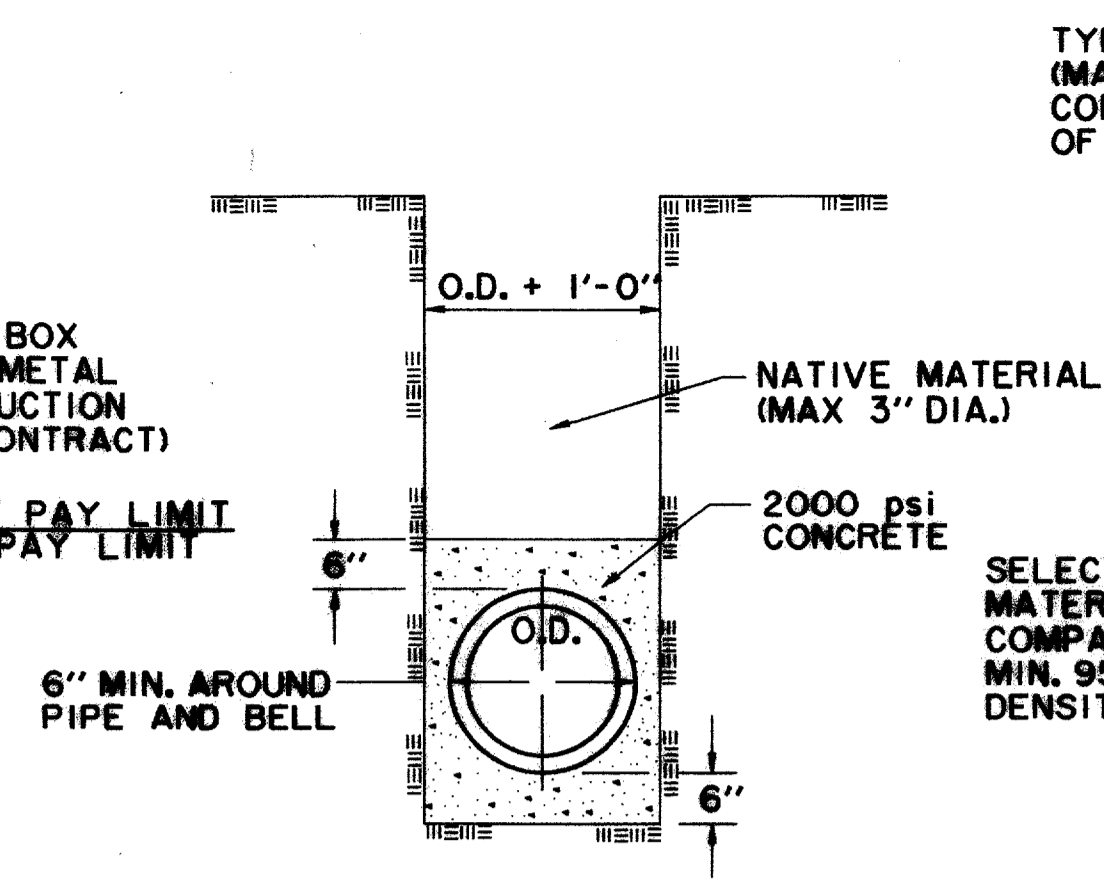
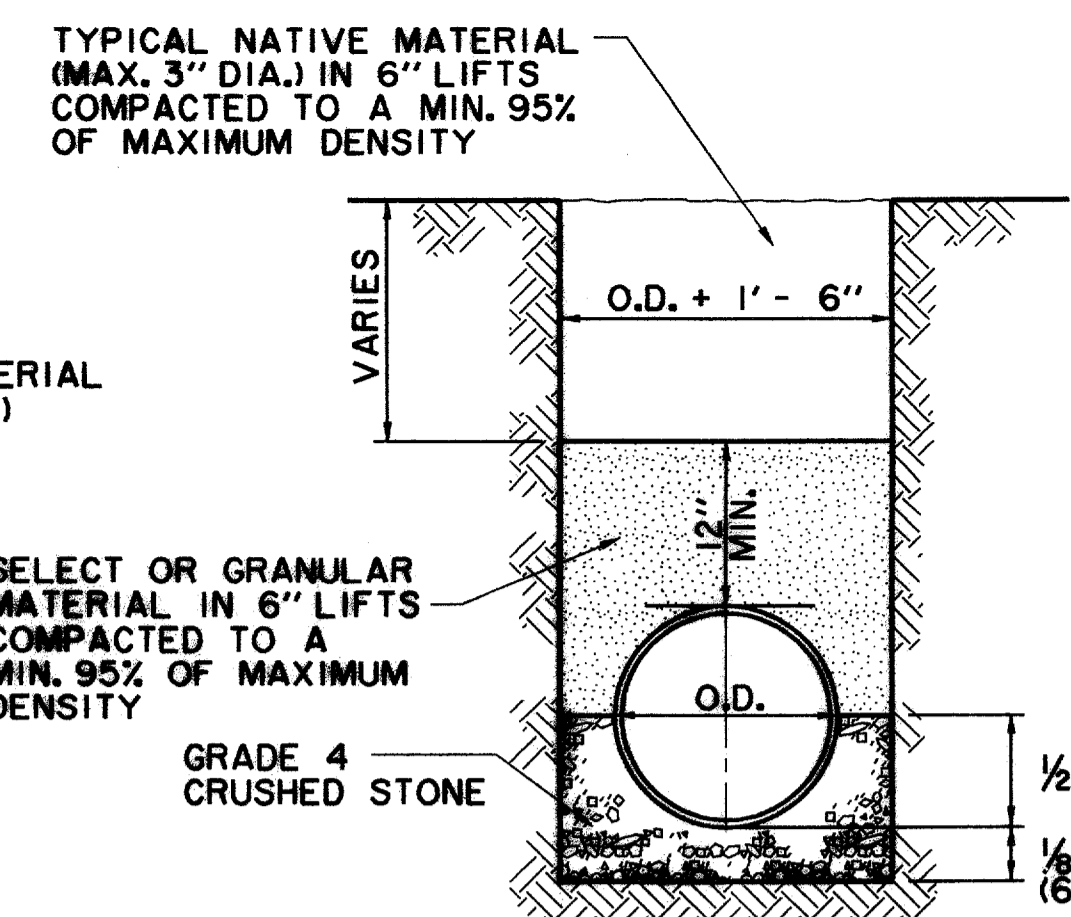


