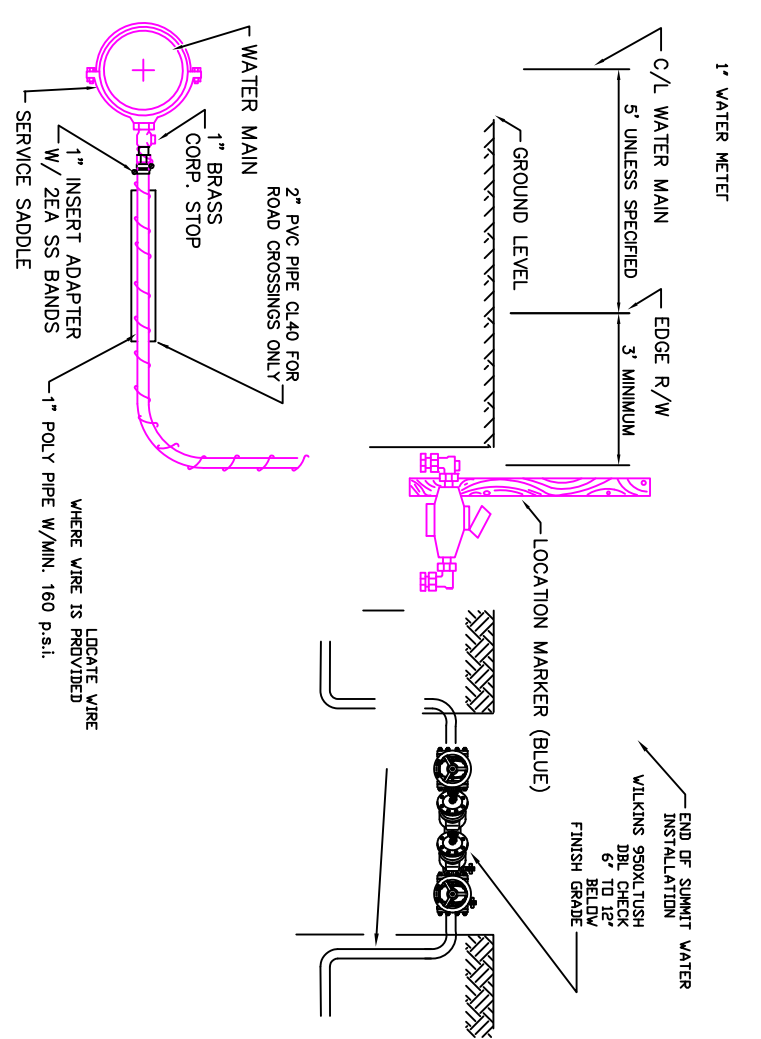


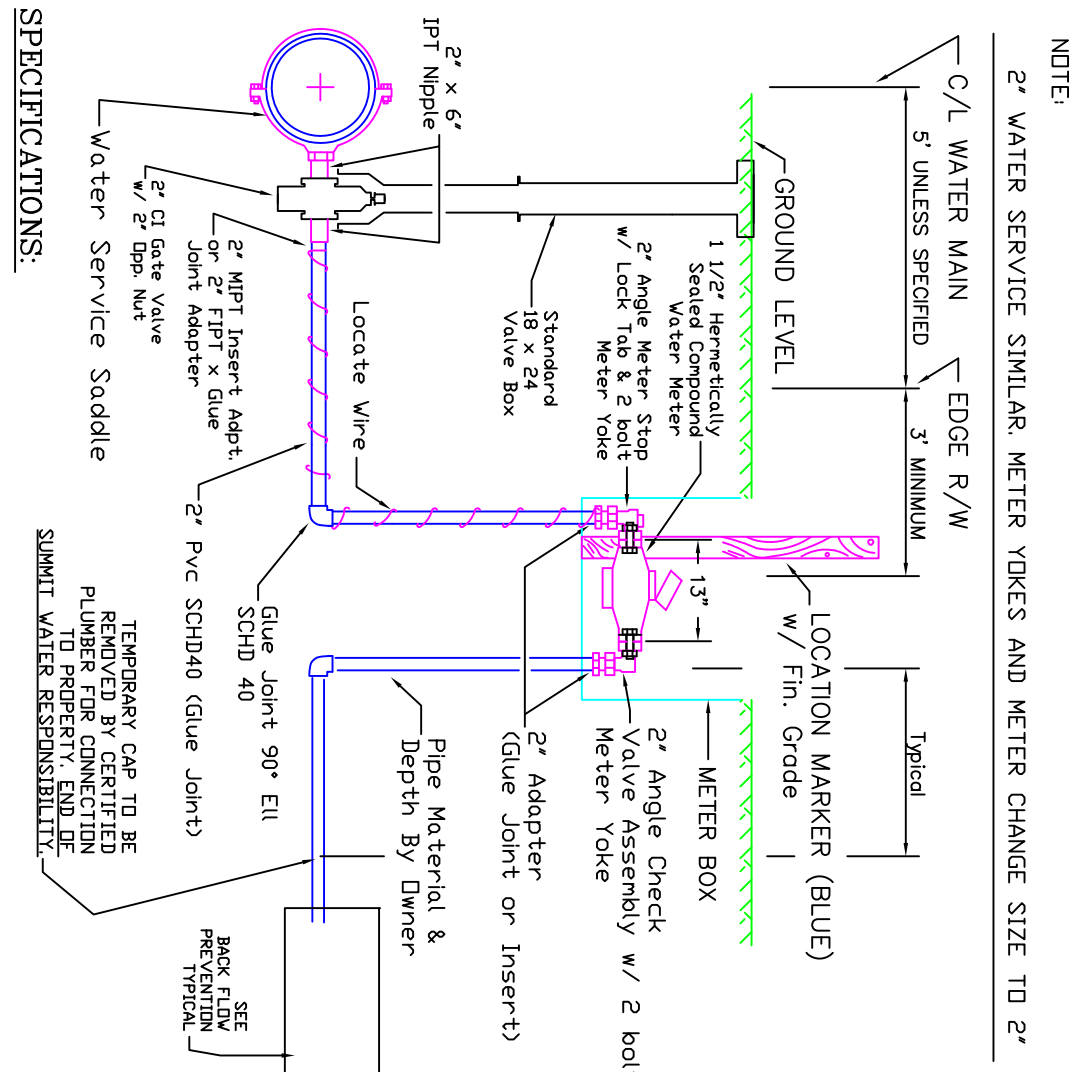
VI DRAWINGS & DETAILS
TYPICAL WATER SERVICE 5/8" - 3/4" & 1"



- SPECIFICATIONS:**
- MID-STAYS B/CF SERIES OR APPROVED EQUAL.
 - INSULATED WIRE FOR LOCATING PURPOSES CONNECTED TO LOCATE WIRE AT WATER MAIN IF WIRE IS PRESENT.
 - EACH SERVICE LINE SHALL HAVE A BLUE 2x27 OR 2x44 STD. EXTENDING A TEMPORARY LOCATION MARKER.
 - ALL WATER SERVICE CROSSINGS SHALL BE IN-CASED IN 2" MIN. SCHD 40 PIPE.
 - WATER LINE FROM DOUBLE CHECK DEVICE TO HOUSE TO BE INSTALLED TO HERNE COUNTY SPECIFICATIONS AND ORDINANCES.
 - DOUBLE CHECK BACKFLOW DEVICE TO BE PAID FOR BY OWNER, INSTALLED BY SUMMIT WATER. DEVICE TO BE INSTALLED IN METER BOX SIM.
 - SUMMIT WATER TO PROVIDE AND INSTALL METERS DUE TO ROTATE READ REQUIREMENTS.

