project or an extension of time has been requested.

PROJECT DESCRIPTION

The proposed commercial and park project will be located on 56.1 acres and will consist of a public park and a YMCA branch facility with parking lots and a swimming pool. The project will be developed in four phases. This plan and approval is for phases 1, 2, and 3. Phases 1-3 will disturb 13.1 acres of the total site. Phase 4 will primarily be parkland. The impervious cover for phases 1-3 will be 8.2 acres (14.6% of the total project area including phase 4). Project wastewater will be disposed of by conveyance to the existing City of Cedar Park Wastewater Treatment Plant.

Mr. Greg Boatright Page 2 July 19, 2002

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent pollution of stormwater runoff originating on-site or up-gradient of the site and potentially flowing across and off the site after construction, an existing lake will be used as a water quality basin. The top one foot of the lake provides a water quality volume of 525,333 cubic feet. Two new sediment forebays will be constructed to capture and trap sediment. The sediment forebays are designed to capture 20% of the water quality volume from the drainage areas contributing to each forebay. Flows from the forebays will perk into the wet basin through gabion walls and aquatic plants. The approved measures meet the required 80 percent removal of the increased load in total suspended solids caused by the project.

SPECIAL CONDITIONS

- I. Intentional discharges of sediment laden stormwater are not allowed. If dewatering excavated areas becomes necessary, a plan for removing the sediment load from the discharge must be submitted to the Austin Regional Office prior to initiating any discharges. The plan must propose how the discharge will be filtered through appropriately selected temporary best management practices. These may include vegetative filter strips, sediment traps, rock berms, silt fence rings, etc.
- II. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

- 2. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project until all regulated activities are completed.
- 3. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
- 4. The applicant must provide written notification of intent to commence construction of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the

Mr. Greg Boatright Page 3 July 19, 2002

name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

5., Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. The proposed sediment forebays shall be used as a sedimentation basin during construction. The TNRCC may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

- 6. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 7. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).
- 8. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 9. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

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

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

If you have any questions or require additional information, please contact Mr. Michael Daniels, P.E. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,

Jeffrey A. Saitas, P.E. Executive Director

Texas Natural Resource Conservation Commission

JAS/mjd

Enclosures: Change in Responsibility for Maintenance on Permanent BMPs-Form TNRCC-10263

Cc: Mr. Joe Baker, P.E., Baker-Aicklen & Associates, Inc., Cedar Park, Texas

The Honorable John Doerfler, County Judge, Williamson County

Mr. Paulo Pinto, R.S., Williamson County & Cities Health District, Georgetown, Texas

Mr. Sam Roberts, P.E., Director of Public Works, City of Cedar Park

Central Records TNRCC Information Resources, Austin, Texas



RECEIVED
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 18, 2006

Mr. Greg Boatright County Commissioner Williamson County Precinct #2 350 Discovery Blvd., Suite 201 Cedar Park, Texas 78613

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Twin Lakes Park; East of the Intersection of US 183 and Kent Lane;

Cedar Park, Texas

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

Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program File No. 02061401A

Dear Mr. Boatright:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the referenced project submitted to the Austin Regional Office by Baker-Aicklen & Associates, Inc. on behalf of Williamson County on July 20, 2006. Final review of the CZP submittal was completed after additional material was received on August 1, 2006. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Contributing Zone Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10% of the construction has commenced on the project or an extension of time has been requested.

PROJECT DESCRIPTION

The proposed commercial and park project will increase the impervious cover by 0.46 acres from 8.17 acres to 8.63 acres. The project will include multi-purpose sport courts, sidewalks, an

REPLY TO: REGION 11 ● 1921 CEDAR BEND DR., STE. 150A • AUSTIN, TEXAS 78758-5327 • 512/339-2929 • FAX 512/339-3795

Mr. Greg Boatright Page 2 August 18, 2006

information area, a future restroom facility and pavilion. The new total impervious cover will be approximately 8.63 acres (15.42 percent). Project wastewater will be disposed of by conveyance to the existing City of Cedar Park Wastewater Treatment Plant owned by the City of Cedar Park.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent pollution of stormwater runoff originating on-site or up-gradient of the site and potentially flowing across and off the site after construction, vegetative filter strips will filter the stormwater from the new impervious cover.

SPECIAL CONDITIONS

- I. Intentional discharges of sediment laden stormwater are not allowed. If dewatering excavated areas becomes necessary, the discharge will be filtered through appropriately selected temporary best management practices. These may include vegetative filter strips, sediment traps, rock berms, silt fence rings, etc.
- II. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

- 2. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project until all regulated activities are completed.
- 3. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.

Mr. Greg Boatright Page 3 August 18, 2006

- 4. The applicant must provide written notification of intent to commence construction of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
- 5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. The proposed sediment forebays shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

- 6. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 7. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).
- 8. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

Mr. Greg Boatright Page 5 August 18, 2006

14. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact Mr. Michael Daniels, P.E. of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,

Glenn Shankle

Executive Director

Texas Commission on Environmental Quality

GS/mjd

cc: VMr. Fred Ramirez, P.E., Baker-Aicklen & Associates, Inc., Cedar Park

Mr. Sam Roberts, P.E., Director of Public Works, City of Cedar Park

The Honorable John C. Doerfler, County Judge, Williamson County

Mr. Joe M. England, P.E., County Engineer, Williamson County

Mr. Paulo C. Pinto, B.S., R.S., Director of Environmental Services, Williamson County & Cities Health District

Central Records, TCBQ Information Resources Division, Austin

Bryan W. Shaw, Ph.D., Chairman Buddy Garcia, Commissioner Carlos Rubinstein, Commissioner Mark R. Vickery, P.G., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution
March 7, 2012

Mr. Jeff Andresen YMCA of Greater Williamson County 1812 North Mays St., P.O. Box 819 Round Rock, Texas 78680

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Twin Lakes Park; Located at South Bell Blvd 183 and East Little Elm

Trail; Cedar Park, Texas

TYPE OF PLAN: Request for an Exception from the Requirements of a Contributing Zone Plan

(CZP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11-12012001; Investigation No. 988526; Regulated

Entity No. RN102730918

Dear Mr. Andresen:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the Request for an Exception from the Requirements of a CZP Application for the above-referenced project submitted to the Austin Regional Office by Baker-Aicklen & Associates Inc. on behalf of the YMCA of Greater Williamson County on January 20, 2012. Final review of the Exception Request was completed after additional material was received on February 23, 2012. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

PROPOSED EXCEPTION

The exception request is for the construction of additional facilities on the existing YMCA site located at 204 East Little Elm Trail in Cedar Park, Texas. The 56.07 acre site has an existing Contributing Zone Plan (EAPP ID No. 11-02061401). The original Contributing Zone Plan incorporated the use of sediment forebays and a lake that functions as a wet pond for treatment of runoff. The BMPs were designed under the assumption that the site could potentially be

Mr. Jen Andresen Page 2 March 7, 2012

developed with up to 15 acres (26.75 percent) impervious cover. The site as originally approved had 8.17 acres (14.57 percent) impervious cover. A Modification approved on August 18, 2006 (EAPP ID No. 11-02061401A) increased the impervious cover on site to 8.63 acres (15.39 percent). This exception request is for proposed additions to the site including the construction of a natatorium, a teen center, and an aerobics room. The additional structures will introduce approximately 0.49 acres of impervious cover. These additions will bring the total impervious cover on site to 9.12 acres (16.27 percent).

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a wet pond with sediment forebays, has been constructed. An impervious cover amount of 15.03 acres (26.75 percent) was assumed in water quality design. The required water quality volume is 63,500 cubic feet (525,333 cubic feet are provided). The required volume of the forebay that will accept runoff from the improved portions of the site is 762 cubic feet (2,764 cubic feet are provided). The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

- 4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Exception Request and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- 5. Modification to the activities described in the referenced Exception Request application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
- 6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the

Mr. Јеп Andresen Page 3 March 7, 2012

- contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
- 7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Exception Request, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

- 8. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 9. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.
- 10. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 11. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 12. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

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

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

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

If you have any questions or require additional information, please contact Mr. Robert Sadlier of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,

Mark R. Vickery, P.G., Executive Director

Texas Commission on Environmental Quality

MRV/rcs

Enclosure:

Change in Responsibility for Maintenance of Permanent BMPs, Form TCEO-

10263

cc:

Mr. Daniel Hart, P.E., Baker-Aicklen & Associates, Inc.

Mr. Joe M. England, P.E., Williamson County Engineer

Mr. Sam Roberts, P.E., City of Cedar Park TCEQ Central Records, Building F, MC 212

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 9, 2014

Mr. Jeff Andresen YMCA of Greater Williamson County 1812 North Mays Street, P.O. Box 819 Round Rock, Texas 78664

Re: Edwards Aquifer, Williamson County

> Twin Lakes Park; Located approximately 500 feet east of the intersection of South Bell Blvd and Little Elm Trail; Cedar Parl, Texas

> Request for Approval of a Contributing Zone Exception Request; 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

> Edwards Aquifer Protection Program ID No. 11-14060601; Investigation No. 1172870;

Regulated Entity No. RN102730918

Dear Mr. Andresen:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the Contributing Zone Exception Request application for the above-referenced project submitted to the Austin Regional Office by Hagood Engineering Associates on behalf of YMCA of Greater Williamson County on June 6, 2014. Final review of the application was completed after additional materials were received on September 5, 2014. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

A Contributing Zone Plan (CZP) for the Twin Lakes Park Trail Head and YMCA Site Improvements was approved by letter dated July 19, 2002 (EAPP ID No.: 11-02061401). This application included the 56.1 acres site. Site impervious cover was increased to approximately 8.17 acres with this application. A wet pond was constructed to provide water quality treatment for this development. The wet pond was sized to treat 15 acres of impervious cover (26.75 percent).

Mr. Jeff Andresen Page 2 of 5 September 9, 2014

A modification to the approved CZP application was approved by letter August 18, 2006 (EAPP ID No.: 11-02061401A). This application increased the site impervious cover to 8.63 acres.

A second modification to the approved CZP application was approved by letter March 7, 2012 (EAPP ID No.: 11-12012001). This application increased the site impervious cover to 9.12 acres.

PROJECT DESCRIPTION

The proposed project will include the construction of additional buildings and supporting infrastructure to the existing YMCA complex. The existing pavilion will be enclosed, the existing park road lot will be widened in the "Southside" portion of the property and additional parking spots will be added along it, an existing base parking area will be paved, and water and wastewater utility infrastructure. The total new proposed impervious cover will be 3.25 acres. The total amount of impervious cover located on the site after the proposed improvements will be 12.37 acres. Additionally, improvements to Sediment Forebay #3 and Sediment Forebay #4 are also proposed to meet the forebay requirements. The improvements are located within Drainage Area #3.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an existing wet pond, designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules:</u>

<u>Technical Guidance on Best Management Practices (2005)</u>, will be constructed to treat stormwater runoff. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The water quality pond was designed to treat 15 acres of impervious cover (26.75 percent). According to the approved wet pond designs, the minimum forebay volume required for Drainage Area #3 is 10,908 cubic feet. Sediment Forebay #3 will provide 1,264 cubic feet of storage at elevation 870.50 ft. msl. Sediment Forebay #4 will provide 12,071 cubic feet of storage at 882.00 ft. msl. The combined storage for the two forebays is 13,335 cubic feet.

SPECIAL CONDITIONS

This approval is subject to all special conditions listed in the original approval letter dates July 19, 2002 (EAPP ID No.: 11-02061401).

STANDARD CONDITIONS

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

Mr. Jeff Andresen Page 3 of 5 September 9, 2014

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

Prior to Commencement of Construction:

- 4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- 5. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
- 6. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
- 7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

- 8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 9. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Mr. Jeff Andresen Page 4 of 5 September 9, 2014

- 10. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 11. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
- 13. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment.

After Completion of Construction:

- 14. Owners of permanent BMPs and measures must insure that the BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.
- 15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be

Mr. Jeff Andresen Page 5 of 5 September 9, 2014

submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.

18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

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

Sincerely,

AM AMM

Carolyn Runyon, Water Section Manager Austin Region Office

Texas Commission on Environmental Quality

CDR/taj

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

cc: Mr. Terry R Hagood, P.E., Hagood Engineering Associates
Mr. Joe M. England, P.E., County Engineer, Williamson County
Mr. Sam Roberts, P.E., Director of Public Works, City of Cedar Park

TCEQ Central Records, Building F, MC212

Jon Niermann, Chairman Emily Lindley, Commissioner Bobby Janecka, Commissioner Toby Baker, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 4, 2020

Rich Carlton YMCA of Greater Williamson County 1812 N. Mays Street Round Rock, TX 78664

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: Twin Lakes Park; Located at 204 E Little Elm Trl.; Cedar Park, Texas TYPE OF PLAN: Request for an Exception to the Requirements of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer Edwards Aquifer Protection Program ID No. 11001799; Regulated Entity No. RN102730918

Dear Mr. Carlton:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the Exception Request application for the above-referenced project submitted to the Austin Regional Office by Hagood Engineering Associates, Inc. on behalf of YMCA of Greater Williamson County on November 7, 2019. Final review of the Exception Request was completed after additional material was received on January 21, 2020 and January 31, 2020. As presented to the TCEQ, the Exception Request proposed in the submittal is in general compliance with the requirements of 30 TAC Chapter 213. Therefore, the request for exception is hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

A Contributing Zone Plan (CZP) for the Twin Lakes Park Trail Head and YMCA Site Improvements was approved by letter dated July 19, 2002 (EAPP ID No: 11-02061401). This application included the 56.07-acre site. Site impervious cover was increased to approximately 8.17 acres with this application. A wet basin was constructed to provide water quality treatment for this development. The wet basin was sized to treat 15 acres of impervious cover (26.75 percent).

A modification to the approved CZP application was approved by letter August 18, 2006 (EAPP ID No.: 11-02061401A). This application increased the site impervious cover to 8.63 acres.

A second modification to the approved CZP application was approved by letter March 7, 2012 (EAPP ID No.: 11-12012001). This application increased the site impervious cover to 9.12 acres.

A third modification to the approved CZP application was approved by letter September 9, 2014 (EAPP ID No.: 11-14060601). This application increased the site impervious cover to 12.37 acres.

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

Mr. Rich Carlton Page 2 February 4, 2020

PROJECT DESCRIPTION

The proposed non-residential project will have an area of approximately 56.07 acres. It will include an outdoor amphitheater with seating for approximately 200 people, sidewalks, parking, landscaping, and associated appurtenances. Restrooms and drinking water will be provided for at the existing dining hall located across the southside road. The proposed impervious cover of 0.127 acres will increase the total impervious cover of the site to be 12.5 acres (22.29 percent). No wastewater will be generated by this project.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an existing wet basin (11-02061401), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), was constructed to treat stormwater runoff. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The water quality pond was designed to treat 15 acres of impervious cover (26.75 percent). According to the approved wet pond designs the minimum forebay volume required for Drainage Area #3 is 10,908 cubic feet. Sediment Forebay #3 will provide 1,264 cubic feet of storage. Sediment Forebay #4 will provide 12,071 cubic feet of storage. The combined storage for the two forebays is 13,335 cubic feet.

EQUIVALENT WATER QUALITY PROTECTION

The applicant requests an exception to submitting an Edwards Aquifer protection plan or modification required by 30 TAC 213.5 and proposes an exception under 30 TAC 213.9. The proposed development demonstrates equivalent water quality protection for the Edwards Aquifer.

SPECIAL CONDITIONS

- 1. This approval is subject to all special conditions listed in the original approval letter dated July 19, 2002 (EAPP ID No: 11-02061401).
- 2. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- 3. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the Austin Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A

Mr. Rich Carlton Page 3 February 4, 2020

suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved Exception is enclosed.

5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Exception Request and this notice of approval shall be maintained at the project location until all regulated activities are completed.

6. Modification to the activities described in the referenced Exception application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review

and approval prior to initiating construction of the modifications.

7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.

8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Exception, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.

11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.

12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.

13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and

all other locally applicable rules, as appropriate.

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

must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.

15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock

berms, silt fence rings, etc.

16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

18. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

19. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional

regulated activities.

20. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

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

Sincerely,

Robert Sadlier, Section Manager Edwards Aquifer Protection Program

Texas Commission on Environmental Quality

RCS/rbc

Enclosures:

Deed Recordation Affidavit, Form TCEQ-0625

Deed Recordation Affidavit Edwards Aquifer Protection Plan

THE STATE O	OF TEXAS	§		
County of		§		
	RE ME, the undeposes and		day personally appeared	who, being duly
(1)	That my nam	ne is	and that I own the real pro	perty described below.
(2)	That said rea under the 30	al property is subject to an ED Texas Administrative Code	OWARDS AQUIFER PROTECTION (TAC) Chapter 213.	PLAN which was required
(3)			TIONPLAN for said real property warceQ) on	as approved by the Texas
	A copy of th incorporated	ne letter of approval from the letter of approval from the letter of approval from the letter of the letter of approval from the letter of app	he TCEQ is attached to this affid	avit as Exhibit A and is
(4)		I property is located in is as follows:	County, Texas, an	d the legal description of
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THE STATE (OF	§.		
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		NOTARY PUBLIC	*	
		Typed or Printed	Name of Notary	
		MY COMMISSION	I FYDIRES.	

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 11, 2022

Mr. Rich Carlton YMCA of Greater Williamson County 1812 N. Mays St. Round Rock, TX 78664-2126

Re: Edwards Aguifer, Williamson County

NAME OF PROJECT: Twin Lakes Park; Located at 204 E. Little Elm Trl.; Cedar Park, Texas TYPE OF PLAN: Request for an Exception to the Requirements of a Water Pollution Abatement Plan (WPAP-EXC); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer Edwards Aquifer Protection Program ID No. 11002818; Regulated Entity No. RN102730918

Dear Mr. Carlton:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP-EXC application for the above-referenced project submitted to the Austin Regional Office by Hagood Engineering Associates, Inc. on behalf of YMCA of Greater Williamson County on December 7, 2021, Final review of the application was completed after additional material was received on March 9, 2022. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected, and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aguifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

BACKGROUND

A wet basin was approved by the TCEQ on July 19, 2002 (EAPP ID No. 11-02061401). This approval was followed by a CZP approved on August 18, 2006 (EAPP ID No. 11-02061401A), a CZP-EXC approved on March 7, 2012 (EAPP ID No. 11-12012001), a CZP-EXC approved on September 9, 2015 (EAPP ID No. 11-14060601), and a WPAP-EXC on February 4, 2020 (EAPP ID No. 11001799).

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 56.07 acres. It will include a pedestrian bridge, supporting infrastructure, and other associated appurtenances. The impervious cover added by this project will be 0.114 acres, increasing the total to 12.68 acres (22.62 percent). Project wastewater will be disposed of by conveyance to the existing City of Cedar Park Wastewater Treatment Plant.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, an existing wet basin (EAPP ID No. 11-02061401), designed using the TCEQ technical guidance document, <u>Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005)</u>, will be used to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 99 pounds of TSS generated from the 0.144 acres increase of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

GEOLOGY

An Exception to the Geologic Assessment was granted for this project. The TCEQ site assessment conducted on February 1, 2022, did not identify any sensitive geologic features.

SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

STANDARD CONDITIONS

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

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the Austin Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.

Mr. Rich Carlton Page 3 March 11, 2022

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

During Construction:

- 10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
- 12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
- 13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.

Mr. Rich Carlton Page 4 March 11, 2022

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

After Completion of Construction:

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

Mr. Rich Carlton Page 5 March 11, 2022

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

Sincerely, Lillian Butter

Lillian Butler, Section Manager

Edwards Aquifer Protection Program

Texas Commission on Environmental Quality

LIB/sjf

Enclosure: Deed Recordation Affidavit, Form TCEQ-0625

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

cc: Mr. Tom Asuquo, P.E., Hagood Engineering Associates, Inc.

Jon Niermann, *Chairman*Emily Lindley, *Commissioner*Bobby Janecka, *Commissioner*Kelly Keel, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 8, 2023

Mr. Rich Carlton YMCA of Greater Williamson County 1812 North Mays Street Round Rock, Texas, 78664

Re: Approval for an Exception to the requirements of a Water Pollution Abatement Plan

WPAP)

Twin Lakes Park Drainage Improvements; 204 E. Little Elm Trail; Cedar Park, Williamson

County

Edwards Aquifer Protection Program ID: 11003663, RN102730918

Dear Mr. Carlton:

The Texas Commission on Environmental Quality (TCEQ) has completed its review on the application for the above-referenced project submitted to the Edwards Aquifer Protection Program (EAPP) by Hagood Engineering Associates, Inc. on behalf of the applicant, YMCA of Greater Williamson County on August 4, 2023.

As presented to the TCEQ, the application was prepared in general compliance with the requirements of 30 Texas Administrative Codes (TAC) Chapter §213. The measures represented in the application demonstrate equivalent water quality protection for the Edwards Aquifer. Therefore, the application for the construction of the proposed project and methods to protect the Edwards Aquifer are **approved**, subject to applicable state rules and the conditions in this letter.

This approval expires two years from the date of this letter, unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been officially requested. This approval or extension will expire, and no extension will be granted if more than 50 percent of the project has not been completed within ten years from the date of this letter.

The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer protection plan. A motion for reconsideration must be filed in accordance with 30 TAC §50.139.

BACKGROUND

The site has been modified several times with the latest approval EAPP ID 11002818 which increased the site impervious cover to 12.68 acres.

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 56.1 acres and is not expanded. The project will include a building addition and drainage improvements. The impervious cover will be 12.8 acres (22.8 percent). No wastewater will be generated by this project.

Mr. Rich Carlton Page 2 September 8, 2023

EQUIVALENT WATER QUALITY PROTECTION

The applicant requests an exception to submitting an Edwards Aquifer protection plan or modification required by 30 TAC §213.5. The applicant proposes an exception under 30 TAC §213.9. The proposed development demonstrates equivalent water quality protection for the Edwards Aquifer. No exception is granted for prohibited activity.

PERMANENT POLLUTION ABATEMENT MEASURES

No additional permanent BMPs or measures are required for the proposed project. The project is treated by an approved wet basin (EAPP ID 11-02061401).

GEOLOGY

An exception to the Geologic Assessment (GA) requirement was requested and approved. A site assessment was conducted on February 1, 2022 by TCEQ staff, which did not reveal any sensitive features and determined the site was generally as described in the application.

STANDARD CONDITIONS

- 1. The plan holder (applicant) must comply with all provisions of 30 TAC Chapter §213 and all technical specifications in the approved plan. The plan holder should also acquire and comply with additional and separate approvals, permits, registrations or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, Dam Safety, Underground Injection Control) as required based on the specifics of the plan.
- 2. In addition to the rules of the Commission, the plan holder must also comply with state and local ordinances and regulations providing for the protection of water quality as applicable.

Prior to Commencement of Construction:

- 3. Within 60 days of receiving written approval of an Edwards Aquifer protection plan, the plan holder must submit to the EAPP proof of recordation of notice in the county deed records, with the volume and page number(s) of the county record. A description of the property boundaries shall be included in the deed recordation in the county deed records. TCEQ form, Deed Recordation Affidavit (TCEQ-0625), may be used.
- 4. The plan holder of any approved Edwards Aquifer protection plan must notify the EAPP and obtain approval from the executive director prior to initiating any modification to the activities described in the referenced application following the date of the approval.
- 5. The plan holder must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the EAPP no later than 48 hours prior to commencement of the regulated activity. Notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person.
- 6. Temporary erosion and sedimentation (E&S) controls as described in the referenced application, must be installed prior to construction, and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

Mr. Rich Carlton Page 3 September 8, 2023

During Construction:

- 7. If any sensitive feature is encountered during construction, replacement, or rehabilitation on this project, all regulated activities must be **immediately** suspended near it and notification must be made to TCEQ EAPP staff. Temporary BMPs must be installed and maintained to protect the feature from pollution and contamination. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality.
- 8. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
- 9. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge must be filtered through appropriately selected BMPs.

After Completion of Construction:

10. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property or the ownership of the property is transferred to the entity.

The holder of the approved Edwards Aquifer protection plan is responsible for compliance with Chapter §213 and any condition of the approved plan through all phases of plan implementation. Failure to comply with any condition within this approval letter is a violation of Chapter §213 and is subject to administrative rule or orders and penalties as provided under §213.10 of this title (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. Upon legal transfer of this property, the new owner is required to comply with all terms of the approved Edwards Aquifer protection plan.

This action is taken as delegated by the executive director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Kevin Lee Smith, P.E. of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,

Lillian Butler, Section Manager

Lillian Buth

Edwards Aquifer Protection Program

Texas Commission on Environmental Quality

LIB/kls

cc: Mr. Terry Hagood, P.E., Hagood Engineering

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

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

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

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

Signature

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

, s <u>———</u>
Date: <u>11/14/23</u>
Signature of Customer/Agent:
my Ristort
Regulated Entity Name: TWIN LAKES PAVILION PAVILIONS AND ADVENTURE PARK
Donalska d Fatitu Tufawastian

Regulated Entity Information

1. The type of project is:

Print Name of Customer/Agent: TERRY R HAGOOD

,
Residential: Number of Lots:
Residential: Number of Living Unit Equivalents:
Commercial
☐ Industrial
Other:

- 2. Total site acreage (size of property):56.07
- 3. Estimated projected population:500
- 4. The amount and type of impervious cover expected after construction are shown below:

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	105911	÷ 43,560 =	2.43
Parking	526095	÷ 43,560 =	12.08
Other paved surfaces	53628	÷ 43,560 =	1.23
Total Impervious Cover	685634	÷ 43,560 =	15.74

Total Impervious Cover $\underline{15.74}$ ÷ Total Acreage $\underline{56.07}$ X 100 = $\underline{28.1}$ % Impervious Cover

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

For Road Projects Only

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

7.	Type of project:
	 TXDOT road project. County road or roads built to county specifications. City thoroughfare or roads to be dedicated to a municipality. Street or road providing access to private driveways.
8.	Type of pavement or road surface to be used:
	Concrete Asphaltic concrete pavement Other:
9.	Length of Right of Way (R.O.W.): feet.
	Width of R.O.W.: feet. $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$
10.	Length of pavement area: feet.
	Width of pavement area: feet. L x W = $Ft^2 \div 43,560 Ft^2/Acre = acres$. Pavement area acres \div R.O.W. area acres x $100 = \%$ impervious cover.
11.	A rest stop will be included in this project.
	A rest stop will not be included in this project.

TCEQ Executive Dire	ector. Modifications to exis	that do not require approval from the sting roadways such as widening ne-half (1/2) the width of one (1) existing
Stormwater to be	e generated by t	he Proposed Project
volume (quantity) a occur from the prop quality and quantity	nd character (quality) of the cosed project is attached. It are based on the area and	rmwater. A detailed description of the ne stormwater runoff which is expected to The estimates of stormwater runoff d type of impervious cover. Include the struction and post-construction conditions
Wastewater to b	e generated by t	he Proposed Project
14. The character and volu	me of wastewater is showr	n below:
100% Domestic% Industrial% Commingled TOTAL gallons/day	<u>7500</u>	7500Gallons/day Gallons/day Gallons/day
15. Wastewater will be disp	oosed of by:	
On-Site Sewage Fac	ility (OSSF/Septic Tank):	
will be used to to licensing author the land is suita the requirement relating to On-simple Each lot in this passize. The system	reat and dispose of the warity's (authorized agent) wr ble for the use of private so ts for on-site sewage facilitite ste Sewage Facilities. project/development is at l n will be designed by a lice	thorized Agent. An on-site sewage facility astewater from this site. The appropriate ritten approval is attached. It states that ewage facilities and will meet or exceed ties as specified under 30 TAC Chapter 28 least one (1) acre (43,560 square feet) in ensed professional engineer or registered ller in compliance with 30 TAC Chapter
Sewage Collection S	ystem (Sewer Lines):	
to an existing SC	CS. aterals from the wastewate	er generating facilities will be connected er generating facilities will be connected
The SCS was sub The SCS will be s	eviously submitted on omitted with this application submitted at a later date. The total of the control of the	on. The owner is aware that the SCS may not

	The sewage collection system will convey the wastewater to the <u>Brushy Creek Regional Wastewater</u> (name) Treatment Plant. The treatment facility is:
	☑ Existing.☑ Proposed.
16.	. $igorimes$ All private service laterals will be inspected as required in 30 TAC §213.5.
Si	te Plan Requirements
Ite	ms 17 – 28 must be included on the Site Plan.
17.	. \square The Site Plan must have a minimum scale of 1" = 400'.
	Site Plan Scale: 1" = <u>50</u> '.
18.	. 100-year floodplain boundaries:
	 Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled. No part of the project site is located within the 100-year floodplain. The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s):
19.	The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, open space, etc. are shown on the plan.
	The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, open space, etc. are shown on the site plan.
20.	All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):
	There are (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)
	 The wells are not in use and have been properly abandoned. The wells are not in use and will be properly abandoned. The wells are in use and comply with 16 TAC §76.
	igspace There are no wells or test holes of any kind known to exist on the project site.
21.	Geologic or manmade features which are on the site:
	 All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled. No sensitive geologic or manmade features were identified in the Geologic Assessment.
	Attachment D - Exception to the Required Geologic Assessment. A request and justification for an exception to a portion of the Geologic Assessment is attached.

22. 🔀	The drainage patterns and approximate slopes anticipated after major grading activities
23. 🔀	Areas of soil disturbance and areas which will not be disturbed.
24. 🔀	Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
25. 🔀	Locations where soil stabilization practices are expected to occur.
26. 🗌	Surface waters (including wetlands).
	N/A
27.	Locations where stormwater discharges to surface water or sensitive features are to occur.
	There will be no discharges to surface water or sensitive features.
28. 🔀	Legal boundaries of the site are shown.
Adn	ninistrative Information
29. 🔀	Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
30. 🔀	Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

WATER POLLUTION ABATEMENT PLAN APPLICATION

Attachments to form TCEQ-0584

ATTACHMENT A

There are several factors that could affect surface and ground water quality. During construction, fuels and hazardous substances could spill. These spills shall be contained on-site and immediately cleaned up and properly discarded. Any spills or discharges of oil, petroleum products and used oil onto land having a volume greater than 25 gallons also, spills or discharges directly into waters of the state having a quantity sufficient enough to create a sheen, shall be reported immediately to TCEQ at (512) 339-2929 or the State Emergency Response Center at 1-800-832-8224. There are no significant factors proposed which could affect surface and ground water quality relating to the permanent use of the facility.

ATTACHMENT B

The character of the storm water leaving the site shall be filtered and all pollutants will remain onsite. There will be an online wet pond with 5 sediment forebays. The sediment forebays collect stormwater at multiple locations around the lake to collect storm water from developed areas which include primarily buildings, parking areas, drives, and sidewalks. The sediment provides pretreatment of the storm water to collect trash and debris and allow primary sediment to settle out. The outflow from these sediment forebays will be released and discharged into the existing wet pond lake. An outflow structure also provides a detention volume for flood control purposes.

ATTACHMENT C

Attachment C is not required. (Sustainability Letter for OSSF/Septic Tank)

ATTACHMENT D

Attachment D is not required. (Exception to the Geologic Assessment)

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:

Date: <u>11/14/2023</u>
Signature of Customer/Agent:
my Riston
Regulated Entity Name: TWIN LAKES PAVILION PAVILIONS AND ADVENTURE PARK

Project Information

Potential Sources of Contamination

Print Name of Customer/Agent: TERRY R. HAGOOD

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.

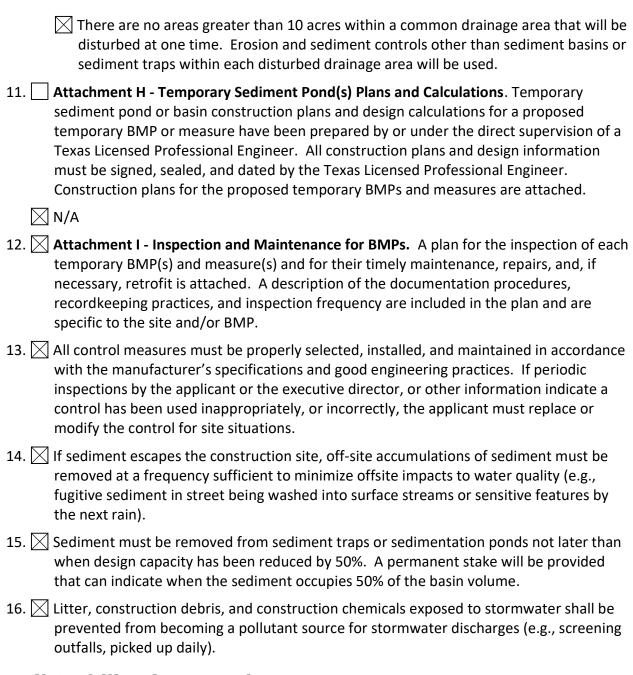
	 Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year. Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
	igstyle igstyle 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.
S	equence of Construction
5.	Attachment C - Sequence of Major Activities. A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
	 For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given. For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
6.	Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: <u>BUTTERCUP CREEK</u>

Temporary Best Management Practices (TBMPs)

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

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

	X 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.



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.

Attachments to form TCEQ-0602

ATTACHMENT A

There are several factors that could affect surface and ground water quality. During construction, fuels and hazardous substances could spill. These spills shall be contained based on conditions noted below per TCEQ Edwards Aquifer Rules: Technical Guidance on Best Management Practices (RG-348) as mentioned below:

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 spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.
- 2. Educate employees and subcontractors on 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.

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 wastes 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 run-off 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.
- 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.

Attachments to form TCEQ-0602

Cleanup

- 1. Clean up leaks and spills immediately.
- 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

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.
- 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:

- 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.

Attachments to form TCEQ-0602

- 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:

http://www.tnrcc.state.tx.us/enforcement/emergency_response.html

Vehicle and Equipment Maintenance

- 1. If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the run-off of stormwater and the runoff of spills.
- 2. Regularly inspect onsite vehicles and equipment for leaks and repair immediately
- 3. Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.
- 4. Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
- 5. Place drip pans or absorbent materials under paving equipment when not in use.
- 6. Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
- 7. Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
- 8. Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
- 9. Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Vehicle and Equipment Fueling

- 1. If fueling must occur on site, use designated areas, located away from drainage courses, to prevent the run-off of stormwater and the runoff of spills.
- 2. Discourage "topping off" of fuel tanks.
- 3. Always use secondary containment, such as a drain pan, when fueling to catch spills/ leaks

ATTACHMENT B

Potential Sources of Contamination:

- 1. Soil disturbance during construction.
- 2. Hydrocarbon-based fluids from Construction Equipment.
- 3. Landscaping Fertilizer and Pesticides.

Attachments to form TCEQ-0602

ATTACHMENT C

Sequence of major activities for each phase is as follows:

- The installation of Erosion/Sedimentation Controls –0.5 Ac. Disturbed
- 2. Clearing, grubbing, and removal of topsoil from entire site 4.75 Ac. Disturbed
- 3. Rough grading and building pad excavation 4.75 Ac. Disturbed
- 4. Excavating for utilities .8 Ac. Disturbed
- 5. Finish grading and landscaping 2.5 Ac. Disturbed

ATTACHMENT D

The Temporary Best Management Practices (TBMP) for this project will consist of:

- 1. A stabilized construction entrance.
- 2. Silt fencing and rock berms around down gradient boundary of site.
- 3. Rock Berm

All TBMP's will be in place prior to any regulated activities commencing. The stabilized construction entrance will remove excess spoils from construction vehicles leaving the site. The silt fencing will collect silt runoff and debris during construction activities. These controls will be maintained during construction and will remain until after all construction activities are complete and permanent re-vegetation is established.

ATTACHMENT F

Due to the limited area of the site, the silt fence will provide control to retain any runoff from the exposed site.

ATTACHMENT G

Refer to the drawings, sheet C50.

ATTACHMENT H

The total site area is 4.75 acres and will not require a temporary sediment pond. However, a portion of the site within the limits of construction drains to an existing sediment pond which serves as a permanent sediment forebay for the wet pond.

ATTACHMENT I

The contractor is required to inspect all of the erosion and sediment controls and fences at weekly intervals and after significant rainfall events to ensure that they are functioning properly. The person(s) responsible for maintenance of controls and fences shall immediately make any necessary repairs to damaged areas. Silt accumulation at controls must be removed when the depth reaches six (6) inches. Records described in the SWPPP must be retained on site for 5 years beyond the date of the cover letter notifying the facility of coverage under a storm water permit, and shall be made available to the state or federal compliance inspection officer upon request. Additionally, employee training records and waste and recycling receipts or vouchers shall also be maintained.

Attachments to form TCEQ-0602

ATTACHMENT J

Schedule of Interim Soil Stabilization Practices:

- 1. Erosion and sediment control measures including perimeter sediment controls must be in place before vegetation is disturbed and must remain in place and be maintained and repaired.
- 2. Temporary stabilization or covering of soil stockpiles and protection of stockpile located away from construction activity must be maintained
- 3. Should construction activities cease for fifteen (15) days or more on any significant portion of the construction site, temporary stabilization is required for that portion of the site to prevent soil and wind erosion until work resumes on that portion of the site.
- 4. Should all construction activities cease for thirty days or more, the entire site must be temporarily stabilized using vegetation or a heavy mulch layer, temporary seeding or other method.

Schedule of Permanent Soil Stabilization Practices:

- 1. Stabilized any unpaved area that is final grade or remain unpaved for the next two weeks. Permanent stabilization may consist of sodding, seeding, or mulching that must be maintained to prevent erosion from the site until re-vegetation has achieved 70% coverage
- 2. Once construction is complete, remove all the pollution prevention measures that were temporary.

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: TERRY R HAGOOD

Date: 11/14/23

Signature of Customer/Agent

Regulated Entity Name: TWIN LAKES PAVILION PAVILIONS AND ADVENTURE PARK

Permanent Best Management Practices (BMPs)

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

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

N/A

2. These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass

loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance

The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs

prepared or accepted by the executive director.

and measures for this site.

	A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is:
	⊠ N/A
3.	Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.
	⊠ N/A
4.	Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
	The site will be used for low density single-family residential development and has 20% or less impervious cover.
	 ☐ The site will be used for low density single-family residential development but has more than 20% impervious cover. ☐ The site will not be used for low density single-family residential development.
5.	The executive director may waive the requirement for other permanent BMPs for multifamily residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
	 Attachment A - 20% or Less Impervious Cover Waiver. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached. ☐ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover. ☐ The site will not be used for multi-family residential developments, schools, or small
_	business sites.
6.	Attachment B - BMPs for Upgradient Stormwater.

		 A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached. No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached. Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.
7.	\boxtimes	
		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
	\boxtimes	N/A

ins	tachment G - Inspection, Maintenance, Repair and Retrofit Plan. A plan for the spection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and easures 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/	
re	ctachment H - Pilot-Scale Field Testing Plan. Pilot studies for BMPs that are not cognized by the Executive Director require prior approval from the TCEQ. A plan for lot-scale field testing is attached.
x N/	'A
of an an cre by	ttachment I -Measures for Minimizing Surface Stream Contamination. A description 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 eation of stronger flows and in-stream velocities, and other in-stream effects caused the regulated activity, which increase erosion that results in water quality egradation.
\boxtimes N/	'A
Respo	nsibility for Maintenance of Permanent BMP(s)
=	bility for maintenance of best management practices and measures after ion is complete.
un en ov ov re	the applicant is responsible for maintaining the permanent BMPs after construction at it such time as the maintenance obligation is either assumed in writing by another at ity having ownership or control of the property (such as without limitation, an wher's association, a new property owner or lessee, a district, or municipality) or the whership of the property is transferred to the entity. Such entity shall then be sponsible for maintenance until another entity assumes such obligations in writing or whership is transferred.
□ N,	/A
ap mı or	copy of the transfer of responsibility must be filed with the executive director at the opropriate regional office within 30 days of the transfer if the site is for use as a ultiple single-family residential development, a multi-family residential development, a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.
\boxtimes N/	'A

PERMANENT STORMWATER SECTION

Attachments to form TCEQ-0600

ATTACHMENT A

This attachment is not needed. (20% or less Impervious Cover Waiver)

ATTACHMENT B

Water quality will be provided by one wet pond (with 5 sediment forebays) BMP. Please refer to Sheet DDA1 and DDA2. There are two up gradient drainage areas which will bypass the site drainage areas.

ATTACHMENT C

One wet basin will be used to prevent pollution of surface water or ground water originating onsite.

ATTACHMENT D

There are no surface streams, sensitive features or aquifer entrance points on this site. The water quality pond will significantly reduce the pollutants being released to downstream to Buttercup Creek.

ATTACHMENT E

This attachment is not needed. (Request to Seal Features)

<u>ATTACHMENT F</u>

See attached drawings. (Construction Plans)

ATTACHMENT G

See attached maintenance plan for the pond. (TCEQ-0589).

ATTACHMENT H

This attachment is not needed. (Pilot-Scale Field Testing Plan)

ATTACHMENT I

All flows from the site will be conveyed through a private storm sewer system to the existing sediment forebay #2.

Agent Authorization Form

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

1	JEFF ANDRESEN				
Print Name					
	PRESIDENT				
	Title - Owner/President/Other				
of	YMCA OF CENTRAL TEXAS Corporation/Partnership/Entity Name				
have authorized	TERRY R. HAGOOD Print Name of Agent/Engineer				
of	HAGOOD ENGINEERING ASSOCIATES, INC. Print Name of Firm				

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

I also understand that:

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

SIGNATURE PAGE:

Approant's Signature

// - /3 - 23 Date

THE STATE OF TEXAS §

County of NAKAMION §

BEFORE ME, the undersigned authority, on this day personally appeared whose 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 3th day of November, 2023.

MARIA T. BASCIANO
Notary Public, State of Texas
Comm. Expires 04-05-2026
Notary ID 133688552

March R NOTARY PUBLIC

Mana T. Basciano
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 04-05 - 2024

Application Fee Form

Texas Commission on Environmental Quality Name of Proposed Regulated Entity: TWIN LAKES PAVILION PAVILIONS & ADVENTURE PARK									
Regulated Entity Location: <u>1812 N. MAYS ROUND ROCK, TEXAS 78664</u>									
Name of Customer: YMCA OF GREATER WILLIAMSON COUNTY									
Contact Person: <u>JEFF ANDRESEN</u> Phone: <u>512.615.5530</u>									
Customer Reference Number (if issued):CN <u>601387905</u>									
Regulated Entity Reference Number (if issued):RN <u>102730918</u>									
Austin Regional Office (3373)									
Hays	Travis	⊠wil	liamson						
San Antonio Regional Office (33	<u> </u>	_							
Bexar	Medina	Uva	alde						
Comal	Kinney								
Application fees must be paid b		r monev order, pavable	e to the Texas						
Commission on Environmental	•								
form must be submitted with your fee payment. This payment is being submitted to:									
X Austin Regional Office	n Antonio Regional Of	fice							
Mailed to: TCEQ - Cashier	Ov	vernight Delivery to: TCEQ - Cashier							
Revenues Section	2100 Park 35 Circle								
Mail Code 214	Ві	Building A, 3rd Floor							
P.O. Box 13088	Au	Austin, TX 78753							
Austin, TX 78711-3088	(5	(512)239-0357							
Site Location (Check All That A	oply):								
Recharge Zone	Contributing Zone	Transit	ion Zone						
Type of I	Plan	Size	Fee Due						
Water Pollution Abatement Pla	an, Contributing Zone								
Plan: One Single Family Reside	ntial Dwelling	Acres	\$						
Water Pollution Abatement Pla									
Plan: Multiple Single Family Re	Acres	\$							
Water Pollution Abatement Pla									
Plan: Non-residential	5.72 Acres	\$ 5,000.00							
Sewage Collection System	L.F.	\$							
Lift Stations without sewer line	Acres	\$							
Underground or Aboveground	Tanks	\$							

Signature MM &

Each \$

Each \$ Each \$

Piping System(s)(only)

Extension of Time

Exception

Date: ____11/14/23

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150



TCEQ Core Data Form

TCEQ Use Only

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

S	\mathbf{E}	C	T	I	U	1	١.	l:	Genera		ln	for	ma	tion
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		sion (If other is	•		•	•	,				
			•						program application	n.)	
	•	ata Form should		the rene	wal fori	m) [Otl				
2. Customer CN 6013		e Number <i>(if iss</i>		or CN or R Central	N numb	ers in			d Entity Reference 730918	ce Number	(if issued)
ECTION	II: Cu	stomer Info	rmation			,					
4. General C	ustomer	Information	5. Effective Da	te for Cu	stome	r Inforn	nation	Updat	es (mm/dd/yyyy)	11/09	/2021
New Cus		me (Verifiable wit		date to Cu etary of S				oller o	Change in Public Accounts)	•	Entity Ownership
The Custo	mer Na	me submitted	here may be	updated	d auto	matic	ally b	ased	on what is cu	rrent and	active with the
Texas Sec	retary o	f State (SOS)	or Texas Con	nptrolle	r of P	ublic /	Αςςοι	ınts (CPA).		
6. Customer	Legal Na	me (If an individua	l, print last name fir	rst: eg: Doe	, John)		<u>If r</u>	new Cu	stomer, enter previ	ous Custome	er below:
Young M	ens Chr	istian Associa	ation of Cen	tral Tex	as						
7. TX SOS/C 56638201	PA Filing		8. TX State Tax 174220655	x ID (11 dig				Federa	al Tax ID (9 digits)	10. DUN	S Number (if applicable)
			<u> </u>		1. 12. 1.1		/-				
11. Type of 0		•			Individ				rtnership: Gener	al Limited	
12. Number		County Federal	」State		Sole P	Proprieto			Other: YMCA pendently Owned	and Onera	ted?
0-20	21-100	101-250	251-500	⊠ 501 a	nd high	ner		Yes	⊠ No	and Opera	itou i
14. Custome	er Role (Pi	roposed or Actual) -	- as it relates to the	Regulated	l Entity l	listed on	this for	m. Plea	se check one of the	following:	
⊠Owner ☐Occupation	onal Licens	☐ Opera	tor Insible Party			& Opera		plicant	☐Other:		
	YMC	A of Central 7	Γexas								
15. Mailing Address:	1812 1	N Mays Stree	t								
Addiess.	City	Round Rock	ζ	State	TX		ZIP	786	64	ZIP + 4	2126
16. Country	Mailing Ir	iformation (if outsi	de USA)			17. E	-Mail A	ddres	S (if applicable)		1
18. Telephoi	ne Numbe	r	19). Extensi	on or (Code			20. Fax Numbe	r (if applical	ole)
()	-								() -		
ECTION	III. B	egulated En	tity Inform	ation							
		_	•		ty" is se	elected	below	this for	m should be acco	mpanied by	a permit application)
New Reg	_	•	to Regulated Ent		-				Entity Information		. , ,
•		•		•	ed in	order	to m	eet T	CEQ Agency D	ata Stand	dards (removal
		endings such		•	, ,		, ,				
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TCEQ-10400 (04/15) Page 1 of 2

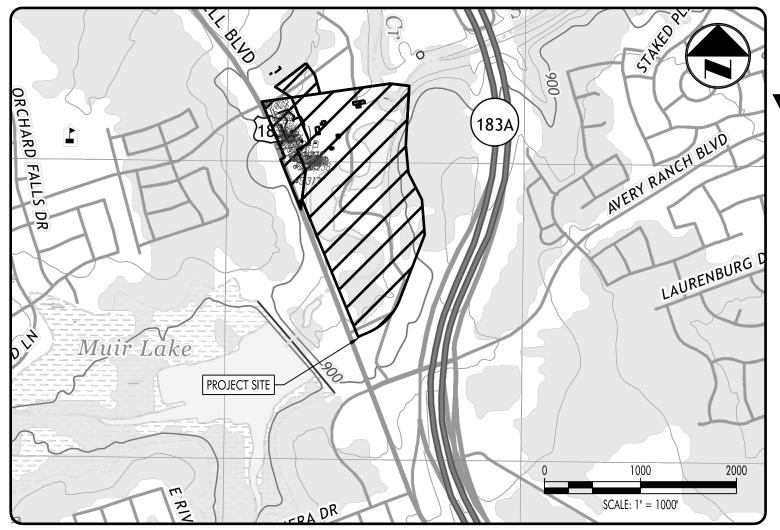
23. Street Address of	1500 S	. BELL BLV	'D							
the Regulated Entity:										
(No PO Boxes)	City	Cedar Par	k State	TX	Z	<u>Z</u> IP	7861	13	ZIP + 4	
24. County	Willian	nson		'	'		1		•	
	E	nter Physical Lo	cation Descript	ion if no	street a	ddress	is provid	ed.		
25. Description to Physical Location:	1 4 4	ximately 500' Elm Trail	southeast of	the int	ersecti	on of	South	Bell Bo	ulevard (U	S 183) and
26. Nearest City							State		Nea	rest ZIP Code
Cedar Park							TX		786	513
27. Latitude (N) In De	cimal:	30.493877			28. Lon	gitude (W) In I	Decimal:	-97.80960)6
Degrees	Minutes		Seconds		Degrees			Minutes		Seconds
30		29	38			-97		4	18	35
29. Primary SIC Code (1 digits) 30	. Secondary SIC	Code (4 digits)		rimary N	NAICS C	ode		condary NAI	CS Code
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33. What is the Primary	Rusiness of	this entity? //	Do not repeat the SIC	Cor NAICS	description	1				
oo. What is the i inhary	Dusiness of	tino citaty : (o not repeat the Sic	O NAICO	a c sonption	·)				
34. Mailing										
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	hone Numbe	r	37. Exten	sion or C	ode		38.	Fax Numl	ber (if applica	able)
() -	•	011 2/(011	0.0 0. 0				() -	
9. TCEQ Programs and I	D Numbers (Check all Programs	and write in the pe	ermits/regis	stration nu	ımbers th	at will be	affected by t	he updates sub	mitted on this
orm. See the Core Data Form	instructions for	additional guidano	ce.							
☐ Dam Safety	District	S	Edwards Aqu	uifer	<u> </u>	Emissions	Inventory	/ Air L	Industrial Ha	zardous Waste
☐ Municipal Solid Waste	□ Now Co	ource Review Air	11-003663 ☐ OSSF			Datralaum	Storage	Tonk [] PWS	
Municipal Solid waste	☐ INEW St	Durce Review All	□ 0991		<u> </u>	etroleum	Storage	Tank L		
Sludge	☐ Storm \		☐ Title V Air			Tires			Used Oil	
					 					
☐ Voluntary Cleanup	☐ Waste	Water	☐ Wastewater /	Agriculture	: U	Nater Rig	hts		Other:	
SECTION IV: Pr	enarer In	formation	ı		1			•		
	EL SAENZ				41. Title	ı 1	PROIE		ISTANT	
42. Telephone Number			4. Fax Number			Mail Ad		CI ASS	INIAINI	
(512) 244-1546	45. 28) _					AENG.0	COM	
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SECTION V: Au			11 3.3		. ·		1. 6	. , .	1 .	1.1 . 11
6. By my signature below ignature authority to subm										

identified in field 39.

