

# THE CITY OF FORT WORTH, TEXAS PLANS FOR CONSTRUCTION OF

CURRENT CONSTRUCTION STANDARDS FOR DEVELOPMENTS JUNE 10, 2022, SHALL GOVERN ON THIS PROJECT.

✓  
P & G  
N/A  
UTILS  
10/19/2022



# BREWER BOULEVARD

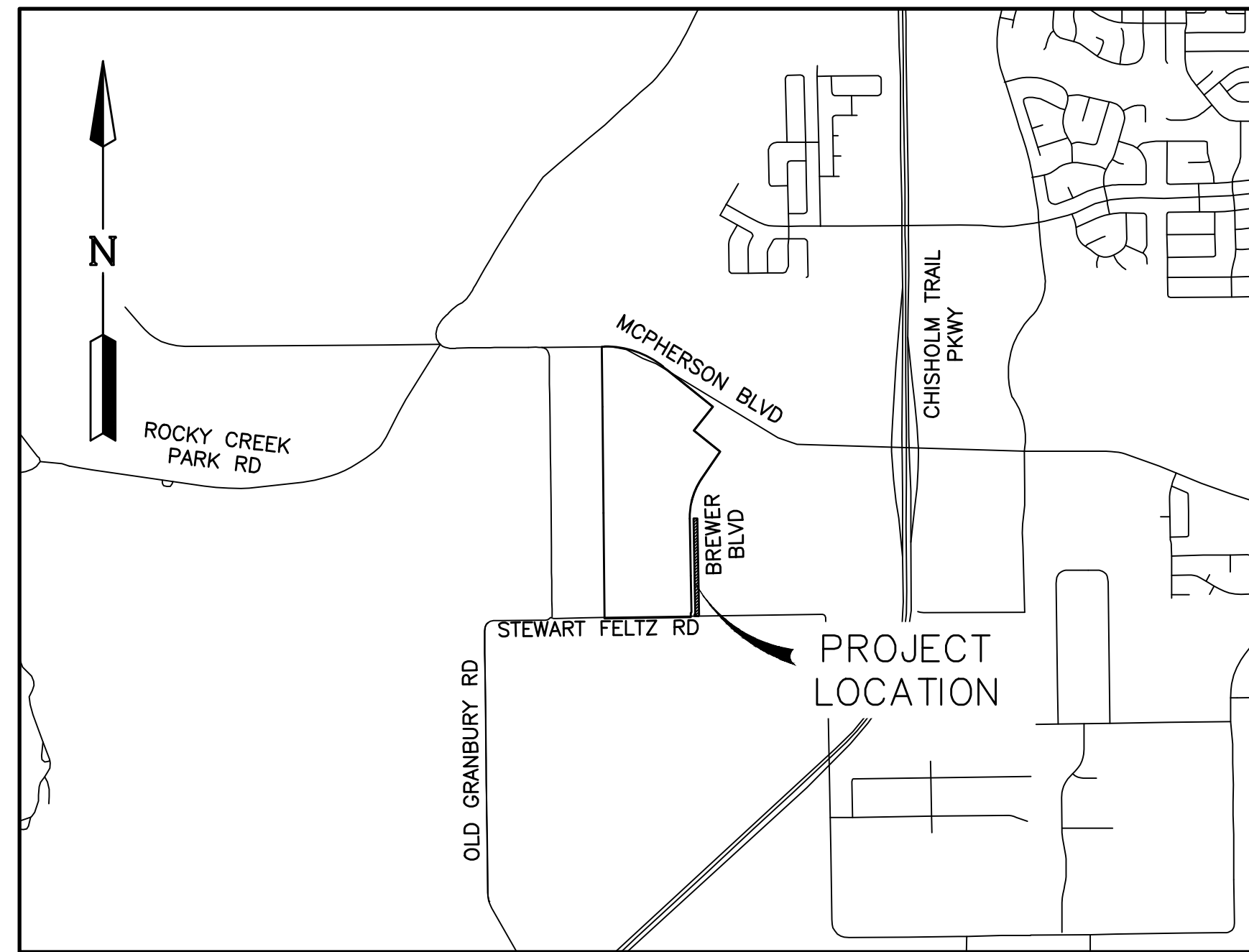
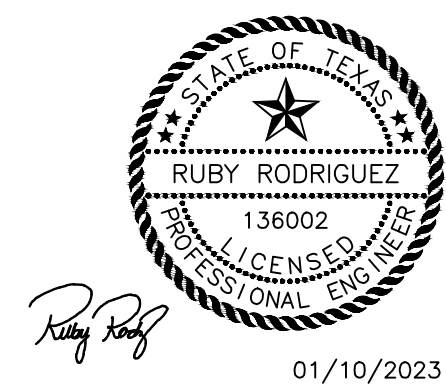
## 24 INCH WATER MAIN

