HAGOOD
ENGINEERING ASSOCIATES
Registration No. F-12709

EDWARDS AQUIFER RECHARGE ZONE EXCEPTION REQUEST

FOR

CHASCO FAMILY YMCA

1812 N. IH 35
ROUND ROCK, TX 78664

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

SUBMITTED TO:
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
REGION 11 OFFICE
12100 PARK 35 CIRCLE, BLDG A.
AUSTIN, TEXAS 78753

JUNE 2023

HEA#22-034

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

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

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

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

Technical Review

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

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

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

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or 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: **Chasco Family YMCA**						**2. Regulated Entity No.: 102840725**			
3. Customer Name: **YMCA of Greater of Central Texas**						**4. Customer No.:**			
5. Project Type: **(Please circle/check one)**	New		Modification			Extension		Exception XX	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		Non-residential			**8. Site (acres):**		7.409	
9. Application Fee:	$500.00		**10. Permanent BMP(s):**			SED FIL			
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						
13. County:	WMSN		**14. Watershed:**			ONION BRANCH			

Application Distribution

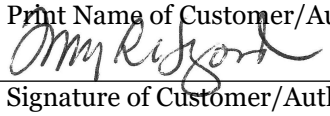
Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which 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)	___	___	___
Groundwater Conservation District(s)	___Edwards Aquifer Authority ___Barton Springs/ Edwards Aquifer ___Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda ___Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley ___Woodcreek	___Austin ___Bee Cave ___Pflugerville ___Rollingwood ___Round Rock ___Sunset Valley ___West Lake Hills	___Austin ___Cedar Park ___Florence ___Georgetown ___Jerrell ___Leander ___Liberty Hill ___Pflugerville _X_Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	___	___	___	___	___
Region (1 req.)	___	___	___	___	___
County(ies)	___	___	___	___	___
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___Trinity-Glen Rose	___Edwards Aquifer Authority	___Kinney	___EAA ___Medina	___EAA ___Uvalde
City(ies) Jurisdiction	___Castle Hills ___Fair Oaks Ranch ___Helotes ___Hill Country Village ___Hollywood Park ___San Antonio (SAWS) ___Shavano Park	___Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.	
TERRY R. HAGOOD Print Name of Customer/Authorized Agent	
 Signature of Customer/Authorized Agent	2023-06-26 Date

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

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: TERRY R. HAGOOD

Date: 2023-06-26

Signature of Customer/Agent:

Project Information

1. Regulated Entity Name: CHASCO FAMILY YMCA
2. County: WILLIAMSON
3. Stream Basin: ONION BRANCH
4. Groundwater Conservation District (If applicable): _____
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

   ☐ WPAP
   ☐ SCS
   ☐ Modification
   ☐ AST

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: TERRY R. HAGOOD

Date: 2023-06-26

Signature of Customer/Agent:

_____

Project Information

1. Regulated Entity Name: CHASCO FAMILY YMCA
2. County: WILLIAMSON
3. Stream Basin: ONION BRANCH
4. Groundwater Conservation District (If applicable): _____
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

   ☐ WPAP
   ☐ SCS
   ☐ Modification
   ☐ AST

☐ UST ☒ Exception Request

7. Customer (Applicant):

Contact Person: JEFF ANDRESON
Entity: CHASCO FAMILY YMCA Mailing
Address: 1812 N. MAYS STREET City, State:
ROUND ROCK, TX Zip: 78664
Telephone: 512.615.5555 FAX: _____
Email Address: RCARTON@YMCAGWC.ORG

8. Agent/Representative (If any):

Contact Person: TERRY HAGOOD
Entity: HAGOOD ENGINEERING ASSOCIATES, INC.
Mailing Address: 900 E. MAIN STREET
City, State: ROUND ROCK, TX Zip: 78664
Telephone: 512.244.1546 FAX: _____
Email Address: TERRYH@HEAENG.COM

9. Project Location:

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

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

1801 N. IH 35 ROUND ROCK, TX 78664

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

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

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

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

☒ Survey staking will be completed by this date: DONE

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

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

15. Existing project site conditions are noted below:

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

Prohibited Activities

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

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

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

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

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

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

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

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

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

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

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

Administrative Information

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

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

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

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

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

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

☒ Survey staking will be completed by this date: DONE

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

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

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    ☐ Existing residential site
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17. ☒ I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

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- ☐ 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.

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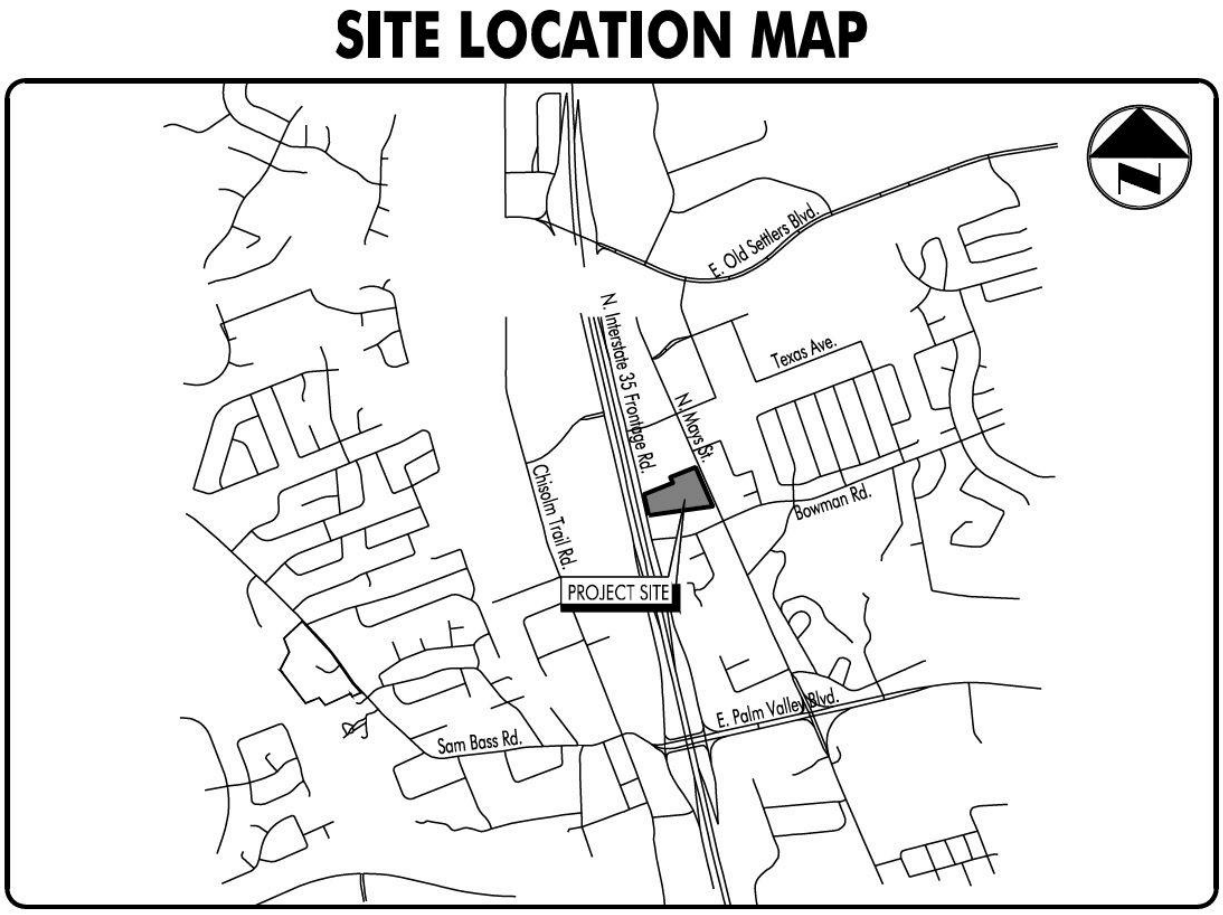
21. ☒ No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

GENERAL INFORMATION

Attachments to form TCEQ-0587

ATTACHMENT A - Road Map



ATTACHMENT B - USGS / Edwards Recharge Zone Map

See attached map

GENERAL INFORMATION

Attachments to form TCEQ-0587

ATTACHMENT C - Project Description

Please refer to the attached plans for site improvement layout. The site is located within the City of Round Rock's Corporate Limits. This site is also located with the Edwards Aquifer Recharge Zone.

This Recharge zone exception request is for construction of aquatic improvements, playscape, remote restroom building, equipment building addition, utilities, and parking modification improvements on Lot 1A of the YMCA of Greater Williamson County Round Rock Branch. Lot 1A being 6.252 acres.

Currently, the site has 2 buildings. This project will add a third building to serve as a restroom/dressing building for the new aquatic improvement. Building breakdown follows:

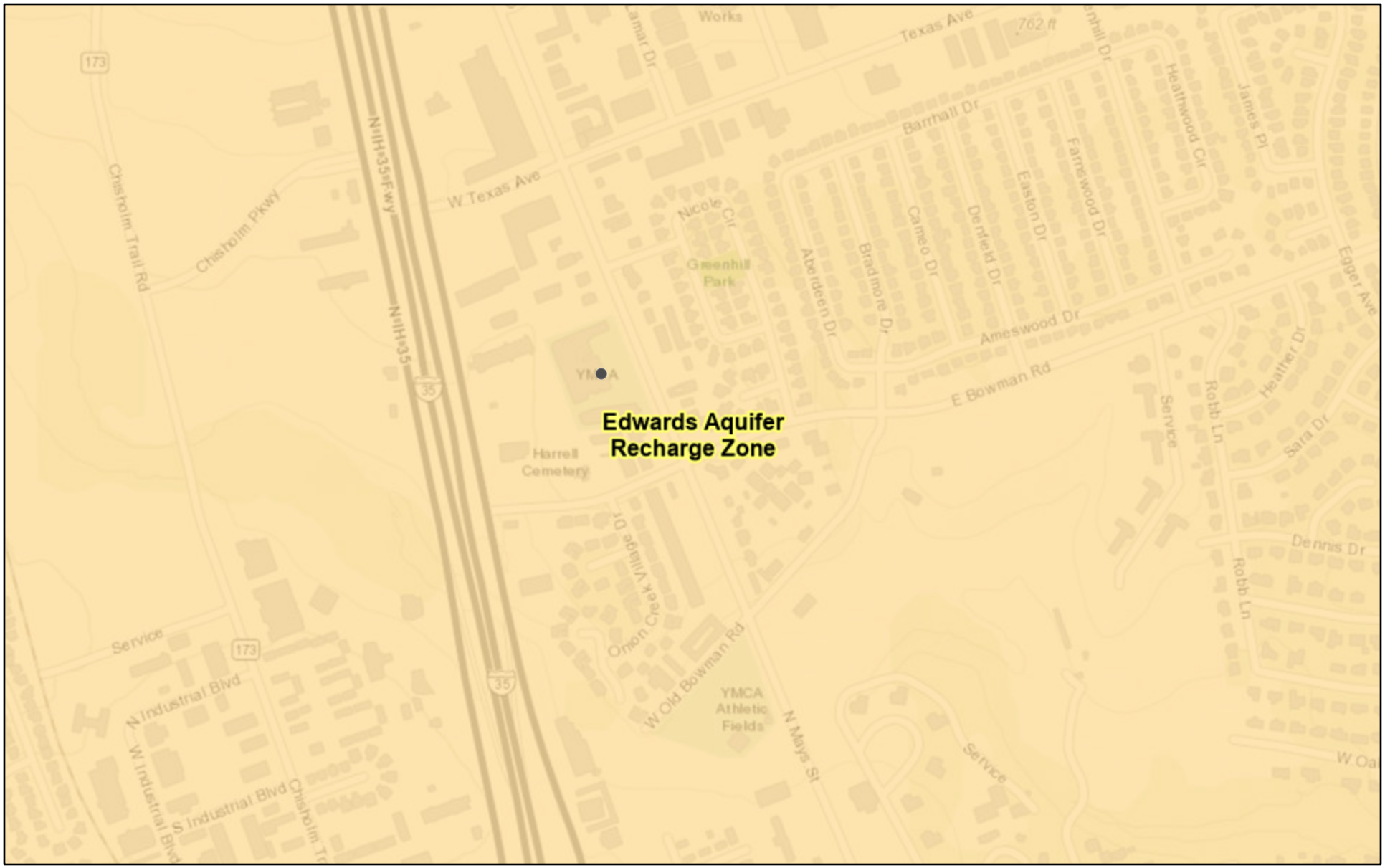
> Building 1 – Existing CHASCO Family Y (CFY) (63562 sf) with new equipment room addition (520 sf). Total = 64,082 sf.
>
> Building 2 – New restroom/dressing (667 sf)
>
> Building 3 – Existing Greater Williamson County YMCA Metro Offices (6,071 sf) and Child Care (13,034 sf). Total = 19,105 sf.

The western portion of the Site is parking with access to the IH35 north bound frontage road. The Eastern side of the Site has access to North Mays Street. The site drains predominately east to west at approximately 1%. A portion of the Site stormwater is conveyed by overland and piped flow to the west to an existing sedimentation/filtration water quality pond. This pond was initially designed, approved (EAPP ID No.11-95051205), and built with the Best Western Hotel development located just north of this tract. The sed/fil pond was sized to handle fully developed flows from the western portion of the YMCA tract. The eastern portion of the Site drains to the east and surface discharges to North Mays Street. This portion of the site was approved through an exemption request associated with the *"Rock Rock YMCA Site Improvements-Phase 2"* approved 11/1/2007. Please refer to sheets EDA and PDA for existing and developed drainage area maps.

The CHASCO Family YMCA Outdoor Aquatics development will be on the east side of the existing CHASCO Family Y building and will replace existing parking. In accordance with TCEQ policy the aquatic improvement is not counted as impervious cover. Total Site Impervious cover for the Project will be reduced by 10759 sf (0.247 acs). No modifications to the existing sedimentation/filtration basin are proposed. Please refer to sheet "Calcs" for the TCEQ calculation template for the project site. Impervious cover around the aquatic improvement will be sloped away from the improvement perimeter to provide for stormwater to drain away from the improvement not into it. Adjacent roof drainage will be collected and piped to the existing storm sewer system. Excess and backwash water from the aquatic improvement will be discharge to the public wastewater collection system.

The site is served by City of Round Rock water and wastewater. In order to accommodate the new buildings and aquatic improvements, removal and replacement of existing water, wastewater, and storm drainage infrastructure is required. Please refer to sheets C11, C20, C21, C30, and C31 for demolition and new work.

Edwards Aquifer Viewer Custom Print



6/27/2023, 12:03:46 PM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Edwards Aquifer Label

City/Place

TX Counties

7.5 Minute Quad Grid

TCEQ_EDWARDS_OFFICIAL_MAPS

Austin Community College, City of Austin, County of Williamson, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/

Web AppBuilder for ArcGIS

Austin Community College, City of Austin, County of Williamson, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA | TCEQ |

Recharge and Transition Zone Exception Request Form

Texas Commission on Environmental Quality
30 TAC §213.9 Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.
Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

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

Print Name of Customer/Agent: TERRY R HAGOOD
Date: 2023-06-26
Signature of Customer/Agent:

Regulated Entity Name: CHASCO FAMILY YMCA

Exception Request

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

Administrative Information

3. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
4. ☒ The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
5. ☒ The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

RECHARGE AND TRANSITION ZONE
EXCEPTION REQUEST FORM

Attachments to form TCEQ-0628

ATTACHMENT A

Two exceptions are requested:

- To provide a water pollution abatement plan. The basis for the exception is the site is currently served by a previously approved permanent sed/fil pond and there is a reduction of impervious cover of 10,759 sf.
- To provide a Geologic Assessment. The site has been fully developed with no sensitive features present on the project site

ATTACHMENT B

Equivalent water quality protection is proved due to the reduction in impervious cover resulting in a reduction in TSS loads.

Raquel Ramirez

From: Raquel Ramirez
Sent: Wednesday, June 7, 2023 3:15 PM
To: James Slone
Cc: Terry Hagood
Subject: RE: RR YMCA

Thanks!

From: James Slone <james.slone@tceq.texas.gov>
Sent: Wednesday, June 7, 2023 2:59 PM
To: Raquel Ramirez <RaquelR@HEAENG.com>
Subject: RE: RR YMCA

Hey Raquel!
You can submit as an Exception. (No I did not remember it; I had to look it over again) 😊
Please retain this email for your records.
Bo

James "Bo" Slone, P.G.
Geoscientist
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality
(512) 239-5711

From: Raquel Ramirez <RaquelR@HEAENG.com>
Sent: Wednesday, June 7, 2023 2:09 PM
To: James Slone <james.slone@tceq.texas.gov>
Subject: RR YMCA

Afternoon Bo

I need a refresher on the Chasco Round Rock YMCA improvements we discussed back in October. This is the project the Y is adding the splash pad to the east side of the property and removing some parking. I don't recall if you stated we could do this as an exception or if we had to do a MOD. Can you help???

Thanks
Raquel

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

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

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

Signature

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

Print Name of Customer/Agent: TERRY HAGOOD

Date: 2023-06-26

Signature of Customer/Agent:

Regulated Entity Name: CHASCO FAMILY YMCA

Project Information

Potential Sources of Contamination

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

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

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

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

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

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

☐ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.

☒ Fuels and hazardous substances will not be stored on the site.

2. ☒ **Attachment A - Spill Response Actions**. A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.

3. ☒ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.

4. ☒ **Attachment B - Potential Sources of Contamination**. A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

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

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

   ☒ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.

6. ☒ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: ONION BRANCH

Temporary Best Management Practices (TBMPs)

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

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

☒ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.

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

☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.

☒ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

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

☐ **Attachment E - Request to Temporarily Seal a Feature**. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.

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

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

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

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.

☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

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

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

☒ N/A

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

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

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

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

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

Soil Stabilization Practices

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

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

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

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

Administrative Information

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

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

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

TEMPORARY STORWATER SECTION

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 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, and 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

Potential Sources of Contamination:

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

ATTACHMENT C

Sequence of major activities for each phase is as follows:

1. The installation of Erosion/Sedimentation Controls –0.1 ac. Disturbed
2. Clearing, grubbing, and removal of topsoil from entire site – 1.5 ac. Disturbed
3. Rough grading and building pad excavation – 1.0 ac. Disturbed
4. Excavating for utilities – 0.3 ac. Disturbed
5. Finish grading and landscaping – 0.25 ac. Disturbed

ATTACHMENT D

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

1. A stabilized construction entrance.
2. Silt fencing along North Mays ROW boundary of site.
3. Grate Inlet protection to prevent existing inlet from getting clogged up by silt.
4. A concrete washout station.

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 disturbance, the filter dike, inlet protection, concrete washout area, staging area and stabilized construction entrance/exit will provide control to retain any runoff from the exposed site.

TEMPORARY STORWATER SECTION

Attachments to form TCEQ-0602

ATTACHMENT G

Refer to the drawings, sheet EDA and PDA.

ATTACHMENT H

The total site area is 7.41 acres with a disturbed area of 1.5 acres and will not require a temporary sediment pond.

ATTACHMENT I

The contractor is required to inspect all of the erosion and sediment controls, fences, inlet protection, stabilized construction entrance and concrete washout at weekly intervals and after significant rainfall events to insure that they are functioning properly. The person(s) responsible for maintenance of controls and fences shall immediately make any necessary repairs to damaged areas. Silt accumulation at controls must be removed when the depth reaches six (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.

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 HAGOOD

Date: 2023-06-26

Signature of Customer/Agent

Regulated Entity Name: CHASCO FAMILY YMCA

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 prepared or accepted by the executive director.

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

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

☒ N/A

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

   ☒ N/A

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

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

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

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

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

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

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

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

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

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

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

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

☒ N/A

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

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

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

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

☒ Design calculations (TSS removal calculations)

☒ TCEQ construction notes

☐ All geologic features

☐ All proposed structural BMP(s) plans and specifications

☐ N/A

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

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

    ☒ N/A

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

    ☒ N/A

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

    ☒ N/A

Responsibility for Maintenance of Permanent BMP(s)

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

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

    ☐ N/A

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

    ☒ N/A

PERMANENT STORMWATER SECTION

Attachments to form TCEQ-0600

ATTACHMENT A

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

ATTACHMENT B

There is no stormwater that originates upgradient from the site.

ATTACHMENT C

One existing sedimentation/filtration pond will be used to prevent pollution of surface water or ground water originating on-site.

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 piped to the downstream onion branch creek.

ATTACHMENT E

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

ATTACHMENT F

See attached drawings. (Construction Plans)

ATTACHMENT G

See attached maintenance plan for the ponds. (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 proposed BMPs. There will be no increase in the flows as demonstrated in the calculations in the plan sheets.

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

I JEFF ANDRESEN,
Print Name

PRESIDENT,
Title - Owner/President/Other

of ~~YMCA OF GREATER WILLIAMSON COUNTY~~ YMCA OF GREATER 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.

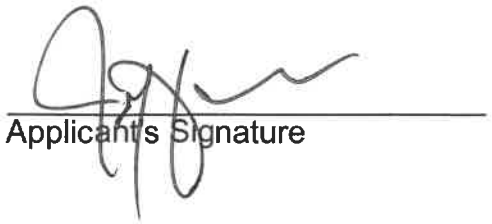
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

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:



Applicant's Signature

5-30-23

Date

THE STATE OF Texas §

County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Jeff Andresen known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 30th day of May, ____.

Ariel White

NOTARY PUBLIC

Ariel White

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 05/12/2026

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: CHASCO FAMILY YMCA
Regulated Entity Location: 1812 N. MAYS ROUND ROCK, TX 78664
Name of Customer: GREATER YMCA OF CENTRAL TEXAS
Contact Person: JEFF ANDRESEN Phone: 512
Customer Reference Number (if issued):CN 601387905
Regulated Entity Reference Number (if issued):RN 102840725

Austin Regional Office (3373)

☐ Hays ☒ Williamson
☐ Travis

San Antonio Regional Office (3362)

☐ Bexar ☐ Medina ☐ Uvalde
☐ Comal ☐ Kinney

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

☒ Austin Regional Office ☐ San Antonio Regional Office

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

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

Site Location (Check All That Apply):

☒ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	$
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	1 Each	$ 500.00

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

Signature: _____ Date: _____

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	***Fee***
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Attachments **Describe Any Attachments:** *(ex. Title V Application, Waste Transporter Application, etc.)*

☒ Yes ☐ No — EXCEPTION

3. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	4. Regulated Entity Reference Number *(if issued)*
CN 601387905		RN 102840725

SECTION II: Customer Information

5. Effective Date for Customer Information Updates (mm/dd/yyyy) 6/13/2019

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

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other: _____

7. General Customer Information

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State) ☒ No Change**

If "No Change" and Section I is complete, skip to Section III – Regulated Entity Information.

8. Type of Customer:			
☐ Corporation	☐ Individual	☐ Sole Proprietorship- D.B.A	
☐ City Government	☐ County Government	☐ Federal Government	☐ State Government
☐ Other Government	☐ General Partnership	☐ Limited Partnership	☒ Other: Non profit

9. Customer Legal Name *(If an individual, print last name first: ex: Doe, John)*	*If new Customer, enter previous Customer below*	*End Date:*
YMCA OF GREATER CENTRAL TEXAS		

10. Mailing Address:							
	1812 N. MAYS STREET						
	City	ROUND ROCK	State	TX	ZIP	78664	ZIP + 4

11. Country Mailing Information *(if outside USA)*	12. E-Mail Address *(if applicable)*

13. Telephone Number	14. Extension or Code	15. Fax Number *(if applicable)*
(512) 615-5555		( ) -

16. Federal Tax ID *(9 digits)*	17. TX State Franchise Tax ID *(11 digits)*	18. DUNS Number *(if applicable)*	19. TX SOS Filing Number *(if applicable)*
56638201			

20. Number of Employees

☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

21. Independently Owned and Operated?

☐ Yes ☒ No

SECTION III: Regulated Entity Information

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

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information ☒ No Change** *(See below)*

If "NO CHANGE" is checked and Section I is complete, skip to Section IV, Preparer Information.

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

CHASCO FAMILY YMCA

24. Street Address of the Regulated Entity: *(No P.O. Boxes)*								
	City		**State**		**ZIP**		**ZIP + 4**	
25. Mailing Address:								
	City		**State**		**ZIP**		**ZIP + 4**	
26. E-Mail Address:								

27. Telephone Number	**28. Extension or Code**	**29. Fax Number** *(if applicable)*
( ) -		( ) -

30. Primary SIC Code (4 digits)	**31. Secondary SIC Code** (4 digits)	**32. Primary NAICS Code** (5 or 6 digits)	**33. Secondary NAICS Code** (5 or 6 digits)

34. What is the Primary Business of this entity? *(Please do not repeat the SIC or NAICS description.)*

Questions 34 – 37 address geographic location. Please refer to the instructions for applicability.

35. Description to Physical Location:	

36. Nearest City	**County**	**State**	**Nearest ZIP Code**

37. Latitude (N) In Decimal:			**38. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form or the updates may not be made. If your Program is not listed, check other and write it in. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Industrial Hazardous Waste	☐ Municipal Solid Waste
		07072702		
☐ New Source Review – Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS	☐ Sludge
☐ Stormwater	☐ Title V – Air	☐ Tires	☐ Used Oil	☐ Utilities
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	RAQUEL SAENZ	**41. Title:**	PROJECT ASSISTANT

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512) 224-1546		( ) -	RAQUELR@HEAENG.COM

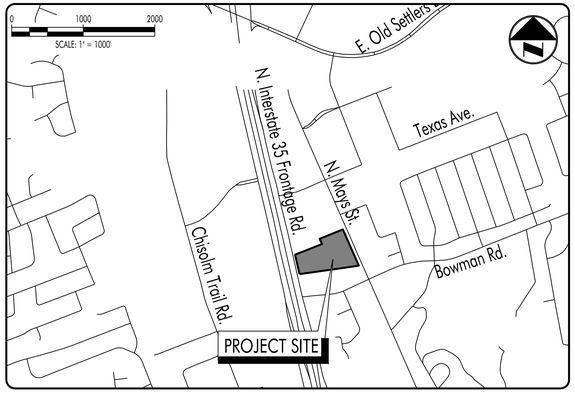
SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 9 and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	HAGOOD ENGINEERING	**Job Title:**	PROJECT MANAGER
Name *(In Print)* :	TERRY HAGOOD	**Phone:**	(512) 244-1546
Signature:		**Date:**	

SITE LOCATION MAP



BENCHMARKS

TBM #1 - MAG NAIL.
ELEV = 750.03'
PLANE COORDINATE SYSTEM = TEXAS COORDINATE SYSTEM CENTRAL ZONE, NAD 83
VERTICAL DATUM - NAVD88 (GEOID 18)

LEGAL DESCRIPTION

LOT 1A, BLOCK A, YMCA OF GREATER WILLIAMSON COUNTY ROUND ROCK BRANCH
DOC # 2007079067 WCPR

PLAN SUBMITTALS

NO.	DATE	COMMENTS
1	2023-03-15	50% PROGRESS SET TO OWNER
2	2023-05-23	ISSUED FOR BID
3	2023-06-23	ISSUED FOR PERMIT
4		
5		
6		
7		
8		
9		
10		

NOTES:

1. A PORTION OF THE ABOVE LEGALLY DESCRIBED PROPERTY IS WITHIN THE DESIGNATED .2% ANNUAL CHANCE FLOODPLAIN AREA AS DESIGNATED BY F.E.M.A. FLOOD INSURANCE RATE MAP (FIRM) ON COMMUNITY PANEL NO. 48491C0489F, DATED DECEMBER 19, 2019 FOR THE CITY OF ROUND ROCK, WILLIAMSON COUNTY, TEXAS.
2. THIS PROPERTY IS WITHIN THE EDWARDS AQUIFER RECHARGE ZONE.
3. SEE SHEET C00 FOR GENERAL NOTES.
4. A PORTION OF THIS TRACT IS ENCROACHED BY THE ULTIMATE 1% ANNUAL CHANCE FLOODPLAIN.

SITE DEVELOPMENT IMPROVEMENTS
SUBMITTED FOR
CHASCO FAMILY YMCA OUTDOOR AQUATICS
1801 N. INTERSTATE HIGHWAY 35
ROUND ROCK, TEXAS 78665

Sheet List Table

SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION
01	CVR	COVER
02	PLAT	PLAT
03	PLAT	PLAT
04	SRV	SURVEY
05	SP	SITE PLAN
06	FIRE	FIRE
07	EDA	EXISTING DRAINAGE AREAS
08	PDA	DEVELOPED DRAINAGE AREAS
09	CALCS	DRAINAGE CALCULATIONS
10	C00	GENERAL NOTES
11	C10	EROSION SEDIMENTATION CONTROLS
12	C11	DEMOLITION PLAN
13	C20	UTILITY PLAN
14	C21	UTILITY PLAN
15	C22	WATER PROFILES
16	C23	WASTEWATER PROFILES
17	C30	DRAINAGE PLAN
18	C31	DRAINAGE PLAN
19	C32	DRAINAGE AND WASTEWATER PROFILES
20	C40	GRADING PLAN
21	C41	GRADING PLAN
22	C50	DIMENSION CONTROL PLAN
23	C51	DIMENSION CONTROL PLAN
24	C60	PAVING AND STRIPING PLAN
25	C61	PAVING AND STRIPING PLAN
26	C70	CONSTRUCTION DETAILS
27	C71	EROSION SEDIMENTATION CONTROL DETAILS
28	C72	UTILITY DETAILS

OWNER
YMCA OF GREATER WILLIAMSON COUNTY
1812 NORTH MAYS STREET
ROUND ROCK, TEXAS 78664
RICH CARLTON

ARCHITECT
SCHAEFER ARCHITECTURE
257 N BROADWAY
WICHITA, KANSAS 67202
MATT HAMM

SURVEYOR
JPH LAND SURVEYING INC
1516 E. PALM VALLEY BLVD
ROUND ROCK, TEXAS 78664
CHRIS HENDERSON, RPLS

ENGINEER
HAGOOD ENGINEERING ASSOCIATES, INC.
900 E. MAIN STREET
ROUND ROCK, TEXAS 78664
TERRY R. HAGOOD, P.E.

LANDSCAPE ARCHITECT
STUDIO 16:19
305 W LIBERTY, SUITE 100
ROUND ROCK, TEXAS 78664
JONATHAN WAGNER

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN ACCEPTING THESE PLANS, THE CITY OF ROUND ROCK MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS ★
COUNTY OF WILLIAMSON ★

I, 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 ROUND ROCK, TEXAS.

STATE OF TEXAS
TERRY R. HAGOOD
52960
REGISTERED
PROFESSIONAL ENGINEER

6/23/2023

ACCEPTED FOR CONSTRUCTION BY:

Planning and Development Services
City of Round Rock, Texas — Date

SITE PLAN PERMIT NO.	
RECORDED FINAL PLAT DOC. NO.	CABINET DD, SLIDE 323, DOC #2007079067
SCS CASE NUMBER & DATE	N/A
WPAP # & DATE	N/A
WPAP EXCEPTION # & DATE	PENDING

IMPERVIOUS COVER	
STREET, CURB AND GUTTER	N/A
EX. BUILDING FOOTPRINT	75939.08
NEW BUILDING FOOTPRINT	1187
EX. PARKING, PRIVATE SIDEWALK	180677.7
NEW PARKING, PRIVATE SIDEWALK	176517.8
EX. TOTAL	258680.2
NEW TOTAL	253643.9
TOTAL AREA OF DISTURBANCE (LOC)	61,053.91 SF

REVISIONS

NO.	DATE	DESCRIPTION	APPROVED BY
1			
2			
3			
4			
5			

Texas 811 Know what's below. Call before you dig.

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

JOB NO. 22-034 © 2023 HEA, Inc.

HAGOOD ENGINEERING ASSOCIATES

JOB NO:	22-034
DRAWN BY:	TA
CHECKED BY:	TRH
P.I.C.:	TRH
FILE NO:	22-034 CVR
DATE:	6/23/2023
SHEET:	01 OF 27

Z:\HEA\HEA Projects\Projects 22-000\22-034 Chasco YMCA Campus Improvements\CAD Files\Civil\SD\22-034 CVR.dwg, 6/26/2023 2:30:12 PM, TerryH

CABINET DD SLIDE 323 Doc.# 2007079067

YMCA OF GREATER WILLIAMSON COUNTY ROUND ROCK BRANCH:

A FINAL PLAT OF 3.209 ACRES AND A REPLAT OF LOT 2 SWEETBRIAR II ADDITION AND CLEARWATER SUBDIVISION

OWNER: YMCA OF GREATER WILLIAMSON COUNTY
P.O. BOX 819
ROUND ROCK, TEXAS 78680

ACREAGE: 7.409 ACRES

SURVEY: DAVID CURRY SURVEY, ABSTRACT NO. 130

NUMBER OF BLOCKS: 1

NUMBER OF LOTS: 2

ZONING: ALL LOTS - C-1 (GENERAL COMMERCIAL)

LINEAR FEET OF NEW STREETS: NONE

DATE: PLANNING & ZONING, AUGUST 15, 2007

DATE: SUBMITTAL, JULY 18, 2007

SURVEYOR: BAKER - AICKLEN & ASSOC., INC.
405 BRUSHY CREEK ROAD
CEDAR PARK, TEXAS 78613
(512) 260-3700

ENGINEER: BAKER - AICKLEN & ASSOC., INC.
507 W. LIBERTY AVENUE
ROUND ROCK, TEXAS 78664
(512) 244-9620

BENCHMARK: TBM 1 ELEVATION 742.77 - SQUARE CUT IN TOP OF THE RETAINING WALL WEST SIDE OF WATER QUALITY POND APPROXIMATELY 2.5' SOUTH OF THE NORTHWEST CORNER.

TBM 2 ELEVATION 745.21 - SQUARE CUT IN THE TOP OF CURB AT THE CENTER OF THE WEST BULLNOSE OF THE NORTHWEST PARKING ISLAND APPROXIMATELY 133' FROM THE NORTHEAST CORNER OF PARKING LOT.

VERTICAL DATUM: NAVD 88(GEOID99) BASED CITY OF ROUND ROCK CONTROL POINT 01-013

NOTES:

1) BUILDING SETBACKS SHALL BE IN ACCORDANCE WITH CHAPTER 11, ZONING, CITY OF ROUND ROCK CODE OF ORDINANCES (1995 EDITION).

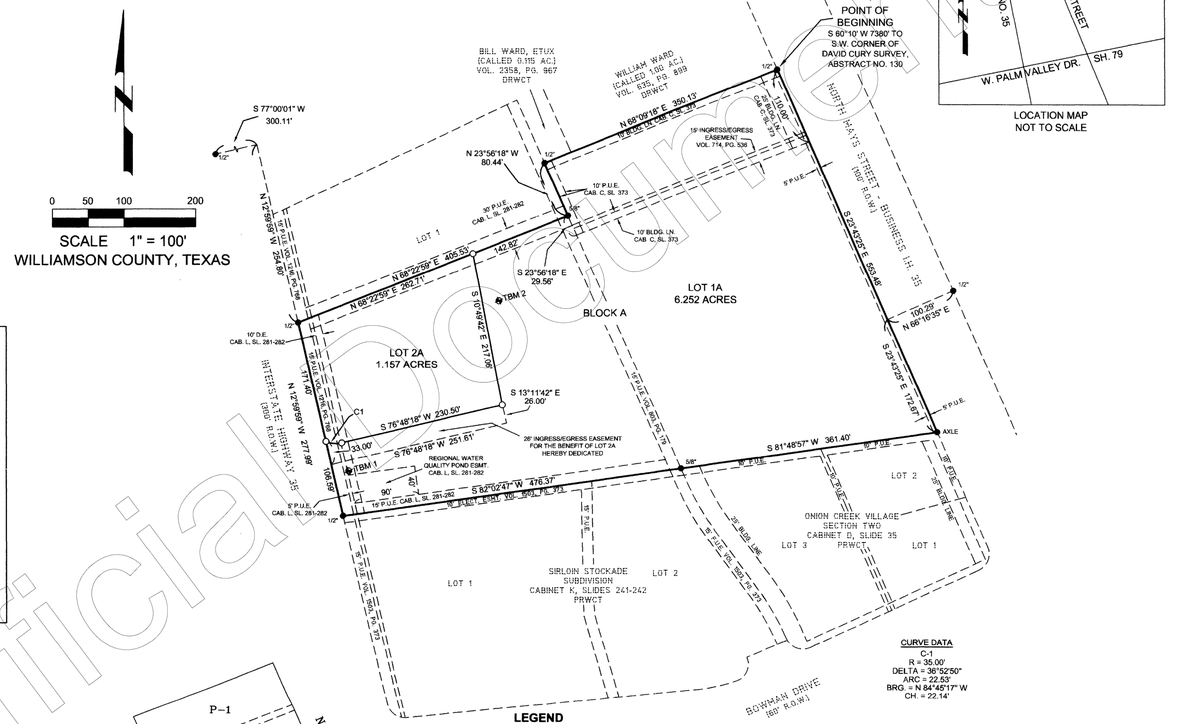
2) BASIS OF BEARINGS IS GRID NORTH FOR THE TEXAS STATE PLANE COORDINATE SYSTEM (4203) NAD '83 (HARN '93)

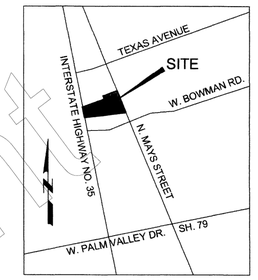
3) NO PORTION OF THIS TRACT IS ENCROACHED BY ANY SPECIAL FLOOD HAZARD AREAS INUNDATED BY THE 100 YEAR FLOOD AS IDENTIFIED BY THE U.S. FEDERAL EMERGENCY MANAGEMENT AGENCY BOUNDARY MAP (FLOOD INSURANCE RATE MAP) COMMUNITY PANEL NUMBER 48491C 0330 D, EFFECTIVE DATE JANUARY 3, 1997, FOR WILLIAMSON COUNTY, TEXAS. NO PORTION OF THIS TRACT IS ENCROACHED BY THE ULTIMATE 100 YR FLOODPLAIN.