Company:	HAGOOD ENGINEERING ASSOCIATES	Job Title:	PROJEC	T MANAGER	
Name(In Print):	TERRY R. HAGOOD			Phone:	(512)244-1546
Signature:	my Riscord			Date:	11/14/2023

TCEQ-10400 (04/15) Page 2 of 2

SITE LOCATION MAP



BENCHMARKS

BM #1 - 60D NAIL 15' S FROM SE CORNER OF BASKETBALL COURT ELEV = 877.12' (NAVD88 GEOID MODEL 2012B)

LEGAL DESCRIPTION

LOT 1, BLOCK A TWIN LAKES FAMILY YMCA, WILLIAMSON COUNTY, TEXAS

			PLAN SUI	BMITTALS	
NO.	DATE			COMMENTS	
1	11-13-2023	TCEQ CZP			
2					
3					
4					
5					
6					
7					

SITE DEVELOPMENT PLANS SUBMITTED FOR

YMCA - TWIN LAKES PAVILLION AND ADVENTURE PARK

1500 S. BELL BLVD CEDAR PARK, TEXAS 78613

	Shee	t List Table		Shee	t List Table		Shee	et List Table
SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION	SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION	SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION
01	CVR	COVER	22	C108	EROSION AND SEDIMENTATION		C405	GRADING PLAN
02	PLAT	PLAT	22	C106	CONTROL PLAN	52	C406	GRADING PLAN
03	SURVEY	SURVEY	23	C109	EROSION AND SEDIMENTATION	53	C407	GRADING PLAN
04	SP	SITE PLAN	23	C109	CONTROL PLAN	54	C408	GRADING PLAN
05	FP	FIRE PROTECTION PLAN	24	C111	DEMOLITION PLAN	55	C500	OVERALL DIMENSION PLAN
0/	FDA 1	OVERALL EXISTING DRAINAGE AREA	25	C112	DEMOLITION PLAN	56	C501	DIMENSION CONTROL PLAN
06	EDA 1	MAP	26	C113	DEMOLITION PLAN	57	C502	DIMENSION CONTROL PLAN
07	EDA 2	EXISTING DRAINAGE AREA MAP	27	C114	DEMOLITION PLAN	58	C503	DIMENSION CONTROL PLAN
00	DDA 1	OVERALL DEVELOPED DRAINAGE AREA	28	C115	DEMOLITION PLAN	59	C504	DIMENSION CONTROL PLAN
08	DDA 1	MAP	29	C116	DEMOLITION PLAN	60	C505	DIMENSION CONTROL PLAN
09	DDA 2	DEVELOPED DRAINAGE AREA MAP	30	C117	DEMOLITION PLAN	61	C506	DIMENSION CONTROL PLAN
10	CALC 1	CALCULATIONS	31	C118	DEMOLITION PLAN	62	C507	DIMENSION CONTROL PLAN
11	CALC 2	TCEQ CALCULATIONS	32	C200	OVERALL UTILITY PLAN	63	C508	DIMENSION CONTROL PLAN
12	C00	GENERAL NOTES	33	C201	UTILITY PLAN	64	C600	OVERALL PAVING AND STRIPING PLAN
13	C01	GENERAL NOTES	34	C203	UTILITY PLAN	65	C601	PAVING AND STRIPING PLAN
1.4	6100	OVERALL EROSION AND SEDIMENTAITON CONTROL PLAN	35	C207	UTILITY PLAN	66	C602	PAVING AND STRIPING PLAN
14	C100		36	C210	UTILITY PROFILES	67	C603	PAVING AND STRIPING PLAN
1.5	C101	EROSION AND SEDIMENTATION	37	C300	OVERALL DRAINAGE PLAN	68	C604	PAVING AND STRIPING PLAN
15	C101	CONTROL PLAN	38	C302	DRAINAGE PLAN	69	C605	PAVING AND STRIPING PLAN
1/	C100	EROSION AND SEDIMENTATION	39	C303	DRAINAGE PLAN	70	C606	PAVING AND STRIPING PLAN
16	C102	CONTROL PLAN	40	C304	DRAINAGE PLAN	71	C607	PAVING AND STRIPING PLAN
17	C102	EROSION AND SEDIMENTATION	41	C305	DRAINAGE PLAN	72	C608	PAVING AND STRIPING PLAN
17	C103	CONTROL PLAN	42	C306	DRAINAGE PLAN	73	C70	CONSTRUCTION DETAILS
10	C104	EROSION AND SEDIMENTATION	43	C307	DRAINAGE PLAN	74	C71	ESC & STORM DETAILS
18	C104	CONTROL PLAN	44	C308	DRAINAGE PLAN	75	C72	UTILITY DETAILS
10	6105	EROSION AND SEDIMENTATION	45	C310	DRAINAGE PROFILES		•	
19	C105	CONTROL PLAN	46	C400	OVERALL GRADING PLAN]		
00	C10/	EROSION AND SEDIMENTATION	47	C401	GRADING PLAN]		
20	C106	CONTROL PLAN	48	C402	GRADING PLAN	1		
01	0107	EROSION AND SEDIMENTATION	49	C403	GRADING PLAN	1		
21	C107	CONTROL PLAN	50	C404	GRADING PLAN	1		

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

STATE OF TEXAS

COUNTY OF WILLIAMSON

I, PRELIMINARY-TERRY R. HAGOOD, DO HEREBY CERTIFY THAT THE PUBLIC WORKS AND DRAINAGE IMPROVEMENTS DESCRIBED HEREIN HAVE BEEN DESIGNED IN COMPLIANCE WITH THE SUBDIVISION AND BUILDING REGULATION ORDINANCES AND STORM WATER DRAINAGE POLICY ADOPTED BY THE CITY OF CEDAR PARK, TEXAS.



Im Rissort

11/14/2023

Terry R. Hagood Registered Professional Engineer

THIS SITE DEVELOPMENT PLAN HAS BEEN REVIEWED AND APPROVED BY THE CITY OF PFLUGERVILLE. ALL CONSTRUCTION ON THE SUBJECT SITE MUST BE CONSTRUCTED CONSISTENT WITH THESE PLANS.

Planning and Development Services Director

City of Cedar Park, Texas

City of Cedar Park, Texas

Development Services Engineering

ENGINEER

HAGOOD ENGINEERING ASSOCIATES, INC.

900 E. MAIN STREET **ROUND ROCK, TEXAS 78664** TERRY R. HAGOOD, P.E. (512) 244-1546 TERRYH@HEAENG.COM



11/14/2023

01 OF 75

OWNER/DEVELOPER

YMCA OF GREATER WILLIAMSON COUNTY

1812 NORTH MAYS STREET ROUND ROCK, TEXAS 78664 RICH CARLTON (512) 246-9622 RCARLTON@YMCATX.ORG

ARCHITECT

SCHAEFER ARCHITECTURE

257 N BROADWAY WICHITA, KANSAS 67202 MALCOLM WATKINS CONTACT NUMBER CONTACT EMAIL

LANDSCAPE ARCHITECT **STUDIO 16:19**

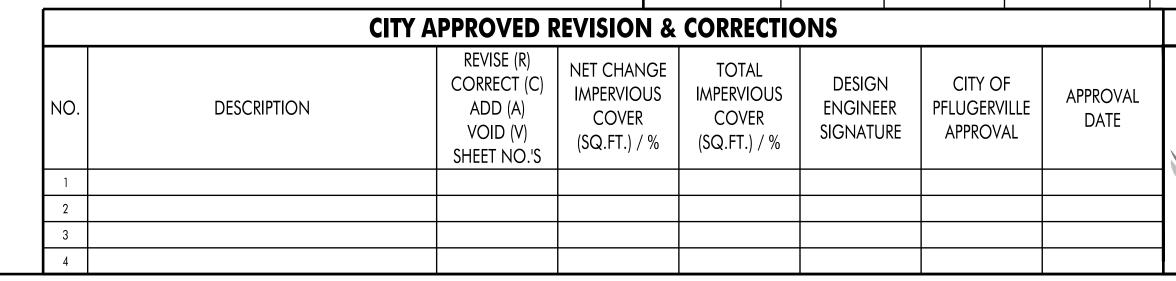
305 W LIBERTY AVE, SUITE 100 ROUND ROCK, TEXAS 78664 JONATHAN WAGNER, RLA, ASLA, LI (512) 534-8680 JWAGNER@STUDIO1619.COM

			G
BUILDING SUMMARY (# OF BLDGS)	NUMBER OF BUILDINGS	FLOOR AREA (BLDG S.F.)	# OF STO

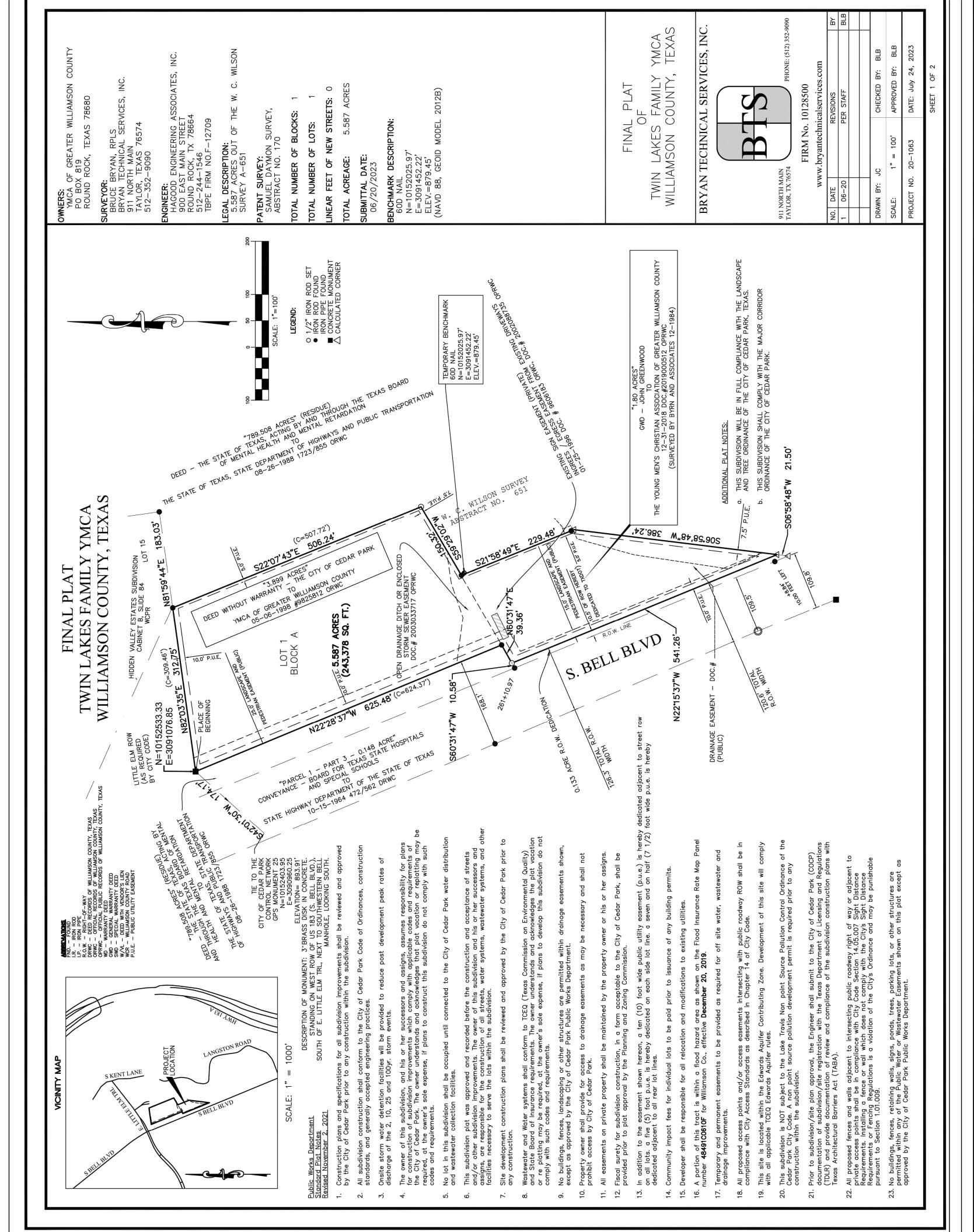
	GENERAL INFORMATION						
BUILDING SUMMARY (# OF BLDGS)	NUMBER OF BUILDINGS	FLOOR AREA (BLDG S.F.)	# OF STORIES/ BUILDING HEIGHT	USE & OCCUPANCY CLASSIFICATION (PER IBC)	TYPE OF CONSTRUCTION (PER IBC)	IF APPLICABLE TYPE OF FIRE SPRINKLER SYSTEM (NFPA 13R OR NFPA13)	

NOTES:

- 1. A PORTION OF THE ABOVE LEGALLY DESCRIBED PROPERTY IS WITHIN THE DESIGNATED 1% ANNUAL CHANCE FLOODPLAIN AREA AS DESIGNATED BY F.E.M.A. FLOOD INSURANCE RATE MAP (FIRM) ON COMMUNITY PANEL NO. 48491C0610F, DATED DECEMBER 20, 2019 FOR WILLIAMSON COUNTY, TEXAS AND INCORPORATED AREAS.
- 2. THIS PROPERTY IS WITHIN THE EDWARDS AQUIFER CONTRIBUTING ZONE.
- 3. SEE SHEET COO FOR GENERAL NOTES.







FINAL PLAT TWIN LAKES FAMILY YMCA WILLIAMSON COUNTY, TEXAS

THAT I, BRUCE L. BRYAN, REGISTERED PROFESSIONAL LAND SUR THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS PLAT IS CORRECTLY MADE FROM AN ACTUAL SURVEY MADE ON THE GROPROPERTY LEGALLY DESCRIBED HEREON, AND THAT ALL EXISTING ON OR ADJACENT TO THE PROPOSED SUBDIVISION ARE SHOWN ITHE MOST RECENT TITLE SURVEY OR DISCOVERED WITH A TITLE CONJUNCTION WITH THE MOST RECENT PURCHASE OF THE PROPITHAT THERE ARE NO APPARENT DISCREPANCIES, CONFLICTS, OV OF IMPROVEMENTS, VISIBLE UTILITY LINES OR ROADS IN PLACE, SHOWN ON THE ACCOMPANYING PLAT, AND THAT ALL CORNER IN SHOWN THEREON WERE PROPERLY PLACED UNDER MY SUPERVISIACORDANCE WITH THE SUBDIVISION REGULATIONS OF CHAPTER CITY OF CEDAR PARK, TEXAS CODE OF ORDINANCES.

3RYAN D PROFESSIONAL SU STATE OF TEXAS BRUCE L. BR REGISTERED NO. 4249 ST

P

THAT FINAL PLAT TWIN LAKES FAMILY YMCA, ACTING HEREIN BY AND THROUGH JEFF ANDRESEN, PRESIDENT AND CEO, BEING THE OWNERS OF A 3.899 ACRE TRACT OF LAND CONVEYED BY INSTRUMENT OF RECORDS OF NOCUMENT NUMBER 9825812 OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS, AND 1.80 ACRES AS RECORDED IN DOCUMENT NO. 2019000512 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY (UPON RE—SURVEY FOUND TO CONTAIN 5.720 ACRES); DO HEREBY SUBDIVIDE SAID 5.720 ACRES OF LAND IN ACCORDANCE WITH THE ATTACHED MAP OR PLAT, TO BE KNOWN AS FINAL PLAT TWIN LAKES FAMILY YMCA AND DO HEREBY APPROVE THE NOTE REQUIREMENTS SHOWN HERON, AND DO HEREBY APPROVE THE PUBLIC USE FOREVER ANY AND ALL EASEMENTS, STREETS AND ROADS THAT ARE SHOWN HERON, SUBJECT TO ANY EASEMENTS AND/OR RESTRICTIONS HERETOFORE GRANTED AND NOT RELEASED. IT IS HEREBY ACKNOWLEDGED THAT FINAL PLAT TWIN LAKES FAMILY YMCA ARE THE SOLE OWNERS OF THE PROPERTY AND DO HEREBY STATE THAT THERE ARE NO LIEN HOLDERS OR ANY UNPAID DEBT FOR WHICH THIS PROPERTY REPRESENTS COLLATERAL ON ANY LOAN. THAT ARE SHIPLE STRICTIONS HEREBY ACKN ARE THE SOLF THAT THERE THIS PROPERT WITNESS MY HAD.

NER SIGN DATE

\$ KNOW ALL MEN BY '

1, **IERRY HAGOOD**, REGISTER, DO HEREBY CERTIFY THAT MOD AREA, AS DENOTED HER GEMENT ADMINISTRATION FLUEN A8491C0675F, EFFECTIVE DRMS TO THE CITY OF CEDAULLY DEVELOPED, CONCENTHUNDRED (100) YEAR FREQUENTS SHOWN AND/OR PUBL

TO CERTIFY WHICH, WITN COUNTY, TEXAS, THIS

<u>TERRY R. HAGOOD</u> REGISTERED PROFESSIONAL EN NO. **52960** STATE OF TEXAS

SSION OF THE CITY OF CEDAR PARK, TEXAS, RECORD BY THE COUNTY CLERK OF WILLIAM APPROVED THIS THE _____ DAY OF CITY PLANNING AND ZONING COMMIS AND AUTHORIZED TO BE FILED FOR COUNTY, TEXAS

CYNTHIA SNEED, SECRETARY COMMISSION

I, AMY LINK, DIRECTOR OF DEVELOPMENT SERVICES FOR THE CITY OF CEDAR PARK, TEXAS, DO HEREBY ATTEST AND AUTHORIZE THIS PLAT TO BE FILED FOR RECORD BY THE COUNTY CLERK OF WILLIAMSON COUNTY, TEXAS IN THE PLAT RECORDS OF SAID COUNTY.

STATE

THE COUNTY COURT OF SAID
THE FOREGOING INSTRUMENT IN
AUTHENTICATION, WAS FILED FOR
DAY OF ________A.D. 2023
DULY RECORDED ON THE ____DAY

THE COUNTY WN, TEXAS, ' TO CERTIFY WHICH, WITNESS MY HAND AND SEAL OF COURT OF SAID COUNTY, AT MY OFFICE IN GEORGETO DATE LAST ABOVE WRITTEN. ; COUNTY COU TEXAS NANCY RISTER, CLERK, WILLIAMSON COUNTY,

THESE NOTES DESCRIBE THAT CERTAIN TRACT OF LAND LOCATED IN THE W. C. WILSON SURVEY, ABSTRACT NO. 651, SITUATED IN WILLIAMSON COUNTY, TEXAS IN THE CORPORATE CITY LIMITS OF CEDAR PARK; SUBJECT TRACT BEING ALL OF 1) A CALLED "3.899 ACRES" AS CONVEYED IN A DEED WITHOUT WARRANTY FROM THE CITY OF CEDAR PARK TO YMCA OF GREATER WILLIAMSON COUNTY DATED 05–06–1998 AS RECORDED IN DOCUMENT NO. 9825812 OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, (ORWC) AND 2) A CALLED "1.80 ACRES" CONVEYED IN A GENERAL WARRANTY DEED FROM JOHN GREENWOOD TO YOUNG MEN'S CHRISTIAN ASSOCIATION OF GREATER WILLIAMSON COUNTY DATED 12–31–2018 AS RECORDED IN DOCUMENT NO. 2019000512 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, (OPRWC) SUBJECT TRACT BEING SURVEYED ON THE GROUND UNDER THE DIRECT SUPERVISION OF BRUCE LANE BRYAN, REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4249, DURING THE MONTH OF DECEMBER 2022 AND BEING MORE FULLY DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND CONCRETE MONUMENT (N=10,152,533.33 FEET, E=3,091,076.8 FEET) AT THE NORTHWEST CORNER OF SAID "3.899 ACRES" IN THE OCCUPIED EAST RIGHT—OF—WAY LINE OF U.S. HIGHWAY NO. 183, SAME BEING THE NORTHEAST CORNER OF A RESIDUAL PORTION OF A CALLED "789.508 ACRES" AS CONVEYED IN A DEED FROM THE STATE OF TEXAS, ACTING BY AND THROUGH THE TEXAS BOARD OF MENTAL HEALTH AND MENTAL RETARDATION TO THE STATE OF TEXAS, STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION DATED 08—26—1988 AS RECORDED IN VOLUME 1723, PAGE 855, ORWC, SAID CORNER BEING IN THE SOUTH LINE OF SOUTH WIND ESTATES, A DEDICATED SUBDIVISION AS RECORDED IN CABINET "B", SLIDE 84, OF THE WILLIAMSON COUNTY PLAT RECORDS;

THENCE NORTH 82°03' 35"EAST WITH THE COMMON LINE OF SAID "3.899 ACRES"AND SOUTH WIND ESTATES A DISTANCE OF 312.75 FEET TO A FOUND ½"IRON ROD (WITH ALASTIC CAP) AT THE NORTHEAST CORNER OF SAME; FOR REFERENCE A FOUND ½ IRON ROD (WITH PLASTIC CAP) AT THE APPARENT SOUTHEAST CORNER OF LOT 15 OF SAID SOUTH WIND ESTATES BEARS NORTH 81°59' 44"EAST A DISTANCE OF 183.03 FEET;

THENCE SOUTH 22°07' 43"EAST WITH THE EAST LINE OF SAID "3.899 ACRES", SAME BEING AN EXTERIOR LINE OF AFOREMENTIONED "789.508 ACRES", A DISTANCE OF 506.24 FEET TO A SET ½"IRON ROD (ORANGE PLASTIC CAP "BTS) AT THE SOUTHEAS CORNER OF SAME;

THENCE SOUTH 59'29' 02"WEST WITH THE SOUTH LINE OF SAID "3.899 ACRES"; SA BEING AN EXTERIOR LINE OF AFOREMENTIONED "789.508 ACRES", A DISTANCE OF 150.32 FEET TO A FOUND 5/8"IRON ROD AT THE NORTHEAST CORNER OF AFOREMENTIONED ".80 ACRES", SAME BEING AN INTERIOR CORNER OF SUBJECT TRACTHENCE SOUTH 21'58' 49"EAST WITH THE EAST LINE OF SAID "1.80 ACRES"; SAME BEING AN EXTERIOR LINE OF AFOREMENTIONED "789.508 ACRES", PASSING A FOUND 1½"IRON ROD AT THE TOP OF A CLIFF AT 223.64 FEET AND CONTINUING AN ADDITIONAL 5.84 FEET TO FOR A TOTAL DISTANCE OF 229.48 FEET TO A CALCULATE CORNER AT AN EXTERIOR CORNER OF SAME;

THENCE SOUTH 06°58' 48"WEST WITH THE LOWER EAST LINE OF SAID "1.80 ACRES"; SAME BEING AN EXTERIOR LINE OF AFOREMENTIONED "789.508 ACRES", ALONG THE WALL OF CLIFF, A DISTANCE OF 386.24 FEET TO A CALCULATED POINT AT THE SOUTH CORNER OF SUBJECT TRACT; A CALCULATED POINT IN THE AFOREMENTIONED EAST RIGHT—OF—WAY LINE OF U.S. HIGHWAY NO. 183, ALSO KNOWN AS SOUTH BELL BOULEVARD, BEARS SOUTH 06°58' 48"WEST A DISTANCE OF 21.50 FEET;

THENCE NORTH 22°15' 37"WEST, PARALLEL TO BUT 10 FEET FROM SAID EAST RIGHT—OF—WAY LINE OF U.S. HIGHWAY NO. 183 AND WEST LINE OF SAID "1.80 ACRE" TRACT, AT 8.84 FEET A FOUND ½"IRON ROD (PLASTIC CAP) FOR REFERENCE AT TOP OF CLIF LIES 10.00 FEET LEFT, AND CONTINUING AN ADDITIONAL 532.42 FEET FOR A TOTAL DISTANCE OF 541.26 FEET TO A TO A SET ½"IRON ROD (ORANGE PLASTIC CAP BTS) CORNER AT AN EXTERIOR CORNER OF SUBJECT TRACT; FOUND ½"IRON ROD (CAPPED "BYRN SURVEY") AT THE NORTHWEST CORNER OF SAID "1.80 ACRE" TRACT, ALSO BEING AN EXTERIOR CORNER OF SAID EAST RIGHT—OF—WAY LINE OF U.S. HIGHWAY NO. 183 LOCATED AT ENGINEER'S STATION 261+10.97, BEARING SOUTH 60° 31' 47"WEST A DISTANCE OF 10.58 FEET;

THENCE NORTH 60°31' 47"EAST WITH SAID EAST RIGHT—OF—WAY LINE OF U.S. HIGHWAY NO. 183 AND NORTH LINE OF SAID "1.80 ACRE"TRACT A DISTANCE OF 39.36 FEET TO A FOUND ½"IRON ROD (ALUMINUM CAP "SHDPT") AT THE SOUTHWEST CORNE OF AFOREMENTIONED "3.899 ACRES"ALSO BEING AN INTERIOR CORNER OF SAID EAST RIGHT—OF—WAY LINE OF U.S. HIGHWAY NO. 183;

THENCE NORTH 22°28° 37" WEST WITH THE WEST LINE OF SAID "3.899 ACRES" AND OCCUPIED EAST RIGHT—OF—WAY LINE OF U.S. HIGHWAY NO. 183, SAME BEING SAME BEING A LINE OF AFOREMENTIONED "789.508 ACRES", A DISTANCE OF 625.48 FEET TO THE PLACE OF BEGINNING CONTAINING ACCORDING TO THE DIMENSIONS HEREIN STATED AN AREA OF 5.587 ACRE OF LAND.

NOTE: BEARINGS AND COORDINATES RECITED HEREIN BASED ON TEXAS PLANE COORDINATE SYSTEM (CENTRAL ZONE) NAD 83/93 ADJUSTMENT AND ADDITIONAL ADDITIONAL AND ADDITIONAL AND ADDITIONAL ADDITI

TREE SURVEY PAVILION SITE PLAN TWIN LAKES FAMILY YMCA CEDAR PARK, TEXAS WILLIAMSON COUNTY

TEMPORARY BENCH MARK

N: 10152449.72'

E: 3091232.70'

40	0 40 40	
	SCALE: 1"= 40'	

LEGEND:

O 1/2" IRON ROD SET

● IRON ROD FOUND

■ CONCRETE MONUMENT WATER METER ₩ WATER VALVE

IRRIGATION CONTROL VALVE
FIRE HYDRANT
LIGHT POLE
CHAINLINK FENCE
WROUGHT IRON FENCE
LIMITS OF BROJECT ___ _ LIMITS OF PROJECT STONE WALL

PROFESSIONAL LAND SURVEYING ACT.

BRUCE L. BRYAN, R.P.L.S. TEXAS REGISTRATION NO. 4249

May 31, 2023

CALCULATED CORNER - UNABLE TO SET

		_		
	Tree Table			Tree Table
oint #	Description		Point #	Descriptio
3237	TRE 12 OAK TT 96		3956	TRE 5 ELM
3238	TRE 40.5 OAK TT 97		3957	TRE 17 OAK
3277	TRE 28 OAK TT 89		3958	TRE 6 ELM
3278	TRE 15 OAK TT 88		3959	TRE 11 OAK

TRE 19 OAK TT 85

TRE 22 OAK TT 86

3306

3307

3815

3816

3817

3819

3820

3822

3823

3824

3825

3826

3830

3831

3832

3946

3948

3949

3950

3951

3952

3953

3954

279	TRE 11 ELM TT 90	3960	TRE 12 ?TT
280	TRE 13 ELM TT 91	3961	TRE 11
3281	TRE 14.5 ELM TT 92	3962	TRE 11
282	TRE 8 ELM TT 93	3963	TRE 15 ELM TT
283	TRE 6 ELM TT 94	4056	TRE 15 ELM TT
284	TRE 7 ELM TT 95	4097	TRE 10 OAK TT
297	TRE 6 OAK TT 74	4099	TRE 11 OAK TT
298	TRE 12.5 OAK TT 76	4100	TRE 15

		1		
299	TRE 8 OAK TT 77		4101	TRE 7 ELM TT
300	TRE 9 OAK TT 80		4338	TRE 12 ELM TT 4338
301	TRE 10.5 OAK TT 79		4339	TRE 8.5 ELM TT 4339
302	TRE 6 OAK TT 75		4340	TRE 13.5 ELM TT 4300
303	TRE 5.5 OAK TT 3303		4341	TRE 14 ELM TT 4341
304	TRE 10.5 OAK TT 118		4342	TRE 12.5 ELM TT 4342
		ī		

10 ELM TT 87	4345	TRE 34.5 OAK TT 4345
E 7.5 OAK TT	4346	TRE 43 OAK TT 4346
RE 8 OAK TT	4347	TRE 20 CHNABERRY TT 4347
RE 10 OAK TT	4348	TRE 11 OAK TT 4348
TRE 11.5	4349	TRE 15 OAK TT 4349

TRE 10 OAK TT	4350	TRE 7.5 TREE TT 4350
TRE 8 OAK TT	4351	TRE 32 OAK TT 4351
TRE 7 ELM TT	4352	TRE 13. OAK TT 4352
TRE 10 OAK TT	4353	TRE 7 ELM TT 4355
TRE 5.5 OAK TT	4354	TRE 7.5 OAK TT 4352

TRE 10.5 OAK TT	4355	TRE 7.5 TREE TT 4357
TRE 6.5 ELM TT	4356	TRE 16.5 OAK TT 4356
TRE 8 OAK TT	4357	TRE 8 TREE TT 4358
TRE 6 ELM TT	4358	TRE 13 TREE TT 4359

TRE 8 OAK TT		4359	TRE 24 TREE TT 4360
TRE 6 OAK TT		4360	TRE 11.5 ELM TT 4361
TRE 7 OAK TT		4361	TRE 13 TREE TT 4362
RE 8.5 ELM TT		4362	TRE 16.5 PECAN TT 4363
	i i		

TRE 5.5 ELM TT	4363	TRE 13 TREE TT 4364
TRE 9 ELM TT	4364	TRE 7.5 TREE TT 4365
TRE 6 ELM TT	4365	TRE 8 TREE TT 4366
TRE 6 ELM TT	4366	TRE 13 ELM TT 4367
TRE 4.5	4367	TRE 16 COTTONWOOD TT 4368

TRE 5.5		4368	TRE 10 COTTONWOOD TT 4
TRE 8		4369	TRE 14 OAK TT 4370
TRE 6		4370	TRE 9 ELM TT 4371
-	-		•

TRE 11 OAK TT 4343 | TRE 9.5 DEAD ELM TT 4343 TRE 12.5 ELM TT 4344 TRE 15 OAK TT 4349 TRE 7.5 TREE TT 4350 TRE 7.5 OAK TT 4352 TRE 7.5 TREE TT 4357 4363 TRE 13 TREE TT 4364

Description

TRE 5 ELM TT

TRE 17 OAK TT

TRE 6 ELM TT

PLAYSCAPE LECTRIC METER -POOL BASKETBALL TEMPORARY BENCH MARK 60D NAIL N: 10151903.44' E: 3091512.88' ELEV.=877.12' TO: HAGOOD ENGINEERING ASSOCIATES, INC. THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND 4367 TRE 16 COTTONWOOD TT 4368 SPECIFICATIONS FOR A CATEGORY 1B, CONDITION III SURVEY AND THE CURRENT MINIMUM REQUIREMENTS OF THE

SURVEYORS NOTES:

1. THE BEARINGS SHOWN HEREON ARE ORIENTED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, 93 ADJUSTMENT.

2. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF TITLE REPORT. PARTIES TO THIS TRANSACTION ARE RESPONSIBLE FOR VERIFICATION OF ALL EASEMENTS, COVENANTS AND CONDITIONS WHICH MAY AFFECT THIS TRACT BUT ARE NOT SHOWN HEREON.

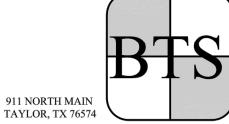
3. THE PROPERTY DEPICTED HEREON **IS NOT** WITHIN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE FLOOD AREA BEING IDENTIFIED ON F.I.R.M. PANEL NO. 48491C0610F, EFFECTIVE DATE 12/20/2019, LOCATED IN ZONE "AE" (UNSHADED).

4. THERE ARE NO ENCROACHMENTS, CONFLICTS OR PROTRUSIONS, EXCEPT AS SHOWN HEREON, AND SAID PROPERTY HAS ACCESS TO AND FROM A DEDICATED ROADWAY.

> SITE PLAN SURVEY

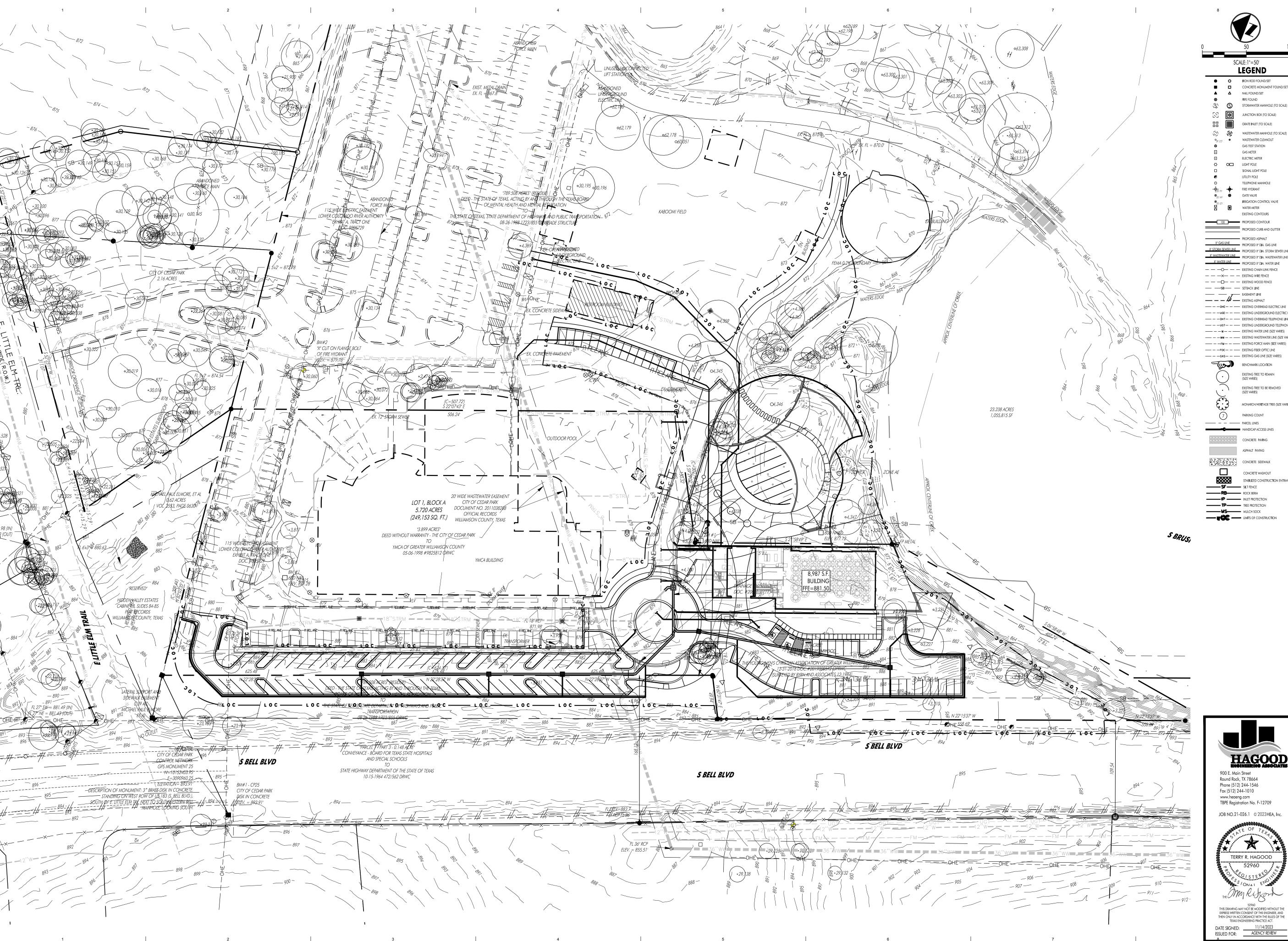
TWIN LAKES FAMILY YMCA PAVILION SITE PLAN CEDAR PARK, TEXAS WILLIAMSON COUNTY

BRYAN TECHNICAL SERVICES, INC.



PHONE: (512) 352-9090 FIRM No. 10128500 www.bryantechnicalservices.com

NO.	DATE	R	EVISIONS	BY	
DRAWN BY: JC		JC	CHECKED BY: BLB		
SCA	NLE:	1" = 40'	APPROVED BY: BLB		
PRO	DJECT NO	. 22-1063	DATE: May 31, 2023		





LEGEND

 IRON ROD FOUND/SET ■ CONCRETE MONUMENT FOUND/SET ▲ A NAIL FOUND/SET PIPE FOUND S STORMWATER MANHOLE (TO SCALE) JUNCTION BOX (TO SCALE)

GRATE INLET (TO SCALE) wastewater manhole (to scale) •_{EX.CO} • WASTEWATER CLEANOUT GAS TEST STATION GAS METER ELECTRIC METER

SIGNAL LIGHT POLE UTILITY POLE TELEPHONE MANHOLE FIRE HYDRANT

IRRIGATION CONTROL VALVE EXISTING CONTOURS

100 PROPOSED CONTOUR PROPOSED CURB AND GUTTER PROPOSED ASPHALT

X" STORM SEWER LINE PROPOSED X" DIA. STORM SEWER LINE X" WASTEWATER LINE PROPOSED X" DIA. WASTEWATER LINE X" WATER LINE PROPOSED X" DIA. WATER LINE — — — — — EXISTING CHAIN LINK FENCE ---- — — EXISTING WIRE FENCE

> --- — — Existing wood fence — — — # — EXISTING ASPHALT

—— —— OHT— — EXISTING OVERHEAD TELEPHONE LINE —— —— ww — — — Existing Wastewater Line (size Varies)

—— — — FM— — — EXISTING FORCE MAIN (SIZE VARIES) —— —— FOC— — EXISTING FIBER OPTIC LINE —— —— GAS— — —— EXISTING GAS LINE (SIZE VARIES)

> EXISTING TREE TO REMAIN EXISTING TREE TO BE REMOVED

MONARCH/HERITAGE TREE (SIZE VARIES)

CONCRETE SIDEWALK

CONCRETE WASHOUT

STABILIZED CONSTRUCTION ENTRANCE

Schaefer Architecture

257 N. Broadway

Wichita, KS, 67202

316.684.0171

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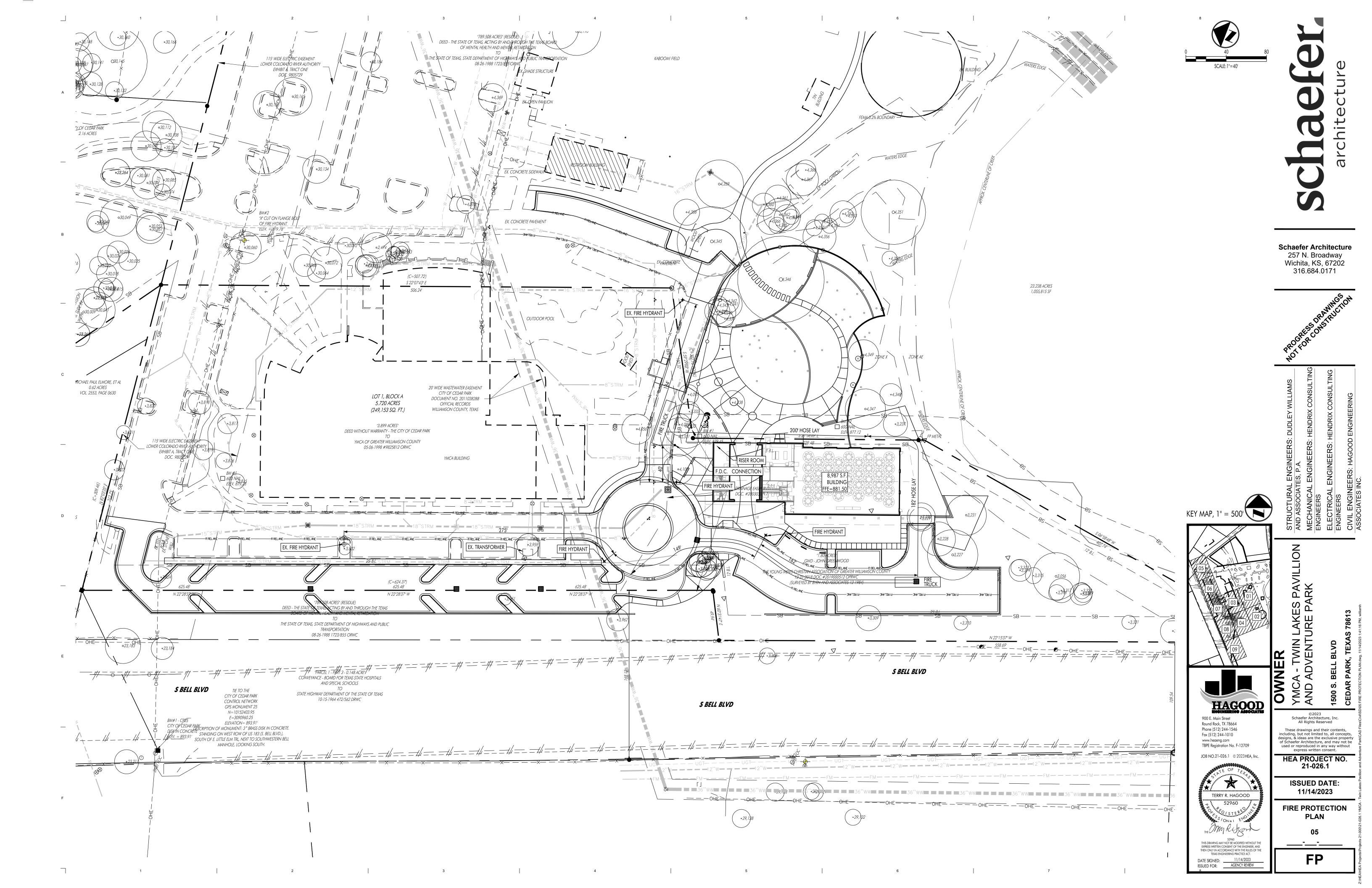
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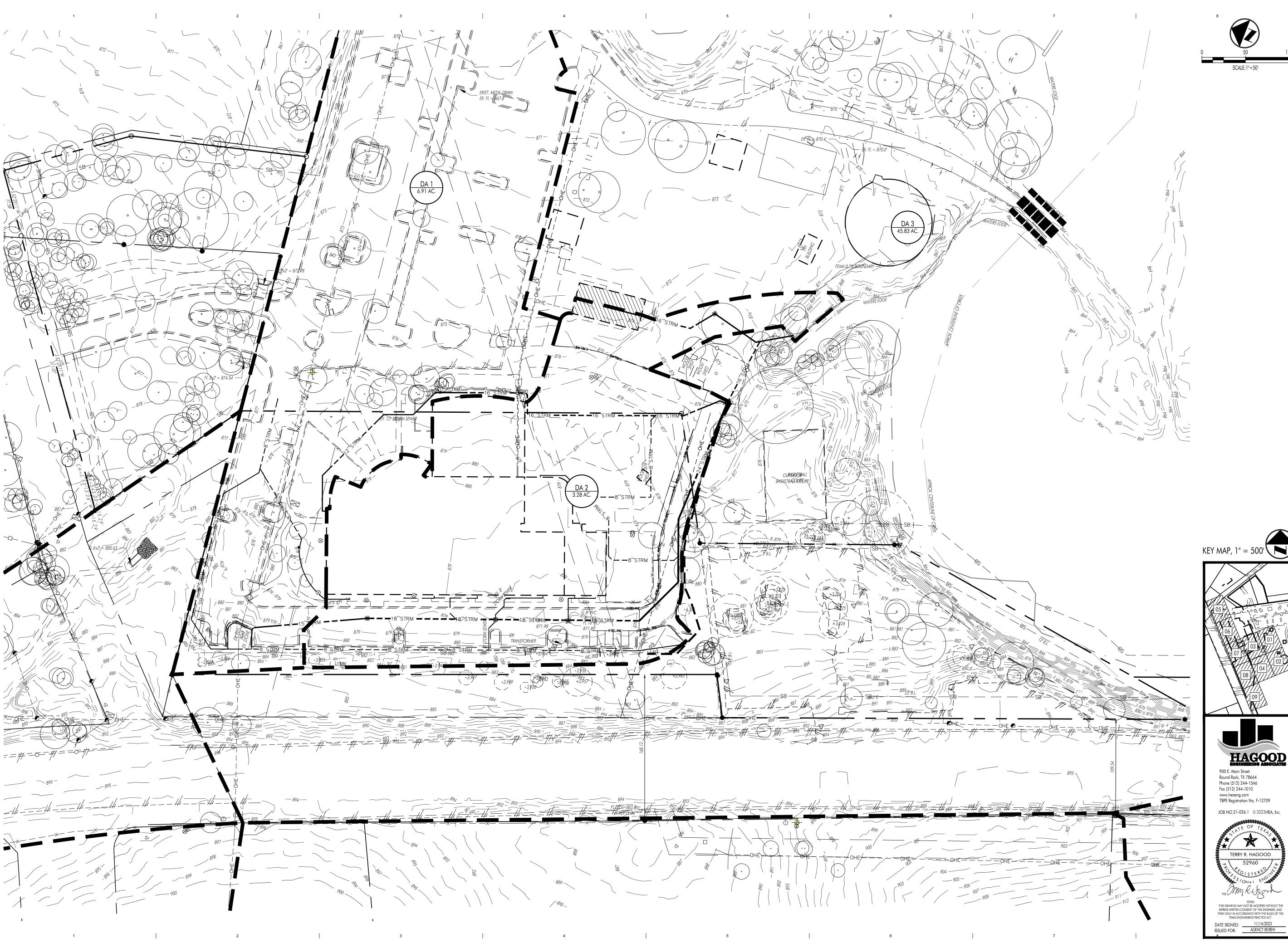
21-026.1 **ISSUED DATE:**

11/14/2023 SITE PLAN

04

SP





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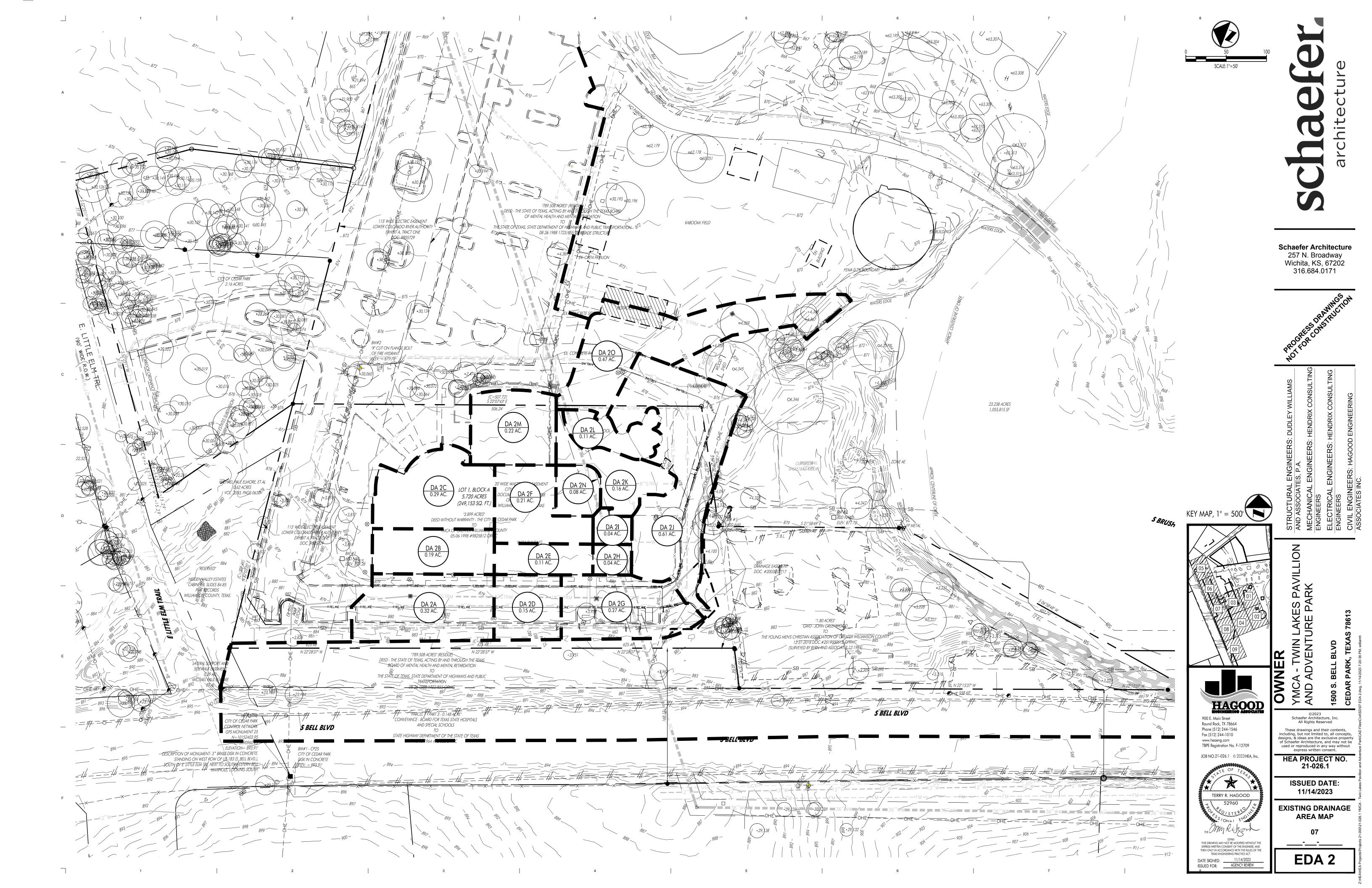
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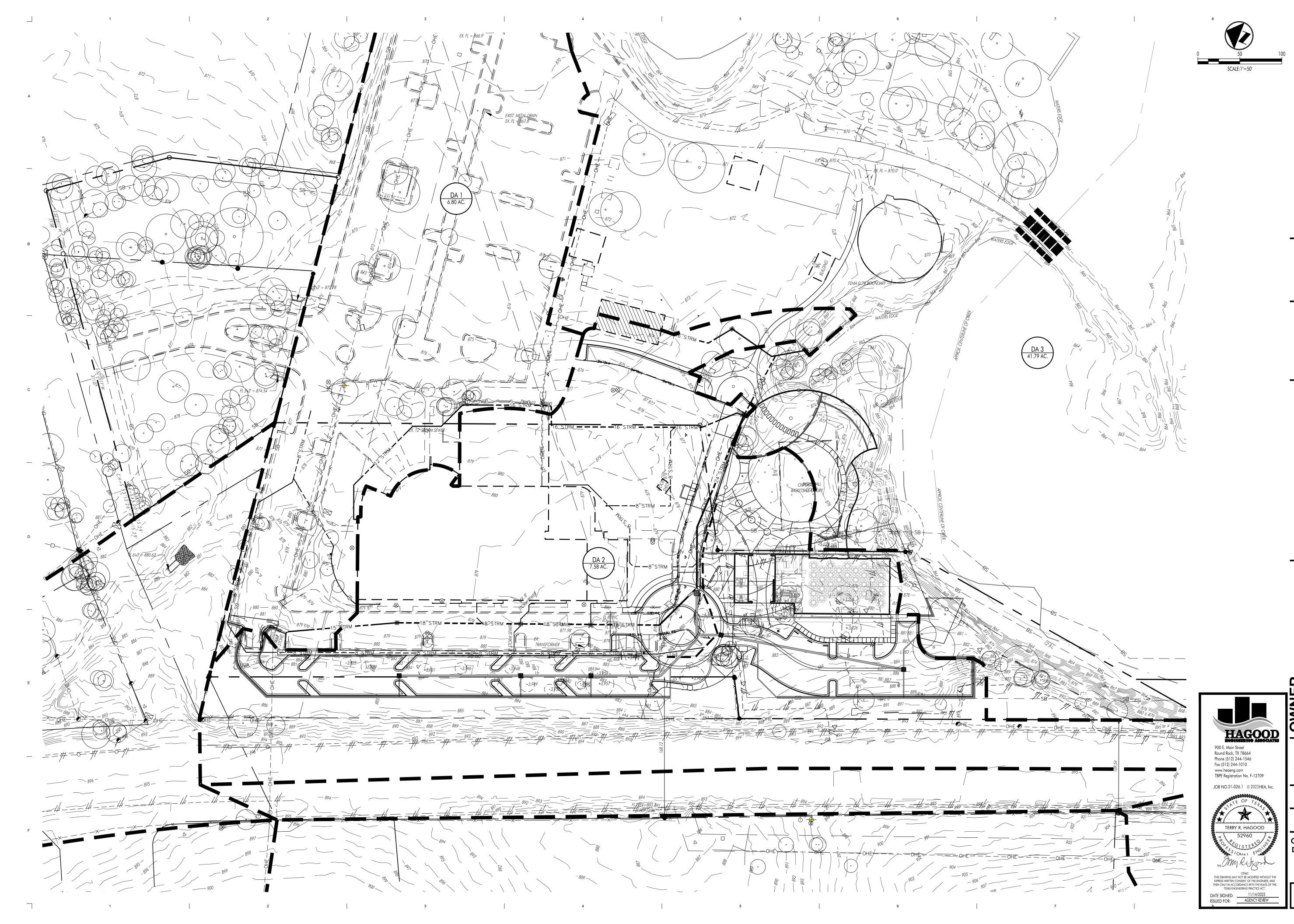
HEA PROJECT NO. 21-026.1 **ISSUED DATE:**

