SHEET

DESCRIPTION

STORM LINE "B"-P&P 0+00 TO 6+00

STORM LINE "B"-P&P 6+00 TO END

STORM-LATERAL PROFILES

STORM-LATERAL PROFILES

STORM-LATERAL PROFILES

STORM LINE "C"-P&P

STORM LINE "D"-P&P

GRADING PLAN

GRADING PLAN

GRADING PLAN

GRADING PLAN

STORM DETAILS

STORM DETAILS

VANS LANE

GRADING PLAN-POND

GRADING PLAN-POND

EROSION CONTROL PLAN

EROSION CONTROL DETAILS

WHISTERWHEEL WAY (0+00 TO 7+00)

SWITCHWOOD LANE (0+00 TO 8+00)

SWITCHWOOD LANE (8+00 TO END)

BRYANT IRVIN ROAD (0+00 TO 6+50)

BRYANT IRVIN ROAD (6+50 TO END)

WHISTERWHEEL WAY (7+00 TO

POND VIEW (13+50 TO 21+00)

POND VIEW (21+00 TO END)

BRYANT IRVING PAVEMENT

MARKINGS & DETAILS

SIGNAGE PLAN

PAVING DETAILS

PAVING DETAILS

PAVING DETAILS

RAILROAD DETAILS

STREET LIGHTING PLAN

STREET LIGHTING PLAN

STREET LIGHTING DETAILS

STREET LIGHTING DETAILS

WINTERBLOOM WAY

KRUPPA WAY



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

02/21/23

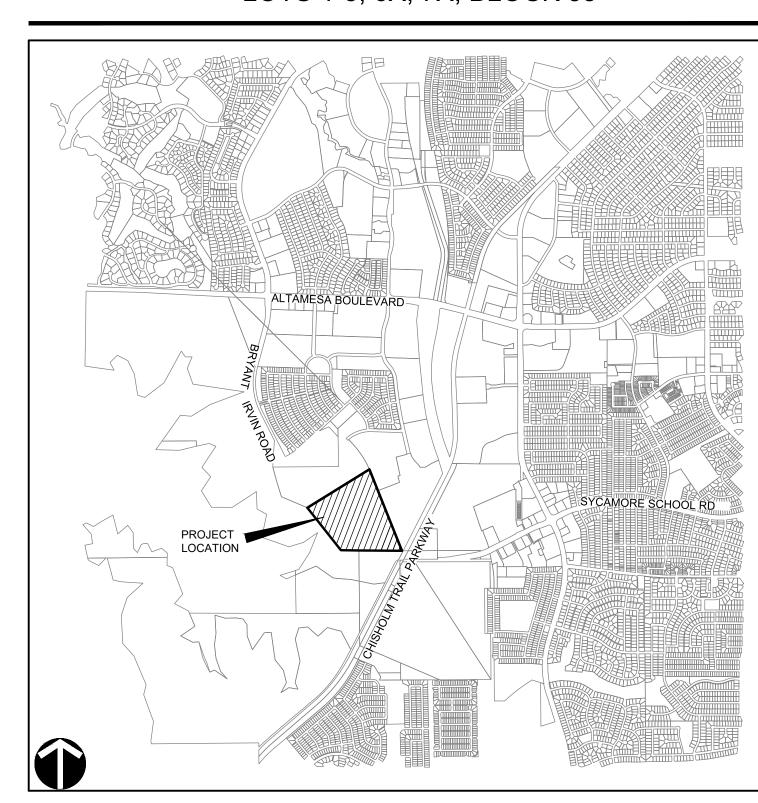
88275

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

WATER, SANITARY SEWER, STORM DRAIN PAVING, LIGHTING & GRADING IMPROVEMENTS TO SERVE

TAVOLO PARK, PHASE 5

LOTS 13-28, 29X, BLOCK 19; LOTS 1-8, LOT 9X, LOTS 10-21, 22X; BLOCK 31; LOTS 1-8, 9X, 10-33, 34X, 35-42, BLOCK 32; LOTS 1-8, 9X, 10-24, 25X, 26-33, BLOCK 33; LOTS 1-8, 9X, 10-21, 22X, 23-30, BLOCK 34; LOTS 1-5, 6X, 7X, BLOCK 35



LOCATION MAP

MAPSCO NO. 705 COUNCIL DISTRICT

FEBRUARY 21, 2023

(NOT TO SCALE)

IPRC RECORD NO. CITY PROJECT NO. FID NO. FILE NO.