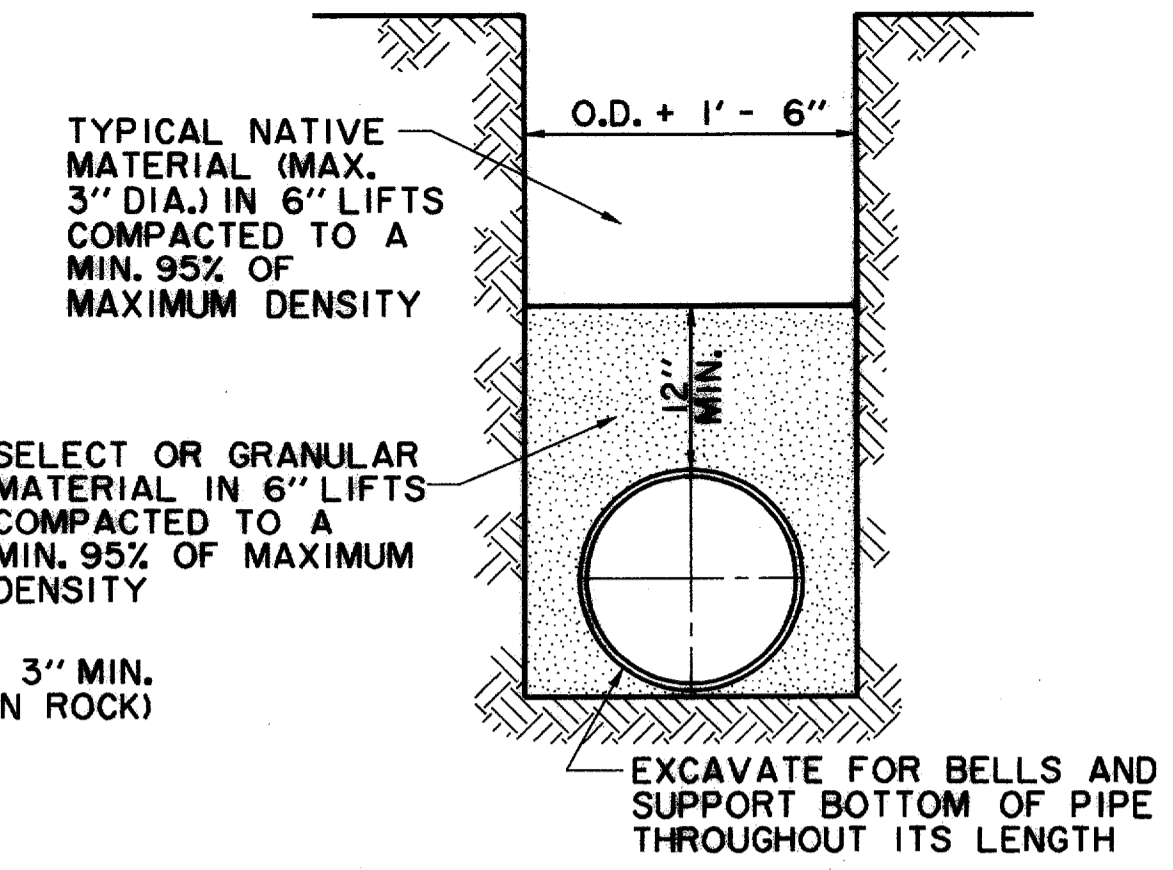
TYPICAL WATER SERVICE DETAIL
N.T.S.