11/14/2023

OVERALL EXISTING DRAINAGE AREA MAP

EDA 1





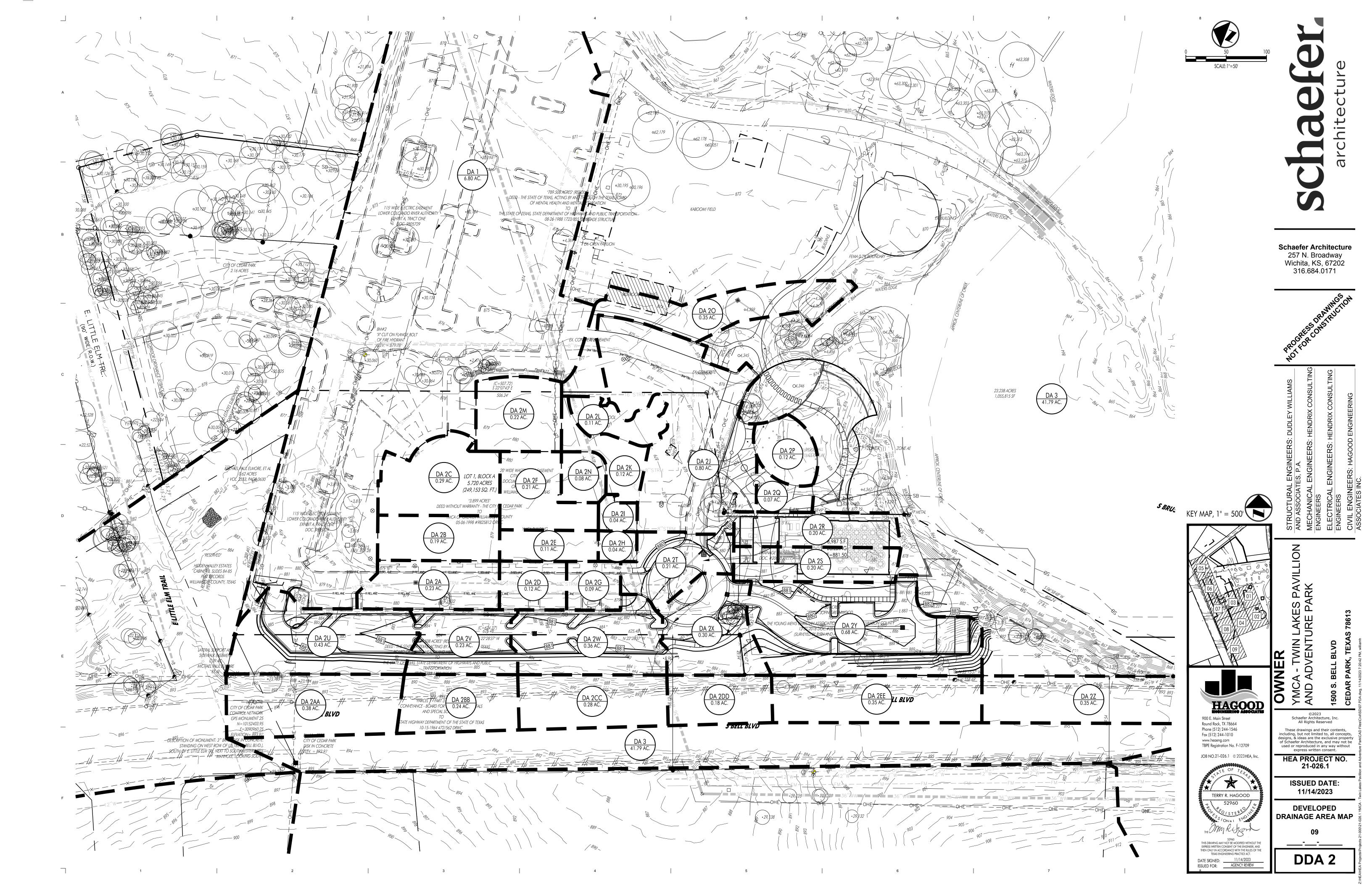
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ISSUED DATE:

11/14/2023 OVERALL DEVELOPED DRAINAGE AREA MAP

DDA 1



				EXIST	ING	DRAIN	AGE A	REA	2 SUB	AREA I	DRAIN	AGE S	UMMAR	Y (ATL	AS 14)				
Area No.	Acres	%IC	Tc	C2	12	Q2	C10	110	Q10	C25	125	Q25	C50	150	Q50	C100	1100	Q100	Remarks
2A	0.320	61.64%	5	0.5305	6.18	1.049	0.5952	9.29	1.770	0.6413	11.45	2.350	0.67749	13.30	2.884	0.7237	15.24	3.529	piped flow
2B	0.194	100.00%	5	0.73	6.18	0.875	0.81	9.29	1.459	0.86	11.45	1.910	0.9	13.30	2.321	0.95	15.24	2.807	piped flow
2C	0.294	100.00%	5	0.73	6.18	1.329	0.81	9.29	2.217	0.86	11.45	2.901	0.9	13.30	3.526	0.95	15.24	4.265	piped flow
2D	0.155	62.83%	5	0.5367	6.18	0.513	0.6019	9.29	0.865	0.6481	11.45	1.149	0.68443	13.30	1.409	0.7307	15.24	1.724	piped flow
2E	0.110	0.00%	5	0.21	6.18	0.143	0.25	9.29	0.256	0.29	11.45	0.365	0.32	13.30	0.468	0.36	15.24	0.604	piped flow
2F	0.206	100.00%	5	0.73	6.18	0.928	0.81	9.29	1.548	0.86	11.45	2.026	0.9	13.30	2.462	0.95	15.24	2.978	piped flow
2G	0.272	58.86%	5	0.5161	6.18	0.869	0.5796	9.29	1.467	0.6255	11.45	1.952	0.66139	13.30	2.397	0.7073	15.24	2.937	piped flow
2H	0.042	0.00%	5	0.21	6.18	0.054	0.25	9.29	0.097	0.29	11.45	0.138	0.32	13.30	0.177	0.36	15.24	0.229	piped flow
21	0.042	0.00%	5	0.21	6.18	0.055	0.25	9.29	0.098	0.29	11.45	0.140	0.32	13.30	0.179	0.36	15.24	0.231	piped flow
2J	0.610	82.88%	5	0.641	6.18	2.417	0.7141	9.29	4.048	0.7624	11.45	5.327	0.80068	13.30	6.498	0.849	15.24	7.895	piped flow
2K	0.162	100.00%	5	0.73	6.18	0.733	0.81	9.29	1.223	0.86	11.45	1.600	0.9	13.30	1.945	0.95	15.24	2.352	piped flow
2L	0.111	100.00%	5	0.73	6.18	0.499	0.81	9.29	0.833	0.86	11.45	1.090	0.9	13.30	1.325	0.95	15.24	1.603	piped flow
2M	0.221	100.00%	5	0.73	6.18	0.997	0.81	9.29	1.663	0.86	11.45	2.177	0.9	13.30	2.646	0.95	15.24	3.200	piped flow
2N	0.078	0.00%	5	0.21	6.18	0.101	0.25	9.29	0.181	0.29	11.45	0.258	0.32	13.30	0.331	0.36	15.24	0.426	piped flow
20	0.630	7.64%	5	0.2497	6.18	0.973	0.2928	9.29	1.714	0.3336	11.45	2.407	0.36433	13.30	3.054	0.4051	15.24	3.891	piped flow
Total	3.446	63.73%				11.53			19.44			25.79			31.62			38.67	

				DEVELO) PE	D DRAII	NAGE	ARE	A 2 SU	BAREA	DRAI	NAGE .	SUMMA	RY (A7	LAS 14				
Area No.	Acres	%IC	Тс	C2	12	Q2	C10	110	Q10	C25	125	Q25	C50	150	Q50	C100	1100	Q100	Remarks
2A	0.230	85.74%	5	0.6558	6.18	0.932	0.7301	9.29	1.561	0.7787	11.45	2.052	0.81727	13.30	2.501	0.8658	15.24	3.036	piped flow
2B	0.194	100.00%	5	0.73	6.18	0.875	0.81	9.29	1.459	0.86	11.45	1.910	0.9	13.30	2.321	0.95	15.24	2.807	piped flow
2C	0.294	100.00%	5	0.73	6.18	1.329	0.81	9.29	2.217	0.86	11.45	2.901	0.9	13.30	3.526	0.95	15.24	4.265	piped flow
2D	0.120	81.01%	5	0.6313	6.18	0.468	0.7037	9.29	0.785	0.7518	11.45	1.033	0.78987	13.30	1.261	0.838	15.24	1.533	piped flow
2E	0.110	0.00%	5	0.21	6.18	0.143	0.25	9.29	0.256	0.29	11.45	0.365	0.32	13.30	0.468	0.36	15.24	0.604	piped flow
2F	0.206	100.00%	5	0.73	6.18	0.928	0.81	9.29	1.548	0.86	11.45	2.026	0.9	13.30	2.462	0.95	15.24	2.978	piped flow
2G	0.090	92.12%	5	0.689	6.18	0.383	0.7659	9.29	0.641	0.8151	11.45	0.840	0.85432	13.30	1.023	0.9035	15.24	1.240	piped flow
2H	0.042	0.00%	5	0.21	6.18	0.054	0.25	9.29	0.097	0.29	11.45	0.138	0.32	13.30	0.177	0.36	15.24	0.229	piped flow
21	0.042	0.00%	5	0.21	6.18	0.055	0.25	9.29	0.098	0.29	11.45	0.140	0.32	13.30	0.179	0.36	15.24	0.231	piped flow
2J	0.804	66.73%	5	0.557	6.18	2.769	0.6237	9.29	4.662	0.6703	11.45	6.177	0.70702	13.30	7.567	0.7537	15.24	9.243	piped flow
2K	0.120	100.00%	5	0.73	6.18	0.541	0.81	9.29	0.903	0.86	11.45	1.182	0.9	13.30	1.437	0.95	15.24	1.738	piped flow
2L	0.111	100.00%	5	0.73	6.18	0.499	0.81	9.29	0.833	0.86	11.45	1.090	0.9	13.30	1.325	0.95	15.24	1.603	piped flow
2M	0.221	100.00%	5	0.73	6.18	0.997	0.81	9.29	1.663	0.86	11.45	2.177	0.9	13.30	2.646	0.95	15.24	3.200	piped flow
2N	0.078	0.00%	5	0.21	6.18	0.101	0.25	9.29	0.181	0.29	11.45	0.258	0.32	13.30	0.331	0.36	15.24	0.426	piped flow
20	0.350	13.76%	5	0.2815	6.18	0.609	0.327	9.29	1.064	0.3684	11.45	1.477	0.3998	13.30	1.862	0.4412	15.24	2.354	piped flow
2P	0.121	100.00%	5	0.73	6.18	0.547	0.81	9.29	0.913	0.86	11.45	1.195	0.9	13.30	1.452	0.95	15.24	1.757	piped flow
2Q	0.065	76.34%	5	0.607	6.18	0.244	0.6775	9.29	0.410	0.7252	11.45	0.541	0.76279	13.30	0.661	0.8104	15.24	0.805	piped flow
2R	0.201	100.00%	5	0.73	6.18	0.907	0.81	9.29	1.513	0.86	11.45	1.980	0.9	13.30	2.406	0.95	15.24	2.911	piped flow
2S	0.201	100.00%	5	0.73	6.18	0.907	0.81	9.29	1.513	0.86	11.45	1.980	0.9	13.30	2.407	0.95	15.24	2.911	piped flow
2T	0.210	73.14%	5	0.5903	6.18	0.766	0.6596	9.29	1.287	0.7069	11.45	1.701	0.74424	13.30	2.079	0.7916	15.24	2.534	piped flow
2U	0.432	49.71%	5	0.4685	6.18	1.250	0.5284	9.29	2.120	0.5734	11.45	2.835	0.60833	13.30	3.493	0.6533	15.24	4.299	piped flow
2V	0.234	52.90%	5	0.4851	6.18	0.701	0.5463	9.29	1.186	0.5915	11.45	1.584	0.62683	13.30	1.949	0.6721	15.24	2.395	piped flow
2W	0.357	57.94%	5	0.5113	6.18	1.129	0.5745	9.29	1.907	0.6203	11.45	2.537	0.65605	13.30	3.117	0.7018	15.24	3.821	piped flow
2X	0.297	53.16%	5	0.4864	6.18	0.894	0.5477	9.29	1.514	0.593	11.45	2.020	0.62833	13.30	2.486	0.6736	15.24	3.054	piped flow
2Y	0.677	57.60%	5	0.5095	6.18	2.132	0.5726	9.29	3.602	0.6183	11.45	4.794	0.65407	13.30	5.890	0.6998	15.24	7.221	piped flow
2Z	0.354	78.94%	5	0.6205	6.18	1.359	0.6921	9.29	2.278	0.74	11.45	3.003	0.77785	13.30	3.666	0.8257	15.24	4.459	piped flow
2AA	0.379	58.39%	5	0.5136	6.18	1.202	0.577	9.29	2.030	0.6228	11.45	2.701	0.65865	13.30	3.317	0.7045	15.24	4.066	piped flow
2BB	0.241	45.25%	5	0.4453	6.18	0.663	0.5034	9.29	1.128	0.5479	11.45	1.513	0.58244	13.30	1.868	0.627	15.24	2.304	piped flow
2CC	0.278	69.49%	5	0.5713	6.18	0.983	0.6391	9.29	1.653	0.6861	11.45	2.187	0.72302	13.30	2.677	0.77	15.24	3.266	piped flow
2DD	0.180	76.35%	5	0.607	6.18	0.677	0.6776	9.29	1.137	0.7252	11.45	1.499	0.76282	13.30	1.832	0.8105	15.24	2.230	piped flow
2EE	0.348	79.43%	5	0.6231	6.18	1.341	0.6948	9.29	2.248	0.7428	11.45	2.962	0.78071	13.30	3.616	0.8287	15.24	4.397	piped flow
Total	7.587	67.81%				26.38			44.40			58.80			72.00			87.91	
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Texas Commission on Environmental Quality						
TSS Removal Calculations 04-20-2009			Project Name:	TLYMCA P	avilion	
Tee Remotal Calculations of 20 2000			Date Prepared:			
			Date Frepareu.	***************************************		
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1. The Required Load Reduction for the total project:	Calculations fr	om DC 3/18		Pages 3-27 to	3 30	
1. The Required Load Reduction for the total project.	Calculations II	0111 TKG-540		rages 3-27 to	3-30	
Page 3-29 Equation 3.3: L _M =	27 2/A × D)					
raye 3-29 Equation 3.3. L _M -	21.2(AN X P)					
where: Lm TOTAL PROJECT =	Required TSS	removal recul	ting from the propose	d develonment	= 80% of increase	ad load
			area for the project	a development	- 5070 OI IIIOIEASE	A IOAU
		•				
P =	Average annua	a precipitation	i, inches			
Site Data: Determine Required Load Removal Based on the Entire Project	: :t					
	Williamson	•				
Total project area included in plan * =		acres				
Predevelopment impervious area within the limits of the plan * =	0.00	acres				
Total post-development impervious area within the limits of the plan* =		acres				
Total post-development impervious cover fraction * =						
P =	32	inches				
L _{M TOTAL PROJECT} =	13700	lbs.				
* The values entered in these fields should be for the total project area	l.					
Number of drainage basins / outfalls areas leaving the plan area =	1	•				
G						
2. Drainage Basin Parameters (This information should be provided for	each basin)					
2. Bramage Basin r arameters (11115 innormation should be provided for	cuon busini,					
Drainage Basin/Outfall Area No. =	2					
Total drainage basin/outfall area =	7.59	acres				
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres				
Post-development impervious area within drainage basin/outfall area =	5.14	acres				
Post-development impervious fraction within drainage basin/outfall area =	0.68					
L _{M THIS BASIN} =	4474	lbs.				

SS Roman	ral Calculations 04-20-2009			Project Name:	TI VMC A D	avilion		
33 Neillov	ai Caiculations 04-20-2003			Date Prepared:		avilloli		
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	shown in red are data entry fields.	T Caracinoc 1	Vianual 10	010.				
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. The Require	ed Load Reduction for the total project:	Calculations fr	om RG-348		Pages 3-27 to	3-30		
· ····o ····o ····o ·····	<u> </u>	Calculations II			1 4900 0 27 10			
	Page 3-29 Equation 3.3: L _M =	27.2(A _N x P)						
where:	LM TOTAL PROJECT =	Required TSS	removal resu	liting from the propose	d development	= 80% of	increased l	oad
				area for the project				
	P =	Average annua	al precipitatio	n, inches				
Site Data:	Determine Required Load Removal Based on the Entire Project							
	County = Total project area included in plan * =	Williamson 56.07	acres					
	redevelopment impervious area within the limits of the plan * =	0.00	acres					
Total po	st-development impervious area within the limits of the plan* = Total post-development impervious cover fraction * =	15.74 0.28	acres					
	P =	32	inches					
	_	40=0-						
The values of	L _{M TOTAL PROJECT} = entered in these fields should be for the total project area	13700	Ibs.					
me values (antered in these helds should be for the total project area	•						
Nur	mber of drainage basins / outfalls areas leaving the plan area =	1						
Drainage Pa	asin Parameters (This information should be provided for	each basin\						
. Pramaye Di								
	Drainage Basin/Outfall Area No. =	1 `						
	Total drainage basin/outfall area =	56.07	acres					
	evelopment impervious area within drainage basin/outfall area = evelopment impervious area within drainage basin/outfall area =	0.00 15.74	acres					
	opment impervious fraction within drainage basin/outfall area =	0.28	dores					
	L _M THIS BASIN =	13700	lbs.					
. Indicate the	proposed BMP Code for this basin.							
. Indicate the		Wat Pagin 3						
. Indicate the	proposed BMP Code for this basin. Proposed BMP = Removal efficiency =	Wet Basin 93	percent					
	Proposed BMP =	93	1.5	<u>e.</u>				
	Proposed BMP = Removal efficiency =	93 by the selecte	ed BMP Typ					
. Calculate M	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L _R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L _R =	93 by the selector (BMP efficience	ed BMP Typ y) x P x (A ₁ x	x 34.6 + A _P x 0.54)				
	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L _R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L _R = A _C =	93 by the selector (BMP efficience Total On-Site of	ed BMP Typ ey) x P x (A ₁ x drainage area	x 34.6 + A _P x 0.54) a in the BMP catchmen				
. Calculate M	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L _R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L _R = A _C = A _I =	93 by the selecte (BMP efficience Total On-Site of Impervious are	sy) x P x (A ₁ x drainage area	x 34.6 + A _P x 0.54) a in the BMP catchment	area			
. Calculate M	Proposed BMP = Removal efficiency = $aximum TSS Load Removed (L_R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L_R = A_C = A_I = A_P = A_P = A_R$	93 by the selecte (BMP efficience Total On-Site of Impervious area	ed BMP Typesy) x P x (A ₁ x drainage area a proposed in	x 34.6 + A _P x 0.54) a in the BMP catchmen	area rea	MP		
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. Calculate M	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L_R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L_R = $A_C = A_I = A_P = L_R = A_C =$	93 by the selecte (BMP efficience Total On-Site of Impervious area Pervious area TSS Load rem	drainage area proposed in remaining in oved from this acres	x 34.6 + A _P x 0.54) a in the BMP catchment the BMP catchment the BMP catchment a	area rea	MP		
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. Calculate M where:	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L_R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L_R = $A_C = A_I = A_P = L_R = A_I = A_P = L_R = A_P = L_R = A_P = L_R = A_P = A_P$	93 by the selecter (BMP efficience Total On-Site of Impervious area Pervious area TSS Load rem 56.07 15.74 40.33 16856	drainage area proposed in remaining in oved from this acres acres	x 34.6 + A _P x 0.54) a in the BMP catchment the BMP catchment the BMP catchment a	area rea	MP		
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. Calculate M where:	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L_R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L_R = $A_C = A_I = A_P = L_R = A_I = A_P = L_R = A_P = L_R = A_P = L_R = A_P = A_P$	93 by the selecter (BMP efficience Total On-Site of Impervious area Pervious area TSS Load rem 56.07 15.74 40.33 16856	drainage area proposed in remaining in oved from this acres acres	x 34.6 + A _P x 0.54) a in the BMP catchment the BMP catchment the BMP catchment a	area rea	MP		
. Calculate M where:	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L_R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L_R = $A_C = A_I = A_P = L_R = A_I = A_P = L_R = A_P $	93 by the selecter (BMP efficience Total On-Site of Impervious area TSS Load rem 56.07 15.74 40.33 16856	drainage area a proposed in remaining in oved from thi acres acres lbs	x 34.6 + A _P x 0.54) a in the BMP catchment the BMP catchment the BMP catchment a	area rea	MP		
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. Calculate M where:	Proposed BMP = Removal efficiency = aximum TSS Load Removed (L_R) for this Drainage Basin RG-348 Page 3-33 Equation 3.7: L_R = $A_C = A_I = A_P = L_R = A_P =$	93 by the selecter (BMP efficience Total On-Site of Impervious area Pervious area TSS Load rem 56.07 15.74 40.33 16856 fall area 13700 0.81	drainage area proposed in remaining in oved from thi acres acres lbs	x 34.6 + A _P x 0.54) a in the BMP catchment the BMP catchment as catchment area by t	area rea he proposed B		34 to 3-36	
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E	BMP Accounting Table for Y.M.C.A. Camp Twin Lakes								
-	uifer Protection um ID No.								
		I.C	I.C Increase	BMP I.C. Allowance					
Plan No.	Exception No.	[Acres]	[Acres]	[Acres]					
11-2061401		8.17		6.83					
11-2061401A		8.63	0.46	6.37					
	11-1201200	9.12	0.49	5.88					
	11-14060601	12.37	3.25	2.63					
	11001799	12.5	0.13	2.5					
	11002818	12.68	0.18	2.32					
	11003663	12.8	0.12	2.2					
TLY - pending		15.74	2.94	-0.74					



Schaefer Architecture 257 N. Broadway Wichita, KS, 67202 316.684.0171



CTURAL ENGINEERS: DUDLEY WILLIAMS
ASSOCIATES, P.A.
CHANICAL ENGINEERS: HENDRIX CONSULT
INEERS
CTRICAL ENGINEERS: HENDRIX CONSULTING

NER A - TWIN LAKES PAVILLION ADVENTURE PARK

HAGOOD HOUNERING ASSOCIATES

900 E. Main Street Round Rock, TX 78664

Phone (512) 244-1546 Fax (512) 244-1010

www.heaeng.com TBPE Registration No. F-12709

JOB NO.21-026.1 © 2023 HEA, Inc.

TERRY R. HAGOOD

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THIS DRAWING MAY NOT BE MODIFIED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER, AND THEN ONLY IN ACCORDANCE WITH THE RULES OF THE TEXAS ENGINEERING PRACTICE ACT.

DATE SIGNED: 11/14/2023
ISSUED FOR: AGENCY REVIEW

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HEA PROJECT NO. 21-026.1

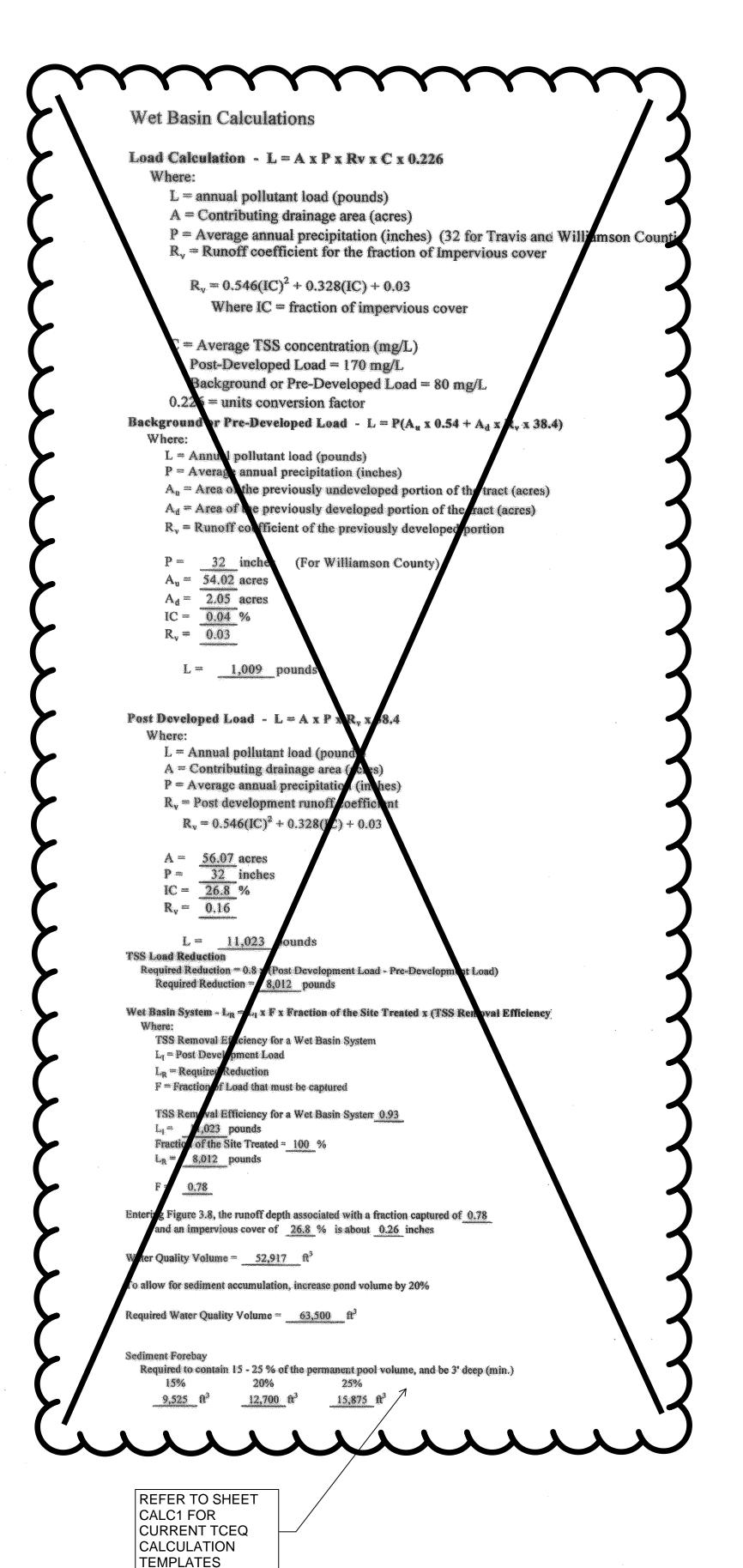
> ISSUED DATE: 11/14/2023

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CALC 1



Texas Natural Resource Conservation Commission Contributing Zone Plan **General Construction Notes**

Written construction notification should be provided to the appropriate TNRCC regional office no later than 48 hours prior to commencement of the regulated activity. Information should include the date on which the regulated activity will commence, the name of the approved plan for the regulated activity, and the name of the prime contractor with the name and telephone

All contractors conducting regulated activities associated with this project should be provided with compute copies of the approved Contributing Zone Plan and the TNRCC letter indicating the specific conditions of its approval. During the course of these regulater activities, the contractor(s) should keep copies of the approved plan and approval letter on-

No temporary aboveground hydrocarbon and hazardous substance storage lank system may be installed within 150 feet if a domestic, industrial, irrigation, or public water supply well.

Prior to community construction, all temporary erosion and sedimentation (E&S) control measures must be properly selected, installed, and maintained is accordance with the manufacturer's specifications and good engineering practices. Controls specified in the SWPPP section of the approved Edwards Aquifer Contributing Zone Plan are required during construction. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. The controls must remain in place until disturbed areas are revegetated and the areas have become permanently stabilized

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).

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

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

All spoils (excavated material) generated from the project site and stored on-site must have proper E&S controls installed.

Stabilization measures shall be initiated an toon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

The following records should be maintained and made available to the TNRCC 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

11. The holder of any approved Contributing Zone plan must matify the appropriate regional office in TNRCC-0592A (Rev. 5/01/02) Page 1 of 2

writing and obtain approval from the executive director prior to initiating any of the following:

al or operational modification of any best management a tactices or structure(s), but not limited to temporary or permanent ponds, dams, terms, silt fences, and diversionary structures:

any mange in the nature or character of the regulated activity from that which was

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

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

Austin Regional Office San Antonio Regional Office 1921 Cedar Bend, Suite 150 14250 Judson Road San Antonio, Texas 78233-4480 Austin, Texas 78758-5336 Phone (210) 490-3096 Phone (512) 339-2929 Fax (210) 545-4329 Fax (512) 339-3795

ROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

HESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS

REFER TO SHEET NOTES C01 FOR CURRENT TCEQ NOTES

SUMMARY OF WATER QUALITY DESIGN PARAMETERS FOR ENTIRE 56.068-ACRE SITE

The overall site plan, sheet C-7 of the plan set, shows the entire 56.068-acre park/YMCA site to be developed in four (4) phases. Permit and construction drawings for Phase 1 comprise the plan set; however, water quality controls are to be constructed for Phases 1, 2 & 3. The future or final phase is the bulk of the park land.

Extra impervious cover of 2.76 acres for small future expansions to the plan are allocated as noted on the plan and in chart below.

	IMPERVIOUS COVER BY PHASES								
	Existing I.C.	Proposed I.C. Per Plan	Additional Allocated I.C.	Allocated I.C. For Design					
PHASE 1	0.494 Ac.	5.443 Ac.	0.10 Ac.	5.543 Ac.					
PHASE 2	Ø	1.857 Ac.	0.10 Ac.	1.957 Ac.					
PHASE 3	0.020 Ac.	0.870 Ac.	0.60 Ac.	1.470 Ac.					
FUTURE PHASE	1.549 Ac.	4.540 Ac.	1.49 Ac.	6.030 Ac.					
TOTALS	2.045 Ac.	12.710 Ac.	2.29 Ac.	14.998 Ac.					

The on-site drainage to the wet basin is broken down into three (3) drainage areas. Two of the three areas serve all improvements in Phases 1, 2 & 3. These areas (\leftarrow and \uparrow) drain to two forebays adjacent to the wet basin, which is the private lake adjacent to all phases. The future phase which is the primary park land area is presently draining in a sheet flow situation to the lake. This plan does not address how the forebays will be designed in the future phase. At the time of development of the future phase, a plan will be submitted to show forebays similar to those used for Phases 1, 2 & 3.

This plan set for Phases 1, 2 & 3 provides construction plans for construction of two forebays from drainage areas \(\) and \(\frac{1}{2} \). The impervious cover calculations for drainage areas are as follows:

	IM	PERVIOUS (COVER BY	DRAINAGE	AREA	ate dans a service of the service of
Drainage Area	Description of Drainage Area	Existing Impervious Cover	Proposed I.C. Per Plans	Additional Allocated I.C.	Allocated I.C. For Design	Remarks
1	Captures flows from the primary parking/drive areas & pool/airnasium areas	0.468 Ac.	5.573 Ac.	0.60 Ac.	6.173 Ac.	Drains to Forebay No. 1 adjacent to the wet basir (private lake).
2	Captures flows from a small drive/ parking area & YMCA building.	0.028 Ac.	2.597 Ac.	0.20 Ac.	2.797 Ac.	Drains to Forebay No. 2 adjacent to the wet basir (private lake).
3	Primary park area	1,549 Ac.	4.540 Ac.	1.49 Ac.	6.030 Ac.	Forebays not designed in this plan set. A plan submittal to TNRCC for this area is required prior for approval/construction.
TOTALS	incip.	2.045 Ac.	12.710 Ac.	2.29 Ac.	14.998 Ac.	

The proposed BMP for this project is the Wet Basin, per Section 3.2.7, 3.4.8 and 4.3 of the TNRCC Technical Guidance regulations.

The first step is to verify that the overall project area of 56.068 acres can be handled by the wet basin, which in this case is the private lake with an average surface area of 12.06 acres at the normal level of elevation 863.0. At 12.06 acres of surface area, we get a volume of 525,333 cubic feet in the first fcot of elevation below the surface (elevation 863.0 to 862.0). The lake has tapered banks and vegetation indicative of the requirements of Section 3.2.7. The lake is as much as 16 feet deep in the main body and averages 5 to 10 feet deep in most areas of the lake bottom at the low points.

With the requirement for the entire 56.068-acre site at 26.75% impervious (14.998 acres) equaling 63,500 cubic feet of volume, the lake with probably several million cubic feet and 525,333 cubic feet in the first foot of volume very easily handles the requirements and demonstrates that, even with the lake being an on-line basin, there is adequate water quality treatment capacity.

The sediment forebays for drainage areas 1 & 2 are sized for their prospective drainage areas, based on 20% of that pro-rata required basin volume (total of 63,500 c.f.). The

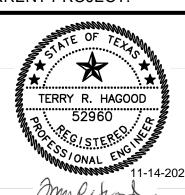
	SEDIMENT FO	DREBAY VOLU <i>N</i>	NES	
Drainage Area	Drainage Area in Acres	% of Total Water Quality Volume	20% of 66,500 c.f.	Min. Forebay Volume in Cubic Feet
1	6.8	12.13%	13300	1612.98
2	7.58	13.52%	13300	1798.00
3	41.79	74.53%	13300	9912.73

minimum forebey volumes (a minimum of 3 feet deep) are as follows:

Note: The forebox design for Davinage Are 3 will be determined in the design of final phase 4 of the project, requiring an additional contributing zone plan and SWPPP for that

The sediment forebays are designed to be primarily dry basins with overflow weirs at the 2- and 10-year storm events. The volume in the forebays will be routed in a ratio of 1:4, width to length, to intensify settlement. The volume captured will eventually perk

THIS SHEET IS FROM THE ORIGINAL 2002 TNRCC CZP APPROVAL. IT IS SHOWN FOR REFERENCE WITH **MODIFICATIONS INCLUDED** TO REPRESENT THE CURRENT PROJECT.



CALC2

PROJECT No.

 $\mathbf{M} \mathbf{\omega}$

GENERAL NOTES REVISED MARCH 22, 2021:

- GENERAL CONTRACTOR SHALL CALL FOR ALL UTILITY LOCATES PRIOR TO ANY CONSTRUCTION. WATER & WASTEWATER OWNED BY THE CITY OF CEDAR PARK CAN BE LOCATED BY CALLING TEXAS 811 AT 1-800-344-8377. ALLOW THREE BUSINESS DAYS FOR UTILITY LOCATES BY THE CITY OF CEDAR PARK.
- 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF AUSTIN STANDARD SPECIFICATIONS. CITY OF AUSTIN STANDARDS SHALL BE USED UNLESS OTHERWISE NOTED.
- A 3. DESIGN PROCEDURES SHALL BE IN GENERAL COMPLIANCE WITH THE CITY OF AUSTIN DRAINAGE CRITERIA MANUAL. ALL VARIANCES TO THE MANUAL ARE LISTED BELOW: N/A
- BENCHMARKS SHOULD BE TIED TO THE CITY OF CEDAR PARK BENCHMARKS AND BE CORRECTLY "GEO REFERENCED" TO STATE PLANE COORDINATES. A LIST OF THE CITY'S BENCHMARKS CAN BE FOUND AT: HTTP://WWW.CEDARPARKTEXAS.GOV/INDEX.ASPX?PAGE=793.
- PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR A SITE DEVELOPMENT PERMIT, THE RIGHT OF WAY BETWEEN THE Property line and edge of pavement / back of curb shall be revegetated according to coa specification 602s and 606S. PRIOR TO CITY ACCEPTANCE OFSUBDIVISION IMPROVEMENTS ALL GRADED AND DISTURBED AREAS SHALL BE RE-VEGETATED IN ACCORDANCE WITH THE CITY OF AUSTIN SPECIFICATION ITEM #604 NATIVE SEEDING UNLESS NON NATIVE IS SPECIFICALLY APPROVED.
- THE CONTRACTOR SHALL PROVIDE THE CITY OF CEDAR PARK COPIES OF ALL TEST RESULTS PRIOR TO ACCEPTANCE OF SUBDIVISION MPROVEMENTS.
- 7. CITY, OWNER, ENGINEER, CONTRACTOR, REPRESENTATIVES OF ALL UTILITY COMPANIES, AND A REPRESENTATIVE FROM THE TESTING LAB SHALL ATTEND PRE-CONSTRUCTION CONFERENCE PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE THE MEETING WITH THE CITY OF CEDAR PARK ENGINEERING DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO THIS PRE-CONSTRUCTION MEETING (512-401-5000). FINAL CONSTRUCTION PLANS SHALL BE DELIVERED TO ENGINEERING A MINIMUM OF SEVEN BUSINESS DAYS PRIOR TO REQUESTING A PRE-CONSTRUCTION MEETING.
- EXCESS SOIL SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. NOTIFY THE CITY OF CEDAR PARK IF THE DISPOSAL SITE IS INSIDE THE CITY'S JURISDICTIONAL BOUNDARIES.
- BURNING IS PROHIBITED.
- ANY CHANGES OR REVISIONS TO THESE PLANS MUST FIRST BE SUBMITTED TO THE CITY BY THE DESIGN ENGINEER FOR REVIEW AND WRITTEN APPROVAL PRIOR TO CONSTRUCTION OF THE REVISION. ALL CHANGES AND REVISIONS MADE TO THE DESIGN OF UTILITIES OR IMPACTS UTILITIES SHALL USE REVISION CLOUDS TO HIGHLIGHT ALL REVISIONS OR CHANGES WITH EACH SUBMITTAL. REVISION TRIANGLES SHALL BE USED TO MARK REVISIONS. ALL CLOUDS AND TRIANGLE MARKERS FROM PREVIOUS REVISIONS MAY BE REMOVED. REVISION INFORMATION SHALL BE UPDATED IN THE APPROPRIATE AREAS OF THE TITLE BLOCK.
- MINIMUM SETBACK REQUIREMENTS FOR EXISTING AND NEWLY PLANTED TREES FROM THE EDGE OF PAVEMENT TO CONFORM TO the requirements as shown in table 6-1 of the city of Austin's transportation criteria manual.
- 12. THE CONTRACTOR WILL REIMBURSE THE CITY FOR ALL COST INCURRED AS A RESULT OF ANY DAMAGE TO ANY CITY UTILITY OR ANY INFRASTRUCTURE WITHIN THE RIGHT-OF-WAY BY THE CONTRACTOR, REGARDLESS OF THESE PLANS.
- 13. AN ENGINEER'S CONCURRENCE LETTER AND ELECTRONIC 22"X34" RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY OR SUBDIVISION ACCEPTANCE. THE ENGINEER AND CONTRACTOR SHALL VERIFY THAT ALLFINAL REVISIONS AND CHANGES HAVE BEEN MADE TO RECORD DRAWINGS PRIOR TO CITY SUBMITTAL. RECORD CONSTRUCTION DRAWINGS, INCLUDING ROADWAY AND ALL UTILITIES, SHALL BE PROVIDED TO THE CITY IN AUTOCAD ". DWG" FILES AND ".PDF" FORMAT ON A CD OR DVD. LINE WEIGHTS, LINE TYPES AND TEXT SIZE SHALL BE SUCH THAT IF HALF-SIZE PRINTS (11"X 17") WERE PRODUCED, THE PLANS WOULD STILL BE LEGIBLE. ALL REQUIRED DIGITAL FILES SHALL CONTAIN A MINIMUM OF TWO (2) CONTROL POINTS REFERENCED TO THE STATE PLANE GRID COORDINATE SYSTEM – TEXAS CENTRAL ZONE (4203), IN US FEET AND SHALL INCLUDE ROTATION INFORMATION AND SCALE FACTOR REQUIRED TO REDUCE SURFACE COORDINATES TO GRID COORDINATES IN US FEET.
- 14. THE CITY OF CEDAR PARK HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT. IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE COMPLIANCE WITH ALL LEGISLATION RELATED TO ACCESSIBILITY WITHIN THE LIMITS OF CONSTRUCTION SHOWN IN THESE PLANS.
- ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWINGTHESE PLANS, THE CITY OF CEDAR PARK MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
- 16. NO BLASTING IS ALLOWED ON THIS PROJECT.
- 17. A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO ANY PARTIAL OR COMPLETE ROADWAY CLOSURES. TRAFFIC CONTROL PLANS SHALL BE SITE SPECIFIC AND SEAL BY A REGISTERED PROFESSIONAL ENGINEER.
- 18. THE CONTRACTOR SHALL KEEP THE SITE CLEAN AND MAINTAINED AT ALL TIMES, TO THE SATISFACTION OF THE CITY. THE SUBDIVISION WILL NOT BE ACCEPTED (OR CERTIFICATE OF OCCUPANCY ISSUED) UNTIL THE SITE HAS BEEN CLEANED TO THE SATISFACTION OF THE CITY.
- 19. SIGNS ARE NOT PERMITTED IN PUBLIC UTILITY EASEMENTS, SET BACKS OR DRAINAGE EASEMENTS.
- 20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT TEMPORARY EROSION CONTROLS ON A DAILY BASIS. ADJUST THE CONTROLS AND/OR REMOVE ANY SEDIMENT BUILDUP AS NECESSARY. A STOP WORK ORDER AND/OR FINE MAY BE IMPOSED IF THE EROSION CONTROLS ARE NOT MAINTAINED.
- A FINAL CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED ON COMMERCIAL SITES UNTIL ALL DISTURBED AREAS HAVE BEEN RE-VEGETATED. SUBSTANTIAL GRASS COVER, AS DETERMINED BY ENGINEERING DEPARTMENT, MUST BE ACHIEVED PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY. ALL EROSION CONTROLS MUST REMAIN IN PLACE AND MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN RE-VEGETATED TO THE ACCEPTANCE OF THE CITY OF CEDAR PARK ENGINEERING DEPARTMENT. PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR A SITE DEVELOPMENT PERMIT, THE RIGHT OF WAY BETWEEN THE PROPERTY LINE AND EDGE OF PAVEMENT / BACK OF CURB SHALL BE REVEGETATED ACCORDING TO COA SPECIFICATION 602S AND
- 22. CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS. CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER, ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM THE SITE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN A STOP WORK ORDER OR A FINE.
- 23. ALL WET UTILITIES SHALL BE INSTALLED AND ALL DENSITIES MUST HAVE PASSED INSPECTION(S) PRIOR TO THE INSTALLATION OF DRY UTILITIES.
- 24. A MINIMUM OF SEVEN DAYS OF CURE TIME IS REQUIRED FOR HMAC PRIOR TO THE INTRODUCTION OF VEHICULAR TRAFFIC TO ANY
- 25. PRIOR TO PLAN APPROVAL, THE ENGINEER SHALL SUBMIT TO THE ENGINEERING DEPARTMENT DOCUMENTATION OF Subdivision/site registration with the texas department of licensing and regulations (tdlr) and provide DOCUMENTATION OF REVIEW AND COMPLIANCE OF THE SUBDIVISION/SITE CONSTRUCTION PLANS WITH TEXAS ARCHITECTURAL BARRIERS ACT (TABA)
- 26. PRIOR TO SUBDIVISION/SITE ACCEPTANCE, THE ENGINEER/DEVELOPER-OWNER SHALL SUBMIT TO THE ENGINEERING DEPARTMENT DOCUMENTATION THAT THE SUBDIVISION/SITE WAS INSPECTED BY TDLR OR A REGISTERED ACCESSIBILITY SPECIALIST (RAS) AND THE SUBDIVISION/SITE IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE TABA.
- 27. ALL CONSTRUCTION AND CONSTRUCTION RELATED ACTIVITIES SHALL BE PERFORMED MONDAY THRU FRIDAY FROM 7:00 A.M. TO 6:00 P.M. HOWEVER, CONSTRUCTION ACTIVITIES WITHIN ONE HUNDRED FEET (100') OF A DWELLING OR DWELLING UNIT SHALL BE PERFORMED BETWEEN THE HOURS OF 8:00 AND 6:00 P.M. OTHERWISE ALL CONSTRUCTION AND CONSTRUCTION RELATED ACTIVITIES SHALL CONFORM TO CITY OF CEDAR PARK CODE OF ORDINANCES, SPECIFICALLY ARTICLE 8.08.
- APPROVAL FOR CONSTRUCTION ACTIVITIES PERFORMED ON OWNER'S HOLIDAYS, AND/OR SATURDAYS, OUTSIDE OF MONDAY THROUGH FRIDAY 8 AM TO 5 PM, OR IN EXCESS OF 8 HOURS PER DAY SHALL BE OBTAINED IN WRITING 48 HOURS IN ADVANCE, AND INSPECTION FEES AT 1.5 TIMES THE HOURLY INSPECTION RATE SHALL BE BILLED DIRECTLY TO THE CONTRACTOR. THERE SHALL BE NO CONSTRUCTION OR CONSTRUCTION RELATED ACTIVITIES PERFORMED ON SUNDAY. THE CITY RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT CITY INSPECTION.
- 29. ALL POLES TO BE APPROVED BY CITY AND PEC, NO CONDUIT SHALL BE INSTALLED DOWN LOT LINES / BETWEEN HOMES. ALL CONDUIT SHALL BE LOCATED IN THE PUBLIC ROW OR IN AN EASEMENT ADJACENT TO AND PARALLEL TO THE PUBLIC ROW.
- 30. DRY UTILITIES SHALL BE INSTALLED AFTER SUBGRADE IS CUT AND BEFORE FIRST COURSE BASE. NO TRENCHING OF COMPACTED BASE. IF NECESSARY DRY UTILITIES INSTALLED AFTER FIRST COURSE BASE SHALL BE BORED ACROSS THE FULL WIDTH OF THE ROW.

CITY OF CEDAR PARK GENERAL CONSTRUCTION NOTES

- 31. NO PONDING OF WATER SHALL BE ALLOWED TO COLLECT ON OR NEAR THE INTERSECTION OF PRIVATE DRIVEWAY(S) AND A PUBLIC STREET. RECONSTRUCTION OF THE DRIVEWAY APPROACH SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 32. ALL DRIVEWAY APPROACHES SHALL HAVE A UNIFORM TWO PERCENT SLOPE WITHIN THE ROW UNLESS APPROVED IN WRITING BY THE
- 33. CONTRACTORS ON SITE SHALL HAVE AN APPROVED SET OF PLANS AT ALL TIMES. FAILURE TO HAVE AN APPROVED SET MAY RESULT IN A STOP WORK ORDER.
- 34. CONTRACTOR TO CLEAR FIVE FEET BEYOND ALL RIGHT OF WAY TO PREVENT FUTURE VEGETATIVE GROWTH INTO THE SIDEWALK
- THERE SHALL BE NO WATER OR WASTEWATER APPURTENANCES, INCLUDING BUT NOT LIMITED TO, VALVES, FITTINGS, METERS, CLEAN-OUTS, MANHOLES, OR VAULTS IN ANY DRIVEWAY, SIDEWALK, TRAFFIC OR PEDESTRIAN AREA.
- 36. SIDEWALKS SHALL NOT USE CURB INLETS AS A PARTIAL WALKING SURFACE. SIDEWALKS SHALL NOT USE TRAFFIC CONTROL BOXES, METER OR CHECK VALVE VAULTS, COMMUNICATION VAULTS, OR OTHER BURIED OR PARTIALLY BURIED INFRASTRUCTURE AS A VEHICULAR OR PEDESTRIAN SURFACE.