4) NO OBSTRUCTIONS, INCLUDING BUT NOT LIMITED TO FENCES, STRUCTURES, STORAGE, OR FILL, SHALL BE PLACED WITHIN THE LIMITS OF ANY DRAINAGE EASEMENT SHOWN HEREON.

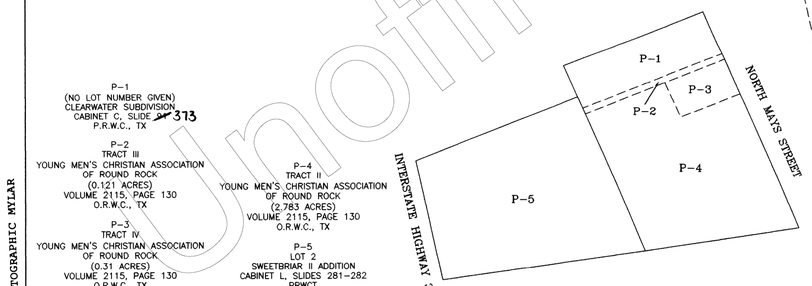
5) LOT 2A WILL TAKE ACCESS THROUGH THE INGRESS/EGRESS EASEMENT DEDICATED HEREIN. NO DIRECT DRIVEWAY ACCESS TO I.H. 35 FROM LOT 2A IS ALLOWED.

6) A 5' P.U.E. ALONG NORTH MAYS STREET IS HEREBY DEDICATED.





LOCATION MAP
NOT TO SCALE



P-1
(NO LOT NUMBER GIVEN)
CLEARWATER SUBDIVISION
CABINET C, SLIDE 373
P.R.W.C., TX

P-2
TRACT III
YOUNG MEN'S CHRISTIAN ASSOCIATION OF ROUND ROCK
(0.121 ACRES)
VOLUME 2115, PAGE 130
O.R.W.C., TX

P-3
TRACT IV
YOUNG MEN'S CHRISTIAN ASSOCIATION OF ROUND ROCK
(0.31 ACRES)
VOLUME 2115, PAGE 130
O.R.W.C., TX

P-4
TRACT II
YOUNG MEN'S CHRISTIAN ASSOCIATION OF ROUND ROCK
(2.783 ACRES)
VOLUME 2115, PAGE 130
O.R.W.C., TX

P-5
LOT 2
SWEETBRIAR II ADDITION
CABINET L, SLIDES 281-282
PRWCT

LEGEND

AXLE ●	AXLE FOUND
●	1/2" IRON ROD FOUND
○	1/2" IRON ROD SET WITH "BAKER-AICKLEN" CAP
P.U.E.	PUBLIC UTILITY EASEMENT
PRWCT	PLAT RECORDS WILLIAMSON COUNTY
DRWCT	DEED RECORDS WILLIAMSON COUNTY
R.O.W.	RIGHT-OF-WAY
D.E.	DRAINAGE

PHOTOGRAPHIC MYLAR

1 OF 2

PROJECT NO. 0129-2-010-00

BAKER-AICKLEN & ASSOCIATES, INC.
Engineers • Surveyors • GIS • Planning
405 BRUSHY CREEK RD.
CEDAR PARK, TX 78613
512.260.3700

Unofficial Document

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

PLAT

PLAT

02

....

Z:\HEA\HEA Projects\Projects 22-00\22-034 Chasco YMCA Campus Improvements\CAD Files\Civil\SD\plat.dwg, 6/25/2023 2:27:09 PM, TerryH

CABINET DD

SLIDE 324

YMCA OF GREATER WILLIAMSON COUNTY ROUND ROCK BRANCH:

A FINAL PLAT OF 3.209 ACRES AND A REPLAT OF LOT 2 SWEETBRIAR II ADDITION AND CLEARWATER SUBDIVISION

THE STATE OF TEXAS)
COUNTY OF WILLIAMSON)

THAT THE YMCA OF GREATER WILLIAMSON COUNTY, ACTING BY AND THROUGH JEFF ANDRESEN, ITS PRESIDENT AND CHIEF EXECUTIVE OFFICER, AS OWNER OF THE CERTAIN 7.409-ACRE TRACT OF LAND SITUATED IN THE DAVID CURRY SURVEY, ABSTRACT NO. 130, IN WILLIAMSON COUNTY, TEXAS, BEING ALL OF THAT CALLED 4.097-ACRE TRACT OF LAND IN DEED TO YOUNG MEN'S CHRISTIAN ASSOCIATION OF ROUND ROCK OF RECORD IN VOLUME 2115, PAGE 130 OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 4.097-ACRE TRACT BEING COMPRISED OF FOUR (4) TRACTS: TRACT I, A CALLED 0.883-ACRE TRACT, BEING ALL OF THAT CERTAIN CLEARWATER, A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET C, SLIDE 373 OF THE PLAT RECORDS OF SAID COUNTY, TRACT II, A CALLED 2.783-ACRE TRACT, TRACT III, A CALLED 0.121-ACRE TRACT AND TRACT IV, A CALLED 0.31-ACRE TRACT. AND ALSO BEING ALL OF LOT 2 (3.317 ACRES), SWEETBRIAR II ADDITION, A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET L, SLIDES 281-282 OF SAID PLAT RECORDS, DO HEREBY DEDICATE TO THE PUBLIC FOREVER USE OF THE STREETS, ALLEYS, EASEMENTS AND ALL OTHER LANDS INTENDED FOR PUBLIC DEDICATION AS SHOWN HEREON TO BE KNOWN AS:
→AND CONVEYED BY DEED UNDER DOCUMENT No. 2007071604
YMCA OF GREATER WILLIAMSON COUNTY ROUND ROCK BRANCH:
A FINAL PLAT OF 3.209 ACRES AND A REPLAT OF LOT 2 SWEETBRIAR II ADDITION AND CLEARWATER SUBDIVISION

JEFF ANDRESEN, YMCA OF GREATER WILLIAMSON COUNTY, PRESIDENT / CEO
1812 N. MAYS ST.
ROUND ROCK, TEXAS 78664

THE STATE OF TEXAS)
COUNTY OFWILLIAMSON)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THE 01 DAY OF August, 2007, BY JEFF ANDRESEN, PRESIDENT / CEO YMCA OF GREATER WILLIAMSON COUNTY.

NOTARY PUBLIC, STATE OF TEXAS
PRINTED NAME Sherry Johnson
MY COMMISSION EXPIRES: 03-20-11

SHERRY JOHNSON
Notary Public, State of Texas
My Commission Expires 03-20-11

THE STATE OF TEXAS)
COUNTY OF WILLIAMSON)

THAT JP MORGAN CHASE, THE LIEN HOLDER OF THE CERTAIN 3.317-ACRE TRACT OF LAND SITUATED IN THE DAVID CURRY SURVEY, ABSTRACT NO. 130, IN WILLIAMSON COUNTY, TEXAS, BEING ALL OF LOT 2, SWEETBRIAR II ADDITION, A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET L, SLIDES 281-282 OF SAID PLAT RECORDS. AND DO FURTHER HEREBY JOIN, APPROVE, AND CONSENT TO THE DEDICATION TO THE PUBLIC FOREVER USE OF THE STREETS, ALLEYS, EASEMENTS AND ALL OTHER LANDS INTENDED FOR PUBLIC DEDICATION AS SHOWN HEREON.

BY: KI ALLEN, VICE PRESIDENT-AUSTIN REGION
JP MORGAN CHASE
221 W. SIXTH STREET – FLOOR 2
AUSTIN, TEXAS 78701-3400

THE STATE OF TEXAS)
COUNTY OF WILLIAMSON)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THE 2 DAY OF August, 2007, BY KI ALLEN, VICE PRESIDENT-AUSTIN REGION, JP MORGAN CHASE.

NOTARY PUBLIC, STATE OF TEXAS
PRINTED NAME Cynthia C. Alvarado
MY COMMISSION EXPIRES: 4-21-2009

CYNTHIA C. ALVARADO
Notary Public
STATE OF TEXAS
My Comm. Exp. 04-21-2009

PHOTOGRAPHIC MYLAR

DESCRIPTION

FOR A 7.409-ACRE TRACT OF LAND SITUATED IN THE DAVID CURRY SURVEY, ABSTRACT NO. 130, IN WILLIAMSON COUNTY, TEXAS, BEING ALL OF THAT CALLED 4.097-ACRE TRACT OF LAND IN DEED TO YOUNG MEN'S CHRISTIAN ASSOCIATION OF ROUND ROCK OF RECORD IN VOLUME 2115, PAGE 130 OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 4.097-ACRE TRACT BEING COMPRISED OF FOUR (4) TRACTS: TRACT I, A CALLED 0.883-ACRE TRACT, BEING ALL OF THAT CERTAIN CLEARWATER, A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET C, SLIDE 373 OF THE PLAT RECORDS OF SAID COUNTY, TRACT II, A CALLED 2.783-ACRE TRACT, TRACT III, A CALLED 0.121-ACRE TRACT AND TRACT IV, A CALLED 0.31-ACRE TRACT, SAID 7.409-ACRE TRACT AND ALSO BEING ALL OF LOT 2, SWEETBRIAR II ADDITION, A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET L, SLIDES 281-282 OF SAID PLAT RECORDS, IS MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A 1/2" IRON ROD FOUND ON A POINT IN THE WEST RIGHT-OF-WAY LINE OF NORTH MAYS STREET (100'RIGHT-OF-WAY WIDTH), SAID POINT BEING THE NORTHEAST CORNER OF SAID TRACT I ("CLEARWATER" SUBDIVISION), SAME BEING THE NORTHEAST CORNER OF SAID 4.097-ACRE TRACT, FOR THE NORTHEAST CORNER AND THE POINT OF BEGINNING HEREOF;

THENCE WITH THE WEST RIGHT-OF-WAY LINE OF SAID NORTH MAYS STREET, SAME BEING THE EAST BOUNDARY LINES, IN ORDER, OF SAID TRACT I, TRACT III, TRACT IV AND TRACT II, WHICH CONSTITUTE, IN TOTAL, THE EAST BOUNDARY LINE OF SAID 4.097-ACRE TRACT, S 23°43'25" E FOR A DISTANCE OF 553.48 FEET TO AN IRON AXLE FOUND ON A POINT BEING THE NORTHEAST CORNER OF LOT 2, "ONION CREEK VILLAGE, SECTION TWO", A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET D, SLIDE 35 OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS, SAME BEING THE SOUTHEAST CORNER OF SAID 4.097-ACRE TRACT, FOR THE SOUTHEAST CORNER HEREOF;

THENCE DEPARTING THE WEST RIGHT-OF-WAY LINE OF SAID NORTH MAYS STREET WITH THE NORTH BOUNDARY LINE OF SAID "ONION CREEK VILLAGE, SECTION TWO", S 81°48'57" W FOR A DISTANCE OF 361.40 FEET TO A 5/8" IRON ROD FOUND ON A POINT BEING THE NORTHWEST CORNER OF LOT 3 SAID "ONION CREEK VILLAGE, SECTION TWO", SAME BEING THE SOUTHEAST CORNER OF LOT 2, "SWEETBRIAR II ADDITION", A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET L, SLIDE 281 OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS, ALSO BEING THE NORTHEAST CORNER OF LOT 2, "SIRLOIN STOCKADE SUBDIVISION", A SUBDIVISION ACCORDING TO THE PLAT OF RECORD IN CABINET K, SLIDES 241-242 OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS, SAME BEING THE SOUTHWEST CORNER OF SAID 4.097-ACRE TRACT, FOR THE SOUTHWEST CORNER HEREOF;

THENCE WITH THE SOUTH BOUNDARY LINE OF SAID LOT, SAME BEING THE NORTH BOUNDARY LINE OF SAID SIRLOIN STOCKADE SUBDIVISION, S 82°02'47" W FOR A DISTANCE OF 476.37 FEET TO A 1/2" IRON ROD FOUND ON A POINT IN THE EAST RIGHT-OF-WAY LINE OF INTERSTATE HIGHWAY NO. 35 (300' RIGHT-OF-WAY WIDTH), SAID POINT BEING THE NORTHWEST CORNER OF SAID SIRLOIN STOCKADE SUBDIVISION, SAME BEING THE SOUTHWEST CORNER OF SAID LOT 2 FOR THE SOUTHWEST CORNER HEREOF;

THENCE WITH THE EAST RIGHT-OF-WAY LINE OF SAID INTERSTATE HIGHWAY NO. 35, SAME BEING THE WEST BOUNDARY LINE OF SAID LOT 2, N 12°59'59" W FOR A DISTANCE OF 277.99 FEET TO A 1/2" IRON ROD FOUND AT THE SOUTHWEST CORNER OF LOT 1, SAID SWEETBRIAR II ADDITION, SAME BEING THE NORTHWEST CORNER OF SAID LOT 2 FOR THE NORTHWEST CORNER HEREOF;

THENCE DEPARTING THE EAST RIGHT-OF-WAY LINE OF SAID INTERSTATE HIGHWAY NO. 35 WITH THE COMMON BOUNDARY LINE BETWEEN SAID LOT 1 AND SAID LOT 2
, N 68°22'59" E FOR A DISTANCE OF 405.53 FEET TO A 5/8" IRON ROD FOUND ON A POINT IN THE WEST BOUNDARY LINE OF SAID CLEARWATER, SAID POINT BEING THE SOUTHEAST CORNER OF SAID LOT 1, SAME BEING THE NORTHEAST CORNER OF SAID LOT 2 FOR AN ANGLE POINT IN THE NORTH BOUNDARY LINE HEREOF;

THENCE WITH THE WEST BOUNDARY LINE OF SAID CLEARWATER, SAME BEING THE EAST BOUNDARY LINE OF SAID LOT 1, N 23°56'18" W FOR A DISTANCE OF 80.44 FEET TO A 1/2" IRON ROD FOUND AT THE NORTHWEST CORNER OF SAID CLEARWATER FOR THE NORTHWEST CORNER HEREOF;

THENCE WITH THE NORTH BOUNDARY LINE OF SAID CLEARWATER, N 68°09'18" E FOR A DISTANCE OF 350.13 FEET TO THE POINT OF BEGINNING HEREOF AND CONTAINING 7.409 ACRES OF LAND.

THE STATE OF TEXAS)
COUNTY OF WILLIAMSON)

THAT I, A. WILLIAM WAELTZ, CERTIFY THAT THE INFORMATION CONTAINED ON THIS PLAT COMPLIES WITH CHAPTER 8, SUBDIVISIONS, CITY OF ROUND ROCK CODE OF ORDINANCES (1995 EDITION), AND THE DESIGN AND CONSTRUCTION STANDARDS ADOPTED BY THE CITY OF ROUND ROCK, TEXAS.

A. WILLIAM WAELTZ, LICENSED PROFESSIONAL ENGINEER NO. 68220 — DATE 8-1-07

STATE OF TEXAS
A. WILLIAM WAELTZ
68220
LICENSED
PROFESSIONAL ENGINEER

THE STATE OF TEXAS)
COUNTY OF WILLIAMSON)

THAT I, PARKER J. GRAHAM, DO HEREBY CERTIFY THAT I PREPARED THIS PLAT FROM AN ACTUAL AND ACCURATE ON-THE-GROUND SURVEY OF THE LAND AND THAT THE CORNER MONUMENTS SHOWN THEREON WERE PROPERLY PLACED UNDER MY PERSONAL SUPERVISION, IN ACCORDANCE WITH CHAPTER 8, SUBDIVISIONS, CITY OF ROUND ROCK CODE OF ORDINANCES (1995 EDITION).

PARKER J. GRAHAM, REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5556 — DATE 08/01/2007

STATE OF TEXAS
REGISTERED
PARKER GRAHAM
5556
PROFESSIONAL
LAND SURVEYOR

THE STATE OF TEXAS)
COUNTY OF WILLIAMSON)

I, NANCY RISTER, CLERK OF THE COUNTY COURT OF SAID COUNTY, DO HEREBY CERTIFY THAT THE FORGOING INSTRUMENT IN WRITING, WITH ITS CERTIFICATION OF AUTHENTICATION, WAS FILED FOR RECORD IN MY OFFICE ON THE 14TH DAY OF SEPTEMBER, 2007, A.D., AT 1:00 O'CLOCK P.M. AND DULY RECORDED ON THE 14TH DAY OF SEPTEMBER, 2007, A.D., AT 2:26 O'CLOCK P.M. IN THE PLAT RECORDS OF SAID COUNTY, IN CABINET DD, SLIDES 323 AND 324

WITNESS MY HAND AND SEAL OF THE COUNTY COURT OF SAID COUNTY, AT OFFICE IN GEORGETOWN, TEXAS, THE DATE LAST ABOVE WRITTEN.

NANCY RISTER, CLERK, COUNTY COURT
WILLIAMSON COUNTY, TEXAS
BY: DEPUTY WILLIAM SHERLING

COUNTY COURT OF WILLIAMSON COUNTY, TEXAS

THE STATE OF TEXAS)
COUNTY OF WILLIAMSON)

APPROVED THIS 15TH DAY OF AUGUST, 2007, BY THE CITY PLANNING AND ZONING COMMISSION OF THE CITY OF ROUND ROCK, TEXAS, AND AUTHORIZED TO BE FILED FOR RECORD BY THE COUNTY CLERK OF WILLIAMSON COUNTY, TEXAS.

AL KOSIK, CHAIRMAN
PETER DRAPES, VICE CHAIR

APPROVED, ON THE 15TH DAY OF AUGUST, 2007.

KYLE MAXWELL, MAYOR
CITY OF ROUND ROCK, TEXAS

ATTEST:
CHRISTINE R. MARTINEZ, CITY SECRETARY
CITY OF ROUND ROCK, TEXAS

2 OF 2

PROJECT NO. 0129-2-010-00

BAKER-AICKLEN & ASSOCIATES, INC.
Engineers • Surveyors • GIS • Planning
405 BRUSHY CREEK RD.
CEDAR PARK, TX 78613
(512) 260-3700

Unofficial Document

HEA PROJECT NO. 22-034
ISSUED DATE: 6/23/2023

PLAT

PLAT

03

....

Z:\HEA\HEA Projects\Projects 22-000\22-034 Chasco YMCA Campus Improvements\CAD Files\Civil\SD\03 PLAT.dwg, 6/25/2023 2:27:19 PM, TerryH

Field: AC 2022/12/12 CTX6128
Drafter: RDG 2022/12/13
Revision:
Revision:

CLICK FOR PICS

DOCS

LEGEND OF SYMBOLS

- air conditioner
- borehole
- CATV cable tv
- EM electric meter
- fence or handrail
- FDC fire dept. connection
- FH fire hydrant
- fire lane
- guard rail
- grease trap
- GP bollard
- GI grate inlet
- GM gas meter
- gas line
- GUY utility pole anchor
- IV irrigation valve
- landscape or tree line
- LEB landscape electric box
- LSL landscape light
- LP light pole
- MB mailbox
- MW monitoring well
- OU overhead utility lines
- PE pool equipment
- road sign
- RD roof drain
- silt fence
- 356.7' spot elevation
- SSMH sanitary sewer manhole
- sanitary sewer pipe
- SDMH storm water manhole
- storm water pipe
- TMH telephone manhole
- TFL tank fill lid
- TR telephone riser
- traffic signal pole
- UMH unknown manhole
- CO utility clean out
- UC utility cabinet
- UV utility vault
- UP utility pole
- UP/UG utility pole with riser
- utility sign
- water shutoff
- WV water valve
- water manhole
- WM water meter
- well
- water line
- one-foot contour lines
- tree trunk (with canopy) caliper inches at breast height
- (M) ornamental tree multiple trunks
- Google 360 Hyperlink

NOTE - Some items may not pertain to this survey. The identification is subject to interpretation, verification may be required.

UTILITY WARNING

Unless otherwise stated, the client or client's representative did not provide JPH with plans and/or reports, and JPH did not coordinate a private utility locate request. If these Table A items are listed in the certification, the client, being aware of the factors listed above, has agreed for these Table A item(s) to be addressed from a combination of online GIS maps, markings from locate request(s) to municipalities and 811 and observed evidence of utilities. The client is aware locate requests to 811 and the like, may be ignored or result in an incomplete response, in which case utilities may not have been marked, or not completely marked, at the time the fieldwork was performed. Therefore, utilities may exist which are not shown on this survey. Lacking excavation and/or a private utility locate request, the exact location of underground features cannot be accurately, completely, and reliably depicted.

FLOOD ZONE CLASSIFICATION

This property lies within ZONE(S) X (unshaded) of the Flood Insurance Rate Map for Williamson County, Texas and Incorporated Areas, map no. 48491C0489F & 48491C0493F, dated 2019/12/20, via scaled map location and graphic plotting and/or the National Flood Hazard Layer (NFHL) Web Map Service (WMS) at http://hazards.fema.gov.

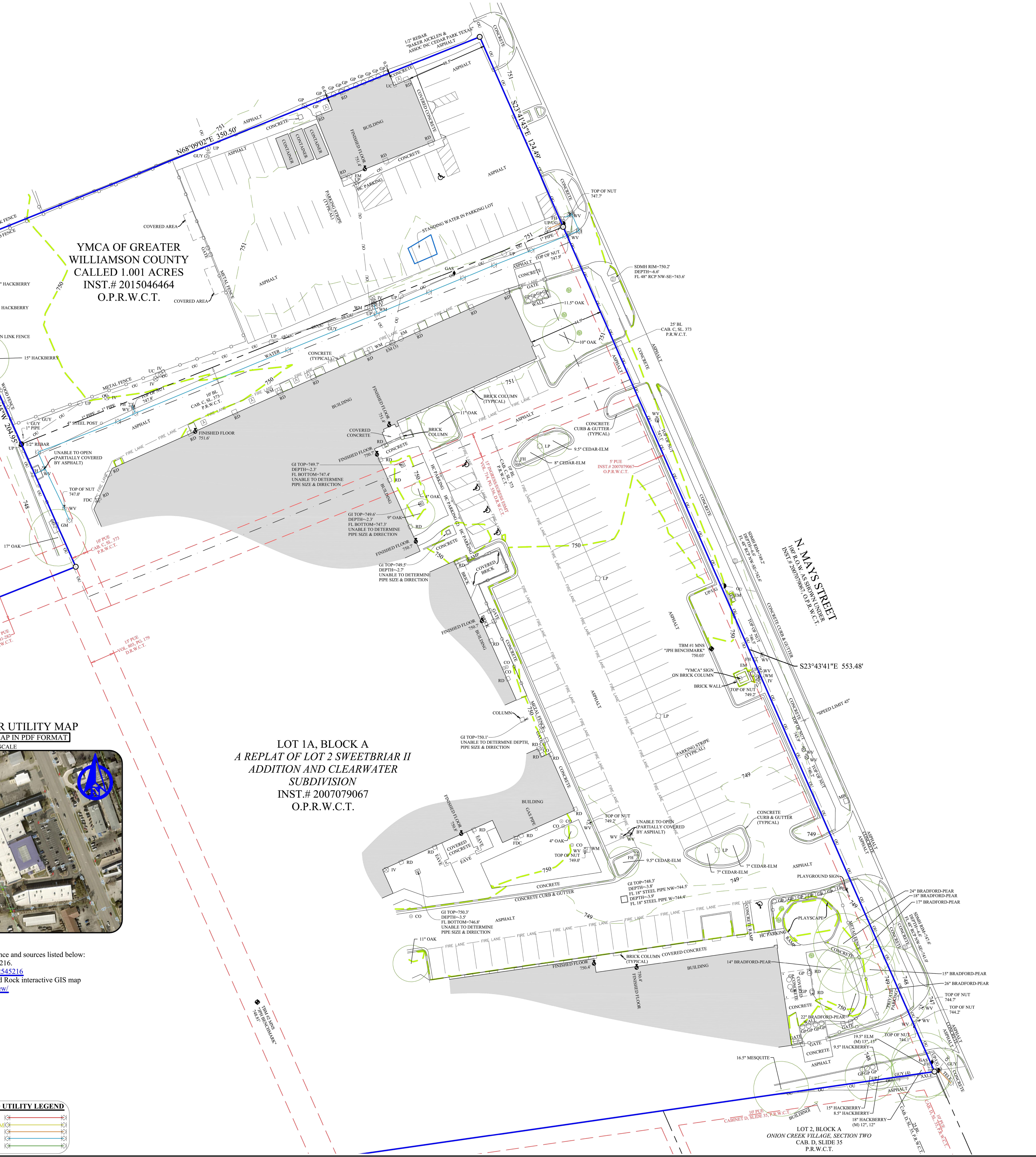
MONUMENTS / DATUMS / BEARING BASIS

Monuments are found if not marked MNS or CRS.

CRS ○ 1/2" rebar stamped "JPH Land Surveying" set
MNS ○ Mag nail & washer stamped "JPH Land Surveying" set
TBM Site benchmark (see vicinity map for general location)
Coordinate values, if shown, are US.SyFt./TxCS,'83,CZ
Elevations, if shown, are NAVD'88 (Geoid 18)
Bearings are based on the TxCS,'83,CZ
Distances & areas shown are represented in surface values

LEGEND OF ABBREVIATIONS

US.SyFt.	United States Survey Feet
TxCS,'83,CZ	Texas Coordinate System of 1983, Central Zone
NAVD'88	North American Vertical Datum of 1988
P.R.W.C.T.	Plat Records of Williamson County, Texas
O.P.R.W.C.T.	Official Public Records of Williamson County, Texas
D.R.W.C.T.	Deed Records of Williamson County, Texas
VOL/PG/INST#	Volume/Page/Instrument Number
CAB./SL.	Cabinet/Slide
POB/POC	Point of Beginning/Point of Commencing
ESMT/BL	Easement/Building Line
PUE	Public Utility Easement
PVC/RCP	Polyvinyl Chloride Pipe/Reinforced Concrete Pipe



WATER & SEWER UTILITY MAP

CLICK ◙ HERE FOR MAP IN PDF FORMAT

NOT TO SCALE

NOTE REGARDING UTILITIES:

Utility locations are per observed evidence and sources listed below:
TEXAS811 - ticket number(s) 2282545216.
https://portal.texas811.org/#/ticket/2282545216
GIS MAPS - Provided by City of Round Rock interactive GIS map
https://maps.roundrocktexas.gov/cityview/

JPH LaNd Surveying, Inc.

0 30' 60'
Scale: 1" = 30'

JPH Job/Drawing No. (see below)
2022.071.003 Chasco YMCA - 1826 N Mays, St., Round Rock, Wilco., TX.dwg
© 2022 JPH Land Surveying, Inc. - All Rights Reserved
1516 E. Palm Valley Blvd., Ste. A4, Round Rock, Texas 78664
Telephone (817) 431-4971 www.jphlandsurveying.com
TBPELS Firm #10019500
DFW | Central Texas | West Texas | Houston

TEXAS811 MARKED UTILITY LEGEND

ELECTRIC
ELECTRICGAS-OIL-STEAM
COMMUNICATION-CATV
WATER
SEWER

SURVEYOR'S NOTES:

1. The first site benchmark (TBM #1) is a mag nail with metal washer stamped "JPH BENCHMARK" set in a concrete curb in parking lot located on subject property, and located approximately 24 feet southwesterly from the west right-of-way line of N. Mays Street, and approximately 483 feet northwesterly from the north right-of-way line of W. Bowman Road. Benchmark Elevation = 750.03' (NAVD'88). See vicinity map for general location.

   The second site benchmark (TBM #2) is a mag nail with metal washer stamped "JPH BENCHMARK" set in a concrete curb in parking lot located on subject property, and located approximately 359 feet southwesterly from the west right-of-way line of N. Mays Street, and approximately 400 feet northwesterly from the north right-of-way line of W. Bowman Road. Benchmark Elevation = 748.81' (NAVD'88). See vicinity map for general location.

2. The site surface is natural ground/dirt, unless noted otherwise.

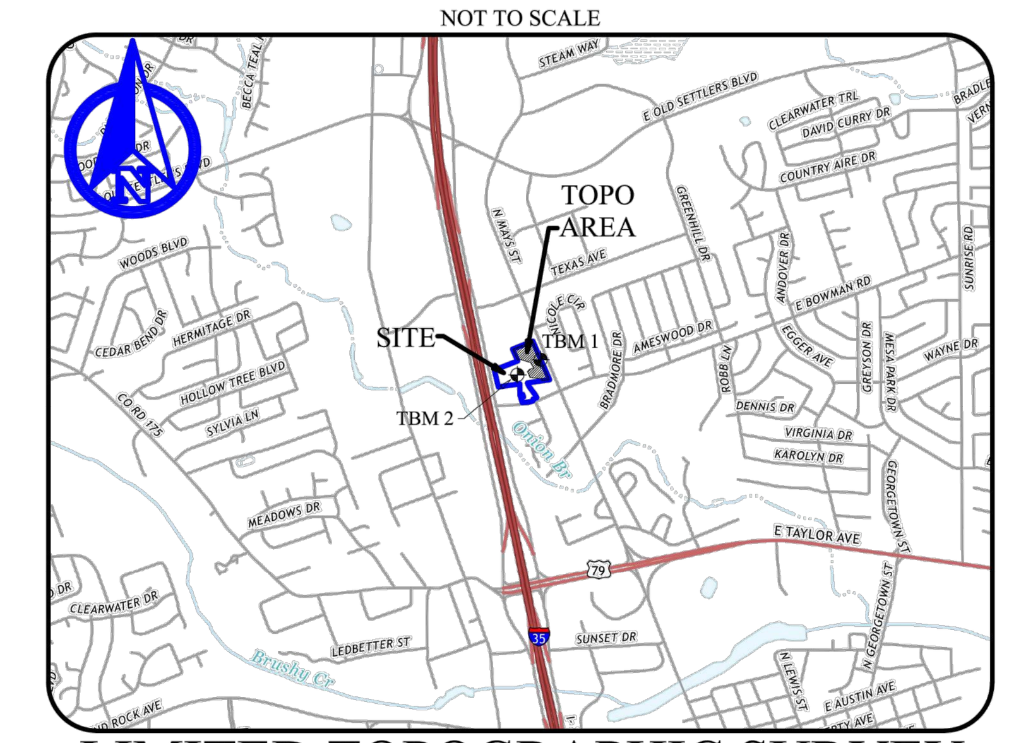
3. This survey was performed without the benefit of a title commitment. Complete copies of the record description of the property, any record easements benefiting the property, the record easements or servitudes and covenants affecting the property ("Record Documents"), documents of record referred to in the Record Documents, and any other documents containing desired appropriate information affecting the property being surveyed and to which the survey shall make reference were not provided to this surveyor for notation on the survey. Therefore, easements, agreements, or other documents, either recorded, or unrecorded may exist that affect the subject property that are not shown on this survey.

Chris Henderson
Registered Professional
Land Surveyor No. 6831
Chris@jphls.com
December 15, 2022

STATE OF TEXAS REGISTERED CHRIS HENDERSON 6831 PROFESSIONAL LAND SURVEYOR

VICINITY MAP

NOT TO SCALE



LIMITED TOPOGRAPHIC SURVEY

SITUATED IN A PORTION OF

LOT 1A, BLOCK A
YMCA OF GREATER WILLIAMSON COUNTY ROUND ROCK BRANCH: A FINAL PLAT OF 3.209 ACRES AND A REPLAT OF LOT 2 SWEETBRIAR II ADDITION AND CLEARWATER SUBDIVISION

INSTRUMENT NUMBER 2007079067, O.P.R.W.C.T.

AND SITUATED IN

YMCA OF GREATER WILLIAMSON COUNTY

INSTRUMENT NUMBER 2015046464, O.P.R.W.C.T.

