MUST BE RE-EXPOSED BY THE CONTRACTOR FOR INSPECTION

TYPICAL WATER SERVICE DETAIL UP TO 2" METER

N.T.S.

BY THE TOWN.

O.D. + I'-O"

TYPICAL NATIVE MATERIAL (MAX 3" DIA.) IN 6" LIFTS COMPACTED TO A MIN. 95% OF MAX. DENSITY

2000 psi CONC.

6" MIN. AROUND PIPE & BELL

CONC. ENCASEMENT WATER MAIN

N.T.S.

ALL BRONZE ONE PIECE

PENTAGON OPERATING

PVC EMBEDMENT

ORIGINAL STREET
SURFACE

SELECT MATERIAL

(CLEAN SAND) —

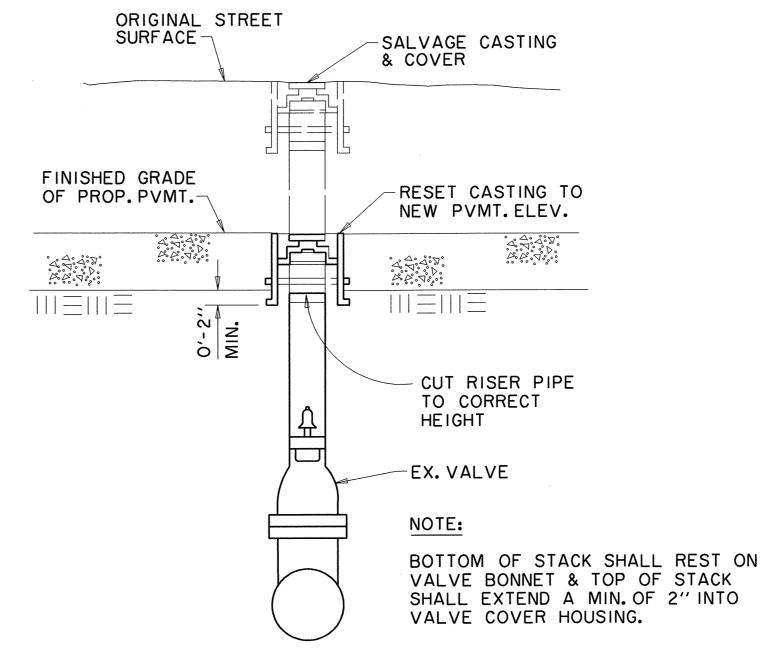
9" MAX.

PER NCTCOG

ITEM 2.1.8

EACH ZONE PLACED AND -

COMPACTED SEPARATELY



O.D. + 1' - 6"

TYPICAL NATIVE

MATERIAL (MAX.

3" DIA.) IN 6" LIFTS

COMPACTED TO A

GEOTEXTILE FABRIC

NCTCOG ITEM 2.1.8

6" MIN. IN ROCK

PER NCTCOG ITEM 2.23.3

-GRADE 4 CRUSHED STONE

MIN. 95% OF MAX.

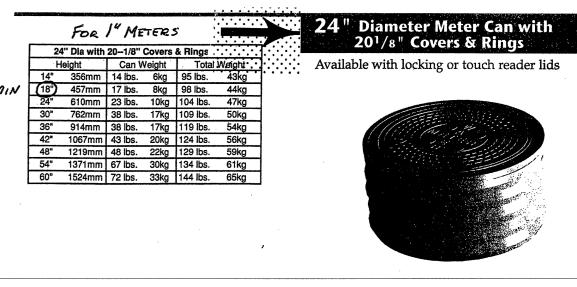
DENSITY

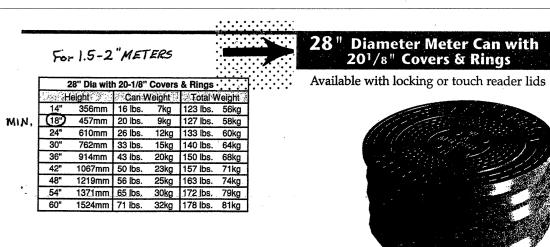
6" MAX.

#5 Texas Special for Reader Cover #6 Texas Special for Reader Cover #7 Texas Special for Reader Cover #8 Diameter Meter Can with 125/8" Covers & Rings #7 Texas Special for Reader Cover #8 Texas Special for Reader Covers #8 Texas Special for Reader Co