IPRC22-0214 104156 30114-0200431-104156-E07685 W-2891

OWNER/DEVELOPER BY:

CND-TAVLO, LLC 1111 NORTH POST OAK RD HOUSTON, TEXAS 77055 **CONTACT: GARRETT LUST** PHONE: 972-323-7508

LandDesign. **PREPARED BY:**

LANDDESIGN 5301 ALPHA ROAD, SUITE 24 **DALLAS, TX 75240** 214.785.6009 CONTACT NAME: BRIAN DENCH

DIRECTOR'S DESIGNEE FOR CONSTRUCTION PLAN APPROVAL: RESOLUTION NO.

DATE:

REVIEWED: PROJECT MANAGER

SHEET INDEX

COVER SHEET

GENERAL NOTES

GENERAL NOTES

OVERALL WATER PLAN

WATER PLAN & PROFILE

WATER PLAN & PROFILE

WATER PLAN

WATER PLAN

WATER PLAN

WATER PLAN

DESCRIPTION

DRAFT HORIZONTAL CONTROL PLAN

DRAFT HORIZONTAL CONTROL PLAN

SEWER LINE A - P&P STA 0+00 TO 7+00

SEWER LINE A - P&P 13+50 TO 19+00

SEWER LINE A - P&P STA 26+50 TO END

SEWER LINE B - P&P STA 0+00 TO 6+50

SEWER LINE B - P&P STA 6+50 TO END

SEWER LINE C - P&P STA 0+00 TO 5+40

SEWER LINE C - P&P STA 5+40 TO END

SEWER LINE D - P&P STA 0+00 TO 4+00

SEWER LINE D - P&P STA 4+00 TO END

DESCRIPTION

EXISTING DRAINAGE AREA MAP

HYDRAULIC CALCULATIONS

OVERALL STORM PLAN

PROPOSED DRAINAGE AREA MAP

HYDRAULIC & INLET CALCULATIONS

STORM LINE "A"-P&P 0+00 TO 5+50

STORM LINE "A"-P&P 5+50 TO END

WATER DETAILS

SEWER DETAILS

24 - 25

SHEET

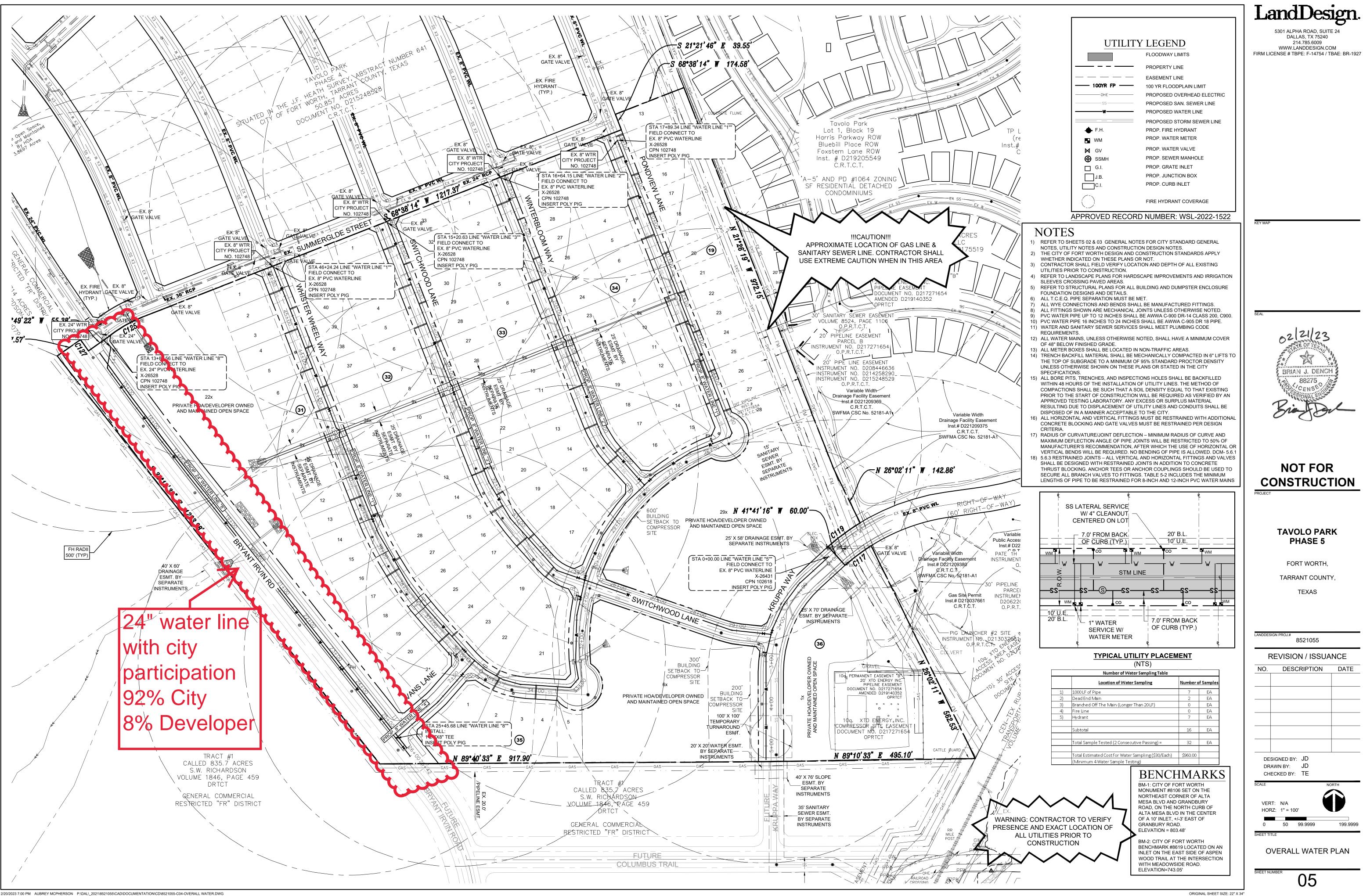
NO.

SHEET

DATE:

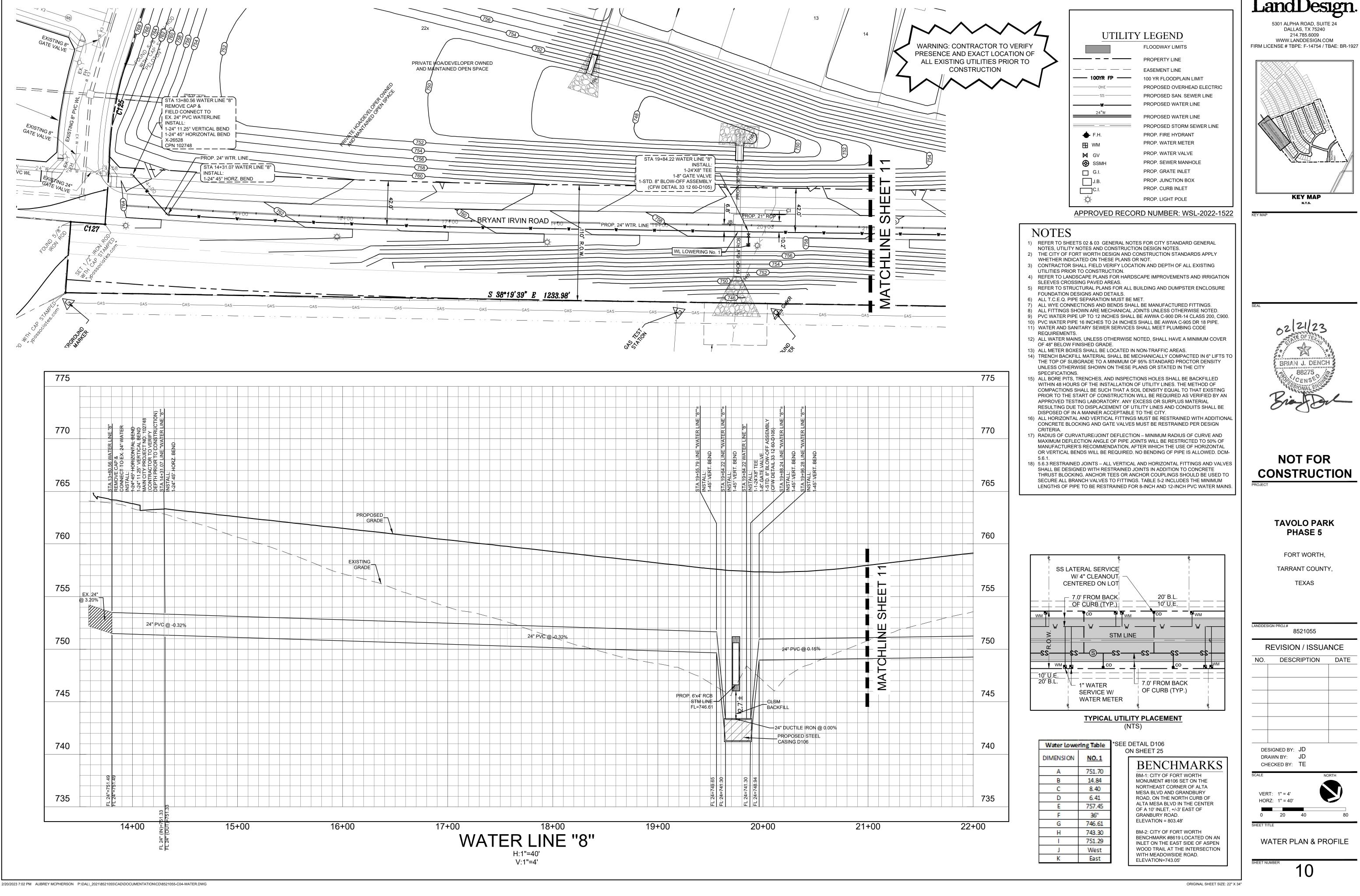
X-27579

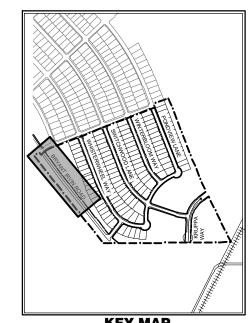