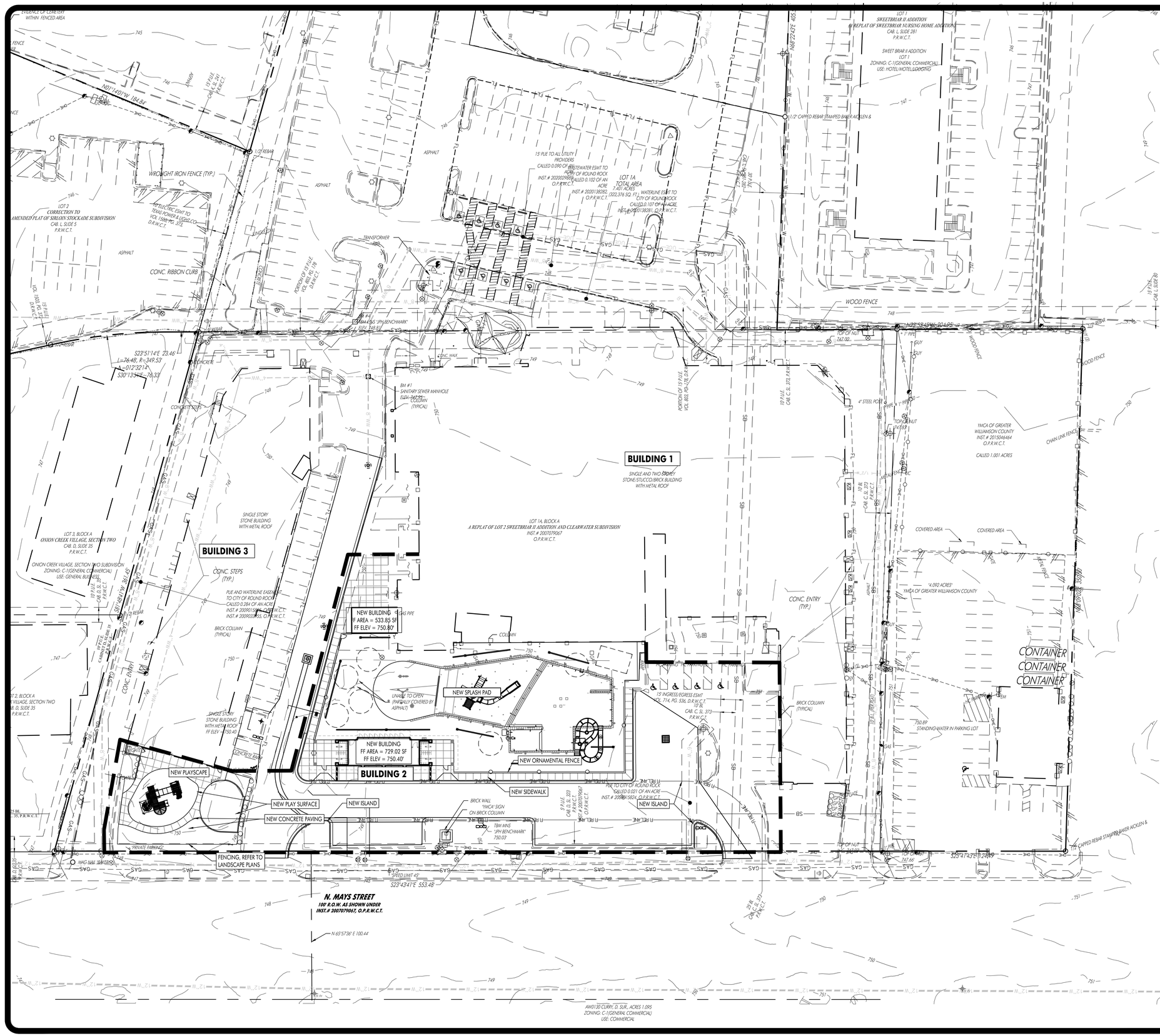
SRV

04

CITY OF ROUND ROCK
WILLIAMSON COUNTY, TEXAS

ADDRESS: 1812 N. MAYS STREET (PER APPRAISAL DISTRICT)

Z:\HEA\HEA Projects\Projects 22-000\22-034 Chasco YMCA Campus Improvements\CAD Files\Civil\SD\SRV.dwg, 6/25/2023 2:27:30 PM, TerryH



LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- PROPOSED CONTOUR
- PROPOSED CURB AND GUTTER
- PROPOSED ASPHALT
- PROPOSED X' DIA. GAS LINE
- PROPOSED X' DIA. STORM SEWER LINE
- PROPOSED X' DIA. WASTEWATER LINE
- PROPOSED X' DIA. WATER LINE
- EXISTING CHAIN LINK FENCE
- EXISTING WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING WATER LINE (SIZE VARIES)
- EXISTING WASTEWATER LINE (SIZE VARIES)
- EXISTING FORCE MAIN (SIZE VARIES)
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- PARKING COUNT
- PARCEL LINES
- HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- ROCK BERM
- INLET PROTECTION
- TREE PROTECTION
- MULCH SOCK
- LIMITS OF CONSTRUCTION

SITE DATA TABLE

	BUILDING 1	BUILDING 2	BUILDING 3
ZONING	C1	C1	C1
BUILDING OCCUPANCY TYPE:	A-3	B	A-3
TYPE OF CONSTRUCTION:	II-B	II-B	II-B
HEIGHT:	35'	19'-0"	20'-0"
PROPOSED USE	INDOOR ENTERTAINMENT	ACCESSORY	INDOOR ENTERTAINMENT/OFFICE
LANDSCAPE AREA:		1.73 ACRES	
LOT ACREAGE:		7.4 ACRES	
CALCULATIONS		BUILDING USE CATEGORY	
BUILDING AREAS	INDOOR ENTERTAINMENT	OFFICE	TOTAL
BUILDING 1	64,082	0	64,062
BUILDING 2	667	0	667
BUILDING 3	13034	6071	19105
	77783	6071	83854
PARKING REQUIREMENTS	1 / 250 < 50,000 SF 1 /1000 > 50000 SF	1 SP/250 SF	
PARKING COUNTS	REQUIRED	PROVIDED	TOTAL
TOTAL	228	265 REGULAR	273
ADA PARKING SPACES	7	8	

HAGOOD 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

STATE OF TEXAS
TERRY R. HAGOOD
52960
REGISTERED
PROFESSIONAL ENGINEER

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JOB NO. 22-034 © 2023 HEA, Inc.
DATE SIGNED: 6/23/2023
ISSUED FOR: AGENCY REVIEW

SITE DEVELOPMENT PLANS FOR CHASCO FAMILY YMCA OUTDOOR AQUATICS
1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

NO.	DATE	DESCRIPTION

REVISIONS

HEA PROJECT NO. 22-034
ISSUED DATE: 6/23/2023

SITE PLAN

SHEET NO.
SP
05
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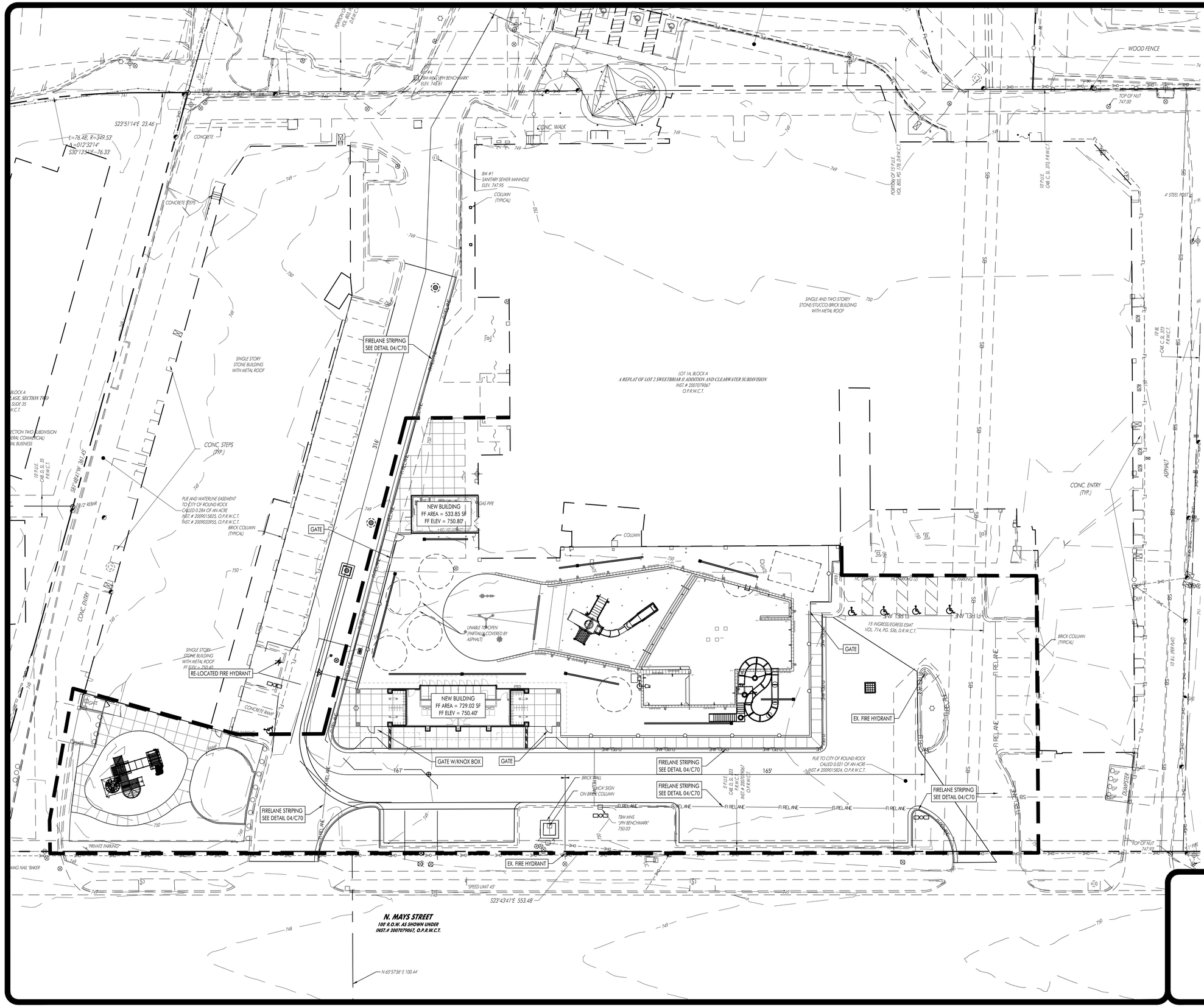

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1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

REVISIONS

NO.	DATE	DESCRIPTION

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ISSUED DATE: 6/23/2023

FIRE

SHEET NO.
FIRE
06
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LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
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- WASTEWATER CLEANOUT
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- 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 WIRE FENCE
- EXISTING WOOD FENCE
- SB — SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- W — EXISTING WATER LINE (SIZE VARIES)
- EXISTING WASTEWATER LINE (SIZE VARIES)
- EXISTING FORCE MAIN (SIZE VARIES)
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
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- MONARCH/HERITAGE TREE (SIZE VARIES)
- 7 — PARKING COUNT
- PARCEL LINES
- HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
- STABILIZED CONSTRUCTION ENTRANCE
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- INLET PROTECTION
- TREE PROTECTION
- MULCH SOCK
- LIMITS OF CONSTRUCTION

NOTES:
1. REFER TO SHEET 'CALCS' FOR TCDQ, DRAINAGE AREA, AND TIME OF CONCENTRATION CALCULATIONS.

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1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

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NO.	DATE	DESCRIPTION

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

EXISTING DRAINAGE AREAS

SHEET NO.
EDA
07

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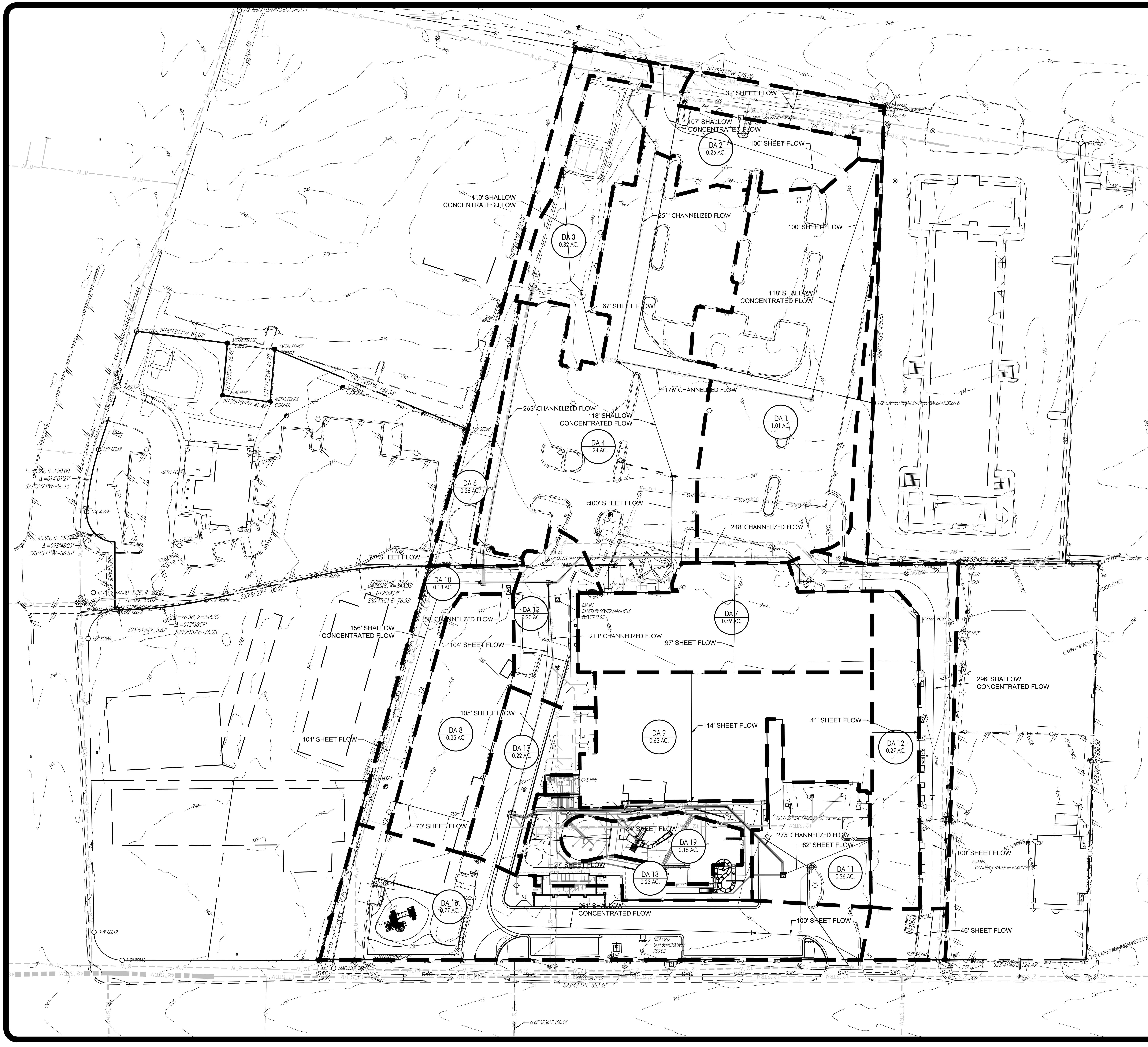

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NOTES:

1. REFER TO SHEET "CALCS" FOR TCDQ, DRAINAGE AREA, AND TIME OF CONCENTRATION CALCULATIONS.
2. FLOWS FROM SITE DEVELOPED CONDITIONS ARE LESS THAN EXISTING CONDITIONS DUE TO A REDUCTION IN IMPERVIOUS COVER.

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SITE DEVELOPMENT PLANS FOR CHASCO FAMILY YMCA OUTDOOR AQUATICS
1801 N. INTERSTATE HIGHWAY 35
ROUND ROCK, TEXAS 78665

REVISIONS

NO.	DATE	DESCRIPTION

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

DEVELOPED DRAINAGE AREAS

SHEET NO.
PDA
08

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Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: YMCA Aquatics
Date Prepared: 6/5/2023

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

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

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

where:
$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan * =	7.41	acres
Predevelopment impervious area within the limits of the plan * =	5.90	acres
Total post-development impervious area within the limits of the plan* =	5.61	acres
Total post-development impervious cover fraction * =	0.76	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	-252	lbs.

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

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

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

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	7.41	acres
Predevelopment impervious area within drainage basin/outfall area =	5.90	acres
Post-development impervious area within drainage basin/outfall area =	5.61	acres
Post-development impervious fraction within drainage basin/outfall area =	0.76	
$L_{M\ THIS\ BASIN}$ =	-252	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter
Removal efficiency = 89 percent

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

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

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

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

A_C =	7.41	acres
A_I =	5.90	acres
A_P =	1.51	acres
L_R =	5837	lbs

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

Desired $L_{M\ THIS\ BASIN}$ =	-252	lbs.
F =	-0.04	

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth =	#N/A	inches
Post Development Runoff Coefficient =	0.62	
On-site Water Quality Volume =	#N/A	cubic feet

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

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

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

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	#N/A	cubic feet	
Minimum filter basin area =	#N/A	square feet	
Maximum sedimentation basin area =	#N/A	square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	#N/A	square feet	For maximum water depth of 8 feet

DRAINAGE AREAS TIME OF CONCENTRATION TR-55

TYPE Zone/Surface Type		Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Sheet flow (1)	Length	ft	100	100	67	100	32	77	97	70	114	100	100	41	100	46	35	100
	Max. Elevation	ft	746.25	746	744.5	749	746.5	749	764	764	764	748.9	751	764	751	751	749.5	751
	Min. Elevation	ft	745.5	745.25	744	747	741	748	763	763.3	762.8	748.5	750.1	763.6	750.5	750.5	749.2	749.9
	Slope	ft/ft	0.0075	0.0075	0.0075	0.0200	0.1719	0.0130	0.0103	0.0100	0.0105	0.0040	0.0090	0.0098	0.0050	0.0109	0.0086	0.0110
	Mannings Value		0.02	0.02	0.2	0.02	0.2	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Zone 2	Precip-2 yr	in	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97
time of concentration		*min.*	*1.25*	*1.25*	*5.72*	*0.98*	*1.45*	*5.57*	*1.12*	*0.87*	*1.27*	*1.46*	*1.19*	*0.57*	*1.38*	*0.61*	*0.52*	*1.13*
Shall Conc (1)	Length	ft	118	107	110	118			498			278	235					261
Paved	Max Elevation	ft	745.5	745.25	744	747			1054			748.5	750.1					749.9
	Min Elevation	ft	744.5	743	742	745.5			950			747.2	748.5					748.25
	Slope	ft/ft	0.0085	0.0210	0.0182	0.0127			0.2088			0.0047	0.0068					0.0063
time of concentration		*min.*	*1.05*	*0.60*	*0.67*	*0.86*	*0.00*	*0.00*	*0.89*	*0.00*	*0.00*	*3.33*	*2.34*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Channel (1)	length	ft	176			251							269					
	Area		3.1412			3.142							4.9					
	velocity	fps	6			7.42							5.28					
time of concentration		*min.*	*0.49*	*0.00*	*0.00*	*0.56*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.85*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Channel (2)	length	ft	251					0					263					
	area		3.142										3.142					
	velocity	fps	7.42										7.42					
time of concentration		*min.*	*0.56*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.59*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Total		*Tc*	*5.00*	*5.00*	*6.39*	*5.00*	*5.00*	*5.57*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*

EXISTING CONDITIONS DRAINAGE SUMMARY (Atlas 14)

Area No.	Acres	%IC	Tc	C2	I2 in/hr	Q2 cfs	C10	I10 in/hr	Q10 cfs	C25	I25 in/hr	Q25 cfs	C50	I50 in/hr	Q50 cfs	C100	I100 in/hr	Q100 cfs	Remarks
DA 1	0.977	80.44%	5-min	0.2142	2.93	0.613	0.255	4.25	1.056	0.295	5.11	1.470	0.325	5.790	1.836	0.365	6.51	2.319	To Water Qualtiy Pond
DA 2	0.259	96.93%	5-min	0.215	2.93	0.163	0.255	4.25	0.281	0.296	5.11	0.390	0.326	5.790	0.487	0.366	6.51	0.616	To IH35
DA 3	0.320	0.00%	5-min	0.21	2.93	0.197	0.250	4.25	0.340	0.290	5.11	0.474	0.320	5.790	0.592	0.360	6.51	0.749	Water Qualtiy & Detention Pond
DA 4	1.269	87.71%	5-min	0.2146	2.93	0.798	0.255	4.25	1.375	0.295	5.11	1.913	0.325	5.790	2.389	0.365	6.51	3.017	To Water Qualtiy Pond
DA 5	0.229	0.00%	5-min	0.21	2.93	0.141	0.250	4.25	0.243	0.290	5.11	0.339	0.320	5.790	0.424	0.360	6.51	0.536	To IH35
DA 6	0.252	1.28%	5-min	0.2101	2.93	0.155	0.250	4.25	0.268	0.290	5.11	0.373	0.320	5.790	0.467	0.360	6.51	0.591	To Offsite
DA 7	0.486	100.00%	5-min	0.2152	2.93	0.306	0.256	4.25	0.528	0.296	5.11	0.734	0.326	5.790	0.916	0.366	6.51	1.157	To Detention Pond
DA 8	0.358	100.00%	5-min	0.2152	2.93	0.225	0.256	4.25	0.388	0.296	5.11	0.540	0.326	5.790	0.674	0.366	6.51	0.852	To Detention Pond
DA 9	0.610	100.00%	5-min	0.2152	2.93	0.384	0.256	4.25	0.662	0.296	5.11	0.921	0.326	5.790	1.150	0.366	6.51	1.452	To Detention Pond
DA 10	0.185	92.90%	5-min	0.2148	2.93	0.116	0.255	4.25	0.200	0.295	5.11	0.279	0.325	5.790	0.348	0.365	6.51	0.439	To Detention Pond
DA 11	0.855	89.80%	5-min	0.2147	2.93	0.538	0.255	4.25	0.927	0.295	5.11	1.290	0.325	5.790	1.610	0.365	6.51	2.034	To Detention Pond
DA 12	0.267	100.00%	5-min	0.2152	2.93	0.168	0.256	4.25	0.290	0.296	5.11	0.404	0.326	5.790	0.504	0.366	6.51	0.636	To Detention Pond
DA 13	0.285	79.15%	5-min	0.2141	2.93	0.179	0.254	4.25	0.308	0.295	5.11	0.429	0.325	5.790	0.536	0.365	6.51	0.677	To Detention Pond
DA 14	0.074	30.19%	5-min	0.2116	2.93	0.046	0.252	4.25	0.079	0.292	5.11	0.111	0.322	5.790	0.138	0.362	6.51	0.175	To North Mays
DA 15	0.204	73.85%	5-min	0.2138	2.93	0.128	0.254	4.25	0.220	0.294	5.11	0.306	0.324	5.790	0.382	0.364	6.51	0.483	To Detention Pond
DA 16	0.780	87.24%	5-min	0.2145	2.93	0.490	0.255	4.25	0.845	0.295	5.11	1.175	0.325	5.790	1.468	0.365	6.51	1.854	To North Mays
Total	7.41	79.53%				4.65			8.01			11.15			13.92			17.59	

DRAINAGE AREAS TIME OF CONCENTRATION TR-55

TYPE Zone/Surface Type		Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Sheet flow (1)	Length	ft	100	100	67	100	32	77	97	70	114	100	82	41	100	46	104	100	105	84	84
	Max. Elevation	ft	746.25	746	744.5	749	746.5	749	764	764	764	748.9	750.5	764	751	751	749.75	751	749.5	749.5	749.5
	Min. Elevation	ft	745.5	745.25	744	747	741	748	763	763.3	762.8	748.5	749.9	763.6	750.5	750.5	749.2	749.9	749.4	749.4	749.4
	Slope	ft/ft	0.0075	0.0075	0.0075	0.0200	0.1719	0.0130	0.0103	0.0100	0.0105	0.0040	0.0073	0.0098	0.0050	0.0109	0.0053	0.0110	0.0010	0.0012	0.0012
	Mannings Value		0.02	0.02	0.2	0.02	0.2	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Zone 2	Precip-2 yr	in	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.97
time of concentration		*min.*	*1.25*	*1.25*	*5.72*	*0.98*	*1.45*	*5.57*	*1.12*	*0.87*	*1.27*	*1.46*	*1.07*	*0.57*	*1.38*	*0.61*	*1.40*	*1.13*	*2.17*	*1.72*	*1.72*
Shall Conc (1)	Length	ft	118	107	110	118			498			156			296			261			
Paved	Max Elevation	ft	745.5	745.25	744	747			1054			748.5			750.5			749.9			
	Min Elevation	ft	744.5	743	742	745.5			950			747.2			748.5			748.25			
	Slope	ft/ft	0.0085	0.0210	0.0182	0.0127			0.2088			0.0083			0.0068			0.0063			
time of concentration		*min.*	*1.05*	*0.60*	*0.67*	*0.86*	*0.00*	*0.00*	*0.89*	*0.00*	*0.00*	*1.40*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Channel (1)	length	ft	176			251							275		248				211	211	211
	Area		3.1412			3.142							1.76		12.49						
	velocity	fps	6			7.42							6.8		7.42						
time of concentration		*min.*	*0.49*	*0.00*	*0.00*	*0.56*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.67*	*0.00*	*0.56*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Channel (2)	length	ft	251					0							321		321		321	321	321
	area		3.142												8.1		8.1		8.1	8.1	8.1
	velocity	fps	7.42												4.33		4.33		4.33	4.33	4.33
time of concentration		*min.*	*0.56*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*1.24*	*0.00*	*1.24*	*0.00*	*1.24*	*1.24*	*1.24*
Total		*Tc*	*5.00*	*5.00*	*6.39*	*5.00*	*5.00*	*5.57*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*

DEVELOPED CONDITIONS DRAINAGE SUMMARY (Atlas 14)

Area No.	Acres	%IC	Tc	C2	I2 in/hr	Q2 cfs	C10	I10 in/hr	Q10 cfs	C25	I25 in/hr	Q25 cfs	C50	I50 in/hr	Q50 cfs	C100	I100 in/hr	Q100 cfs	Remarks
DA 1	1.012	77.61%	5-min	0.214	2.93	0.635	0.254	4.25	1.094	0.294	5.11	1.523	0.325	5.790	1.902	0.365	6.51	2.402	To Water Qualtiy Pond
DA 2	0.259	96.93%	5-min	0.215	2.93	0.163	0.255	4.25	0.281	0.296	5.11	0.390	0.326	5.790	0.487	0.366	6.51	0.616	To IH35
DA 3	0.320	0.00%	5-min	0.21	2.93	0.197	0.250	4.25	0.340	0.290	5.11	0.474	0.320	5.790	0.592	0.360	6.51	0.749	Water Qualtiy & Detention Pond
DA 4	1.236	90.05%	5-min	0.2147	2.93	0.777	0.255	4.25	1.340	0.295	5.11	1.864	0.325	5.790	2.327	0.365	6.51	2.939	To Water Qualtiy Pond
DA 5	0.229	0.00%	5-min	0.21	2.93	0.141	0.250	4.25	0.243	0.290	5.11	0.339	0.320	5.790	0.424	0.360	6.51	0.536	To IH35
DA 6	0.252	1.28%	5-min	0.2101	2.93	0.155	0.250	4.25	0.268	0.290	5.11	0.373	0.320	5.790	0.467	0.360	6.51	0.591	To Offsite
DA 7	0.486	100.00%	5-min	0.2152	2.93	0.306	0.256	4.25	0.528	0.296	5.11	0.734	0.326	5.790	0.916	0.366	6.51	1.157	To Detention Pond
DA 8	0.358	96.10%	5-min	0.215	2.93	0.225	0.255	4.25	0.388	0.295	5.11	0.540	0.326	5.790	0.674	0.366	6.51	0.851	To Detention Pond
DA 9	0.620	98.44%	5-min	0.2151	2.93	0.391	0.256	4.25	0.673	0.296	5.11	0.937	0.326	5.790	1.169	0.366	6.51	1.477	To Detention Pond
DA 10	0.185	88.70%	5-min	0.2146	2.93	0.116	0.255	4.25	0.200	0.295	5.11	0.278	0.325	5.790	0.348	0.365	6.51	0.439	To Detention Pond
DA 11	0.262	59.33%	5-min	0.2131	2.93	0.163	0.253	4.25	0.282	0.293	5.11	0.392	0.323	5.790	0.490	0.364	6.51	0.620	To Detention Pond
DA 12	0.267	100.00%	5-min	0.2152	2.93	0.168	0.256	4.25	0.290	0.296	5.11	0.404	0.326	5.790	0.504	0.366	6.51	0.636	To Detention Pond
DA 13	0.285	79.66%	5-min	0.2141	2.93	0.179	0.254	4.25	0.308	0.295	5.11	0.429	0.325	5.790	0.536	0.365	6.51	0.677	To Detention Pond
DA 14	0.074	31.37%	5-min	0.2116	2.93	0.046	0.252	4.25	0.079	0.292	5.11	0.111	0.322	5.790	0.138	0.362	6.51	0.175	To North Mays
DA 15	0.204	75.07%	5-min	0.2139	2.93	0.128	0.254	4.25	0.220	0.294	5.11	0.306	0.324	5.790	0.382	0.364	6.51	0.483	To Detention Pond
DA 16	0.765	81.76%	5-min	0.2143	2.93	0.480	0.255	4.25	0.828	0.295	5.11	1.152	0.325	5.790	1.439	0.365	6.51	1.818	To North Mays
DA 17	0.220	94.26%	5-min	0.2149	2.93	0.138	0.255	4.25	0.238	0.295	5.11	0.332	0.325	5.790	0.414	0.366	6.51	0.523	To Detention Pond
DA 18	0.229	100.00%	5-min	0.2152	2.93	0.145	0.256	4.25	0.249	0.296	5.11	0.347	0.326	5.790	0.433	0.366	6.51	0.546	To Detention Pond
DA 19	0.154	100.00%	5-min	0.2152	2.93	0.097	0.256	4.25	0.168	0.296	5.11	0.233	0.326	5.790	0.291	0.366	6.51	0.367	To Detention Pond
Total	7.42	78.19%				4.65			8.02			11.16			13.93			17.60	

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TERRY R. HAGOOD, P.E. 52960

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JOB NO. 22-034 © 2023 HEA, Inc.
DATE SIGNED: 6/23/2023
ISSUED FOR: AGENCY REVIEW

SITE DEVELOPMENT PLANS FOR
CHASCO FAMILY YMCA OUTDOOR AQUATICS
1801 N. INTERSTATE HIGHWAY 35
ROUND ROCK, TEXAS 78665

REVISIONS

NO.	DATE	DESCRIPTION

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

DRAINAGE CALCULATIONS

SHEET NO.
CALCS
09

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CITY OF ROUND ROCK GENERAL CONSTRUCTION NOTES

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROUND ROCK STANDARD SPECIFICATIONS
2. ANY EXISTING UTILITIES, PAVEMENT, CURBS, SIDEWALKS, STRUCTURES, TREES, ETC., NOT PLANNED FOR DEMOLITION OR REMOVAL THAT ARE DAMAGED OR REMOVED SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL VERIFY ALL DEPTHS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES WITH THE CONSTRUCTION PLANS FOUND IN THE FIELD SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER WHO SHALL BE RESPONSIBLE FOR REVISING THE PLANS AS APPROPRIATE.
4. MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL PAVING CONSTRUCTION.
5. THE CONTRACTOR SHALL GIVE THE CITY OF ROUND ROCK 48 HOURS NOTICE BEFORE BEGINNING EACH PHASE OF CONSTRUCTION. TELEPHONE 512-218-5428 (PLANNING AND DEVELOPMENT SERVICES DEPARTMENT).
6. ALL AREAS DISTURBED OR EXPOSED DURING CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS WELL AS THE STANDARD SPECIFICATIONS MANUAL SERIES 600. REVEGETATION OF ALL DISTURBED OR EXPOSED AREAS SHALL CONSIST OF SODDING OR SEEDING, AT THE CONTRACTOR'S OPTION. HOWEVER, THE TYPE OF REVEGETATION MUST EQUAL OR EXCEED THE TYPE OF VEGETATION PRESENT BEFORE CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION, THE ENGINEER SHALL CONVENE A PRECONSTRUCTION CONFERENCE BETWEEN THE CITY OF ROUND ROCK, HIMSELF, THE CONTRACTOR, OTHER UTILITY COMPANIES, ANY AFFECTED PARTIES AND ANY OTHER ENTITY THE CITY OR ENGINEER MAY REQUIRE.
8. THE CONTRACTOR AND THE ENGINEER SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS. ANY DEVIATIONS SHALL BE INCORPORATED INTO A REVISION AND APPROVED BY PLANNING AND DEVELOPMENT SERVICES. THE ENGINEER SHALL FURNISH THE CITY OF ROUND ROCK ACCURATE "AS-BUILT RECORD" DRAWINGS FOLLOWING COMPLETION OF ALL CONSTRUCTION. THESE "AS-BUILT RECORD" DRAWINGS SHALL MEET WITH THE SATISFACTION OF THE PLANNING AND DEVELOPMENT SERVICES DEPARTMENT PRIOR TO FINAL ACCEPTANCE.
9. THE CITY OF ROUND ROCK SHALL NOT BE PETITIONED FOR ACCEPTANCE UNTIL ALL NECESSARY EASEMENT DOCUMENTS HAVE BEEN SIGNED AND RECORDED.
10. WHEN CONSTRUCTION IS BEING CARRIED OUT WITHIN EASEMENTS, THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE PERMANENT AND ANY TEMPORARY EASEMENTS. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TRASH AND DEBRIS WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. CLEAN-UP SHALL BE TO THE SATISFACTION OF THE PLANNING AND DEVELOPMENT SERVICES INSPECTOR.
11. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL APPLY FOR AND SECURE ALL PROPER PERMITS FROM THE APPROPRIATE AUTHORITIES.
12. AVAILABLE BENCHMARKS THAT MAY BE UTILIZED FOR THE CONSTRUCTION OF THIS PROJECT ARE DESCRIBED AS FOLLOWS:

TBM #1 - MNS "JPH BENCHMARK" (SEE SP1)
ELEV = 741.41 NAVD'88 (GEOID 18)

TBM #2 - MNS "JPH BENCHMARK" (SEE SP1)
ELEV = 747.71 NAVD'88 (GEOID 18)

TRENCH SAFETY NOTES:

1. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U. S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, ALL TRENCHES OVER 5 FEET IN DEPTH IN EITHER HARD AND COMPACT OR SOFT AND UNSTABLE SOIL SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED. A SITE SPECIFIC ENGINEERED TRENCH SAFETY SYSTEM, ACCEPTED BY PLANNING AND DEVELOPMENT SERVICES, SHALL BE UTILIZED FOR THIS PROJECT.
2. N ACCORDANCE WITH THE U. S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, WHEN PERSONS ARE IN TRENCHES 4 FEET DEEP OR MORE, ADEQUATE MEANS OF EXIT, SUCH AS A LADDER OR STEPS, MUST BE PROVIDED AND LOCATED SO AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.
3. IF TRENCH SAFETY SYSTEM DETAILS WERE NOT PROVIDED IN THE PLANS BECAUSE TRENCHES WERE ANTICIPATED TO BE LESS THAN 5 FEET IN DEPTH AND DURING CONSTRUCTION IT IS FOUND THAT TRENCHES ARE IN FACT 5 FEET OR MORE IN DEPTH OR OR TRENCHES LESS THAN 5 FEET IN DEPTH ARE IN AN AREA WHERE HAZARDOUS GROUND MOVEMENT IS EXPECTED, ALL CONSTRUCTION SHALL CEASE, THE TRENCHED AREA SHALL BE BARRICADED AND THE ENGINEER NOTIFIED IMMEDIATELY. CONSTRUCTION SHALL NOT RESUME UNTIL APPROPRIATE TRENCH SAFETY SYSTEM DETAILS, AS DESIGNED BY A PROFESSIONAL ENGINEER, ARE RETAINED AND COPIES SUBMITTED TO THE CITY OF ROUND ROCK.

STREET AND DRAINAGE NOTES:

1. ALL TESTING SHALL BE DONE BY AN INDEPENDENT LABORATORY AT THE OWNER'S EXPENSE. ANY RETESTING SHALL BE PAID FOR BY THE CONTRACTOR. A CITY INSPECTOR SHALL BE PRESENT DURING ALL TESTS. TESTING SHALL BE COORDINATED WITH THE CITY INSPECTOR AND HE SHALL BE GIVEN A MINIMUM OF 24 HOURS NOTICE PRIOR TO ANY TESTING.
2. BACKFILL BEHIND THE CURB SHALL BE COMPACTED TO OBTAIN A MINIMUM OF 95% MAXIMUM DENSITY TO WITHIN 3" OF TOP OF CURB. MATERIAL USED SHALL BE PRIMARILY GRANULAR WITH NO ROCKS LARGER THAN 6" IN THE GREATEST DIMENSION. THE REMAINING 3" SHALL BE CLEAN TOPSOIL FREE FROM ALL CLODS AND SUITABLE FOR SUSTAINING PLANT LIFE.
3. DEPTH OF COVER FOR ALL CROSSINGS UNDER PAVEMENT INCLUDING GAS, ELECTRIC, TELEPHONE, CABLE TV, WATER SERVICES, ETC., SHALL BE A MINIMUM OF 30" BELOW SUBGRADE.
4. STREET RIGHTS-OF-WAY SHALL BE GRADED AT A SLOPE OF 1/4" PER FOOT TOWARD THE CURB UNLESS OTHERWISE INDICATED. HOWEVER, IN NO CASE SHALL THE WIDTH OF RIGHT-OF-WAY AT 1/4" PER FOOT SLOPE BE LESS THAN 10 FEET UNLESS A SPECIFIC REQUEST FOR AN ALTERNATE GRADING SCHEME IS MADE TO AND ACCEPTED BY THE CITY OF ROUND ROCK PLANNING AND DEVELOPMENT SERVICES DEPARTMENT.
5. BARRICADES BUILT TO CITY OF ROUND ROCK STANDARDS SHALL BE CONSTRUCTED ON ALL DEAD-END STREETS AND AS NECESSARY DURING CONSTRUCTION TO MAINTAIN JOB AND PUBLIC SAFETY.
6. ALL R.C.P. SHALL BE MINIMUM CLASS III.
7. THE SUBGRADE MATERIAL FOR THE STREETS SHOWN HEREIN WAS TESTED BY: ____ALLIANCE ENGINEERING GROUP____ IN A REPORT DATED ___SEPT 15, 2022________, AND THE PAVING SECTIONS DESIGNED IN ACCORDANCE WITH THE CURRENT CITY OF ROUND ROCK DESIGN CRITERIA. THE PAVING SECTIONS ARE TO BE CONSTRUCTED AS FOLLOWS: SEE DETAIL SHEET C70

STREET	STATION	FLEX BASE THICKNESS	HMAC THICKNESS	LIME STAB THICKNESS

THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE FOR COMPLIANCE WITH THE DESIGN ASSUMPTIONS MADE DURING PREPARATION OF THE SOILS REPORT. ANY ADJUSTMENTS THAT ARE REQUIRED SHALL BE MADE THROUGH REVISION OF THE CONSTRUCTION PLANS.

8. WHERE PLASTICITY INDEX (PI) OVER 20, SUBGRADES MUST BE STABILIZED UTILIZING A METHOD ACCEPTABLE TO THE CITY ENGINEER. ANY LIME SHALL BE APPLIED TO THE SUBGRADE SOIL IN SLURRY FORM UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. THE GEOTECHNICAL ENGINEER SHALL RECOMMEND AN APPROPRIATE SUBGRADE STABILIZATION IF SULFATES ARE DETERMINED TO BE PRESENT.

