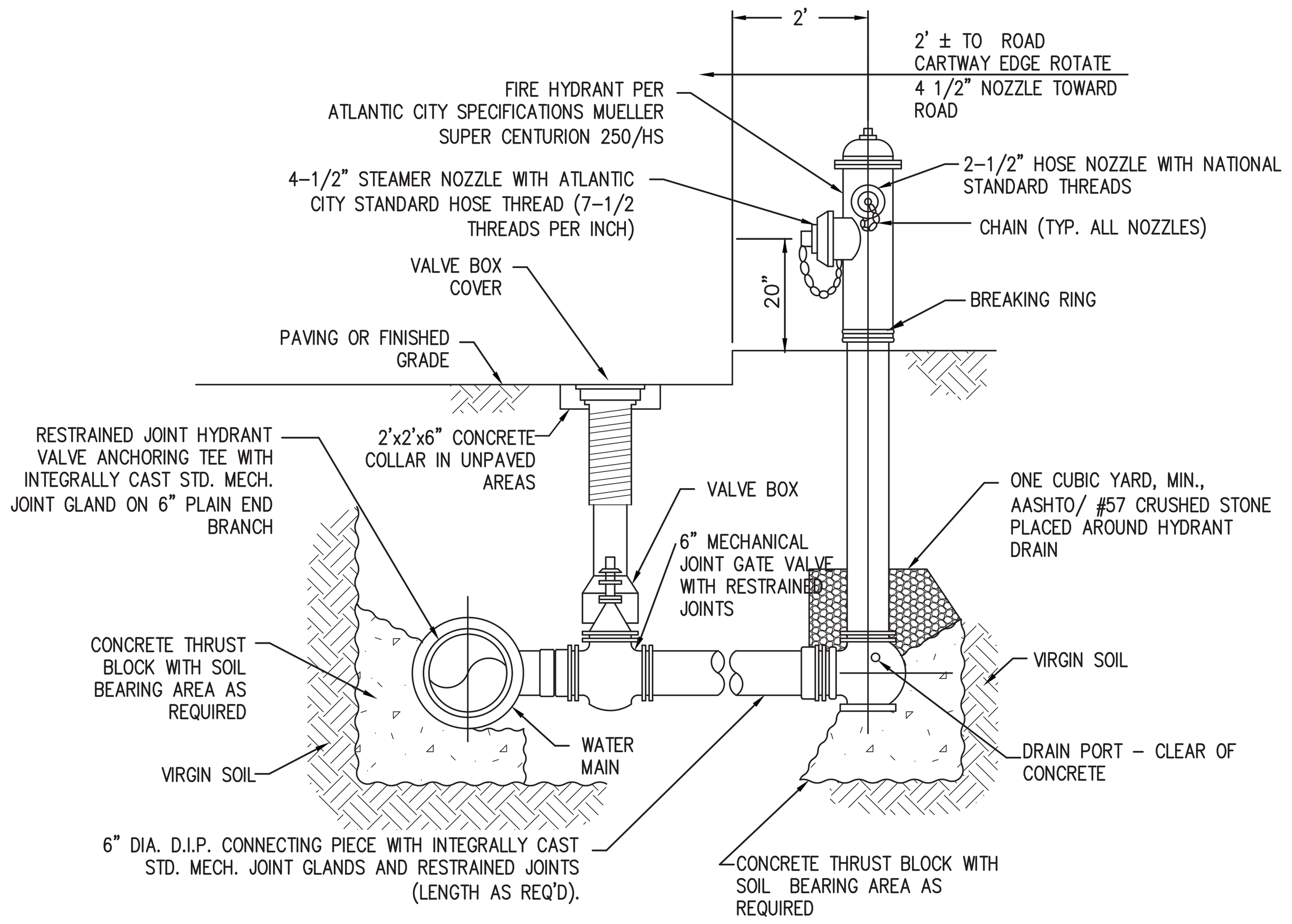
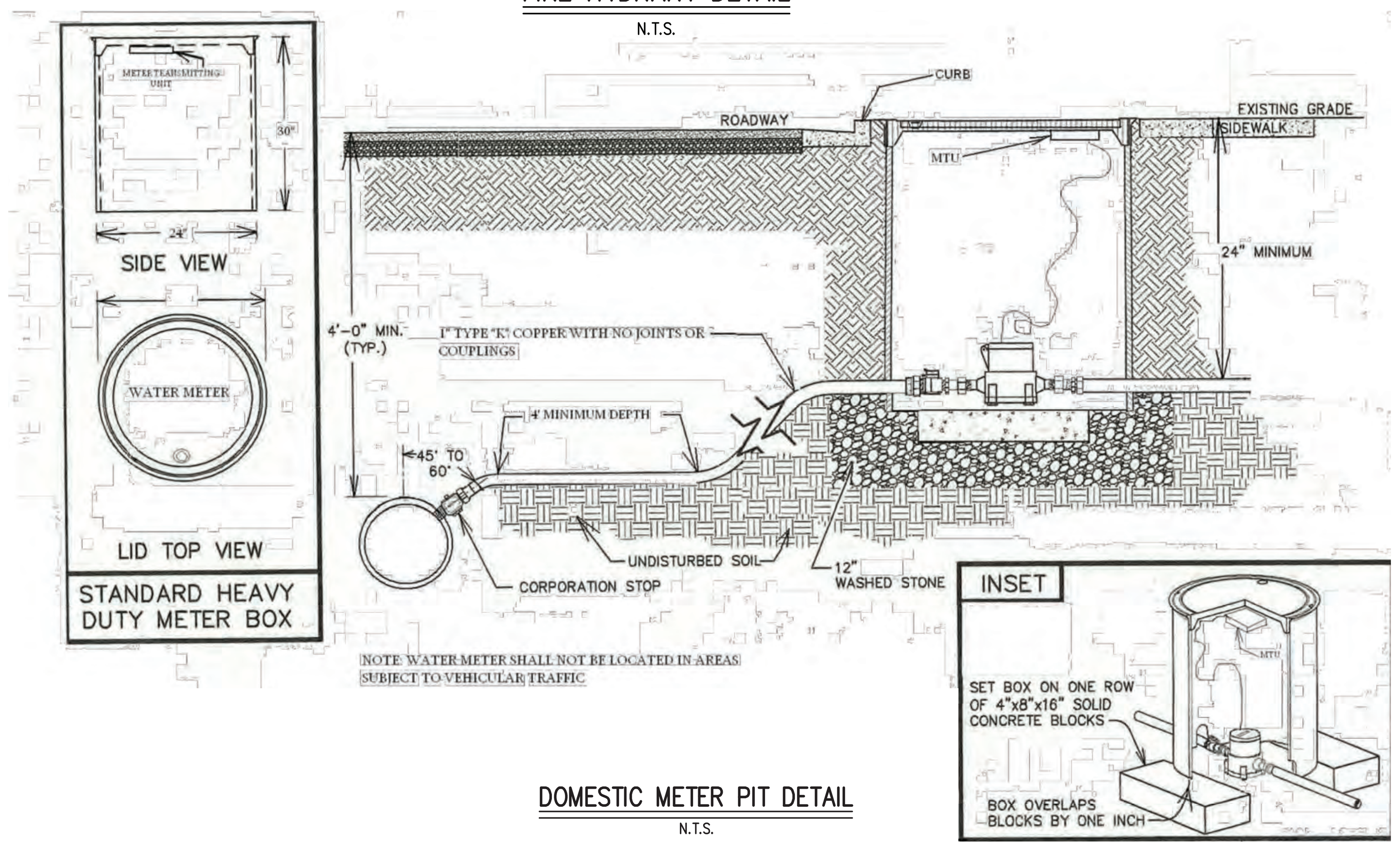
CREATED ON 06/09/2025, LAST MODIFIED ON 11/19/2025