PLOT_STAMP



CONSTRUCTION

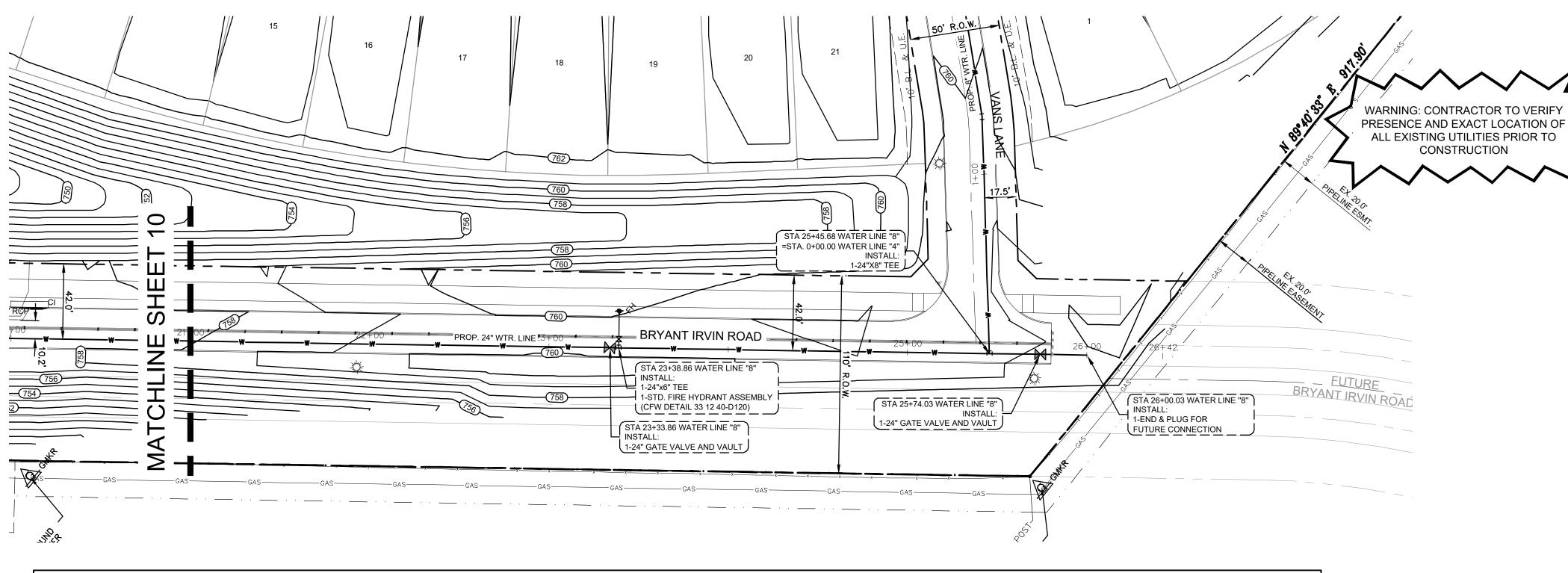
ORIGINAL SHEET SIZE: 22" X 34"

