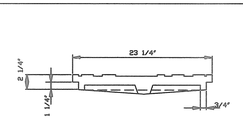
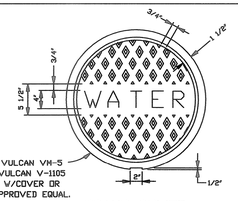
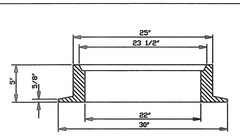


COVER SECTION
N.T.S.

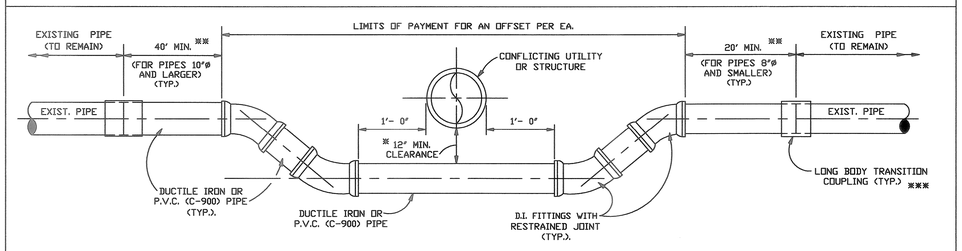


FRAME COVER
N.T.S.



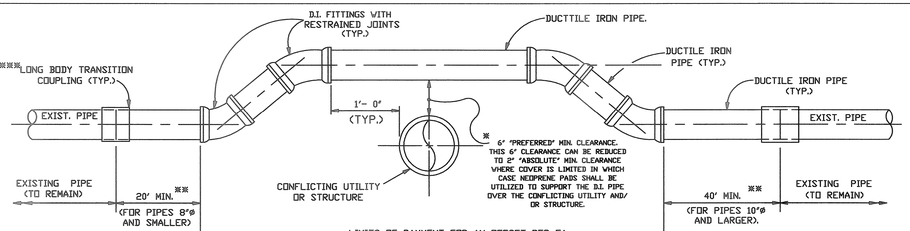
FRAME SECTION
N.T.S.

MANHOLE COVER
N.T.S.



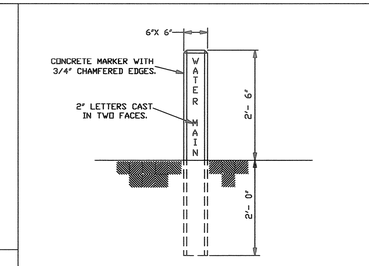
TYPICAL VERTICAL OR HORIZONTAL OFFSET DETAILS
FOR WATER AND SEWER FORCE MAINS
N.T.S.

※ 18" MIN. CLEARANCE BETWEEN SANITARY SEWER LINES AND WATER LINES.
※※ TO BE PAID FOR PER LIN. FT. OF PIPE.
※※※ TO BE PAID FOR PER EACH.

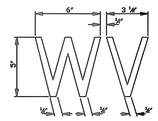


TYPICAL VERTICAL OFFSET DETAILS
FOR WATER AND SEWER FORCE MAINS.
N.T.S.

※ 18" MIN. CLEARANCE BETWEEN SANITARY SEWER LINES AND WATER LINES.
※※ TO BE PAID FOR PER LIN. FT. OF PIPE.
※※※ TO BE PAID FOR PER EACH.

