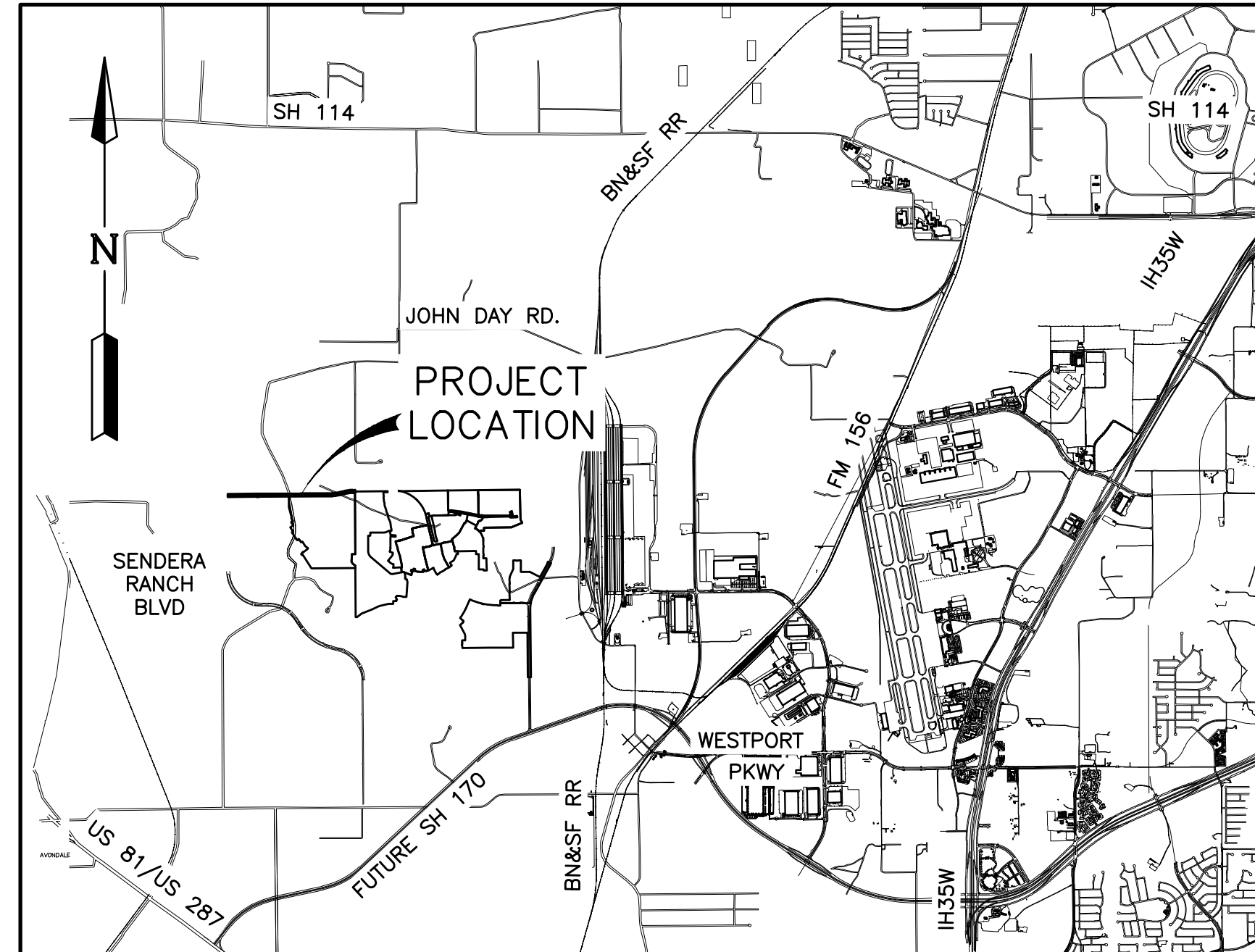


THE CITY OF FORT WORTH, TEXAS PLANS FOR CONSTRUCTION OF

CURRENT CONSTRUCTION STANDARDS FOR DEVELOPMENTS OCTOBER 04, 2019, SHALL GOVERN ON THIS PROJECT.