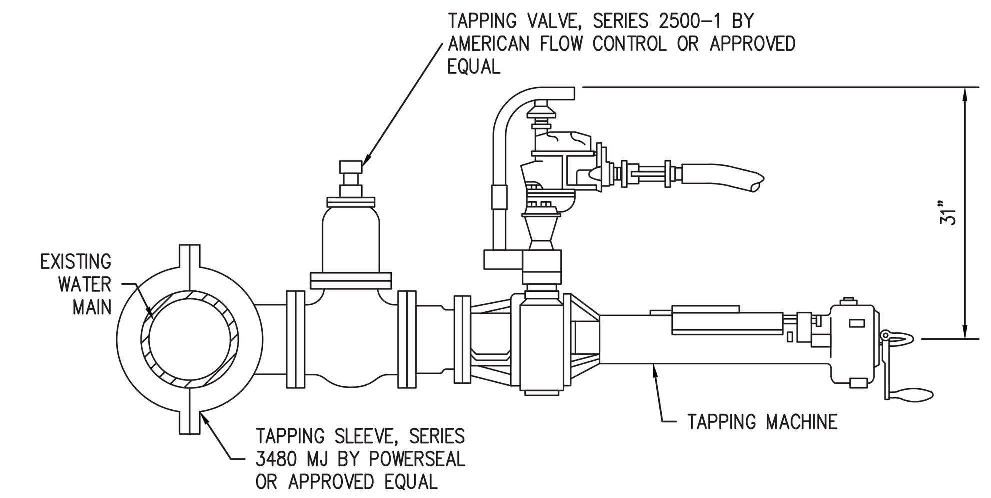
FIRE HYDRANT DETAIL

N.T.S.