WATER AND WASTEWATER NOTES:

1. PIPE MATERIAL AND ACCESSORIES SHALL BE OF NEW MATERIAL ONLY. WATER MAINS SHALL BE DUCTILE IRON (AWWA C-110, C-104 AND ANSI/AWWA C-153/A21.53-84, MIN. PRESSURE CLASS 200) OR PVC (AWWA C-900/C-C905, ASTM F477 AND D3139, MIN. PRESSURE CLASS 200), OR HDPE (AWWA C-906, ASTM F714, NSF 61 AND PE 3408 BY ASTM 3350) WITH A MINIMUM 11 DIMENSION RATIO AND (DR) DUCTILE IRON PIPE SIZE (DIPS). SERVICE PIPING SHALL BE COPPER SEAMLESS TYPE K OR POLYETHYLENE (BLACK, 200 PSI, DR9) AS ACCEPTED BY THE CITY.
2. PIPE MATERIAL FOR PRESSURE WASTEWATER MAINS SHALL BE DR 26 HIGHER PRESSURE RATED (150+PSI), OR DUCTILE IRON (AWWA C-100, MIN. CLASS 200). PIPE MATERIAL FOR GRAVITY WASTEWATER MAINS SHALL BE PVC (ASTM D2241 OR D3034, MAX. DR-26), DUCTILE IRON (AWWA C-100, MIN. CLASS 200).
3. UNLESS OTHERWISE ACCEPTED BY THE CITY ENGINEER, DEPTH OF COVER FOR ALL LINES OUT OF THE PAVEMENT SHALL BE 42" MINIMUM AND DEPTH OF COVER FOR ALL LINES UNDER PAVEMENT SHALL BE A MINIMUM OF 30" BELOW SUBGRADE.
4. ALL FIRE HYDRANT LEADS SHALL BE DUCTILE IRON PIPE (AWWA C-100, MIN. CLASS 200).
5. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH MINIMUM 8-MIL POLYETHYLENE AND SEALED WITH DUCT TAPE OR EQUAL ACCEPTED BY THE CITY ENGINEER.
6. THE CONTRACTOR SHALL CONTACT THE CITY OF ROUND ROCK CIVIL INSPECTOR TO COORDINATE UTILITY TIE-INS AND NOTIFY HIM AT LEAST 48 HOURS PRIOR TO CONNECTING TO EXISTING LINES.
7. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON RING AND COVER. ALL MANHOLES LOCATED OUTSIDE OF THE PAVEMENT SHALL HAVE BOLTED COVERS. TAPPING OF FIBERGLASS MANHOLES SHALL NOT BE ALLOWED.
8. THE CONTRACTOR MUST OBTAIN A BULK WATER PERMIT OR PURCHASE AND INSTALL A WATER METER FOR ALL WATER USED DURING CONSTRUCTION. A COPY OF THIS PERMIT MUST BE CARRIED AT ALL TIMES BY ALL WHO USE WATER.
9. LINE FLUSHING OR ANY ACTIVITY USING A LARGE QUANTITY OF WATER MUST BE SCHEDULED WITH THE CITY OF ROUND ROCK INSPECTOR.
10. THE CONTRACTOR, AT HIS EXPENSE, SHALL PERFORM STERILIZATION OF ALL POTABLE WATER LINES CONSTRUCTED AND SHALL PROVIDE ALL EQUIPMENT (INCLUDING TEST GAUGES), SUPPLIES (INCLUDING CONCENTRATED CHLORINE DISINFECTING MATERIAL), AND NECESSARY LABOR REQUIRED FOR THE STERILIZATION PROCEDURE. THE STERILIZATION PROCEDURE SHALL BE MONITORED BY CITY OF ROUND ROCK PERSONNEL. WATER SAMPLES WILL BE COLLECTED BY THE CITY OF ROUND ROCK TO VERIFY EACH TREATED LINE HAS ATTAINED AN INITIAL CHLORINE CONCENTRATION OF 50 PPM. WHERE MEANS OF FLUSHING IS NECESSARY, THE CONTRACTOR, AT HIS EXPENSE, SHALL PROVIDE FLUSHING DEVICES AND REMOVE SAID DEVICES PRIOR TO FINAL ACCEPTANCE BY THE CITY OF ROUND ROCK.
11. SAMPLING TAPS SHALL BE BROUGHT UP TO 3 FEET ABOVE GRADE AND SHALL BE EASILY ACCESSIBLE FOR CITY PERSONNEL. AT THE CONTRACTOR'S REQUEST, AND IN HIS PRESENCE, SAMPLES FOR BACTERIOLOGICAL TESTING WILL BE COLLECTED BY THE CITY OF ROUND ROCK NOT LESS THAN 24 HOURS AFTER THE TREATED LINE HAS BEEN FLUSHED OF THE CONCENTRATED CHLORINE SOLUTION AND CHARGED WITH WATER APPROVED BY THE CITY. THE CONTRACTOR SHALL SUPPLY A CHECK OR MONEY ORDER, PAYABLE TO THE CITY OF ROUND ROCK, TO COVER THE FEE CHARGED FOR TESTING EACH WATER SAMPLE. CITY OF ROUND ROCK FEE AMOUNTS MAY BE OBTAINED BY CALLING THE CITY OF ROUND ROCK CIVIL INSPECTOR.
12. THE CONTRACTOR, AT HIS EXPENSE, SHALL PERFORM QUALITY TESTING FOR ALL WASTEWATER PIPE INSTALLED AND PRESSURE PIPE HYDROSTATIC TESTING OF ALL WATER LINES CONSTRUCTED AND SHALL PROVIDE ALL EQUIPMENT (INCLUDING PUMPS AND GAUGES), SUPPLIES AND LABOR NECESSARY TO PERFORM THE TESTS. QUALITY AND PRESSURE TESTING SHALL BE MONITORED BY CITY OF ROUND ROCK PERSONNEL.
13. THE CONTRACTOR SHALL COORDINATE TESTING WITH THE CITY OF ROUND ROCK CIVIL INSPECTOR AND PROVIDE NO LESS THAN 24 HOURS NOTICE PRIOR TO PERFORMING STERILIZATION, QUALITY TESTING OR PRESSURE TESTING.
14. THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES UNLESS AUTHORIZED BY THE CITY OF ROUND ROCK.
15. ALL VALVE BOXES AND COVERS SHALL BE CAST IRON.
16. ALL WATER SERVICE, WASTEWATER SERVICE AND VALVE LOCATIONS SHALL BE APPROPRIATELY MARKED "(THROUGH CHISELING AND PAINTING)" AS FOLLOWS:

WATER SERVICE	"W" ON TOP OF CURB
WASTEWATER SERVICE	"S" ON TOP OF CURB
VALVE	"V" ON FACE OF CURB

TOOLS FOR MARKING THE CURB SHALL BE PROVIDED BY THE CONTRACTOR. OTHER APPROPRIATE MEANS OF MARKING SERVICE AND VALVE LOCATIONS SHALL BE PROVIDED IN AREAS WITHOUT CURBS. SUCH MEANS OF MARKING SHALL BE AS SPECIFIED BY THE ENGINEER AND ACCEPTED BY THE CITY OF ROUND ROCK.

17. CONTACT THE CITY OF ROUND ROCK PLANNING AND DEVELOPMENT SERVICES DEPARTMENT AT 218-5555 FOR ASSISTANCE IN OBTAINING EXISTING WATER AND WASTEWATER LOCATIONS.
18. THE CITY OF ROUND ROCK FIRE DEPARTMENT SHALL BE NOTIFIED 48 HOURS PRIOR TO TESTING OF ANY BUILDING SPRINKLER PIPING IN ORDER THAT THE FIRE DEPARTMENT MAY MONITOR SUCH TESTING.
19. SAND, AS DESCRIBED IN SPECIFICATION ITEM 510 PIPE, SHALL NOT BE USED AS BEDDING FOR WATER AND WASTEWATER LINES. ACCEPTABLE BEDDING MATERIALS ARE PIPE BEDDING STONE, PEA GRAVEL AND IN LIEU OF SAND, A NATURALLY OCCURRING OR MANUFACTURED STONE MATERIAL CONFORMING TO ASTM C33 FOR STONE QUALITY AND MEETING THE FOLLOWING GRADATION SPECIFICATION.

SIEVE SIZE	PERCENT RETAINED BY WEIGHT
1/2"	0
3/8"	0-2
#4	40-85
#10	95-100

20. THE CONTRACTOR IS HEREBY NOTIFIED THAT CONNECTING TO, SHUTTING DOWN, OR TERMINATING EXISTING UTILITY LINES, MAY HAVE TO OCCUR AT OFF-PEAK HOURS. SUCH HOURS ARE USUALLY OUTSIDE NORMAL WORKING HOURS AND POSSIBLY BETWEEN 12 A.M. AND 6 A.M. "ANY WATER SHUTDOWN OR TIE-IN MUST BE SCHEDULED TEN (10) DAYS IN ADVANCE"
21. ALL WASTEWATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) REGULATIONS, 30 TAC CHAPTER 213 AND 290, AS APPLICABLE. WHENEVER TCEQ AND CITY OF ROUND ROCK SPECIFICATIONS CONFLICT, THE MORE STRINGENT SHALL APPLY.

TRAFFIC MARKING NOTES:

1. ANY METHODS, STREET MARKINGS AND SIGNAGE NECESSARY FOR WARNING MOTORISTS, WARNING PEDESTRIANS OR DIVERTING TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION.
2. ALL PAVEMENT MARKINGS, MARKERS, PAINT, TRAFFIC BUTTONS, TRAFFIC CONTROLS AND SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES AND, THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITIONS.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. EROSION CONTROL MEASURES, SITE WORK AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF ROUND ROCK EROSION AND SEDIMENTATION CONTROL ORDINANCE.
2. ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS, GRASS MIXTURES OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED.
3. SILT FENCES, ROCK BERMS, SEDIMENTATION BASINS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. SUCH INSTALLATION SHALL BE REGULARLY INSPECTED BY THE CITY OF ROUND ROCK FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CITY ENGINEER, THEY ARE WARRANTED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.
5. ALL MUD, DIRT, ROCKS, DEBRIS, ETC., SPILLED, TRACKED OR OTHERWISE DEPOSITED ON EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.
6. ONCE REVEGETATION REQUIREMENTS HAVE BEEN MET, ALL TEMPORARY SEDIMENT CONTROLS (E.G. SILT FENCE, ROCK BERMS, INLET PROTECTION, ETC.) SHALL BE REMOVED FROM THE SITE AND DISPOSED. ANY DISTURBED AREAS SHALL BE CLEANED OF DIRT AND DEBRIS AND PROPERLY RAKED AND GRADED.

TREE PROTECTION NOTES:

1. ALL TREES NOT LOCATED WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE OF DISTURBED AREAS SHALL BE PRESERVED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL TREES TO BE PRESERVED FROM HIS ACTIVITIES.
2. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING. SEE: TREE PROTECTION TREE WELLS (EC-06), TREE PROTECTION TREE LOCATION (EC-07) AND TREE PROTECTION FENCE-CHAIN LINK (EC-08).
3. TREE PROTECTION FENCES SHALL BE ERECTED ACCORDING TO CITY STANDARDS FOR TREE PROTECTION, INCLUDING TYPES OF FENCING AND SIGNAGE.
4. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
5. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIPLINES.
6. FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER; AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
   - 6.1. SOIL COMPACTION IN CRZ AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIAL.
   - 6.2. CRZ DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING NOT REVIEWED AND UTHORIZED BY THE FORESTRY MANAGER.
   - 6.3. WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS BY MECHANICAL EQUIPMENT
   - 6.4. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING, AND FIRES.
7. EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIPLINES OR CRZ, WHICHEVER IS GREATER, MAY BE PERMITTED IN THE FOLLOWING CASES:
   - 7.1. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, OR TREE WELL;
   - 7.2. HERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
   - 7.3. HERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING.
   - 7.4. HERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE FORESTRY MANAGER TO DISCUSS ALTERNATIVES.
8. HERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE TRUNK, THE TRUNK SHALL BE PROTECTED BY STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
9. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIPLINE OR CRZ, WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
10. ALL GRADING WITHIN CRZ AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
11. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
12. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT, IN A LOCATION AND TO A DEPTH APPROVED BY THE FORESTRY MANAGER, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
13. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES.
14. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, A PLASTIC VAPOR BARRIER SHALL BE PLACED BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE CRZ.
15. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
16. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.
17. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRUNING MUST BE DONE ACCORDING TO CITY STANDARDS AND AS OUTLINED IN LITERATURE PROVIDED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA PRUNING TECHNIQUES).
18. ALL OAK TREE CUTS, INTENTIONAL OR UNINTENTIONAL, SHALL BE SEALED WITH AN APPROVED PRUNING SEALER IMMEDIATELY (WITHIN 10 MINUTES). TREE PAINT MUST BE KEPT ON SITE AT ALL TIMES.
19. THE FORESTRY MANAGER HAS THE AUTHORITY TO REQUIRE ADDITIONAL TREE PROTECTION BEFORE OR DURING CONSTRUCTION.
20. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED. REFER TO THE CITY OF ROUND ROUND ROCK TREE TECHNICAL MANUAL FOR APPROPRIATE REMOVAL METHODS.
21. PRIOR TO CONSTRUCTION, ALL LOWER TREE LIMBS OVER ROADWAYS MUST BE PRUNED TO A HEIGHT OF 14 FEET USING THE TECHNIQUES DESCRIBED IN THE CITY OF ROUND ROCK TREE TECHNICAL MANUAL.
22. DEVIATIONS FROM THE ABOVE REQUIREMENTS AND NEGLIGENT DAMAGE TO TREES MAY BE CONSIDERED AS ORDINANCE VIOLATIONS.

SEQUENCE OF CONSTRUCTION:

A. INSTALL EROSION CONTROLS AS INDICATED ON APPROVED SITE PLAN.

B. INSTALL TREE PROTECTION AS NOTED ON APPROVED SITE PLAN.

C. SCHEDULE PRE CONSTRUCTION MEETING WITH THE CITY OF ROUND ROCK INSPECTION DEPT., CONTRACTOR, UTILITY CONTRACTOR, AND ENGINEER. 218-6607.

D. EVALUATION OF TEMPORARY EROSION CONTROL INSTALLATION. REVIEW CONSTRUCTION SCHEDULE AND THE EROSION CONTROL PLAN.

E. BEGIN SITE CLEARING.

F. INSTALL TEMPORARY SEDIMENTATION PONDS AND ROUGH GRADE SITE. INSPECT AND MAINTAIN ALL CONTROLS AS PER GENERAL NOTES.

G. CONSTRUCT SITE UTILITIES.

H. MID-CONSTRUCTION ON-SITE MEETING TO COORDINATE CHANGES IN CONSTRUCTION SCHEDULE AND EVALUATE EFFECTIVENESS OF EROSION CONTROL PLAN (CITY INSPECTOR, PROJECT ENGINEER, GENERAL CONTRACTOR).

I. CONSTRUCT PAVING, PARKING AND BUILDINGS.

J. COMPLETE CONSTRUCTION AND INSTALL LANDSCAPING.

K. PROVIDE AS-BUILTS TO ENGINEER.

L. REVEGETATE DISTURBED AREAS OR COMPLETE A DEVELOPERS CONTRACT FOR THE RE-VEGETATION ALONG WITH THE ENGINEERS CONCURRENCE LETTER.

M. PROJECT ENGINEER INSPECTS JOB AND WRITES CONCURRENCE LETTER TO THE CITY, FINAL INSPECTION IS SCHEDULED UPON RECEIPT OF THE LETTER

N. RECEIVE CITY CLEARANCE FOR OCCUPANCY.

O. REMOVE TEMPORARY EROSION/SEDIMENTATION CONTROLS.

TCEQ WPAP NOTES

(REV. 7/15/15)
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER POLLUTION ABATEMENT PLAN
GENERAL CONSTRUCTION NOTES

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
   - THE NAME OF THE APPROVED PROJECT;
   - THE ACTIVITY START DATE; AND
   - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
3. IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SINK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE APPROPRIATE PROTECTIVE MEASURES IN ORDER TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
4. NO TEMPORARY OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
5. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
6. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
7. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN TCEQ-0592 WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
9. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
10. IF PORTIONS OF THE SITE WILL HAVE A TEMPORARY OR PERMANENT CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
11. THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
   - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
   - THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND
   - THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
12. THE HOLDER OF ANY APPROVED EDWARD AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
   A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
   B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;
   C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

AUSTIN REGIONAL OFFICE 12100 PARK 35 CIRCLE, BLDG. A AUSTIN, TEXAS 78753 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

SUMMARY TABLES

FIRE HYDRANTS		
TOTAL		BRAND
1	EA.	

VALVES		
SIZE	TOTAL	BRAND
6	1	
8"	2	

CURB AND GUTTER	
TOTAL	40
	LF

PIPE SIZE	WATER		
	TYPE	LENGTH (LF)	VOL (GAL)
0'-2"	BLACK POLY	16.5500	
0'-6"	DI	22.1800	
0'-8"	C900	140.9700	

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STATE OF TEXAS
TERRY R. HAGOOD
52960
REGISTERED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TERRY R. HAGOOD, P.E. 52960
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DATE SIGNED: 6/23/2023
ISSUED FOR: AGENCY REVIEW

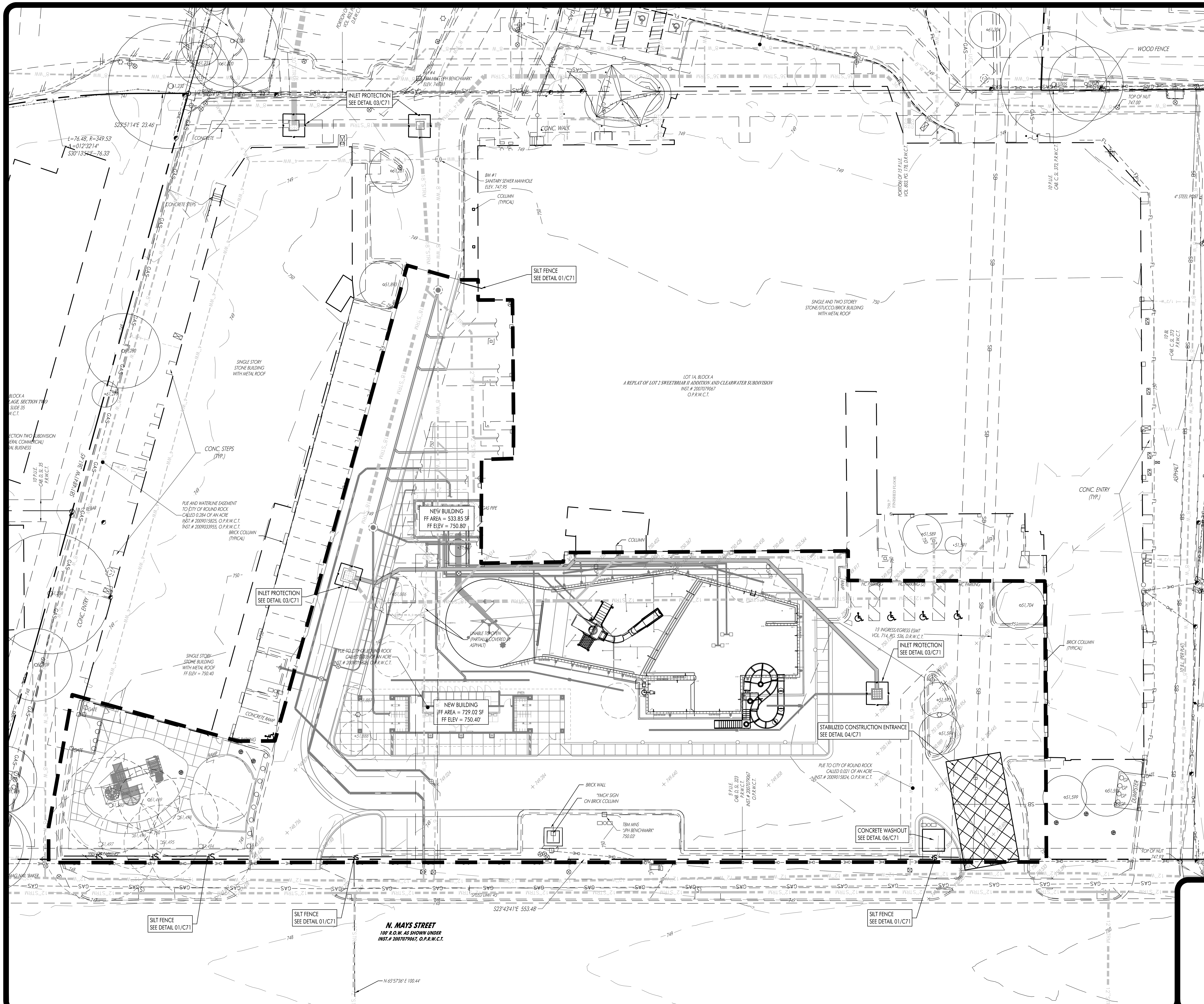
SITE DEVELOPMENT PLANS FOR CHASCO FAMILY YMCA OUTDOOR AQUATICS 1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

NO.	DATE	DESCRIPTION	REVISIONS

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

GENERAL NOTES

SHEET NO.
C00
10



LEGEND

●	○	IRON ROD FOUND/SET
■	□	CONCRETE MONUMENT FOUND/SET
▲	△	NAIL FOUND/SET
◉		PIPE FOUND
		STORMWATER MANHOLE (DRAWN TO SCALE)
		JUNCTION BOX (DRAWN TO SCALE)
		GRATE INLET (DRAWN TO SCALE)
		WASTEWATER MANHOLE (DRAWN TO SCALE)
EX. CO		WASTEWATER CLEANOUT
		GAS TEST STATION
		GAS METER
		ELECTRIC METER
		LIGHT POLE
		SIGNAL LIGHT POLE
		UTILITY POLE
		TELEPHONE MANHOLE
EX. FH		FIRE HYDRANT
EX. WV	⊗	GATE VALVE
EX. ICV		IRRIGATION CONTROL VALVE
		WATER METER
100 / 99		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 WIRE FENCE
		EXISTING WOOD FENCE
SB		SETBACK LINE
		EASEMENT LINE
		EXISTING ASPHALT
OHE		EXISTING OVERHEAD ELECTRIC LINE
UGE		EXISTING UNDERGROUND ELECTRIC LINE
OHT		EXISTING OVERHEAD TELEPHONE LINE
UGT		EXISTING UNDERGROUND TELEPHONE LINE
W		EXISTING WATER LINE (SIZE VARIES)
WW		EXISTING WASTEWATER LINE (SIZE VARIES)
FM		EXISTING FORCE MAIN (SIZE VARIES)
FOC		EXISTING FIBER OPTIC LINE
GAS		EXISTING GAS LINE (SIZE VARIES)
		BENCHMARK LOCATION
		EXISTING TREE TO REMAIN (SIZE VARIES)
		EXISTING TREE TO BE REMOVED (SIZE VARIES)
		MONARCH/HERITAGE TREE (SIZE VARIES)
7		PARKING COUNT
		PARCEL LINES
HC		HANDICAP ACCESS LINES
		CONCRETE PAVING
		ASPHALT PAVING
		CONCRETE SIDEWALK
		CONCRETE WASHOUT
		STABILIZED CONSTRUCTION ENTRANCE
SF		SILT FENCE
RB		ROCK BERM
IP		INLET PROTECTION
TP		TREE PROTECTION
MS		MULCH SOCK
		LIMITS OF CONSTRUCTION

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1801 N. INTERSTATE HIGHWAY 35
ROUND ROCK, TEXAS 78665

REVISIONS

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EROSION SEDIMENTATION CONTROLS

SHEET NO.
C10
11

CUT EXISTING 8" WASTEWATER

CUT EXISTING 6" WATER

EXISTING CURB AND GUTTER TO BE DEMOLISHED

EXISTING VALVES TO BE SALVAGED FOR REUSE

EXISTING FIRE HYDRANT TO BE SALVAGED FOR REUSE

EXISTING CURB AND GUTTER TO BE DEMOLISHED

EXISTING ASPHALT AND BASE TO BE REMOVED

EXISTING CURB AND GUTTER TO BE DEMOLISHED

EXISTING PLAYSCAPE PAVING TO BE DEMOLISHED

REMOVE EXISTING 8" WATER

CUT EXISTING 8" WATER

REMOVE EXISTING 6" WATER

CUT EXISTING 6" WATER

EXISTING CURB AND GUTTER TO BE DEMOLISHED

EXISTING FENCE TO BE DEMOLISHED

EXISTING CURB AND GUTTER TO BE DEMOLISHED

N. MAYS STREET
100' R.O.W. AS SHOWN UNDER INST.# 2007079067, O.P.R.W.C.T.

0 20 40
SCALE: 1"=20'

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- 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 WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING WATER LINE (SIZE VARIES)
- EXISTING WASTEWATER LINE (SIZE VARIES)
- EXISTING FORCE MAIN (SIZE VARIES)
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- (7) PARKING COUNT
- PARCEL LINES
- HC — HANDICAP ACCESS LINES

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NO.	DATE	DESCRIPTION

REVISIONS

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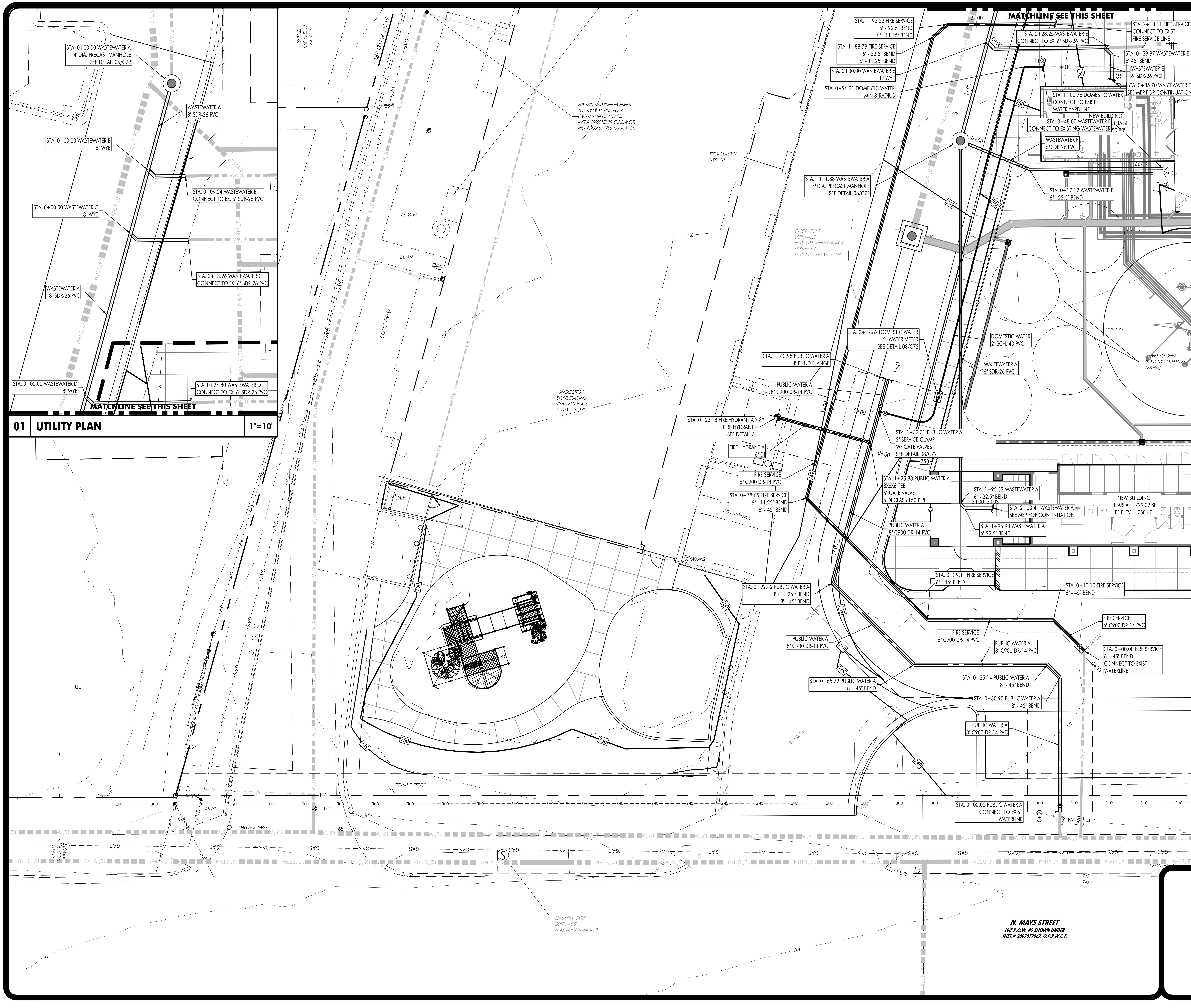
DEMOLITION PLAN

SHEET NO.
C11
12
....



SCALE: 1"=10' (0, 10, 20)

LEGEND

- ● ○ IRON ROD FOUND/SET
- ■ □ CONCRETE MONUMENT FOUND/SET
- ▲ △ NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- 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 WIRE FENCE
- EXISTING WOOD FENCE
- SB — SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- OHE — EXISTING OVERHEAD ELECTRIC LINE
- UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OHT — EXISTING OVERHEAD TELEPHONE LINE
- UGT — EXISTING UNDERGROUND TELEPHONE LINE
- W — EXISTING WATER LINE (SIZE VARIES)
- WW — EXISTING WASTEWATER LINE (SIZE VARIES)
- FM — EXISTING FORCE MAIN (SIZE VARIES)
- FOC — EXISTING FIBER OPTIC LINE
- GAS — EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- 7 PARKING COUNT
- PARCEL LINES
- HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
- STABILIZED CONSTRUCTION ENTRANCE
- SF — SILT FENCE
- RB — ROCK BERM
- IP — INLET PROTECTION
- TP — TREE PROTECTION
- MS — MULCH SOCK
- ■ ■ ■ ■ LIMITS OF CONSTRUCTION

NOTES:

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ALL EXISTING GROUND LEVEL APPURTENANCES ARE SUBJECT TO ELEVATION CHANGES AND SHALL BE ADJUSTED TO FINAL GRADE.
3. ALL WASTEWATER MANHOLES SHALL BE COATED AND VACUUM TESTED.
4. MANHOLES OUTSIDE OF PAVEMENT SHALL HAVE BOLTED COVERS.
5. ALL GRAVITY WASTEWATER LINES ARE TO BE CONSTRUCTED OF SDR-26.
6. ALL NON-CITY INFRASTRUCTURE INCLUDING GAS, ELECTRIC CABLE, AND TELECOMMUNICATIONS SHALL TRAVERSE UNDERNEATH CITY INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO WATERLINES, WASTEWATER LINES, AND STORM SEWERS, WITH A MINIMUM OUTSIDE-TO-OUTSIDE CLEARANCE OF 18" WHERE NON-CITY INFRASTRUCTURE WOULD HAVE TO BE PLACED AT A DEPTH OF 8' OR GREATER TO MEET THE PRECEDING REQUIREMENT, TRAVERSING ABOVE CITY INFRASTRUCTURE MAY BE ALLOWED, SUBJECT TO THE APPROVAL OF THE CITY ENGINEER, BUT ONLY IN CONFORMANCE WITH CROSS-SECTIONS, PROFILES, AND / OR OTHER DETAILED INFORMATION INCORPORATED IN THESE PLANS.
7. CONTRACTOR TO STAKEOUT WATERLINE EASEMENT PRIOR TO THE INSTALLATION OF THE WATERLINE, FOR INSTALLATION ACCURACY.
8. FOR ALL POINTS WHERE A WASTEWATER GRAVITY OR FORCE MAIN LINE CROSSES UNDER A PUBLIC WATER SUPPLY OR WATER SERVICE:
   - 8.1. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET FROM OUTSIDE DIAMETERS OF PIPES;
   - 8.2. WASTEWATER PIPE WITH A MINIMUM PRESSURE RATING OF 150 PSI;
   - 8.3. ONE SEGMENT OF WATER LINE SHALL BE CENTERED ON CROSSING.
9. FOR ALL POINTS WHERE A WASTEWATER GRAVITY OR FORCE MAIN LINE CROSSES OVER A PUBLIC WATER SUPPLY OR WATER SERVICE:
   - 9.1. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET FROM OUTSIDE DIAMETERS OF PIPE;
   - 9.2. WATER SHALL BE PLACED IN AN ENCASEMENT CENTERED ON THE CROSSING, SEALED AT BOTH ENDS WITH CEMENT GROUT OR MANUFACTURED SEAL, AT LEAST TWO NOMINAL SIZES LARGER, AND SUPPORTED BY SPACERS AT 5' INTERVALS;
   - 9.3. ONE SEGMENT OF WATERLINE SHALL BE CENTERED ON CROSSING.
10. FOR WASTEWATER OR FORCE MAIN LINES THAT PARALLEL PUBLIC WATER OR WATER SERVICES:
    - 10.1. SEPARATION MUST BE AT LEAST NINE FEET FROM OUTSIDE DIAMETERS OF PIPE IN ANY DIRECTION;
11. ALL WATER LINE FITTINGS SHALL BE RESTRAINED AND THRUST BLOCKED.
12. UNLESS OTHERWISE SPECIFIED, ALL WATER MAINS SHALL BE CONSTRUCTED OF C900 DR-14 PVC.
13. PROVIDE 3' CLEAR AREA AROUND FIRE HYDRANTS.
14. ALL FIRE SERVICE LEADS SHALL BE DUCTILE IRON.
15. VALVES SHALL BE AMERICAN DARLING BRAND.
16. FIRE HYDRANTS SHALL BE AMERICAN DARLING BRAND.
17. CONTRACTOR SHALL PATCH ALL PAVEMENT PER DETAIL VIEWNUMBER/SHEETTITLE.

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REVISIONS

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HEA PROJECT NO.22-034
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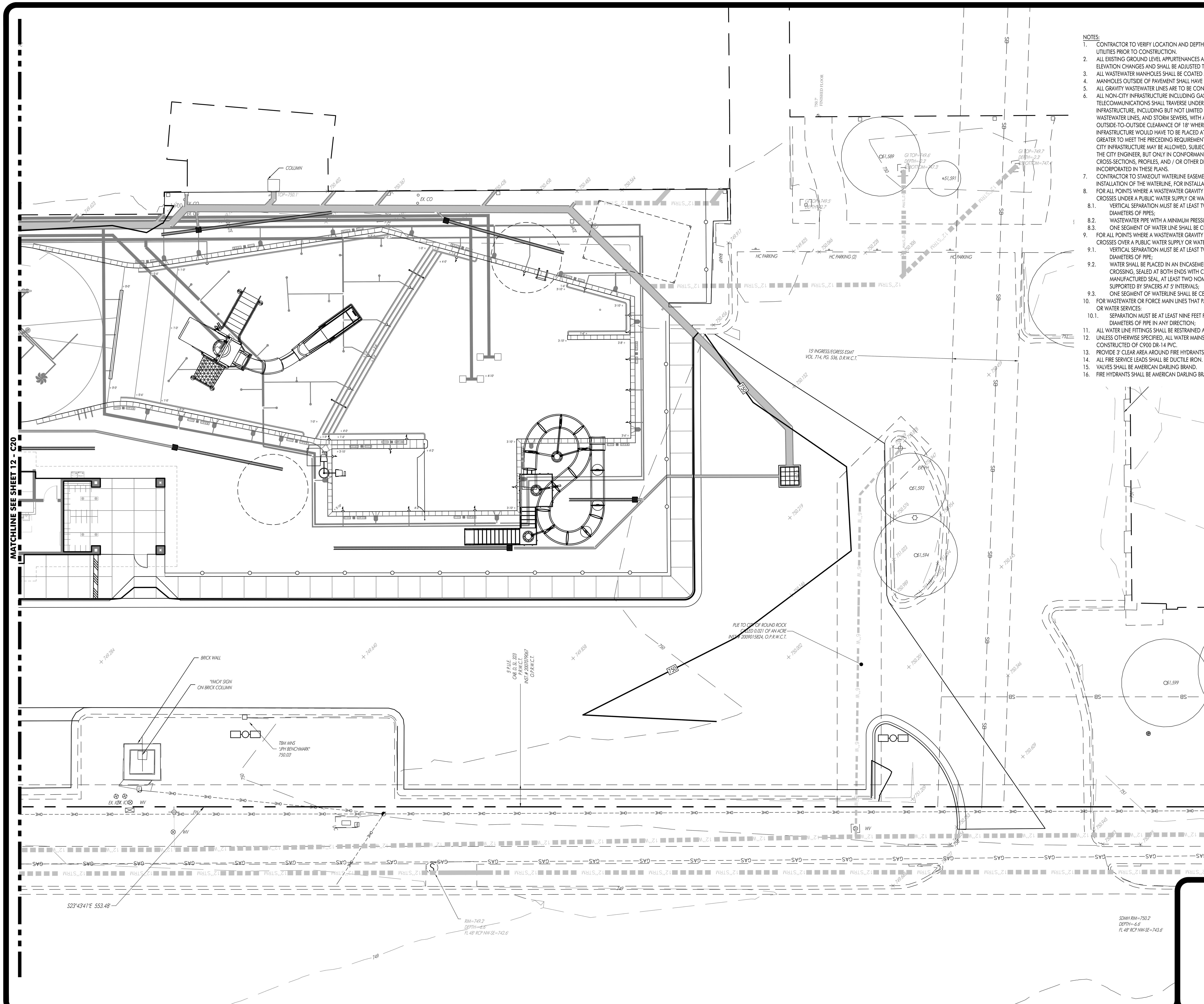
UTILITY PLAN

SHEET NO.
C20
13



NOTES:

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ALL EXISTING GROUND LEVEL APPURTENANCES ARE SUBJECT TO ELEVATION CHANGES AND SHALL BE ADJUSTED TO FINAL GRADE.
3. ALL WASTEWATER MANHOLES SHALL BE COATED AND VACUUM TESTED.
4. MANHOLES OUTSIDE OF PAVEMENT SHALL HAVE BOLTED COVERS.
5. ALL GRAVITY WASTEWATER LINES ARE TO BE CONSTRUCTED OF SDR-26.
6. ALL NON-CITY INFRASTRUCTURE INCLUDING GAS, ELECTRIC CABLE, AND TELECOMMUNICATIONS SHALL TRAVERSE UNDERNEATH CITY INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO WATERLINES, WASTEWATER LINES, AND STORM SEWERS, WITH A MINIMUM OUTSIDE-TO-OUTSIDE CLEARANCE OF 18" WHERE NON-CITY INFRASTRUCTURE WOULD HAVE TO BE PLACED AT A DEPTH OF 8' OR GREATER TO MEET THE PRECEDING REQUIREMENT, TRAVERSING ABOVE CITY INFRASTRUCTURE MAY BE ALLOWED, SUBJECT TO THE APPROVAL OF THE CITY ENGINEER, BUT ONLY IN CONFORMANCE WITH CROSS-SECTIONS, PROFILES, AND / OR OTHER DETAILED INFORMATION INCORPORATED IN THESE PLANS.
7. CONTRACTOR TO STAKEOUT WATERLINE EASEMENT PRIOR TO THE INSTALLATION OF THE WATERLINE, FOR INSTALLATION ACCURACY.
8. FOR ALL POINTS WHERE A WASTEWATER GRAVITY OR FORCE MAIN LINE CROSSES UNDER A PUBLIC WATER SUPPLY OR WATER SERVICE:
   - 8.1. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET FROM OUTSIDE DIAMETERS OF PIPES;
   - 8.2. WASTEWATER PIPE WITH A MINIMUM PRESSURE RATING OF 150 PSI;
   - 8.3. ONE SEGMENT OF WATER LINE SHALL BE CENTERED ON CROSSING.
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    - 10.1. SEPARATION MUST BE AT LEAST NINE FEET FROM OUTSIDE DIAMETERS OF PIPE IN ANY DIRECTION;
11. ALL WATER LINE FITTINGS SHALL BE RESTRAINED AND THRUST BLOCKED.
12. UNLESS OTHERWISE SPECIFIED, ALL WATER MAINS SHALL BE CONSTRUCTED OF C900 DR-14 PVC.
13. PROVIDE 3' CLEAR AREA AROUND FIRE HYDRANTS.
14. ALL FIRE SERVICE LEADS SHALL BE DUCTILE IRON.
15. VALVES SHALL BE AMERICAN DARLING BRAND.
16. FIRE HYDRANTS SHALL BE AMERICAN DARLING BRAND.

