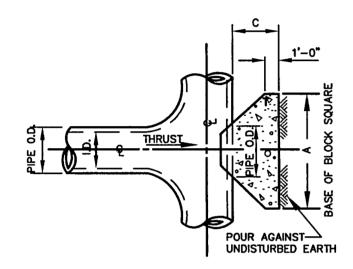
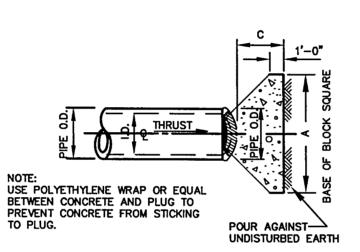


HORIZONTAL THRUST BLOCK

			△=11.25°				△=22.50°			△=45°			△=90°					
I.D. (IN)	сF.	E F	σF	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.
6/8	1.5	0.9	0.4	1.0	1.5	0.1	0.8	1.5	1.5	0.1	1.5	2.0	2.0	0.2	2.7	5.0	1.5	0.4



PLUG & TEE THRUST BLOCK								
I.D. (IN)	C FT.	A FT.	VOL. C.Y.					
6/8	1.5	2.5	0.3					
10/12	1.5	3.5	0.6					
16/18	2.0	5.5	1.6					
20	2.0	6.0	1.9					
24	2.5	7.0	3.1					
30	3.0	7.5	4.1					

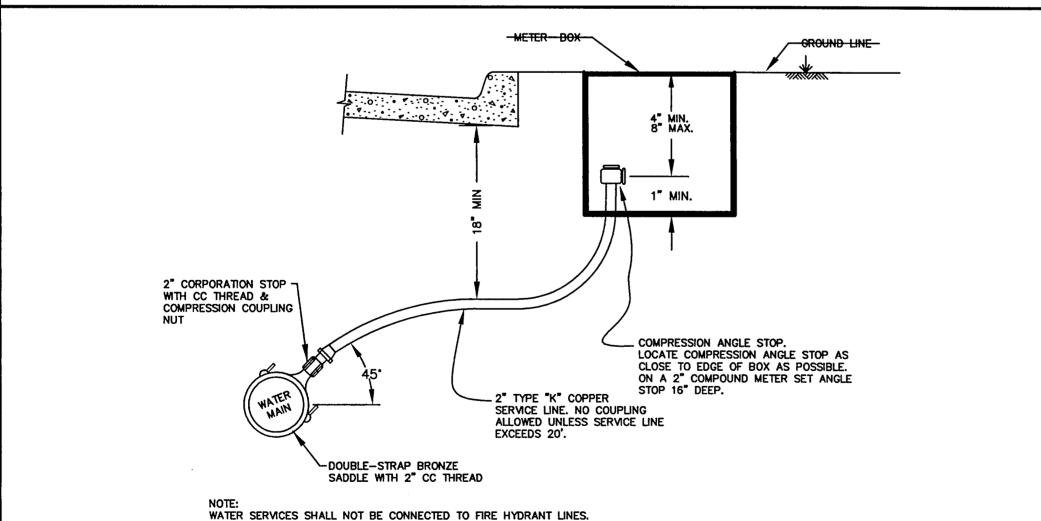


GENERAL NOTES FOR ALL THRUST BLOCKS:

- . ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 P.S.I. (EXCEPT 30" I.D.-150 P.S.I.).
- 2. CONCRETE FOR BLOCKING SHALL BE CLASS B, 2000 P.S.I. CONCRETE.
- DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE C.M. THE NET VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN IN TABLES.

PLAN OF TEE THRUST BLOCK

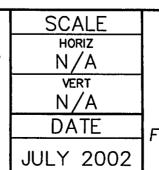
PLAN OF PLUG THRUST BLOCK



WATER SERVICES SHALL NOT BE CONNECTED TO FIRE HYDRANT LINES.
ALL MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS
AND/OR SPECIAL PROVISIONS.

TYPICAL SERVICE CONNECTION WITH METER BOX

DESIGNED DRAWN CHECKED BY DATE **REVISION**





45° BEND WITH RETAINER GLANDS & MEGA-LUG RESTRAINT AS REQUIRED.

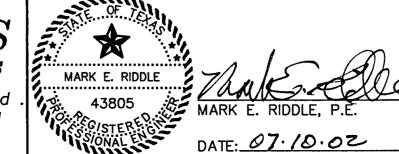
(EBAA 2000 PV SERIES OR EQUAL) -

45° BEND WITH RETAINER GLANDS & MEGA-LUG RESTRAINT AS REQUIRED.

(EBAA 2000 PV SERIES OR EQUAL) ----

PROPOSED A

Irving, Texas 75061 (972) 254-1765



45° BEND WITH RETAINER GLANDS & MEGA-LUG RESTRAINT AS REQUIRED.

(EBAA 2000 PV SERIES OR EQUAL)

45° BEND WITH RETAINER GLANDS & MEGA-LUG RESTRAINT AS REQUIRED.