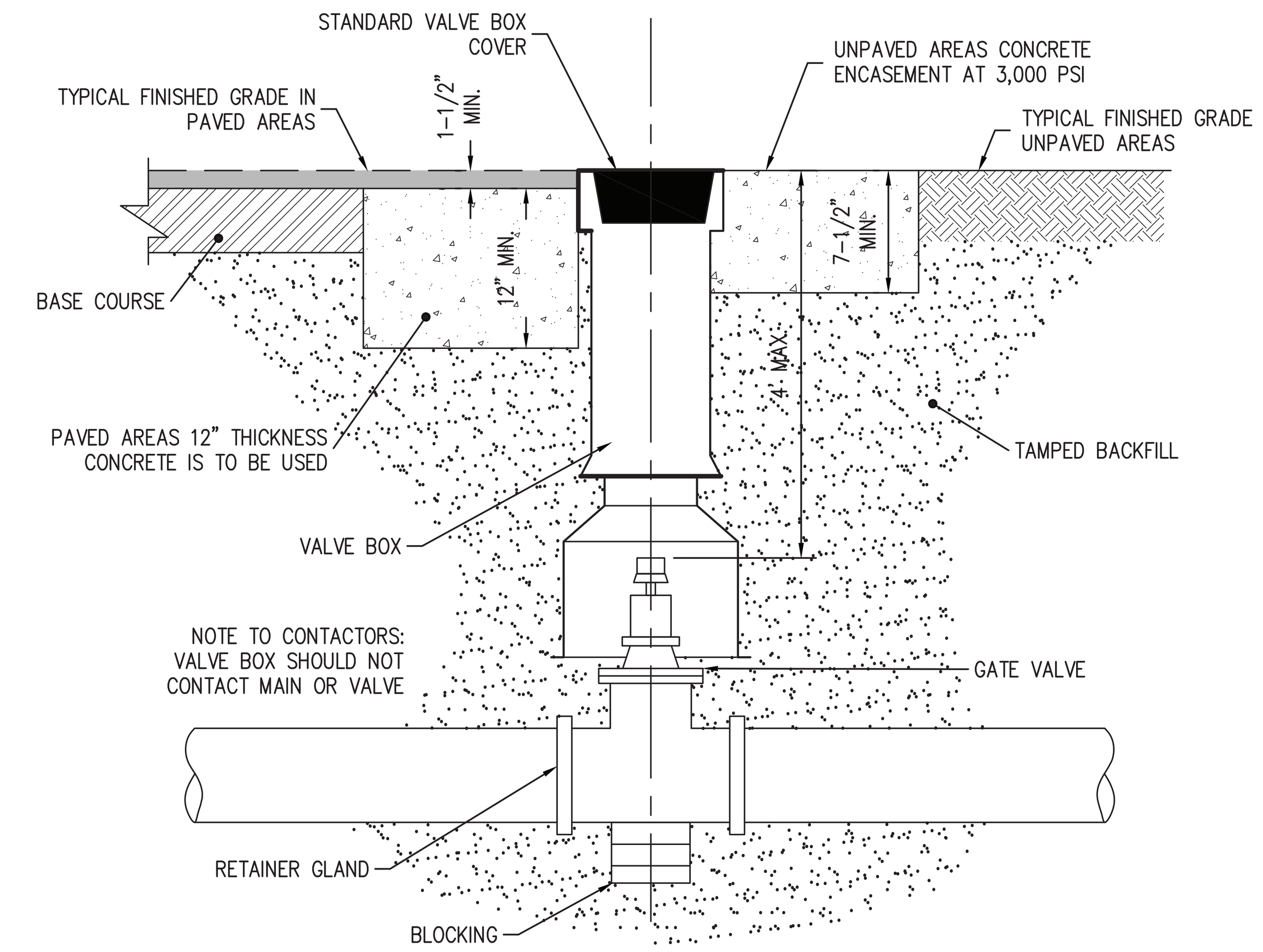
DOMESTIC METER PIT DETAIL

N.T.S.