**MATTIE PARKER**  
MAYOR

**DAVID COOKE**  
CITY MANAGER

**MICHAEL OWEN, P.E.**  
CITY ENGINEER, TRANSPORTATION AND  
PUBLIC WORKS DEPARTMENT

**CHRISTOPHER P. HARDER, P.E.**  
DIRECTOR, WATER DEPARTMENT



LOCATION MAP  
1" = 2000'

MAPSCO NO. 102U  
COUNCIL DISTRICT 6

**OCTOBER 2022**

OWNED/DEVELOPED BY:  
MERITAGE HOMES OF TEXAS, LLC  
DAVID AUGHINBAUGH  
8840 CYPRESS WATERS BLVD, SUITE 100  
DALLAS, TEXAS 75019  
972-580-6300

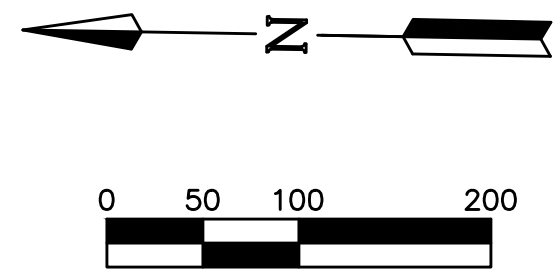
PREPARED BY:  
**LJA Engineering, Inc.**  
6060 North Central Expressway  
Suite 400  
Dallas, Texas 75206  
Phone 469.621.0710  
FRN - F-1386

DIRECTORS DESIGNEE FOR CONSTRUCTION \_\_\_\_\_ DATE: \_\_\_\_\_  
PLAN APPROVAL  
RESOLUTION NO. 01-10-2020

REVIEWED \_\_\_\_\_ DATE: \_\_\_\_\_  
PROJECT MANAGER

UNIT I - WATER & SEWER IMPROVEMENTS	
SHEET NO	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES
3.	GENERAL NOTES
4.	GENERAL NOTES
5.	OVERALL WATER PLAN
6.	WATER PLAN & PROFILE - WL - 9
7.	WATER DETAILS
8.	WATER DETAILS
9.	WATER DETAILS
10.	EROSION CONTROL
11.	EROSION CONTROL DETAILS
12.	TxDOT DETAILS