- NO TRENCHING OF COMPACTED BASE WILL BE ALLOWED. A PENALTY AND/OR FINE MAY BE IMPOSED TO THE GENERAL CONTRACTOR IF TRENCHING OF COMPACTED BASE OCCURS WITHOUT CITY APPROVAL, REGARDLESS OF WHO PERFORMED THE TRENCHING.
- ALL SIDEWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CITY OF CEDAR PARK HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT, OR ANY OTHER ACCESSIBILITY LEGISLATION, AND DOES NOT WARRANTY OR APPROVE THESE PLANS FOR ANY ACCESSIBILITY STANDARDS.
- STREET BARRICADES SHALL BE INSTALLED ON ALL DEAD END STREETS AND AS NECESSARY DURING CONSTRUCTION TO MAINTAIN JOB
- ANY DAMAGE CAUSED TO EXISTING PAVEMENT, CURBS, SIDEWALKS, RAMPS, ETC., SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SUBDIVISION.
- AT INTERSECTIONS, WHICH HAVE VALLEY DRAINAGE, THE CROWN TO THE INTERSECTING STREET WILL BE CULMINATED AT A DISTANCE OF 40 FT. FROM THE INTERSECTING CURB LINE UNLESS OTHERWISE NOTED.
- THE SUBGRADE MATERIAL WAS TESTED BY ALLIANCE ENGINEERING GROUP ON JAN 19, 2021, THE PAVEMENT SECTIONS WERE DESIGNED ACCORDINGLY. THE PAVEMENT SECTIONS ARE TO BE CONSTRUCTED AS FOLLOWS: SEE DETAIL 03/C70

Pavement Sections

Traffic Conditions	Pavement Section (from top to the subgrade)
Parking Aroas	5" Portland Cement Concrete 6" Flexible Base* 6" Scarified/Moisture Conditioned Subgrade
Parking Areas	2" Hot-Mix Asphalt Concrete (2" TxDOT Item 340 Type D) 6" Flexible Base 6" Scarified/Moisture Conditioned Subgrade
Main Drive	6" Portland Cement Concrete 6" Flexible Base** 6" Scarified/Moisture Conditioned Subgrade
Lanes/Dumpster Area	3" Hot-Mix Asphalt Concrete (3" TxDOT Item 340 Type D 8" Flexible Base 6" Scarified/Moisture Conditioned Subgrade

- DENSITY TESTING OF COMPACTED SUBGRADE MATERIAL, FIRST COURSE AND SECOND COURSE COMPACTED BASE, SHALL BE MADE AT 500 FOOT INTERVALS.
- ALL DENSITY TESTING IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR AND SHALL BE WITNESSED BY THE CITY OF CEDAR PARK'S PROJECT REPRESENTATIVE. THE CONTRACTOR IS TO NOTIFY THE CITY 48HOURS PRIOR TO SCHEDULED DENSITY TESTING.
- TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND INSTALLED AS DIRECTED BY THE CITY OF CEDAR PARK PRIOR TO CITY ACCEPTANCE OF THE SUBDIVISION.
- 10. SLOPE OF NATURAL GROUND ADJACENT TO THE RIGHT-OF-WAY SHALL NOT EXCEED 3:1. IF A 3:1 SLOPE IS NOT POSSIBLE, A RETAINING WALL OR SOME OTHER FORM OF SLOPE PROTECTION APPROVED BY THE CITY SHALL BE PLACED IN A LOCATION ACCEPTABLE TO THE CITY.
- 11. THE CITY, ENGINEER, CONTRACTOR, AND A REPRESENTATIVE FROM THE ASPHALT TESTING LAB SHALL ATTEND A PRE-PAVING CONFERENCE PRIOR TO THE START OF HMAC PAVING. THE CONTRACTOR SHALL GIVE THE CITY A MINIMUM OF 48 HOURS NOTICE PRIOR TO THIS MEETING (512-401-5000).
- THE CONTRACTOR OR OWNER IS RESPONSIBLE FOR CONDUCTING TESTS ON ASPHALT PAVEMENT IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE CITY OF AUSTIN STANDARD SPECIFICATION NO. 340. ANY RE-TESTING OF THE ASPHALT PAVEMENT SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE ENGINEER AND THE CITY OF CEDAR PARK. RE-TESTING OF THE ASPHALT PAVEMENT SHALL BE LIMITED TO ONE RETEST PER PROJECT.
- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL COMPLY WITH MUTCD STANDARDS. STREET NAME LETTER SIZING SHALL BE IN ACCORDANCE WITH MUTCDTABLE2D-2.PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- 14. ALL STREET NAME SIGNS SHALL BE HIGH INTENSITY RETRO GRADE.
- NO FENCING OR WALL IS ALLOWED TO BE CONSTRUCTED SO THAT IT OBSTRUCTS THE SIGHT LINES OF DRIVERS FROM AN INTERSECTING PUBLIC ROADWAY OR FROM AN INTERSECTING PRIVATE DRIVEWAY. SIGHT LINES ARE TO BE MAINTAINED AS DESCRIBED IN CITY CODE SECTION 14.05.007. INSTALLING A FENCE OR WALL WHICH DOES NOT COMPLY WITH THE CITY'S SIGHT DISTANCE REQUIREMENTS OR FENCING REGULATIONS IS A VIOLATION OF THE CITY'S ORDINANCE AND MAY BE PUNISHABLE PURSUANT TO SECTION 1.01.009 OF CITY
- TEMPORARY ROCK CRUSHING OPERATIONS ARE NOT ALLOWED. ALL SOURCES FOR FLEXIBLE BASE MATERIAL ARE REQUIRED TO BE APPROVED BY THE CITY. PRIOR TO BASE PLACEMENT ALL CURRENT TRIAXIAL TEST REPORTS FOR THE PROPOSED STOCKPILES ARE TO BE SUBMITTED TO THE CITY'S PROJECT REPRESENTATIVE FOR REVIEW AND APPROVAL.
- UTILITY SERVICE BOXES OR OTHER UTILITY FACILITIES SHALL NOT BE INSTALLED WITHIN AREAS DETERMINED TO BE REQUIRED SIGHT LINES OF TWO INTERSECTING PUBLIC STREETS OR WITHIN SIGHT LINES OF A PRIVATE DRIVEWAY. SIGHT LINES ARE TO BE MAINTAINED COMPLIANT WITH TABLE 1-1 OF THE AUSTIN TRANSPORTATION CRITERIA MANUAL. UTILITIES DETERMINED BY THE DIRECTOR OF ENGINEERING TO BE PLACED WITHIN REQUIRED SIGHT LINES MAY BE REQUIRED TO BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR PRIOR TO THE CITY ISSUING A CERTIFICATE OF OCCUPANCY OR PRIOR TO THE CITY'S ACCEPTANCE OF THE PROJECT IMPROVEMENTS.
- 18. ALL LANE CLOSURES SHALL OCCUR ONLY BETWEEN THE HOURS OF 9 AM AND 4 PM. ANY NIGHT TIME LANE CLOSURES REQUIRE APPROVAL BY THE DIRECTOR OF ENGINEERING AND SHALL OCCUR BETWEEN THE HOURS OF 8 PM AND 6 AM. LANE CLOSURES OBSERVED BY CITY DURING THE PEAK HOURS OF 6AM TO 9 AM, OR 4 PM TO 8 PM WILL BE SUBJECT TO FINE PER CHAPTER 1 OF CITY ORDINANCE, AND/OR SUBSEQUENT ISSUANCE OF WORK STOPPAGE.
- IMPROVEMENTS THAT INCLUDE RECONSTRUCTION OF AN EXISTING TYPE II DRIVEWAY SHALL BE DONE IN A MANNER WHICH RETAINS OPERATIONS OF NOT LESS THAN HALF OF THE DRIVEWAY AT ALL TIMES. FULL CLOSURE OF SUCH DRIVEWAY CAN BE CONSIDERED WITH WRITTEN AUTHORIZATION RETAINED BY THE CONTRACTOR FROM THE PROPERTY OWNER(S) OR ACCESS EASEMENT RIGHT HOLDER(S) OF THE DRIVEWAY ALLOWING FULL CLOSURE OF THE DRIVEWAY.
- 20. TREES MUST NOT OVERHANG WITHIN 10' VERTICALLY OF A SIDEWALK, OR 18' VERTICALLY OF A ROADWAY OR DRIVEWAY.

- REFER TO THE CITY OF CEDAR PARK PUBLIC WORKS UTILITY POLICY AND SPECIFICATIONS MANUAL
- THE TOP OF VALVE STEMS SHALL BE AT LEAST 18", AND NO MORE THAN 36", BELOW FINISHED GRADE. VALVE STEM RISERS SHALL BE WELDED ON EACH END TO THE CITY'S SATISFACTION.
- FIRE HYDRANT LEADS TO BE DUCTILE IRON, CLASS 350, AND INSTALLED PER CITY OF AUSTIN STANDARD SPECIFICATIONS AND DETAIL.
- 4. PRIOR TO INSTALLATION OF FIRE HYDRANTS, THE ENGINEER WILL PROVIDE THE CONTRACTOR ONE (1) CUT FROM A HUB PIN, ESTABLISHING THE ELEVATION OF THE BURY LINE.
- THE ENGINEER SHALL PROVIDE CUTS FOR ALL WATER LINES AT ALL STORM SEWER CROSSINGS TO THE CITY OF CEDAR PARK.
- PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES:
- WATER- PVC, AWWA C-900, CLASS 200 DUCTILE IRON, AWWA C-100, CLASS 200
- COPPER PIPE AND FITTINGS ARE NOT PERMITTED WITHIN THE RIGHT-OF-WAY. MINIMUM DR-14 12" DIA AND SMALLER. MINIMUM CLASS 250 DI LARGER THAN 12" DIA.
- APPROVED 5 1/4" FIRE HYDRANTS: AMERICAN FLOW CONTROL, B84B
- MUELLER COMPANY, SUPER CENTURION 250
- CLOW MEDALLION HYDRANT AMERICAN AVK COMPANY, SERIES 27 (MODEL 2780)
- ALL FIRE HYDRANTS MUST MEET CITY OF CEDAR PARK THREAD SPECIFICATIONS (NATIONAL THREAD)
- LUE REFLECTOR MARKERS SHALL BE LOCATED ON THE CENTERLINE OF THE PAVEMENT ACROSS FROM ALL FIRE HYDRANTS. PAVEMENT MARKERS AT INTERSECTIONS SHALL BE FOUR-SIDED.
- SHOULD A TAPPING SADDLE BE APPROVED BY PUBLIC WORKS, THE SADDLE SHALL BE SMITH-BLAIR 662 STAINLESS STEEL TAPPING SLEEVES WITH ALL STAINLESS HARDWARE, OR APPROVED EQUAL. REQUESTS FOR ALTERNATE PROVIDERS SHALL BE MADE TO THE CITY OF CEDAR PARK PUBLIC WORKS. NO TAP EXCEEDING 2" IN DIAMETER WILL BE APPROVED.
- 9. ALL WATER LINES, INCLUDING SERVICE LINES, SHALL BE PRESSURE AND LEAK TESTED PER CITY OF AUSTIN STANDARD WITNESSED BY THE CITY OF CEDAR PARK REPRESENTATIVE. ALL TESTING IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE CONTRACTOR MAY BE REQUIRED TO RE-TEST LINES IF THE TESTING IS NOT WITNESSED BY CEDAR PARK 48 HOURS PRIOR TO ANY TESTING. THE CITY. CONTRACTOR MUST NOTIFY THE CITY OF
- ALL WATER LINES SHALL BE STERILIZED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR STERILIZATION AND THE CITY OF CEDAR PARK IS RESPONSIBLE FOR SUBMITTING BACTERIOLOGICAL SAMPLES TO THE STATE. PUBLIC WORKS WILL REQUIRE A CONTRACTOR SPECIALIZED IN DISINFECTION FOR LARGE DIAMETER LINES OR CRITICAL INFRASTRUCTURE, SUBSIDIARY TO PIPE INSTALLATION.
- 11. DENSITY TESTING OF COMPACTED BACKFILL SHALL BE MADE AT A RATE OF ONE TEST PER TWO FOOT LIFTS PER 500 FEET OF INSTALLED PIPE.
- 12. CONTRACTOR TO OBTAIN A WATER METER FROM THE CITY OF CEDAR PARK FOR ANY WATER THAT MAY BE REQUIRED DURING CONSTRUCTION. (512-401-5000)
- 13. ALL WATER METER BOXES SHALL BE FORD GULF METER BOX WITH LOCKING LID.
- SINGLE G-148-233
- DUAL DG-148-243
- 1" METER YL111 444
- 1 ½" 2" METER 1730-R (LID) & 1730-12 (BOX)/ACCEPTABLE BOXES FOR THIS SIZE
- 14. MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE, WHEN IN PUBLIC OWNER'S EXPENSE BY THE CONTRACTOR WITH CITY INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION.
- 15. THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS IS THE BEST AVAILABLE AND MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE
- ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH AT LEAST 8 MIL. POLYETHYLENE WRAP
- 17. ALL WATER MAINS, WASTEWATER MAINS AND SERVICE LINES SHALL MEET CITY OF AUSTIN SPECIFICATIONS FOR MINIMUM COVER REQUIREMENTS. ALL STREETS ARE TO BE CUT TO SUBGRADE PRIOR TO INSTALLATION OF WATER MAINS OR CUTS WILL BE ISSUED BY THE
- 18. CITY TO BE GIVEN 48 HOURS NOTICE PRIOR TO ALL TESTING OF WATER AND WASTEWATER LINES. CITY INSPECTION IS REQUIRED FOR ALL TESTING OF WATER AND WASTEWATER LINES.
- 19. WHERE A WATER OR WASTEWATER LINE CROSSES ABOVE (OR BELOW) A STORM SEWER STRUCTURE AND THE BOTTOM (OR TOP) OF WITHIN 18 INCHES OF THE TOP (OR BOTTOM) OF THE UTILITY STRUCTURE, THE PIPE SHALL BE ENCASED WITH CONCRETE FOR A DISTANCE OF AT LEAST 1 FT. ON EITHER SIDE OF THE DITCH LINE OF THE UTILITY STRUCTURE OR THE STORM SEWER. CONCRETE ENCASEMENT WILL NOT BE REQUIRED FOR DUCTILE IRON (THICKNESS CLASS 50), AWWA C-900 (SDR- 18) 150 PSIRATED PVC IN SIZESTO 12 INCHES OR AWWA C-905 (SDR-25) 165 PSI RATED PVC IN SIZES LARGER THAN 12 INCHES. CONCRETE ENCASEMENT SHALL CONFORM TO C.O.A. STANDARD DETAIL 505-1.
- 20. CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- 21. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.
- 22. TRACER TAPE SHALL BE INSTALLED ON ALL WATER AND WASTEWATER MAINS REGARDLESS OF THE TYPE OF PIPE OR DEPTH OF PIPE INSTALLED.
- 23. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS "A" (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.
- 24. THE CITY CONSIDERS PROTECTION OF ITS WATER SYSTEM PARAMOUNT TO CONSTRUCTION ACTIVITIES. CITY PERSONNEL WILL AUTHORIZE THE CONTRACTOR TO OPERATE, ALL WATER VALVES THAT WILL PASS THROUGH THE CITY'S POTABLE WATER. THE CONTRACTOR MAY NOT OPERATE ANY WATER VALVE, EXISTING OR PROPOSED, THAT WILL ALLOW WATER FROM THE CITY'S WATER SYSTEM TO FLOW TO A PROPOSED OR EXISTING WATER SYSTEM WITHOUT THE EXPRESS CONSENT OF THE CITY. NOTIFY THE CITY TWO BUSINESS DAYS IN ADVANCE OF ANY REQUEST TO OPERATE A WATER VALVE. THE GENERAL CONTRACTOR MAY BE FINED \$500 OR MORE, INCLUDING ADDITIONAL THEFT OF WATER FINES, IF A WATER VALVE IS OPERATED IN AN UNAUTHORIZED MANNER, REGARDLESS OF WHO OPERATED THE VALVE.
- 25. ALL WATER VALVES OVER 24" IN SIZE SHALL HAVE A BY-PASS LINE AND VALVE INSTALLED. BY-PASS VALVES AND LINES ARE SUBSIDIARY TO THE COST OF THE VALVE UNLESS SPECIFICALLY IDENTIFIED ON THE BID FORM.
- 26. ALL WATER VALVES, INCLUDING THOSE OVER 12" IN SIZE, SHALL BE GATE VALVES. 27. A DOUBLE CHECK BACKFLOW DEVICE IN A VAULT SHALL BE INSTALLED AT THE PROPERTY LINE ON ALL PRIVATEFIRE LINES. A METER WILL BE INSTALLED ON THIS BACKFLOW DEVICE, AND IT MUST BE A SENSUS SRII 3/4" METER WITH AMI RADIO READ CAPABILITY. THE CITY WILL PROVIDE THIS METER. PLEASE REFERENCE THE CITY OF CEDAR PARK DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY DETAIL.
- 28. ALL POTABLE WATER SYSTEM COMPONENTS INSTALLED AFTER JANUARY 4, 2014, SHALL BE "LEAD FREE" ACCORDING TO THE UNITED STATES SAFE DRINKING WATER ACT. THE ONLY COMPONENTS EXEMPT FROM THIS REQUIREMENT ARE FIRE HYDRANTS. COMPONENTS THAT ARE NOT CLEARLY IDENTIFIED BY THE MANUFACTURER AS MEETING THIS REQUIREMENT BY MARKING, OR ON THE PRODUCT PACKAGING, OR BY PRE-APPROVED SUBMITTAL, WILL BE REJECTED FOR USE. A NSF CERTIFICATION WILL BE ADEQUATE IF THE CERTIFICATION HAS NOT EXPIRED AS OF JANUARY 4, 2014 AND REMAINS UNEXPIRED AT THE TIME OF CONSTRUCTION.
- 29. ALL PRESSURE PIPE SHALL HAVE MECHANICAL RESTRAINT AND CONCRETE THRUST BLOCKING AT ALL VALVES, BENDS, TEES, PLUGS, AND OTHER FITTINGS.

WASTEWATER NOTES

- REFER TO THE CITY OF CEDAR PARK PUBLIC WORKS UTILITY POLICY AND SPECIFICATIONS
- MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH THE CITY APPROVAL. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING
- 3. THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO BIDDING THE PROJECT.
- ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH AT LEAST 8 MIL. POLYETHYLENE
- ALL WATER MAINS, WASTEWATER MAINS AND SERVICE LINES SHALL MEET CITY OF AUSTIN MINIMUM COVER SPECIFICATIONS. ALL STREETS ARE TO BE CUT TO SUBGRADE PRIOR TO INSTALLATION OF WATER MAINS OR CUTS WILL BE ISSUED BY THE ENGINEER.
- 6. WHERE 48-INCHES OF COVER BELOW SUBGRADE CANNOT BE ACHIEVED FOR WASTEWATER SERVICE LINES ALTERNATE MATERIALS MAY BE USED. A MINIMUM OF 36-INCHES OF COVER BELOW SUBGRADE SHALL BE ACHIEVED. ANY WASTEWATER SERVICE LINE WITH COVER BETWEEN 36-INCH AND 48- INCHES SHALL BE SDR-26 PVC PRESSURE PIPE.
- 7. GASKETED PVC SEWER MAIN FITTINGS SHALL BE USED TO CONNECT SDR-35 PVC TO SDR-26 PVC PRESSURE PIPE OR C-900.
- PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: WASTEWATER- PVC, ASTM D2241 OR D3034, SDR 26 FORCE MAIN- N/A
- (NOTE: IF USING PVC, SDR-26 IS REQUIRED, SDR-35 WW IS NOT ALLOWED. FORCEMAINS SHALL BE EPOXY LINED DUCTILE IRON)

WASTEWATER LINES AT THE CONTRACTOR'S EXPENSE. NO SEPARATE PAY UNLESS NOTED

- 9. ALL SANITARY SEWERS, EXCLUDING SERVICE LINES, SHALL BE MANDREL TESTED PER TCEQ (TEXAS COMMISSION ON ENVIRONMENTAL QUALITY) CRITERIA. A MANDREL TEST WILL
- NOT BE PERFORMED UNTIL BACKFILL HAS BEEN IN PLACE FOR A MINIMUM OF 30 DAYS. 10. ALL WASTEWATER LINES 10" AND LARGER SHALL BE VIDEO INSPECTED IN ACCORDANCE WITH CITY OF CEDAR PARK PUBLIC WORKS DEPARTMENT UTILITY POLICY AND STANDARD SPECIFICATIONS MANUAL APPENDIX E: REQUIREMENTS FOR VIDEO INSPECTION OF
- 11. ALL SANITARY SEWERS, INCLUDING SERVICE LINES, SHALL BE AIR TESTED PER CITY OF

AUSTIN STANDARD SPECIFICATIONS.

- 12. DENSITY TESTING OF COMPACTED BACKFILL SHALL BE MADE AT A RATE OF ONE TEST PER TWO FOOT LIFTS PER 500 FEET OF INSTALLED PIPE.
- 13. CITY SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO ALL TESTING OF WATER AND WASTEWATER LINES. CITY INSPECTION IS REQUIRED FOR ALL TESTING OF WATER AND
- 14. WHERE A WATER OR WASTEWATER LINE CROSSES ABOVE (OR BELOW) A STORM SEWER STRUCTURE AND THE BOTTOM (OR TOP) OF THE PIPE IS WITHIN 18 INCHES OF THE TOP (OR BOTTOM) OF THE UTILITY STRUCTURE, THE PIPE SHALL BE ENCASED WITH CONCRETE FOR A DISTANCE OF AT LEAST 1 FT. ON EITHER SIDE OF THE DITCH LINE OF THE UTILITY STRUCTURE OR THE STORM SEWER. CONCRETE ENCASEMENT WILL NOT BE REQUIRED FOR DUCTILE IRON (THICKNESS CLASS 50), AWWA C-900 (SDR- 18) 150 PSI RATED PVC IN SIZES TO 12 INCHES OR AWWA C-905 (SDR-25) 165 PSI RATED PVC IN SIZES LARGER THAN 12 INCHES. CONCRETE ENCASEMENT SHALL CONFORM TO C.O.A. STANDARD DETAIL 505-1.
- 15. THE ALLOWABLE (MAXIMUM) ADJUSTMENT FOR A MANHOLE SHALL BE 12" (INCHES) OR
- 16. WHERE A SEWER LINE CROSSES A WATER LINE, THE SEWER LINE SHALL BE ONE 20 FT. JOINT OF 150 PSI RATED PVC CENTERED ON CROSSING
- 17. ALL MANHOLE AND INLET COVERS SHALL READ "CITY OF CEDAR PARK".
- CONTRACTOR TO NOTIFY, AND OBTAIN APPROVAL FROM, THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING CITY UTILITIES.
- 19. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD

SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.

21. ALL WASTEWATER MANHOLES TO BE COATED WITH ORGANIC MATERIALS AND PROCEDURES LISTED IN CITY OF AUSTIN QUALIFIED PRODUCTS LIST NO. WW-511 (WW-511A AND WW-511B ARE NOT ALLOWED UNLESS MANHOLE IS BEING STRUCTURALLY REHABILITATED WITH APPROVAL BY PUBLIC WORKS). ALL MANHOLES WILL BE PRE-COATED

20. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS "A" (5

- 22. POLYBRID COATINGS ON WASTEWATER MANHOLES WILL NOT BE ALLOWED. ANY OTHER PRODUCT APPEARING ON THE COA SPL WW-511 IS ACCEPTABLE.
- 23. ALL PENETRATIONS OF EXISTING WASTEWATER MANHOLES ARE REQUIRED TO BE RE-COATED IN ACCORDANCE WITH THE SPECIFICATIONS LISTED IN NOTE 20.
- 24. ALL MANHOLES WILL BE VACUUM TESTED ONLY.

OR COATED AFTER TESTING.

- 25. TRACER TAPE AND MARKING TAPE SHALL BE INSTALLED ON ALL WATER AND WASTEWATER MAINS IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS, REGARDLESS OF THE TYPE OF PIPE.
- 26. ALL PRESSURE PIPE SHALL HAVE MECHANICAL RESTRAINT AND CONCRETE THRUST BLOCKING AT ALL VALVES, BENDS, TEES, PLUGS, AND OTHER FITTINGS.

Schaefer Architecture 257 N. Broadway Wichita, KS, 67202 316.684.0171



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HAGOOD

900 E. Main Street

Round Rock, TX 78664

Phone (512) 244-1546

Fax (512) 244-1010

TBPE Registration No. F-12709

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GENERAL NOTES 12

STORM SEWER NOTES:

- MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE RAISED TO FINISHED PAVEMENT GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR WITH CITY INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION. CONTRACTOR SHALL BACKFILL AROUND MANHOLES AND JUNCTION BOXES WITH CLASS A CONCRETE.
- ALL MANHOLE LIDS SHALL BE 32" OR LARGER, UNLESS EXPRESSLY APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.
- 3. THE LOCATION OF ANY EXISTING UTILITY LINES SHOWN ON THESE PLANS IS THE BEST AVAILABLE AND MAY NOT BE ACCURATE. ANY DAMAGE TO EXISTING UTILITY LINES, BOTH KNOWN AND UNKNOWN, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- PIPE MATERIALS TO BE USED FOR CONSTRUCTION OF UTILITY LINES: UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, ALL STORM SEWER RCP SHALL BE CLASS III. CORRUGATED METAL PIPE IS NOT PERMITTED.
- ALL MANHOLE AND INLET COVERS SHALL READ "CITY OF CEDAR PARK".
- CONTRACTOR TO NOTIFY THE CITY OF CEDAR PARK 48 HOURS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- ALL PIPE BEDDING MATERIAL SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATIONS.
- UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ALL CONCRETE IS TO BE CLASS "A" (5 SACK, 3000 PSI ~ 28-DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 60.
- CONTRACTOR TO INSTALL AND MAINTAIN GEO-TEXTILE FABRIC BARRIER (INLET PROTECTION) AROUND STORM SEWER LEADS AND INLETS TO Prevent silt and other material from entering the Storm Sewer Collection System.
- INSTALL CONCRETE SAFETY END TREATMENTS TO ALL CULVERTS AND ENDS OF DRAINAGE PIPE.
- 11. ALL CURB INLETS SHALL HAVE AN ALMETEK 4" DISC "NO DUMPING DRAINS TO WATERWAY" MARKER.

SEQUENCE OF CONSTRUCTION NOTES:

THE FOLLOWING SEQUENCE OF CONSTRUCTION SHALL BE USED FOR ALL DEVELOPMENT. THE APPLICANT IS ENCOURAGED TO PROVIDE ANY ADDITIONAL DETAILS APPROPRIATE FOR THE PARTICULAR DEVELOPMENT.

- TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN OR SUBDIVISION CONSTRUCTION PLAN AND IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION AND INITIATE TREE MITIGATION MEASURES.
- THE GENERAL CONTRACTOR MUST CONTACT THE CITY INSPECTOR AT 512-401-5000, 72 HOURS PRIOR TO THE SCHEDULED DATE OF THE REQUIRED ON-SITE PRECONSTRUCTION MEETING.
- THE GENERAL CONTRACTOR WILL FOLLOW THE EROSION SEDIMENTATION CONTROL PLAN (ESC.) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE REVISED, IF NEEDED, TO COMPLY WITH CITY INSPECTORS' DIRECTIVES, AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER QUALITY PLAN REQUIREMENTS AND THE EROSION PLAN.
- ROUGH GRADE THE POND(S) AT 100% PROPOSED CAPACITY. EITHER THE PERMANENT OUTLET STRUCTURE OR A TEMPORARY OUTLET MUST BE CONSTRUCTED PRIOR TO DEVELOPMENT OF EMBANKMENT OR EXCAVATION THAT LEADS TO PONDING CONDITIONS. THE OUTLET SYSTEM MUST CONSIST OF A SUMP PIT OUTLET AND AN EMERGENCY SPILLWAY MEETING THE REQUIREMENTS OF THE CITY OF AUSTIN DRAINAGE CRITERIA MANUAL, AS REQUIRED. THE OUTLET SYSTEM SHALL BE PROTECTED FROM EROSION AND SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION UNTIL INSTALLATION OF THE PERMANENT WATER QUALITY POND(S).
- TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.
- 6. BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
- UNDERGROUND UTILITIES WILL BE INSTALLED, INCLUDING FIRE HYDRANTS.
- 8. FIRE DEPARTMENT ACCESS WILL BE INSTALLED WHERE REQUIRED BY APPROVED SITE PLAN.
- VERTICAL CONSTRUCTION MAY OCCUR AFTER THE PRE-VERTICAL INSPECTION HAS BEEN CLEARED BY THE FIRE MARSHAL.
- 10. PERMANENT WATER QUALITY PONDS OR CONTROLS WILL BE CLEANED OUT AND FILTER MEDIA WILL BE INSTALLED PRIOR TO/CONCURRENTLY WITH REVEGETATION OF SITE.
- 11. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.
- 12. UPON COMPLETION OF THE SITE CONSTRUCTION AND REVEGETATION OF A PROJECT SITE, THE DESIGN ENGINEER SHALL SUBMIT AN ENGINEER'S LETTER OF CONCURRENCE BEARING THE ENGINEER'S SEAL, SIGNATURE, AND DATE TO THE CITY INDICATING THAT CONSTRUCTION, INCLUDING REVEGETATION, IS COMPLETE AND IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE CITY INSPECTOR.
- UPON COMPLETION OF LANDSCAPE INSTALLATION OF A PROJECT SITE, THE LANDSCAPE ARCHITECT. SHALL SUBMIT A LETTER OF CONCURRENCE TO THE CITY INDICATING THAT THE REQUIRED LANDSCAPING IS COMPLETE AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE CITY INSPECTOR.
- 14. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE CITY INSPECTOR, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND COMPLETE ANY NECESSARY FINAL REVEGETATION RESULTING FROM REMOVAL OF THE CONTROLS. CONDUCT ANY MAINTENANCE AND REHABILITATION OF THE WATER QUALITY PONDS OR CONTROLS.

FIRE DEPARTMENT NOTES

- EMERGENCY RADIO COVERAGE (ERCC) IS A CRITICAL COMPONENT OF ALL SITE DEVELOPMENT AND BUILDING CONSTRUCTION AND MUST BE CONTEMPLATED EARLY IN THE DEVELOPMENT PROCESS. ERCC IS REQUIRED FOR ALL NEW AND EXISTING BUILDINGS.
- TESTING FOR ERCC IS THE RESPONSIBILITY OF THE BUILDING OWNER OR REPRESENTATIVE.
- TESTING MUST BE IN COMPLIANCE WITH 2021 IFC SECTION 510.
- TESTING IS REQUIRED FOR:
- BUILDINGS WITH ANY SUB-GRADE FLOOR, INCLUDING PARKING.
- ANY BUILDING OVER 50,000 SQUARE FEET.
- ANY BUILDING MORE THAN 3 STORIES ABOVE GRADE PLANE.
- ANY MULTI-STORY TILT WALL BUILDING. ANY BUILDING WHERE LOSS OF SIGNAL STRENGTH BECOMES EVIDENT.
- 2. EXCEPTION: 1- AND 2-FAMILY DWELLINGS AND TOWNHOMES.
 - TESTING MUST BE COMPLETED AFTER THE BUILDING HAS THE INTERIOR WALLS, EXTERIOR WALLS, ELEVATOR SHAFTS, STAIR SHAFTS, AND ROOF COMPLETED, AND REMEDIATION, IF NECESSARY, MUST BE COMPLETE PRIOR TO ISSUANCE OF A CERTIFICATE OF
 - REMEDIATION MUST BE IN COMPLIANCE WITH 2021 IFC SECTION 510.
 - EXCEPTION: PLANS MAY STATE THAT TESTING AND REMEDIATION WILL BE IN ACCORDANCE WITH 2021 IFC SECTION 510, HOWEVER A COMBINATION OF THE TWO CODES WILL NOT BE ALLOWED. TESTING AND REMEDIATION MUST BOTH BE IN ACCORDANCE WITH THE SAME STANDARD.

3. FIRE APPARATUS ACCESS ROADS (FIRE LANES)

- MUST COMPLY WITH 2021 INTERNATIONAL FIRE CODE (IFC) CHAPTER 5 AND APPENDICES B THROUGH I, L AND N, AND CITY OF CEDAR PARK CODE OF ORDINANCES SECTION 5.01 (FIRE CODEAMENDMENTS).
- MUST BE CONSTRUCTED OF ASPHALT OR CONCRETE TO SUPPORT AN IMPOSED VEHICLE LOAD OF 90,000 POUNDS.
- GRASS PAVERS AND OTHER ALTERNATIVE MATERIALS ARE NOT ALLOWED. MUST PROVIDE ACCESS TO WITHIN 150 FEET OF ALL PORTIONS OF THE EXTERIOR OF THE BUILDING.
- ACCESS ALLOWANCE IS EXTENDED TO 175 FEET FOR A FULLY-SPRINKLED BUILDING. MUST HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET, EXCEPT THAT AT LEAST 26 FEET SHALL BE REQUIRED WHERE HYDRANTS ARE REQUIRED ALONG THE FIRE LANE OR DEAD-END DISTANCES REACH 500 FEET OR GREATER, OR WHERE REQUIRED BY OTHER DEPARTMENTS FOR MOBILITY PURPOSES.
- MUST HAVE A MINIMUM INSIDE TURNING RADIUS OF 25 FEET, AND A MINIMUM OUTSIDE TURNING RADIUS OF 50 FEET
 - THE MINIMUM RADII MUST BE CARRIED THROUGHOUT THE TURNING MOVEMENT, FROM AND TO ALL REQUIRED FIRE LANES. EXAMPLE: A FIRE LANE THAT TURNS 180-DEGREES MUST HAVE A MEDIAN DEPTH OF AT LEAST 50 FEET.
- F. MUST NOT HAVE A DEAD-END OF MORE THAN 150 FEET WITHOUT AN APPROVED TURN-AROUND AT THE DEAD-END. DRAWINGS FOR APPROVED TURN-AROUNDS MAY BE FOUND IN THE 2021 IFC, APPENDIX D AS AMENDED.
 - MUST BE 26 FEET WIDE IF THE DEAD END IS 500 FEET OR LONGER.
 - MUST HAVE ENLARGED RADII, PER ILLUSTRATION.
 - 150-500-FOOT DEAD END REQUIRES 96-FOOT DIAMETER CUL-DE-SAC, 120-FOOT HAMMERHEAD, OR THE ALTERNATIVE TO THE HAMMERHEAD.
 - 501-750-FOOT DEAD END REQUIRES 96-FOOT DIAMETER CUL-DE-SAC
 - 751-1000-FOOT DEAD END REQUIRES 108-FOOT DIAMETER CUL-DE-SAC
 - DEAD-ENDS OVER 1000 FEET NOT ALLOWED.
- G. SHALL NOT EXCEED A GRADE OF MORE THAN 10% ALONG ANY SECTION OF FIRE LANE.
- SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF MORE THAN 8% ALONG THE ANGLES OF APPROACH AND DEPARTURE, MEASURED ON A ROLLING 50-STRETCH OF FIRE LANE. THIS INCLUDES TRANSITIONS ACROSS SIDEWALKS AND CROSS-CONNECTING STREETS, DRIVES, AND FIRE LANES.
- MUST BE MARKED WITH RED TRAFFIC PAINT OR DYE ALONG BOTH SIDES OF THE FIRE LANE IN AN CONTINUOUS STRIPE A MINIMUM
- STRIPE MUST USE THE CURB FACE WHERE AVAILABLE, AND MUST CONTINUE ALONG THE PAVEMENT WHERE NO CURB FACE
- MUST STENCIL FIRE LANE TOW AWAY ZONE IN WHITE LETTERS A MINIMUM OF 3 INCHES HIGH, NO FURTHER THAN 35 FEET BETWEEN STENCILS. PLACE ON CURB FACE WHERE AVAILABLE.

3. FIRE LANES DURING CONSTRUCTION

- A. ALL FIRE LANES SHOWN ON THE FIRE PROTECTION SHEET MUST BE IN PLACE PRIOR TO THE ONSET OF VERTICAL CONSTRUCTION, AND PRIOR TO THE DELIVERY OF ANY COMBUSTIBLE MATERIALS TO THE SITE.
 - COMPACTED BASE MAY BE USED AS FIRE APPARATUS ACCESS ROAD DURING CONSTRUCTION IF APPROVED BY THE FIRE
 - - PERMISSION MUST BE GRANTED IN WRITING. A COMPACTION REPORT SHALL BE SUBMITTED BY A THIRD-PARTY GROUP PRIOR TO VERTICAL CONSTRUCTION AND AT ANY TIME THROUGHOUT THE CONSTRUCTION PROCESS WHEN DEEMED NECESSARY BY THE FIRE PREVENTION DIVISION. REPORT MUST SHOW 100% OF OPTIMAL DENSITY THROUGHOUT THE FIRE LANE, MEASURED EVERY 50
 - FAILURE TO MAINTAIN COMPACTED BASE MAY RESULT IN A HALT IN CONSTRUCTION UNTIL ACCESS IS RESTORED
 - ACCORDING TO THESE STANDARDS. EVEN WITH COMPACTED BASE, ALL CONCRETE DRIVEWAY APPROACHES MUST BE INSTALLED.
 - TEMPORARY FIRE LANES MUST STILL BE IDENTIFIED AS FIRE LANES METHOD TO BE APPROVED BY THE FIRE
- PREVENTION DIVISION. B. FIRE LANES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS. AND MUST BE KEPT CLEAR AT ALL TIME. BLOCKING
- THE FIRE LANE WITH CONSTRUCTION EQUIPMENT OR MATERIALS IS NOT PERMITTED. FIRE PROTECTION DURING CONSTRUCTION A. IN ADDITION TO THE FIRE LANE, ALL FIRE HYDRANTS NEED TO BE INSTALLED, TESTED. AND FUNCTIONAL PRIOR TO THE ONSET OF
- VERTICAL CONSTRUCTION, AND PRIOR TO THE DELIVERY OF COMBUSTIBLE MATERIALS. NO BURNING OF MATERIALS ON SITE ALLOWED.
- NO SMOKING ALLOWED INSIDE ANY BUILDING UNDER CONSTRUCTION, NOR WITHIN 10 FEET OF COMBUSTIBLE CONSTRUCTION. SITE SUPERVISOR SHALL DESIGNATE SMOKING AREAS AWAY FROM THE BUILDING UNDER CONSTRUCTION.
- SITE AND BUILDING SHALL BE KEPT FREE OF DEBRIS AND WASTE MATERIALS.
- STANDPIPE FOR FIRE PROTECTION, IF REQUIRED, SHALL BE INSTALLED BEFORE A BUILDING UNDER CONSTRUCTION REACHES 40 FEET IN HEIGHT, AND SHALL BE EXTENDED PER FLOOR UP TO ONE FLOOR BELOW THE HIGHEST PROGRESSED FLOOR.
- BUILDINGS SHALL NOT BE OCCUPIED, NOR SHALL ANY COMBUSTIBLE ITEMS NOT RELATED TO THE CONSTRUCTION PROCESS BE
- BROUGHT INTO THE BUILDING PRIOR TO ACCEPTANCE OF ALL REQUIRED FIRE PROTECTION SYSTEMS. G. ALL CONSTRUCTION VEHICLES AND THOSE DRIVEN BY THE CONTRACTORS AND THEIR SUB-CONTRACTORS SHALL BE MAINTAINED
- ON THE LOT THAT IS UNDER CONSTRUCTION.
- BUILDINGS UNDER CONSTRUCTION SHALL HAVE PORTABLE FIRE EXTINGUISHERS:
- AT EACH STAIRWAY ON ALL FLOOR LEVELS. IN EVERY STORAGE AND CONSTRUCTION SHED.
- ANYWHERE A SPECIAL HAZARD EXISTS, SUCH AS FLAMMABLE LIQUID STORAGE OR USE.
- FIRE HYDRANTS
 - A. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH 2021 IFC CHAPTER 5 AND APPENDICES B AND C, INCLUDING ALL FOOTNOTES IN TABLE C102.1. ANY HYDRANT USED TO SERVE THE FIRE FLOW FOR A BUILDING MUST BE WITHIN 400 FEET OF THE BUILDING, AND MUST BE
 - POSITIONED ALONG A FIRE LANE.
 - HYDRANTS SHALL BE INSTALLED AT LEAST 3 FEET FROM BACK OF CURB ON THE FIRE LANE, BUT NOT MORE THAN 6 FEET. HYDRANTS SHALL BE INSTALLED SUCH THAT THE CENTER OF THE 5" CAP MEASURES AT LEAST 18 INCHES FROM FINISHED GRADE,
 - HYDRANTS ARE REQUIRED WITHIN 100 FEET OF A FIRE DEPARTMENT CONNECTION OR STANDPIPE SYSTEM, MEASURED AS THE HOSE
- WOULD LAY ALONG THE FIRE LANE. THIS HYDRANT SHALL NOT SUBSTITUTE FOR THE HYDRANT(S) REQUIRED BY SECTION 507.5.1. 6. THE 5" CAP MUST FACE THE FIRE LANE.
- A. APPROVED FIRE APPARATUS TURN-AROUNDS
 - DRAWINGS FOR APPROVED TURN-AROUNDS MAY BE FOUND IN THE 2021 IFC, APPENDIX D AS AMENDED.
 - 150-500-FOOT DEAD END REQUIRES 96-FOOT DIAMETER CUL-DE-SAC, 120-FOOT HAMMERHEAD, OR THE ALTERNATIVE TO THE HAMMERHEAD.
 - 501-750-FOOT DEAD END REQUIRES 96-FOOT DIAMETER CUL-DE-SAC
 - 751-1000-FOOT DEAD END REQUIRES 108-FOOT DIAMETER CUL-DE-SAC
 - DEAD-ENDS OVER 1000 FEET NOT ALLOWED.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY CONTRIBUTING ZONE PLAN GENERAL CONSTRUCTION NOTES

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

- THE NAME OF THE APPROVED PROJECT;

- ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED
- 4. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY 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.
- 5. 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.
- 6. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS WHEN IT OCCUPIES
- 7. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
- IF PORTIONS OF THE SITE WILL HAVE A CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS,
- 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
- THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
- THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A
- THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
- 11. THE HOLDER OF ANY APPROVED CZP MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
 - ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY BEST MANAGEMENT PRACTICES (BMPS) OR STRUCTURE(S), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;
 - ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED; ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE
 - ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE APPROVED CONTRIBUTING ZONE PLAN.

AUSTIN REGIONAL OFFICE 12100 PARK 35 CIRCLE, BUILDING A AUSTIN, TEXAS 78753-1808 PHONE (512) 339-2929 FAX (512) 339-3795

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

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

WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN (CZP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ONSITE. 3. NO HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY

- SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
- 50% OF THE BASIN'S DESIGN CAPACITY.
- ALL EXCAVATED MATERIAL THAT WILL BE STORED ON-SITE MUST HAVE PROPER E&S CONTROLS.
- SHALL BE INITIATED AS SOON AS POSSIBLE.
- 10. THE FOLLOWING RECORDS SHOULD BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
- PORTION OF THE SITE; AND
- - EDWARDS AQUIFER; OR

 IRON ROD FOUND/SE ■ CONCRETE MONUMENT FOUND/SE ▲ NAIL FOUND/SET STORMWATER MANHOLE (TO SCALE) JUNCTION BOX (TO SCALE)

GRATE INLET (TO SCALE) WASTEWATER MANHOLE (TO SCALE) WASTEWATER CLEANOU SIGNAL LIGHT POLE

TELEPHONE MANHO

FIRE HYDRANT

LEGEND

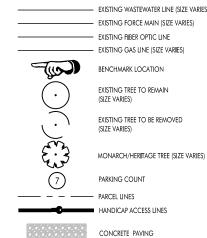
GATE VALVE IRRIGATION CONTROL VALVE WATER METER ==== 100 EXISTING CONTOURS

100 PROPOSED CONTOUR PROPOSED CURB AND GUTTER PROPOSED ASPHALT

X* GAS LINE PROPOSED X" DIA. GAS LINE X" STORM SEWER LINE PROPOSED X" DIA. STORM SEWER LINE X" WASTEWATER LINE PROPOSED X" DIA. WASTEWATER LINE X" WATER LINE PROPOSED X" DIA. WATER LINE — — — — EXISTING CHAIN LINK FENCE

— — — — — EXISTING WOOD FENCE — — — # — EXISTING ASPHALT —— EXISTING UNDERGROUND ELECTRIC LINE — — W — — EXISTING WATER LINE (SIZE VARIES)

— — —×— — EXISTING WIRE FENCE



ASPHALT PAVING CONCRETE SIDEWALK CONCRETE WASHOU STABILIZED CONSTRUCTION ENTRANC ——SF—— SILT FENCE

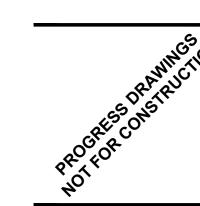
— IP — INLET PROTECTION

TP— TREE PROTECTION

— LIMITS OF CONSTRUCTION

──**₩S**── MULCH SOCK

Schaefer Architecture 257 N. Broadway Wichita, KS, 67202 316.684.0171



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ISSUED DATE: 11/14/2023 TERRY R. HAGOOD 52960 **GENERAL NOTES**

900 E. Main Street

Round Rock, TX 78664

Phone (512) 244-1546

Fax (512) 244-1010

TBPE Registration No. F-12709

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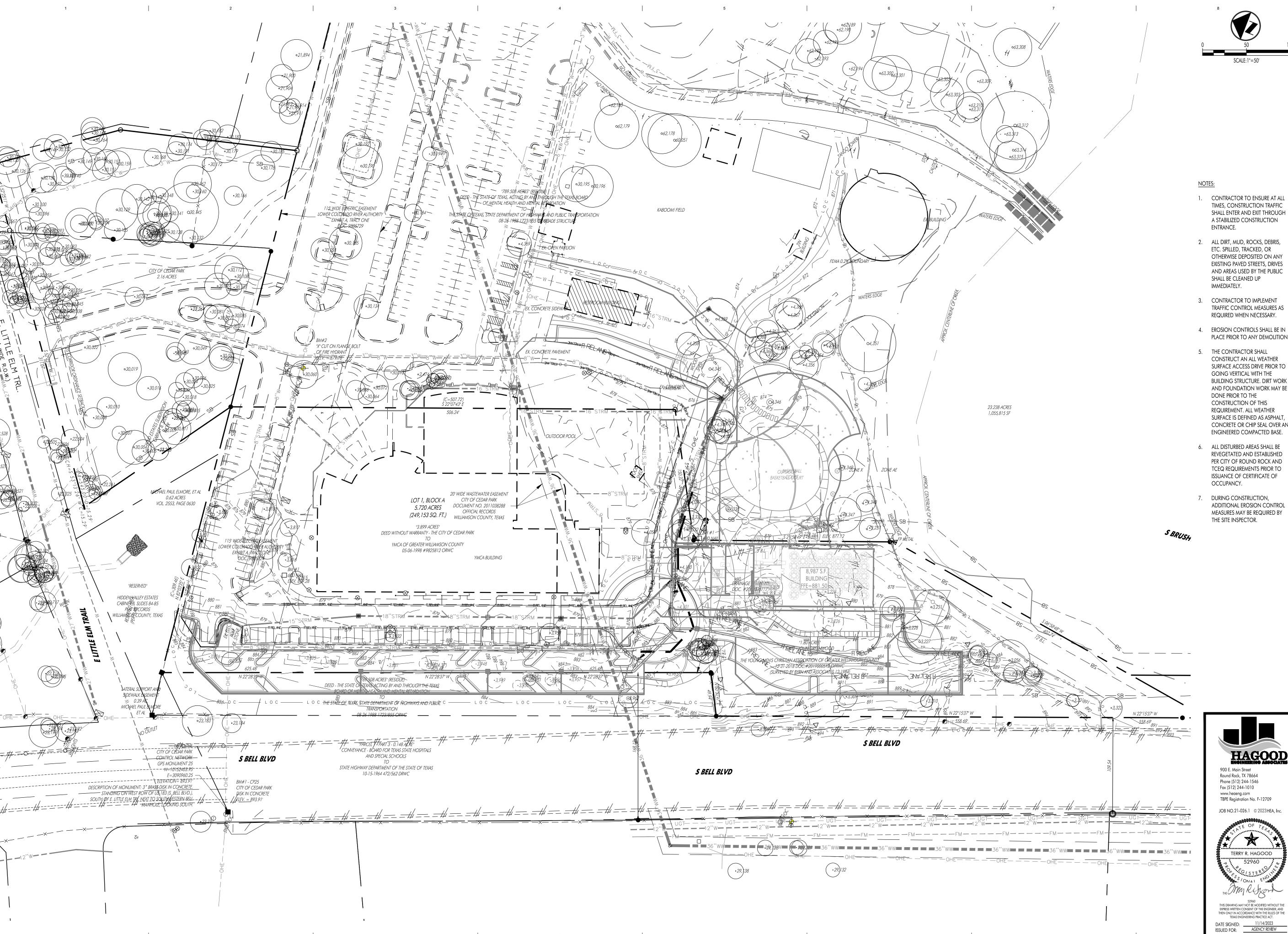
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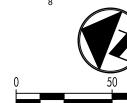
DATE SIGNED: ____

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1. CONTRACTOR TO ENSURE AT ALL TIMES, CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THROUGH A STABILIZED CONSTRUCTION

- 2. ALL DIRT, MUD, ROCKS, DEBRIS, ETC. SPILLED, TRACKED, OR OTHERWISE DEPOSITED ON ANY EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP
- 3. CONTRACTOR TO IMPLEMENT TRAFFIC CONTROL MEASURES AS REQUIRED WHEN NECESSARY.
- 4. EROSION CONTROLS SHALL BE IN PLACE PRIOR TO ANY DEMOLITION.
- 5. THE CONTRACTOR SHALL CONSTRUCT AN ALL WEATHER SURFACE ACCESS DRIVE PRIOR TO GOING VERTICAL WITH THE BUILDING STRUCTURE. DIRT WORK AND FOUNDATION WORK MAY BE DONE PRIOR TO THE CONSTRUCTION OF THIS REQUIREMENT. ALL WEATHER SURFACE IS DEFINED AS ASPHALT, CONCRETE OR CHIP SEAL OVER AN ENGINEERED COMPACTED BASE.
- 6. ALL DISTURBED AREAS SHALL BE REVEGETATED AND ESTABLISHED PER CITY OF ROUND ROCK AND TCEQ REQUIREMENTS PRIOR TO ISSUANCE OF CERTIFICATE OF
- 7. DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE SITE INSPECTOR.