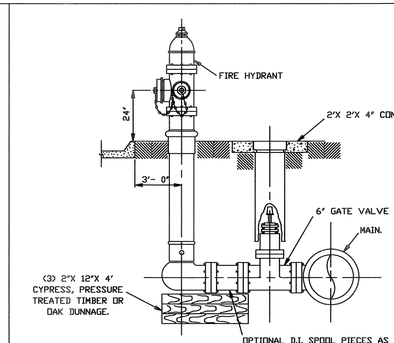


MARKER FOR WATER MAINS 14" AND ABOVE
N.T.S

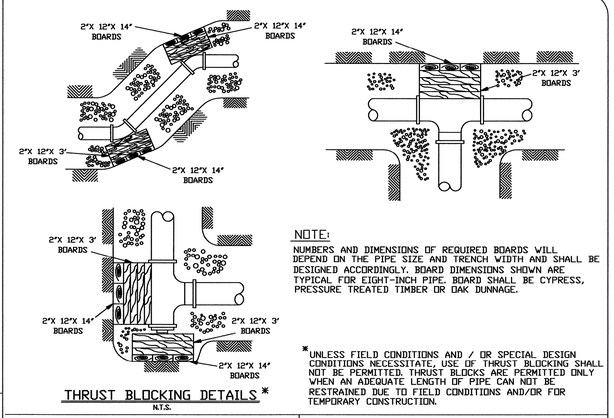


TO BE PLACED IN FACE OF NEW CURB AT EVERY VALVE.

VALVE MARKER
N.T.S.



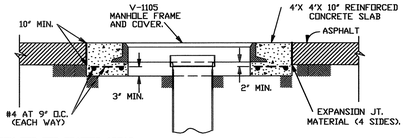
FIRE HYDRANT ASSEMBLY DETAIL
N.T.S.



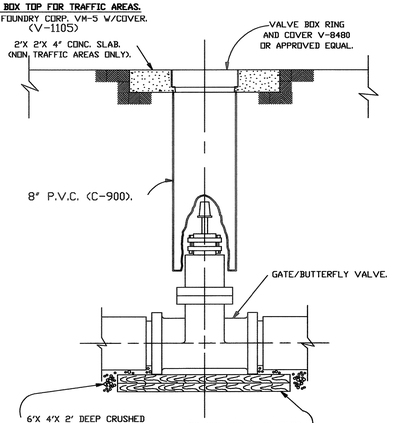
THRUST BLOCKING DETAILS ※
N.T.S.

NOTE:
NUMBERS AND DIMENSIONS OF REQUIRED BOARDS WILL DEPEND ON THE PIPE SIZE AND TRENCH WIDTH AND SHALL BE DESIGNED ACCORDINGLY. BOARD DIMENSIONS SHOWN ARE TYPICAL FOR EIGHT-INCH PIPE. BOARD SHALL BE CYPRESS, PRESSURE TREATED TIMBER OR OAK DUNNAGE.

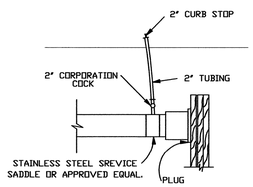
※ UNLESS FIELD CONDITIONS AND / OR SPECIAL DESIGN CONDITIONS NECESSITATE, USE OF THRUST BLOCKING SHALL NOT BE PERMITTED. THRUST BLOCKS ARE PERMITTED ONLY WHEN AN ADEQUATE LENGTH OF PIPE CAN NOT BE RESTRAINED DUE TO FIELD CONDITIONS AND/OR FOR TEMPORARY CONSTRUCTION.



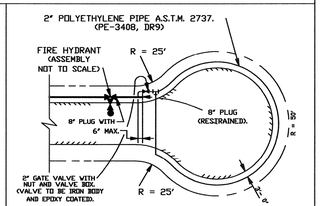
VALVE BOX TOP FOR TRAFFIC AREAS.
VULCAN FOUNDRY CORP. VM-5 W/COVER. (V-1105)



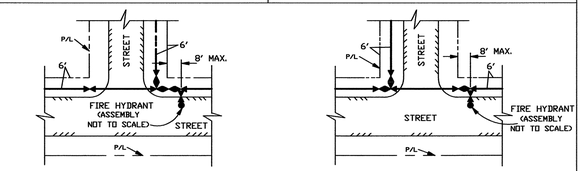
VALVE BOX DETAIL
N.T.S.