1/24/2008 III

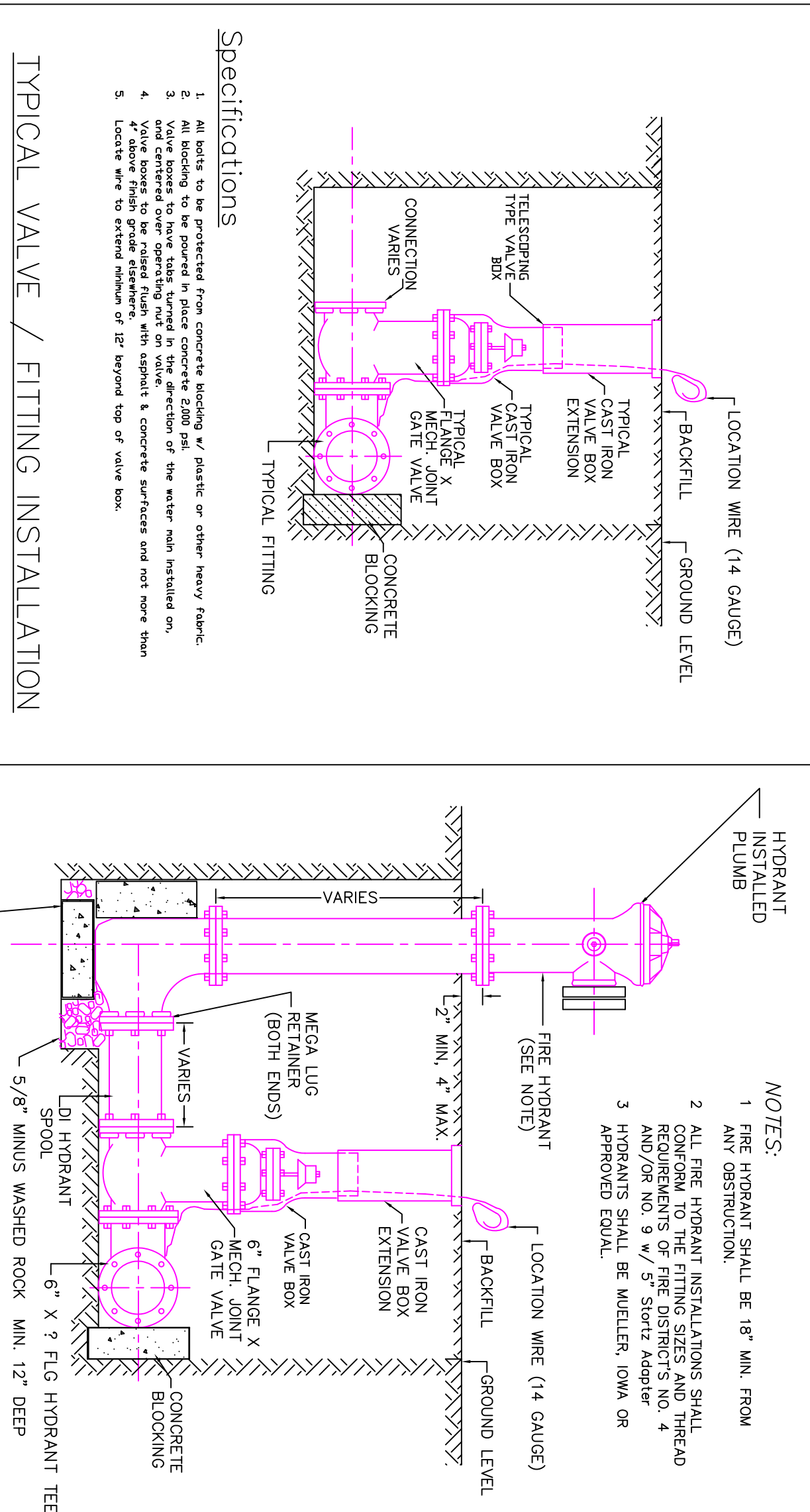
TYPICAL WATER SERVICE 1 1/2"



- SPECIFICATIONS:**
- Water Box shall be Concrete w/ Steel Reader Lid or Plastic Mid-Stays B/CF Series w/ Ductile Iron.
 - 2" PVC shall be wrapped with 14 GA. locate wire.
 - A State shall be Used to Mark Water Meter Location and shall be Marked with The Finished Grade Elevation.
 - All Street Crossings or Driveway Areas shall be Encased in Not Less Than 3" SCHD 40 PVC.
 - By Pass Assembly and Ball Control Valves w/ Lock Out Capabilities.