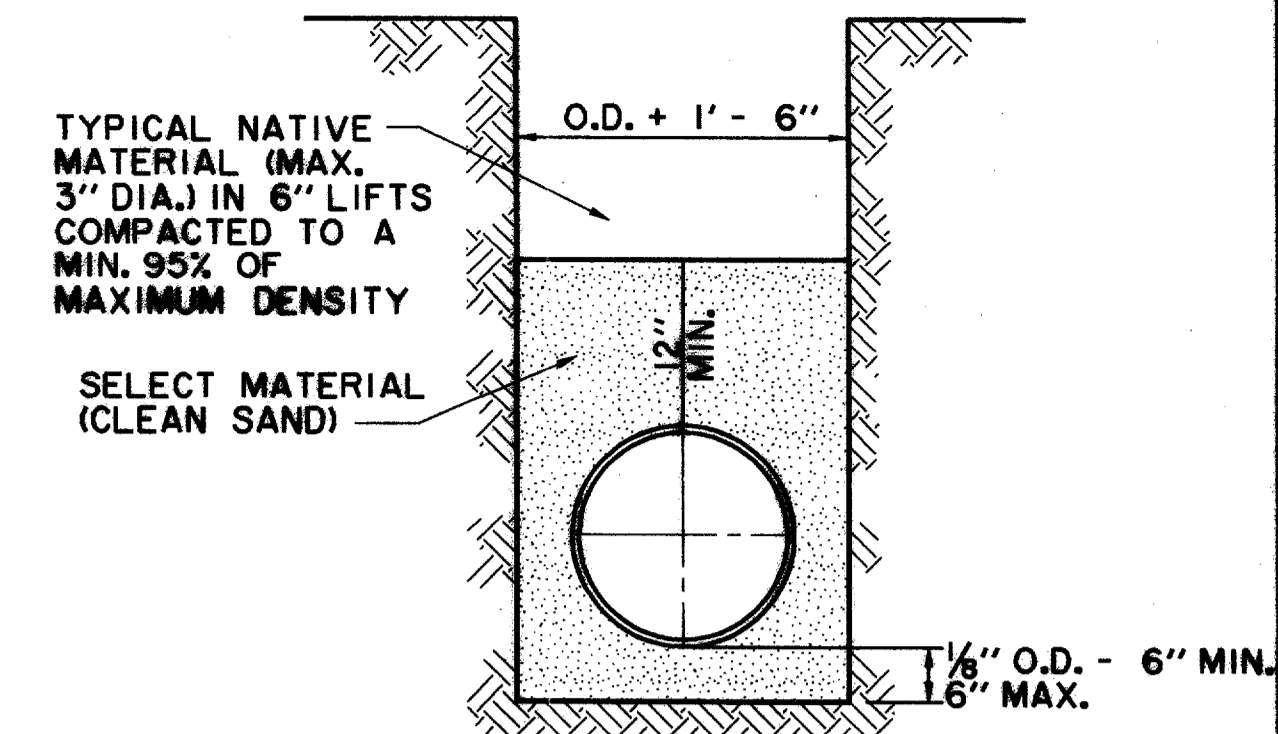
CONCRETE ENCASEMENT WATER MAIN
N.T.S.