FORT WORTH **RANCHO CANYON WAY** **30 INCH WATER MAIN**

**4100 LF 30-IN DIP NS4 WATERLINE
IN THE MATTHEW ASHTON SURVEY, ABSTRACT NO. 1
CITY OF FORT WORTH, DENTON COUNTY, TEXAS**



LOCATION MAP
1" = 5000'

UNIT I - WATER & SEWER IMPROVEMENTS

SHEET NO	DESCRIPTION
1.	COVER SHEET
2.-6	DRAFT HORIZONTAL CONTROL PLAN
7-9.	CITY OF FORT WORTH GENERAL NOTES
10.	GENERAL CONSTRUCTION NOTES
11.	OVERALL PRESSURE PLANE MAP
12.	OVERALL WATER PLAN
13.-18.	WATER PLAN & PROFILE
19.-24.	WATER DETAILS

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



MAPSCO NO. 05-G
COUNCIL DISTRICT 7

MAY 2022

DIRECTORS DESIGNEE FOR CONSTRUCTION _____ **DATE:** _____
PLAN APPROVAL
RESOLUTION NO. 01-10-2020

IPRC RECORD NO. IPRC22-0062
CITY PROJECT NO. 104078
FID NO. 30114-0200431-104078-E07685
FILE NO: X-27329

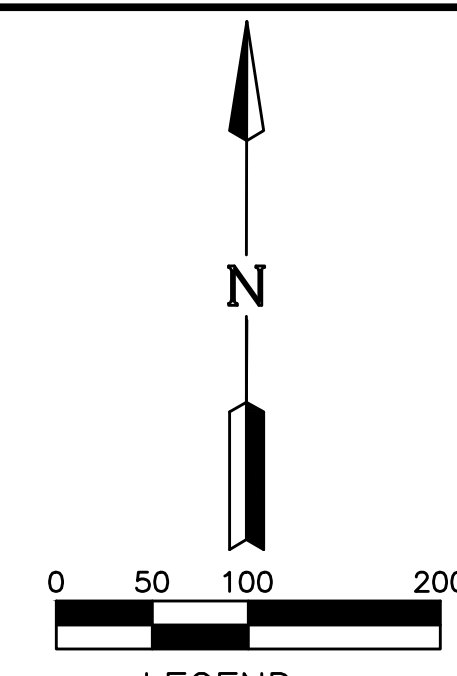
OWNED/DEVELOPED BY:
GBTM SENDERA, LLC
2805 North Dallas Parkway, Suite 400
Plano, Texas 75093
Bobby Samuel
Phone: (469) 573-6755

PREPARED BY:
LJA Engineering, Inc. 
3017 W 7th Street Phone 817.288.1900
Suite 300
Fort Worth, Texas 76107 FRN - F-1386

REVIEWED _____ **DATE:** _____
PROJECT MANAGER

MATCH LINE THIS SHEET

MATCH LINE THIS SHEET



LEGEND

PROPOSED SANITARY SEWER LINE	—●—
PROPOSED SANITARY SEWER MANHOLE	○
EXISTING SANITARY SEWER LINE	—○—
EXISTING SANITARY SEWER MANHOLE	○
PROPOSED WATER LINE	—●—
PROPOSED GATE VALVE	—X—
PROPOSED FIRE HYDRANT	—◆—
EXISTING WATER LINE	—○—
EXISTING GATE VALVE	—X—
EXISTING FIRE HYDRANT	—◆—
NON-TYPICAL SERVICE LOCATION	★

CITY PROJECT NO. XXXXXX
 FID: XXXXX-XXXXXX-XXXXXX-XXXXXX
 X-XXXXX
 W-XXXX
 MAPSCO NO. 05-G



BENCHMARKS:

BENCHMARK NO 1:
 SQUARE CUT WITH 'X' IN CENTER AT BACK OF CURB ON SOUTH SIDE OF SALINDA ROAD ± 45' WEST OF MAINSTAY WAY CENTERLINE. ELEV 752.68

BENCHMARK NO 2:
 SQUARE CUT WITH 'X' IN CENTER AT BACK OF CURB NORTH OF THE PCCR OF SERRANO RIDGE AT COPPER RIDGE ROAD. ELEV 765.50