IPRC RECORD NO. 22-0242  
CITY PROJECT NO. 104634  
FID NO. 30114-0200431-104634-E07685  
FILE NO: W-XXXX



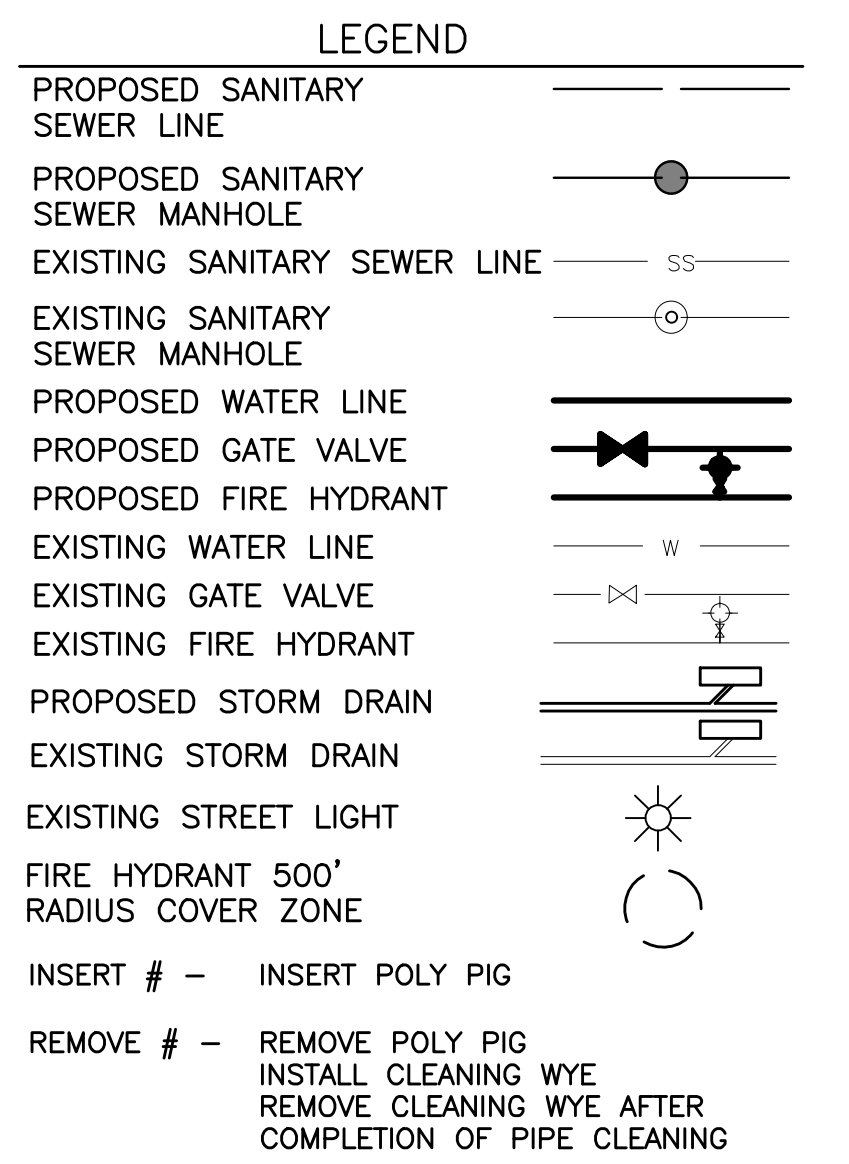
NOTES:  
 ALL EXISTING MEDIANS/ROWS DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL STATE OR BETTER UPON COMPLETION OF THE PROJECT. IN THE EVENT THAT GRASS HAS BEEN DISTRIBUTED, GRASS SHALL BE ESTABLISHED AT 100% BY CONTRACTOR - PRIOR TO SOD OR SEEDING. REMOVE ALL ROCKS GREATER THAN 1" (32 92 13-SODDING-REVISED MAY 13, 2021 OR 32 92 14-NON NATIVE SEEDING - REVISED MAY 12, 2021). ALL DIRT MOUNDS SHALL BE REMOVED FROM MEDIANS, ROWS PRIOR TO SEEDING AFTER CONSTRUCTION IS COMPLETED.

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:  
 FORT WORTH WATER DEPARTMENT 817-392-8296  
 FORT WORTH TRANSPORTATION/PUBLIC WORKS 817-392-8100  
 FOR ALL OTHER FACILITIES www.texas811.org or 1-800-545-6005  
 CONTRACTORS: YOU ARE TO CALL THE TxDOT INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION (SEE SPECS FOR CONTACT NUMBERS).