18 " Diameter Meter Can with 125/8" Covers & Rings

Available with locking, drop-in or touch reader lids

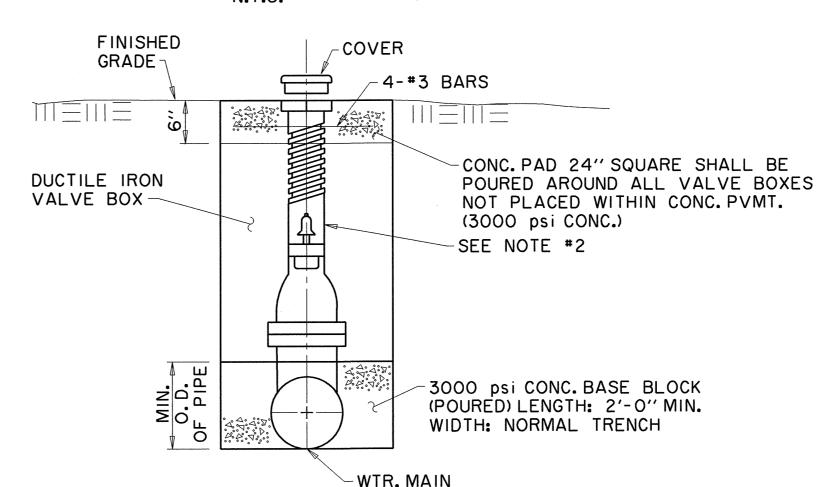




RECORD DRAWING

HZI

VALVE COVER & RISER PIPE ADJUSTMENT



TYPICAL VALVE SETTING & 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.
- 4. ALL WATER COVERS SHALL BE MARKED ''WATER''.

MIN. 3'-0" TO VALVE BOX NUT I-1/4" FROM POINT TO FLAT & AT LEAST FIRE HYDRANT TO BE "MUELLER" TRAFFIC MODEL W/6" MECHANICAL JOINT CONNECTION OR APPROVED EQUAL I¼''IN HEIGHT. VALVE W/54" VALVE OPENING W/BARREL APPROX. 7" INSIDE TO OPEN BY TURNING DIAMÈTER. 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 -2-21/2" NOZZLES (NST) FLANGE & SHALL BE NO CLOSER THAN 3' TO ANY SURFACE OBSTRUCTION. (150 psi WORKING PRESSURE - AWWA STD. I - 4" PUMPER C-502-73 OR LATEST REVISION) USE "MUELLER CENTURION" NOZZLE COVER (MUELLER H-10361) MARKED "WATER" OR EQUAL HYDRANT VALVES FLANGED TO TEE. EX. GROUND 6" MAX. MEGA-LUG FOR ALL MECH. JOINT FITTINGS. 2'x2'x6" 6'-0" (16") 5'-0" (18") MIN. COVER - VALVE BOX EXTENSION 3000 (MUELLER H-10363) OR psi CONC. MAX XAX EQUAL 125 lb. N.R.S. GATE VALVE, -VALVE AWWA STD. MIN. 7 CUBIC FEET OF C-500 OR APP. WASHED GRAVEL FILL -VALVE BOX (MUELLER **EQUAL** H-103630) OR EQUAL M.J. WTR. MAIN--CLASS 'B' CONC. PER NCTCOG ITEM 7.4.5 USE 'GRADE-LOK THRUST BLOCK OR EQUAL 6" THICK CLASS 'B' CONC. PER NCTCOG SUPPORT PAD SHALL BE 3000 psi CONC. 6" THICK & OF SUFFICIENT ITEM 7.4.5 BLOCK 16" SQ. WIDTH TO SUPPORT ENTIRE VALVE-

VALVE BOX DETAIL

(SEE PLANS FOR "MAIN SIZE"

GATE VALVES AND VALVE BOXES:

* * * * * * *

2 2 2 2 3

2 2 2 2 3

3 5 5 5

2 2 2 2 3

INDGNNDETBDQUORUM.DGI finames, eno refileveise finames, eno refileveise finames, eno refileveise finames, eno refileveise

• no ref n

RFO, H; •no ref •no ref

- I. GATE VALVES SHALL BE DUCTILE 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 U.S.A. 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.

TYPICAL FIRE HYDRANT INSTALLATION N.T.S.

GENERAL NOTES:

- I. & 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. RESTRAINING GLANDS EBAA SERIES 2000 OR EQUAL.
- 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.

KEVIN N. CARLSON

89232

CONTENSION

15-09

WATER DETAILS

THIS DRAWING HAS BEEN MODIFIED FROM THE ORIGINAL TO

SHOW ONLY THE FIELD CHANGES AND ADJUSTMENTS MADE

DURING CONSTRUCTION BY THE CONTRACTOR WHICH WERE

DOCUMENTED AND FURNISHED TO THE ENGINEER FOR THE

PURPOSE OF PREPARING THESE RECORD DRAWINGS. FIELD

INSPECTION OF CONSTRUCTION WAS PERFORMED BY OTHERS. TO THE BEST OF OUR KNOWLEDGE AND UNDERSTANDING THESE RECORD DRAWINGS REPRESENT THE "AS-BUILT" CONDITIONS.

QUORUM DRIVE

TOWN OF ADDISON, TEXAS

Huitt - Zollars, Inc.
3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

DESIGN CHECKED APPR. SCALE DATE PROJECT NO. NO.

N.T.S. 01/15/09

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