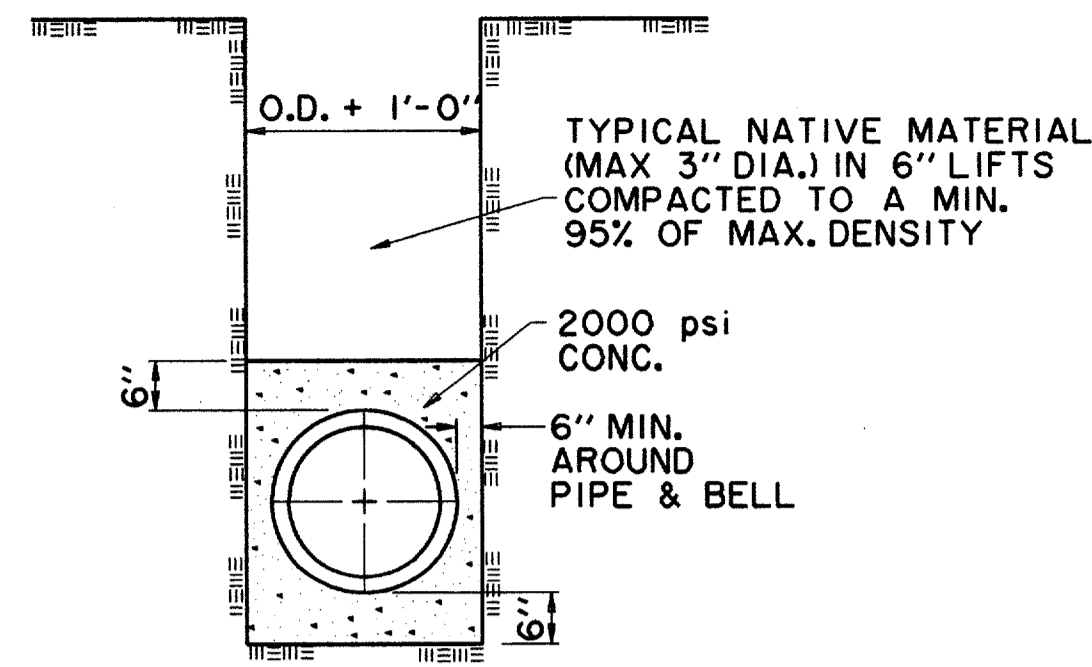


NOTE:

THE TAPPING SADDLE & CORPORATION STOP MUST BE POLY-WRAPPED (8 MIL) & HAND BACKFILLED WITH SAND TO A DEPTH OF 12". CAUTION!! INSPECTION MUST BE CALLED FOR & COMPLETED PRIOR TO BACKFILL OR TAP MUST BE RE-EXPOSED BY THE CONTRACTOR FOR INSPECTION BY THE TOWN.