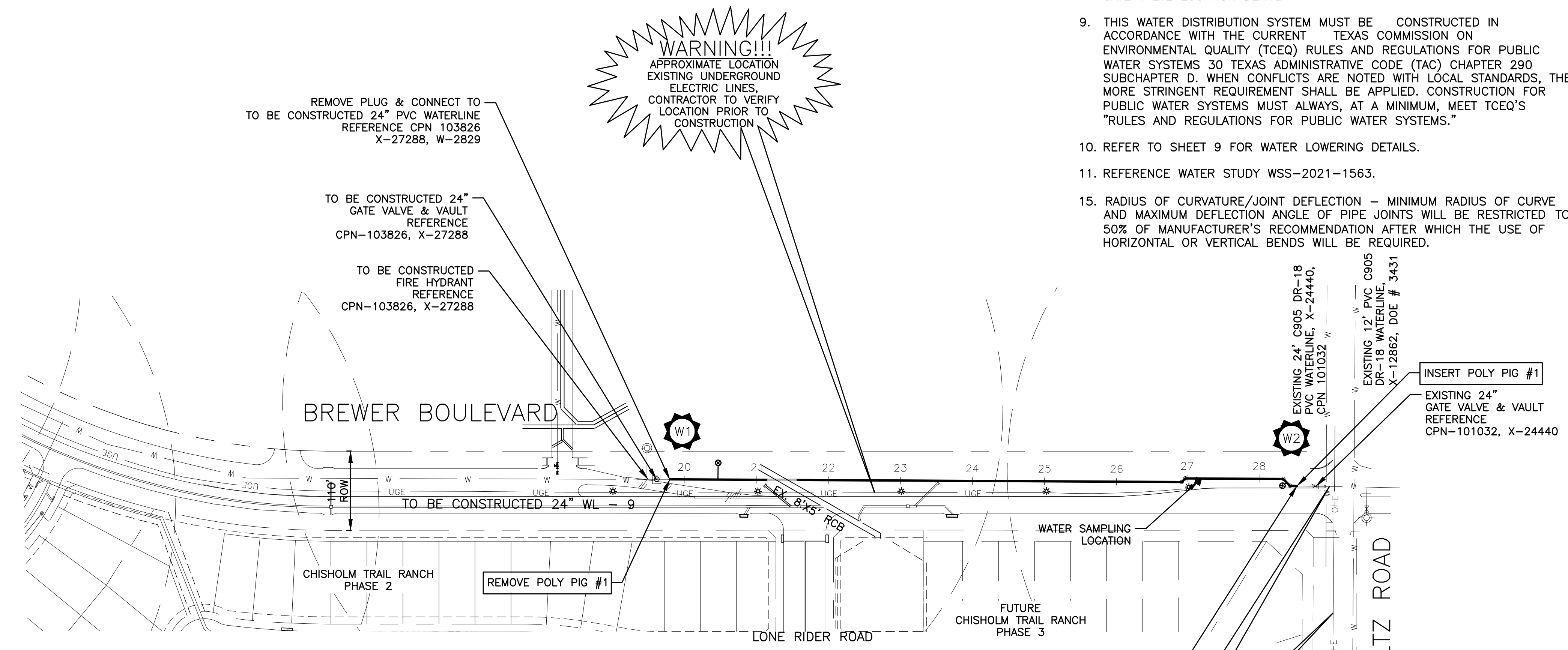


- W1 CONNECT TO TO-BE CONSTRUCTED 24" PVC WATER LINE  
 FID 30114-0200431-103826-E07685  
 FILE NO. W-2829, X-27288  
 CPN 103826
- W2 CONNECT TO EXISTING 24" PVC WATER LINE  
 FILE NO. X-24440  
 CPN 101032