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- EX. CO — WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- EX. FH — FIRE HYDRANT
- EX. WV — GATE VALVE
- EX. ICV — IRRIGATION CONTROL VALVE
- WATER METER
- 100 / 99 — EXISTING CONTOURS
- 100 — PROPOSED CONTOUR
- PROPOSED CURB AND GUTTER
- PROPOSED ASPHALT
- X" GAS LINE — PROPOSED X" DIA. GAS LINE
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- 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
- SB — SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- W — EXISTING WATER LINE (SIZE VARIES)
- EXISTING WASTEWATER LINE (SIZE VARIES)
- EXISTING FORCE MAIN (SIZE VARIES)
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- 7 — PARKING COUNT
- PARCEL LINES
- HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
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REVISIONS

NO.	DATE	DESCRIPTION

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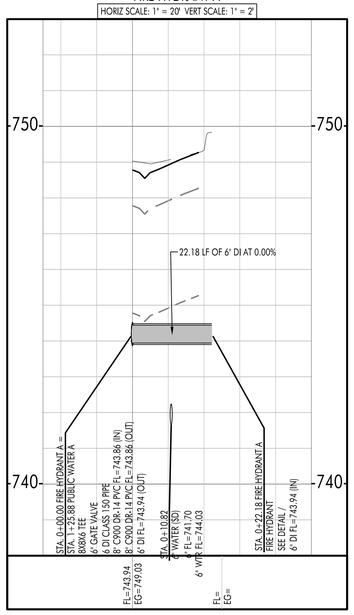
UTILITY PLAN

SHEET NO.
C21
14

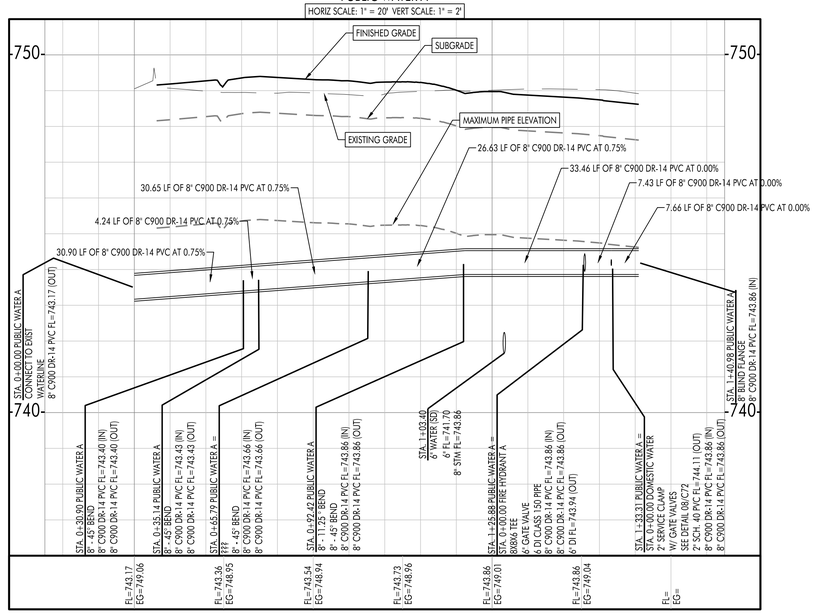
FIRE HYDRANT A

HORIZ SCALE: 1" = 20' VERT SCALE: 1" = 2'



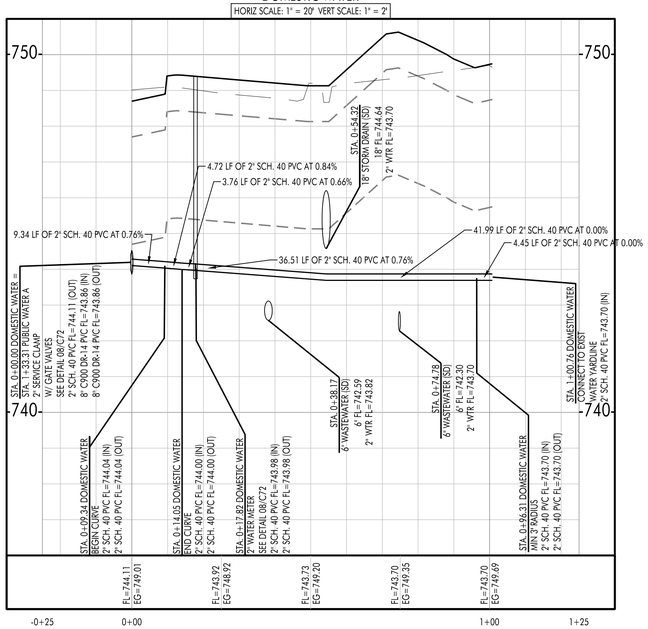
PUBLIC WATER A

HORIZ SCALE: 1" = 20' VERT SCALE: 1" = 2'



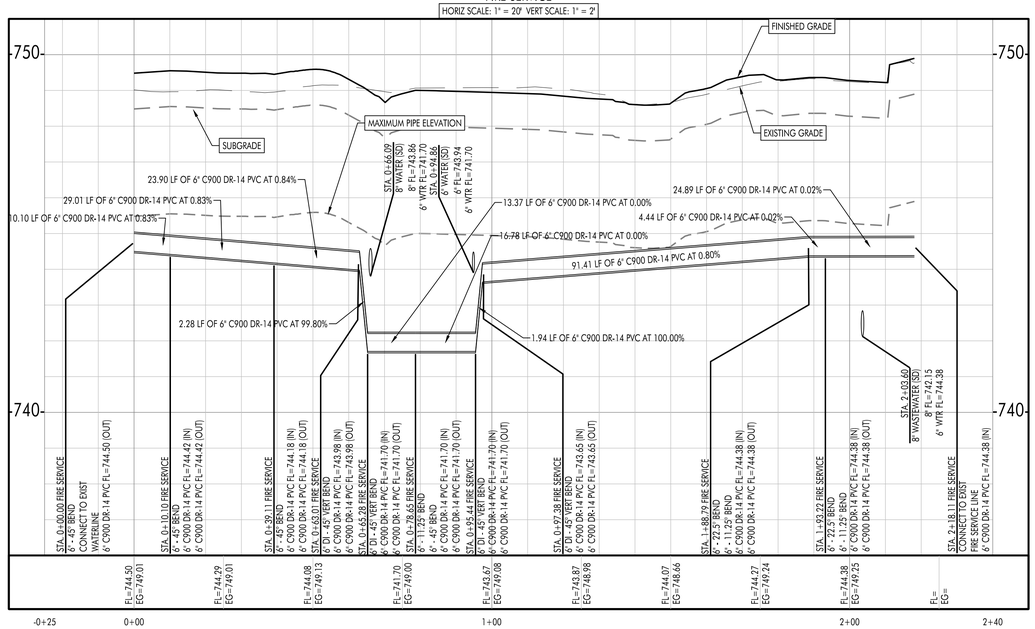
DOMESTIC WATER

HORIZ SCALE: 1" = 20' VERT SCALE: 1" = 2'



FIRE SERVICE

HORIZ SCALE: 1" = 20' VERT SCALE: 1" = 2'



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3. ALL WASTEWATER MANHOLES SHALL BE COATED AND VACUUM TESTED.
4. MANHOLES OUTSIDE OF PAVEMENT SHALL HAVE BOLTED COVERS.
5. ALL GRAVITY WASTEWATER LINES ARE TO BE CONSTRUCTED OF SDR-26.
6. ALL NON-CITY INFRASTRUCTURE INCLUDING GAS, ELECTRIC CABLE, AND TELECOMMUNICATIONS SHALL TRAVERSE UNDERNEATH CITY INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO WATERLINES, WASTEWATER LINES, AND STORM SEWERS, WITH A MINIMUM OUTSIDE-TO-OUTSIDE CLEARANCE OF 18" WHERE NON-CITY INFRASTRUCTURE WOULD HAVE TO BE PLACED AT A DEPTH OF 8' OR GREATER TO MEET THE PRECEDING REQUIREMENT, TRAVERSING ABOVE CITY INFRASTRUCTURE MAY BE ALLOWED, SUBJECT TO THE APPROVAL OF THE CITY ENGINEER, BUT ONLY IN CONFORMANCE WITH CROSS-SECTIONS, PROFILES, AND / OR OTHER DETAILED INFORMATION INCORPORATED IN THESE PLANS.
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   - 8.1. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET FROM OUTSIDE DIAMETERS OF PIPES;
   - 8.2. WASTEWATER PIPE WITH A MINIMUM PRESSURE RATING OF 150 PSI;
   - 8.3. ONE SEGMENT OF WATER LINE SHALL BE CENTERED ON CROSSING.
9. FOR ALL POINTS WHERE A WASTEWATER GRAVITY OR FORCE MAIN LINE CROSSES OVER A PUBLIC WATER SUPPLY OR WATER SERVICE:
   - 9.1. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET FROM OUTSIDE DIAMETERS OF PIPE;
   - 9.2. WATER SHALL BE PLACED IN AN ENCASEMENT CENTERED ON THE CROSSING, SEALED AT BOTH ENDS WITH CEMENT GROUT OR MANUFACTURED SEAL, AT LEAST TWO NOMINAL SIZES LARGER, AND SUPPORTED BY SPACERS AT 5' INTERVALS;
   - 9.3. ONE SEGMENT OF WATERLINE SHALL BE CENTERED ON CROSSING.
10. FOR WASTEWATER OR FORCE MAIN LINES THAT PARALLEL PUBLIC WATER OR WATER SERVICES:
    - 10.1. SEPARATION MUST BE AT LEAST NINE FEET FROM OUTSIDE DIAMETERS OF PIPE IN ANY DIRECTION;
11. ALL WATER LINE FITTINGS SHALL BE RESTRAINED AND THRUST BLOCKED.
12. UNLESS OTHERWISE SPECIFIED, ALL WATER MAINS SHALL BE CONSTRUCTED OF C900 DR-14 PVC.
13. PROVIDE 3' CLEAR AREA AROUND FIRE HYDRANTS.
14. ALL FIRE SERVICE LEADS SHALL BE DUCTILE IRON.
15. VALVES SHALL BE AMERICAN DARLING BRAND.
16. FIRE HYDRANTS SHALL BE AMERICAN DARLING BRAND.
17. CONTRACTOR SHALL PATCH ALL PAVEMENT PER DETAIL VIEWNUMBER/SHEETTITLE.

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JOB NO. 22-034 © 2023 HEA, Inc.
DATE SIGNED: 6/23/2023
ISSUED FOR: AGENCY REVIEW

SITE DEVELOPMENT PLANS FOR CHASCO FAMILY YMCA OUTDOOR AQUATICS
1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

REVISIONS

NO.	DATE	DESCRIPTION

HEA PROJECT NO. 22-034
ISSUED DATE: 6/23/2023

WATER PROFILES

SHEET NO.
C22
15
....

NOTES:

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ALL EXISTING GROUND LEVEL APPURTENANCES ARE SUBJECT TO ELEVATION CHANGES AND SHALL BE ADJUSTED TO FINAL GRADE.
3. ALL WASTEWATER MANHOLES SHALL BE COATED AND VACUUM TESTED.
4. MANHOLES OUTSIDE OF PAVEMENT SHALL HAVE BOLTED COVERS.
5. ALL GRAVITY WASTEWATER LINES ARE TO BE CONSTRUCTED OF SDR-26.
6. ALL NON-CITY INFRASTRUCTURE INCLUDING GAS, ELECTRIC CABLE, AND TELECOMMUNICATIONS SHALL TRAVERSE UNDERNEATH CITY INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO WATERLINES, WASTEWATER LINES, AND STORM SEWERS, WITH A MINIMUM OUTSIDE-TO-OUTSIDE CLEARANCE OF 18" WHERE NON-CITY INFRASTRUCTURE WOULD HAVE TO BE PLACED AT A DEPTH OF 8' OR GREATER TO MEET THE PRECEDING REQUIREMENT, TRAVERSING ABOVE CITY INFRASTRUCTURE MAY BE ALLOWED, SUBJECT TO THE APPROVAL OF THE CITY ENGINEER, BUT ONLY IN CONFORMANCE WITH CROSS-SECTIONS, PROFILES, AND / OR OTHER DETAILED INFORMATION INCORPORATED IN THESE PLANS.
7. CONTRACTOR TO STAKEOUT WATERLINE EASEMENT PRIOR TO THE INSTALLATION OF THE WATERLINE, FOR INSTALLATION ACCURACY.
8. FOR ALL POINTS WHERE A WASTEWATER GRAVITY OR FORCE MAIN LINE CROSSES UNDER A PUBLIC WATER SUPPLY OR WATER SERVICE:
   - 8.1. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET FROM OUTSIDE DIAMETERS OF PIPES;
   - 8.2. WASTEWATER PIPE WITH A MINIMUM PRESSURE RATING OF 150 PSI;
   - 8.3. ONE SEGMENT OF WATER LINE SHALL BE CENTERED ON CROSSING.
9. FOR ALL POINTS WHERE A WASTEWATER GRAVITY OR FORCE MAIN LINE CROSSES OVER A PUBLIC WATER SUPPLY OR WATER SERVICE:
   - 9.1. VERTICAL SEPARATION MUST BE AT LEAST TWO FEET FROM OUTSIDE DIAMETERS OF PIPE;
   - 9.2. WATER SHALL BE PLACED IN AN ENCASEMENT CENTERED ON THE CROSSING, SEALED AT BOTH ENDS WITH CEMENT GROUT OR MANUFACTURED SEAL, AT LEAST TWO NOMINAL SIZES LARGER, AND SUPPORTED BY SPACERS AT 5' INTERVALS;
   - 9.3. ONE SEGMENT OF WATERLINE SHALL BE CENTERED ON CROSSING.
10. FOR WASTEWATER OR FORCE MAIN LINES THAT PARALLEL PUBLIC WATER OR WATER SERVICES:
   - 10.1. SEPARATION MUST BE AT LEAST NINE FEET FROM OUTSIDE DIAMETERS OF PIPE IN ANY DIRECTION;
11. ALL WATER LINE FITTINGS SHALL BE RESTRAINED AND THRUST BLOCKED.
12. UNLESS OTHERWISE SPECIFIED, ALL WATER MAINS SHALL BE CONSTRUCTED OF C900 DR-14 PVC.
13. PROVIDE 3' CLEAR AREA AROUND FIRE HYDRANTS.
14. ALL FIRE SERVICE LEADS SHALL BE DUCTILE IRON.
15. VALVES SHALL BE AMERICAN DARLING BRAND.
16. FIRE HYDRANTS SHALL BE AMERICAN DARLING BRAND.
17. CONTRACTOR SHALL PATCH ALL PAVEMENT PER DETAIL VIEWNUMBER/SHEETTITLE.

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WASTEWATER PROFILES

SHEET NO.
C23
16
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0 10 20
SCALE: 1"=10'

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- 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 WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- OHE — EXISTING OVERHEAD ELECTRIC LINE
- UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OHT — EXISTING OVERHEAD TELEPHONE LINE
- UGT — EXISTING UNDERGROUND TELEPHONE LINE
- W — EXISTING WATER LINE (SIZE VARIES)
- WW — EXISTING WASTEWATER LINE (SIZE VARIES)
- FM — EXISTING FORCE MAIN (SIZE VARIES)
- FOC — EXISTING FIBER OPTIC LINE
- GAS — EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- (7) PARKING COUNT
- PARCEL LINES
- HC — HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
- STABILIZED CONSTRUCTION ENTRANCE
- SF — SILT FENCE
- RB — ROCK BERM
- IP — INLET PROTECTION
- TP — TREE PROTECTION
- MS — MULCH SOCK
- LIMITS OF CONSTRUCTION

NOTES:
1. ALL STORM SEWER WYES, BENDS AND PIPE SIZE TRANSITIONS SHALL BE PREFABRICATED AND FREE FROM DEFECTS.

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NO.	DATE	DESCRIPTION

REVISIONS

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

DRAINAGE PLAN

SHEET NO.
C30
17
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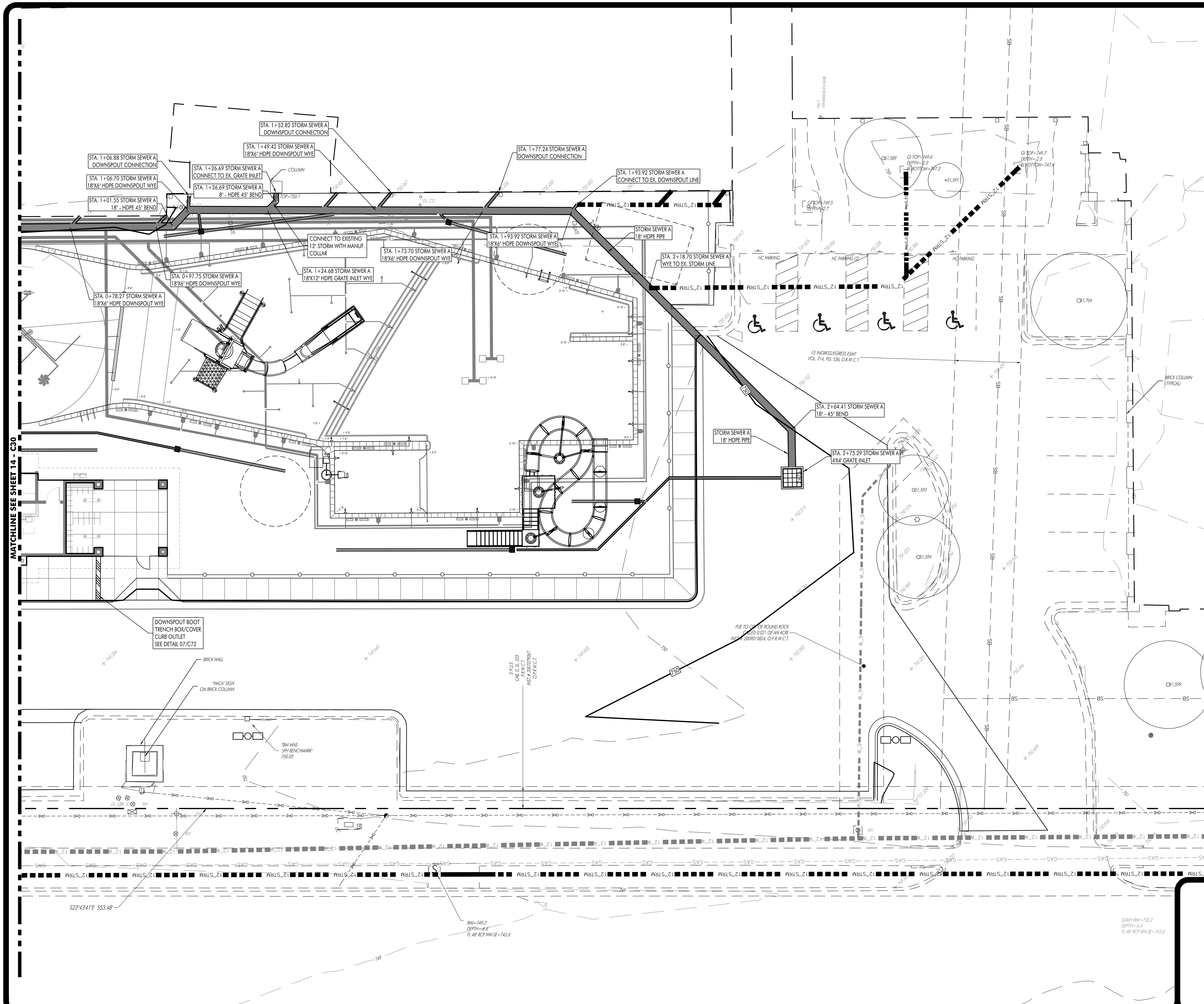

SCALE:1"=10'

LEGEND

●	○	IRON ROD FOUND/SET
■	□	CONCRETE MONUMENT FOUND/SET
▲	△	NAIL FOUND/SET
⊙		PIPE FOUND
		STORMWATER MANHOLE (DRAWN TO SCALE)
		JUNCTION BOX (DRAWN TO SCALE)
		GRATE INLET (DRAWN TO SCALE)
		WASTEWATER MANHOLE (DRAWN TO SCALE)
EX. CO		WASTEWATER CLEANOUT
		GAS TEST STATION
		GAS METER
		ELECTRIC METER
		LIGHT POLE
		SIGNAL LIGHT POLE
		UTILITY POLE
		TELEPHONE MANHOLE
EX. FH		FIRE HYDRANT
EX. WV	⊗	GATE VALVE
EX. ICV		IRRIGATION CONTROL VALVE
		WATER METER
100 99		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 WIRE FENCE
		EXISTING WOOD FENCE
SB		SETBACK LINE
		EASEMENT LINE
		EXISTING ASPHALT
		EXISTING OVERHEAD ELECTRIC LINE
		EXISTING UNDERGROUND ELECTRIC LINE
		EXISTING OVERHEAD TELEPHONE LINE
		EXISTING UNDERGROUND TELEPHONE LINE
W		EXISTING WATER LINE (SIZE VARIES)
		EXISTING WASTEWATER LINE (SIZE VARIES)
		EXISTING FORCE MAIN (SIZE VARIES)
		EXISTING FIBER OPTIC LINE
		EXISTING GAS LINE (SIZE VARIES)
		BENCHMARK LOCATION
		EXISTING TREE TO REMAIN (SIZE VARIES)
		EXISTING TREE TO BE REMOVED (SIZE VARIES)
		MONARCH/HERITAGE TREE (SIZE VARIES)
7		PARKING COUNT
		PARCEL LINES
		HANDICAP ACCESS LINES
		CONCRETE PAVING
		ASPHALT PAVING
		CONCRETE SIDEWALK
		CONCRETE WASHOUT
		STABILIZED CONSTRUCTION ENTRANCE
		SILT FENCE
		ROCK BERM
		INLET PROTECTION
		TREE PROTECTION
		MULCH SOCK
		LIMITS OF CONSTRUCTION

NOTES:
1. ALL STORM SEWER WYES, BENDS AND PIPE SIZE TRANSITIONS SHALL BE PREFABRICATED AND FREE FROM DEFECTS.

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REVISIONS

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HEA PROJECT NO.22-034
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DRAINAGE PLAN

SHEET NO.
C31
18

NOTES:
1. ALL STORM SEWER WYES, BENDS AND PIPE SIZE TRANSITIONS SHALL BE PREFABRICATED AND FREE FROM DEFECTS.

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1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

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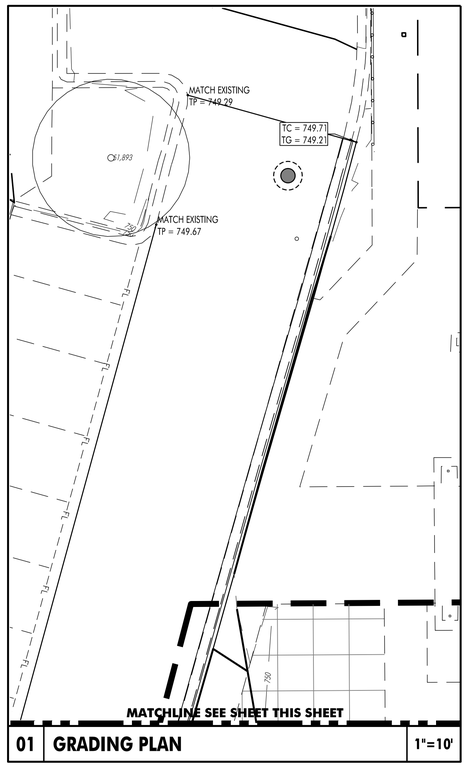
HEA PROJECT NO. 22-034
ISSUED DATE: 6/23/2023

DRAINAGE AND WASTEWATER PROFILES

SHEET NO.
C32
19



01 **GRADING PLAN** 1"=10'

SCALE: 1"=10'

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- PROPOSED CONTOUR
- PROPOSED CURB AND GUTTER
- PROPOSED ASPHALT
- PROPOSED X" DIA. GAS LINE
- PROPOSED X" DIA. STORM SEWER LINE
- PROPOSED X" DIA. WASTEWATER LINE
- PROPOSED X" DIA. WATER LINE
- EXISTING CHAIN LINK FENCE
- EXISTING WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING WATER LINE (SIZE VARIES)
- EXISTING WASTEWATER LINE (SIZE VARIES)
- EXISTING FORCE MAIN (SIZE VARIES)
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- PARKING COUNT
- PARCEL LINES
- HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
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REVISIONS

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GRADING PLAN

SHEET NO.
C40
20
---

0 10 20
SCALE:1"=10'

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- PROPOSED CONTOUR
- PROPOSED CURB AND GUTTER
- PROPOSED ASPHALT
- PROPOSED X" DIA. GAS LINE
- PROPOSED X" DIA. STORM SEWER LINE
- PROPOSED X" DIA. WASTEWATER LINE
- PROPOSED X" DIA. WATER LINE
- EXISTING CHAIN LINK FENCE
- EXISTING WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING WATER LINE (SIZE VARIES)
- EXISTING WASTEWATER LINE (SIZE VARIES)
- EXISTING FORCE MAIN (SIZE VARIES)
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- PARKING COUNT
- PARCEL LINES
- HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
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- LIMITS OF CONSTRUCTION

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REVISIONS

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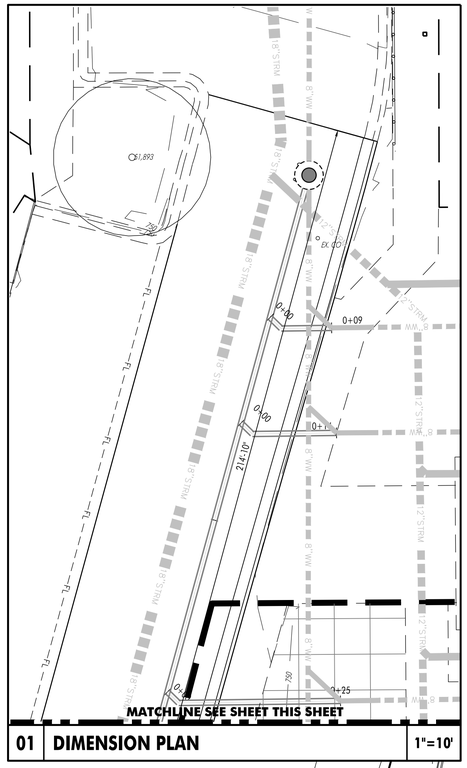
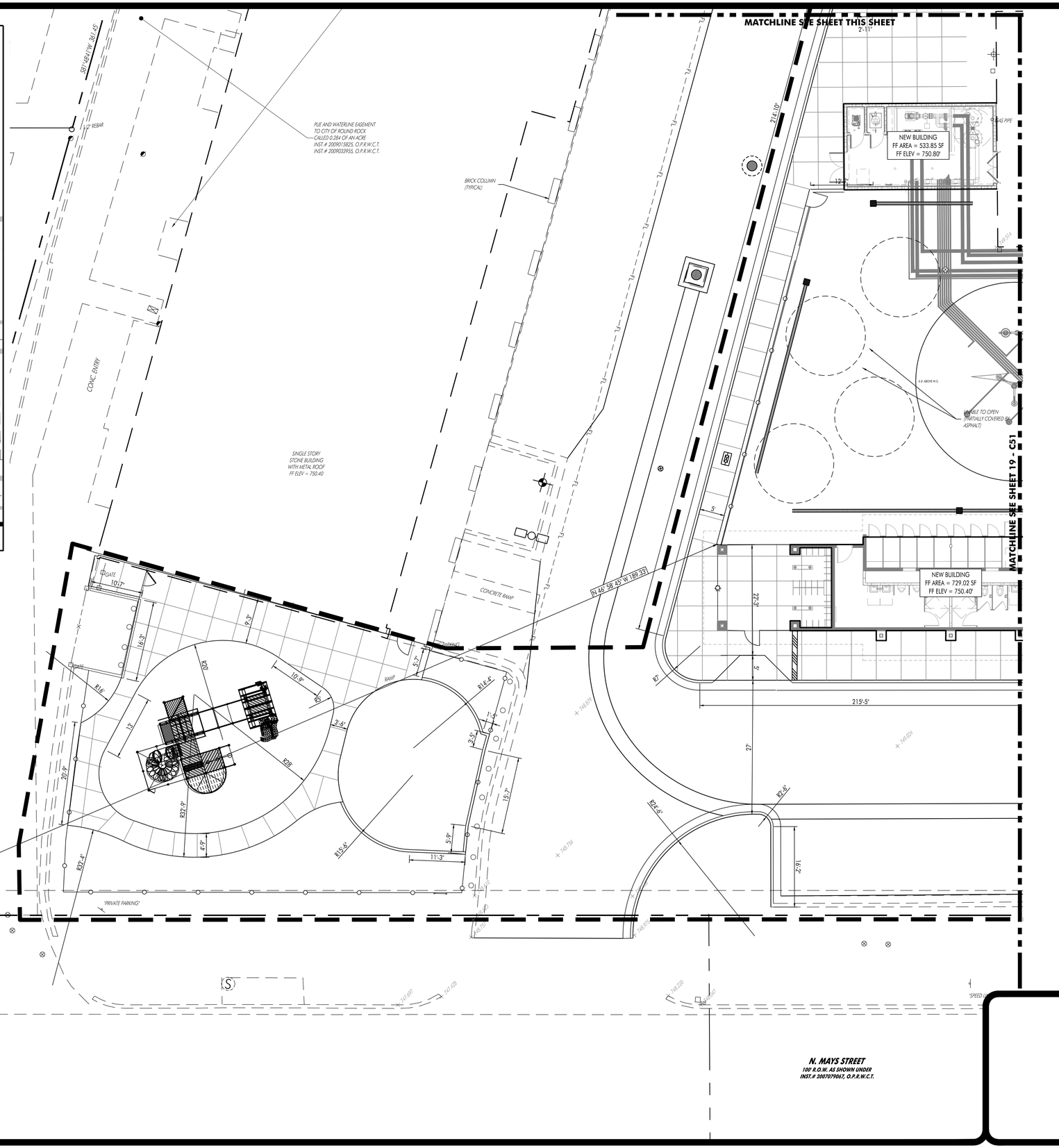
GRADING PLAN

SHEET NO.
C41
21



01 **DIMENSION PLAN** 1"=10'



0 10 20
SCALE: 1"=10'

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- PROPOSED CONTOUR
- PROPOSED CURB AND GUTTER
- PROPOSED ASPHALT
- PROPOSED X" DIA. GAS LINE
- PROPOSED X" DIA. STORM SEWER LINE
- PROPOSED X" DIA. WASTEWATER LINE
- PROPOSED X" DIA. WATER LINE
- EXISTING CHAIN LINK FENCE
- EXISTING WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING WATER LINE (SIZE VARIES)
- EXISTING WASTEWATER LINE (SIZE VARIES)
- EXISTING FORCE MAIN (SIZE VARIES)
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- PARKING COUNT
- PARCEL LINES
- HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
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REGISTERED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TERRY R. HAGOOD, P.E. 52960

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JOB NO. 22-034 © 2023 HEA, Inc.
DATE SIGNED: 6/23/2023
ISSUED FOR: AGENCY REVIEW

SITE DEVELOPMENT PLANS FOR CHASCO FAMILY YMCA OUTDOOR AQUATICS
1801 N. INTERSTATE HIGHWAY 35
ROUND ROCK, TEXAS 78665

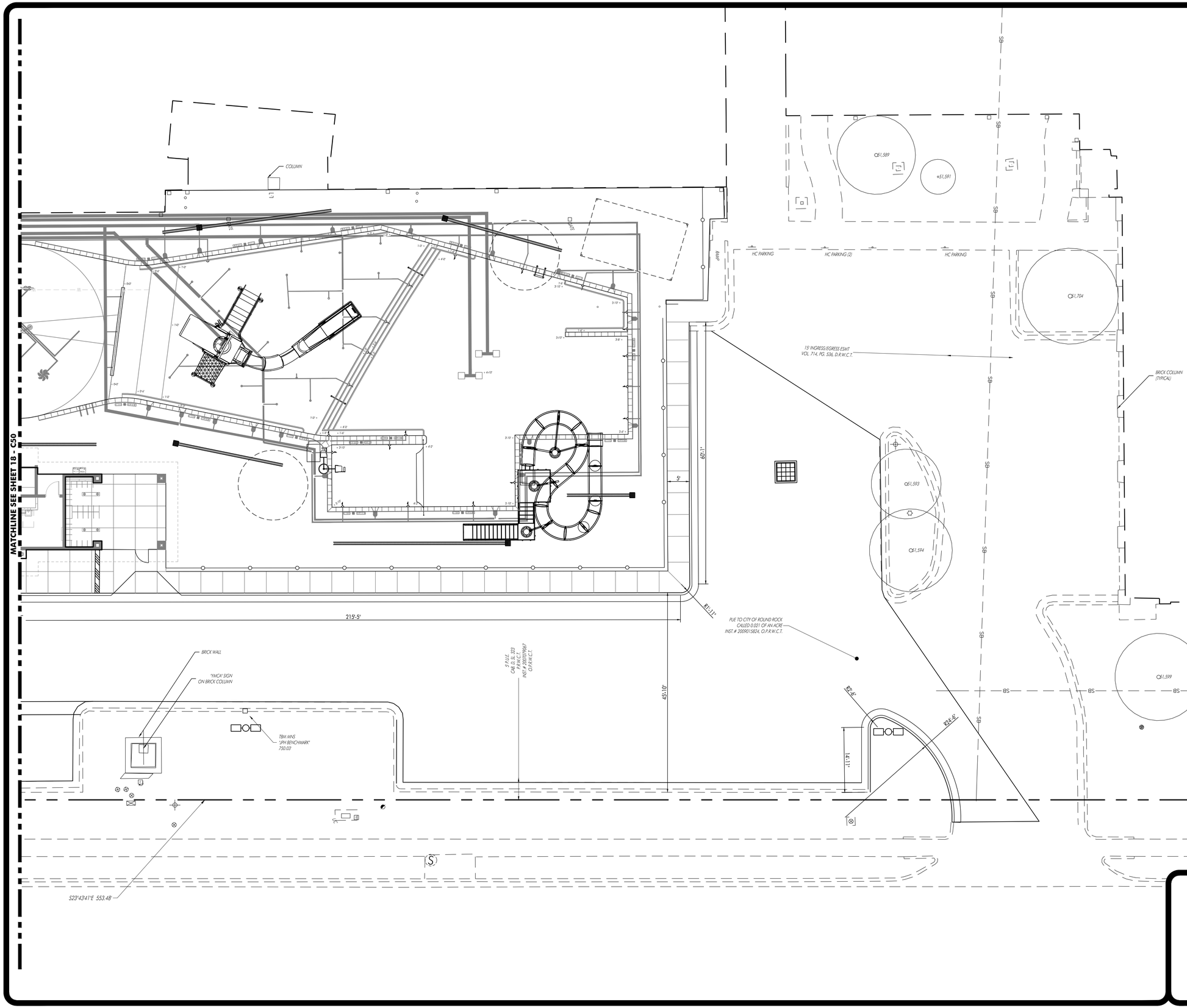
REVISIONS

NO.	DATE	DESCRIPTION

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

DIMENSION CONTROL PLAN

SHEET NO.
C50
22
....