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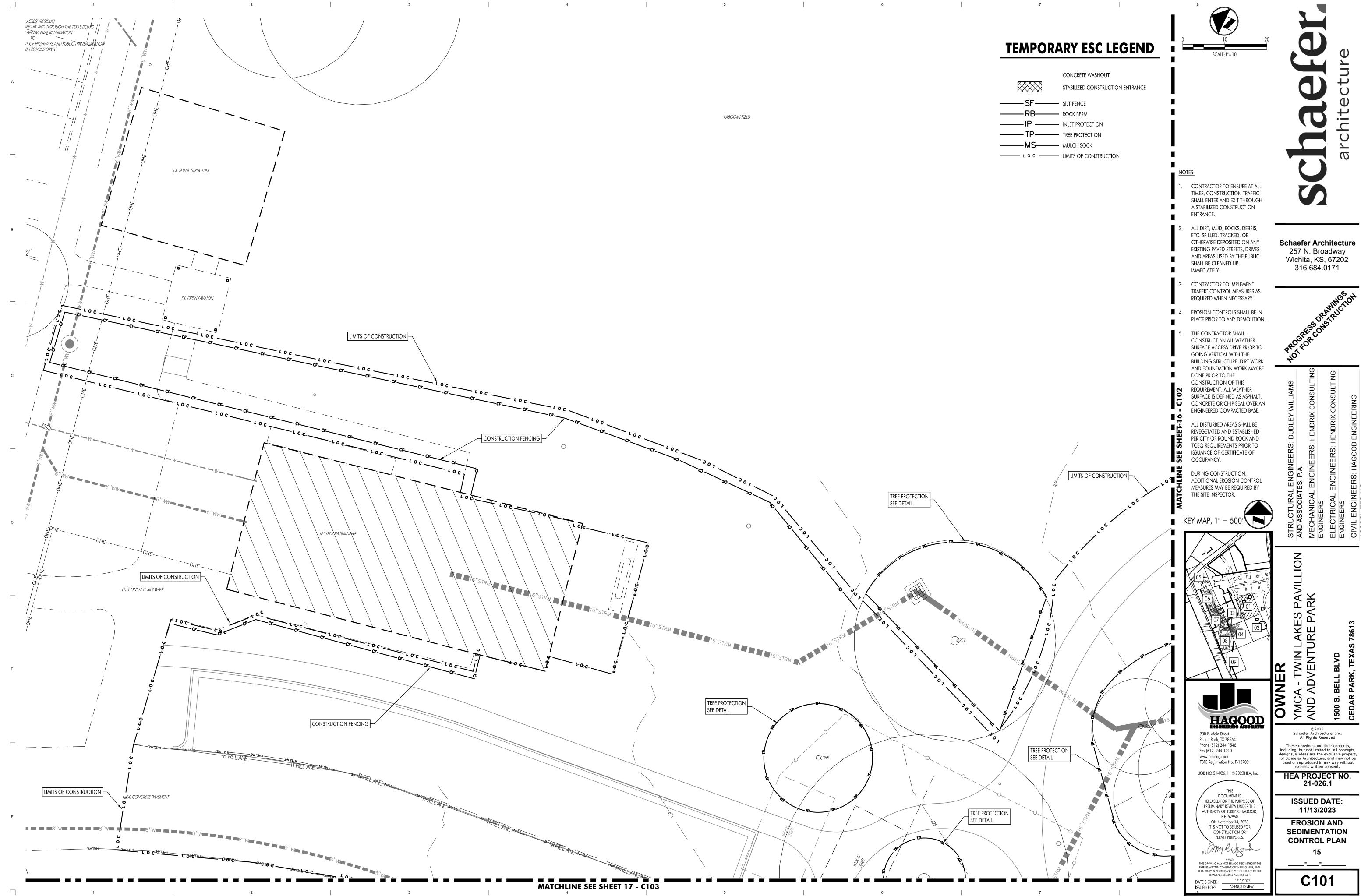
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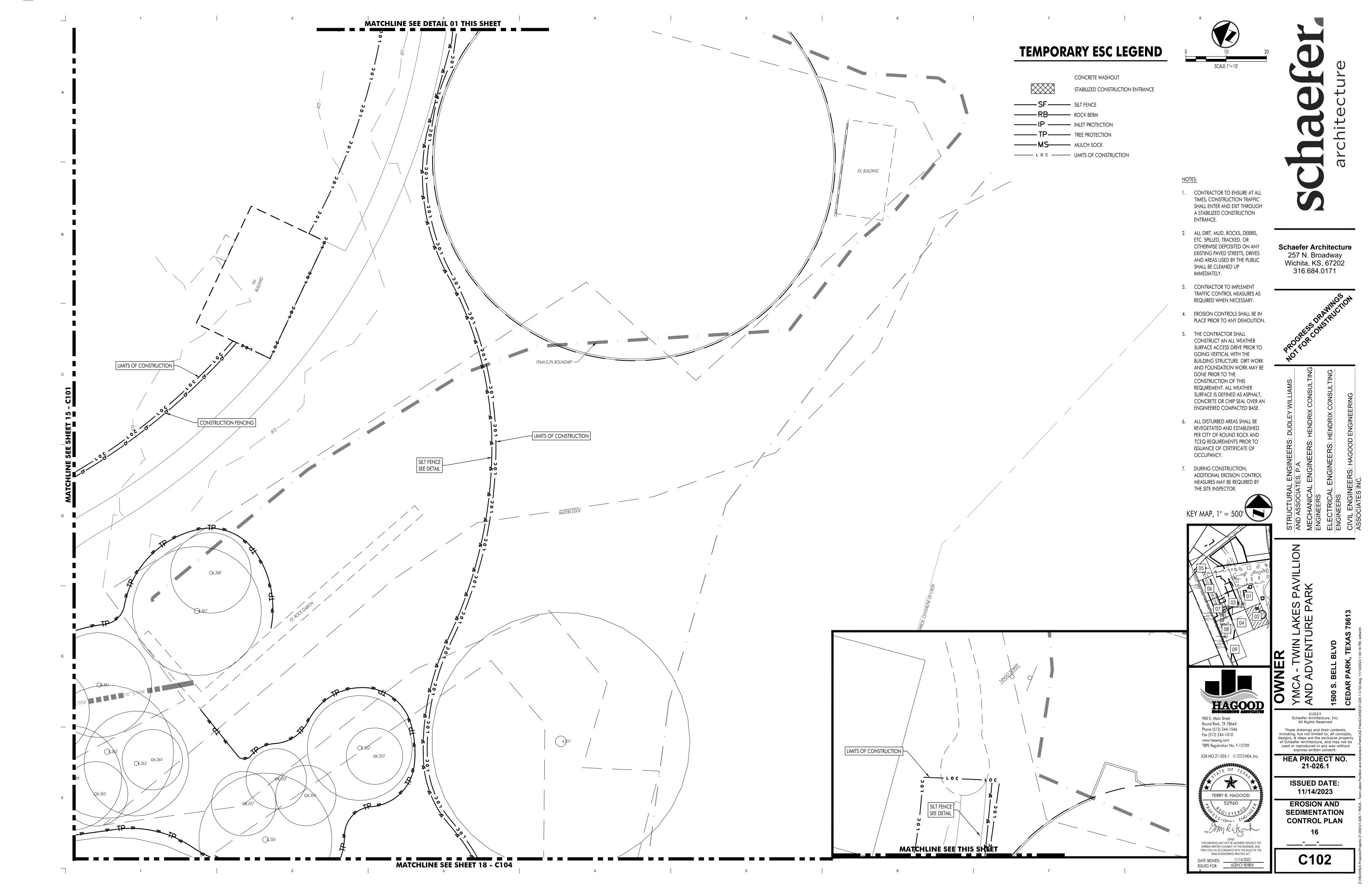
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21-026.1 **ISSUED DATE:**

11/14/2023

OVERALL EROSION AND SEDIMENTAITON CONTROL PLAN







CONTRACTOR TO ENSURE AT ALL TIMES, CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THROUGH A STABILIZED CONSTRUCTION ENTRANCE.

ALL DIRT, MUD, ROCKS, DEBRIS, ETC. SPILLED, TRACKED, OR OTHERWISE DEPOSITED ON ANY EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.

CONTRACTOR TO IMPLEMENT TRAFFIC CONTROL MEASURES AS REQUIRED WHEN NECESSARY.

PLACE PRIOR TO ANY DEMOLITION.

THE CONTRACTOR SHALL CONSTRUCT AN ALL WEATHER SURFACE ACCESS DRIVE PRIOR TO GOING VERTICAL WITH THE BUILDING STRUCTURE. DIRT WORK AND FOUNDATION WORK MAY BE DONE PRIOR TO THE CONSTRUCTION OF THIS REQUIREMENT. ALL WEATHER SURFACE IS DEFINED AS ASPHALT, CONCRETE OR CHIP SEAL OVER AN ENGINEERED COMPACTED BASE.

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DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE SITE INSPECTOR.



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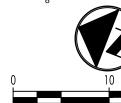
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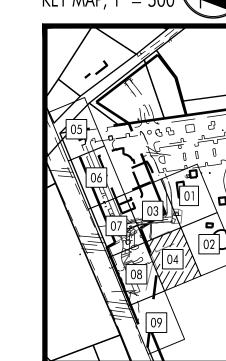
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21-026.1 **ISSUED DATE:** 11/14/2023

EROSION AND SEDIMENTATION CONTROL PLAN 17



- 1. CONTRACTOR TO ENSURE AT ALL TIMES, CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THROUGH A STABILIZED CONSTRUCTION ENTRANCE.
- 2. ALL DIRT, MUD, ROCKS, DEBRIS, ETC. SPILLED, TRACKED, OR OTHERWISE DEPOSITED ON ANY EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.
- TRAFFIC CONTROL MEASURES AS REQUIRED WHEN NECESSARY.
- 4. EROSION CONTROLS SHALL BE IN PLACE PRIOR TO ANY DEMOLITION.
- 5. THE CONTRACTOR SHALL CONSTRUCT AN ALL WEATHER SURFACE ACCESS DRIVE PRIOR TO GOING VERTICAL WITH THE BUILDING STRUCTURE. DIRT WORK AND FOUNDATION WORK MAY BE DONE PRIOR TO THE CONSTRUCTION OF THIS REQUIREMENT. ALL WEATHER SURFACE IS DEFINED AS ASPHALT, CONCRETE OR CHIP SEAL OVER AN ENGINEERED COMPACTED BASE.
- 6. ALL DISTURBED AREAS SHALL BE REVEGETATED AND ESTABLISHED PER CITY OF ROUND ROCK AND TCEQ REQUIREMENTS PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
- 7. DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE SITE INSPECTOR.





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11/14/2023

SEDIMENTATION CONTROL PLAN

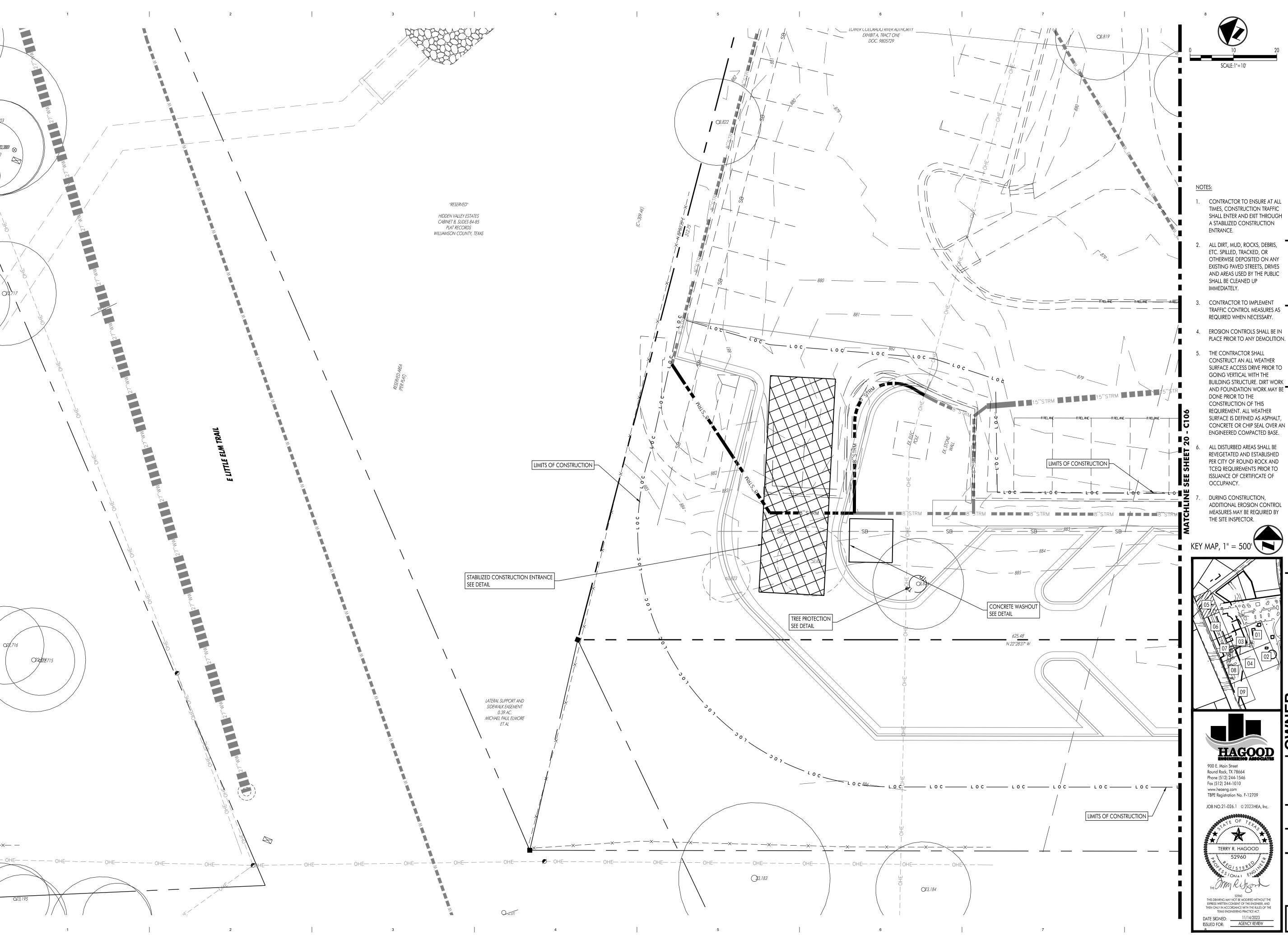
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EROSION AND



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CONTRACTOR TO ENSURE AT ALL TIMES, CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THROUGH A STABILIZED CONSTRUCTION

ALL DIRT, MUD, ROCKS, DEBRIS, ETC. SPILLED, TRACKED, OR OTHERWISE DEPOSITED ON ANY EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP

CONTRACTOR TO IMPLEMENT TRAFFIC CONTROL MEASURES AS REQUIRED WHEN NECESSARY.

4. EROSION CONTROLS SHALL BE IN PLACE PRIOR TO ANY DEMOLITION.

5. THE CONTRACTOR SHALL CONSTRUCT AN ALL WEATHER SURFACE ACCESS DRIVE PRIOR TO GOING VERTICAL WITH THE BUILDING STRUCTURE. DIRT WORK AND FOUNDATION WORK MAY BE DONE PRIOR TO THE CONSTRUCTION OF THIS REQUIREMENT. ALL WEATHER SURFACE IS DEFINED AS ASPHALT,

ALL DISTURBED AREAS SHALL BE REVEGETATED AND ESTABLISHED PER CITY OF ROUND ROCK AND TCEQ REQUIREMENTS PRIOR TO ISSUANCE OF CERTIFICATE OF

DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY

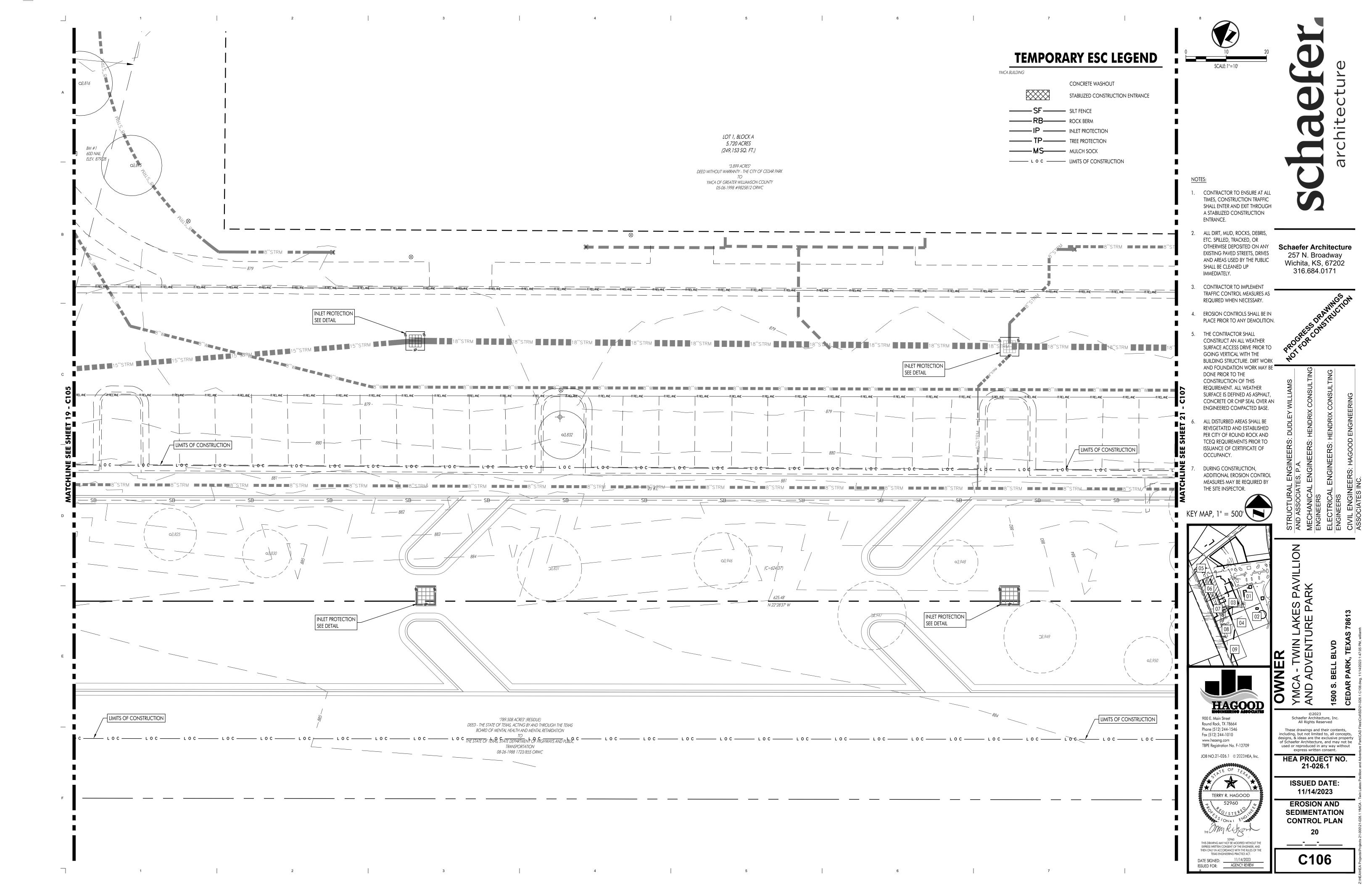
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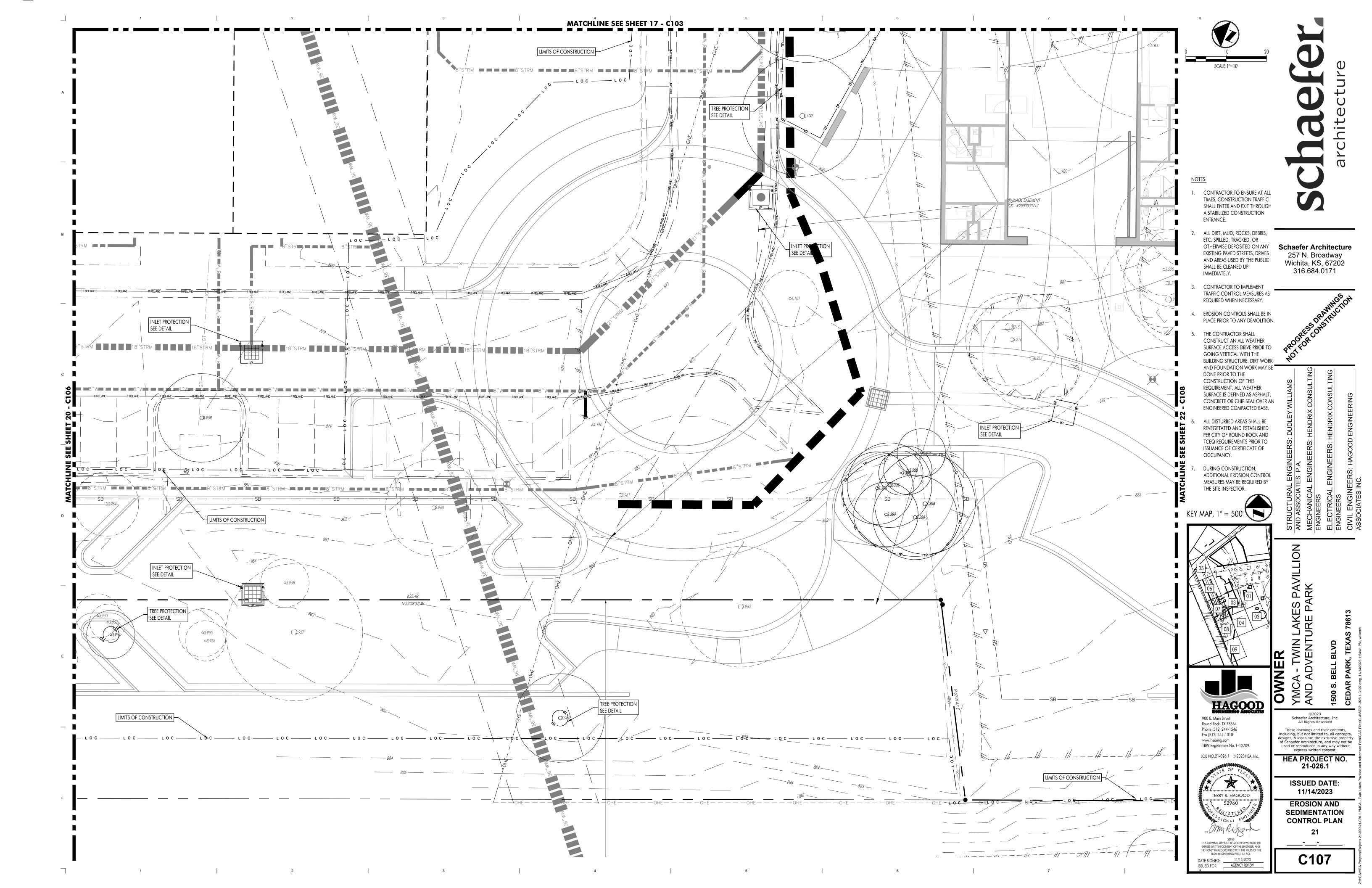
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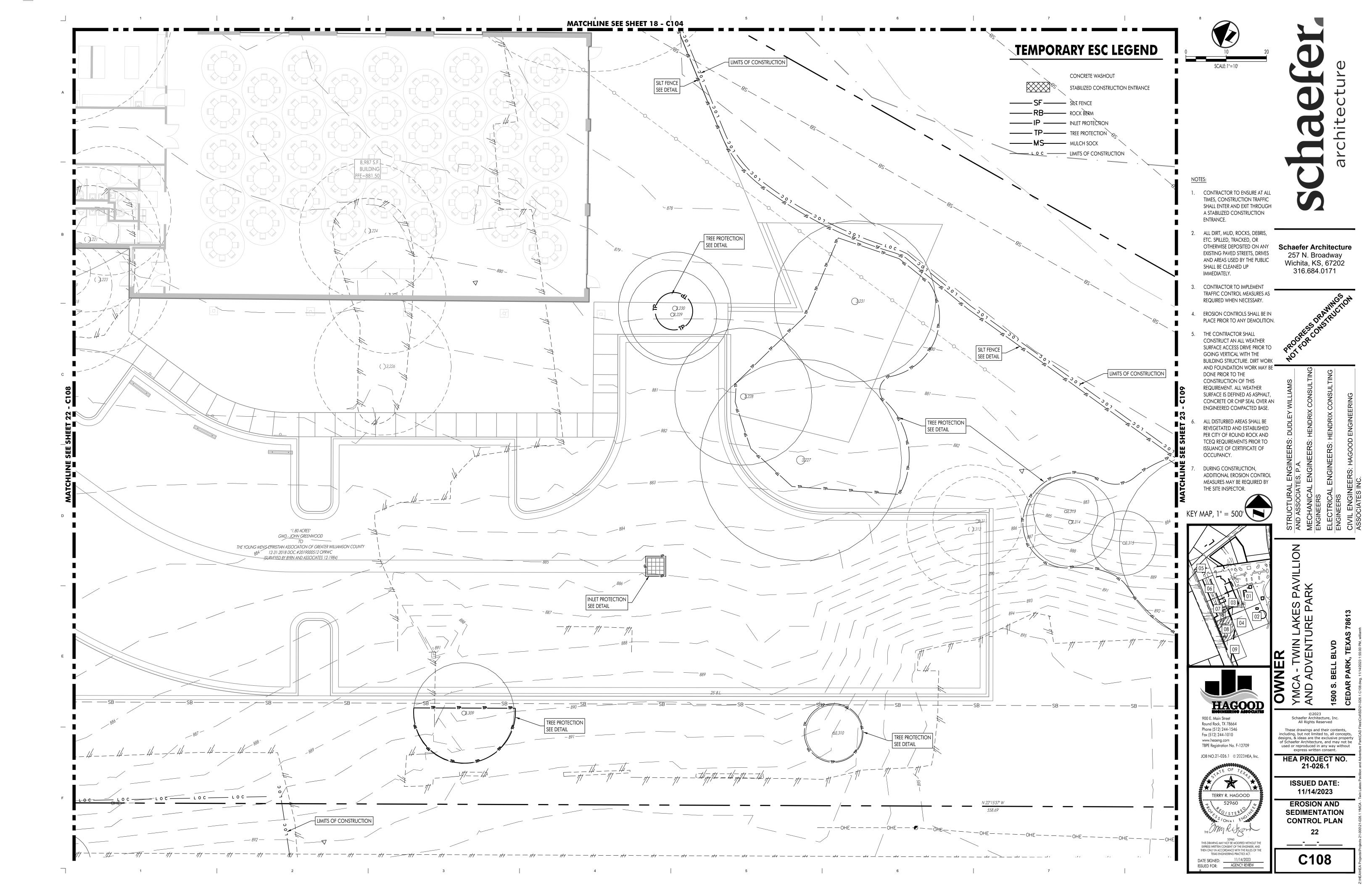
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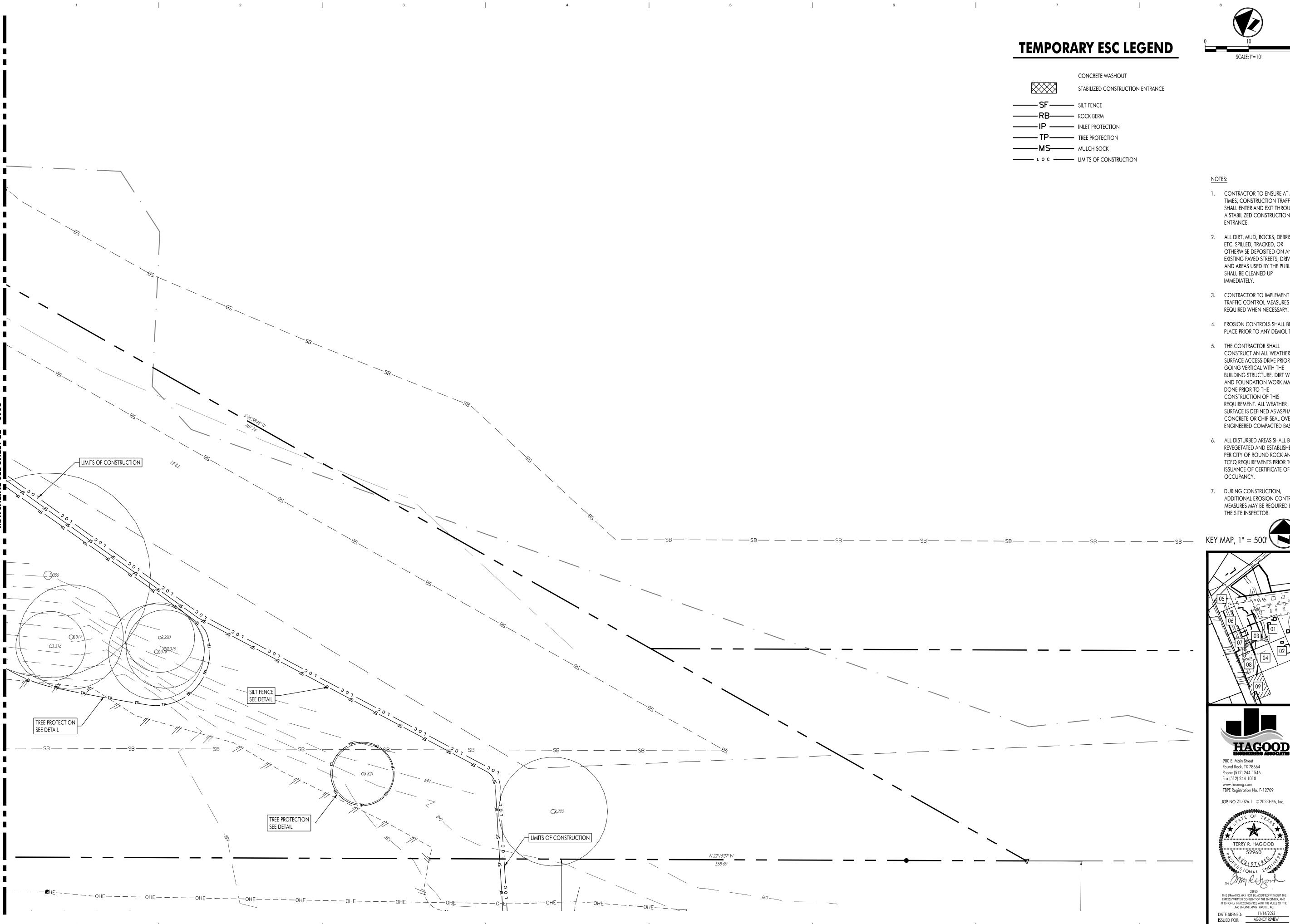
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EROSION AND SEDIMENTATION CONTROL PLAN









- 1. CONTRACTOR TO ENSURE AT ALL TIMES, CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THROUGH A STABILIZED CONSTRUCTION
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- 7. DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY



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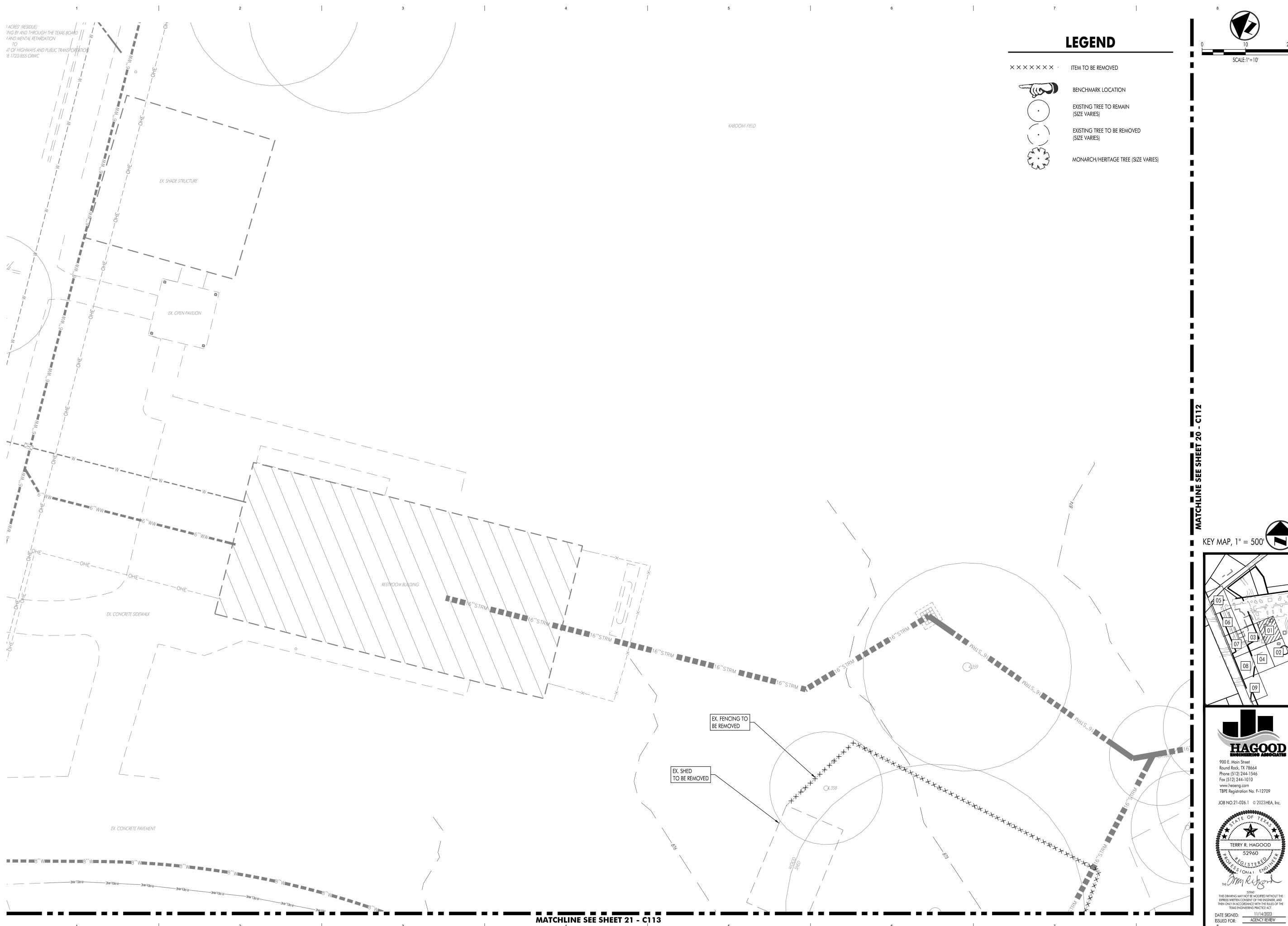
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SEDIMENTATION CONTROL PLAN



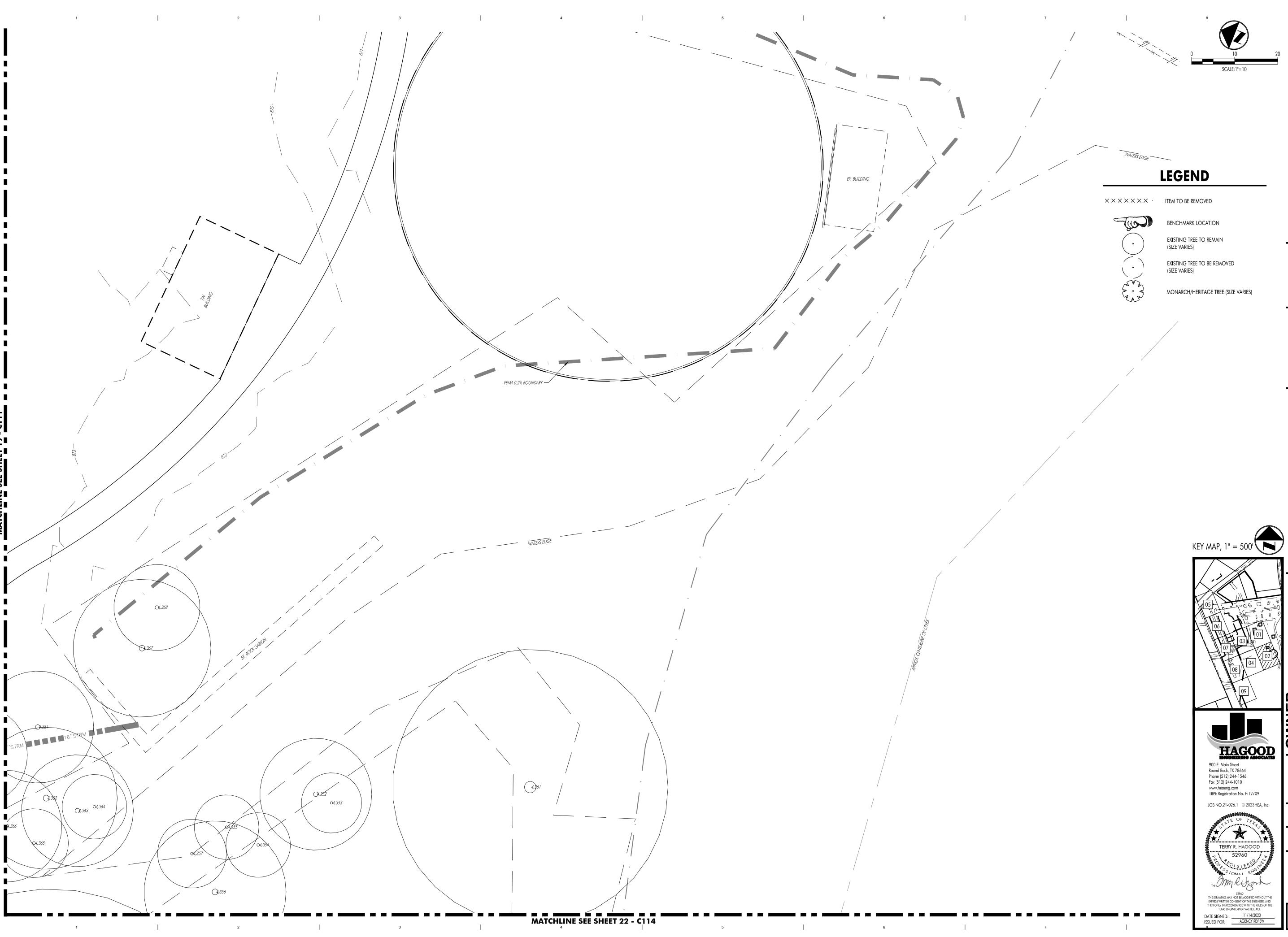
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DEMOLITION PLAN