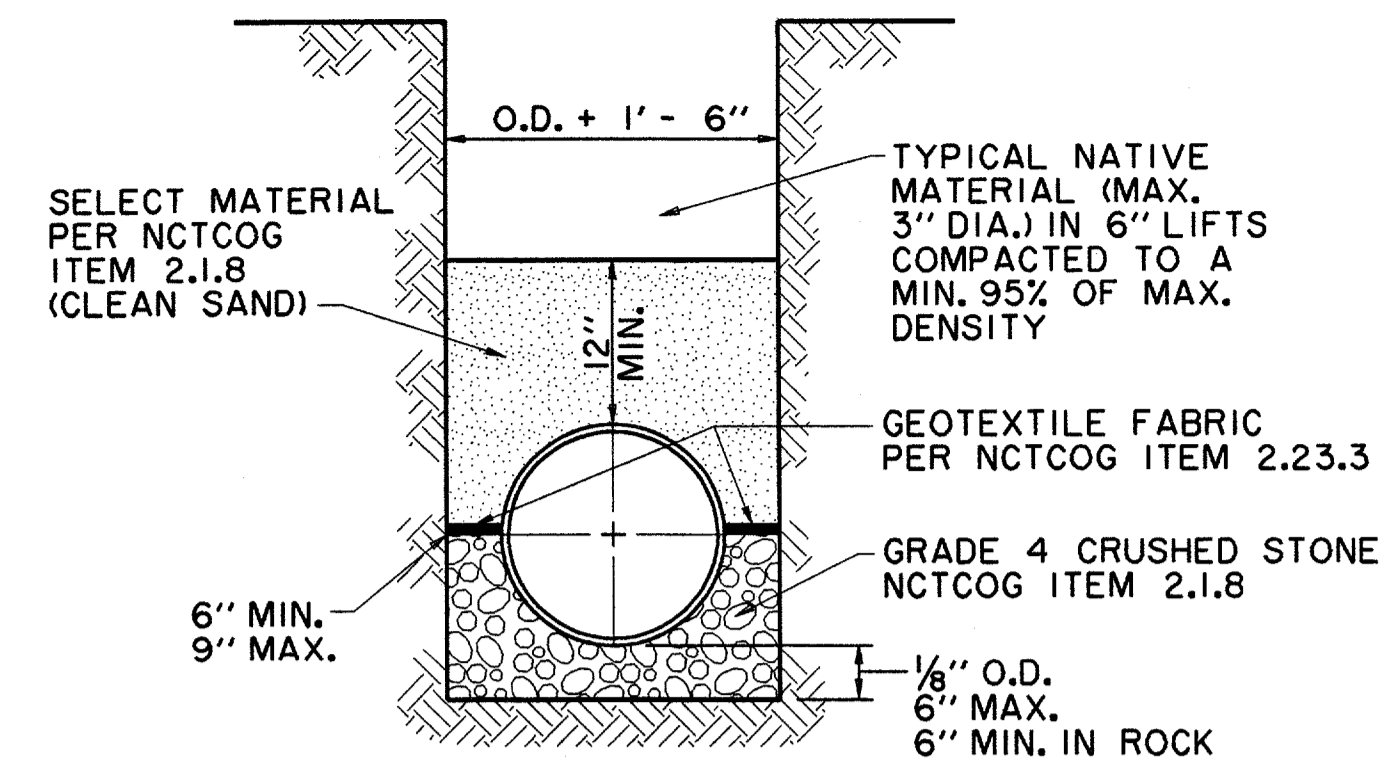
TYPICAL WATER SERVICE DETAIL UP TO 2" METER

N.T.S.



