

LEGEND

PROPOSED SANITARY SEWER LINE

PROPOSED SANITARY SEWER MANHOLE

EXISTING SANITARY SEWER LINE

EXISTING SANITARY SEWER MANHOLE

PROPOSED WATER LINE

PROPOSED GATE VALVE

PROPOSED FIRE HYDRANT

EXISTING WATER LINE

EXISTING GATE VALVE

EXISTING FIRE HYDRANT

PROPOSED STORM DRAIN

EXISTING STORM DRAIN

NON-TYPICAL WATER SERVICE PLACEMENT

STREET LIGHT

INSERT # - INSERT POLY PIG

REMOVE # - REMOVE POLY PIG

INSTALL CLEANING WYE

REMOVE CLEANING WYE AFTER COMPLETION OF PIPE CLEANING



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

| DATE | REVISION | BY |
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OVERALL WATER PLAN

Chisholm Trail Ranch
Section 3

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

DRAWN: GARCIA

LJA PROJECT ID
NT680-0082

DATE: OCTOBER 2021

SCALE

HORZ: 1" = 100'

VERT: N/A

SHEET
9
OF 125 SHEETS

7/15/2022

- 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 8" AWWA C-900 DR-14 CLASS 200. UNLESS MARKED OTHERWISE.
 - WATERLINES TO BE EXTENDED 20' BEYOND GATE VALVES AT END OF LINES.
 - THIS PROJECT IS LOCATED ENTIRELY WITHIN THE SS III PRESSURE PLANE.
 - ALL WATER SERVICES SHALL BE 1" TYPE K COPPER.
 - ALL FITTINGS ARE MECHANICAL JOINTS, UNLESS OTHERWISE NOTED.
 - TOTAL NUMBER OF DOM WATER SERVICES TO BE INSTALLED = 146.
 - IRRIGATION SERVICES TO BE INSTALLED = 5.
 - SEE SHEET 37 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."
 - CONTRACTOR TO INSTALL METER BOXES FOR METERS 2" (INCHES) AND SMALLER (CITY TO INSTALL METER).
 - REFER TO SHEET 41 FOR WATER LOWERING DETAILS.
 - REFERENCE WATER STUDY WSS-2021-1563 AND SS STUDY WSS-2020-943.
 - 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.

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).

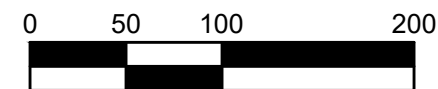
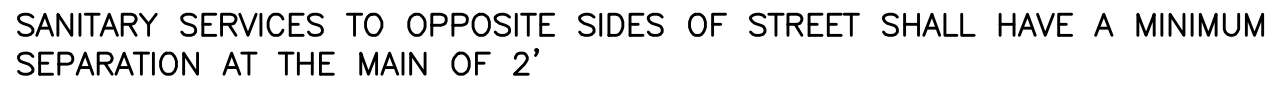
REMOVE POLY PIG #8
REFER TO LEGEND
FOR LOCATION DETAILS

MATCH LINE SEE
SHEET 9A

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REMOVE CLEANING WYE AFTER
COMPLETION OF PIPE CLEANING



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Section 3

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

A circular professional engineer seal for the State of Texas. The outer ring contains the text "STATE OF TEXAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars on each side. The inner circle features a five-pointed star at the top, followed by the name "RUBY RODRIGUEZ", the license number "136002", and the word "LICENSED" at the bottom.