RCCP WATERLINE EMBEDMENT
N.T.S.

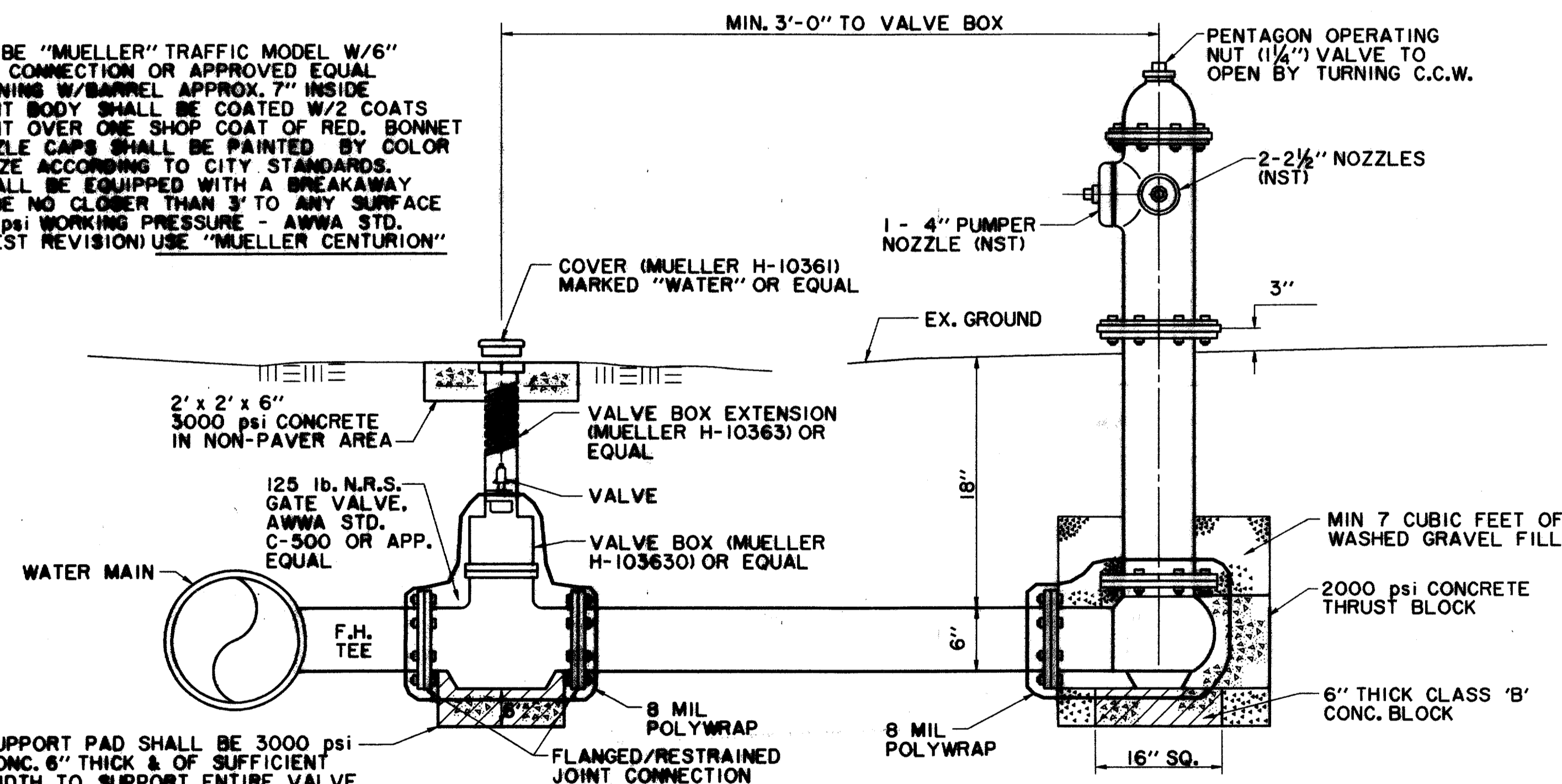


C.I. OR D.I. PIPE
N.T.S.