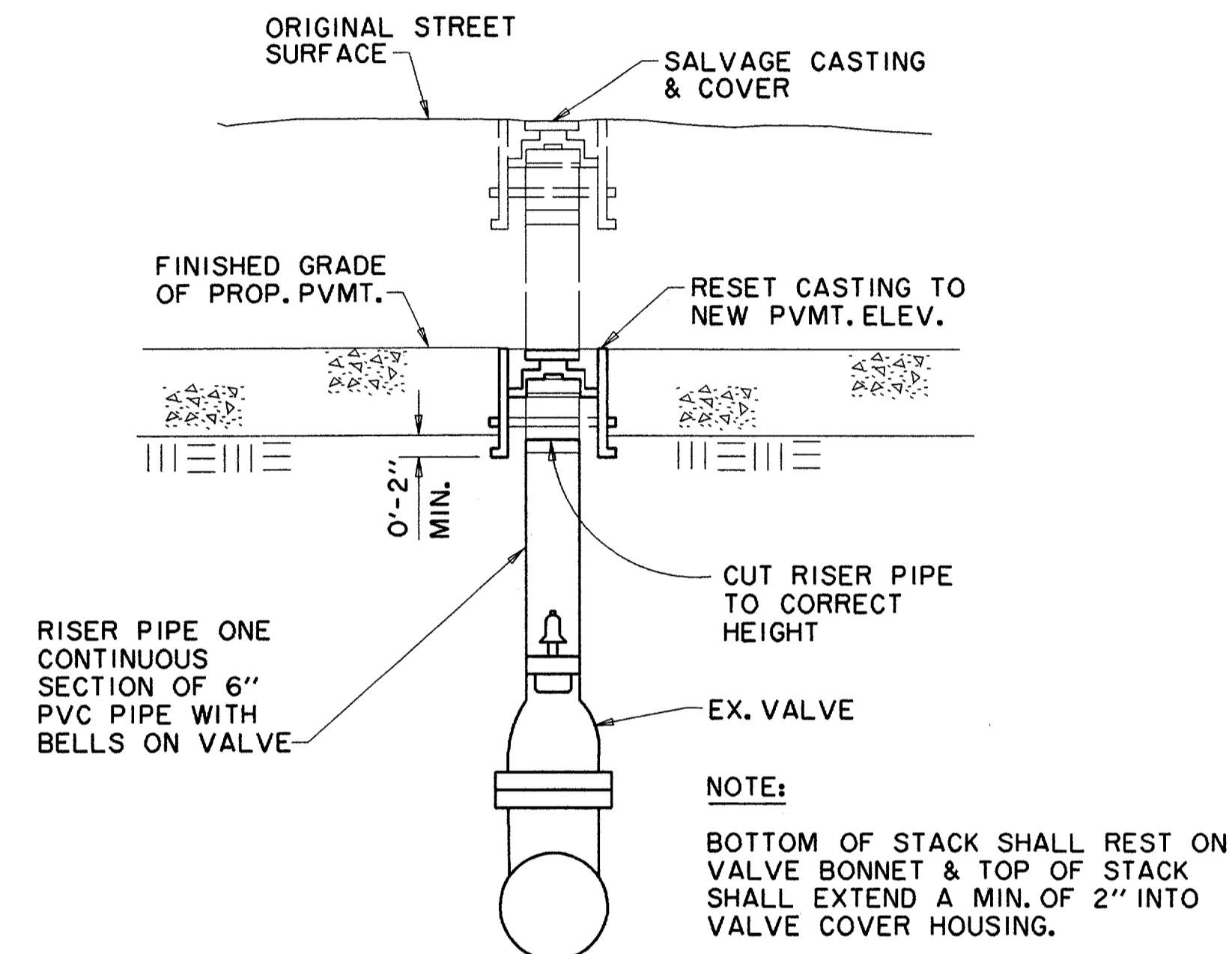
CONC. ENCASEMENT WATER MAIN