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DEMOLITION PLAN





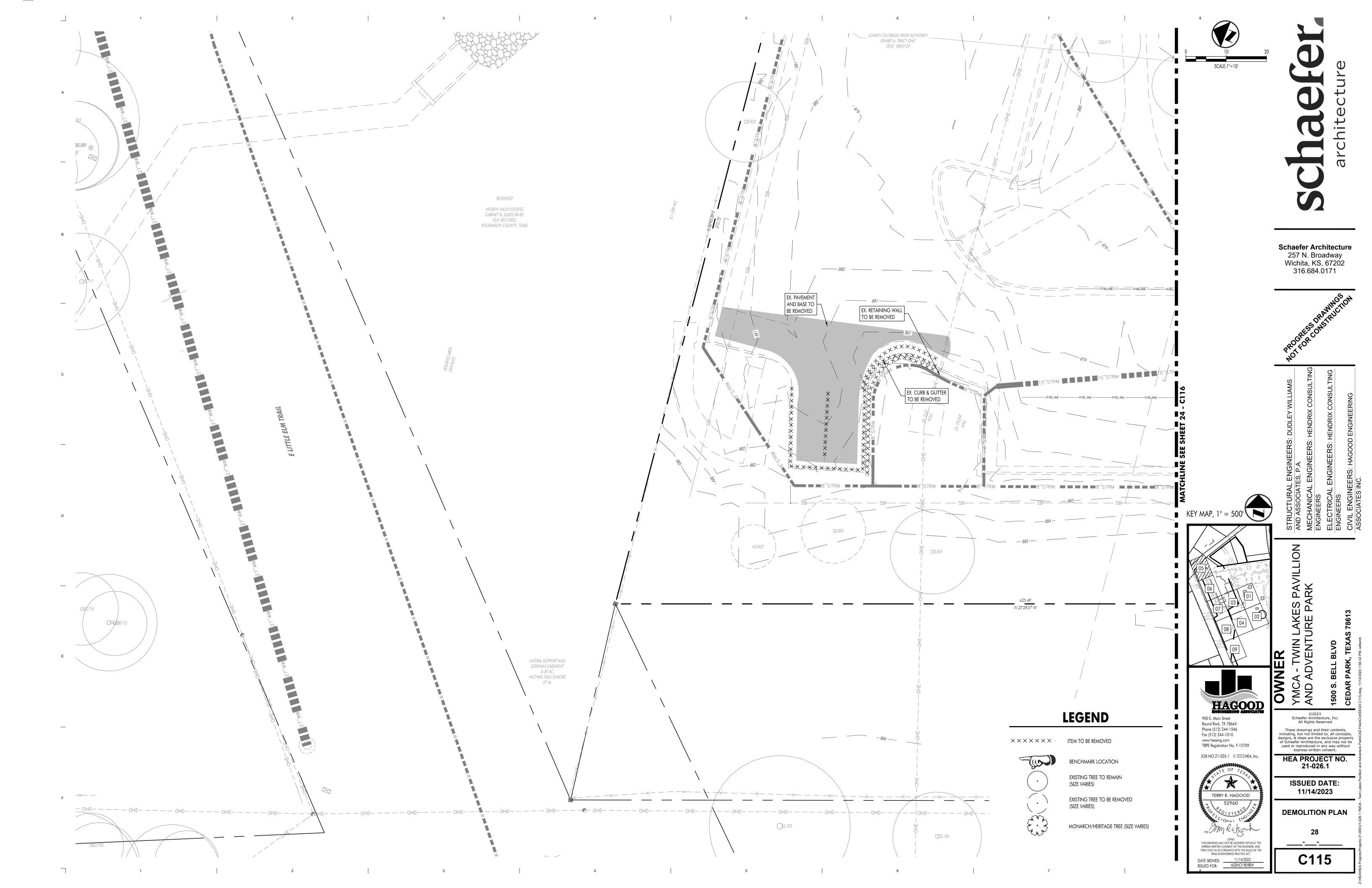
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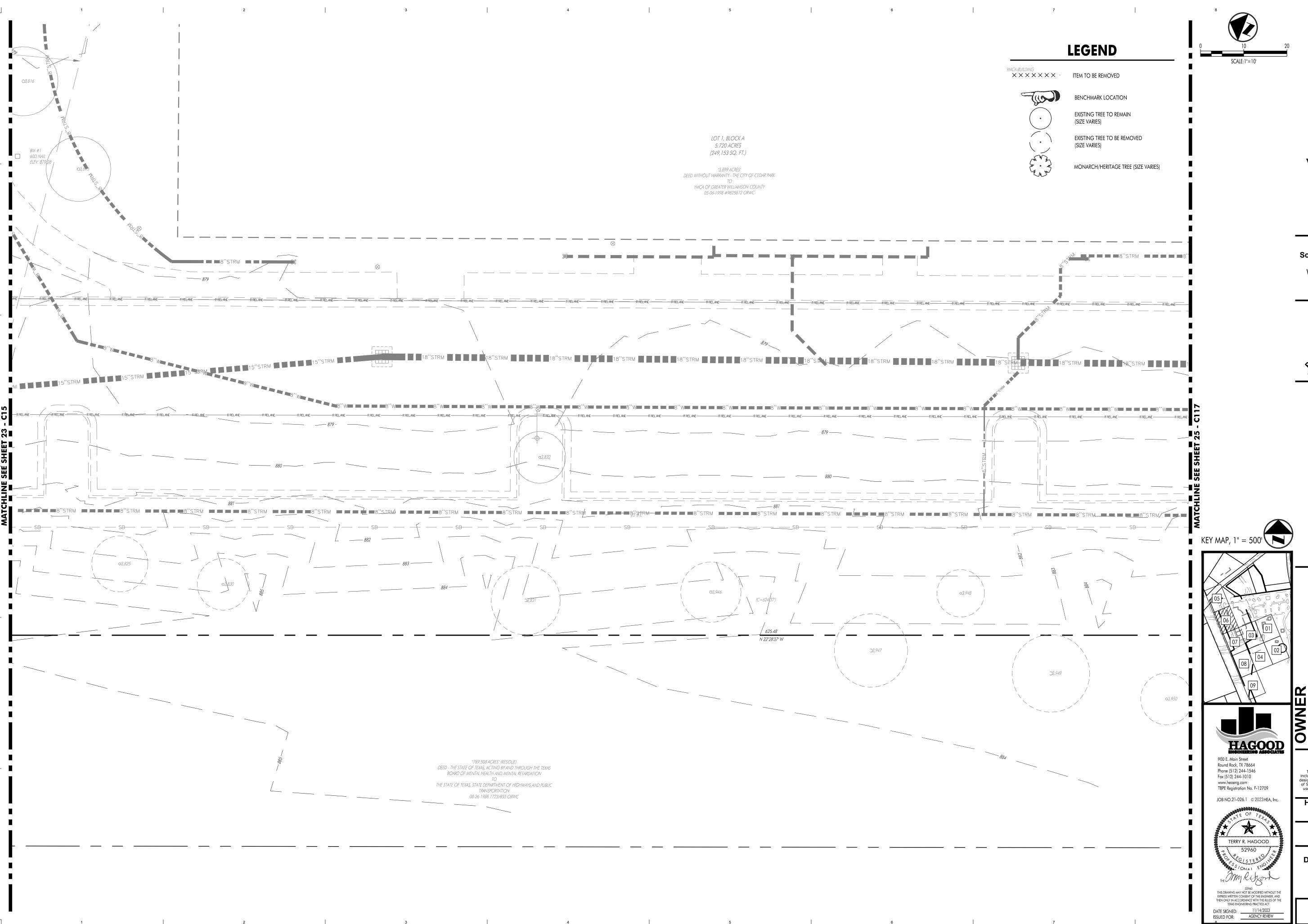
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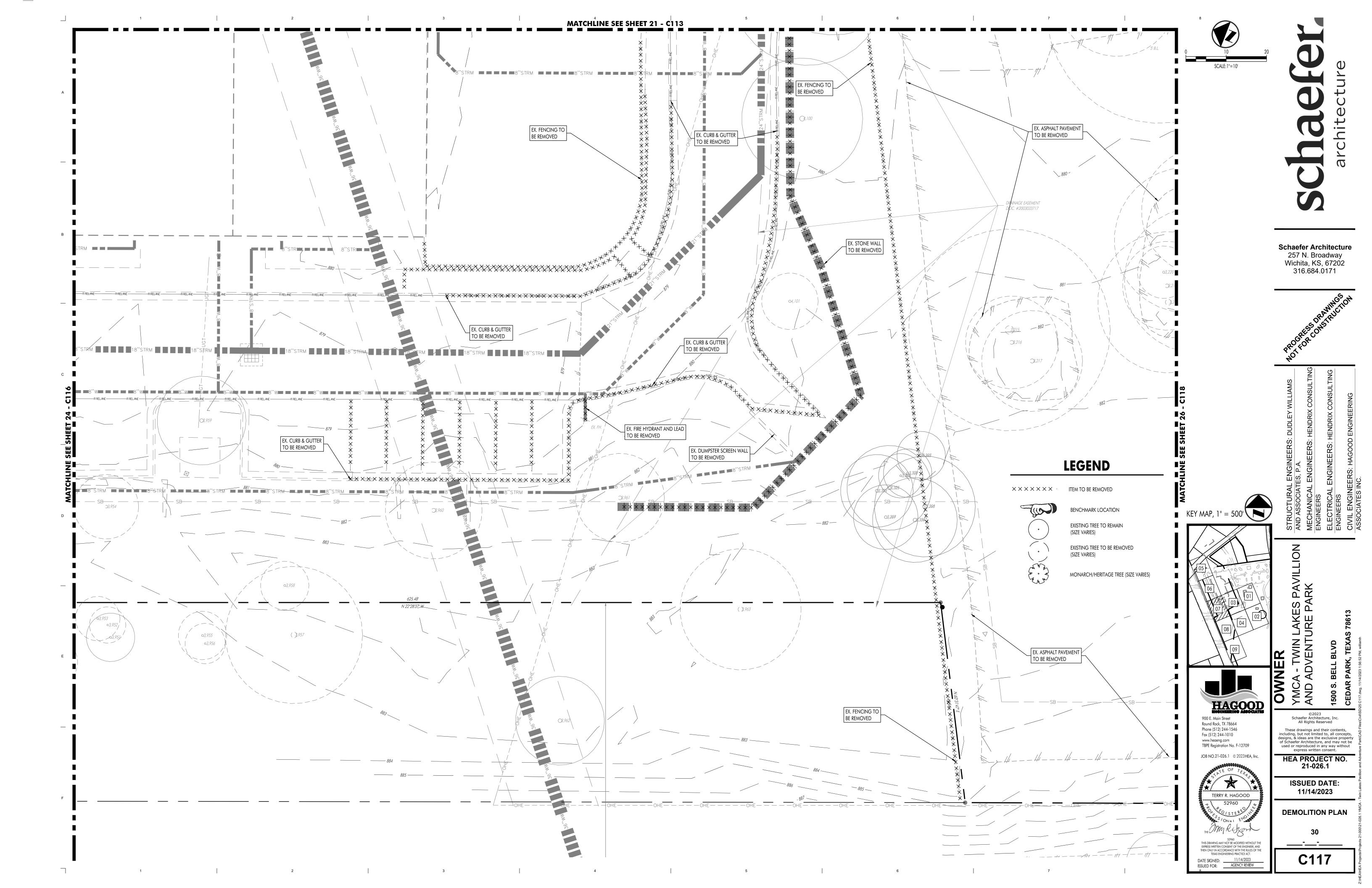
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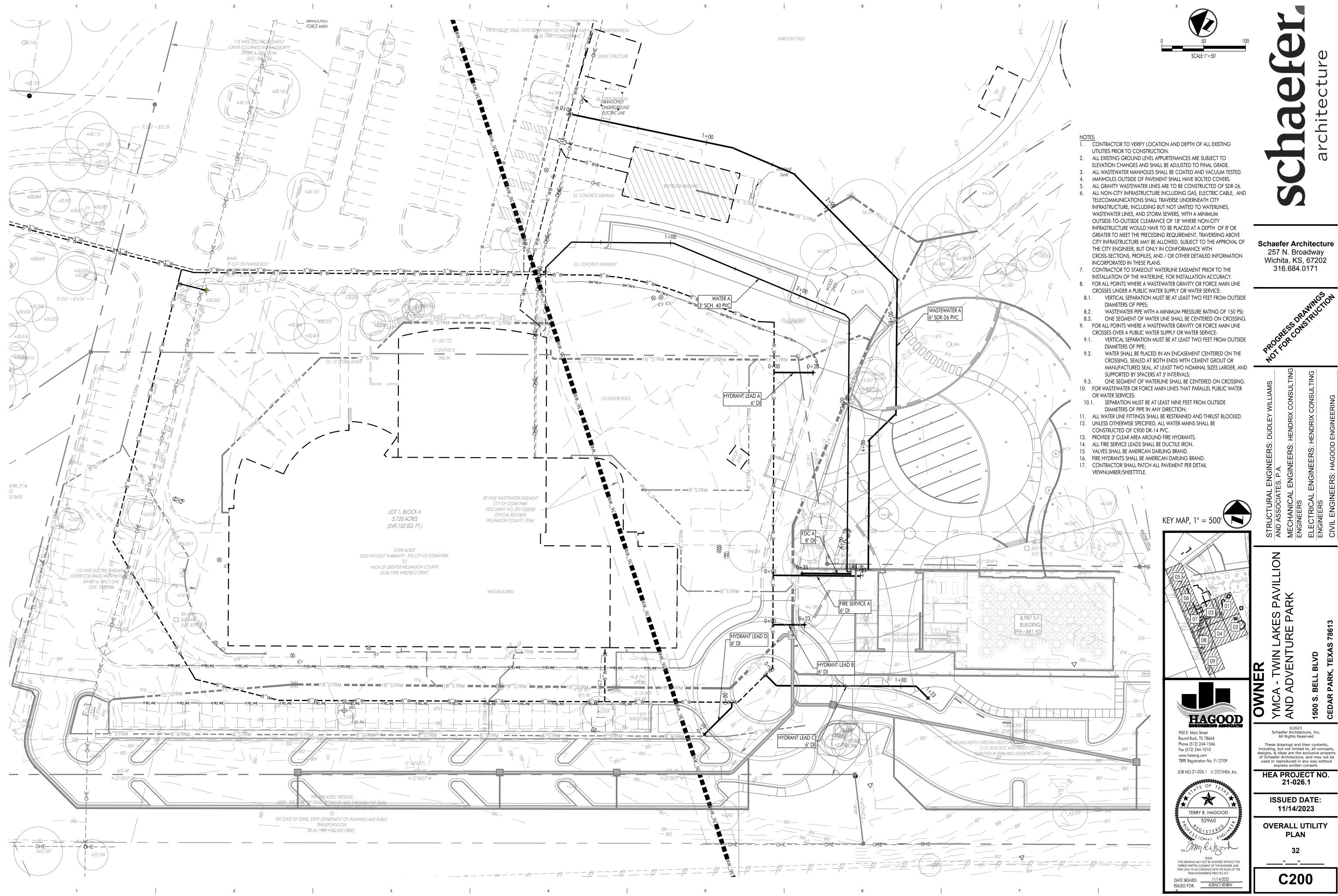
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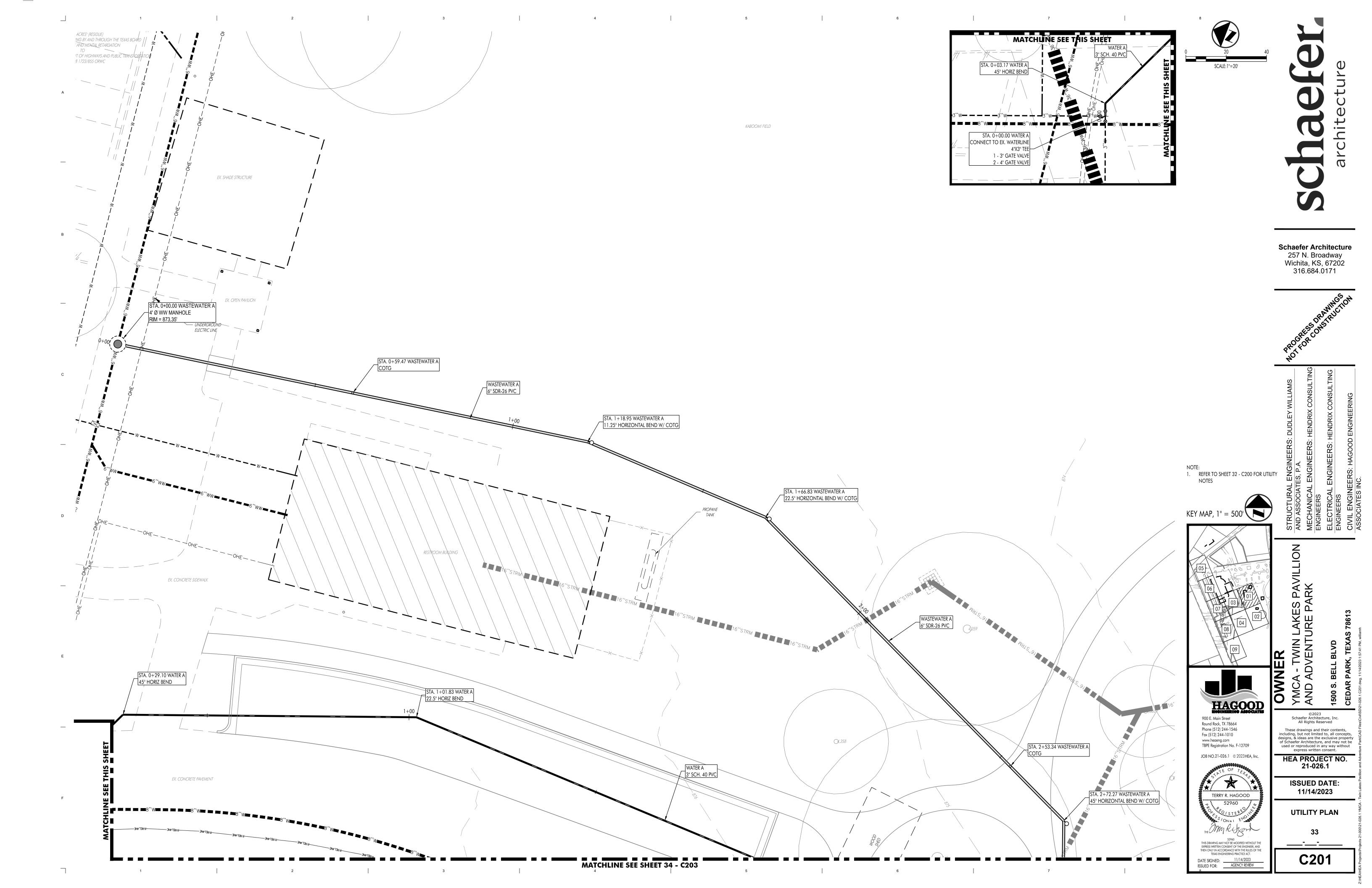
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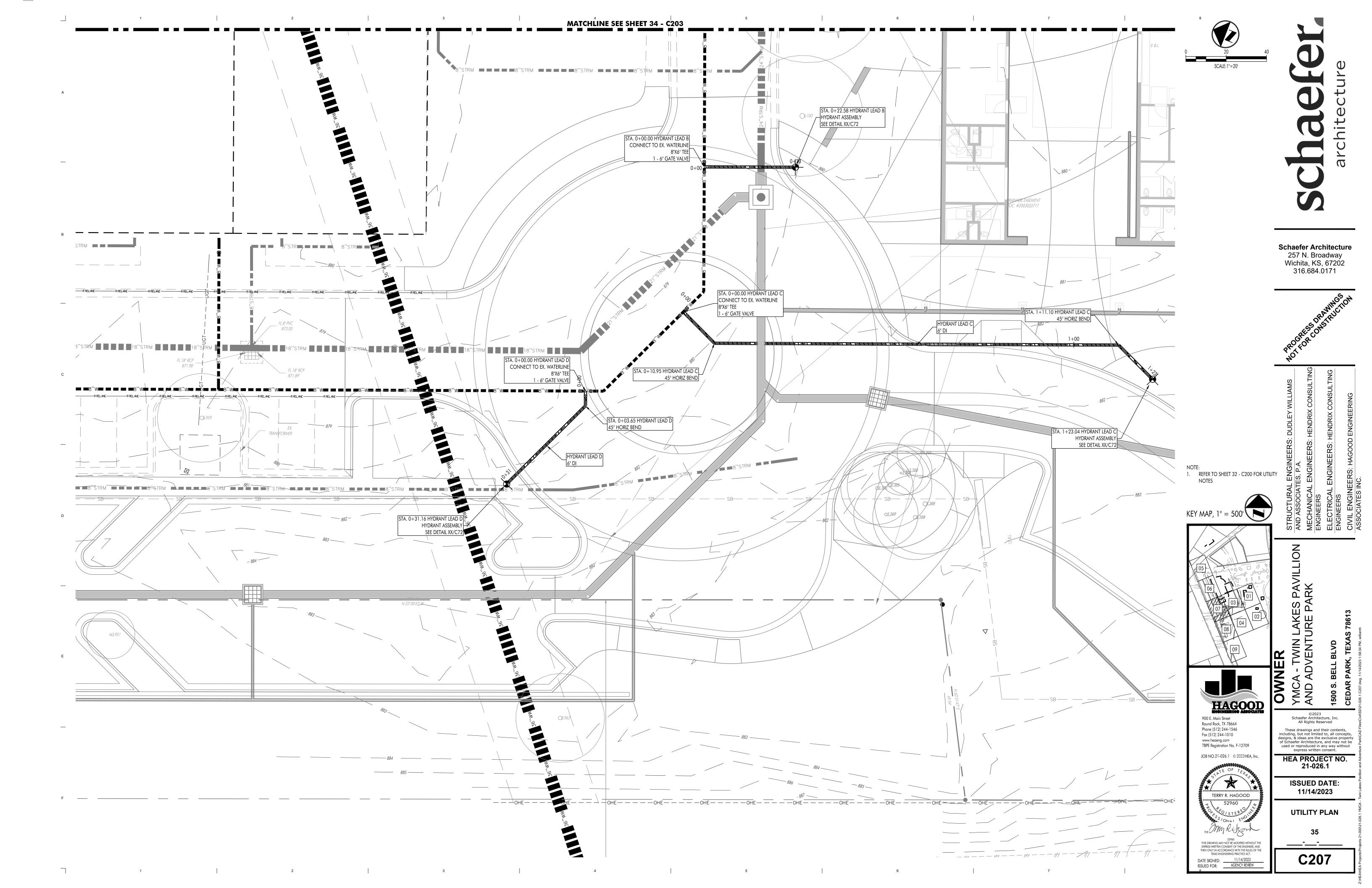
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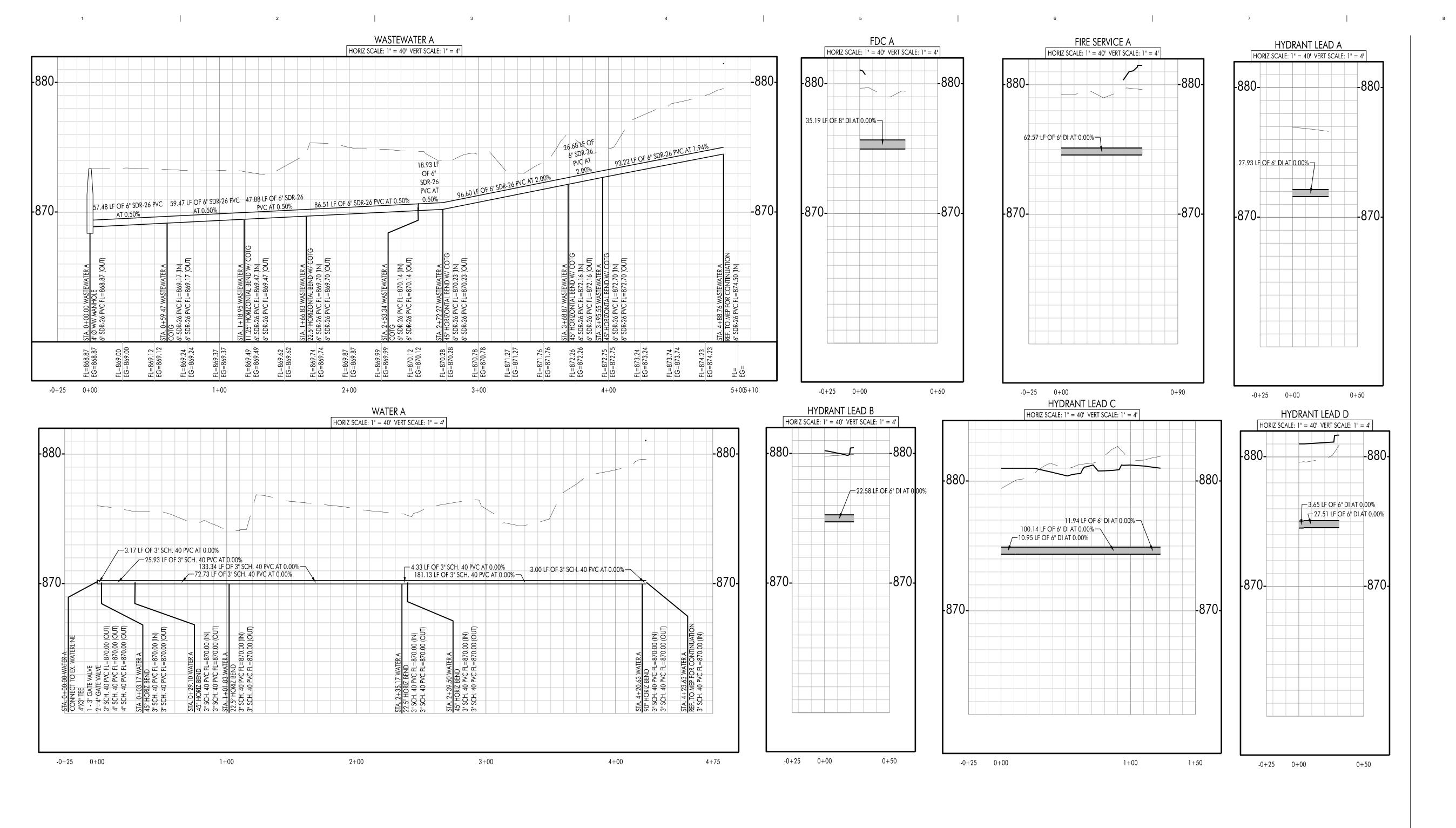
DEMOLITION PLAN













A - TWIN LAKES PAVILLION ADVENTURE PARK



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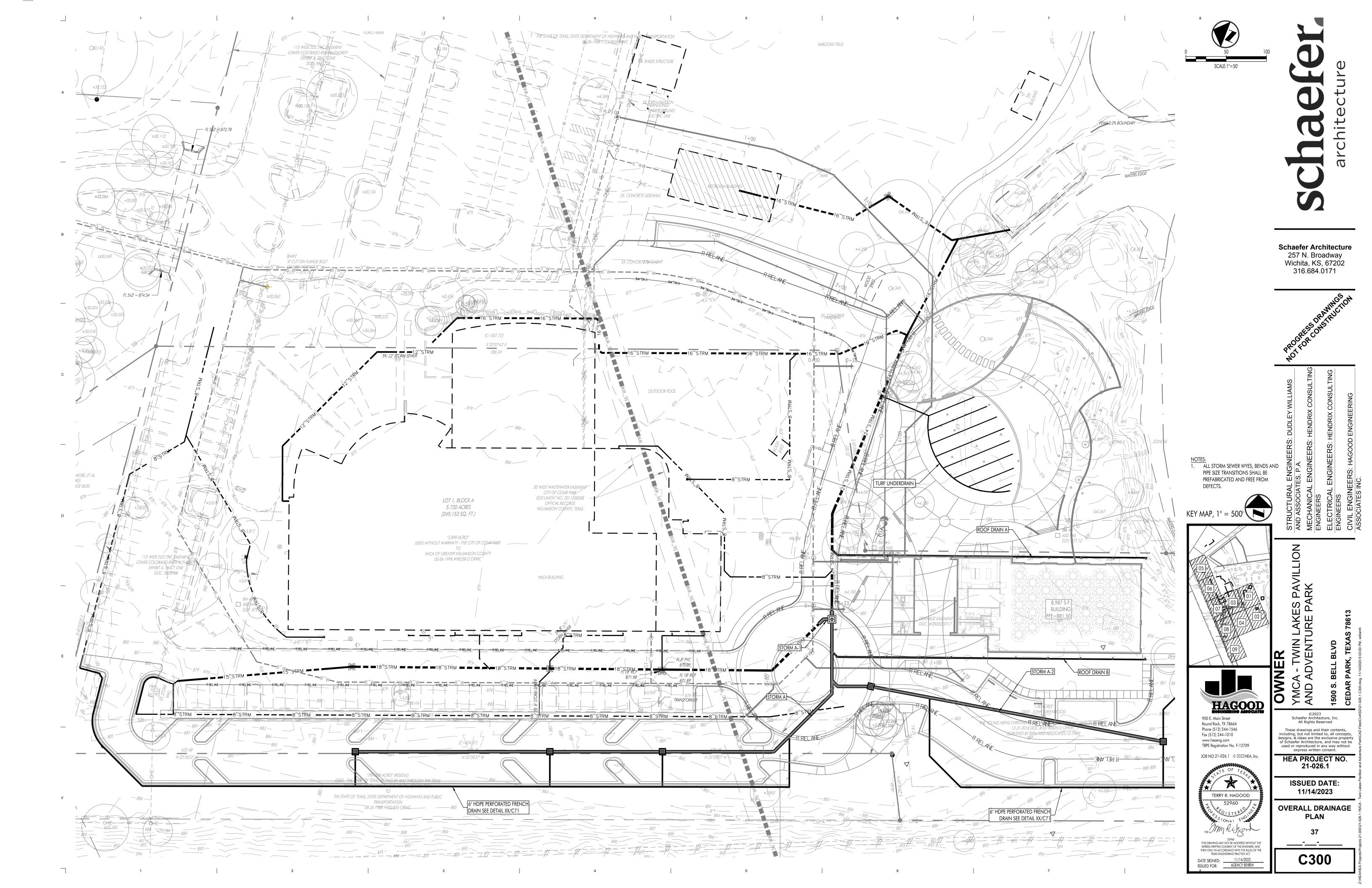
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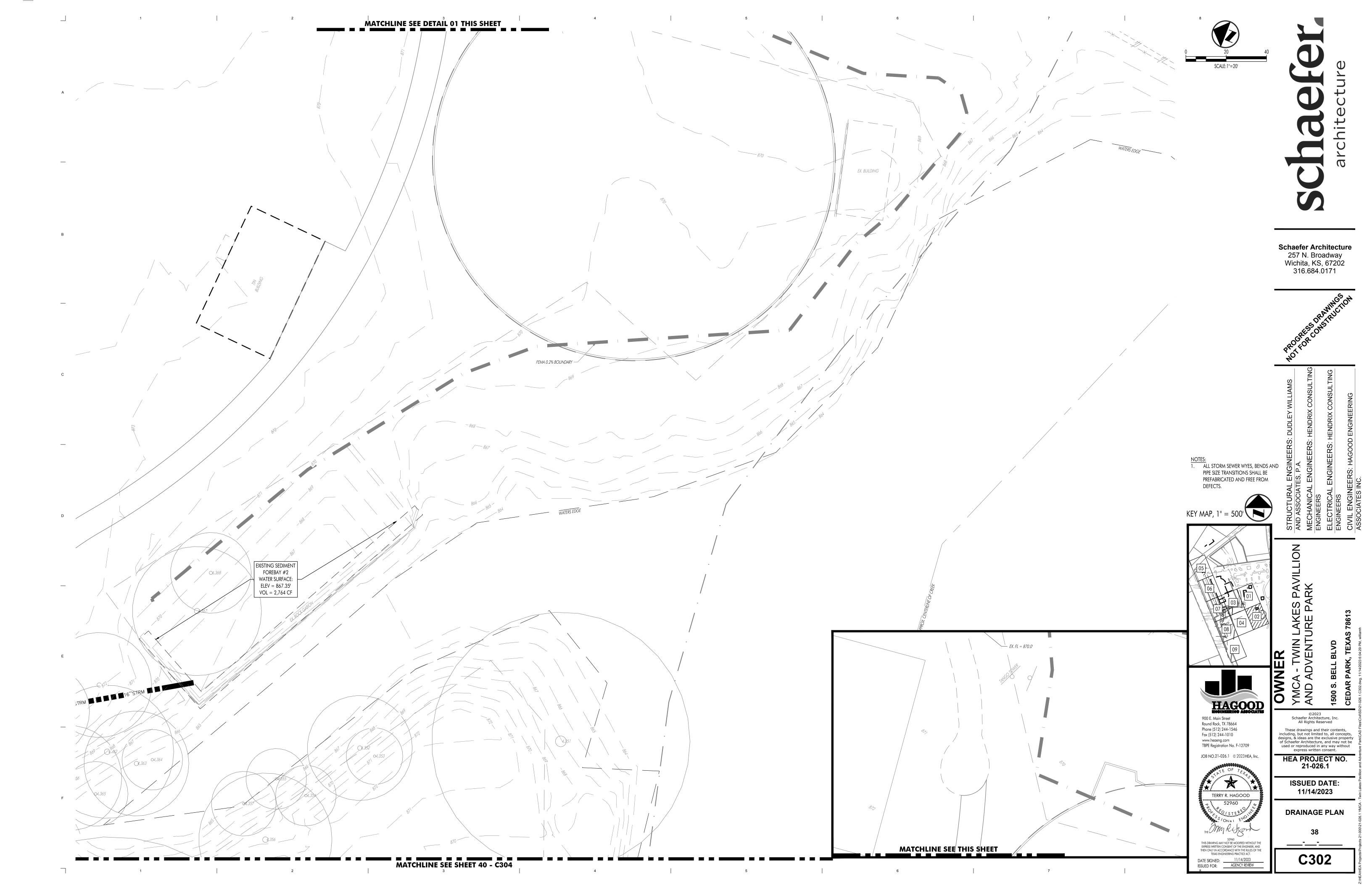
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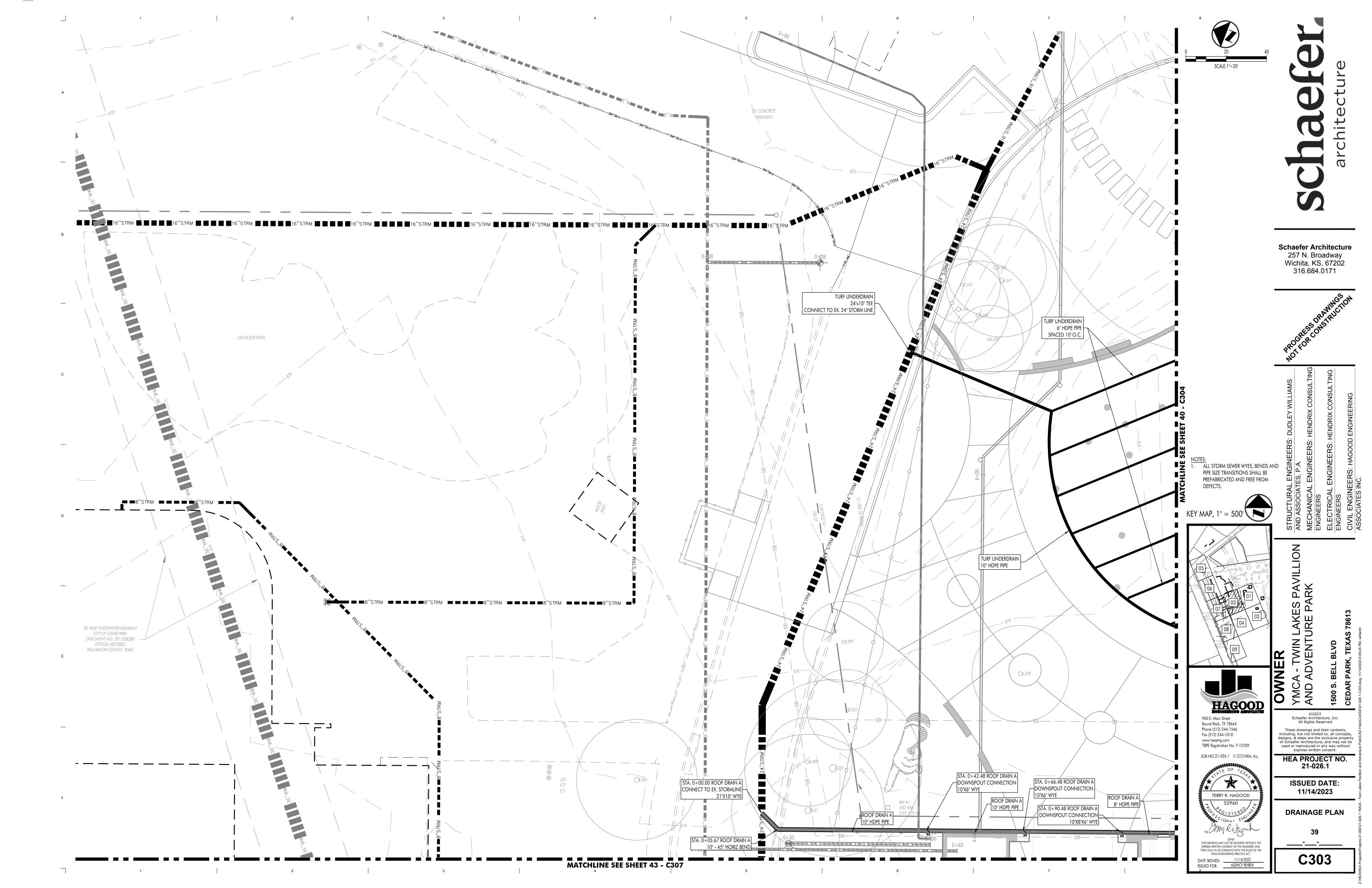
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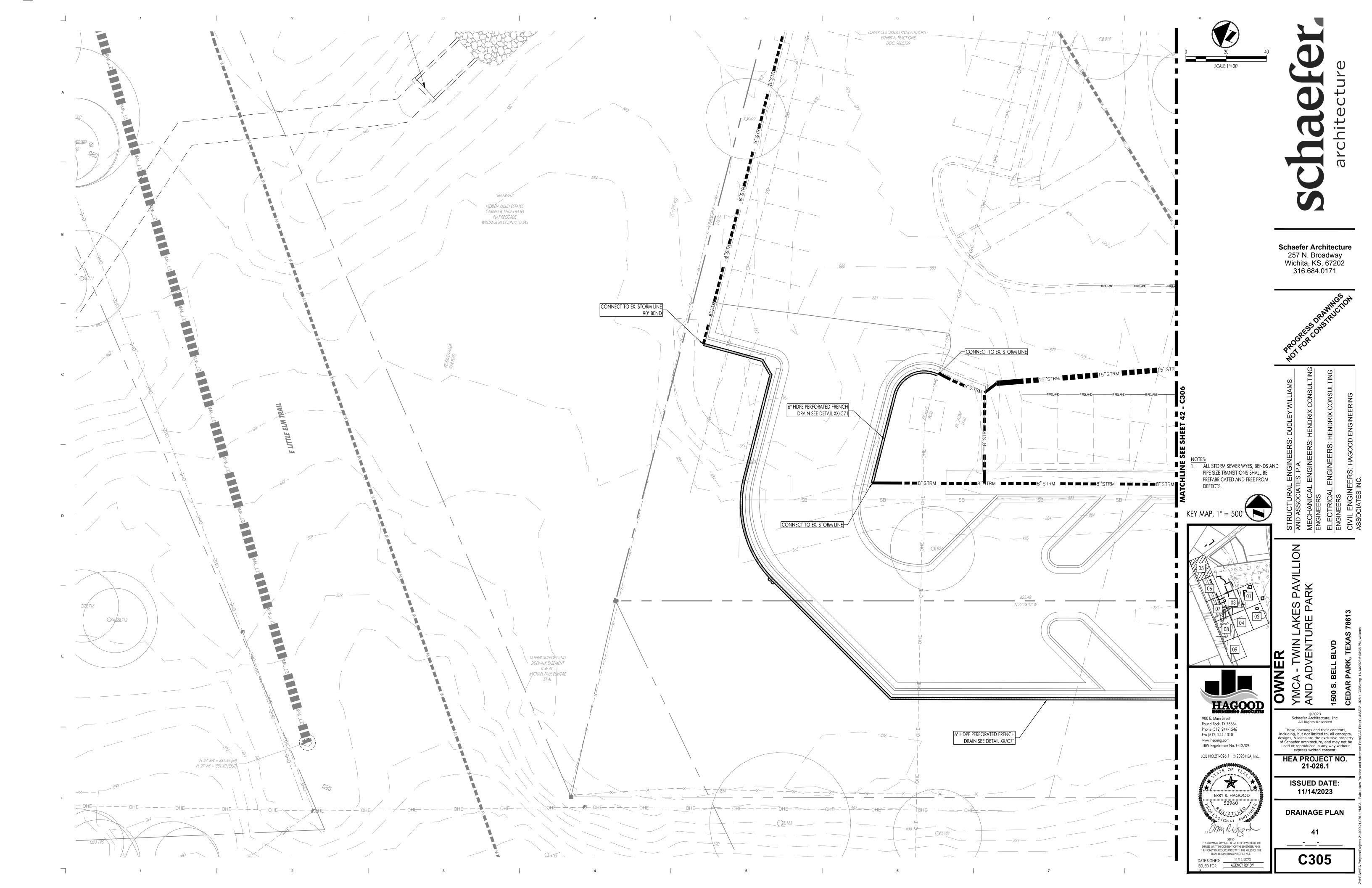
UTILITY PROFILES

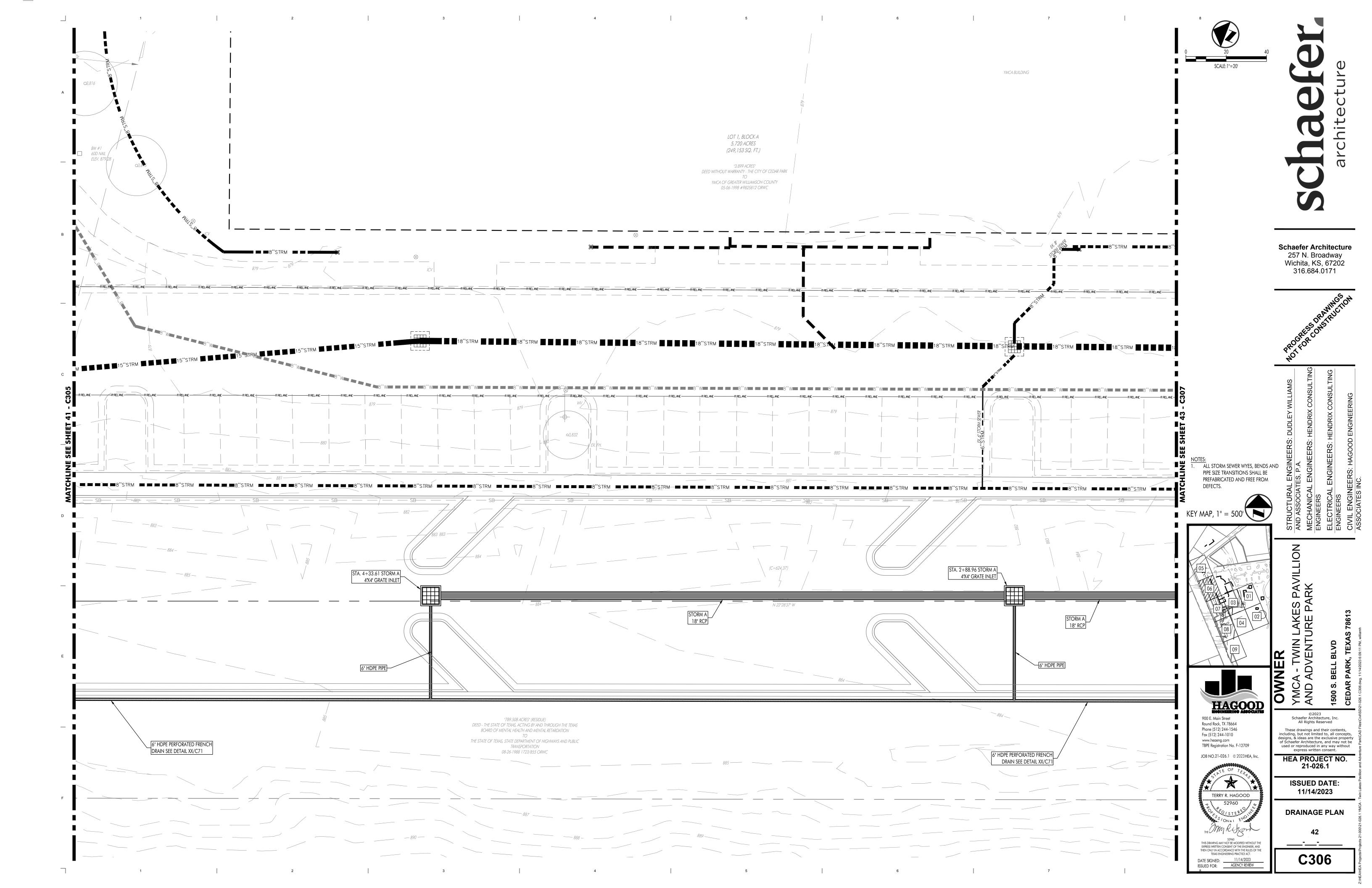
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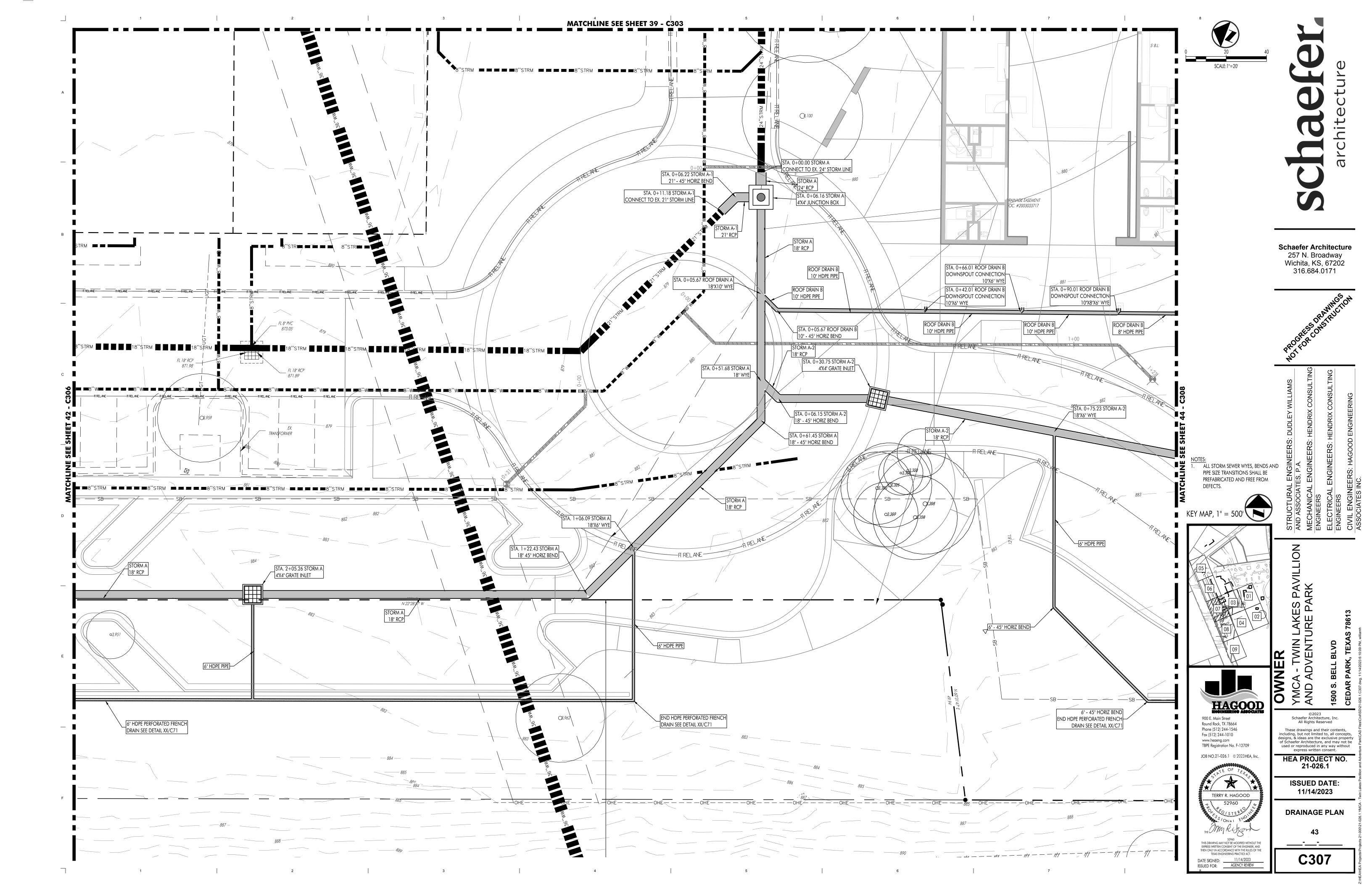


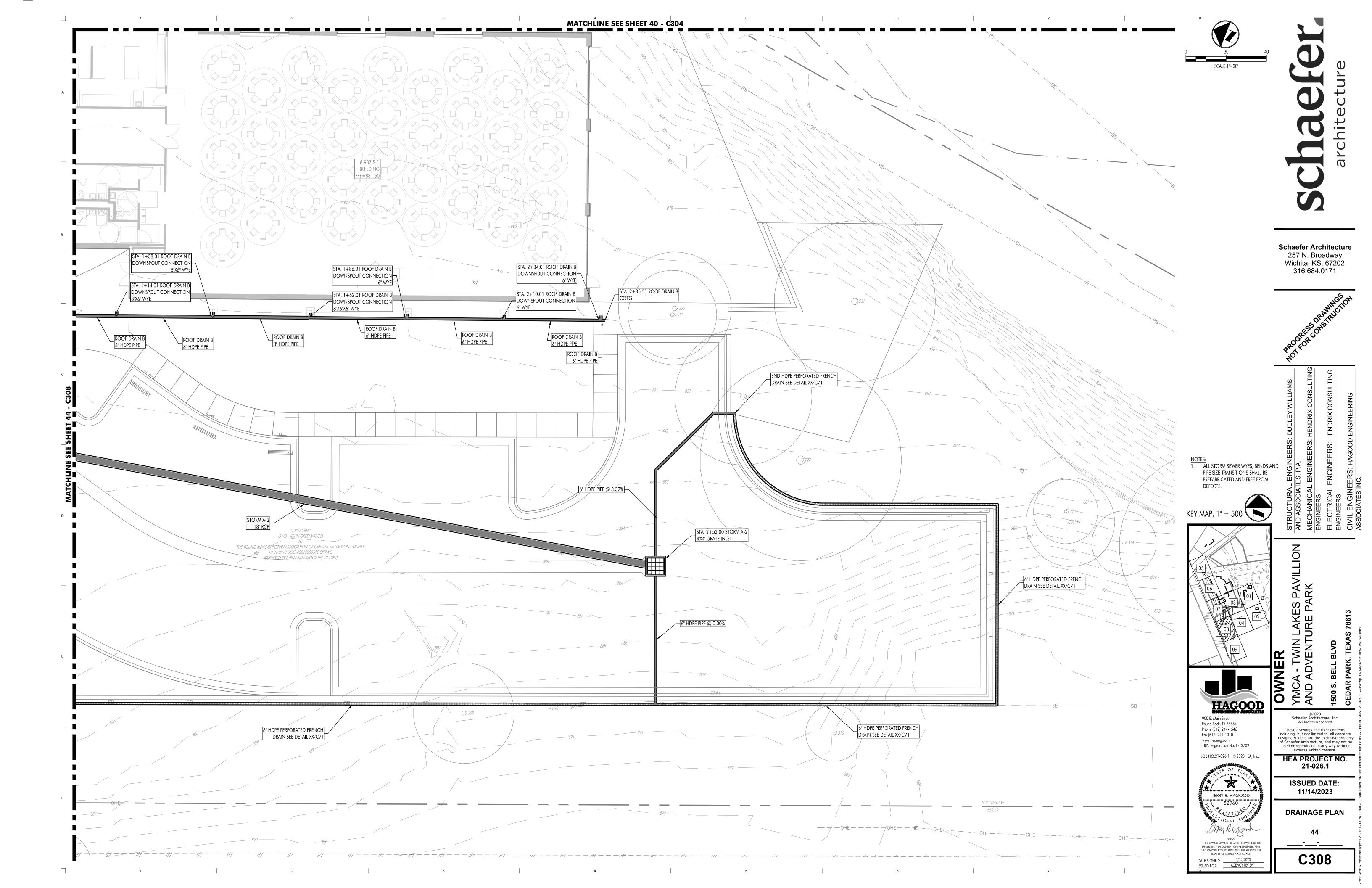


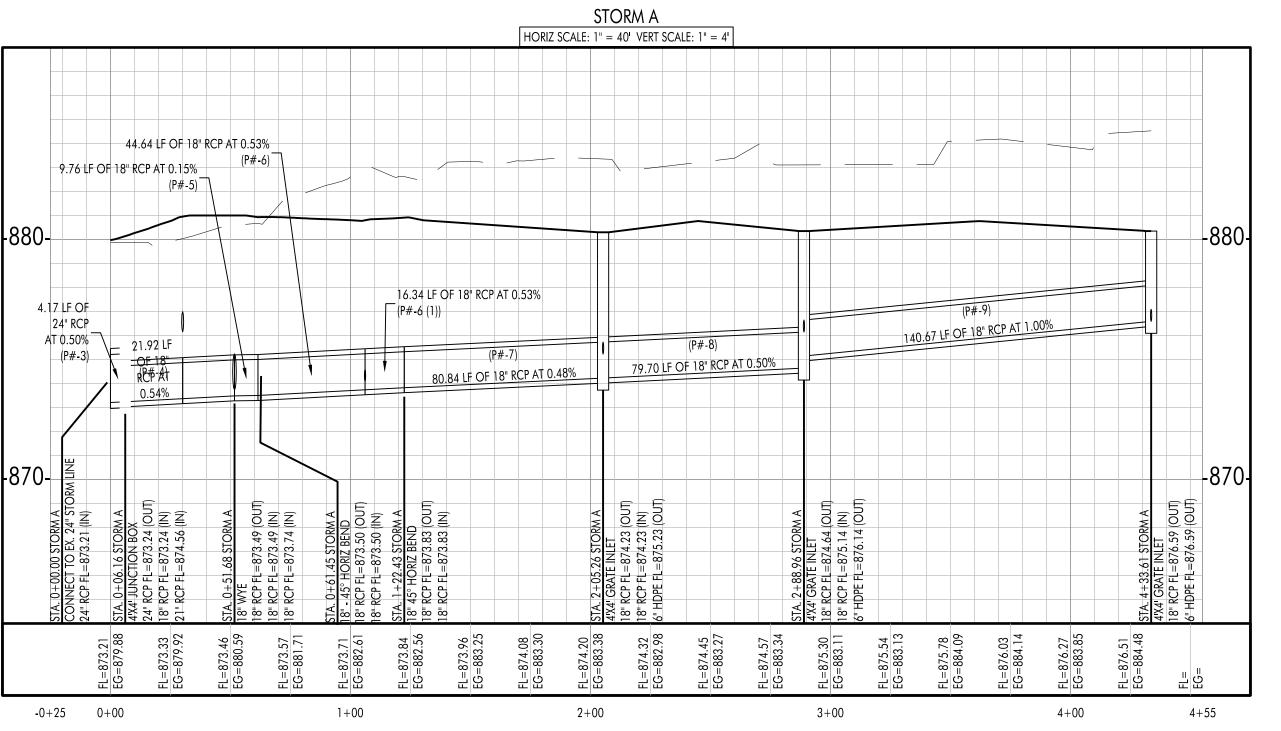




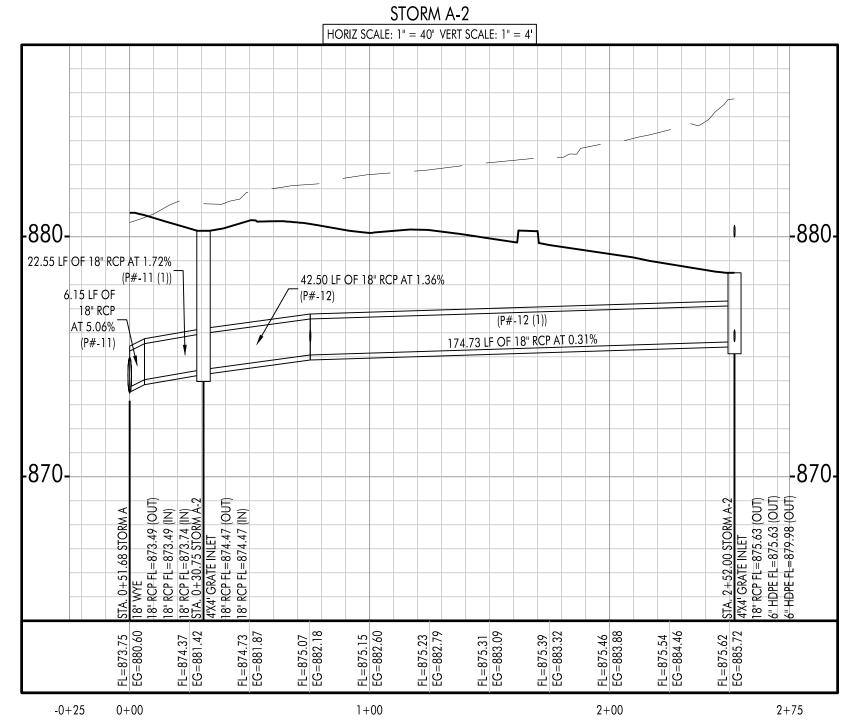








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DRAINAGE PROFILES

C310

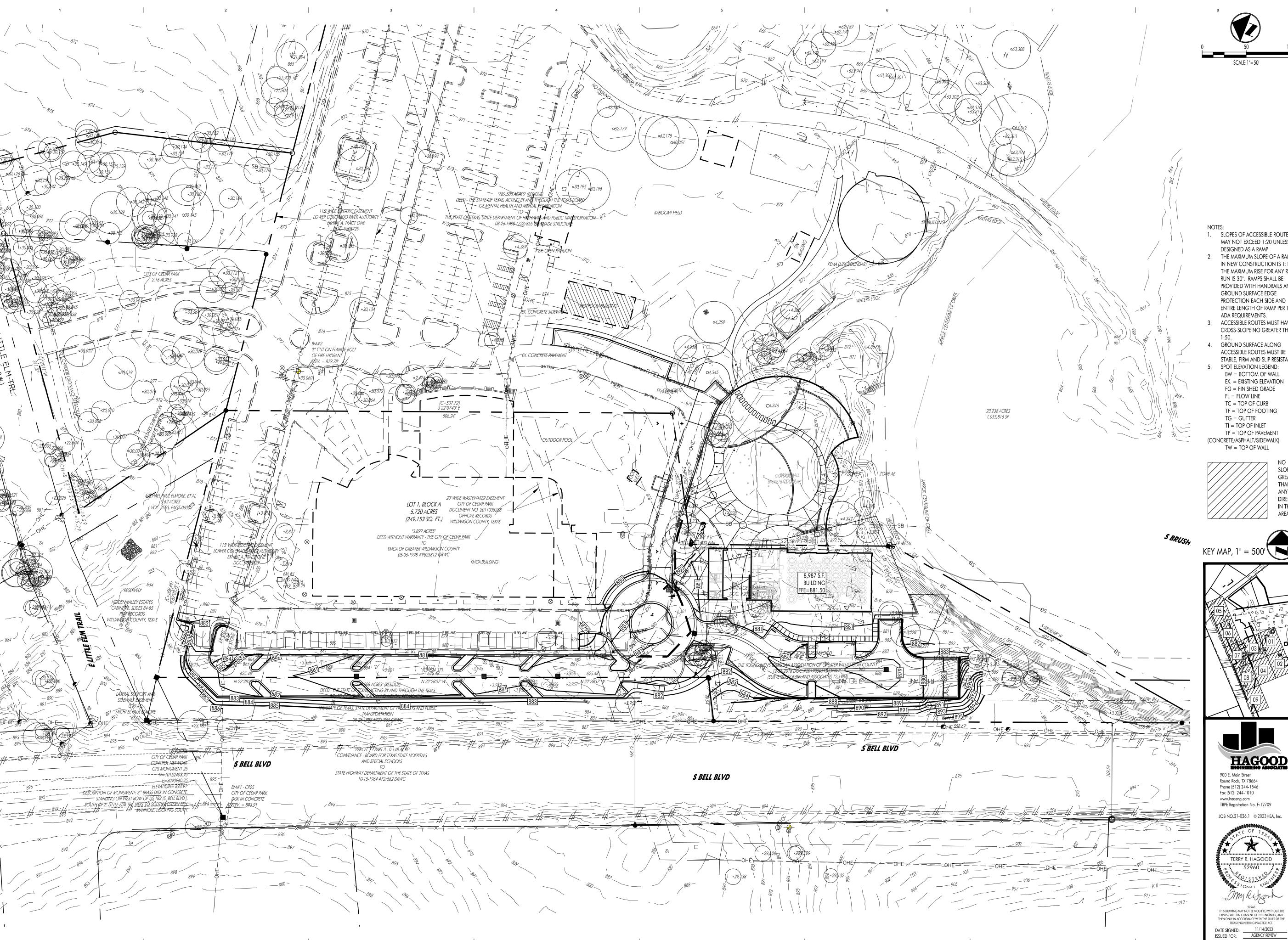
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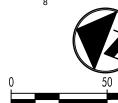
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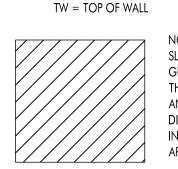


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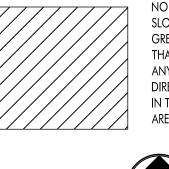
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1. SLOPES OF ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP.