DATE	REVISION	BY

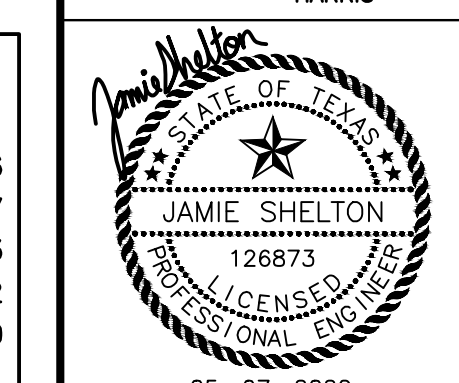
OVERALL WATER PLAN

RANCHO CANYON WAY 30 INCH WATER MAIN

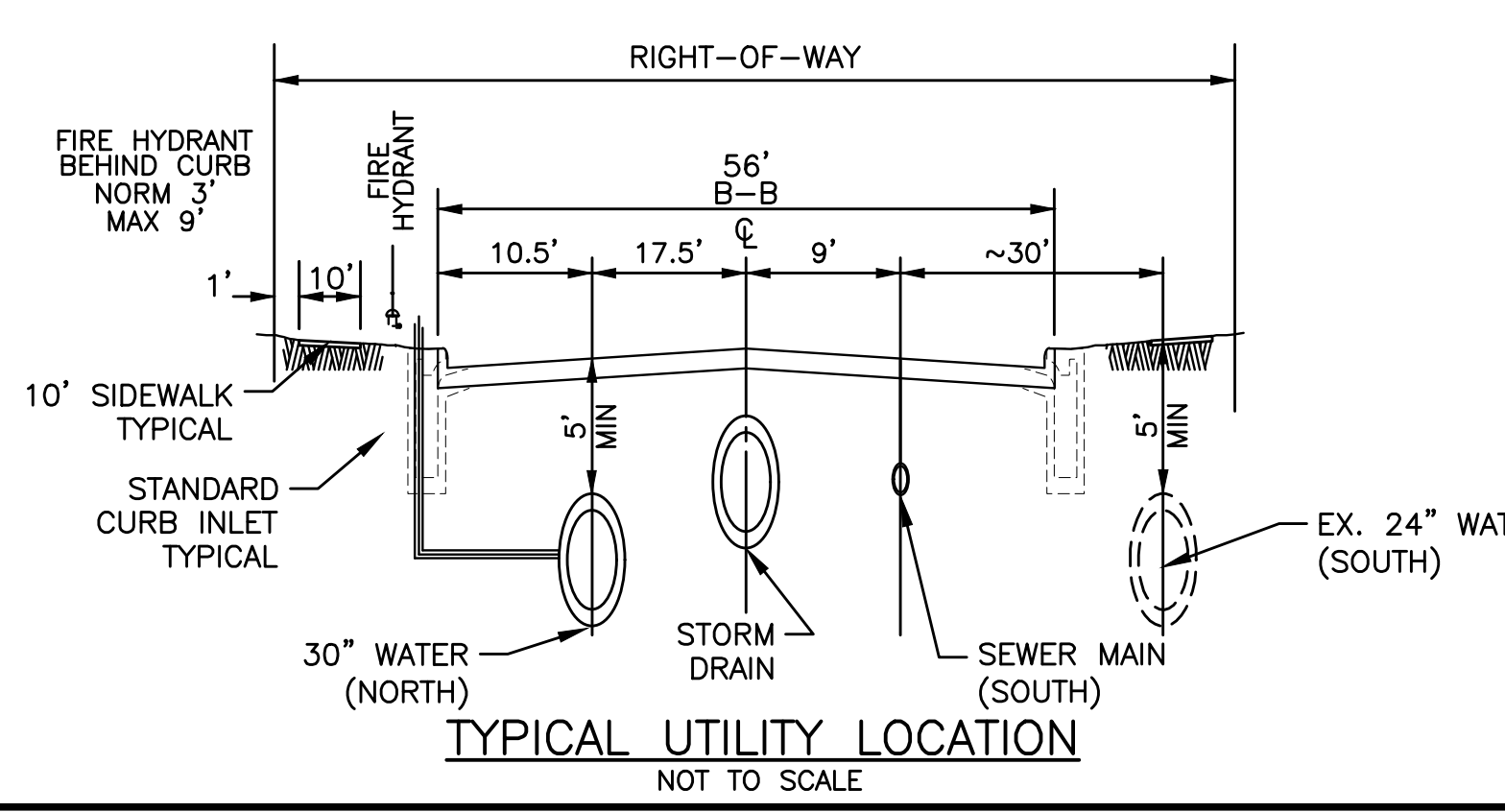
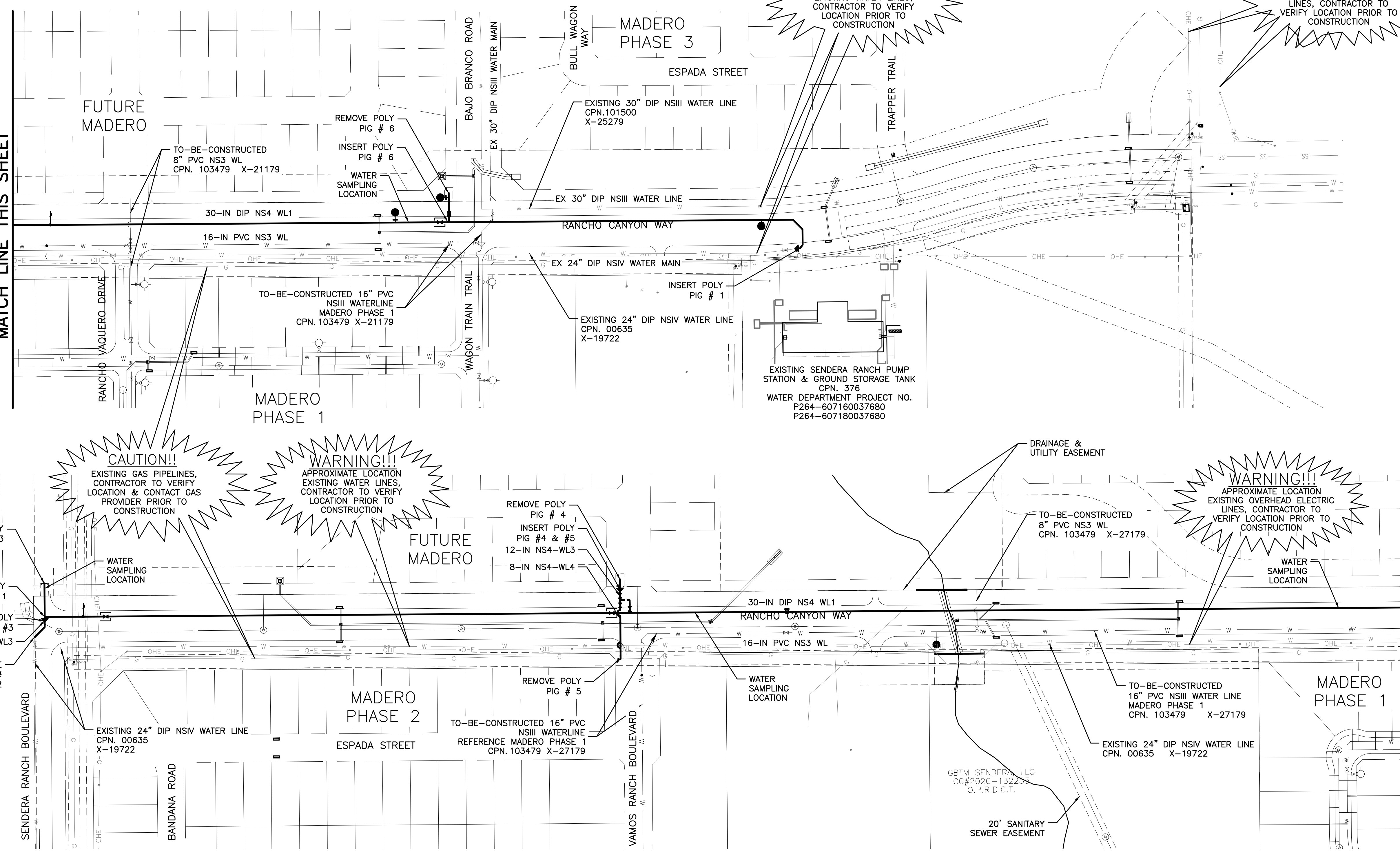
CITY OF FORT WORTH, TEXAS
 WATER DEPARTMENT
 ENGINEERING DIVISION