0 10 20
SCALE: 1" = 10'

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- 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 WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- OHE — EXISTING OVERHEAD ELECTRIC LINE
- UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OHT — EXISTING OVERHEAD TELEPHONE LINE
- UGT — EXISTING UNDERGROUND TELEPHONE LINE
- W — EXISTING WATER LINE (SIZE VARIES)
- WW — EXISTING WASTEWATER LINE (SIZE VARIES)
- FM — EXISTING FORCE MAIN (SIZE VARIES)
- FOC — EXISTING FIBER OPTIC LINE
- GAS — EXISTING GAS LINE (SIZE VARIES)
- BENCHMARK LOCATION
- EXISTING TREE TO REMAIN (SIZE VARIES)
- EXISTING TREE TO BE REMOVED (SIZE VARIES)
- MONARCH/HERITAGE TREE (SIZE VARIES)
- 7 — PARKING COUNT
- PARCEL LINES
- HC — HANDICAP ACCESS LINES
- CONCRETE PAVING
- ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE WASHOUT
- STABILIZED CONSTRUCTION ENTRANCE
- SF — SILT FENCE
- RB — ROCK BERM
- IP — INLET PROTECTION
- TP — TREE PROTECTION
- MS — MULCH SOCK
- LIMITS OF CONSTRUCTION

HAGOOD 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

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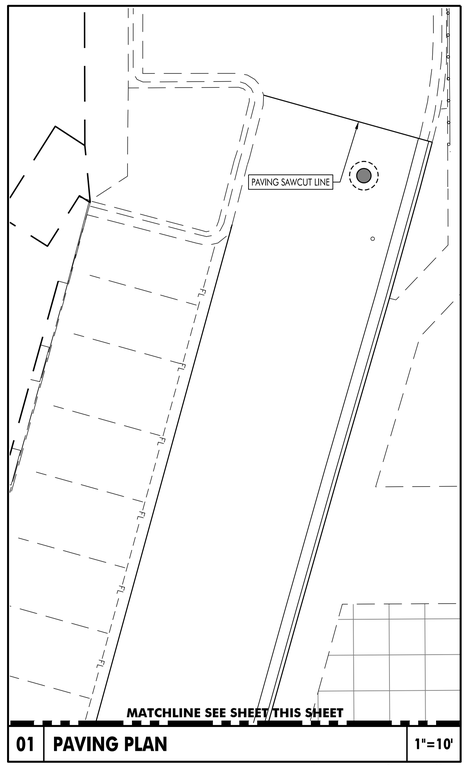
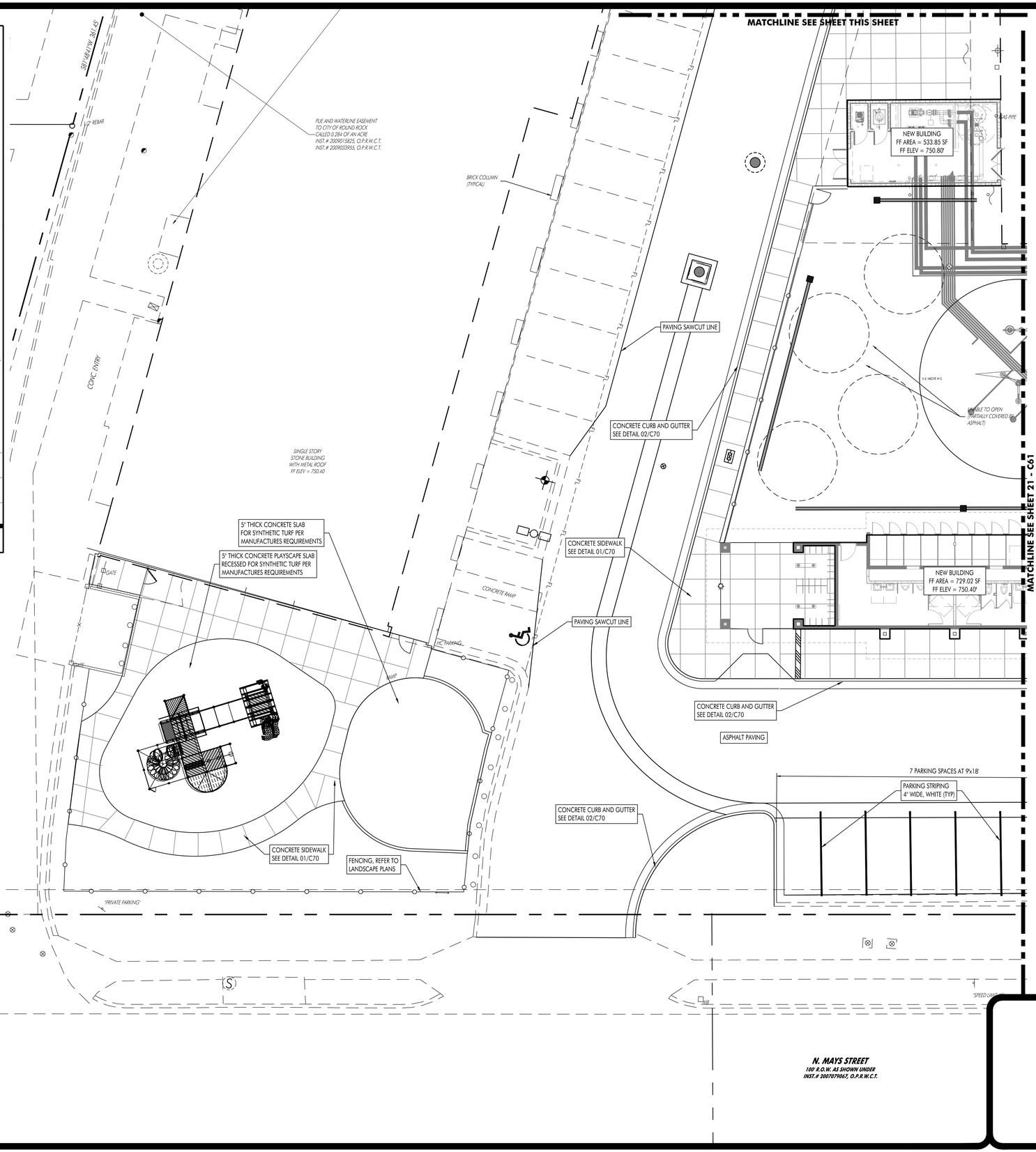
DIMENSION CONTROL PLAN

SHEET NO.
C51
23



01 **PAVING PLAN** 1"=10'



0 10 20
SCALE:1"=10'

LEGEND

- IRON ROD FOUND/SET
- CONCRETE MONUMENT FOUND/SET
- NAIL FOUND/SET
- PIPE FOUND
- STORMWATER MANHOLE (DRAWN TO SCALE)
- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- WASTEWATER CLEANOUT
- GAS-TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL/LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- FIRE HYDRANT
- GATE VALVE
- IRRIGATION CONTROL VALVE
- WATER METER
- EXISTING CONTOURS
- PROPOSED CONTOUR
- PROPOSED CURB AND GUTTER
- PROPOSED ASPHALT
- PROPOSED X" DIA. GAS LINE
- PROPOSED X" DIA. STORM SEWER LINE
- PROPOSED X" DIA. WASTEWATER LINE
- PROPOSED X" DIA. WATER LINE
- EXISTING CHAIN LINK FENCE
- EXISTING WIRE FENCE
- EXISTING WOOD FENCE
- SETBACK LINE
- EASEMENT LINE
- EXISTING ASPHALT
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
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- EXISTING WATER LINE (SIZE VARIES)
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- BENCHMARK LOCATION
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- PARKING COUNT
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- HANDICAP ACCESS LINES
- CONCRETE PAVING
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- CONCRETE SIDEWALK
- CONCRETE WASHOUT
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- LIMITS OF CONSTRUCTION

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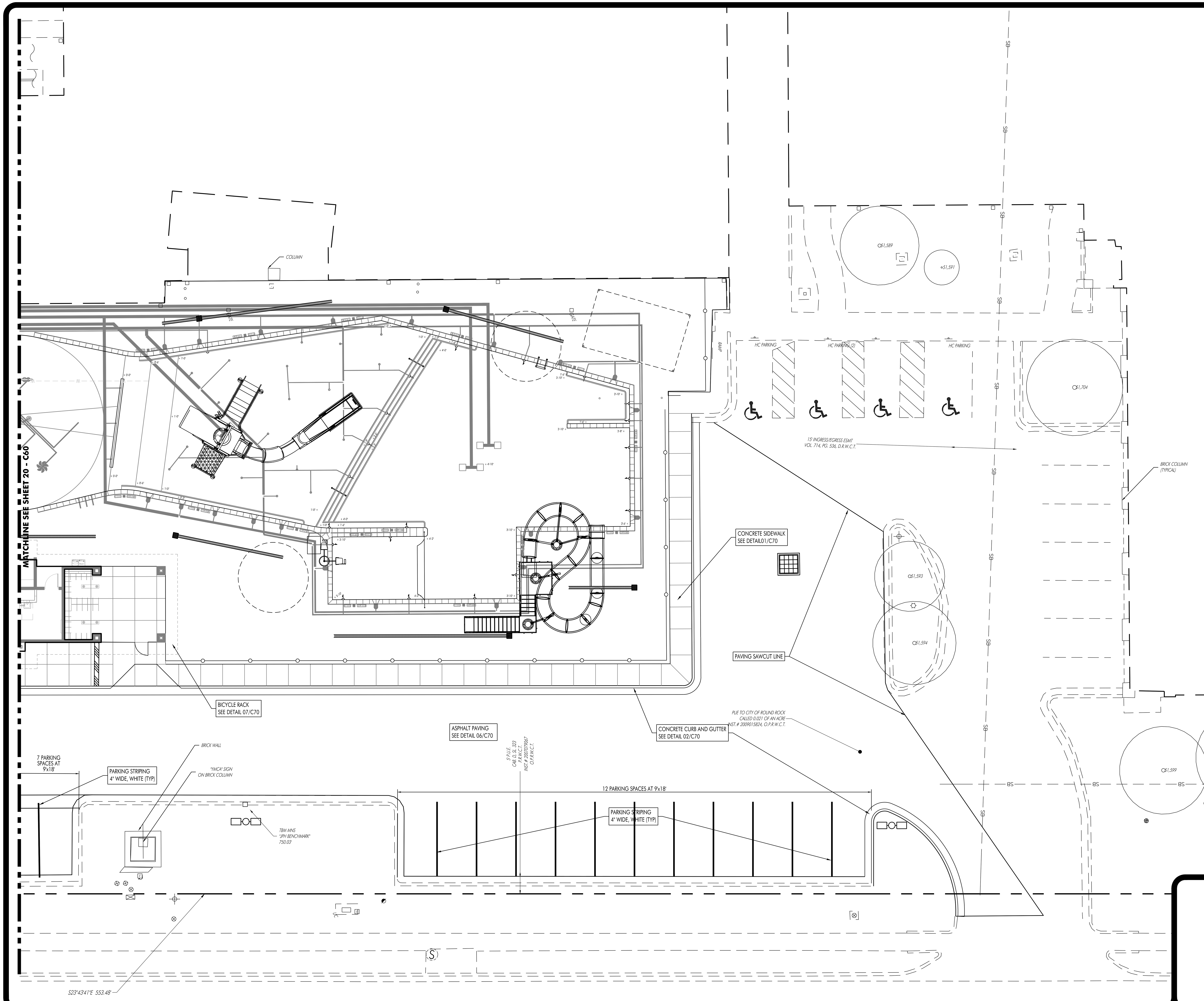
REVISIONS

NO.	DATE	DESCRIPTION

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

PAVING AND STRIPING PLAN

SHEET NO.
C60
24
....



0 10 20
SCALE:1"=10'

LEGEND

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- NAIL FOUND/SET
- PIPE FOUND
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- JUNCTION BOX (DRAWN TO SCALE)
- GRATE INLET (DRAWN TO SCALE)
- WASTEWATER MANHOLE (DRAWN TO SCALE)
- EX. CO — WASTEWATER CLEANOUT
- GAS TEST STATION
- GAS METER
- ELECTRIC METER
- LIGHT POLE
- SIGNAL LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- EX. FH — FIRE HYDRANT
- EX. WV — GATE VALVE
- EX. ICV — IRRIGATION CONTROL VALVE
- WATER METER
- 100 / 99 — 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
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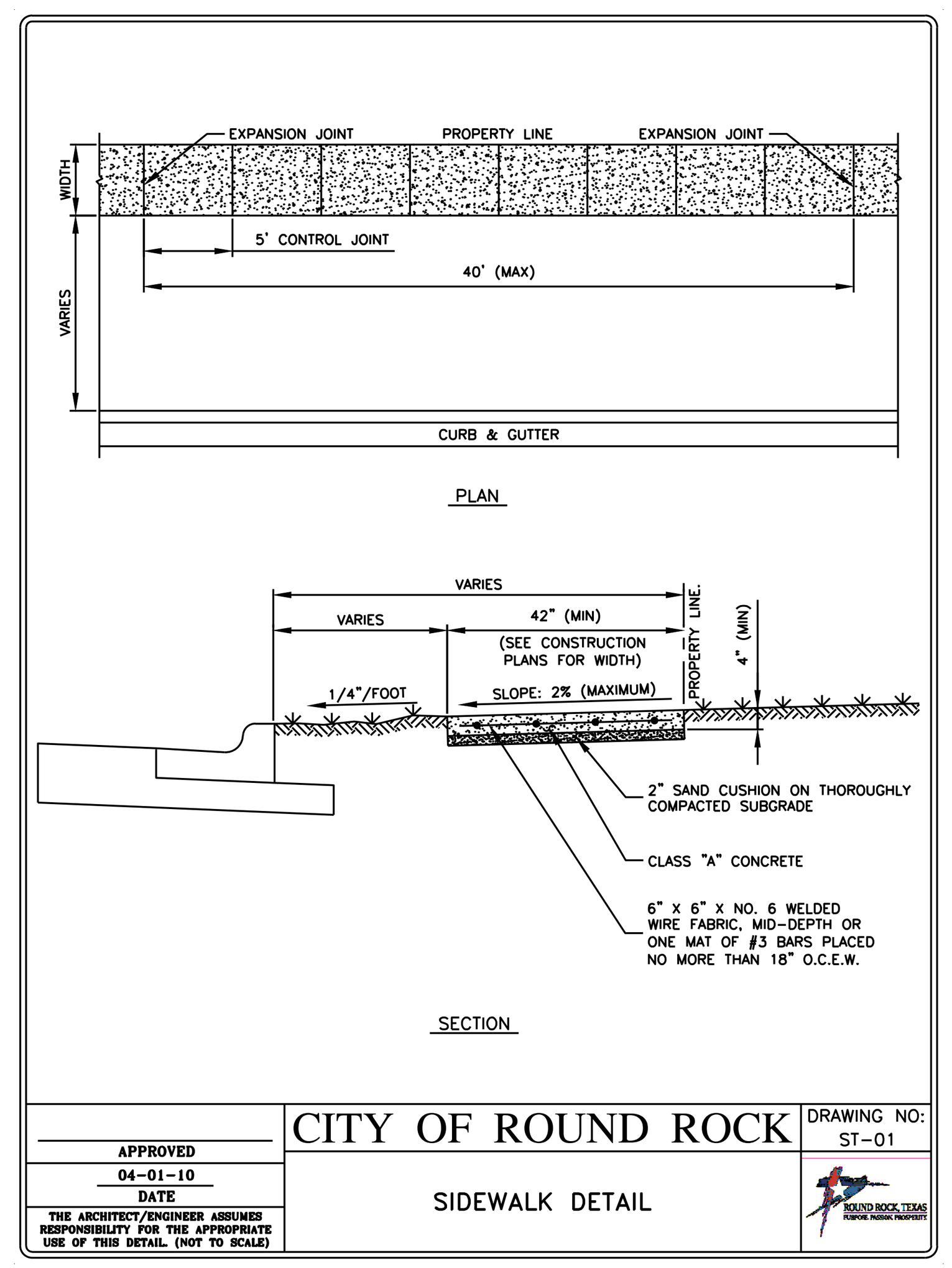
REVISIONS

NO.	DATE	DESCRIPTION

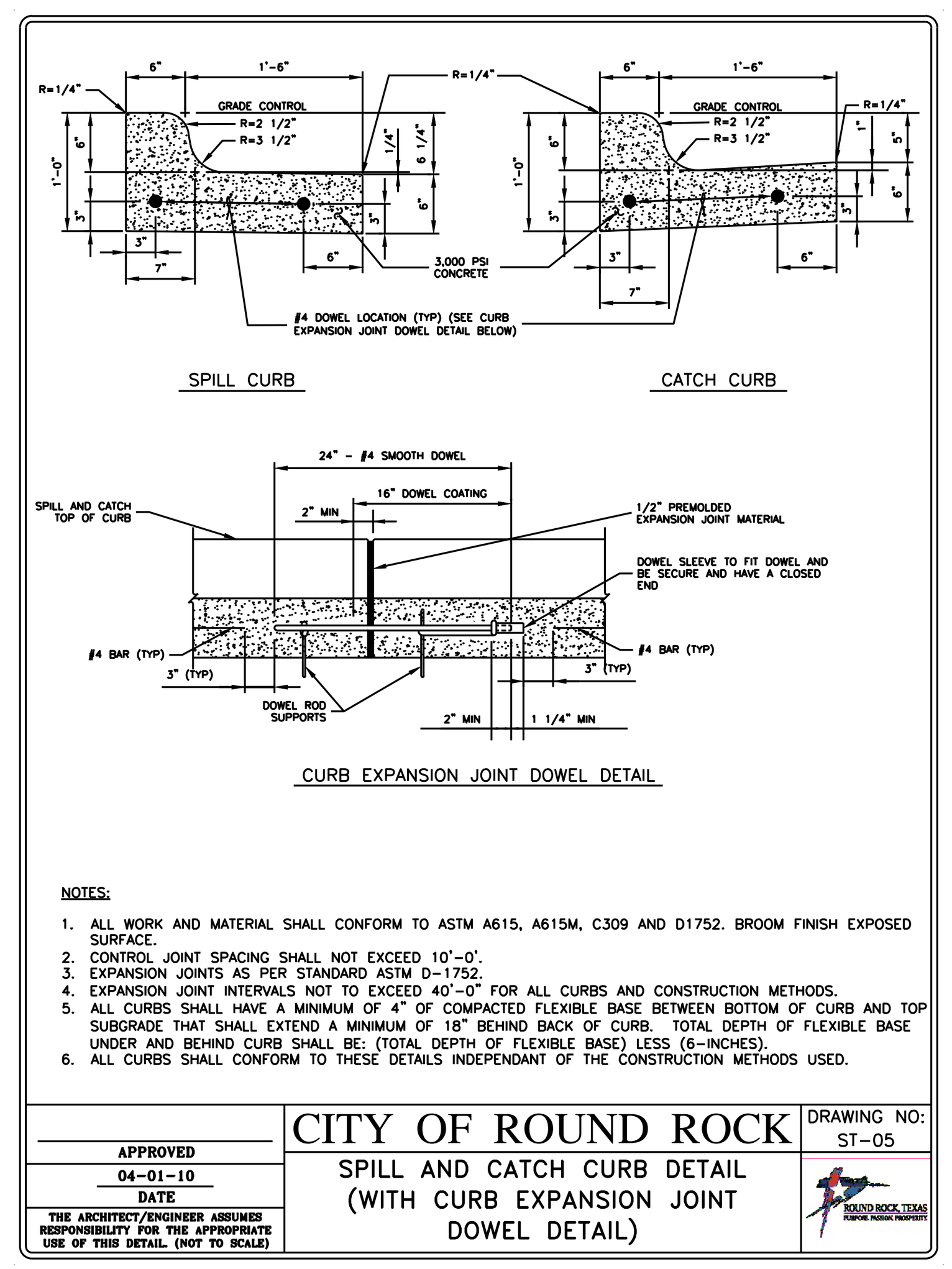
HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

PAVING AND STRIPING PLAN

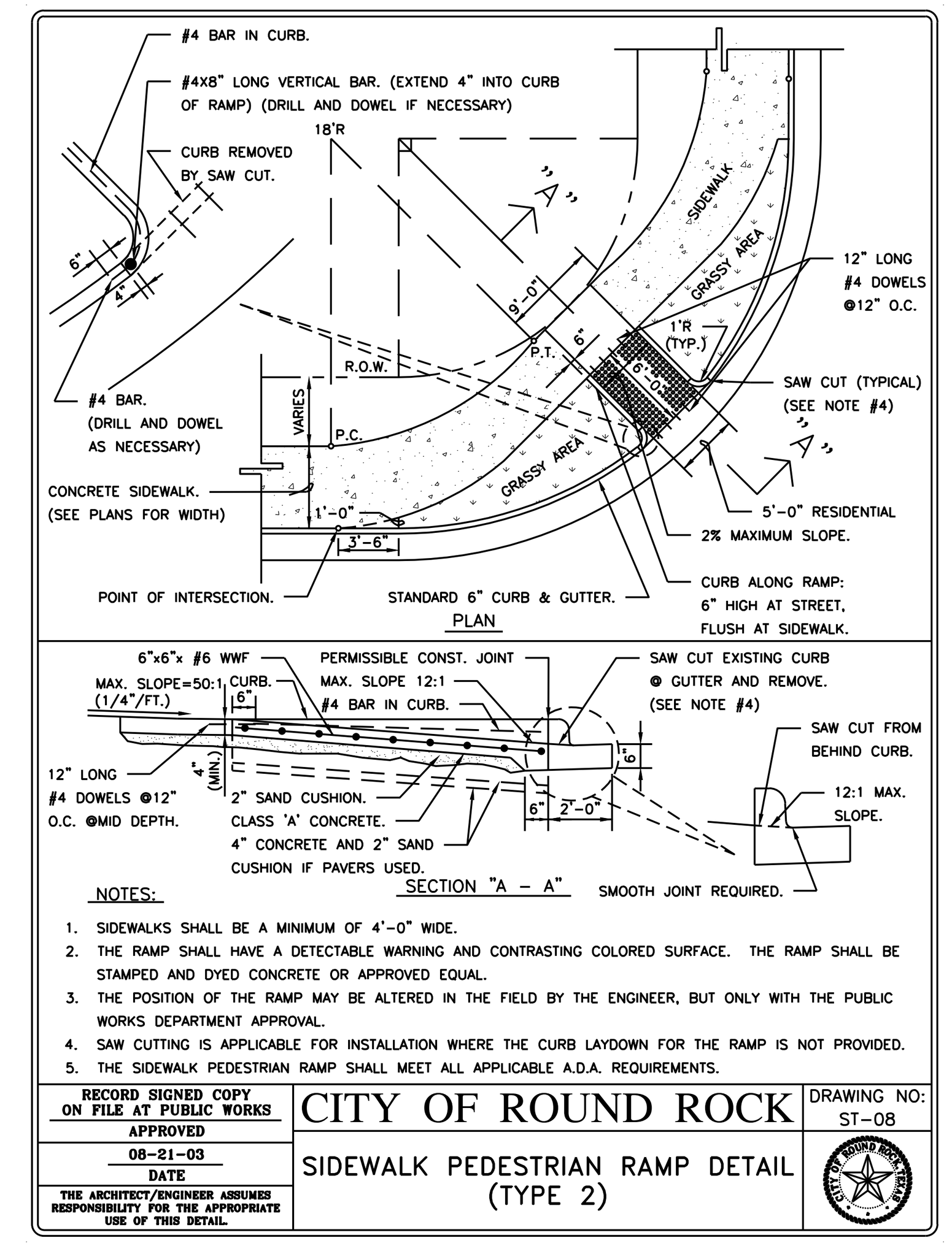
SHEET NO.
C61
25


EXPANSION JOINT
PROPERTY LINE
EXPANSION JOINT
WIDTH
5' CONTROL JOINT
40' (MAX)
VARIES
CURB & GUTTER
PLAN
VARIES
VARIES
42" (MIN)
(SEE CONSTRUCTION PLANS FOR WIDTH)
PROPERTY LINE.
4" (MIN)
1/4"/FOOT
SLOPE: 2% (MAXIMUM)
2" SAND CUSHION ON THOROUGHLY COMPACTED SUBGRADE
CLASS "A" CONCRETE
6" X 6" X NO. 6 WELDED WIRE FABRIC, MID-DEPTH OR ONE MAT OF #3 BARS PLACED NO MORE THAN 18" O.C.E.W.
SECTION
APPROVED
04-01-10
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)
CITY OF ROUND ROCK
SIDEWALK DETAIL
DRAWING NO: ST-01

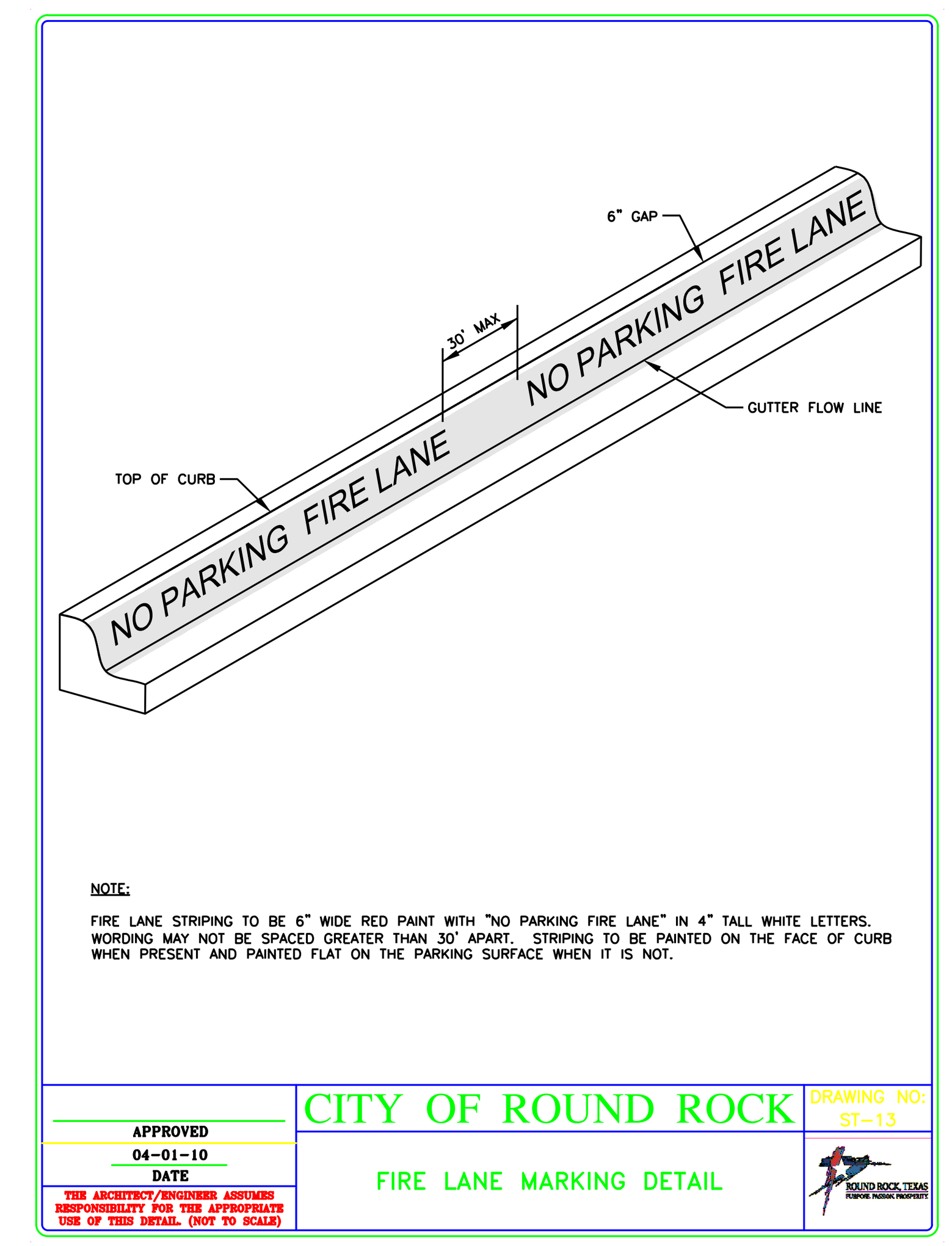
01 SIDEWALK NTS


SPILL CURB
CATCH CURB
GRADE CONTROL
R=2 1/2"
R=3 1/2"
R=1/4"
3,000 PSI CONCRETE
#4 DOWEL LOCATION (TYP) (SEE CURB EXPANSION JOINT DOWEL DETAIL BELOW)
24" - #4 SMOOTH DOWEL
16" DOWEL COATING
2" MIN
SPILL AND CATCH TOP OF CURB
1/2" PREMOLDED EXPANSION JOINT MATERIAL
DOWEL SLEEVE TO FIT DOWEL AND BE SECURE AND HAVE A CLOSED END
#4 BAR (TYP)
3" (TYP)
DOWEL ROD SUPPORTS
1 1/4" MIN
CURB EXPANSION JOINT DOWEL DETAIL
NOTES:
1. ALL WORK AND MATERIAL SHALL CONFORM TO ASTM A615, A615M, C309 AND D1752. BROOM FINISH EXPOSED SURFACE.
2. CONTROL JOINT SPACING SHALL NOT EXCEED 10'-0'.
3. EXPANSION JOINTS AS PER STANDARD ASTM D-1752.
4. EXPANSION JOINT INTERVALS NOT TO EXCEED 40'-0" FOR ALL CURBS AND CONSTRUCTION METHODS.
5. ALL CURBS SHALL HAVE A MINIMUM OF 4" OF COMPACTED FLEXIBLE BASE BETWEEN BOTTOM OF CURB AND TOP SUBGRADE THAT SHALL EXTEND A MINIMUM OF 18" BEHIND BACK OF CURB. TOTAL DEPTH OF FLEXIBLE BASE UNDER AND BEHIND CURB SHALL BE: (TOTAL DEPTH OF FLEXIBLE BASE) LESS (6-INCHES).
6. ALL CURBS SHALL CONFORM TO THESE DETAILS INDEPENDANT OF THE CONSTRUCTION METHODS USED.
APPROVED
04-01-10
DATE
CITY OF ROUND ROCK
SPILL AND CATCH CURB DETAIL (WITH CURB EXPANSION JOINT DOWEL DETAIL)
DRAWING NO: ST-05

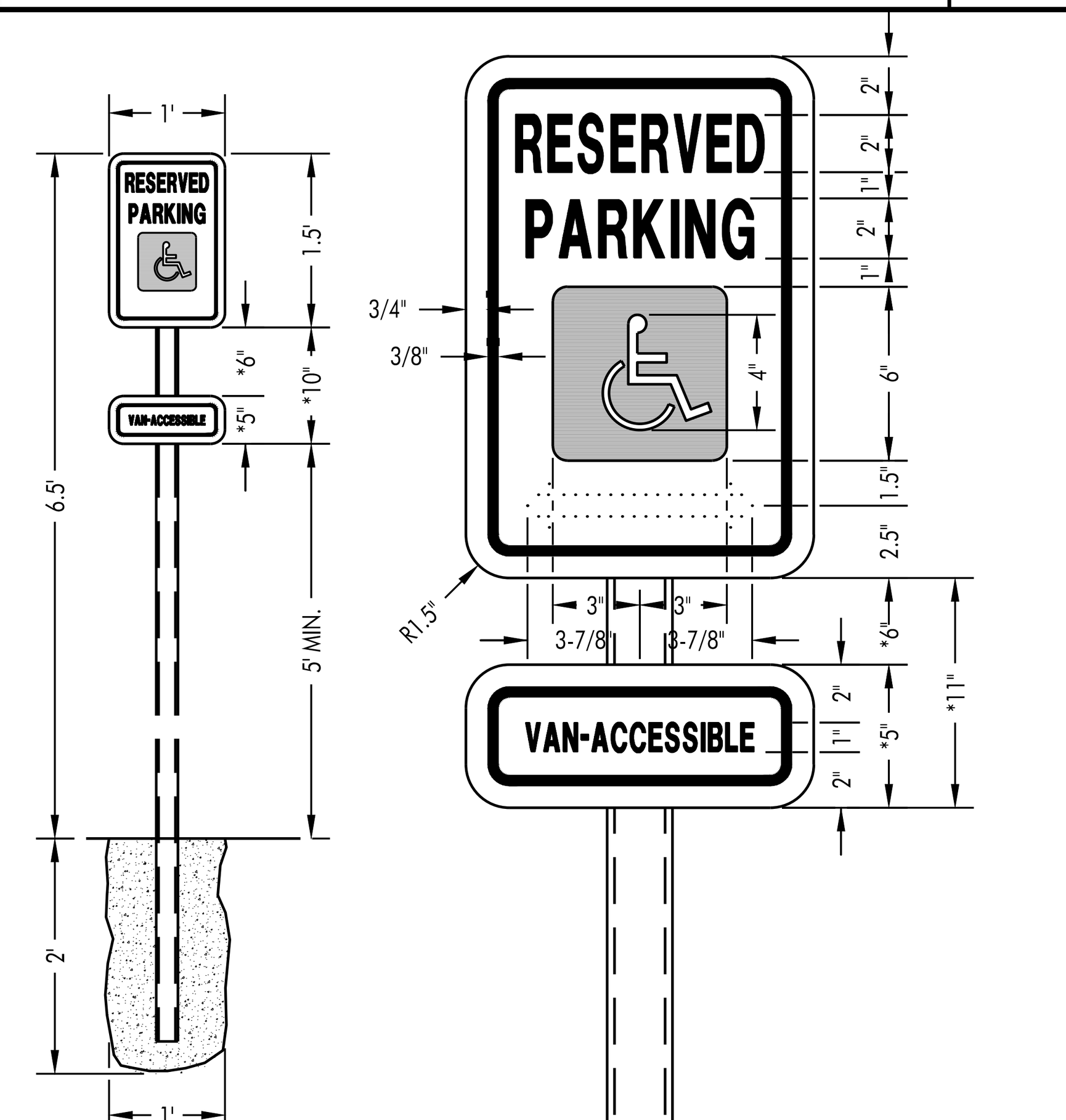
02 SPILL AND CATCH CURB NTS


#4 BAR IN CURB.
#4X8" LONG VERTICAL BAR. (EXTEND 4" INTO CURB OF RAMP) (DRILL AND DOWEL IF NECESSARY)
CURB REMOVED BY SAW CUT.
12" LONG #4 DOWELS @12" O.C.
SAW CUT (TYPICAL) (SEE NOTE #4)
#4 BAR. (DRILL AND DOWEL AS NECESSARY)
CONCRETE SIDEWALK. (SEE PLANS FOR WIDTH)
5'-0" RESIDENTIAL
2% MAXIMUM SLOPE.
POINT OF INTERSECTION.
STANDARD 6" CURB & GUTTER.
CURB ALONG RAMP: 6" HIGH AT STREET, FLUSH AT SIDEWALK.
PLAN
6"x6"x #6 WWF
MAX. SLOPE=50:1 (1/4"/FT.)
PERMISSIBLE CONST. JOINT
MAX. SLOPE 12:1
#4 BAR IN CURB.
SAW CUT EXISTING CURB @ GUTTER AND REMOVE. (SEE NOTE #4)
SAW CUT FROM BEHIND CURB.
12:1 MAX. SLOPE.
12" LONG #4 DOWELS @12" O.C. @MID DEPTH.
2" SAND CUSHION.
CLASS 'A' CONCRETE.
4" CONCRETE AND 2" SAND CUSHION IF PAVERS USED.
SECTION "A - A"
SMOOTH JOINT REQUIRED.
NOTES:
1. SIDEWALKS SHALL BE A MINIMUM OF 4'-0" WIDE.
2. THE RAMP SHALL HAVE A DETECTABLE WARNING AND CONTRASTING COLORED SURFACE. THE RAMP SHALL BE STAMPED AND DYED CONCRETE OR APPROVED EQUAL.
3. THE POSITION OF THE RAMP MAY BE ALTERED IN THE FIELD BY THE ENGINEER, BUT ONLY WITH THE PUBLIC WORKS DEPARTMENT APPROVAL.
4. SAW CUTTING IS APPLICABLE FOR INSTALLATION WHERE THE CURB LAYDOWN FOR THE RAMP IS NOT PROVIDED.
5. THE SIDEWALK PEDESTRIAN RAMP SHALL MEET ALL APPLICABLE A.D.A. REQUIREMENTS.
RECORD SIGNED COPY ON FILE AT PUBLIC WORKS
APPROVED
08-21-03
DATE
CITY OF ROUND ROCK
SIDEWALK PEDESTRIAN RAMP DETAIL (TYPE 2)
DRAWING NO: ST-08

03 SIDEWALK PEDESTRIAN RAMP DETAIL (TYPE 2) NTS

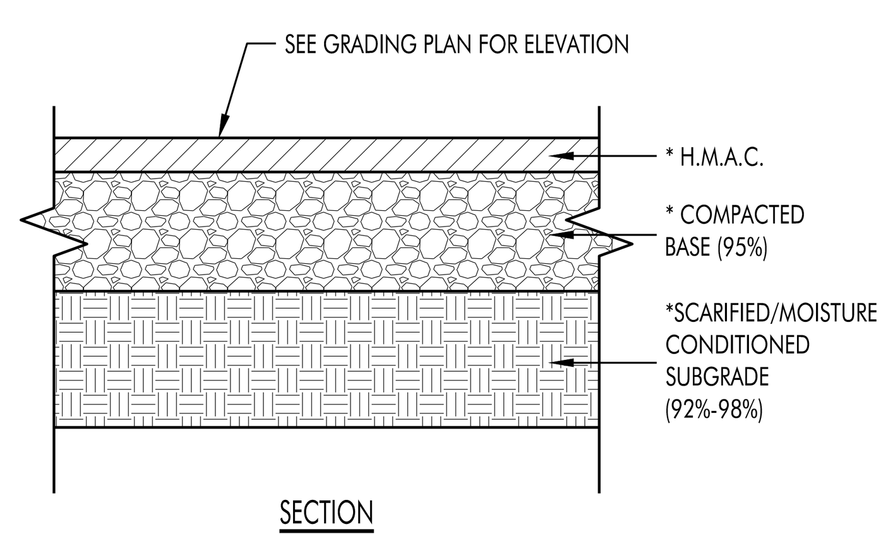

6" GAP
30' MAX
NO PARKING FIRE LANE
NO PARKING FIRE LANE
TOP OF CURB
GUTTER FLOW LINE
NOTE:
FIRE LANE STRIPING TO BE 6" WIDE RED PAINT WITH "NO PARKING FIRE LANE" IN 4" TALL WHITE LETTERS. WORDING MAY NOT BE SPACED GREATER THAN 30' APART. STRIPING TO BE PAINTED ON THE FACE OF CURB WHEN PRESENT AND PAINTED FLAT ON THE PARKING SURFACE WHEN IT IS NOT.
APPROVED
04-01-10
DATE
CITY OF ROUND ROCK
FIRE LANE MARKING DETAIL
DRAWING NO: ST-13

04 FIRE LANE MARKING NTS



NOTES:
1. SIGN COLORS TO BE: LEGEND & BORDER - GREEN BACKGROUND - WHITE SYMBOL - WHITE ON BLUE BACKGROUND
2. SINGLE &/OR DOUBLE HEADED ARROWS MAY BE USED ON SIGNS TO MARK MULTIPLE RESERVED PARKING SPACES. OMIT ARROW AT SINGLE SPACES.
*3. HANDICAP VAN ACCESSIBLE SIGN TO BE USED ON VAN ACCESSIBLE PARKING SPOTS ONLY, SEE PLANS FOR LOCATIONS.