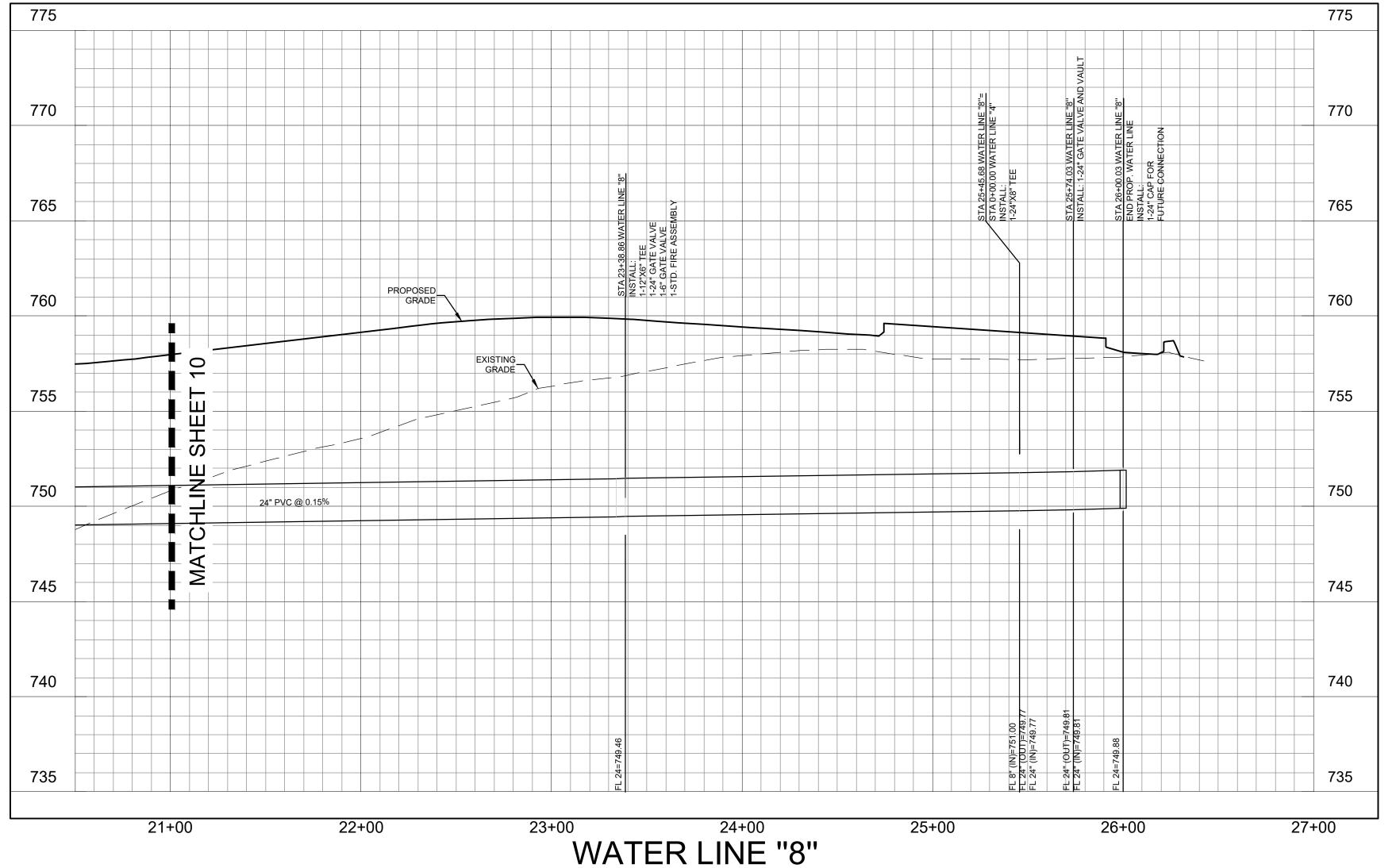




CONSTRUCTION

WATER PLAN & PROFILE





H:1"=40' V:1"=4'

FLOODWAY LIMITS PROPERTY LINE PROPERTY LINE SASEMENT LINE 100 YR FLOODPLAIN LIMIT PROPOSED OVERHEAD ELECTRIC PROPOSED SAN. SEWER LINE PROPOSED WATER LINE PROPOSED WATER LINE PROPOSED STORM SEWER LINE PROPOSED WATER METER

APPROVED RECORD NUMBER: WSL-2022-1522

PROP. WATER VALVE

PROP. GRATE INLET

PROP. JUNCTION BOX PROP. CURB INLET

PROP. LIGHT POLE

PROP. SEWER MANHOLE

NOTES

- REFER TO SHEETS 02 & 03 GENERAL NOTES FOR CITY STANDARD GENERAL NOTES, UTILITY NOTES AND CONSTRUCTION DESIGN NOTES.