III

FIRE HYDRANT INSTALLATION
TYPICAL DETAIL

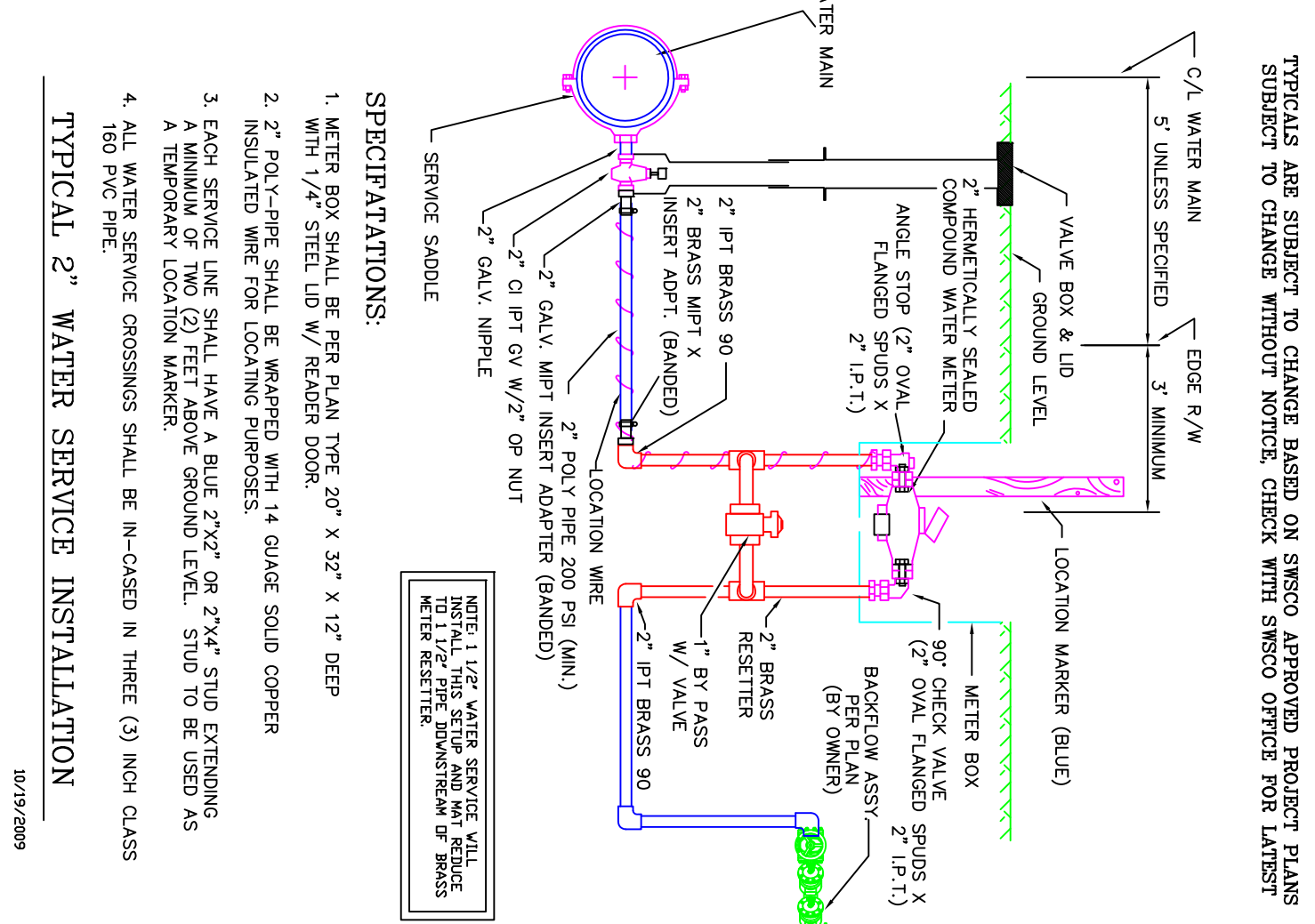


- Specifications**
- All fittings to be provided in place concrete, ductile or plastic or other heavy fabric.
 - All fittings to be provided in place concrete 2000 psi.
 - Valve boxes to be raised flush with sidewalk & concrete surfaces and not more than 4 inches above finished ground.
 - Locate wire to extend minimum of 12' beyond top of valve box.
- TYPICAL VALVE / FITTING INSTALLATION**

TYPICAL WATER SERVICE SIMILAR METER YOKES AND METER CHANGE SIZE TO 2"