CLASS "A" EMBEDMENT P.V.C.
N.T.S.

FIRE HYDRANT TO BE "MUELLER" TRAFFIC MODEL W/6" MECHANICAL JOINT CONNECTION OR APPROVED EQUAL W/3/4" VALVE OPENING W/BARREL APPROX. 7" INSIDE DIAMETER. HYDRANT BODY SHALL BE COATED W/2 COATS OF ALUMINUM PAINT OVER ONE SHOP COAT OF RED. BONNET TO FLANGE & NOZZLE CAPS SHALL BE PAINTED BY COLOR CODE FOR MAIN SIZE ACCORDING TO CITY STANDARDS. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE & SHALL BE NO CLOSER THAN 3' TO ANY SURFACE OBSTRUCTION. (150 PSI WORKING PRESSURE - AWWA STD. C-302-85 OR LATEST REVISION) USE "MUELLER CENTURION"

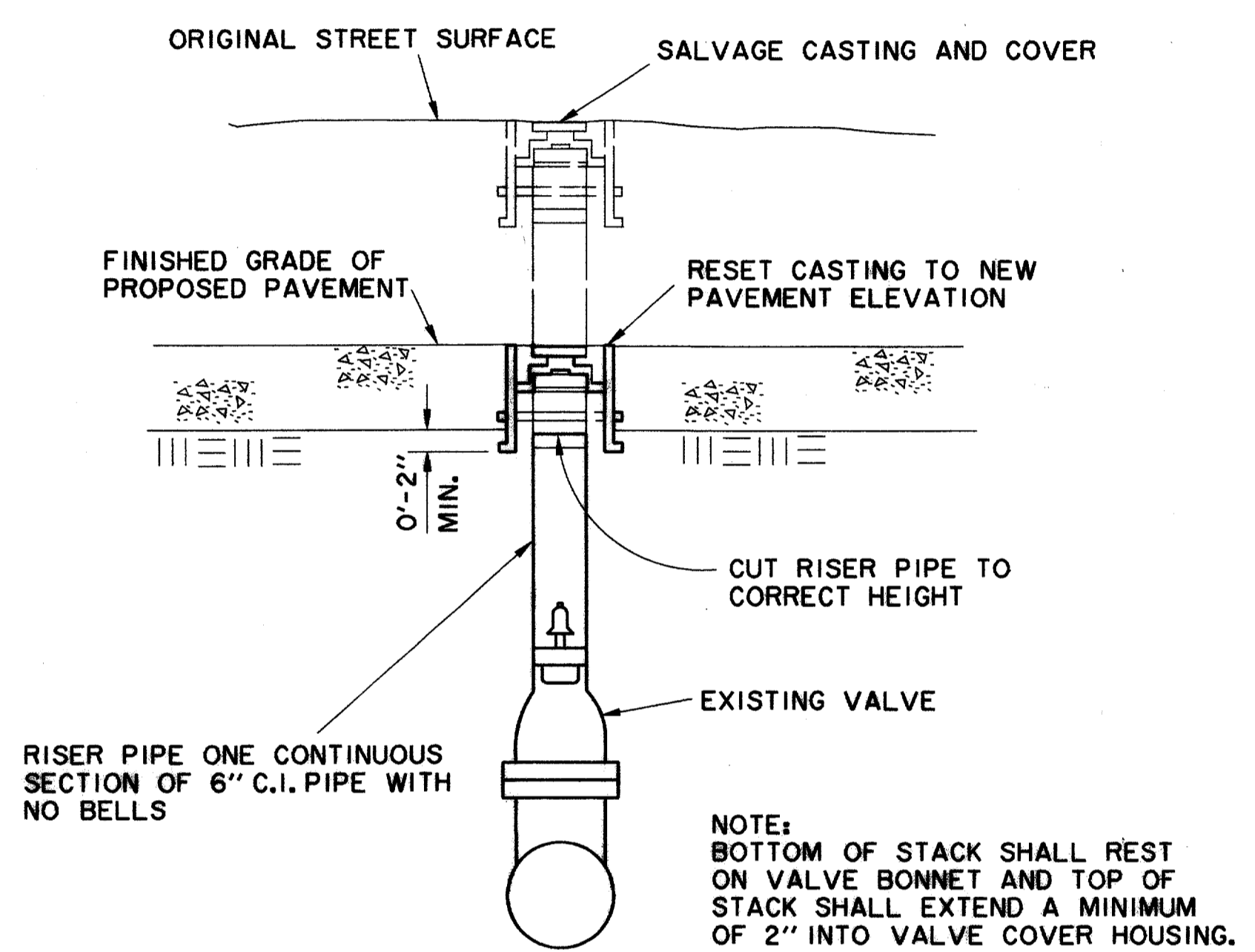


VALVE BOX DETAIL
N.T.S.

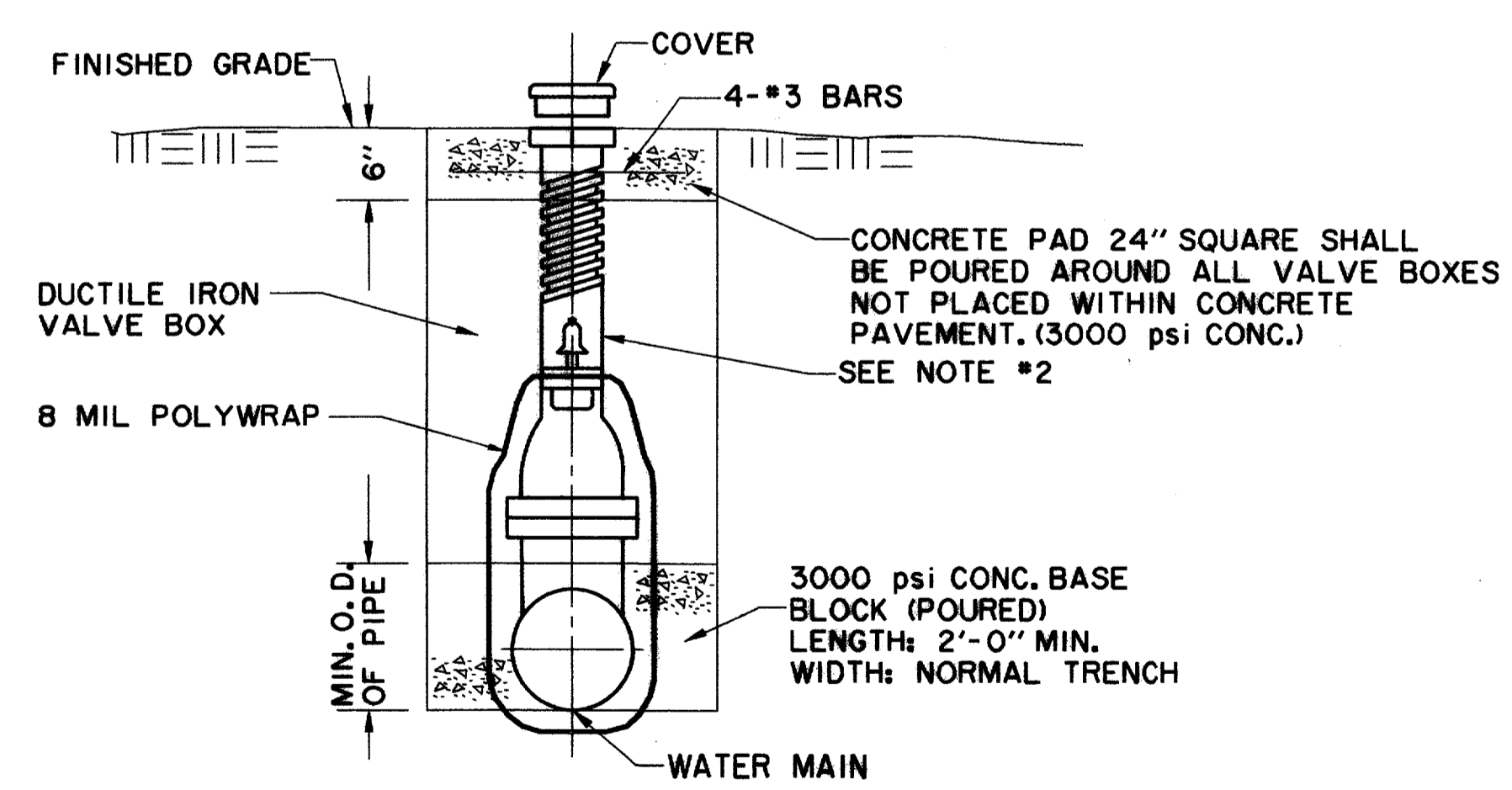
TYPICAL FIRE HYDRANT INSTALLATION
N.T.S.