N.T.S.



PVC EMBEDMENT

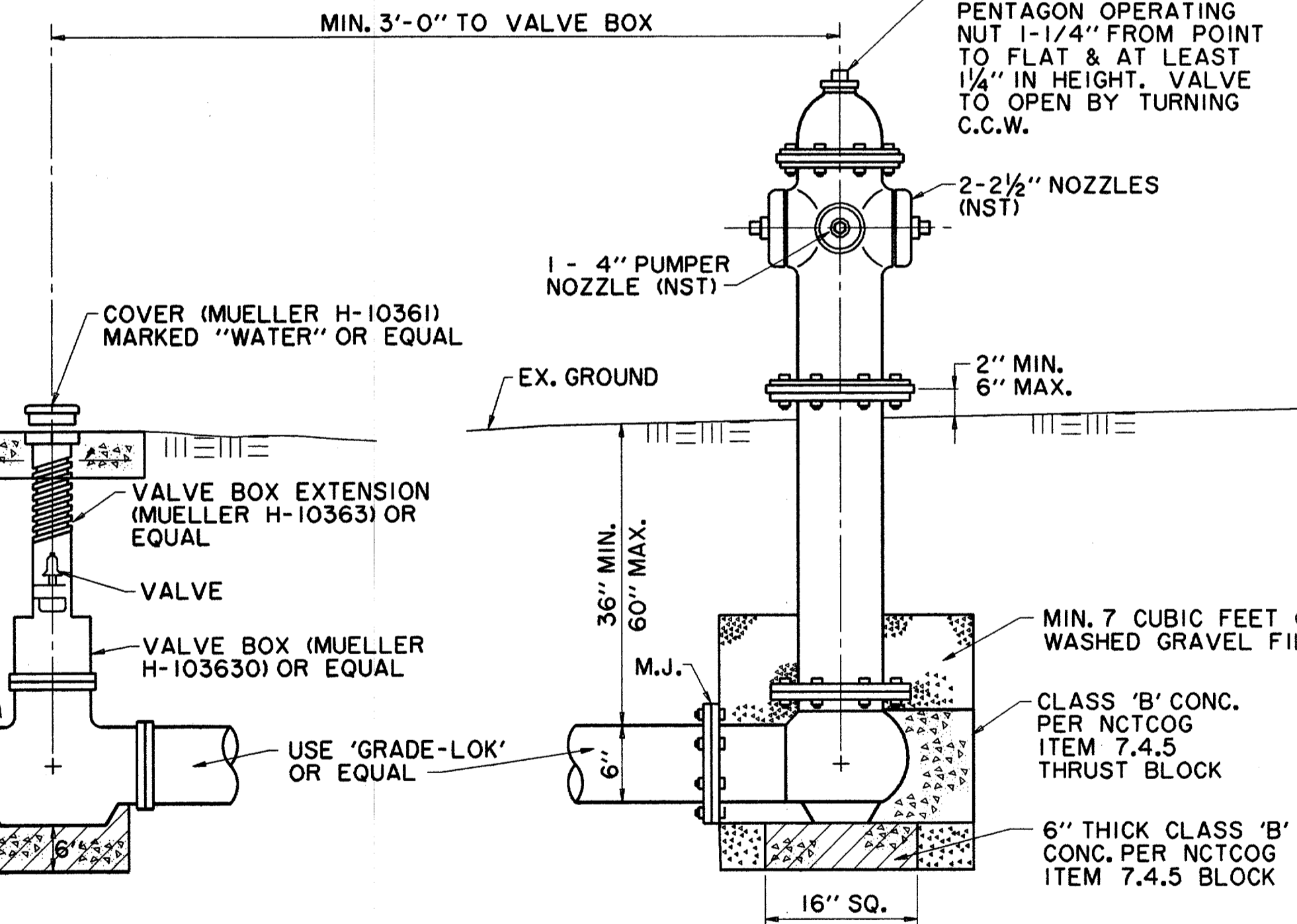
N.T.S.