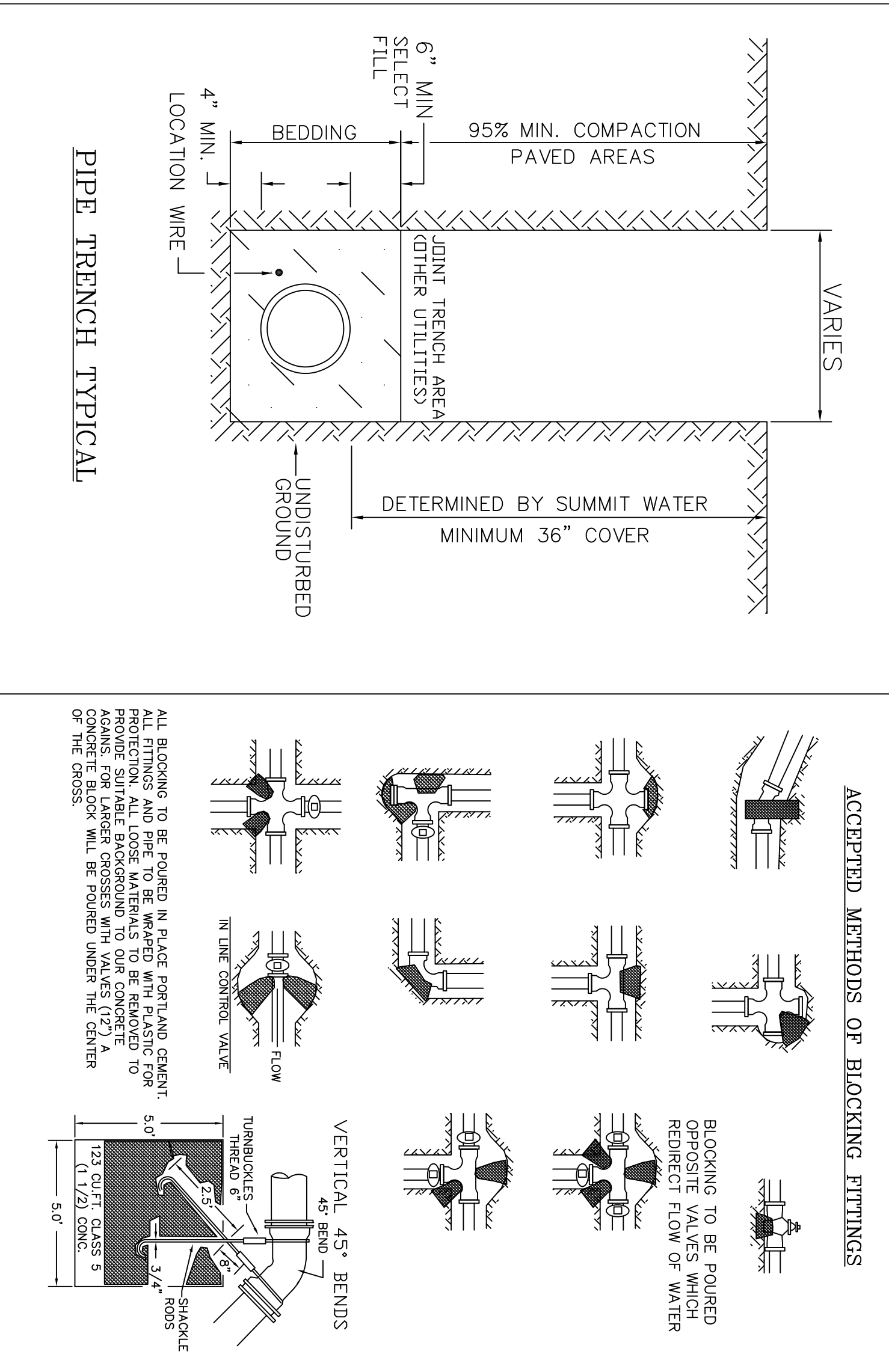


- NOTES**
- FIRE HYDRANT SHALL BE 18" MIN. FROM ANY OBSTRUCTION.
 - ALL FIRE HYDRANT INSTALLATIONS SHALL REQUIREMENTS OF FIRE DISTRICT'S NO. 4 AND/OR NO. 9 w/ 5" Short Adapter.
 - HYDRANTS SHALL BE WELTER, IOWA OR APPROVED EQUAL.