 THE CITY OF FORT WORTH DESIGN AND CONSTRUCTION STANDARDS APPLY
- WHETHER INDICATED ON THESE PLANS OR NOT.

 3) CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- UTILITIES PRIOR TO CONSTRUCTION.

 4) REFER TO LANDSCAPE PLANS FOR HARDSCAPE IMPROVEMENTS AND IRRIGATION
- SLEEVES CROSSING PAVED AREAS.
 5) REFER TO STRUCTURAL PLANS FOR ALL BUILDING AND DUMPSTER ENCLOSURE
- FOUNDATION DESIGNS AND DETAILS.
- 6) ALL T.C.E.Q. PIPE SEPARATION MUST BE MET.

SSMH

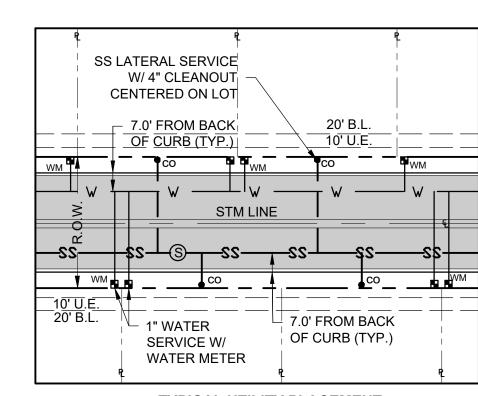
☐ G.I.

C.I.