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

DESIGN: FLORES	LJA PROJECT NO.: NT340-0112
DRAWN: HARRIS	DATE: MAY 2022
	SCALE
	HORZ: 1" = 100'
	VERT: N/A
	SHEET NO. 12
	OF 24 SHEETS



05.07.2022
 FOR CITY REVIEW ONLY NOT FOR CONSTRUCTION



- NOTES:
1. ALL CLEANING WYES TO BE REMOVED WHEN CONNECTING TO EXISTING WATER LINES.
 2. THE WATER SYMBOLS ARE GRAPHIC IN NATURE. ALL STATIONS CALL OUT THE EXACT LOCATION OF WATER LINE FEATURES.
 3. ALL WATERLINES ARE 8" PVC AWWA C-900 DR-14 CLASS 200 UNLESS NOTED.
 4. PROJECT IS LOCATED IN NS IV PRESSURE PLANE.
 5. ALL FITTINGS SHALL BE MECHANICAL JOINTS UNLESS OTHERWISE REQUIRED.
 6. EXISTING GATE VALVES UNDER PROPOSED PAVEMENT WILL BE ADJUSTED TO MATCH PROPOSED GRADE AS REQUIRED.
 7. ALL HORIZONTAL AND VERTICAL FITTINGS MUST BE RESTRAINED AND WITH ADDITIONAL CONCRETE BLOCKING AND GATE VALVE MUST BE RESTRAINED PER DESIGN CRITERIA.
 8. RADIUS OF CURVATURE/JOINT DEFLECTION - MINIMUM RADIUS OF CURVE AND MAXIMUM DEFLECTION ANGLE OF PIPE JOINTS WILL BE RESTRICTED TO 50% OF MANUFACTURER'S RECOMMENDATIONS. AFTER WHICH THE USE OF HORIZONTAL OR VERTICAL BENDS WILL BE REQUIRED. NO BENDING OF PIPE IS ALLOWED.

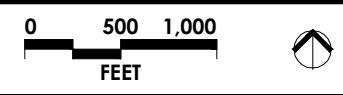
Number of Water Sampling Table	
Location of Water Sampling	Number of Samples
1) 1000 LF of Pipe	4 EA
2) Dead End Main	0 EA
3) Branched Off The Main (Longer Than 20 LF)	2 EA
4) Fire Line	0 EA
5) Hydrant	0 EA
Subtotal	6 EA
Total Sample Tested (2 Consecutive Passing) =	12 EA
Total Estimated Cost for Water Sampling (\$30/Each) (Minimum 4 Water Sample Testings)	\$ 360.00

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

FORT WORTH WATER DEPARTMENT	1-817-871-8296
ATMOS GAS	1-866-332-8667
TXU ELECTRIC DELIVERY	1-800-242-9113
CHARTER COMMUNICATIONS	1-817-509-6272
FORT WORTH TRANSPORTATION/PUBLIC WORKS	1-817-392-8100
FOR OTHER FACILITIES	WWW.TEXAS811.ORG OR 1-800-545-6005

Date/Time: Mon, 09 May 2022 5:35pm User Name: efloros File Name: S:\NTX-CADD\0112\12\WLM00.dwg

RANCHO CANYON WAY 30 INCH WATER MAIN - JOB NO. NT340-0112



CTMGT ALPHA RANCH, LLC
 C.C.# 2012-85300
 O.P.R.D.C.T.

EAGLE PARKWAY

EXISTING 30" WL
 NS3

PHASE 1: 620 LF
 30" NSIV TRANSMISSION MAIN
 30" CITY PARTICIPATION
 16" DEVELOPER COST

PHASE 1: 3285 LF
 30" NSIV TRANSMISSION MAIN
 100% CITY PARTICIPATION

TEXAS CHRISTIAN UNIVERSITY
 VOL. 1122, PG. 638
 (SECOND TRACT)
 D.R.D.C.T.

RANCHO CANYON WAY

MARY LOU LIVENGOOD
 126.980 ACRES
 C.C.# 2013-28993
 D.R.W.C.T.

EXISTING 24" WL
 NS4
 CPN. 00635

EXISTING 24" WL
 NS4
 CPN. 00635

ENNAR HOMES OF TEXAS LAND
 AND CONSTRUCTION, LTD.
 C.C.# 2008-18108
 R.P.R.D.C.T.

NOTES:
 1. QUANTITIES DISPLAYED ON THIS EXHIBIT ARE NOT FINAL AND ARE SUBJECT TO CHANGE PER DESIGN UPDATES

LEGEND

- EXISTING WATER MAINS
- 30" WL = 3285 LF
- 16" WL UPSIZED TO 30" = 620 LF

EXISTING 20" WL
 NS3
 CPN. 103121
 X-26807

WATER IMPROVEMENTS
 COST PARTICIPATION

MADERO PHASE 1

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