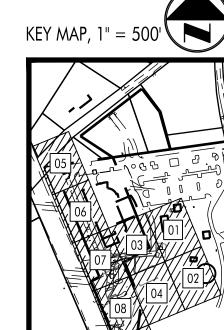
- 2. THE MAXIMUM SLOPE OF A RAMP
 IN NEW CONSTRUCTION IS 1:12.
 THE MAXIMUM RISE FOR ANY RAMP RUN IS 30". RAMPS SHALL BE PROVIDED WITH HANDRAILS AND GROUND SURFACE EDGE PROTECTION EACH SIDE AND ENTIRE LENGTH OF RAMP PER TDLR
- ADA REQUIREMENTS. 3. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN
- 4. GROUND SURFACE ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM AND SLIP RESISTANT. 5. SPOT ELEVATION LEGEND: BW = BOTTOM OF WALL EX. = EXISTING ELEVATION FG = FINISHED GRADEFL = FLOW LINE
 - TC = TOP OF CURB TF = TOP OF FOOTING TG = GUTTER
- TI = TOP OF INLET TP = TOP OF PAVEMENT (CONCRETE/ASPHALT/SIDEWALK)

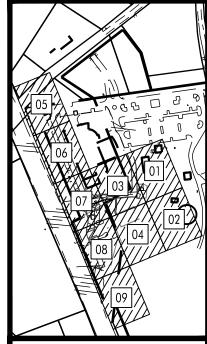


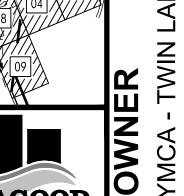
TW = TOP OF WALL











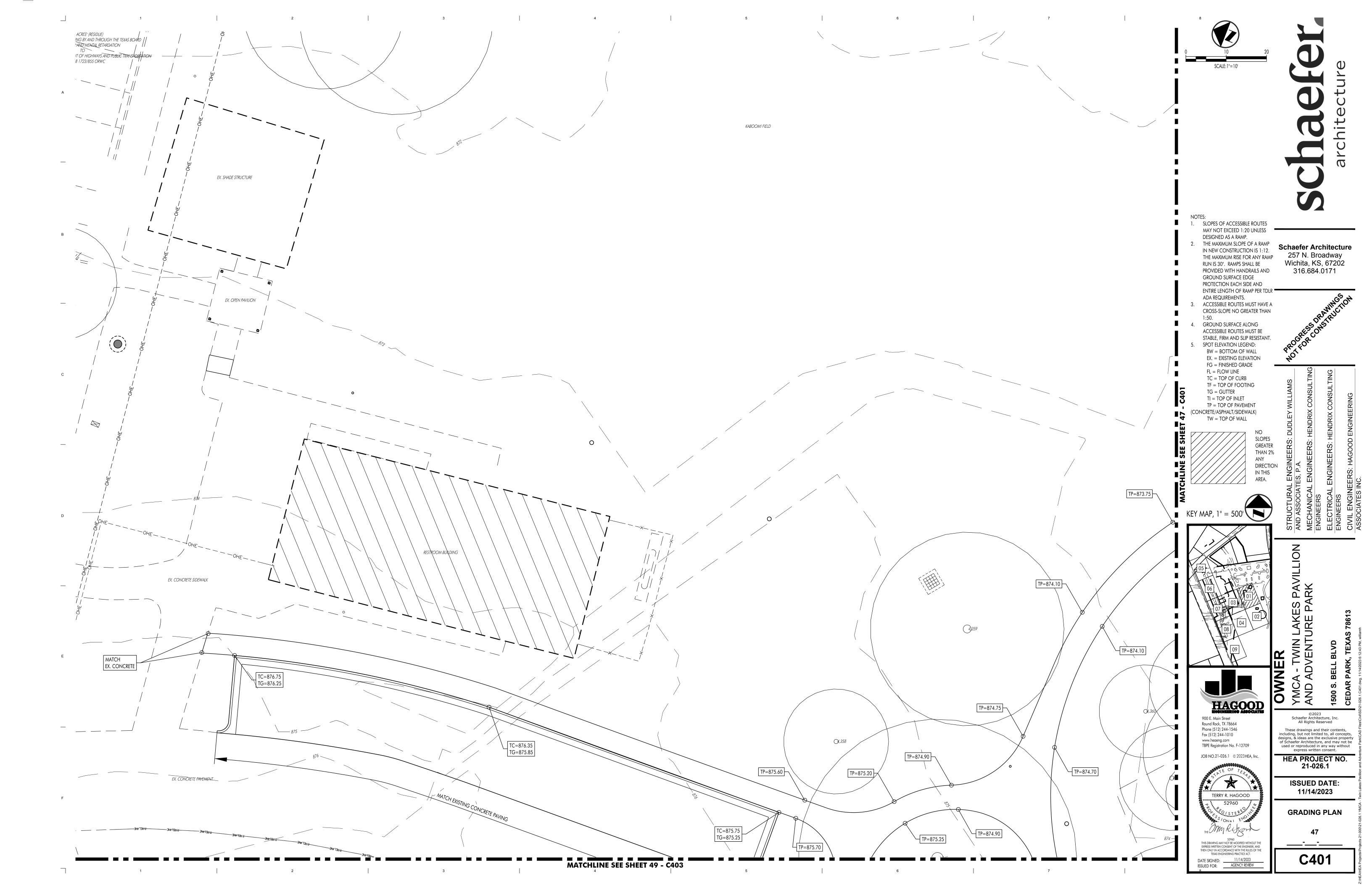
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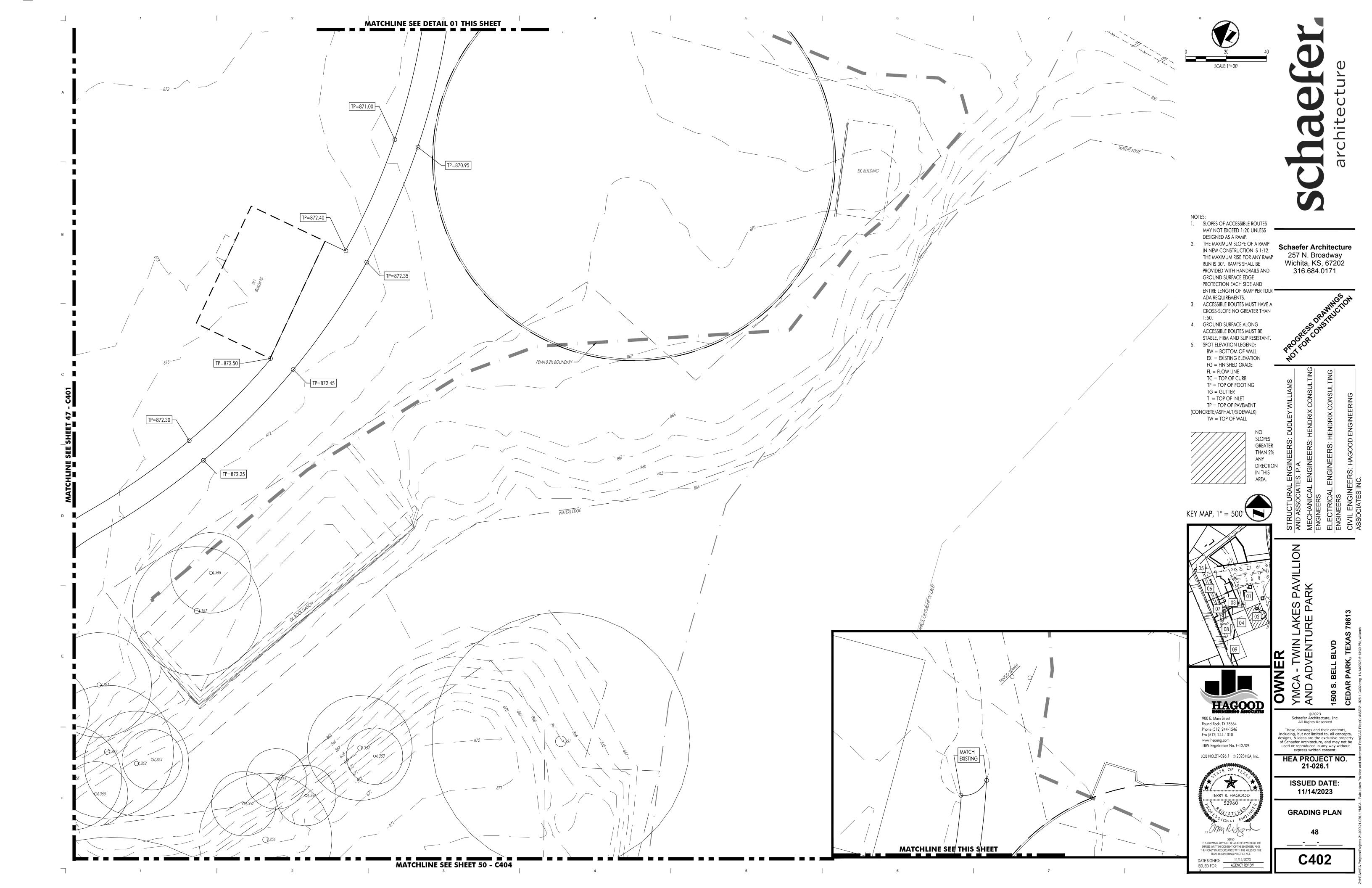
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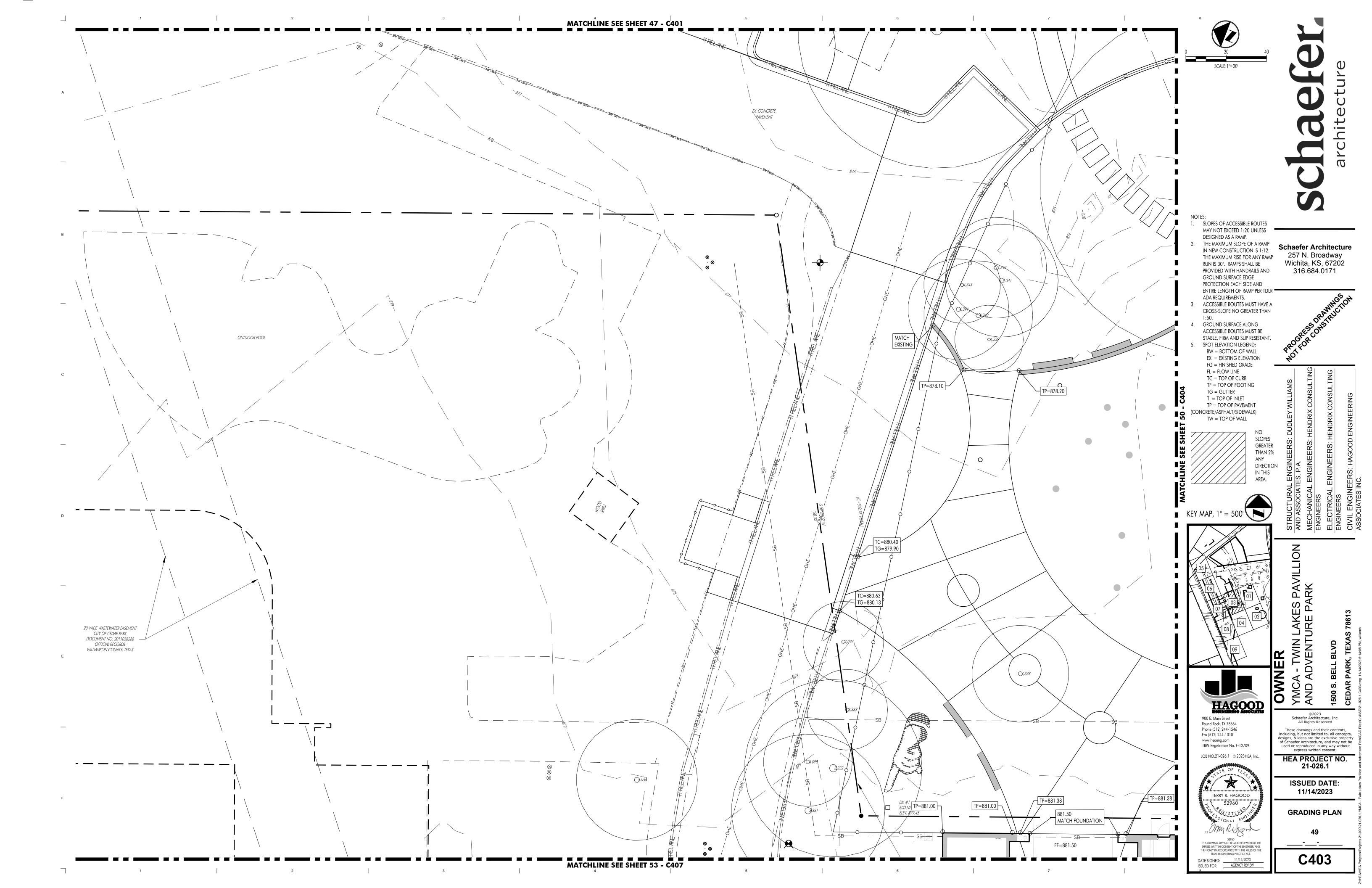
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11/14/2023 **OVERALL GRADING** PLAN









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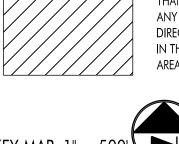
ADA REQUIREMENTS. 3. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN

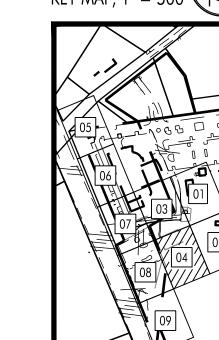
4. GROUND SURFACE ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM AND SLIP RESISTANT. 5. SPOT ELEVATION LEGEND: BW = BOTTOM OF WALL

EX. = EXISTING ELEVATIONFG = FINISHED GRADEFL = FLOW LINETC = TOP OF CURBTF = TOP OF FOOTING

TG = GUTTERTI = TOP OF INLETTP = TOP OF PAVEMENT(CONCRETE/ASPHALT/SIDEWALK)

TW = TOP OF WALL







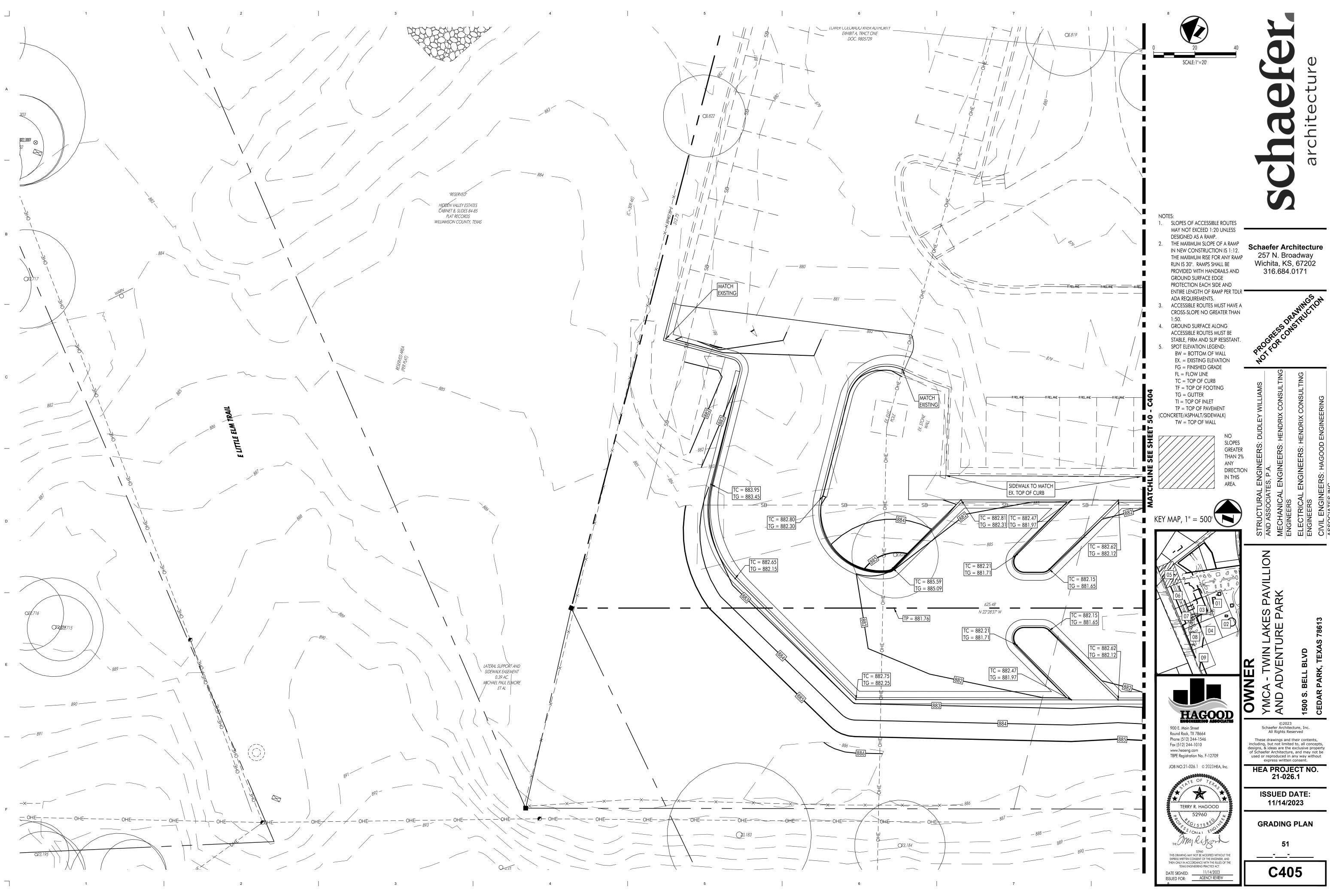
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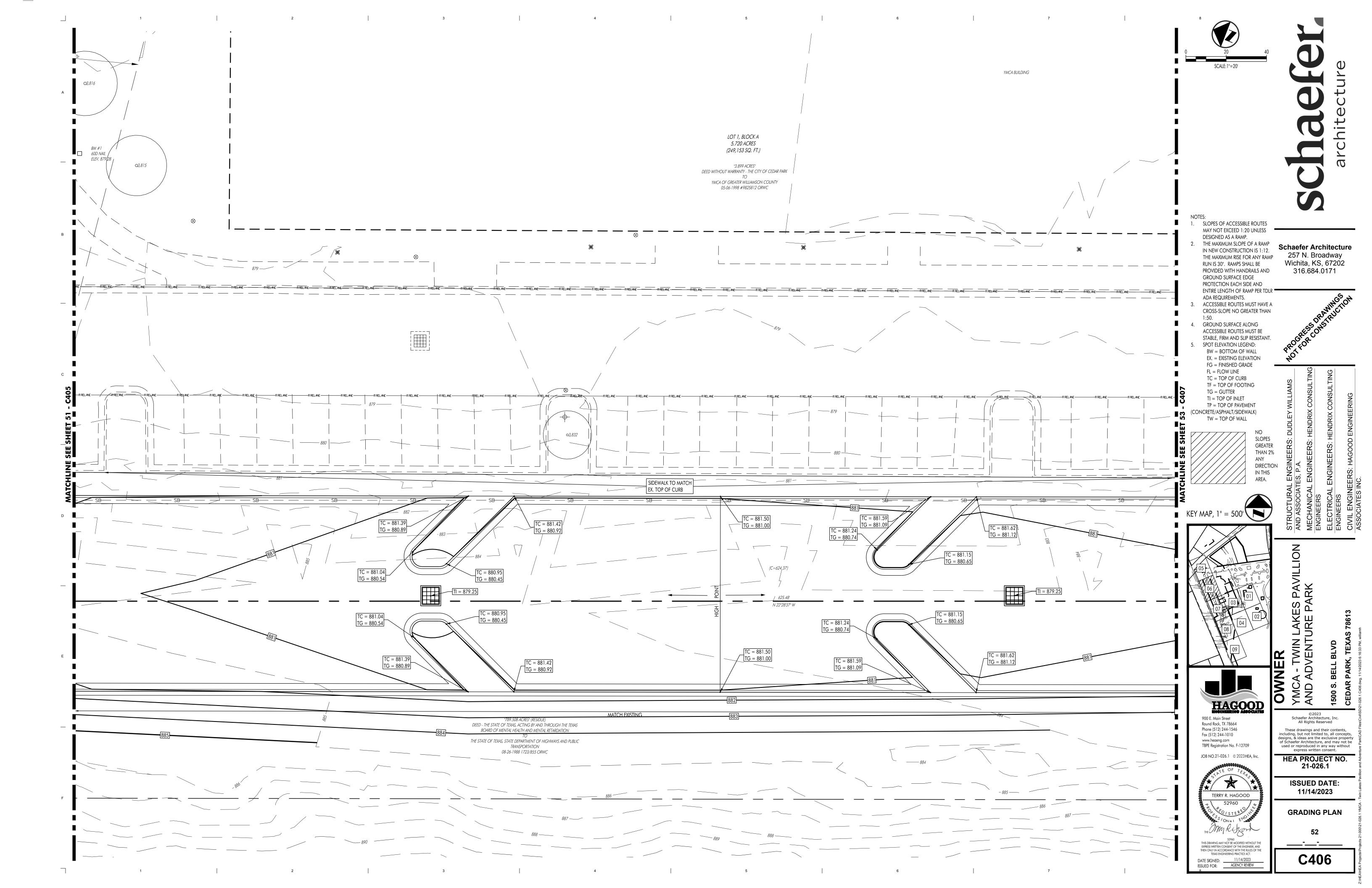
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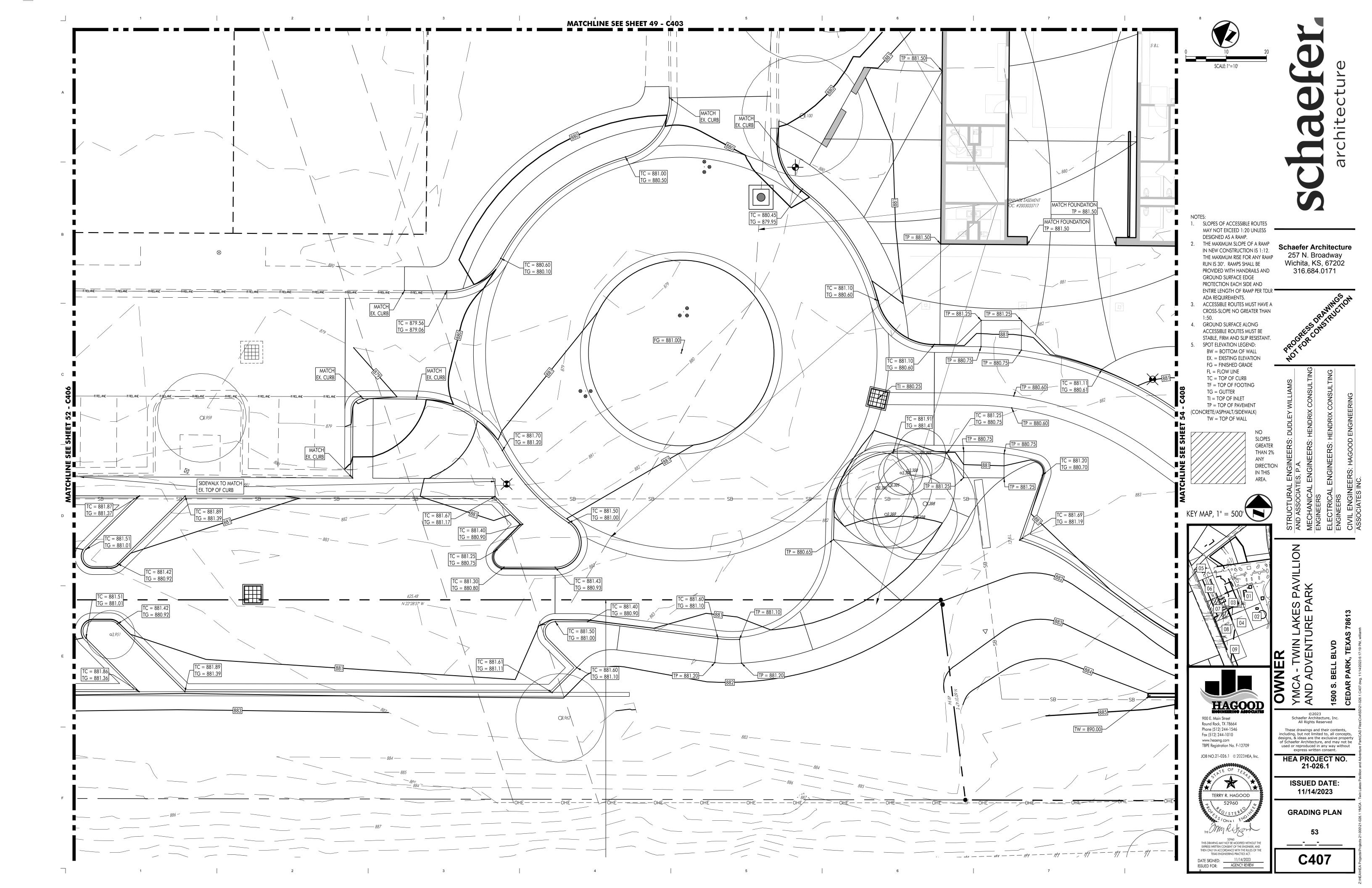
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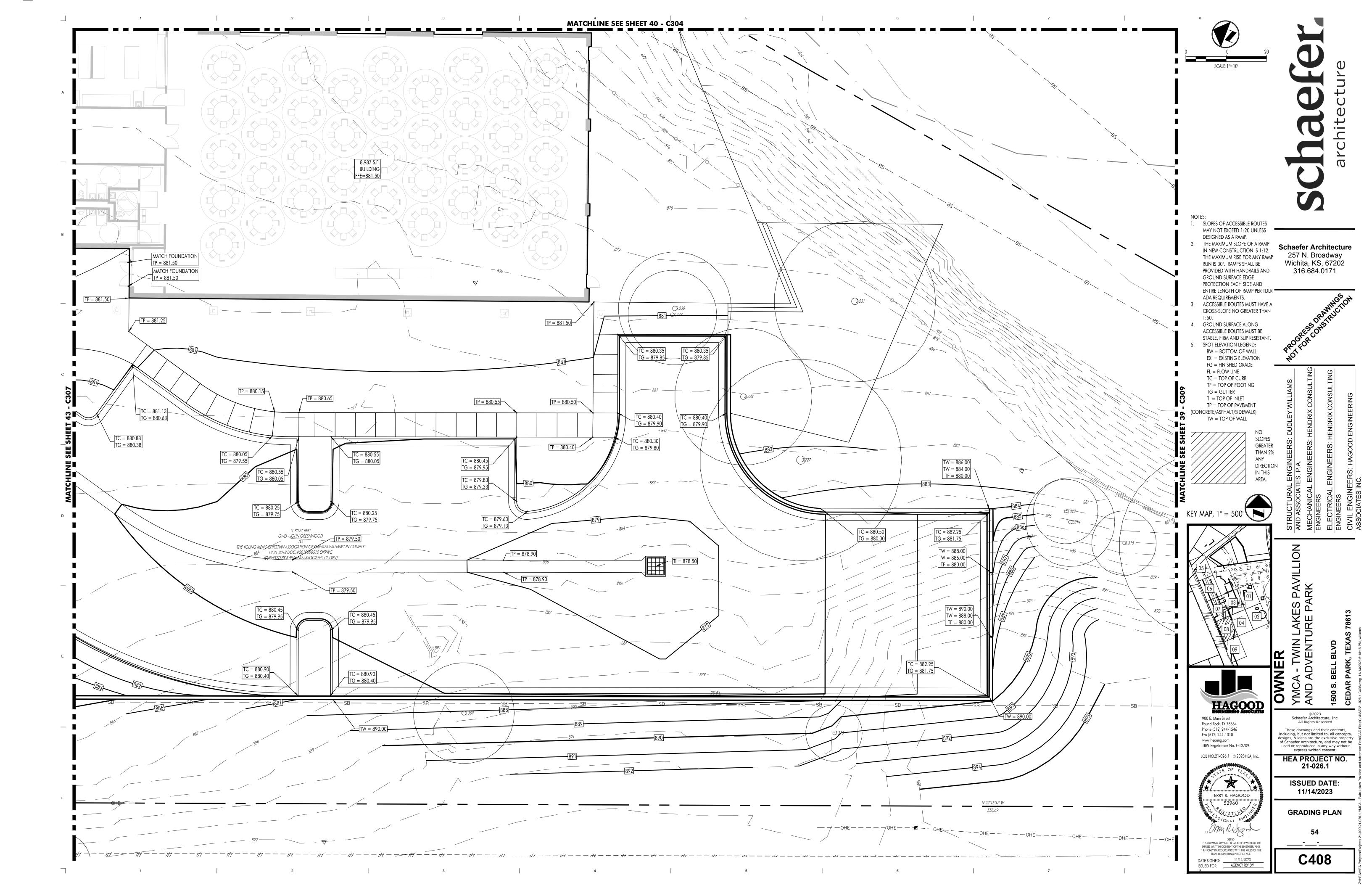
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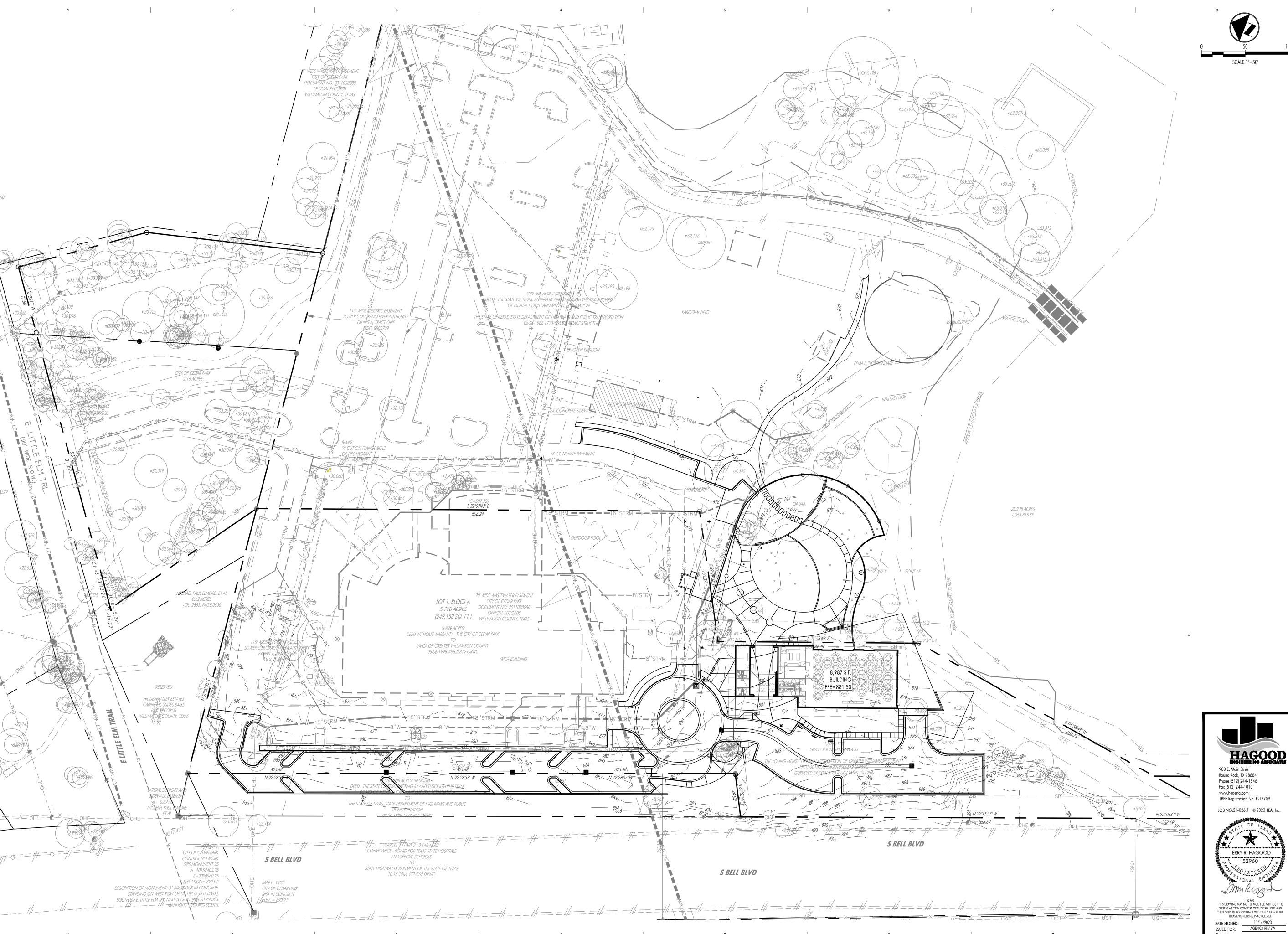
GRADING PLAN

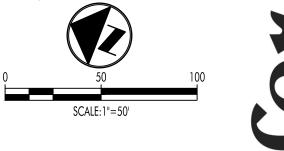












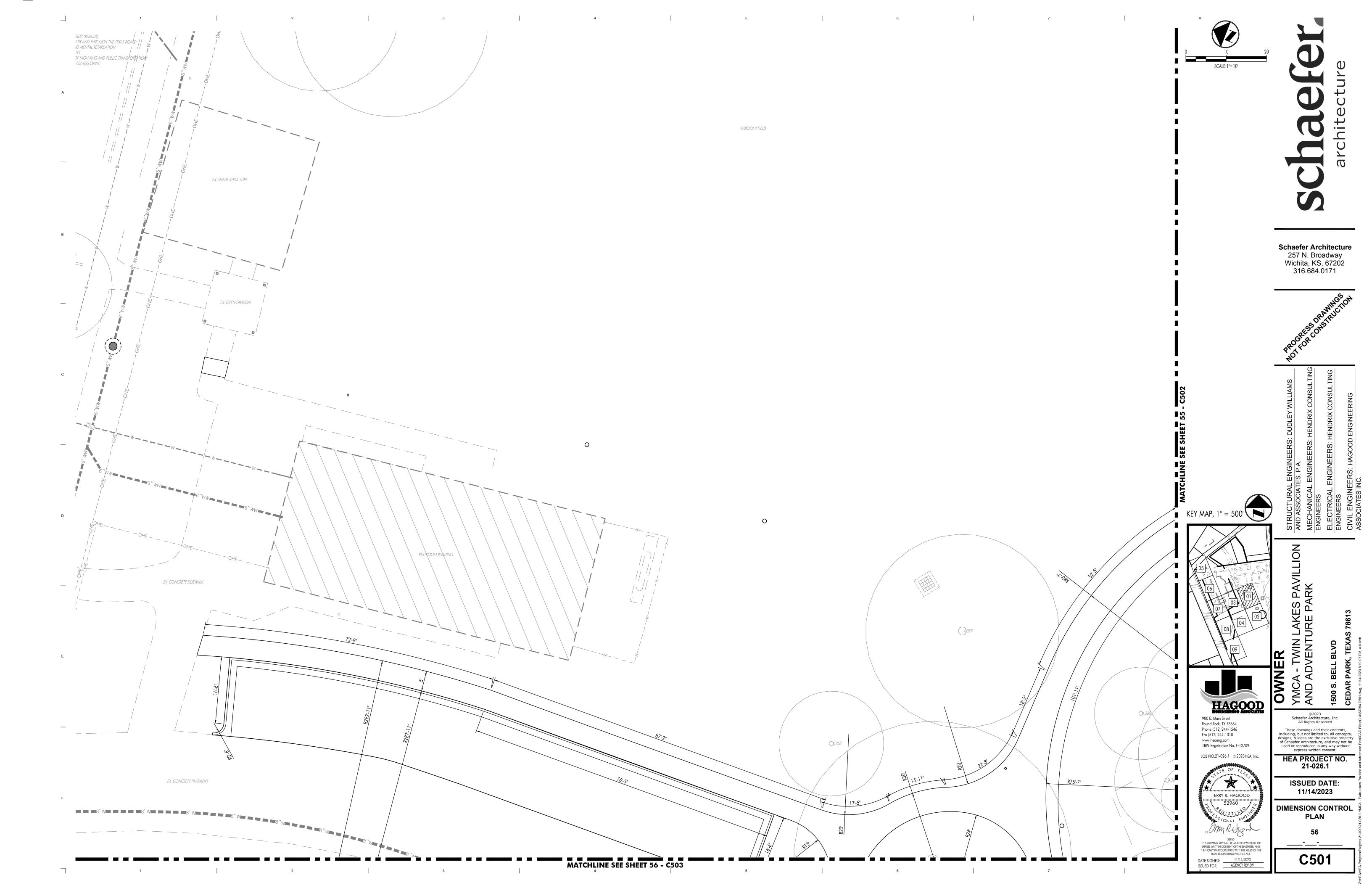
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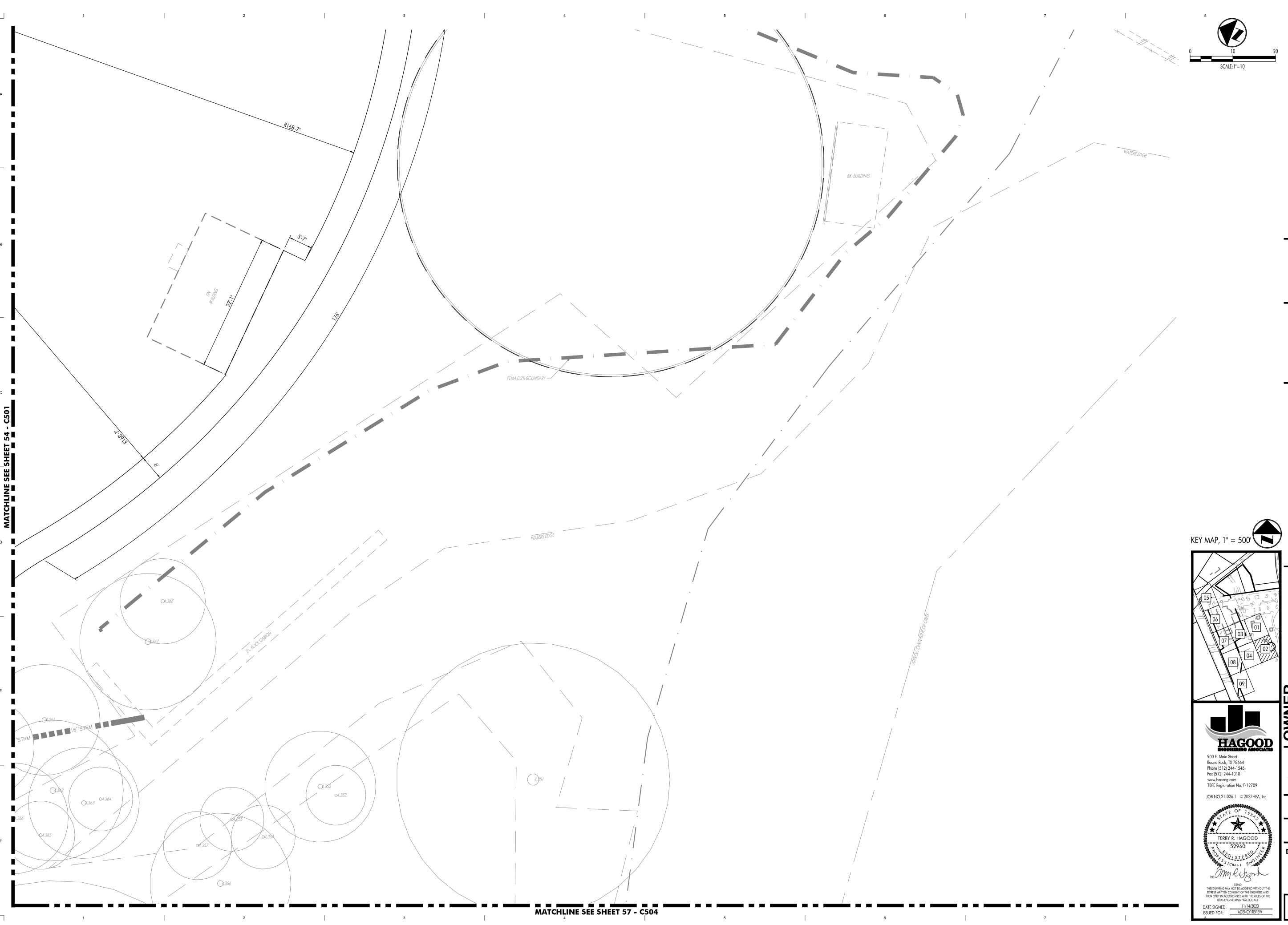
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OVERALL DIMENSION PLAN





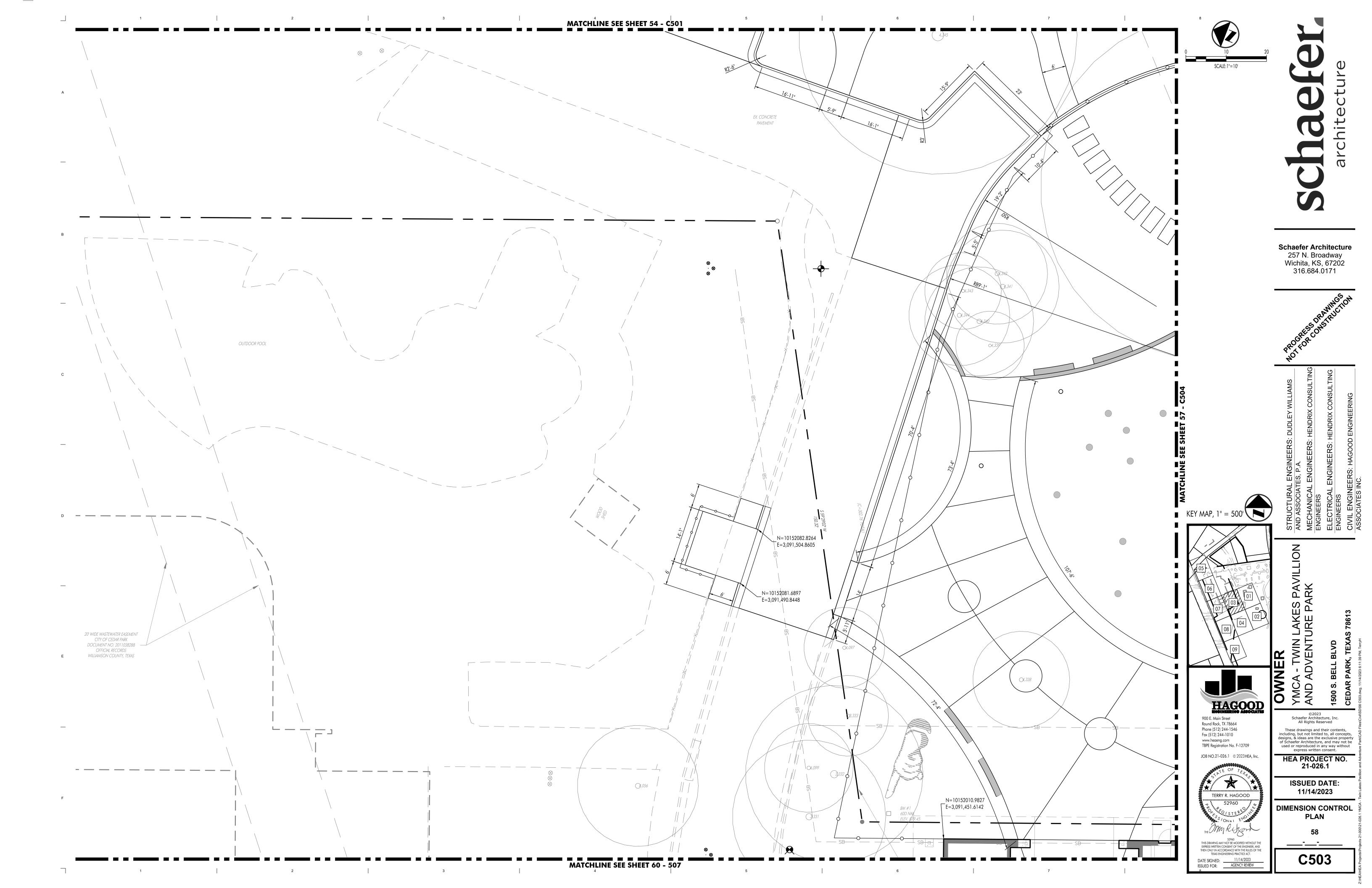
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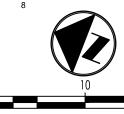
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DIMENSION CONTROL PLAN