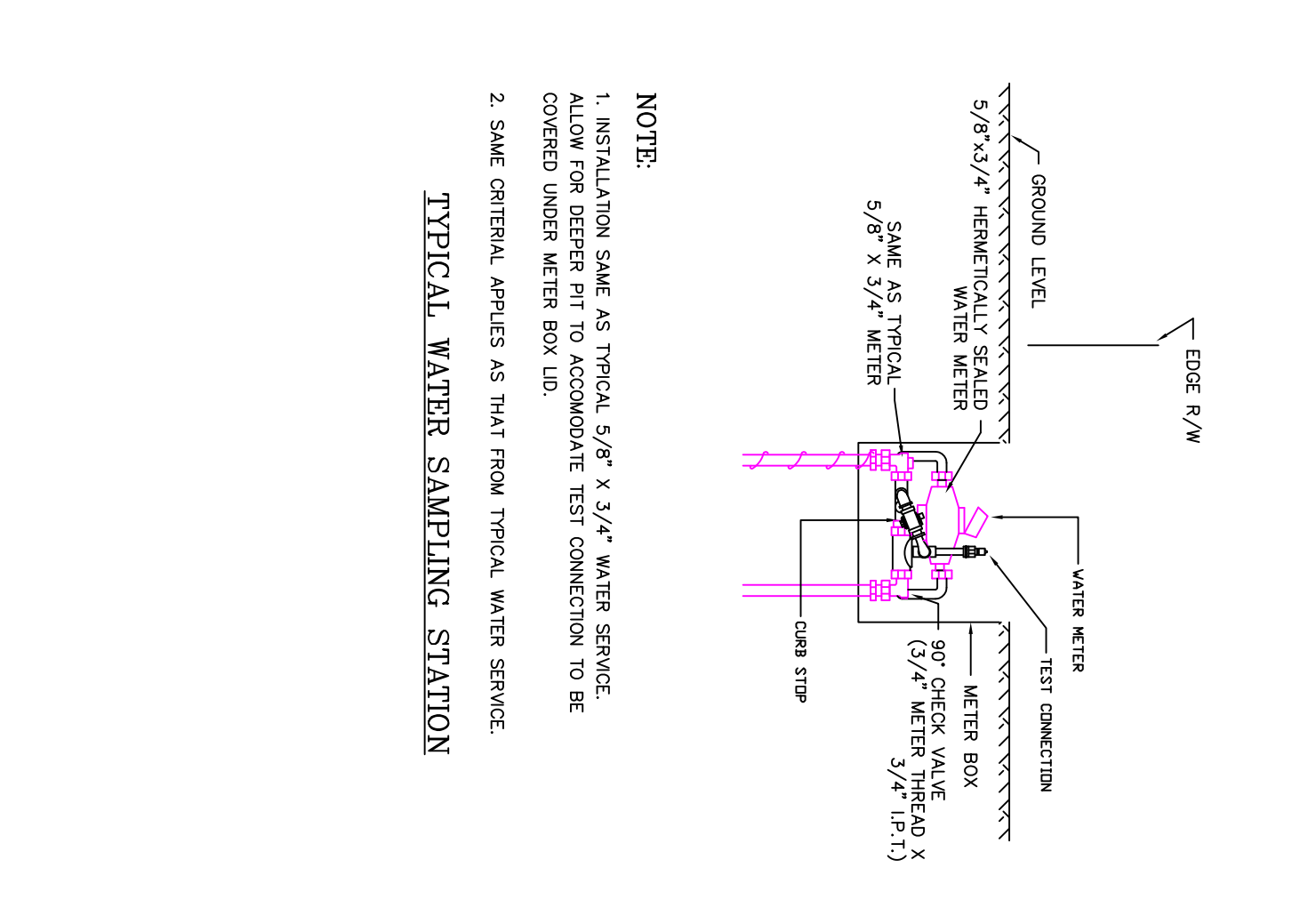


- SPECIFICATIONS:**
- METER BOX SHALL BE 1790 DRAIN TUBE, 20" X 32" X 12" DEEP.
 - 2" POLY-PIPE SHALL BE INSULATED UNTIL 14 GAUGE SOLID COPPER.
 - EACH SERVICE LINE SHALL HAVE A BLUE 2x27 OR 2x44 STD. EXTENDING A TEMPORARY LOCATION MARKER.
 - ALL WATER SERVICE CROSSINGS SHALL BE IN-CASED IN THREE (3) INCH CLASS 160 PVC PIPE.
- TYPICAL 2" WATER SERVICE INSTALLATION**