- ALL WYE CONNECTIONS AND BENDS SHALL BE MANUFACTURED FITTINGS.
 ALL FITTINGS SHOWN ARE MECHANICAL JOINTS UNLESS OTHERWISE NOTED.
 PVC WATER PIPE UP TO 12 INCHES SHALL BE AWWA C-900 DR-14 CLASS 200, C900.
- 10) PVC WATER PIPE 16 INCHES TO 24 INCHES SHALL BE AWWA C-905 DR 18 PIPE.

 11) WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE
- REQUIREMENTS.

 12) ALL WATER MAINS LINESS OTHERWISE NOTED SHALL HAVE A MINIMUM COVE
- 12) ALL WATER MAINS, UNLESS OTHERWISE NOTED, SHALL HAVE A MINIMUM COVER OF 48" BELOW FINISHED GRADE.
 13) ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS.
- 14) TRENCH BACKFILL MATERIAL SHALL BE MECHANICALLY COMPACTED IN 6" LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE CITY SPECIFICATIONS.
- 15) ALL BORE PITS, TRENCHES, AND INSPECTIONS HOLES SHALL BE BACKFILLED WITHIN 48 HOURS OF THE INSTALLATION OF UTILITY LINES. THE METHOD OF COMPACTIONS SHALL BE SUCH THAT A SOIL DENSITY EQUAL TO THAT EXISTING PRIOR TO THE START OF CONSTRUCTION WILL BE REQUIRED AS VERIFIED BY AN APPROVED TESTING LABORATORY. ANY EXCESS OR SURPLUS MATERIAL RESULTING DUE TO DISPLACEMENT OF UTILITY LINES AND CONDUITS SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE TO THE CITY.
- 16) ALL HORIZONTAL AND VERTICAL FITTINGS MUST BE RESTRAINED WITH ADDITIONAL CONCRETE BLOCKING AND GATE VALVES MUST BE RESTRAINED PER DESIGN CRITERIA
- 17) 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. NO BENDING OF PIPE IS ALLOWED. DCM-
- 18) 5.6.3 RESTRAINED JOINTS ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES SHALL BE DESIGNED WITH RESTRAINED JOINTS IN ADDITION TO CONCRETE THRUST BLOCKING. ANCHOR TEES OR ANCHOR COUPLINGS SHOULD BE USED TO SECURE ALL BRANCH VALVES TO FITTINGS. TABLE 5-2 INCLUDES THE MINIMUM LENGTHS OF PIPE TO BE RESTRAINED FOR 8-INCH AND 12-INCH PVC WATER MAINS.



TYPICAL UTILITY PLACEMENT (NTS)

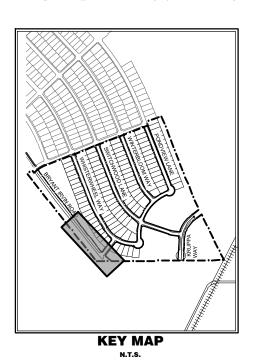
BENCHMARKS

BM-1: CITY OF FORT WORTH
MONUMENT #8106 SET ON THE
NORTHEAST CORNER OF ALTA
MESA BLVD AND GRANDBURY
ROAD, ON THE NORTH CURB OF
ALTA MESA BLVD IN THE CENTER
OF A 10' INLET, +/-3' EAST OF
GRANBURY ROAD.
ELEVATION = 803.48'

BM-2: CITY OF FORT WORTH
BENCHMARK #8619 LOCATED ON AN
INLET ON THE EAST SIDE OF ASPEN
WOOD TRAIL AT THE INTERSECTION
WITH MEADOWSIDE ROAD.
ELEVATION=743.05'

LandDesign

5301 ALPHA ROAD, SUITE 24 DALLAS, TX 75240 214.785.6009 WWW.LANDDESIGN.COM FIRM LICENSE # TBPE: F-14754 / TBAE: BR-1927



KEY MAP



NOT FOR CONSTRUCTION

TAVOLO PARK PHASE 5

FORT WORTH,

TARRANT COUNTY,

TEXAS

8521055

NO. DESCRIPTION DATE

DESIGNED BY: JD DRAWN BY: JD CHECKED BY: TE

VERT: 1" = 4' HORZ: 1" = 40'

0 20 40

WATER PLAN & PROFILE

11