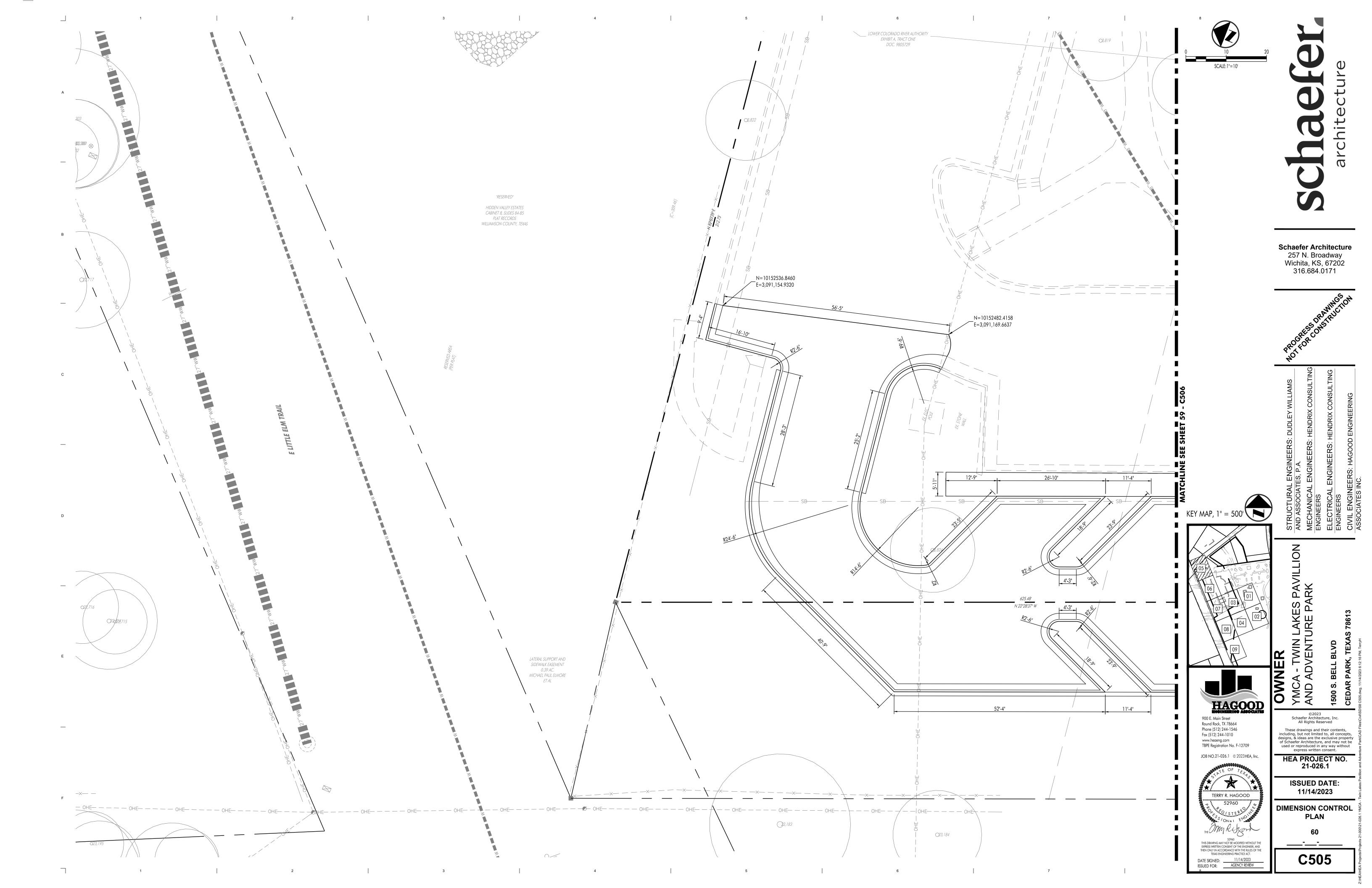


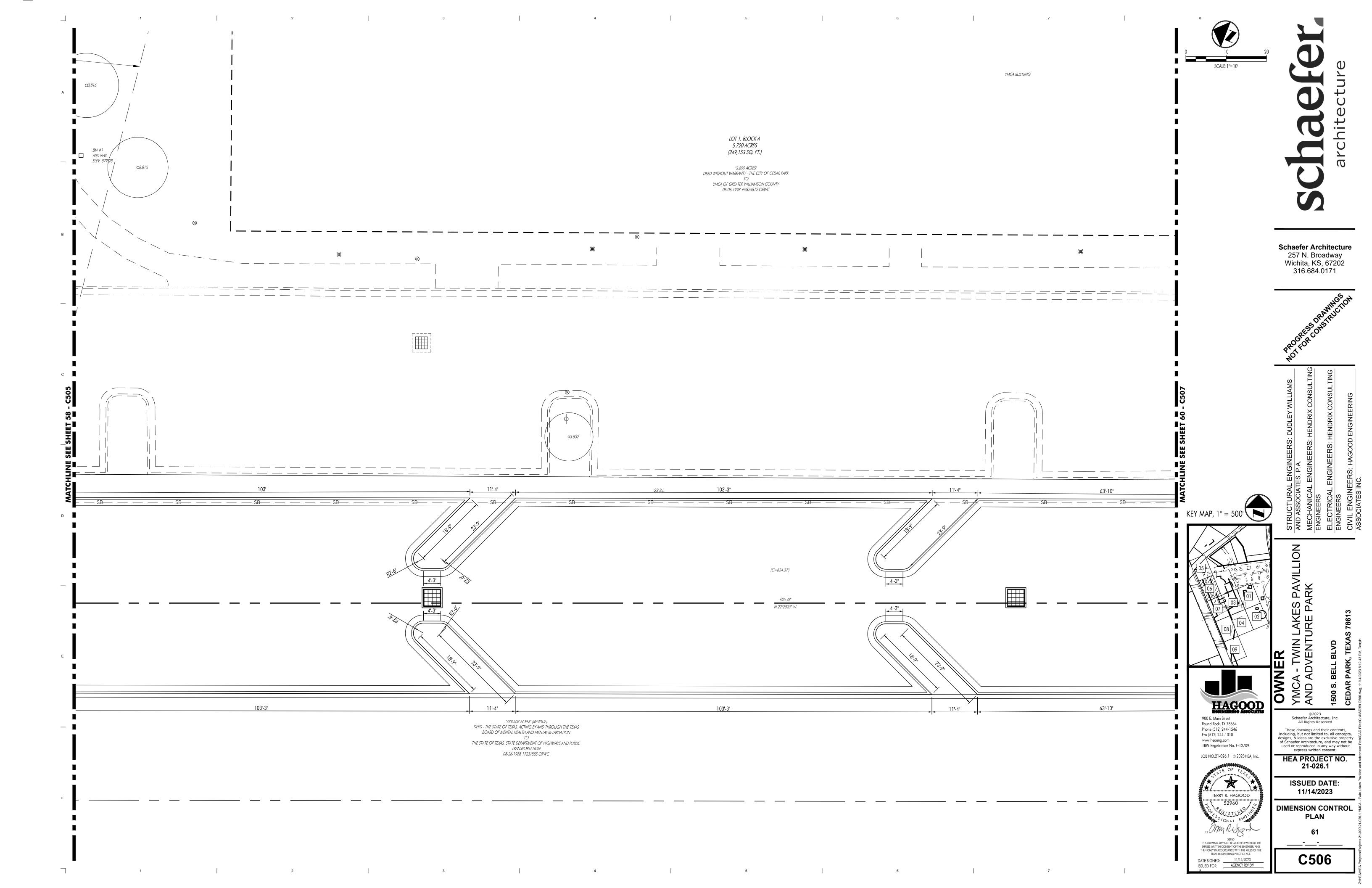
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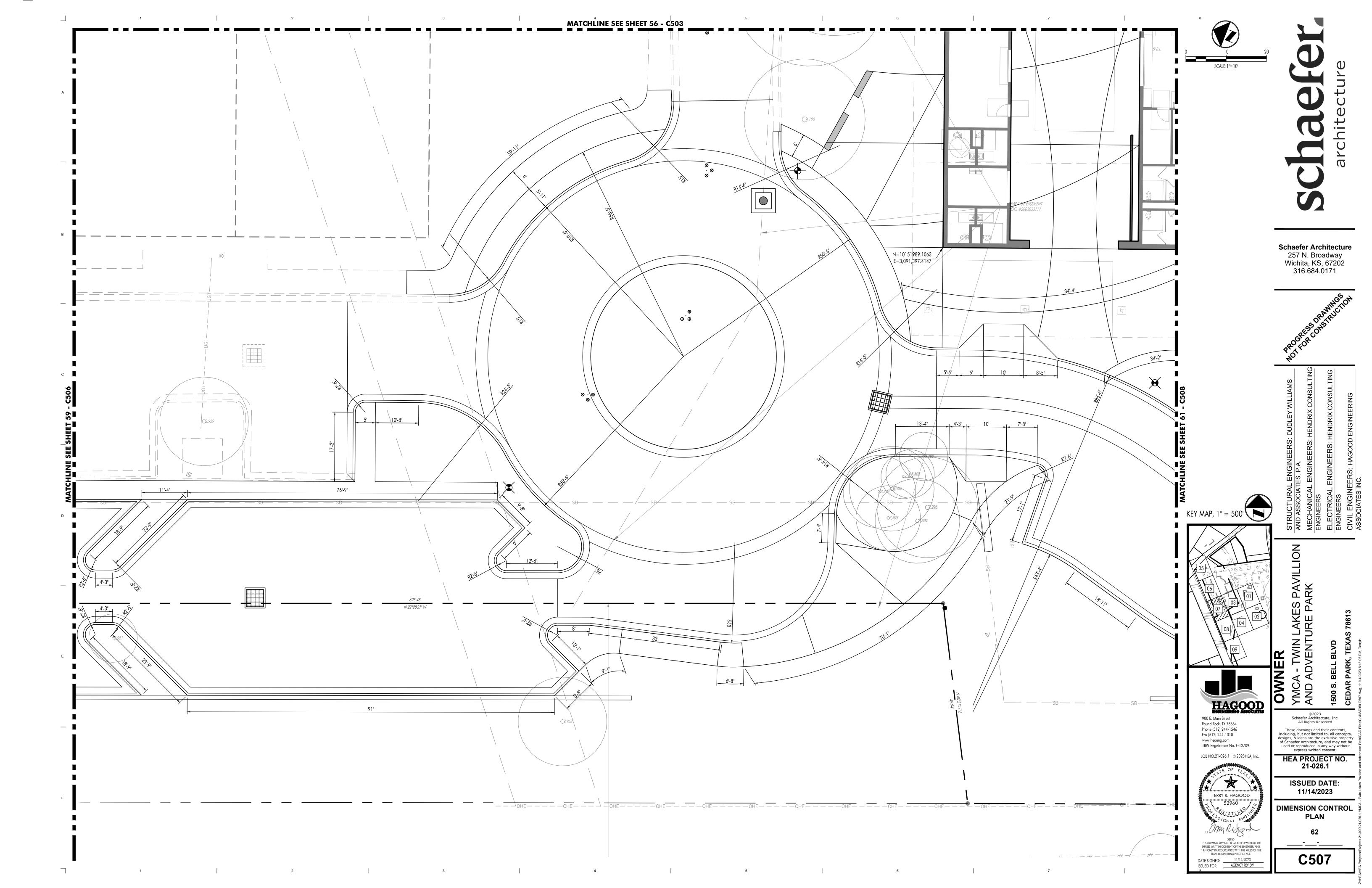
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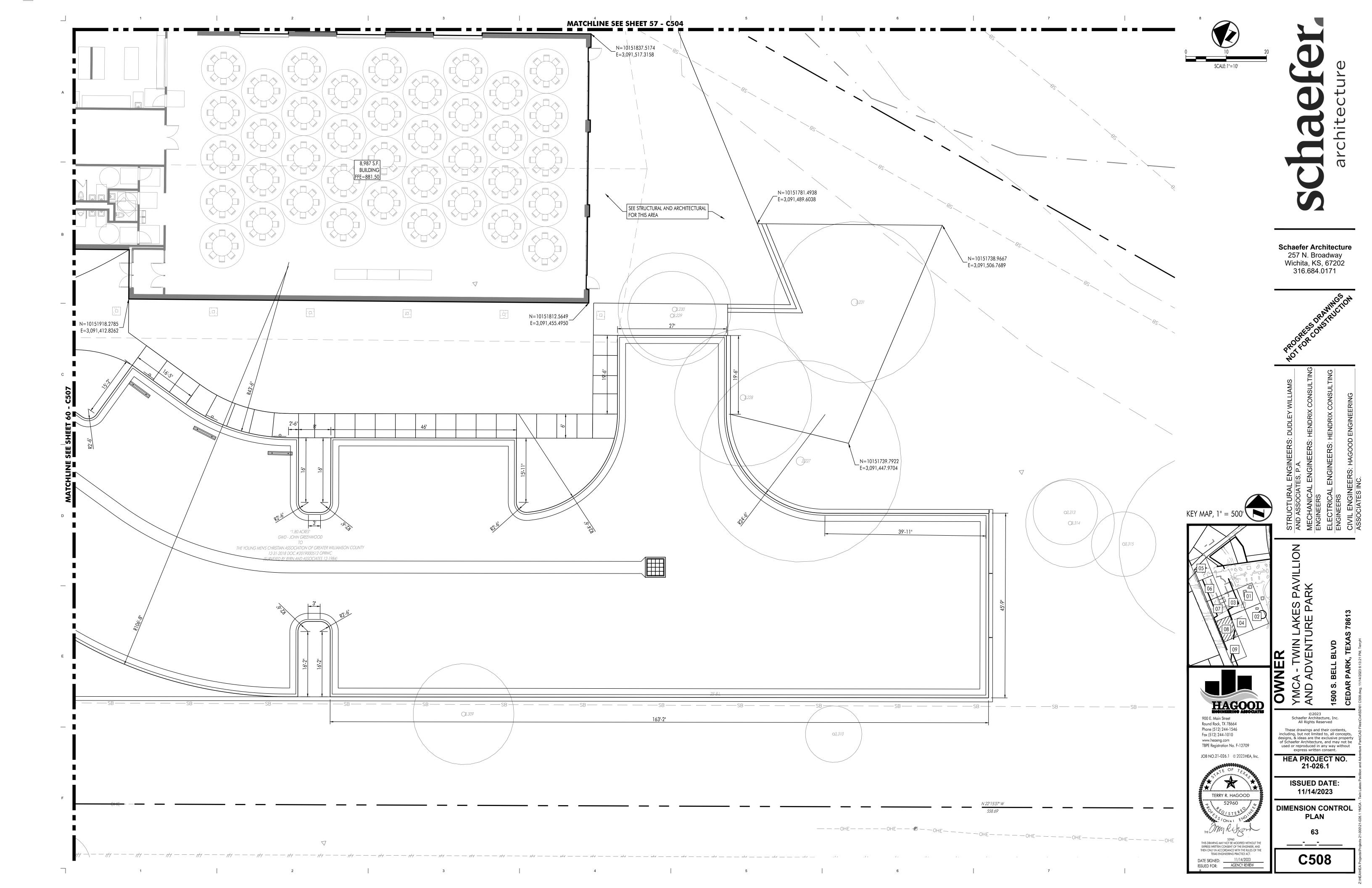
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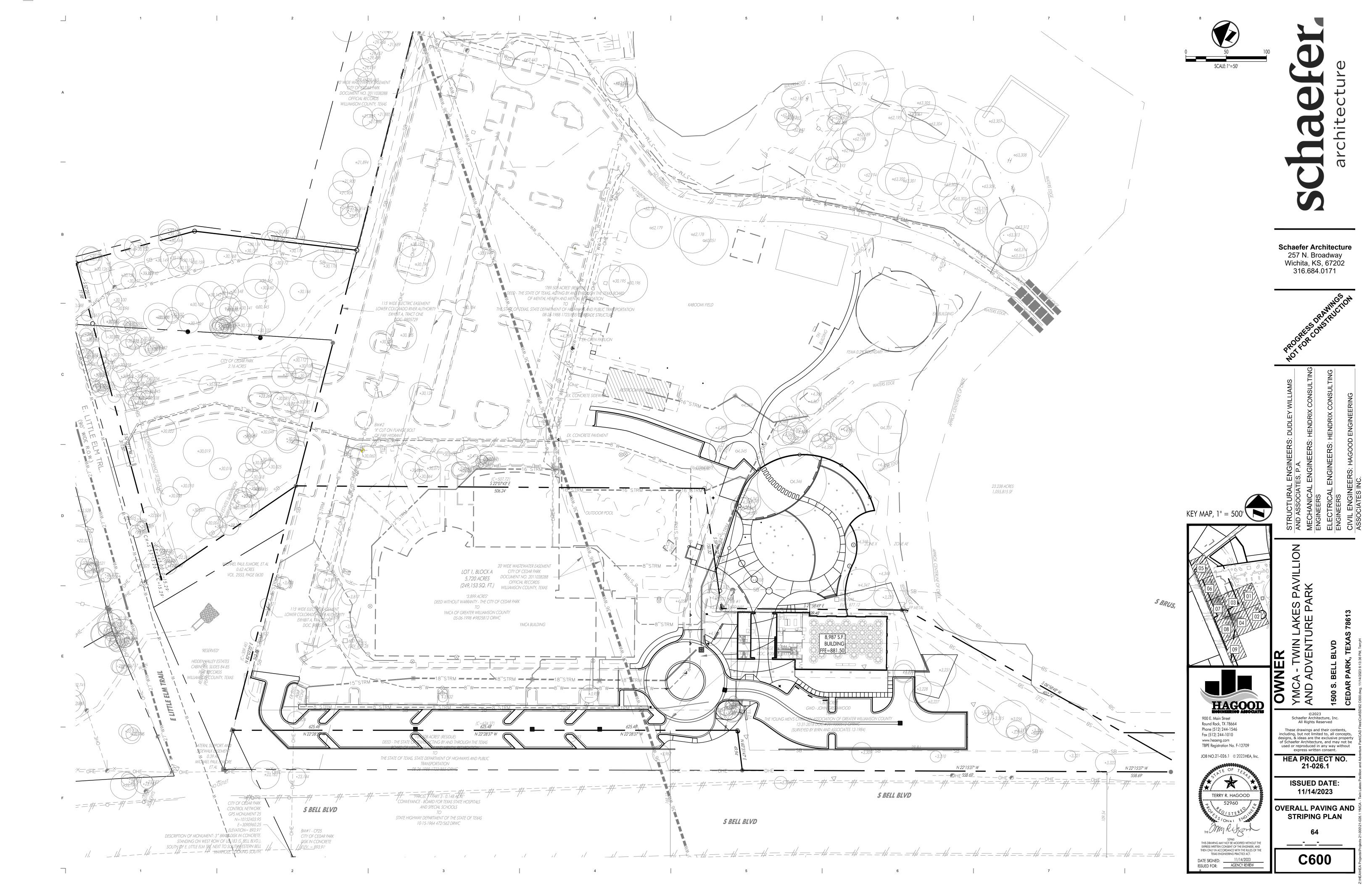
DIMENSION CONTROL PLAN

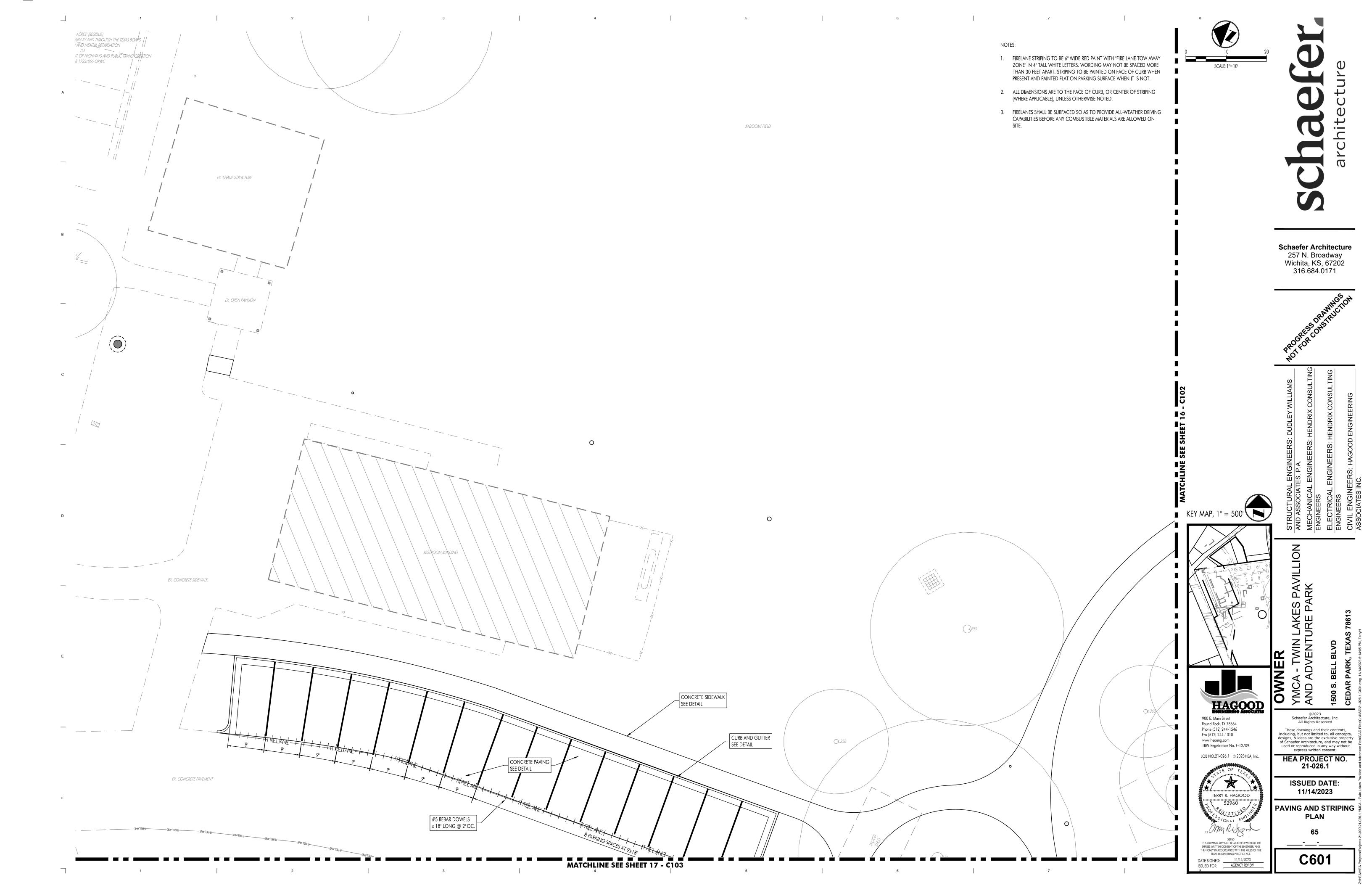


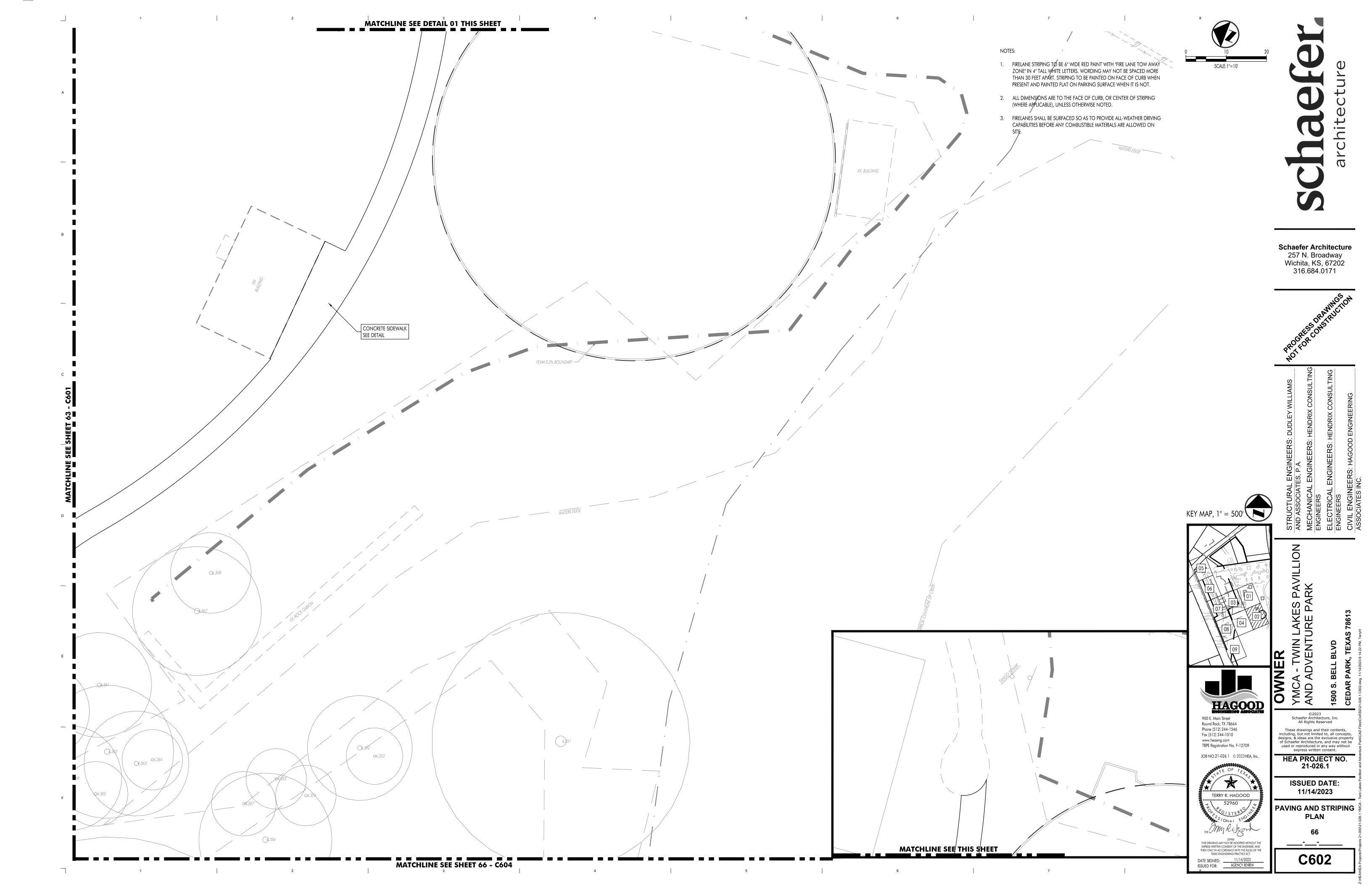


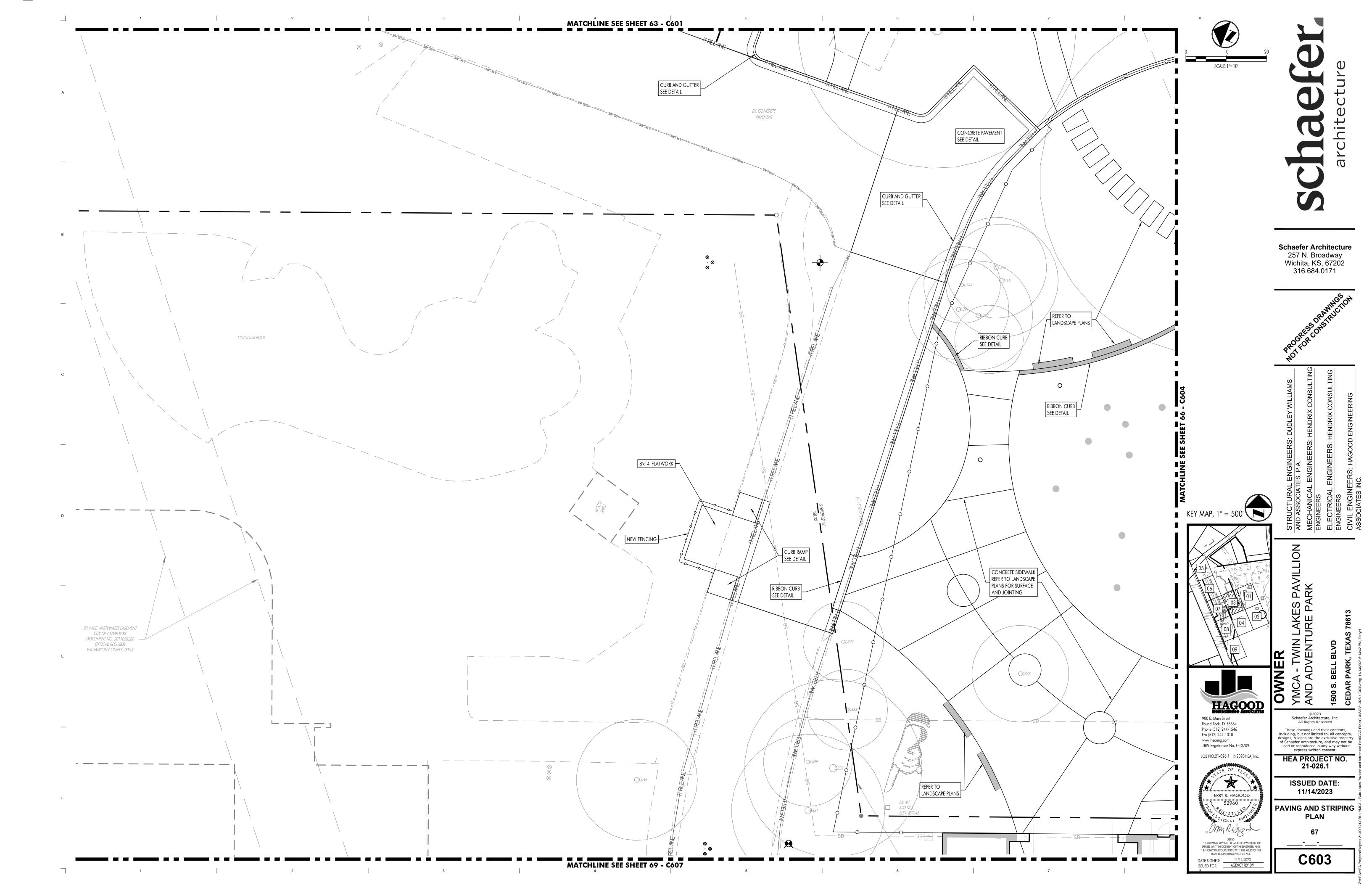














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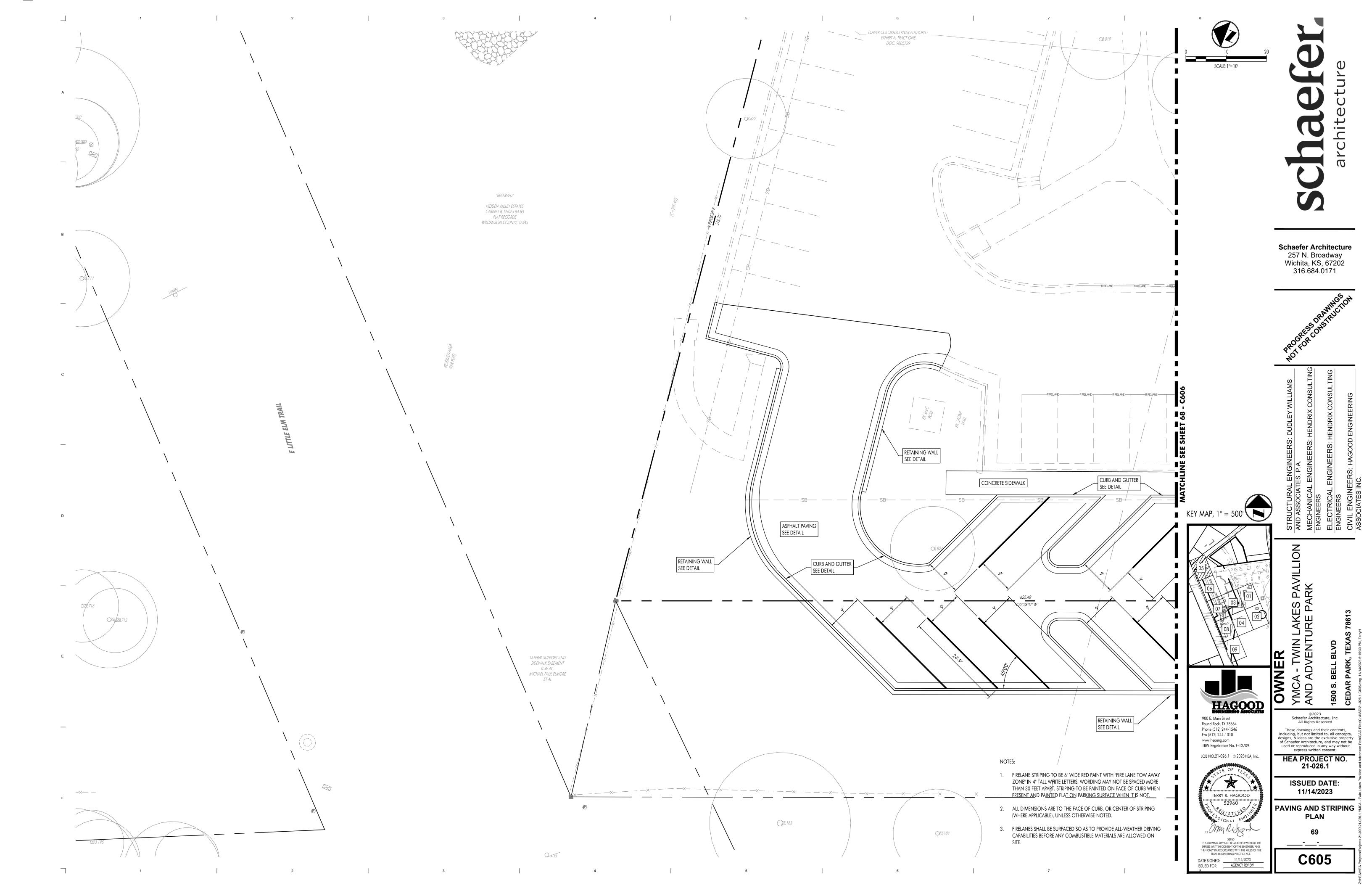
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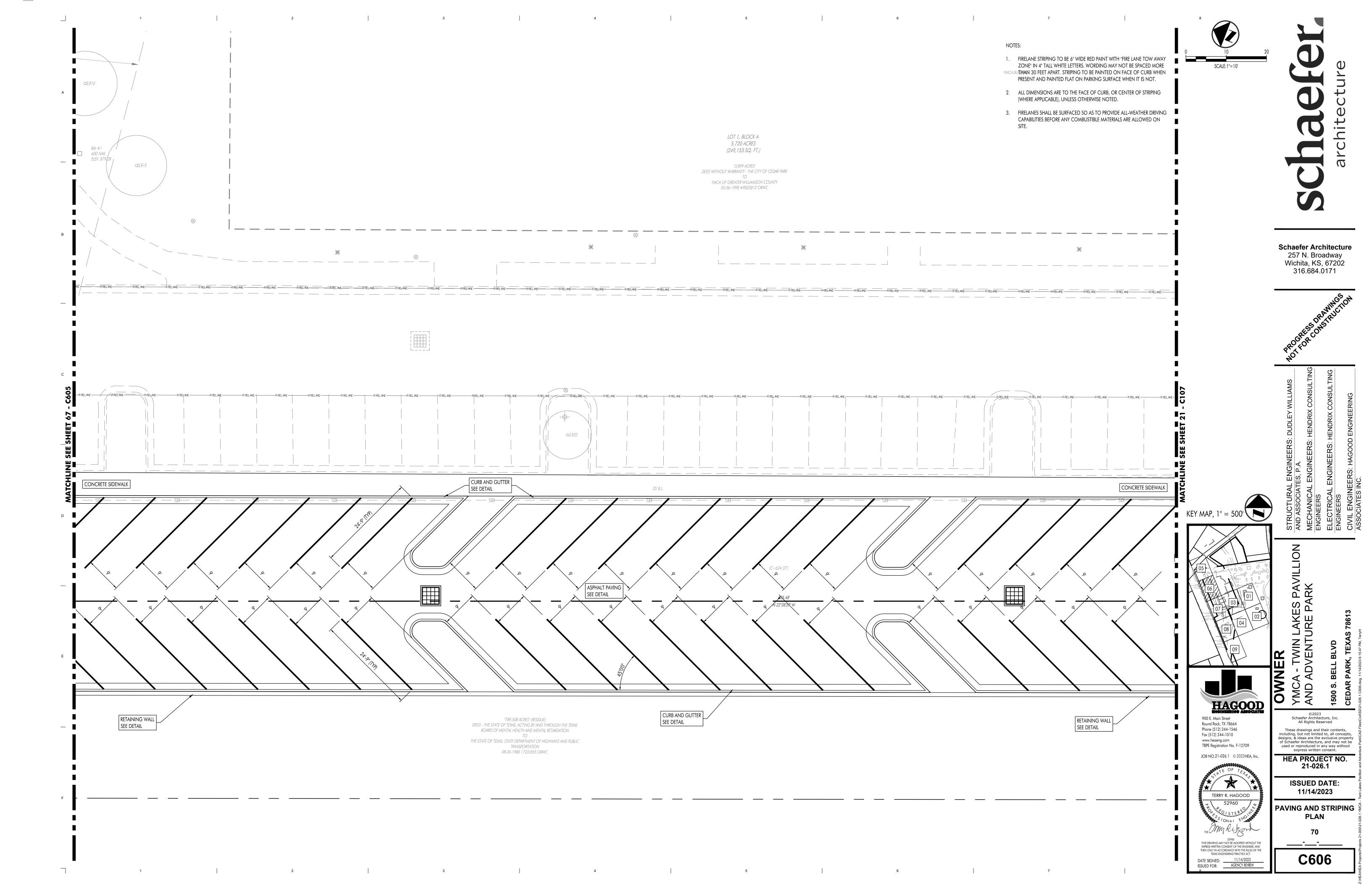
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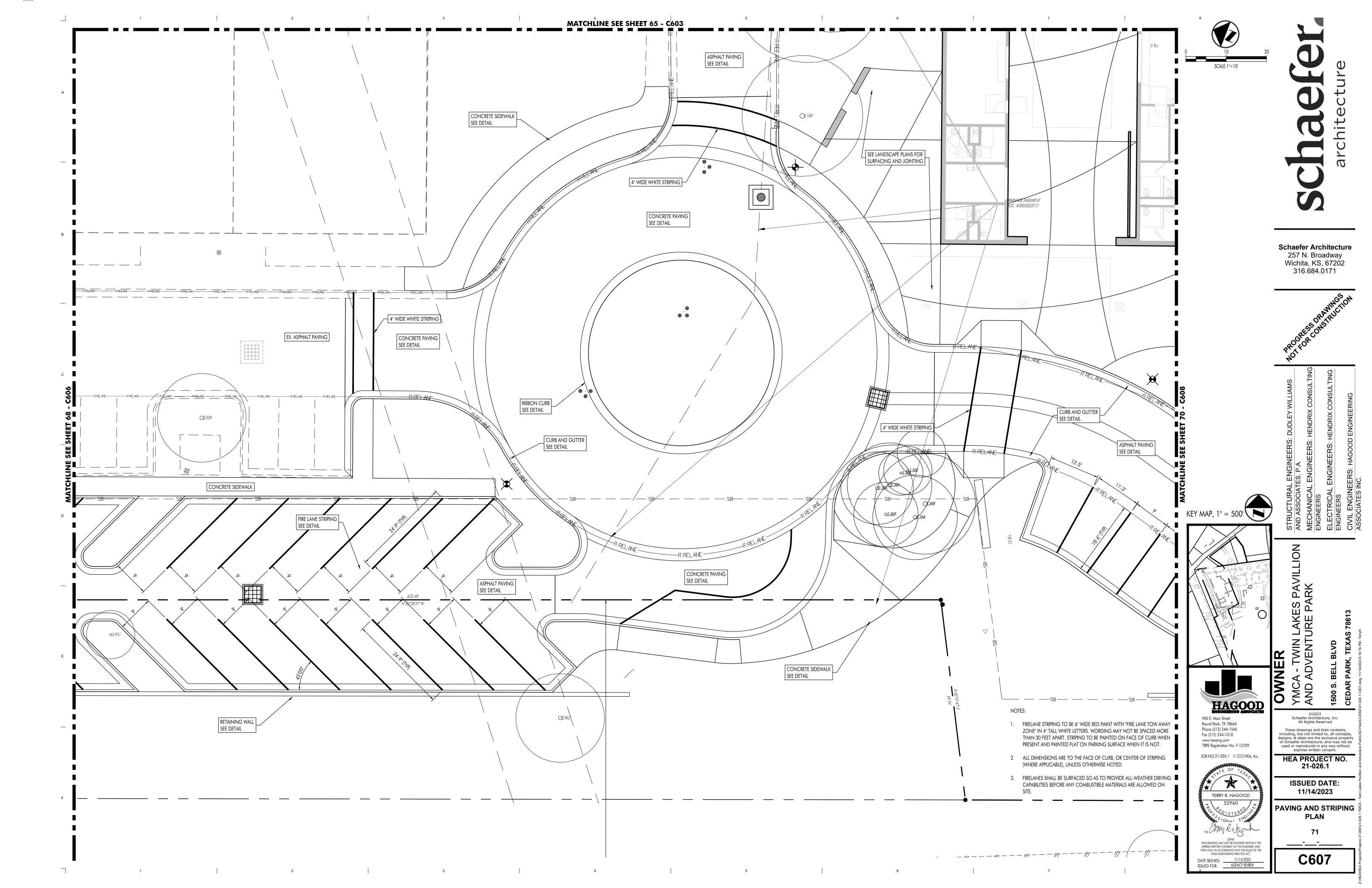
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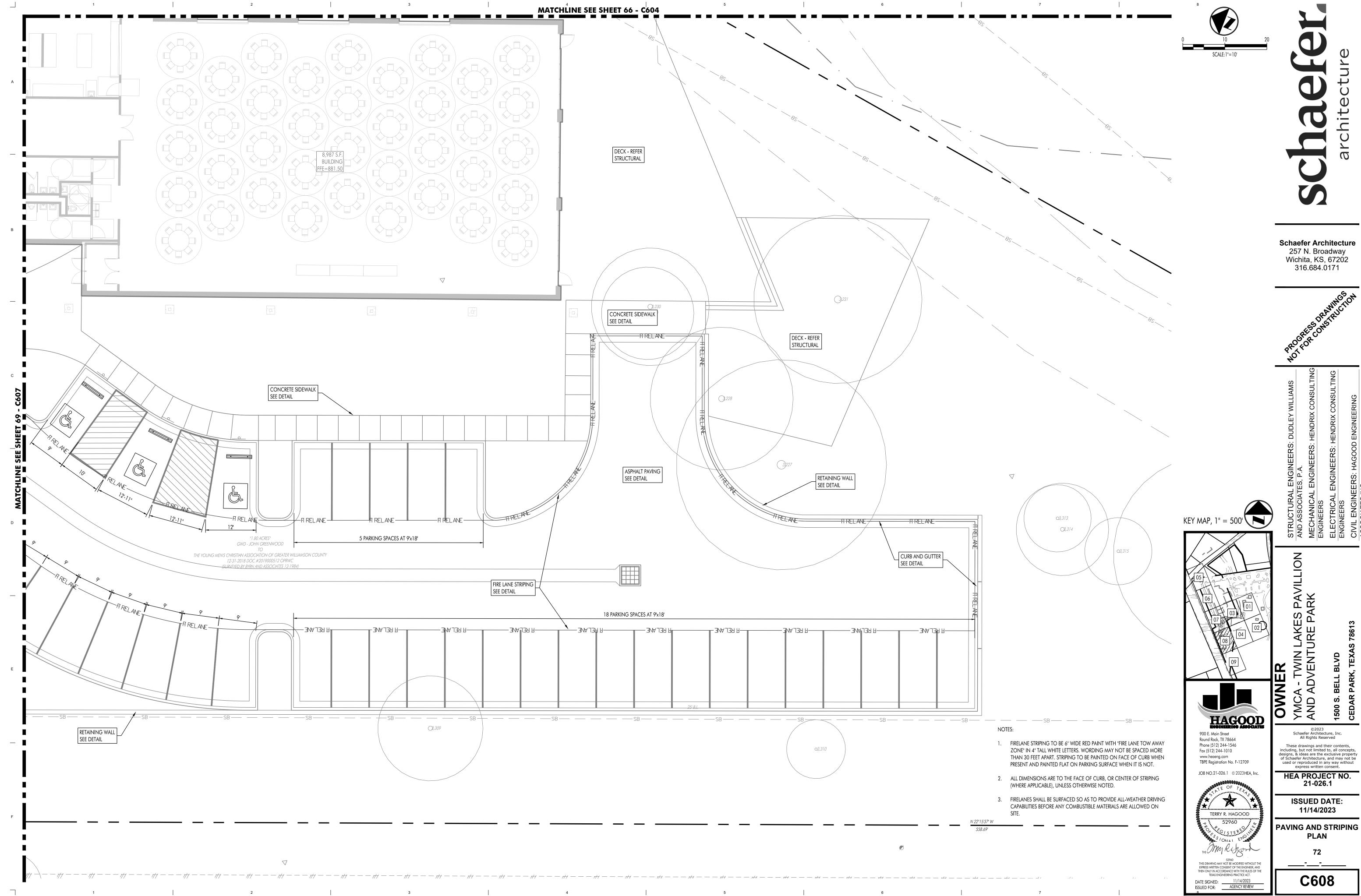
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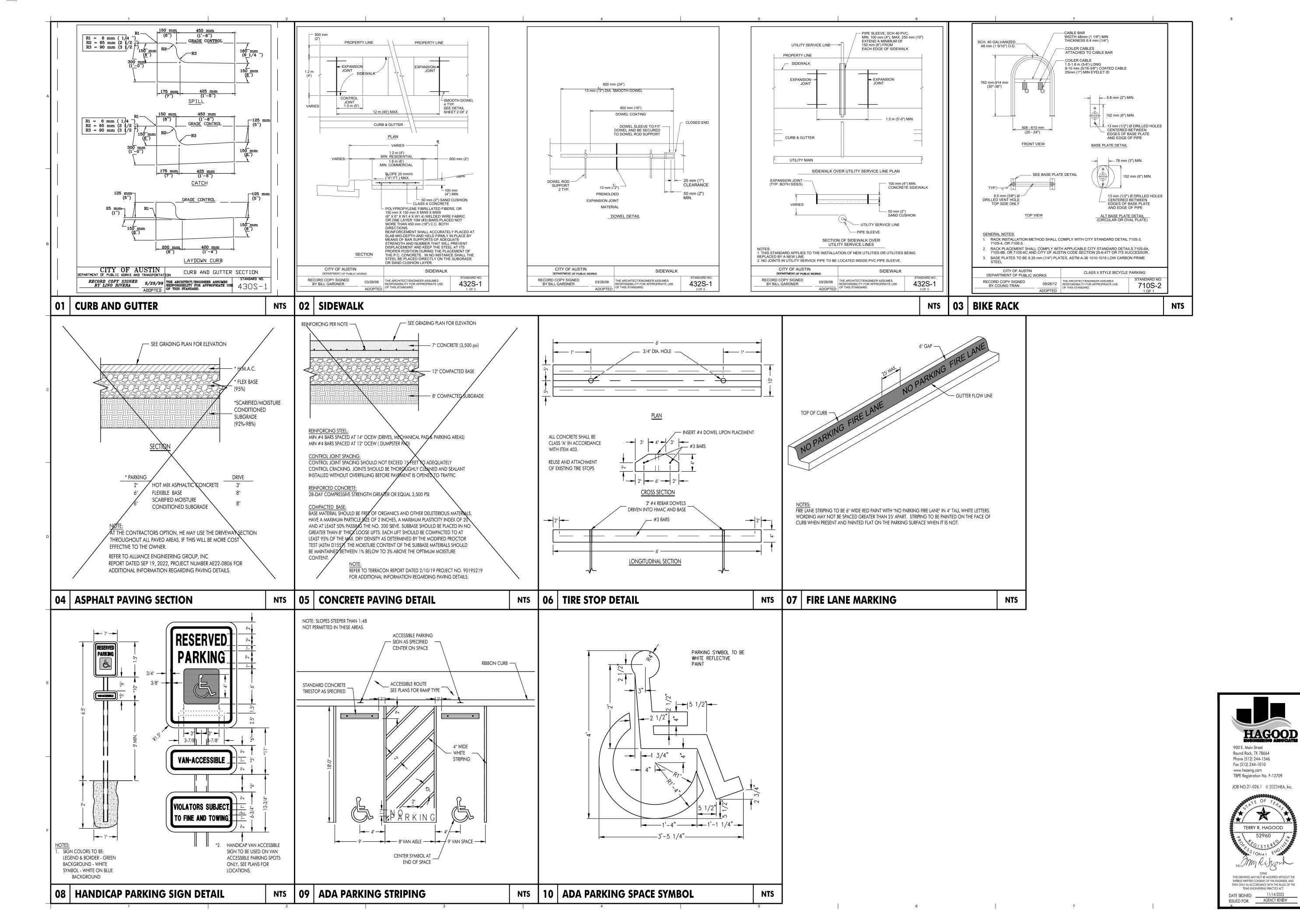
PAVING AND STRIPING













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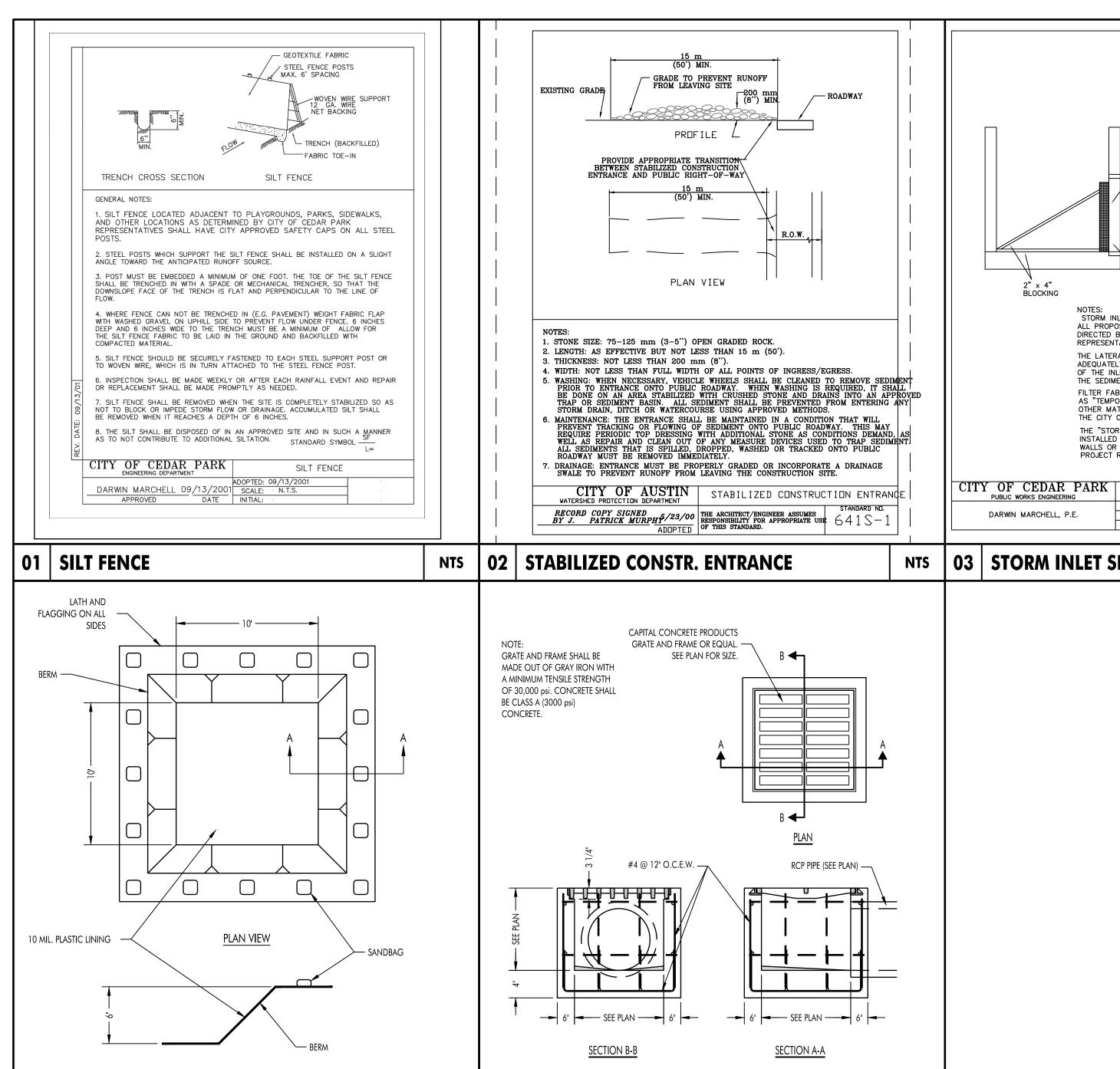
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CONSTRUCTION **DETAILS**

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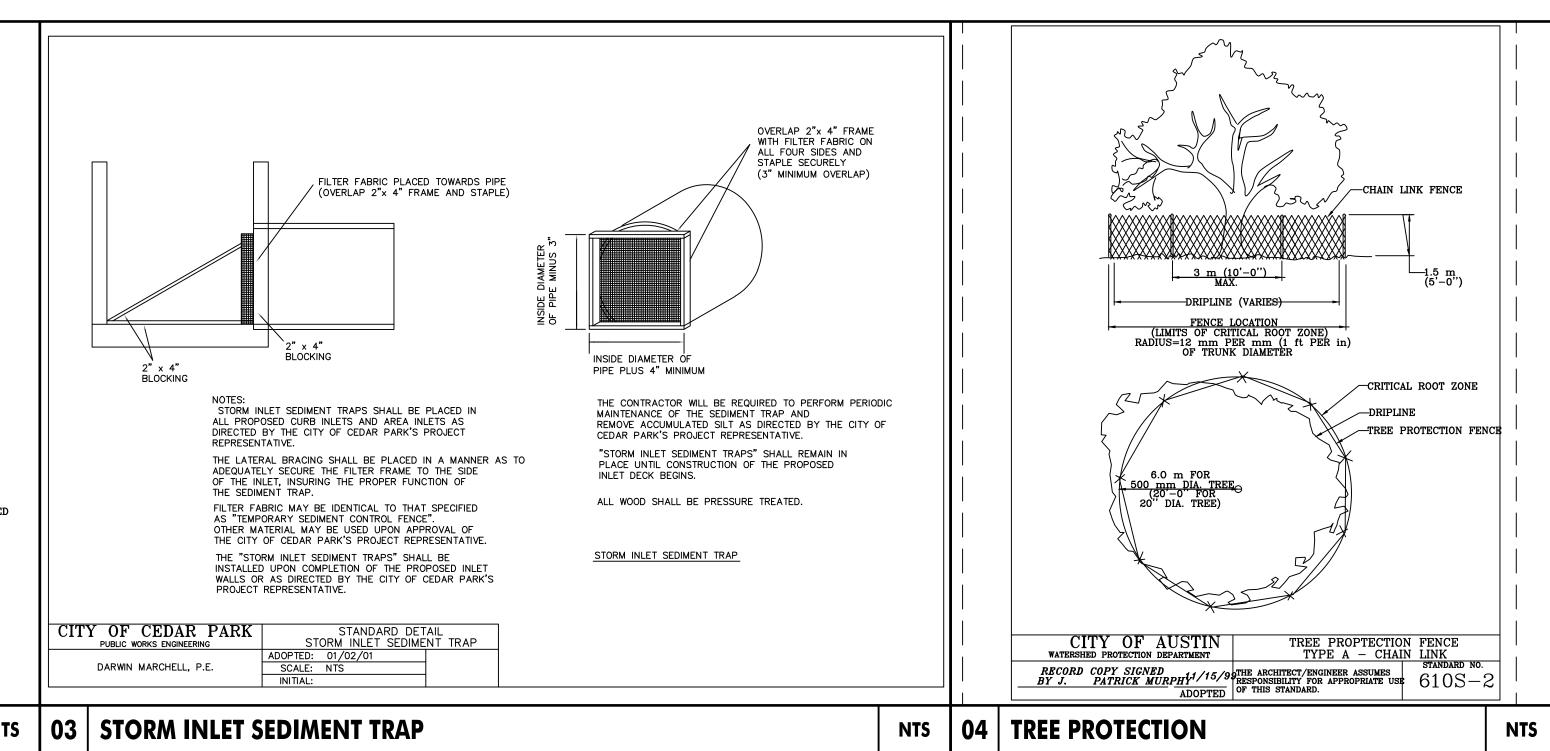


GRATE INLET

06

SECTION A-A

CONCRETE WASHOUT

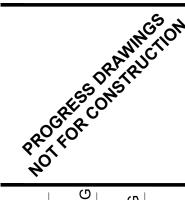


5

4

NTS





AND ASSOCIATES, P.A.

MECHANICAL ENGINEERS: HENDRIX CONSULENGINEERS

ELECTRICAL ENGINEERS: HENDRIX CONSULTENGINEERS



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TERRY R. HAGOOD

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DATE SIGNED: 11/14/2023
ISSUED FOR: AGENCY REVIEW

PHACFOCD ENGINEERING ASSOCIATES

900 E. Main Street
Round Rock, TX 78664
Phone (512) 244-1546
Fax (512) 244-1010
www.heaeng.com
TBPE Registration No. F-12709

Schaefer A III
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ESC & STORM DETAILS

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