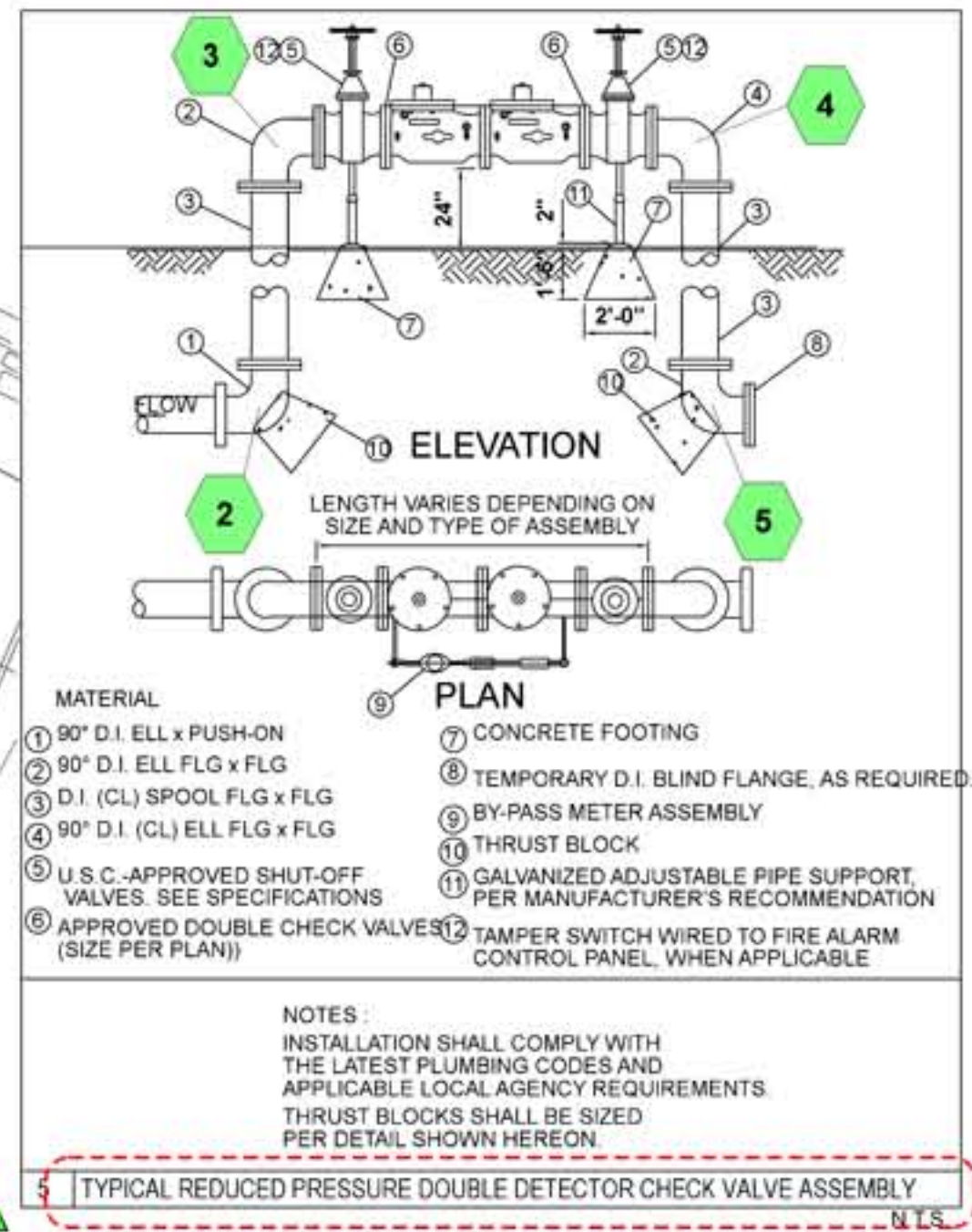




Calc Proves Most Demanding
Remote Area #4 with a System
Demand of 300.25 GPM @ 53.29 psi

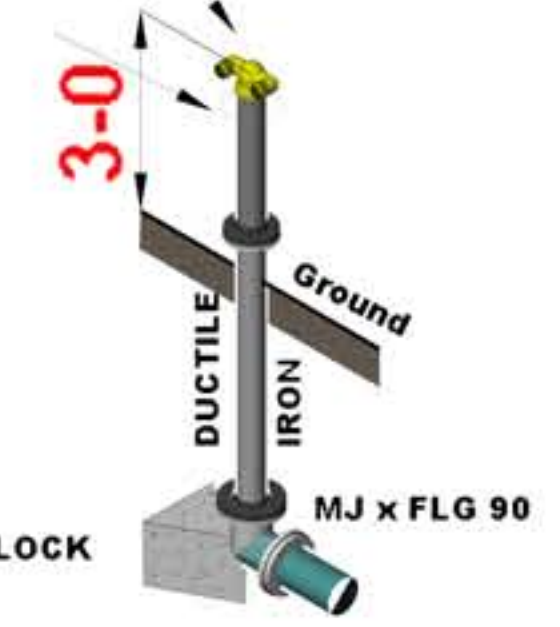
CALCULATION DESIGN CRITERIA:			
STANDARD NFPA #13-2010			
OCCUPANCY CLASS Remote Area 4			
MAX. COVERAGE per HEAD	130	FT ²	
DENSITY .15	GPM/FT ² for	900	FT ²
SPRINKLER NA - Proving Demand			
ORIFICE na	K=	na	
WATER FLOW INFORMATION:			
STATIC	68	PSI	
RESIDUAL	20	PSI	
FLOW	2166	GPM	
AT BASE OF RISER, SYSTEM REQUIRES			
300.25	GPM @	53.29	PSI