- GATE VALVES AND VALVE BOXES:**
- GATE VALVES SHALL BE IRON BODY, BRONZE OR BRASS MOUNTED, NON-RISING STEM, PARALLEL SEAT TYPE. VALVES SHALL BE OF EQUAL OR GREATER PRESSURE CLASS THAN THE PIPING IN WHICH THEY ARE TO BE INSTALLED.
 - VALVE BOXES SHALL BE CAST IRON AND SHALL BE OF SUFFICIENT LENGTH AND DIAMETER TO OPERATE ALL VALVES BURIED IN THE GROUND. COVERS SHALL BE MARKED "WATER". THE BOXES SHALL REST ON THE VALVE AND BE ADJUSTED SO THAT THE COVER MAY SET FLUSH WITH THE FINISHED GRADE.

- GENERAL NOTES:**
- 1/4" OF F.H. BARREL SHALL BE NOT LESS THAN 6.0' OR MORE THAN 9.0' FROM BACK OF CURB OR EDGE OF DRIVING LANE.
 - DO NOT SET F.H. IN AN EXISTING OR PROPOSED SIDEWALK, UNLESS OTHERWISE NOTED.
 - ALL F.H. TEES SHALL BE M.J. WITH FLANGED/RESTRAINED JOINT ON THE BRANCH WITH FLANGED/RESTRAINED JOINT VALVE.



VALVE COVER AND RISER PIPE ADJUSTMENT
N.T.S.

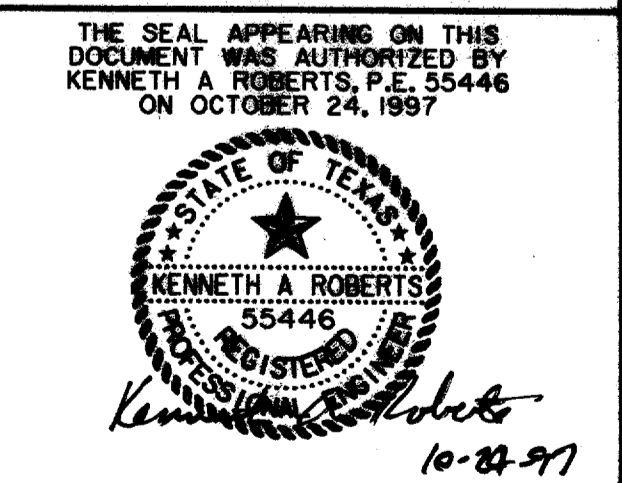


TYPICAL VALVE SETTING AND BOX
N.T.S.

- NOTES:**
- GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509-80 OR LATEST THEREOF ALL VALVES SHALL BE "MUELLER" OR APPROVED EQUAL.
 - A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE THAT ITS OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4" OF VALVE BOX LID. MANUFACTURED VALVE STACK DUCTILE IRON PIPE TO BE USED FOR EXTENSION GREATER THAN 4'-0" BELL END OF STACK TO BE FITTED OVER VALVE. VALVE AND VALVE STACK IS TO BE POLY WRAPPED.
 - VALVES SHALL BE OF DUCTILE IRON W/RUBBER ENCAPSULATED DISK. BOLTS SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.

RECORD DOCUMENTS 6/9/2000

THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.



WATER DETAILS						
ARAPAHO ROAD						
ADDISON ROAD TO DALLAS NORTH TOLLWAY						
TOWN OF ADDISON, TEXAS						
Huitt-Zollars, Inc./Consulting Engineers Dallas, Fort Worth, Houston, Phoenix, Tustin						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
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