

BY THE TOWN. TYPICAL WATER SERVICE DETAIL UP TO 2" METER N.T.S.

ALL BRONZE ONE PIECE PENTAGON OPERATING MIN. 3'-0" TO VALVE BOX NUT 1-1/4" FROM POINT TO FLAT AND AT LEAST **fire hydrant to be "Mueller"** traffic model w/6" MECHANICAL JOINT CONNECTION OR APPROVED EQUAL 1½" IN HEIGHT. VALVE W/5%" VALVE OPENING W/BARREL APPROX. 7" INSIDE TO OPEN BY TURNING DIAMETER. HYDRANT BODY SHALL BE COATED W/2 COATS C.C.W. 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 -2-21/2" NOZZLES OBSTRUCTION. (150 psi WORKING PRESSURE - AWWA STD. I - 4" PUMPER C-502-73 OR LATEST REVISION) USE "MUELLER CENTURION" NOZZLE (NST) COVER (MUELLER H-10361) MARKED "WATER" OR EQUAL EX. GROUND $\Pi = \Pi =$ 1444 2' x 2' x 6" VALVE BOX EXTENSION 3000 psi (MUELLER H-10363) OR CONCRETE -**EQUAL** 125 Ib. N.R.S. -GATE VALVE. VALVE MIN. 7 CUBIC FEET OF WASHED GRAVEL FILL AWWA STD. C-500 OR APP. -VALVE BOX (MUELLER H-103630) OR EQUAL EQUAL WATER MAIN -CLASS 'B' CONCRETE PER NCTCOG ITEM 7.4.5 THRUST BLOCK 6" THICK CLASS 'B' CONC. PER NCTCOG ITEM 7.4.5 BLOCK SUPPORT PAD SHALL BE 3000 psi CONC. 6" THICK & OF SUFFICIENT 16" SQ.

GATE VALVES AND VALVE BOXES:

WIDTH TO SUPPORT ENTIRE VALVE

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I. 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 BOX DETAIL

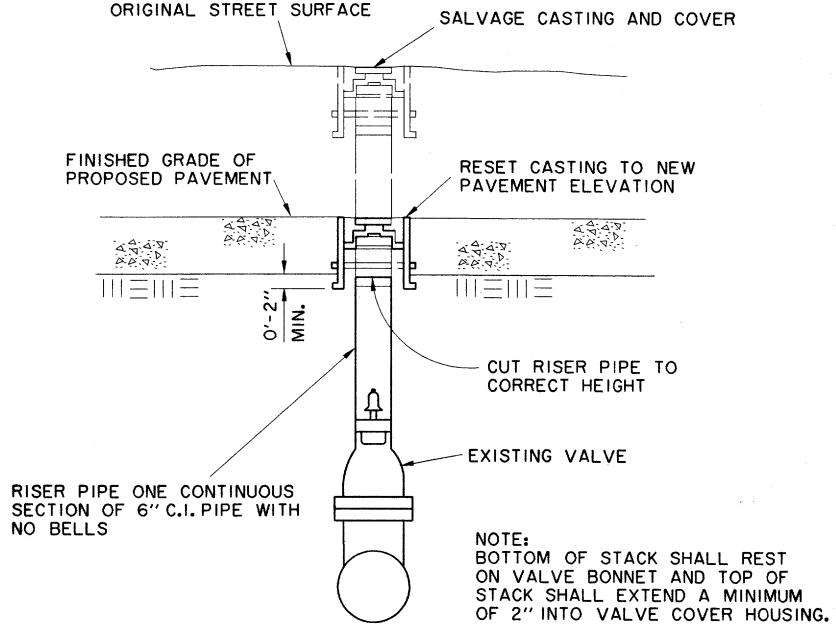
(SEE PLANS FOR "MAIN SIZE")

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.

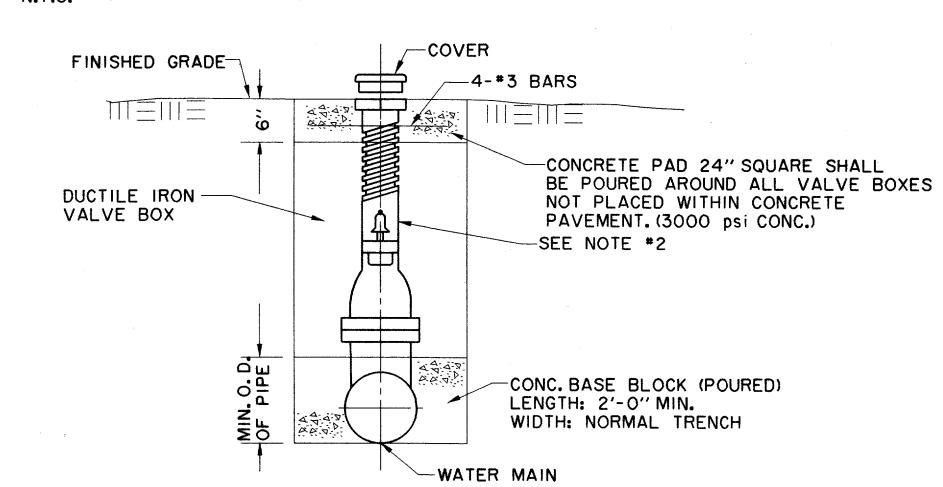
TYPICAL FIRE HYDRANT INSTALLATION N.T.S.

GENERAL NOTES:

- I. 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 M.J. WITH ANCHORING ON THE BRANCH WITH 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.



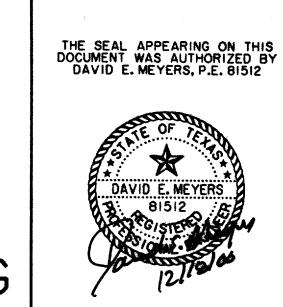
VALVE COVER AND RISER PIPE ADJUSTMENT



TYPICAL VALVE SETTING AND BOX

NOTES:

- I. 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 WRAPED.
- 3. VALVES SHALL BE OF DUCTILE IRON W/RUBBER ENCAPSULATED DISK. BOLTS SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.



RECORD DRAWING

DATE DESCRIPTION REF NO. 10/3/97 ISSUED FOR CONSTRUCTION N/A 7/14/97 ISSUED FOR BID N/A

WATER DETAILS

ADDISON CIRCLE

PHASE II PUBLIC INFRASTRUCTURE

TOWN OF ADDISON. TEXAS Huitt-Zollars, Inc./Engineering/Architecture

| Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario | | | | | | |
|--|-------|-------|--------|---------|-------------|-----|
| DESIGN | DRAWN | APPR. | SCALE | DATE | PROJECT NO. | NO. |
| HZI | HZI | DEM | N.T.S. | OCT. 97 | 01-1822-21 | WI4 |

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