10/29/2009

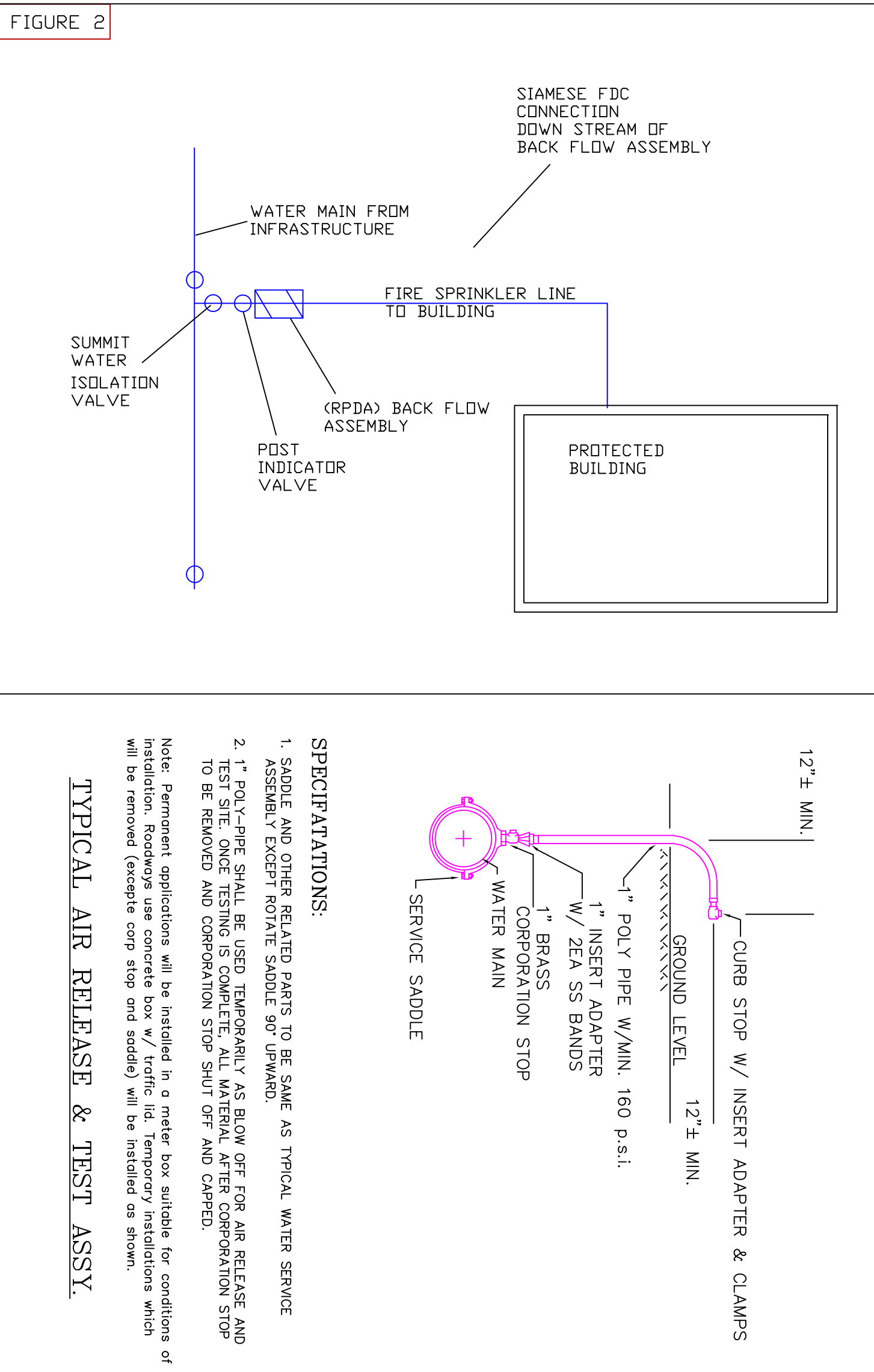


- ACCEPTED METHODS OF BLOCKING FITTINGS**
-
- VERTICAL 45° BENDS**
-



- NOTE:**
- INSTALLATION SAME AS TYPICAL 5/8" X 3/4" WATER SERVICE. ALLOW FOR DEEPER PIT TO ACCOMMODATE TEST CONNECTION TO BE COVERED UNDER METER BOX LID.
 - SAME CRITERIA APPLIES AS THAT FROM TYPICAL WATER SERVICE.
- TYPICAL WATER SAMPLING STATION**

FIGURE 1



- NOTES**
- TYPE OF BLOWOFF AND SIZE OF THRUST BLOCKING TO BE DETERMINED BY SUMMIT WATER & SUPPLY CO.
 - UNDISTURBED SOIL.
 - CONCRETE BLOCKING IN DRIVEWAYS PLASTER IN LANDSCAPING.
 - 2" 90° STREET ELL.
 - 2" 1" PLUG.
 - 2" VALVE BOX & EXTENSION.
 - CONC. BLOCKING.
 - STANDARD METER BOX W/ LID.
 - POURED IN PLACE.
 - POWERED IN PLACE.
- PIPE TRENCH TYPICAL**
-
- Specifications**
- All fittings to be provided in place concrete, ductile or plastic or other heavy fabric.
 - All fittings to be provided in place concrete 2000 psi.
 - Valve boxes to be raised flush with sidewalk & concrete surfaces and not more than 4 inches above finished ground.
 - Locate wire to extend minimum of 12' beyond top of valve box.

FIGURE 2



- ACCEPTED METHODS OF BLOCKING FITTINGS**
-
- VERTICAL 45° BENDS**
-

FIGURE 3