(EBAA 2000 PV SERIES OR EQUAL)

TOWN OF ADDISON WRIGHT BROTHERS / WILEY POST

WATER LINE REPLACEMENT MISCELLANEOUS DETAILS 1

FLOOR DOOR CUT-IN NEW -HILTI DROP-IN ANCHOR HDI ANCH 1/2 (MIN. 2 PER SIDE) - GROUT FILL - EXISTING VAULT

GENERAL NOTES FOR METER VAULT LIDS:

INSTALL DIRT PAN

- 1. CONTRACTOR SHALL INSTALL BILCO TYPE KD-3 DOUBLE LEAF ALUMINUM DOORS OR APPROVED EQUAL AS DIRECTED BY THE OWNER.
- CONTRACTOR SHALL SAWCUT EXISTING CONCRETE IN ORDER FOR THE NEW WATER VAULT LID TO ADEQUATELY FIT. THE CONTRACTOR SHALL GROUT AROUND THE PROPOSED WATER VAULT LID AND INSTALL ANCHORS INTO THE EXISTING CONCRETE AS REQUIRED (MIN. 2 EACH SIDE).

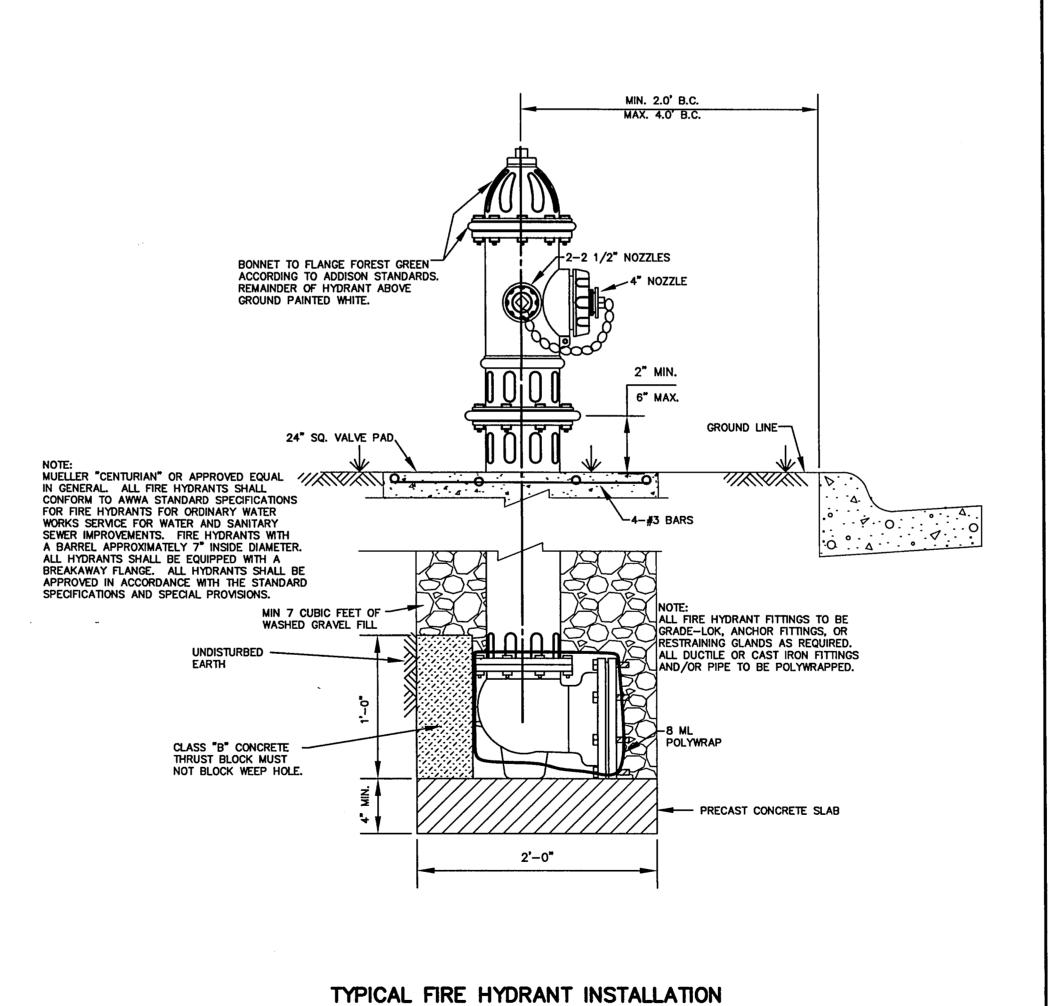
WATER VAULT LID

VALVE COVER

TOP OF EXISTING PAVEMENT, SOIL OR PROP. PAVEMENT

CONCRETE PAD 24" SQUARE SHALL BE POURED AROUND ALL VALVE BOXES NOT PLACED WITHIN CONCRETE PAVEMENT. 3000 P.S.I. CONCRETE.

SEE NOTE #2



WATER LINE RELOCATION AT STORM SEWER CROSSING

> POLYWRAP 1. GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509-80 OR LATEST THEREOF. ALL VALVES SHALL BE "MUELLER" OR EQUAL.

2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHOSE OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4 FEET OF VALVE BOX LID. MANUFACTURED VALVE STACK DUCTILE IRON PIPE TO BE USED FOR EXTENSION GREATER THAN 4'. BELL END OF STACK TO BE FITTED OVER VALVE, AND VALVE STACK IS TO BE POLYWRAPPED.

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

4. VALVE COVERS SHALL BE MARKED "WATER".

TYPICAL VALVE SETTING & BOX

ADD01333 SHEET OF

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TNP PROJECT