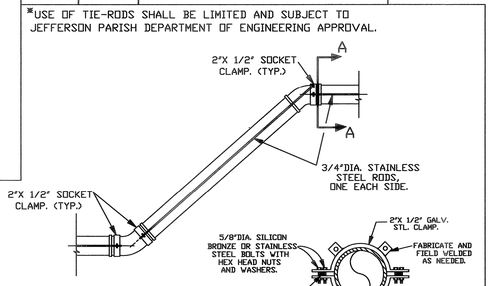
2" BLOW-OFF DETAIL



CUL-DE-SAC DETAIL

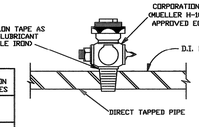


TYPICAL FIRE HYDRANT AND VALVE LOCATIONS AT INTERSECTIONS
N.T.S.

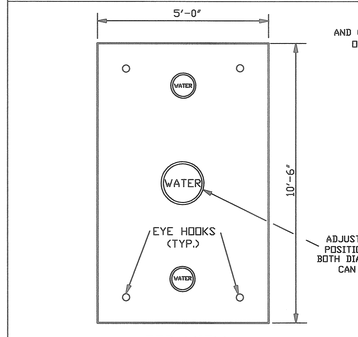


TIE-ROD DETAILS
N.T.S

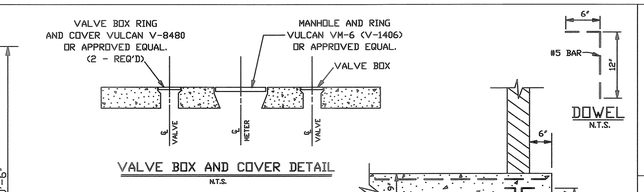
NORMAL PIPE SIZE, INCHES	SIZE OF CORPORATION STOP, INCHES
16" AND SMALLER	1
16" THROUGH 36"	2
LARGER THAN 36"	3



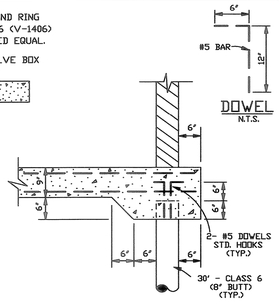
TYPICAL AIR VALVE INSTALLATION
N.T.S.



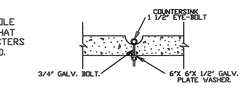
TOP VIEW
N.T.S.



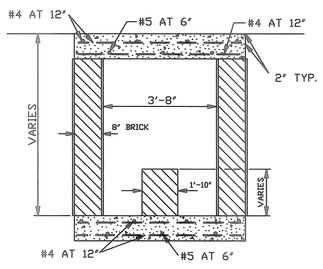
VALVE BOX AND COVER DETAIL
N.T.S.



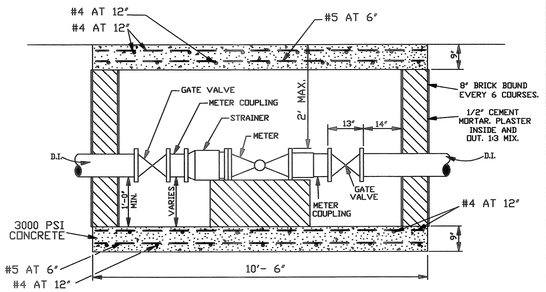
CORNER DETAIL WHERE PILE REQUIRED
N.T.S.



LIFT-RING DETAIL FOR EYE-HOOKS
N.T.S.

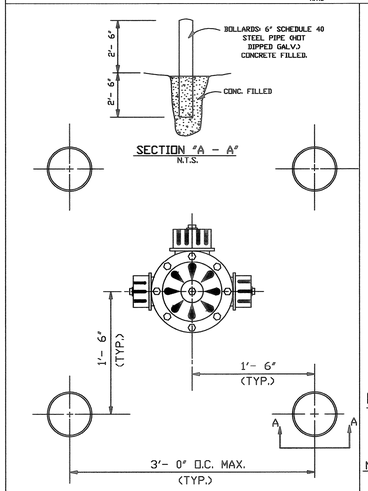


FRONT VIEW
N.T.S.