VALVE COVER & RISER PIPE ADJUSTMENT

N.T.S.

FIRE HYDRANT TO BE "MUELLER" TRAFFIC MODEL W/6" MECHANICAL JOINT CONNECTION OR APPROVED EQUAL W/5/8" VALVE OPENING W/BARREL APPROX. 7" INSIDE DIAMETER. HYDRANT BODY SHALL BE COATED W/2 COATS OF ALUMINUM PAINT OVER TWO COATS OF PRIMER. 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-502-73 OR LATEST REVISION) USE "MUELLER CENTURION"

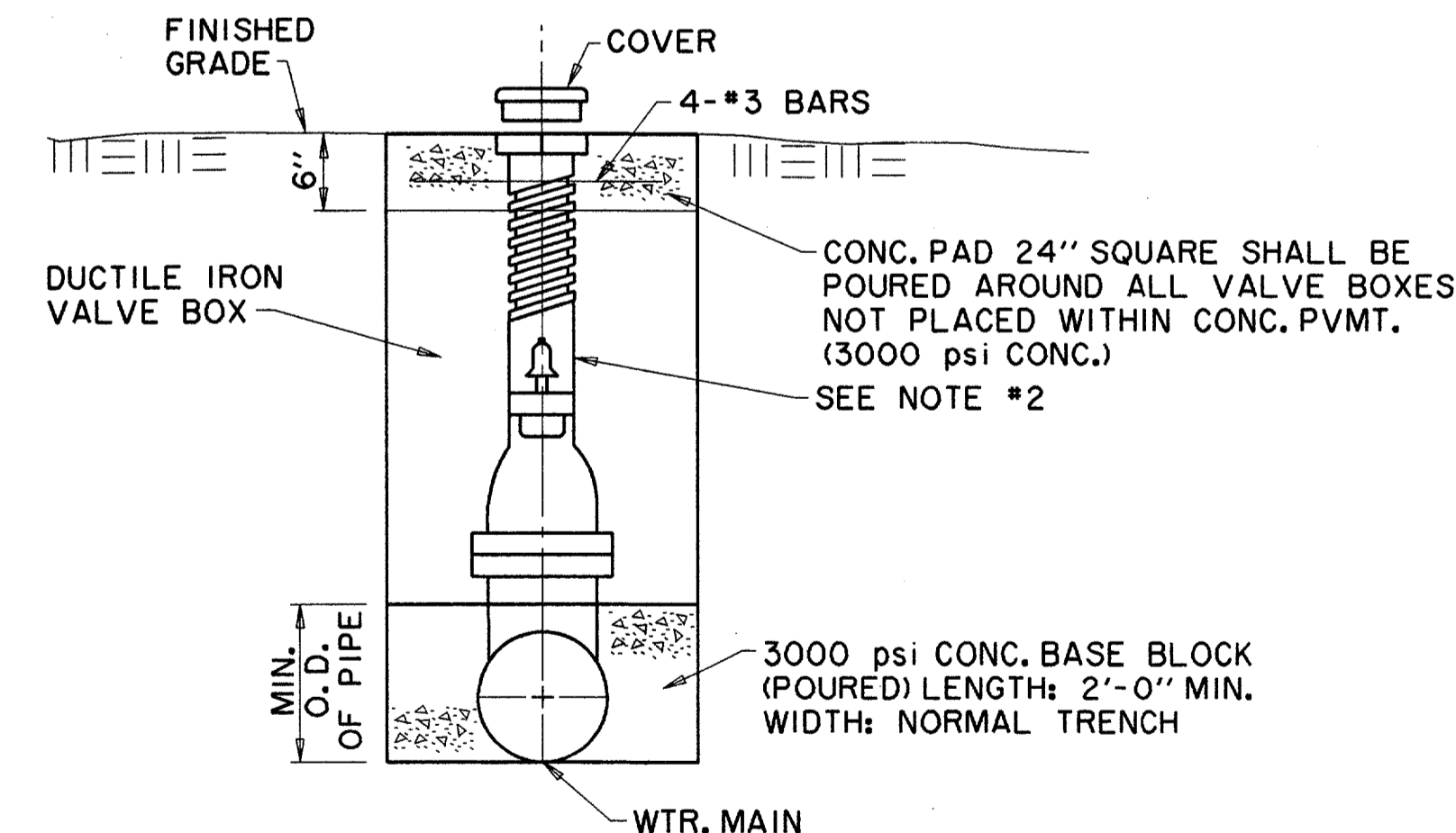


TYPICAL FIRE HYDRANT INSTALLATION

N.T.S.

GENERAL NOTES:

1. C 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.
2. DO NOT SET F.H. IN AN EXISTING OR PROPOSED SIDEWALK, UNLESS OTHERWISE NOTED.
3. ALL F.H. TEES SHALL BE FLANGED TEE WITH ANCHORING ON THE BRANCH WITH FLANGED x M.J., M.J. 6" VALVE.
4. SET F.H. ON THE LOT LINE EXTENDED WHEN POSSIBLE. (NOT APPLICABLE TO THIS PROJECT)
5. SEE SPECIFICATION FH-95-1 FOR ADDITIONAL REQUIREMENTS.



TYPICAL VALVE SETTING & BOX

N.T.S.

NOTES:

1. GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509-80 OR LATEST THEREOF. ALL VALVES SHALL BE "MUELLER" OR APPROVED EQUAL.
2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE ON WHICH THE 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.
3. VALVES SHALL BE OF DUCTILE IRON W/RUBBER ENCAPSULATED DISK. BOLTS SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.
4. ALL WATER COVERS SHALL BE MARKED "WATER".

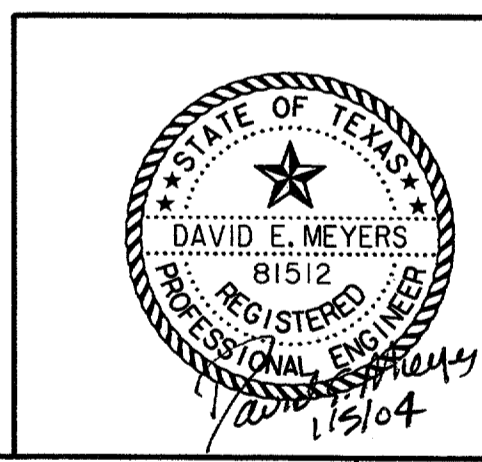
GATE VALVES AND VALVE BOXES:

1. GATE VALVES SHALL BE IRON BODY, BRONZE OR BRASS MOUNTED, NON-RISING STEM, RESILIENT WEDGE TYPE (SUCH AS MUELLER A-2360). VALVES SHALL BE OF EQUAL OR GREATER PRESSURE CLASS THAN THE PIPING IN WHICH THEY ARE TO BE INSTALLED.
2. 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.
3. VALVE DEPTH GREATER THAN 4 FEET REQUIRES VALVE EXTENSION STEM.

VALVE BOX DETAIL

N.T.S.

(SEE PLANS FOR "MAIN SIZE")



DATE	DESCRIPTION	REF. NO.				
1/05/04	ISSUED FOR CONSTRUCTION					
11/07/03	ISSUED FOR BID					
WATER DETAILS						
SPECTRUM DRIVE EXTENSION						
TOWN OF ADDISON, TEXAS						
<small>Hull & Zolters, Inc. 3131 McKinney Ave., Suite 600, Dallas, TX 75204 Phone: (214) 871-3311/Fax: (214) 871-0757</small>						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	NOV 2003	01-3220-01	34