05 HANDICAP PARKING SIGN DETAIL NTS

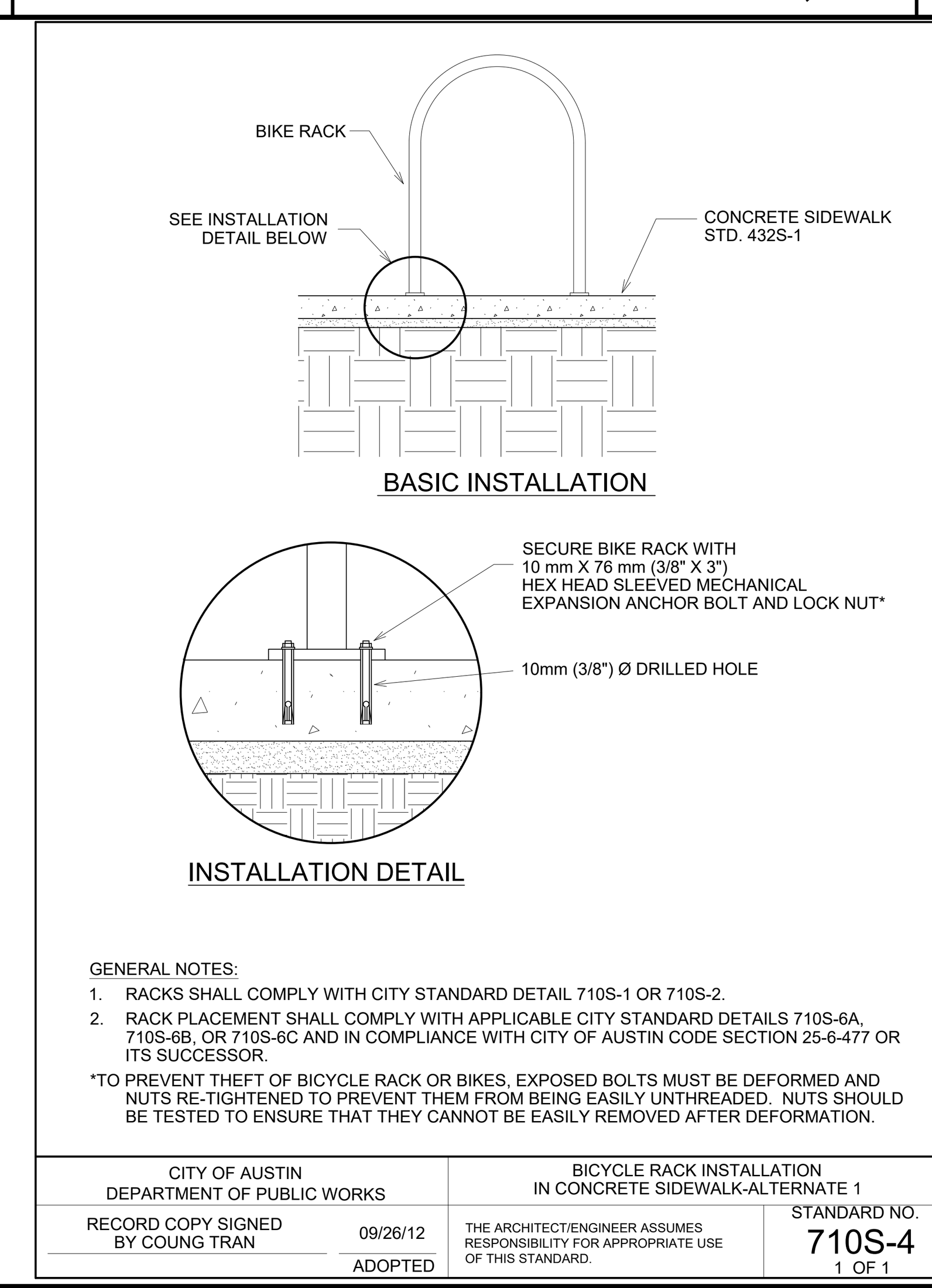


* DRIVEWAYS		STREET
3"	HOT MIX ASPHALTIC CONCRETE	3"
8"	CRUSHED LIMESTONE BASE	12"
6"	COMPACTED SUBGRADE	6"

NOTE:
AT THE CONTRACTORS OPTION, HE MAY USE THE DRIVEWAY SECTION THROUGHOUT ALL PAVED AREAS. IF THIS WILL BE MORE COST EFFECTIVE TO THE OWNER.

REFER TO aaaaaaaaa REPORT DATED aaaaaaaaaa, PROJECT NUMBER aaaaaaaaaaaa FOR ADDITIONAL INFORMATION REGARDING PAVING DETAILS.

06 ASPHALT PAVING SECTION NTS


BIKE RACK
SEE INSTALLATION DETAIL BELOW
CONCRETE SIDEWALK STD. 432S-1
BASIC INSTALLATION
SECURE BIKE RACK WITH 10 mm X 76 mm (3/8" X 3") HEX HEAD SLEEVED MECHANICAL EXPANSION ANCHOR BOLT AND LOCK NUT*
10mm (3/8") Ø DRILLED HOLE
INSTALLATION DETAIL
GENERAL NOTES:
1. RACKS SHALL COMPLY WITH CITY STANDARD DETAIL 710S-1 OR 710S-2.
2. RACK PLACEMENT SHALL COMPLY WITH APPLICABLE CITY STANDARD DETAILS 710S-6A, 710S-6B, OR 710S-6C AND IN COMPLIANCE WITH CITY OF AUSTIN CODE SECTION 25-6-477 OR ITS SUCCESSOR.
*TO PREVENT THEFT OF BICYCLE RACK OR BIKES, EXPOSED BOLTS MUST BE DEFORMED AND NUTS RE-TIGHTENED TO PREVENT THEM FROM BEING EASILY UNTHREADED. NUTS SHOULD BE TESTED TO ENSURE THAT THEY CANNOT BE EASILY REMOVED AFTER DEFORMATION.
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS
BICYCLE RACK INSTALLATION IN CONCRETE SIDEWALK-ALTERNATE 1
RECORD COPY SIGNED BY COUNG TRAN
09/26/12
ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 710S-4
1 OF 1

07 BIKE RACK NTS

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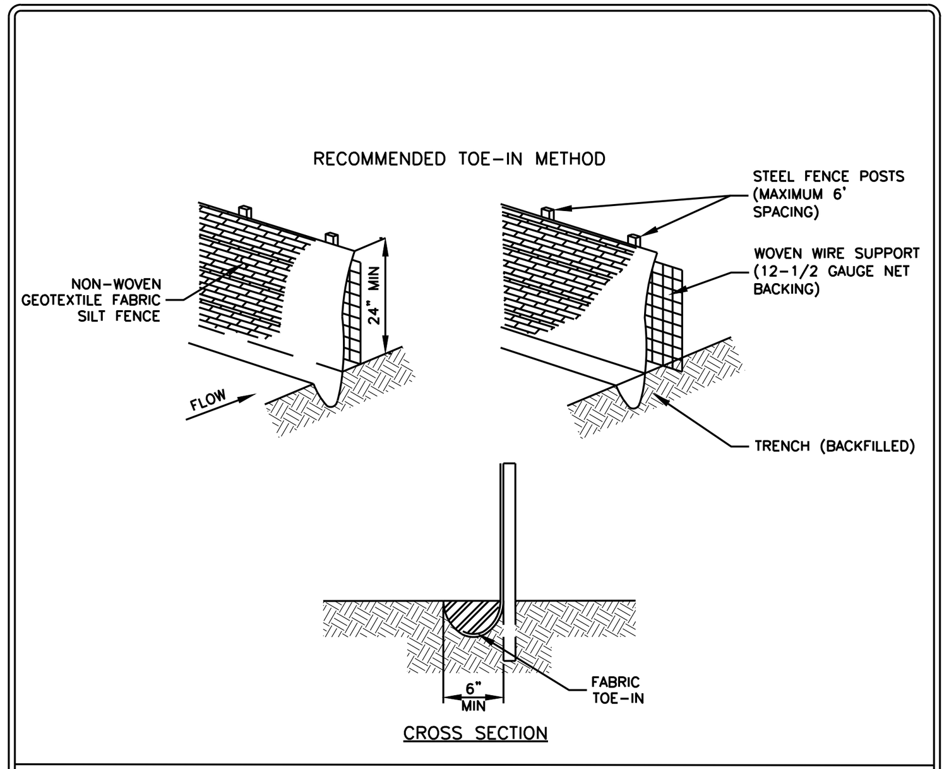
NO.	DATE	DESCRIPTION

REVISIONS

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

CONSTRUCTION DETAILS

SHEET NO.
C70



NOTES:

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MIN. OF ONE (1') FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT) WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHALL BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS SECURELY FASTENED TO THE STEEL FENCE POSTS.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. SILT FENCE SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS
APPROVED
03-25-11
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

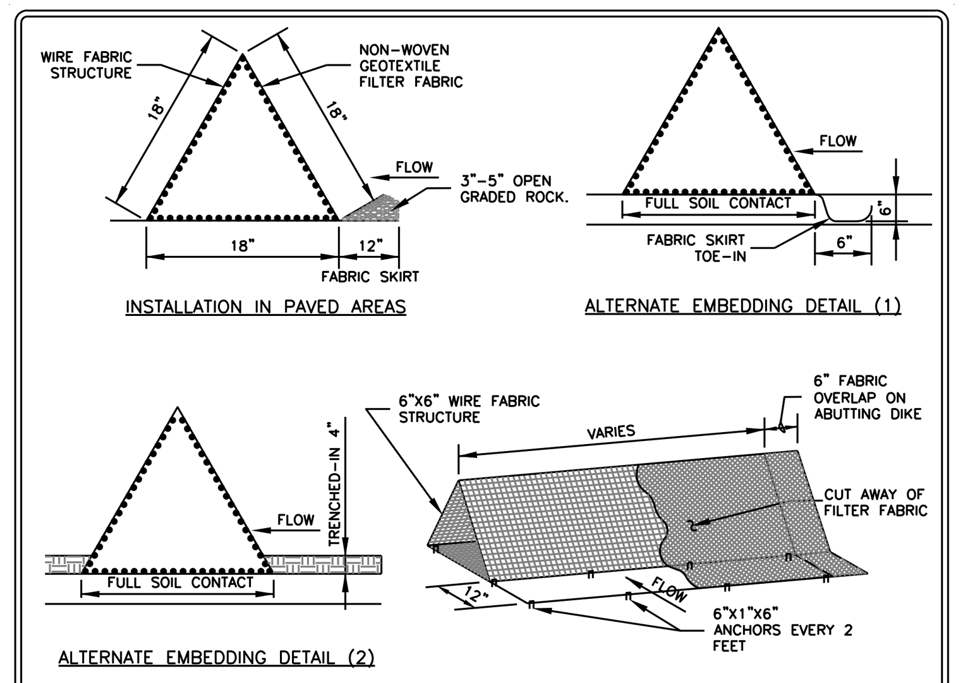
CITY OF ROUND ROCK

DRAWING NO: EC-10

SILT FENCE DETAIL

ROUND ROCK, TEXAS

01 SILT FENCE — NTS



NOTES:

1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING.
2. FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE UPSTREAM FACE FABRIC.
3. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE WITH WIRE STAPLES AT 2' INTERVALS ON BOTH EDGES AND SKIRT OR WITH 3/8" DIAMETER REBAR WITH TEE ENDS.
4. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 6" TO COVER DIKE–TO–DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS REQUIRED.
6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 4" AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
7. AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN NOTE #6 ABOVE.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS
APPROVED
03-25-11
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

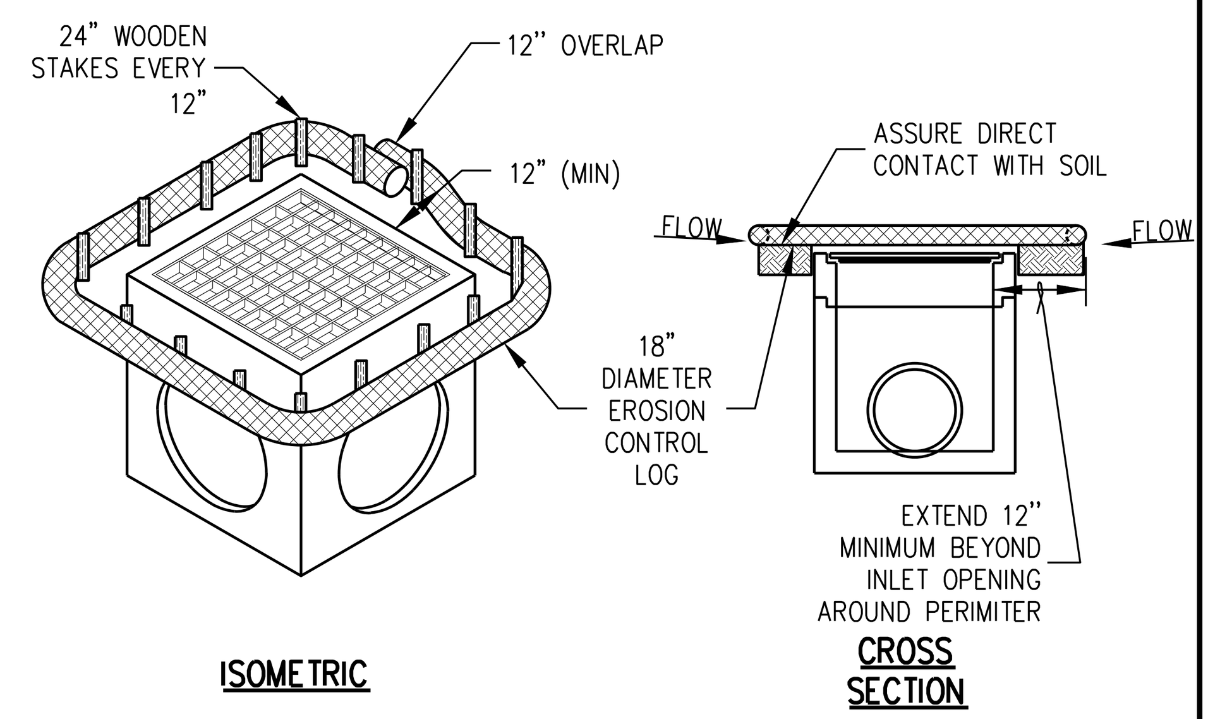
CITY OF ROUND ROCK

DRAWING NO: EC-11

TRIANGULAR SEDIMENT FILTER DIKE DETAIL

ROUND ROCK, TEXAS

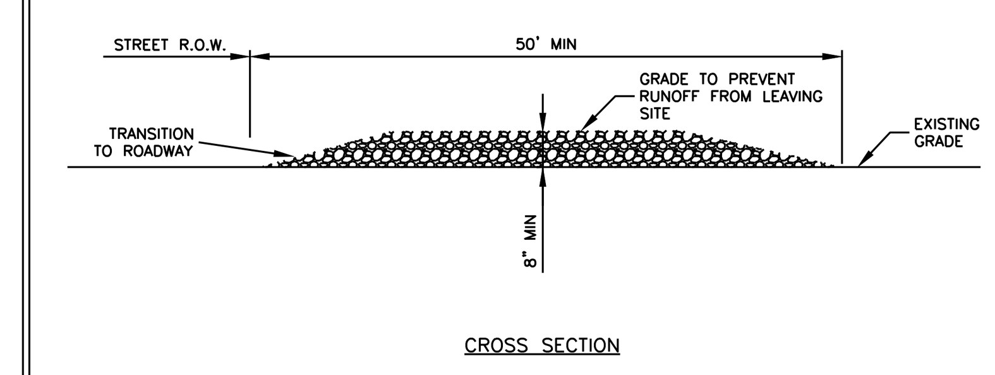
02 TRIANGULAR SEDIMENT FILTER DIKE DETAIL — NTS



NOTES:

1. EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
2. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 6".
3. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY CLEAN THE INLET PROTECTION IF EXCESSIVE PONDING OCCURS.
4. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS

03 GRATE INLET PROTECTION — NTS



NOTES:

1. STONE SIZE SHALL BE 3" – 8" OPEN GRADED ROCK.
2. THICKNESS OF CRUSHED STONE PAD TO BE NOT LESS THAN 8".
3. LENGTH SHALL BE A MINIMUM OF 50' FROM ACTUAL ROADWAY, AND WIDTH NOT LESS THAN FULL WIDTH OF INGRESS/EGRESS.
4. ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY BY CONTRACTOR.
6. AS NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.

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APPROVED
03-25-11
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

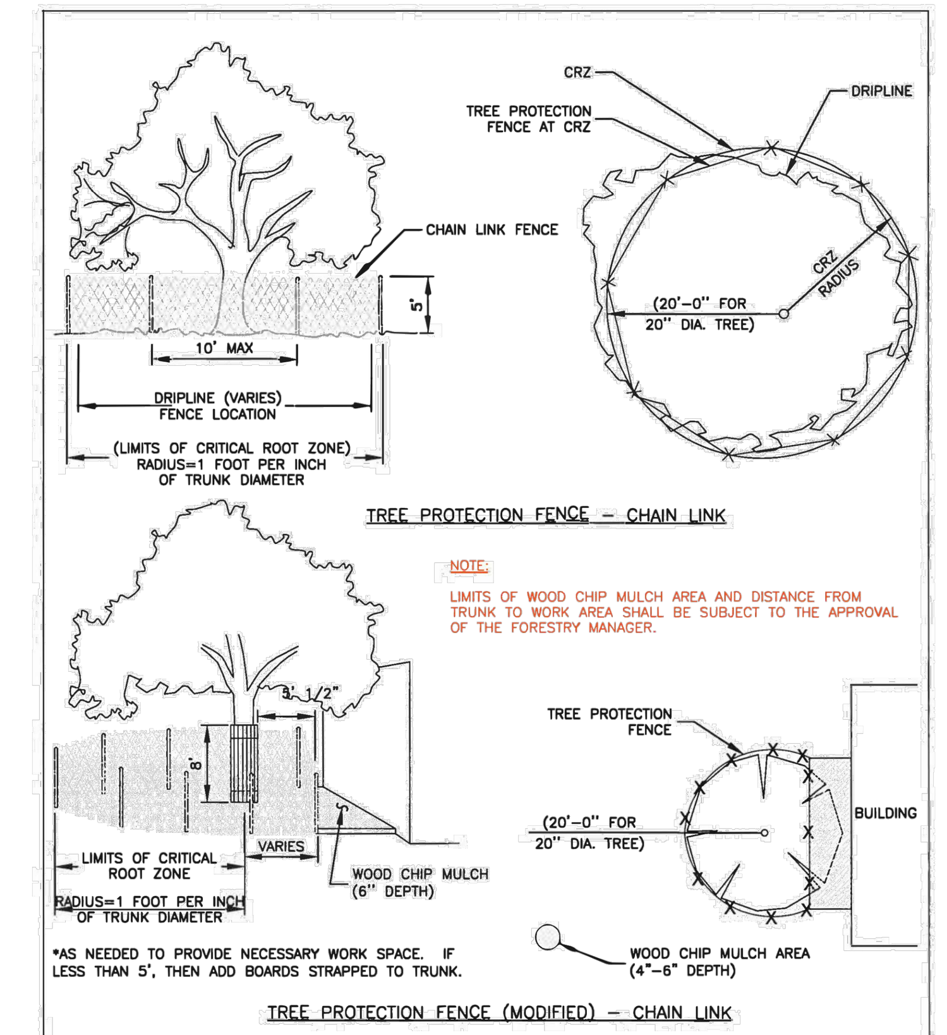
CITY OF ROUND ROCK

DRAWING NO: EC-09

STABILIZED CONSTRUCTION ENTRANCE DETAIL

ROUND ROCK, TEXAS

04 STABILIZED CONSTRUCTION ENTRANCE — NTS



FOR QUESTIONS CONCERNING THIS DETAIL, PLEASE CONTACT THE FORESTRY MANAGER.

SCALE: NTS

RECORD SIGNED COPY ON FILE
APPROVED
01–28–21
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

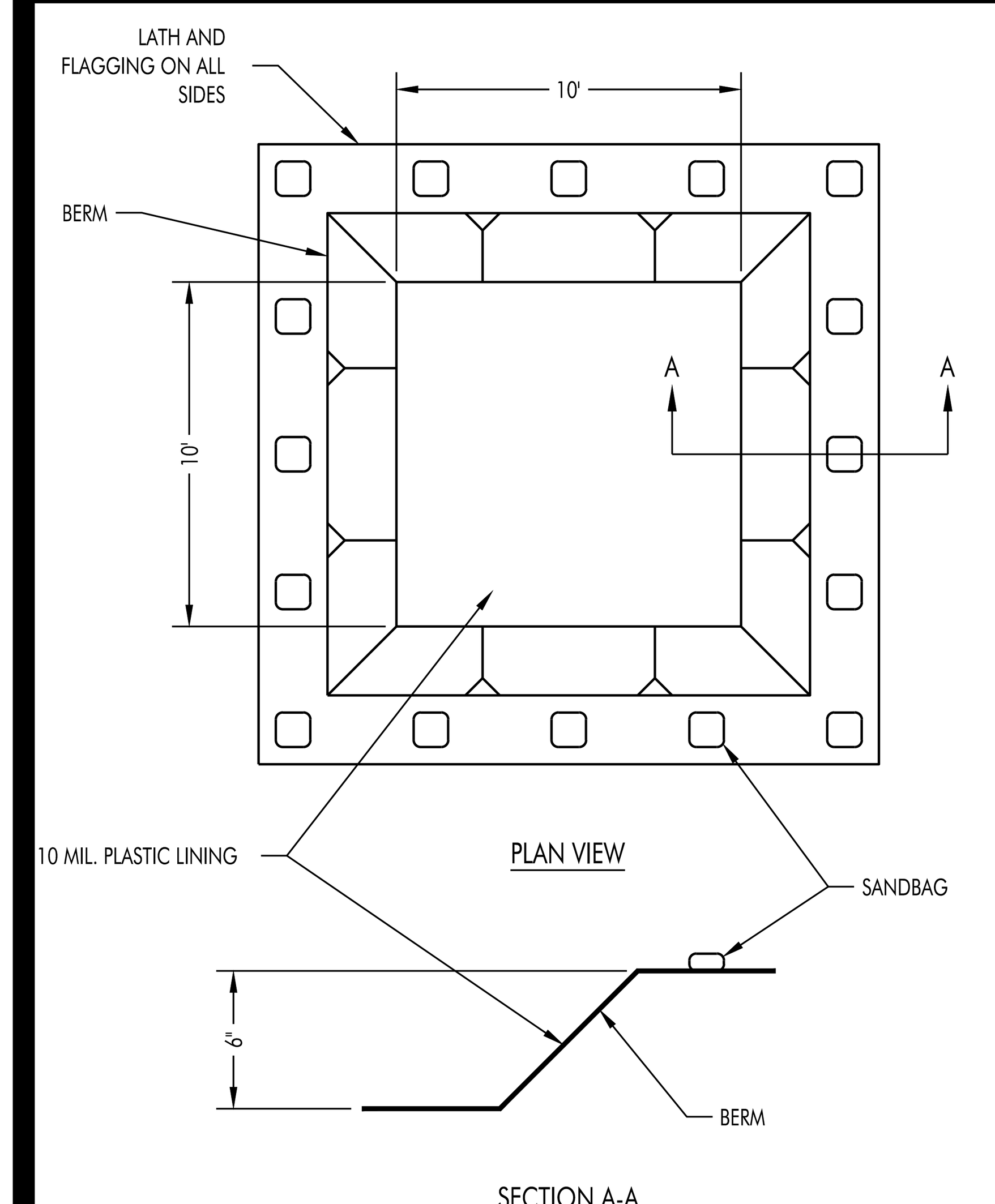
CITY OF ROUND ROCK

DRAWING NO: EC-04
SHEET 1 of 1

TREE PROTECTION FENCE CHAIN LINK

ROUND ROCK TEXAS

05 TREE_PROTECTION FENCE CHAIN LINK — NTS



06 CONCRETE WASHOUT DETAIL — NTS

HAGOOD 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

STATE OF TEXAS
TERRY R. HAGOOD
52960
REGISTERED
PROFESSIONAL ENGINEER

[illegible]

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TERRY R. HAGOOD, P.E. 52960
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.

JOB NO. 22-034 © 2023 HEA, Inc.
DATE SIGNED: 6/23/2023
ISSUED FOR: AGENCY REVIEW

SITE DEVELOPMENT PLANS FOR CHASCO FAMILY YMCA OUTDOOR AQUATICS 1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

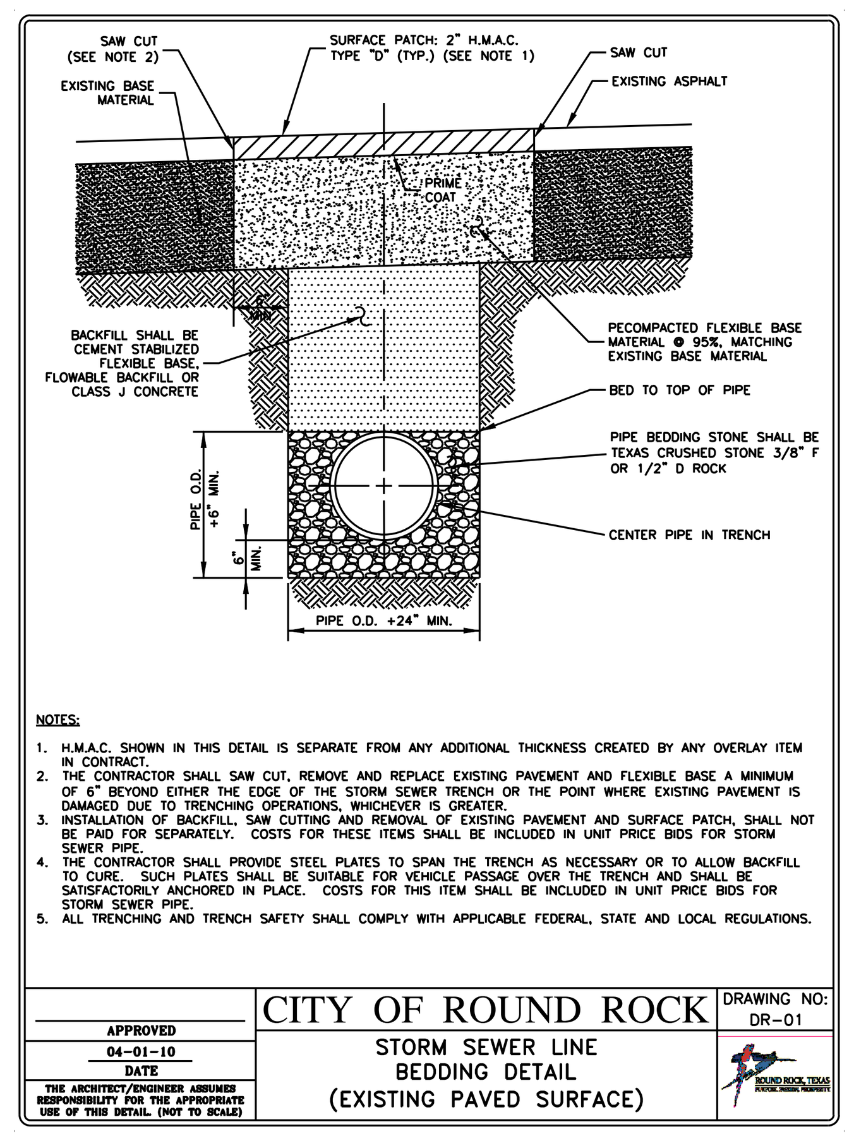
REVISIONS

NO.	DATE	DESCRIPTION

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

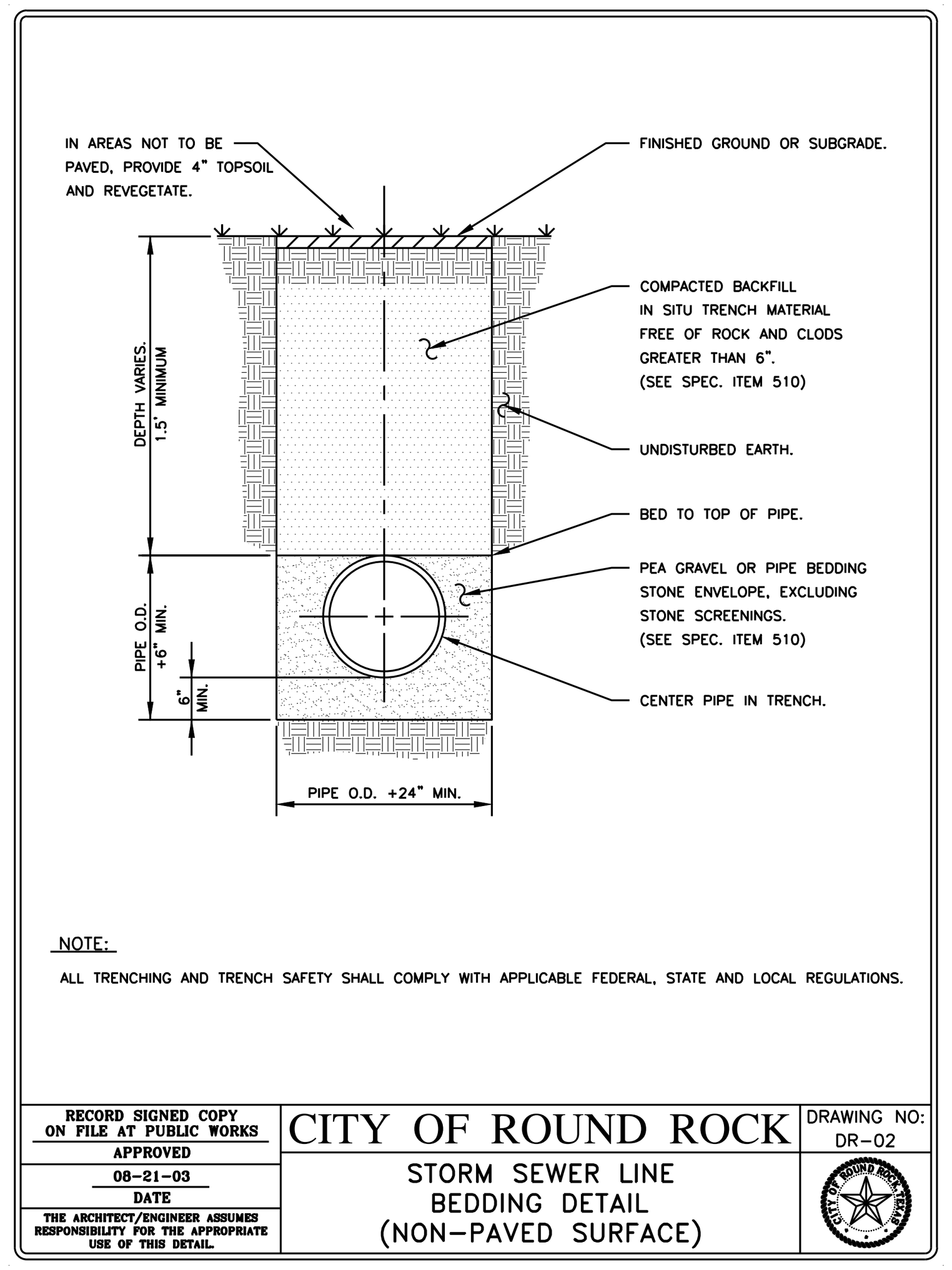
EROSION SEDIMENTATION CONTROL DETAILS

SHEET NO.
C71



SAW CUT (SEE NOTE 2)
SURFACE PATCH: 2" H.M.A.C. TYPE "D" (TYP.) (SEE NOTE 1)
SAW CUT
EXISTING ASPHALT
EXISTING BASE MATERIAL
PRIME COAT
BACKFILL SHALL BE CEMENT STABILIZED FLEXIBLE BASE, FLOWABLE BACKFILL OR CLASS J CONCRETE
PECOMPACTED FLEXIBLE BASE MATERIAL @ 95%, MATCHING EXISTING BASE MATERIAL
BED TO TOP OF PIPE
PIPE BEDDING STONE SHALL BE TEXAS CRUSHED STONE 3/8" F OR 1/2" D ROCK
CENTER PIPE IN TRENCH
PIPE O.D. +6" MIN.
6" MIN.
PIPE O.D. +24" MIN.
NOTES:
1. H.M.A.C. SHOWN IN THIS DETAIL IS SEPARATE FROM ANY ADDITIONAL THICKNESS CREATED BY ANY OVERLAY ITEM IN CONTRACT.
2. THE CONTRACTOR SHALL SAW CUT, REMOVE AND REPLACE EXISTING PAVEMENT AND FLEXIBLE BASE A MINIMUM OF 6" BEYOND EITHER THE EDGE OF THE STORM SEWER TRENCH OR THE POINT WHERE EXISTING PAVEMENT IS DAMAGED DUE TO TRENCHING OPERATIONS, WHICHEVER IS GREATER.
3. INSTALLATION OF BACKFILL, SAW CUTTING AND REMOVAL OF EXISTING PAVEMENT AND SURFACE PATCH, SHALL NOT BE PAID FOR SEPARATELY. COSTS FOR THESE ITEMS SHALL BE INCLUDED IN UNIT PRICE BIDS FOR STORM SEWER PIPE.
4. THE CONTRACTOR SHALL PROVIDE STEEL PLATES TO SPAN THE TRENCH AS NECESSARY OR TO ALLOW BACKFILL TO CURE. SUCH PLATES SHALL BE SUITABLE FOR VEHICLE PASSAGE OVER THE TRENCH AND SHALL BE SATISFACTORILY ANCHORED IN PLACE. COSTS FOR THIS ITEM SHALL BE INCLUDED IN UNIT PRICE BIDS FOR STORM SEWER PIPE.
5. ALL TRENCHING AND TRENCH SAFETY SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
APPROVED
04-01-10
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)
CITY OF ROUND ROCK
DRAWING NO: DR-01
STORM SEWER LINE BEDDING DETAIL (EXISTING PAVED SURFACE)

01	STORM SEWER BEDDING (EXISTING PAVED)	NTS



IN AREAS NOT TO BE PAVED, PROVIDE 4" TOPSOIL AND REVEGETATE.
FINISHED GROUND OR SUBGRADE.
COMPACTED BACKFILL IN SITU TRENCH MATERIAL FREE OF ROCK AND CLODS GREATER THAN 6". (SEE SPEC. ITEM 510)
UNDISTURBED EARTH.
BED TO TOP OF PIPE.
PEA GRAVEL OR PIPE BEDDING STONE ENVELOPE, EXCLUDING STONE SCREENINGS. (SEE SPEC. ITEM 510)
CENTER PIPE IN TRENCH.
DEPTH VARIES. 1.5' MINIMUM
PIPE O.D. +6" MIN.
6" MIN.
PIPE O.D. +24" MIN.
NOTE:
ALL TRENCHING AND TRENCH SAFETY SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
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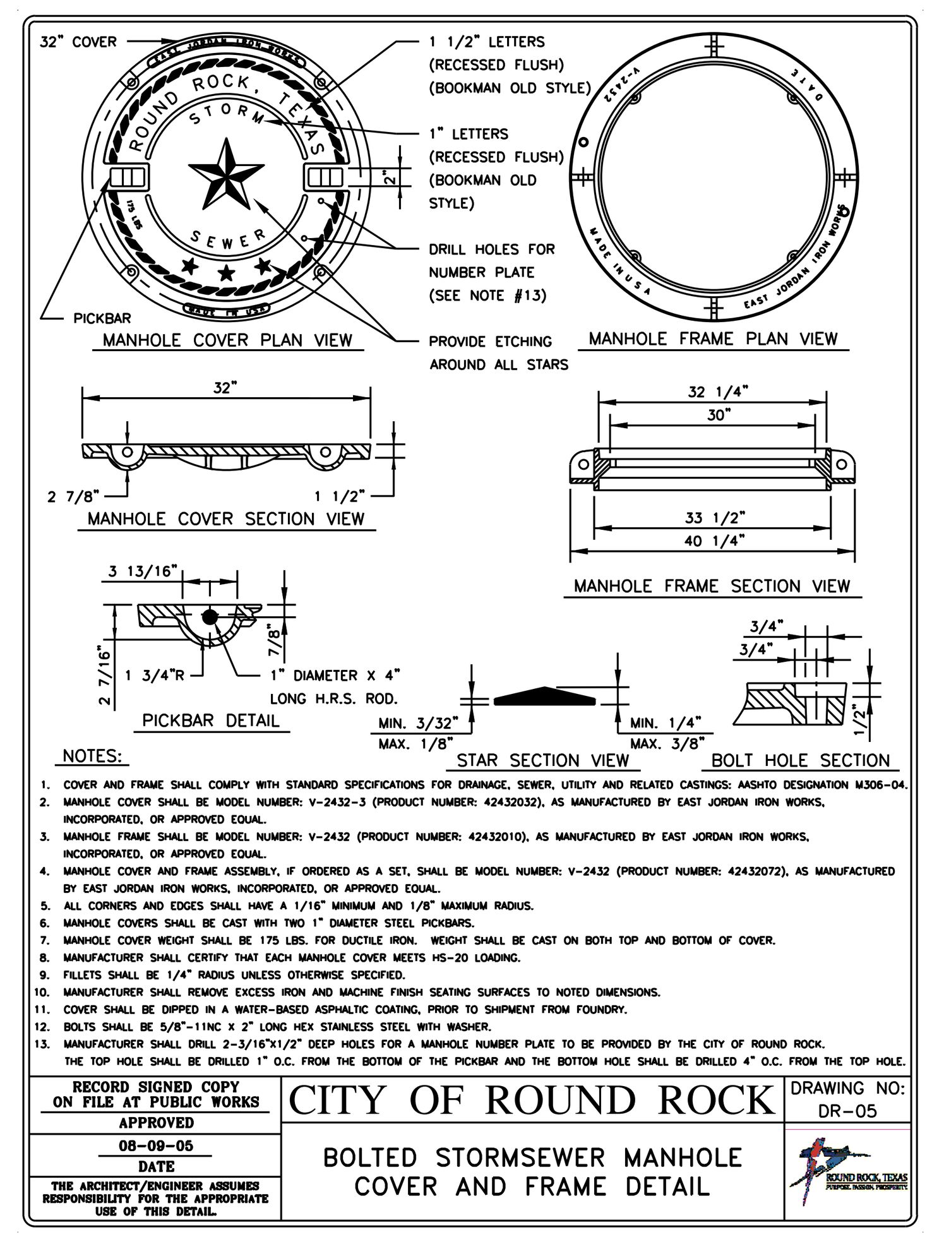
APPROVED
08-21-03
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.
CITY OF ROUND ROCK
DRAWING NO: DR-02
STORM SEWER LINE BEDDING DETAIL (NON-PAVED SURFACE)