SIDE VIEW
N.T.S.

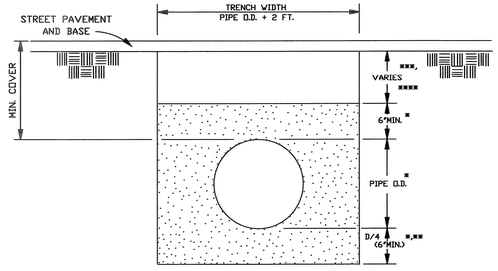
BOX FOR 6" AND LARGER METERS



BOLLARDS FOR FIRE HYDRANTS TO PROTECT FROM TRAFFIC
N.T.S.

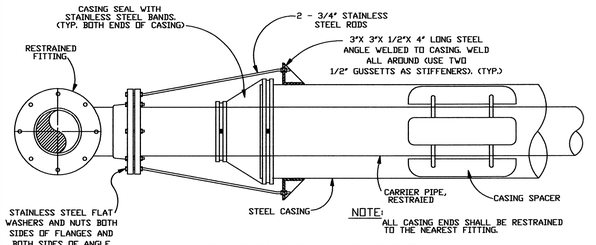
NOTES:
※ COMPACTED SAND, ASTM 2321 CLASS II (SW OR SP) MIN. DENSITY 90% STANDARD PROCTOR (ASTM D698) 6" MAX. LAYERS.
※※ PROVIDE BELL HOLES AT EACH JOINT.
※※※ SELECT EXCAVATED MATERIAL FREE OF STUMPS, DEBRIS AND VOIDS FOR NON-PAVED AREA.
※※※※ RIVER SAND WITHIN THE STREETS RIGHT-OF-WAY MIN. DESITY 95% STANDARD PROCTOR (ASTM D698)

MIN. COVER		PIPE SIZE (IN.)
3 FT.		8-10
4 FT.		>,12



WATER MAIN STANDARD TRENCH DETAIL
FOR D.I., PVC-900, PVC-C905 AND HDPE(MIN.THICKNESS, DR.11) PIPES
N.T.S.

NOTES:
1. WHERE GROUND WATER OR UNSTABLE TRENCH BOTTOM EXISTS, TRENCH BOTTOM SHALL BE STABILIZED (ASTM D2321) TO PROVIDE A WORKING PLATFORM.
2. TRENCH DETAIL SHOWN WILL BE MIN. REQUIREMENTS TO SAFEGUARD THE INTEGRITY OF THE WATER LINE INSTALLATION AT HEREIN-SPECIFIED DEPTHS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SHEETING AND BRACING TO PROVIDE SAFE WORKING CONDITIONS FOR HIS WORKMEN.



NOTE:
ALL CASING ENDS SHALL BE RESTRAINED TO THE NEAREST FITTING.

CASING RESTRAINT DETAIL
N.T.S.

LEGEND:

EXISTING	PROPOSED	DESCRIPTION
		TEE, VALVE AND FIRE HYDRANT ASSEMBLY. (FLANGED OR RESTRAINED MECHANICAL JOINT)
		GATE VALVE.
BV	BV	BUTTERFLY VALVE.
		CROSS.
		TEE.
		TAPPING SLEEVE AND VALVE.
		REDUCER.
		BEND

JEFFERSON PARISH
DEPARTMENT OF ENGINEERING

DRAWING TITLE: WATER STANDARD DETAILS

DRAWN BY:	DATE FINISHED:	REVISED:	DATED:
H.J.W.	05/21/96	–	–
REVISED: H.J.W.	DATED: 01/23/02	REVISED: –	DATED: –
REVISED: H.J.W.	DATED: 09/04/03	DXF TO AUTOCAD-LT: H.J.W.	DATED: 02/02/04
XCED: AUTOCAD LT.2004		WIN: WATER1.DWG.	
FILE NUMBER: 1746C			

ORIGINAL
05/21/96