- NOTES:
- ALL CLEANING WYES TO BE REMOVED WHEN CONNECTING TO EXISTING WATERLINES.
  - THE WATER SYMBOLS ARE GRAPHIC IN NATURE. ALL STATIONS CALLOUT THE EXACT LOCATION OF WATERLINE FEATURES.
  - ALL WATERLINES ARE 24" AWWA C-900 DR-14 CLASS 200. UNLESS MARKED OTHERWISE.
  - THIS PROJECT IS LOCATED ENTIRELY WITHIN THE SOUTH SIDE III PRESSURE PLANE.
  - ALL FITTINGS ARE MECHANICAL JOINTS, UNLESS OTHERWISE NOTED.
  - TOTAL NUMBER OF DOM WATER SERVICES TO BE INSTALLED = 0.
  - IRRIGATION SERVICES TO BE INSTALLED = 0.
  - SEE SHEET 7 FOR TYPICAL FIRE HYDRANT ASSEMBLY INSTALLATION AND GATE VALVE LOCATION DETAIL.
  - THIS WATER DISTRIBUTION SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS 30 TEXAS ADMINISTRATIVE CODE (TAC) CHAPTER 290 SUBCHAPTER D. WHEN CONFLICTS ARE NOTED WITH LOCAL STANDARDS, THE MORE STRINGENT REQUIREMENT SHALL BE APPLIED. CONSTRUCTION FOR PUBLIC WATER SYSTEMS MUST ALWAYS, AT A MINIMUM, MEET TCEQ'S "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS."
  - REFER TO SHEET 9 FOR WATER LOWERING DETAILS.
  - REFERENCE WATER STUDY WSS-2021-1563.
  - RADIUS OF CURVATURE/Joint DEFLECTION - MINIMUM RADIUS OF CURVE AND MAXIMUM DEFLECTION ANGLE OF PIPE JOINTS WILL BE RESTRICTED TO 50% OF MANUFACTURER'S RECOMMENDATION AFTER WHICH THE USE OF HORIZONTAL OR VERTICAL BENDS WILL BE REQUIRED.



BENCHMARKS:  
 CITY OF FORT WORTH BENCHMARK NO. 87172:  
 LOCATED ON WEST CLEBURNE ROAD 0.6 MILES SOUTH OF COLUMBUS TRAIL AT SMALL CULVERT UNDER THE ROAD AND 70' NORTH OF 90 DEGREE BEND IN THE ROAD TO THE WEST IN THE CENTER OF THE HEADWALL, LEVEL WITH ASPHALT ROAD, SET IN THE TOP OF THE HEADWALL. ELEV. - 836.265  
 CITY OF FORT WORTH BENCHMARK NO. 87170:  
 LOCATED ON OLD GRANDBURY ROAD 0.2 OF A MILE SOUTH OF COLUMBUS TRAIL AT A CULVERT UNDER THE ROAD ON THE NORTH END OF THE WEST HEADWALL. ELEV. - 723.073



	Location of Water Sampling	Number of Samples	
1)	1000 LF of Pipe	1	EA
2)	Dead End Main	0	EA
3)	Branched Off The Main (Longer Than 20 LF)	0	EA
4)	Fire Line	0	EA
5)	Hydrant	0	EA
	Subtotal	1	EA
	Total Sample Tested (2 Consecutive Passing) =	2	EA
	Total Estimated Cost for Water Sampling (\$30/Each) (Minimum 4 Water Sample Testings)	\$ 60.00	

DATE	REVISION	BY

**OVERALL WATER PLAN**

**Brewer Boulevard  
24 Inch Water Main**

**CITY OF FORT WORTH  
TARRANT COUNTY, TEXAS**

**LJA Engineering, Inc.**  
 6060 North Central Expressway Suite 400  
 Dallas, Texas 75206 Phone 469.621.0710  
 FRN - F-1386

DESIGN: DAVIDSON	LJA PROJECT ID NT680-0082
DRAWN: DAVIDSON	DATE: OCTOBER 2022
	SCALE
	HORIZ: 1" = 100'
	VERT: N/A
	SHEET
	5
	OF 12 SHEETS

01 10 2023

Date \ Time : Tue, 10 Jun 2023 2:28:59pm User Name : eide\jason  
 Path Name : S:\NTA-LAND\032\463-LAND\465-Design-Files\Brewer Blvd Water Line\0822\BML\01.dwg

BREWER BOULEVARD 24 INCH WATER MAIN