02	STORM SEWER BEDDING (NON-PAVED)	NTS



32" COVER
1 1/2" LETTERS (RECESSED FLUSH) (BOOKMAN OLD STYLE)
1" LETTERS (RECESSED FLUSH) (BOOKMAN OLD STYLE)
DRILL HOLES FOR NUMBER PLATE (SEE NOTE #13)
PROVIDE ETCHING AROUND ALL STARS
ROUND ROCK, TEXAS
STORM SEWER
PICKBAR
MANHOLE COVER PLAN VIEW
MANHOLE FRAME PLAN VIEW
32"
2 7/8"
1 1/2"
MANHOLE COVER SECTION VIEW
32 1/4"
30"
33 1/2"
40 1/4"
MANHOLE FRAME SECTION VIEW
3 13/16"
2 7/16"
7/8"
1 3/4"R
1" DIAMETER X 4" LONG H.R.S. ROD.
PICKBAR DETAIL
MIN. 3/32" MAX. 1/8"
STAR SECTION VIEW
MIN. 1/4" MAX. 3/8"
3/4"
3/4"
1/2"
BOLT HOLE SECTION
NOTES:
1. COVER AND FRAME SHALL COMPLY WITH STANDARD SPECIFICATIONS FOR DRAINAGE, SEWER, UTILITY AND RELATED CASTINGS: AASHTO DESIGNATION M306-04.
2. MANHOLE COVER SHALL BE MODEL NUMBER: V-2432-3 (PRODUCT NUMBER: 42432032), AS MANUFACTURED BY EAST JORDAN IRON WORKS, INCORPORATED, OR APPROVED EQUAL.
3. MANHOLE FRAME SHALL BE MODEL NUMBER: V-2432 (PRODUCT NUMBER: 42432010), AS MANUFACTURED BY EAST JORDAN IRON WORKS, INCORPORATED, OR APPROVED EQUAL.
4. MANHOLE COVER AND FRAME ASSEMBLY, IF ORDERED AS A SET, SHALL BE MODEL NUMBER: V-2432 (PRODUCT NUMBER: 42432072), AS MANUFACTURED BY EAST JORDAN IRON WORKS, INCORPORATED, OR APPROVED EQUAL.
5. ALL CORNERS AND EDGES SHALL HAVE A 1/16" MINIMUM AND 1/8" MAXIMUM RADIUS.
6. MANHOLE COVERS SHALL BE CAST WITH TWO 1" DIAMETER STEEL PICKBARS.
7. MANHOLE COVER WEIGHT SHALL BE 175 LBS. FOR DUCTILE IRON. WEIGHT SHALL BE CAST ON BOTH TOP AND BOTTOM OF COVER.
8. MANUFACTURER SHALL CERTIFY THAT EACH MANHOLE COVER MEETS HS-20 LOADING.
9. FILLETS SHALL BE 1/4" RADIUS UNLESS OTHERWISE SPECIFIED.
10. MANUFACTURER SHALL REMOVE EXCESS IRON AND MACHINE FINISH SEATING SURFACES TO NOTED DIMENSIONS.
11. COVER SHALL BE DIPPED IN A WATER-BASED ASPHALTIC COATING, PRIOR TO SHIPMENT FROM FOUNDRY.
12. BOLTS SHALL BE 5/8"-11NC X 2" LONG HEX STAINLESS STEEL WITH WASHER.
13. MANUFACTURER SHALL DRILL 2-3/16"X1/2" DEEP HOLES FOR A MANHOLE NUMBER PLATE TO BE PROVIDED BY THE CITY OF ROUND ROCK. THE TOP HOLE SHALL BE DRILLED 1" O.C. FROM THE BOTTOM OF THE PICKBAR AND THE BOTTOM HOLE SHALL BE DRILLED 4" O.C. FROM THE TOP HOLE.
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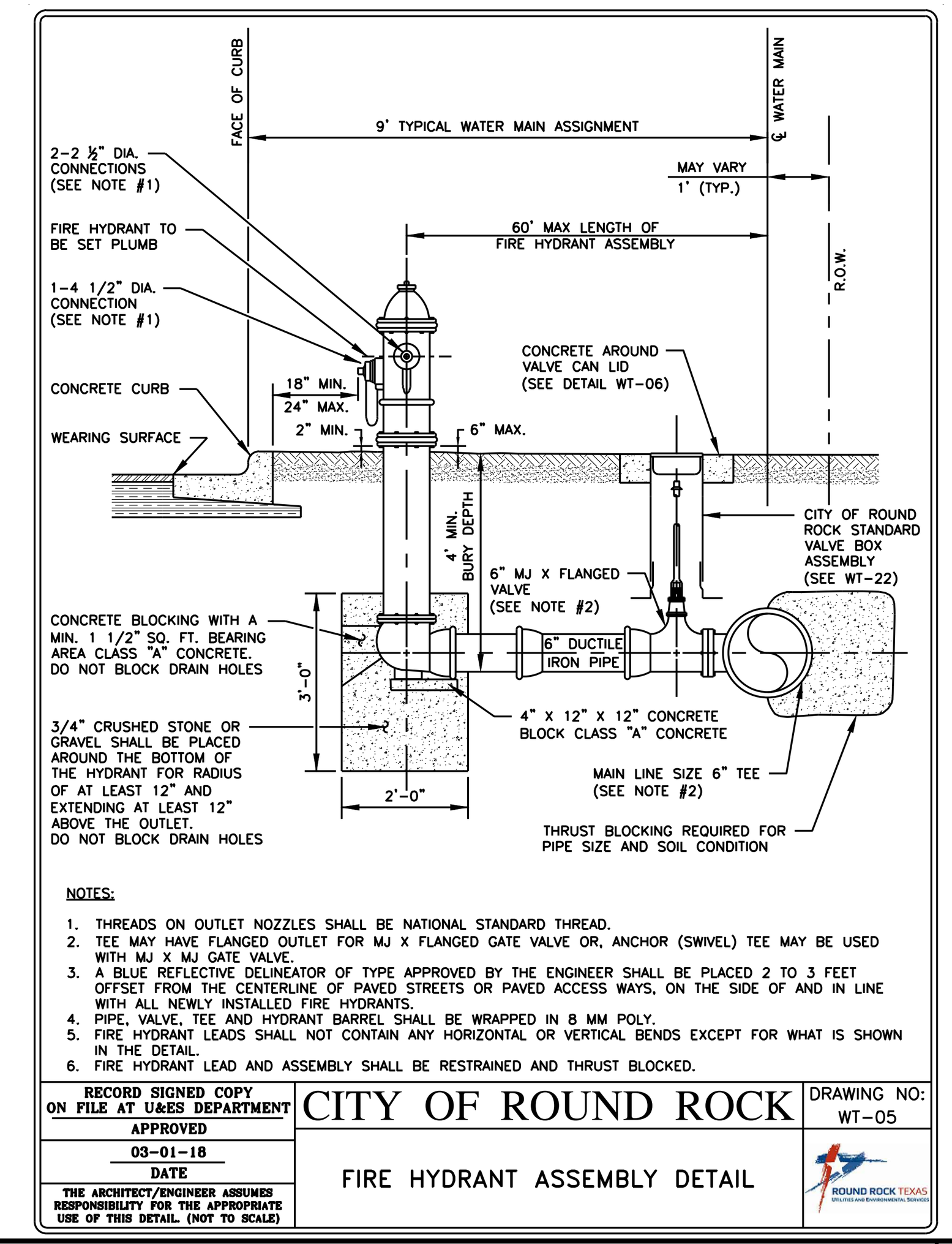
08-09-05
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.
CITY OF ROUND ROCK
DRAWING NO: DR-05
BOLTED STORMSEWER MANHOLE COVER AND FRAME DETAIL

03	SS MANHOLE COVER DETAIL	NTS



FACE OF CURB
9' TYPICAL WATER MAIN ASSIGNMENT
℄ WATER MAIN
MAY VARY 1' (TYP.)
60' MAX LENGTH OF FIRE HYDRANT ASSEMBLY
R.O.W.
2-2 ½" DIA. CONNECTIONS (SEE NOTE #1)
FIRE HYDRANT TO BE SET PLUMB
1-4 1/2" DIA. CONNECTION (SEE NOTE #1)
CONCRETE CURB
WEARING SURFACE
18" MIN.
24" MAX.
2" MIN.
6" MAX.
CONCRETE AROUND VALVE CAN LID (SEE DETAIL WT-06)
4' MIN. BURY DEPTH
6" MJ X FLANGED VALVE (SEE NOTE #2)
CITY OF ROUND ROCK STANDARD VALVE BOX ASSEMBLY (SEE WT-22)
6" DUCTILE IRON PIPE
CONCRETE BLOCKING WITH A MIN. 1 1/2" SQ. FT. BEARING AREA CLASS "A" CONCRETE. DO NOT BLOCK DRAIN HOLES
3'-0"
4" X 12" X 12" CONCRETE BLOCK CLASS "A" CONCRETE
3/4" CRUSHED STONE OR GRAVEL SHALL BE PLACED AROUND THE BOTTOM OF THE HYDRANT FOR RADIUS OF AT LEAST 12" AND EXTENDING AT LEAST 12" ABOVE THE OUTLET. DO NOT BLOCK DRAIN HOLES
2'-0"
MAIN LINE SIZE 6" TEE (SEE NOTE #2)
THRUST BLOCKING REQUIRED FOR PIPE SIZE AND SOIL CONDITION
NOTES:
1. THREADS ON OUTLET NOZZLES SHALL BE NATIONAL STANDARD THREAD.
2. TEE MAY HAVE FLANGED OUTLET FOR MJ X FLANGED GATE VALVE OR, ANCHOR (SWIVEL) TEE MAY BE USED WITH MJ X MJ GATE VALVE.
3. A BLUE REFLECTIVE DELINEATOR OF TYPE APPROVED BY THE ENGINEER SHALL BE PLACED 2 TO 3 FEET OFFSET FROM THE CENTERLINE OF PAVED STREETS OR PAVED ACCESS WAYS, ON THE SIDE OF AND IN LINE WITH ALL NEWLY INSTALLED FIRE HYDRANTS.
4. PIPE, VALVE, TEE AND HYDRANT BARREL SHALL BE WRAPPED IN 8 MM POLY.
5. FIRE HYDRANT LEADS SHALL NOT CONTAIN ANY HORIZONTAL OR VERTICAL BENDS EXCEPT FOR WHAT IS SHOWN IN THE DETAIL.
6. FIRE HYDRANT LEAD AND ASSEMBLY SHALL BE RESTRAINED AND THRUST BLOCKED.
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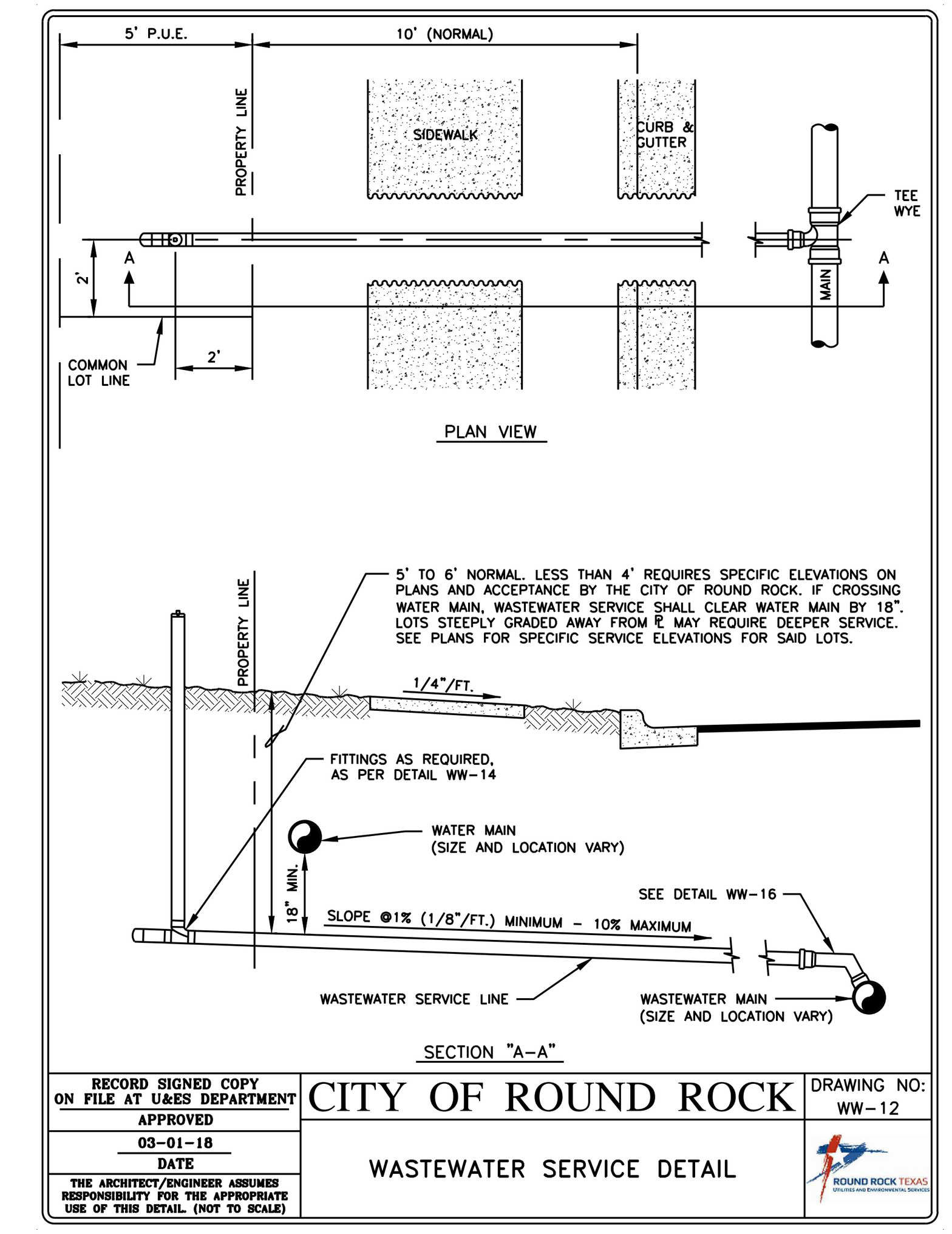
APPROVED
03-01-18
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)
CITY OF ROUND ROCK
DRAWING NO: WT-05
FIRE HYDRANT ASSEMBLY DETAIL

04	FIRE HYDRANT ASSEMBLY	NTS



5' P.U.E.
10' (NORMAL)
PROPERTY LINE
SIDEWALK
CURB & GUTTER
TEE WYE
MAIN
COMMON LOT LINE
2'
2'
PLAN VIEW
5' TO 6' NORMAL. LESS THAN 4' REQUIRES SPECIFIC ELEVATIONS ON PLANS AND ACCEPTANCE BY THE CITY OF ROUND ROCK. IF CROSSING WATER MAIN, WASTEWATER SERVICE SHALL CLEAR WATER MAIN BY 18". LOTS STEEPLY GRADED AWAY FROM ℄ MAY REQUIRE DEEPER SERVICE. SEE PLANS FOR SPECIFIC SERVICE ELEVATIONS FOR SAID LOTS.
1/4"/FT.
FITTINGS AS REQUIRED, AS PER DETAIL WW-14
WATER MAIN (SIZE AND LOCATION VARY)
18" MIN.
SEE DETAIL WW-16
SLOPE @1% (1/8"/FT.) MINIMUM - 10% MAXIMUM
WASTEWATER SERVICE LINE
WASTEWATER MAIN (SIZE AND LOCATION VARY)
SECTION "A-A"
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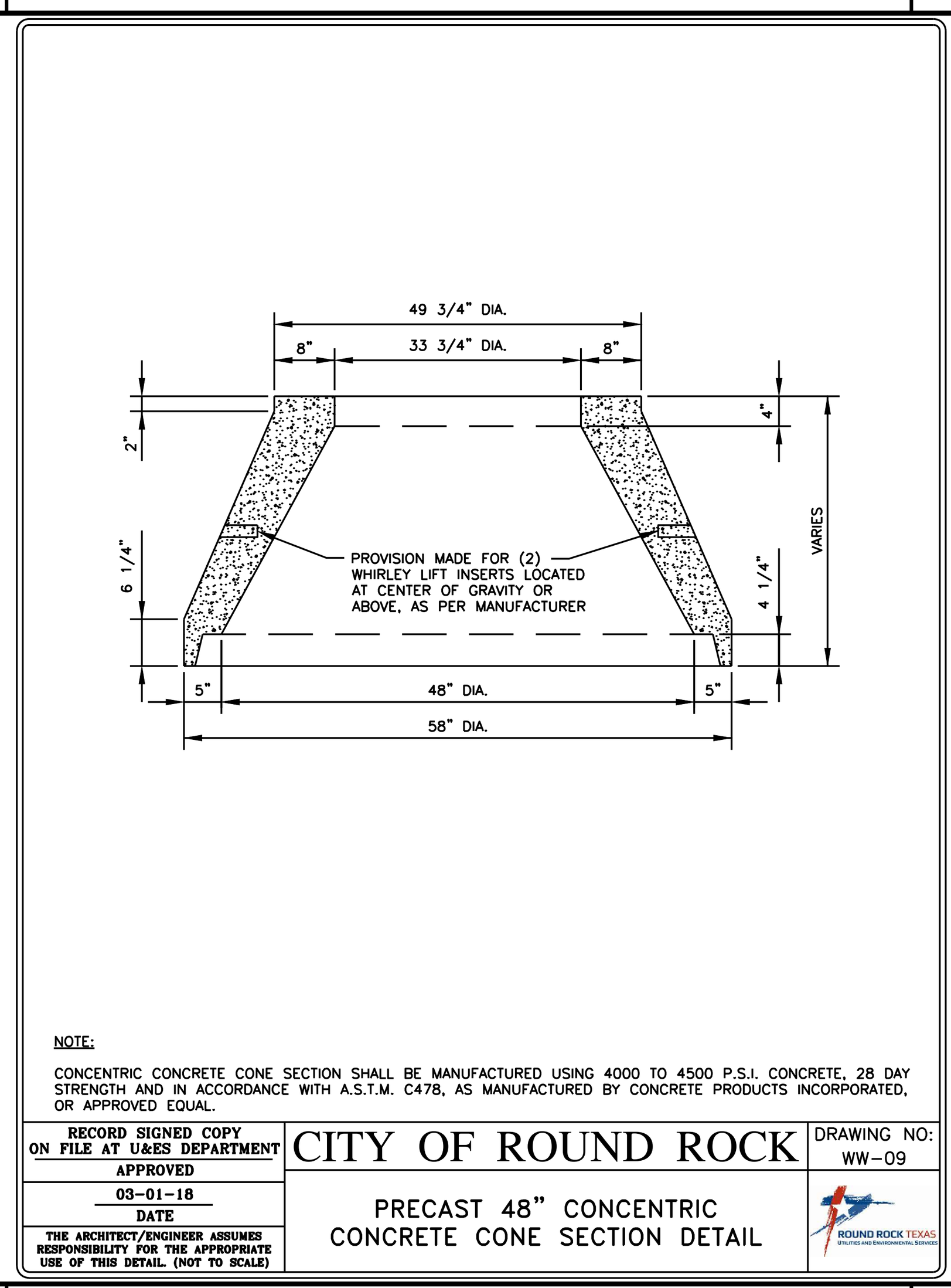
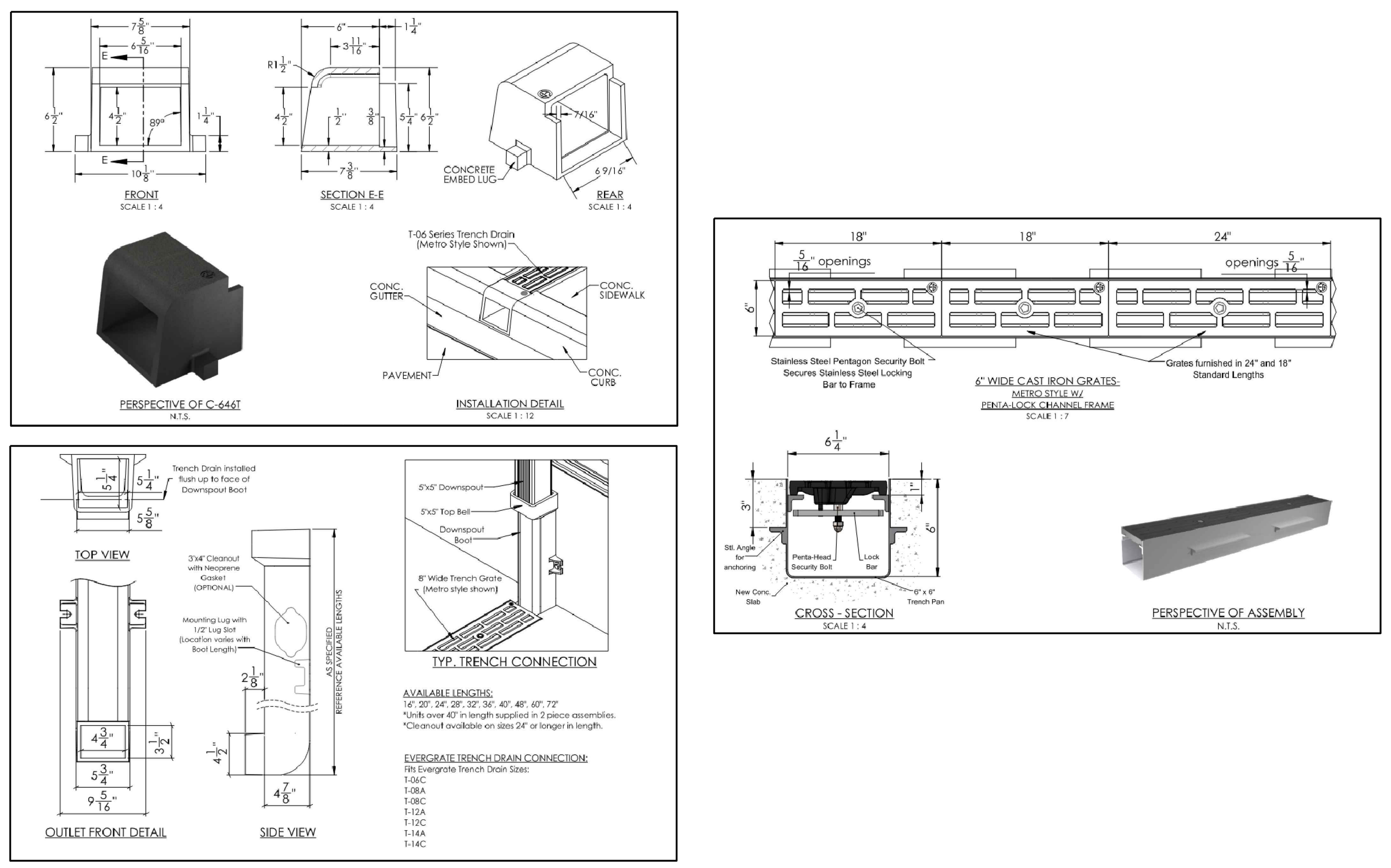
APPROVED
03-01-18
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)
CITY OF ROUND ROCK
DRAWING NO: WW-12
WASTEWATER SERVICE DETAIL

05	WASTEWATER SERVICE DETAIL	NTS



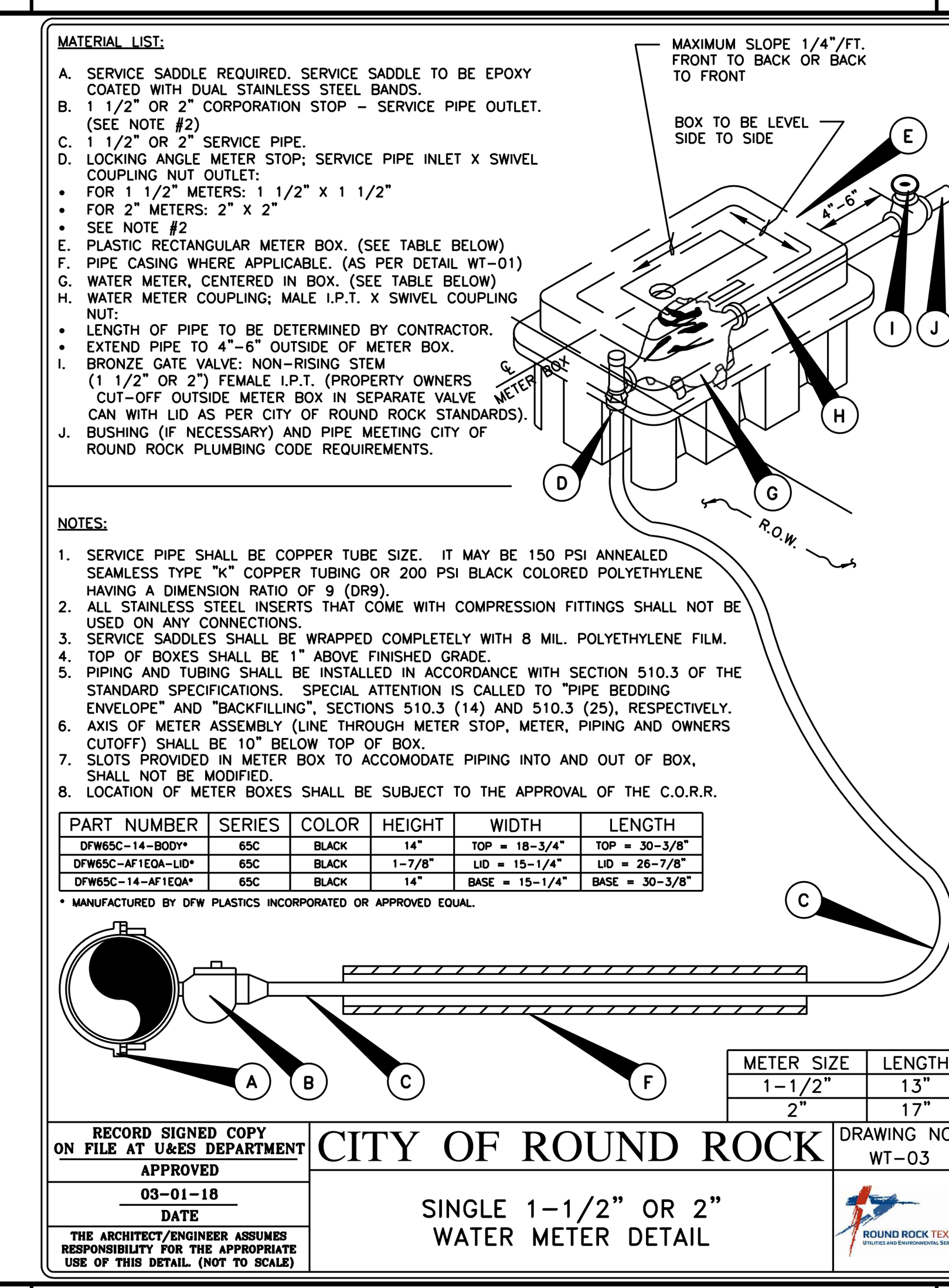
49 3/4" DIA.
8"
33 3/4" DIA.
8"
2"
4"
VARIES
6 1/4"
4 1/4"
PROVISION MADE FOR (2) WHIRLEY LIFT INSERTS LOCATED AT CENTER OF GRAVITY OR ABOVE, AS PER MANUFACTURER
5"
48" DIA.
5"
58" DIA.
NOTE:
CONCENTRIC CONCRETE CONE SECTION SHALL BE MANUFACTURED USING 4000 TO 4500 P.S.I. CONCRETE, 28 DAY STRENGTH AND IN ACCORDANCE WITH A.S.T.M. C478, AS MANUFACTURED BY CONCRETE PRODUCTS INCORPORATED, OR APPROVED EQUAL.
RECORD SIGNED COPY ON FILE AT U&ES DEPARTMENT
APPROVED
03-01-18
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)
CITY OF ROUND ROCK
DRAWING NO: WW-09
PRECAST 48" CONCENTRIC CONCRETE CONE SECTION DETAIL

06	MANHOLE CONE DETAIL	NTS



FRONT
SCALE 1 : 4
SECTION E-E
SCALE 1 : 4
CONCRETE EMBED LUG
REAR
SCALE 1 : 4
PERSPECTIVE OF C-646T
N.T.S.
T-06 Series Trench Drain (Metro Style Shown)
CONC. GUTTER
CONC. SIDEWALK
PAVEMENT
CONC. CURB
INSTALLATION DETAIL
SCALE 1 : 12
Trench Drain installed flush up to face of Downspout Boot
TOP VIEW
3'x4" Cleanout with Neoprene Gasket (OPTIONAL)
Mounting Lug with 1/2" Lug Slot (Location varies with Boot Length)
AS SPECIFIED
REFERENCE AVAILABLE LENGTHS
OUTLET FRONT DETAIL
SIDE VIEW
5"x5" Downspout
5"x5" Top Bell
Downspout Boot
8" Wide Trench Grate (Metro style shown)
TYP. TRENCH CONNECTION
AVAILABLE LENGTHS:
16", 20", 24", 28", 32", 36", 40", 48", 60", 72"
*Units over 40" in length supplied in 2 piece assemblies.
*Cleanout available on sizes 24" or longer in length.
EVERGRATE TRENCH DRAIN CONNECTION:
Fits Evergrate Trench Drain Sizes:
T-06C
T-08A
T-08C
T-12A
T-12C
T-14A
T-14C
18"
18"
24"
5/16" openings
openings 5/16"
6"
Stainless Steel Pentagon Security Bolt Secures Stainless Steel Locking Bar to Frame
Grates furnished in 24" and 18" Standard Lengths
6" WIDE CAST IRON GRATES-
METRO STYLE W/
PENTA-LOCK CHANNEL FRAME
SCALE 1 : 7
Stl. Angle for anchoring
Penta-Head Security Bolt
Lock Bar
New Conc. Slab
6" x 6" Trench Pan
CROSS - SECTION
SCALE 1 : 4
PERSPECTIVE OF ASSEMBLY
N.T.S.

07	TRENCH BOX AND DOWNSPOUT CONNECTOR	NTS



MATERIAL LIST:
A. SERVICE SADDLE REQUIRED. SERVICE SADDLE TO BE EPOXY COATED WITH DUAL STAINLESS STEEL BANDS.
B. 1 1/2" OR 2" CORPORATION STOP - SERVICE PIPE OUTLET. (SEE NOTE #2)
C. 1 1/2" OR 2" SERVICE PIPE.
D. LOCKING ANGLE METER STOP; SERVICE PIPE INLET X SWIVEL COUPLING NUT OUTLET:
• FOR 1 1/2" METERS: 1 1/2" X 1 1/2"
• FOR 2" METERS: 2" X 2"
• SEE NOTE #2
E. PLASTIC RECTANGULAR METER BOX. (SEE TABLE BELOW)
F. PIPE CASING WHERE APPLICABLE. (AS PER DETAIL WT-01)
G. WATER METER, CENTERED IN BOX. (SEE TABLE BELOW)
H. WATER METER COUPLING; MALE I.P.T. X SWIVEL COUPLING NUT:
• LENGTH OF PIPE TO BE DETERMINED BY CONTRACTOR.
• EXTEND PIPE TO 4"-6" OUTSIDE OF METER BOX.
I. BRONZE GATE VALVE: NON-RISING STEM (1 1/2" OR 2") FEMALE I.P.T. (PROPERTY OWNERS CUT-OFF OUTSIDE METER BOX IN SEPARATE VALVE CAN WITH LID AS PER CITY OF ROUND ROCK STANDARDS).
J. BUSHING (IF NECESSARY) AND PIPE MEETING CITY OF ROUND ROCK PLUMBING CODE REQUIREMENTS.
MAXIMUM SLOPE 1/4"/FT. FRONT TO BACK OR BACK TO FRONT
BOX TO BE LEVEL SIDE TO SIDE
4"-6"
℄ METER BOX
R.O.W.
NOTES:
1. SERVICE PIPE SHALL BE COPPER TUBE SIZE. IT MAY BE 150 PSI ANNEALED SEAMLESS TYPE "K" COPPER TUBING OR 200 PSI BLACK COLORED POLYETHYLENE HAVING A DIMENSION RATIO OF 9 (DR9).
2. ALL STAINLESS STEEL INSERTS THAT COME WITH COMPRESSION FITTINGS SHALL NOT BE USED ON ANY CONNECTIONS.
3. SERVICE SADDLES SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
4. TOP OF BOXES SHALL BE 1" ABOVE FINISHED GRADE.
5. PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 510.3 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS CALLED TO "PIPE BEDDING ENVELOPE" AND "BACKFILLING", SECTIONS 510.3 (14) AND 510.3 (25), RESPECTIVELY.
6. AXIS OF METER ASSEMBLY (LINE THROUGH METER STOP, METER, PIPING AND OWNERS CUTOFF) SHALL BE 10" BELOW TOP OF BOX.
7. SLOTS PROVIDED IN METER BOX TO ACCOMODATE PIPING INTO AND OUT OF BOX, SHALL NOT BE MODIFIED.
8. LOCATION OF METER BOXES SHALL BE SUBJECT TO THE APPROVAL OF THE C.O.R.R.
PART NUMBER | SERIES | COLOR | HEIGHT | WIDTH | LENGTH
DFW65C-14-BODY* | 65C | BLACK | 14" | TOP = 18-3/4" | TOP = 30-3/8"
DFW65C-AF1EQA-LID* | 65C | BLACK | 1-7/8" | LID = 15-1/4" | LID = 26-7/8"
DFW65C-14-AF1EQA* | 65C | BLACK | 14" | BASE = 15-1/4" | BASE = 30-3/8"
* MANUFACTURED BY DFW PLASTICS INCORPORATED OR APPROVED EQUAL.
METER SIZE | LENGTH
1-1/2" | 13"
2" | 17"
RECORD SIGNED COPY ON FILE AT U&ES DEPARTMENT
APPROVED
03-01-18
DATE
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)
CITY OF ROUND ROCK
DRAWING NO: WT-03
SINGLE 1-1/2" OR 2" WATER METER DETAIL

08	2IN WATER METER	NTS

HAGOOD ENGINEERING ASSOCIATES
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Round Rock, TX 78664
Phone (512) 244-1546
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TBPE Registration No. F-12709

STATE OF TEXAS
TERRY R. HAGOOD
52960
REGISTERED PROFESSIONAL ENGINEER

[illegible]

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TERRY R. HAGOOD, P.E. 52960
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.

JOB NO. 22-034 © 2023 HEA, Inc.

DATE SIGNED: 6/23/2023
ISSUED FOR: AGENCY REVIEW

SITE DEVELOPMENT PLANS FOR CHASCO FAMILY YMCA OUTDOOR AQUATICS 1801 N. INTERSTATE HIGHWAY 35 ROUND ROCK, TEXAS 78665

REVISIONS

NO.	DATE	DESCRIPTION

HEA PROJECT NO.22-034
ISSUED DATE: 6/23/2023

UTILITY DETAILS

SHEET NO.
C72
28