*At time of Design



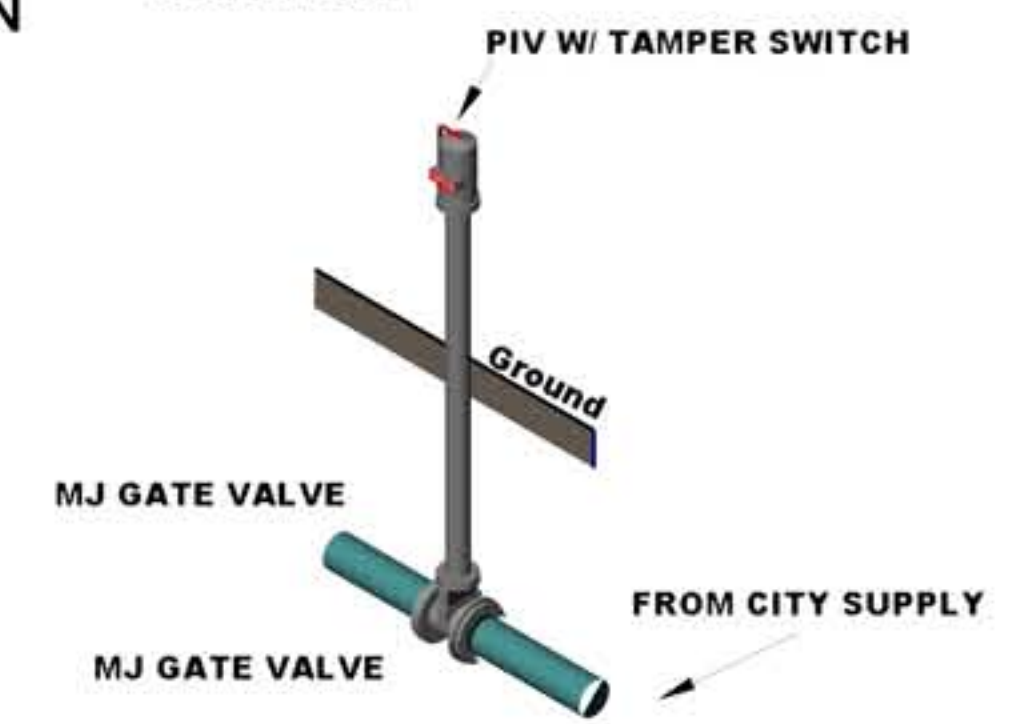
NOTES:
INSTALLATION SHALL COMPLY WITH THE LATEST PLUMBING CODES AND APPLICABLE LOCAL AGENCY REQUIREMENTS.
THRUST BLOCKS SHALL BE SIZED PER DETAIL SHOWN HEREON.

2 WAY FIRE DEPT CONNECTION



FDC - DETAIL

SCALE: NONE



PIV - DETAIL

SCALE: NONE

UNDERGROUND NOTES

- 1) SYSTEM TO BE INSTALLED, TESTED, AND FLUSHED per NFPA 13 2010 STANDARDS AND LOCAL REQUIREMENTS.
- 2) UNDERGROUND PIPING TO BE HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HOURS.
- 3) NUTS, BOLTS, RODS, WASHERS, CLAMPS, AND OTHER RESTRAINING DEVICES ON ALL UNDERGROUND PIPING ARE TO BE COATED WITH BITUMINOUS OR OTHER APPROVED CORROSION RETARDING MATERIAL.
- 4) BEFORE BACKFILLING A COVER INSPECTION IS REQUIRED ON ALL UNDERGROUND PIPING AS PER LOCAL AHJ REQUIREMENTS.
- 5) UNDERGROUND PIPING TO HAVE A MINIMUM OF 4'-6" GROUND COVER.
- 6) THRUST BLOCKS TO BE INSTALLED PER NFPA 13 2010.

(E) FIRE HYDRANT

PIV W/TAMPER

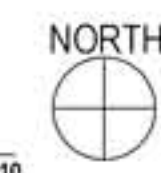
REDUCED PRESSURE
BACKFLOW PREVENTER
(SEE DETAIL)

(E) 8" PRIVATE
COMBINED WATER MAIN

OVERHEAD PIPING GENERAL NOTES:

- 1) THE SPRINKLER SYSTEM DESIGN AS SHOWN ON THESE DRAWINGS SHALL CONFORM TO NFPA 13 2010, AND ALL STATE AND LOCAL CODES.
- 2) A FIRE ALARM SYSTEM IS PART OF THIS PROJECT (BY OTHERS), AND WILL REQUIRE A SEPARATE PERMIT TO BE TAKEN OUT BY THE ALARM CONTRACTOR.
- 3) PIPING AND FITTINGS (PER NFPA 13 2010)
ALL PIPING 1" SHALL BE SCH. 40 OR DYNA-THREAD PER ANSI / ASTM A-795.
1-1/4" TO 2" AND LARGER SHALL BE SCH. 10 OR DYNA-FLOW PER ANSI / ASTM A-795.
1" TO 1-1/2" FITTINGS WILL BE THREADED U.N.O. 2" AND LARGER WILL BE GROOVED U.N.O.
- 4) ITEMS EXCLUDED FROM OUR SCOPE OF WORK INCLUDE BUT ARE NOT LIMITED TO:
ALL ELECTRICAL WIRING (ALARM DEVICES, AIR COMPRESSORS ECT.)
FIRE EXTINGUISHERS

FIRE SPRINKLER SITE PLAN



SCALE 1"=10'

JEFFERSON BOULEVARD

ELEC BELL
(WIRING & INSTALLATION BY OTHERS)

RISER LOCATION

NEW 4" FIRE MAIN
C-900

PARKING
LOT B

WEST 34TH
STREET