WET TAP CONNECTION DETAIL

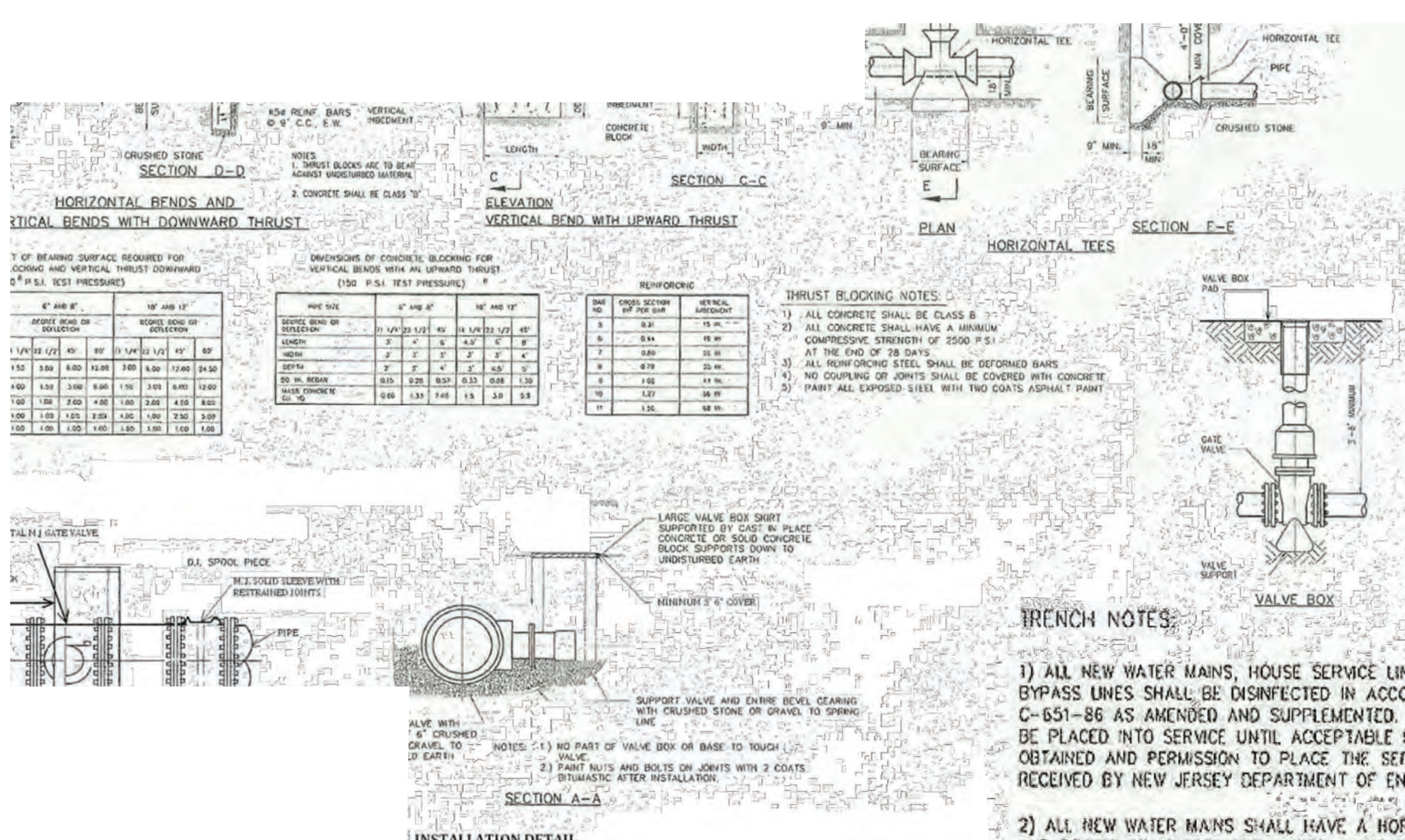
N.T.S.



1. NOTES:
2. ONLY MANUFACTURED VALVE BOX EXTENSIONS SHALL BE ALLOWED.
3. VALVE OPERATING NUT MUST BE EXTENDED SO THAT THE DEPTH IS NO GREATER THAN 4'(FT) FROM THE SURFACE USING A MANUFACTURER APPROVED EXTENSION KIT.
4. PRECAST CONCRETE ENCASEMENT IS ALLOWED OUTSIDE OF PAVED AREAS.

WATER VALVE INSTALLATION DETAIL

N.T.S.



TRENCH NOTES:

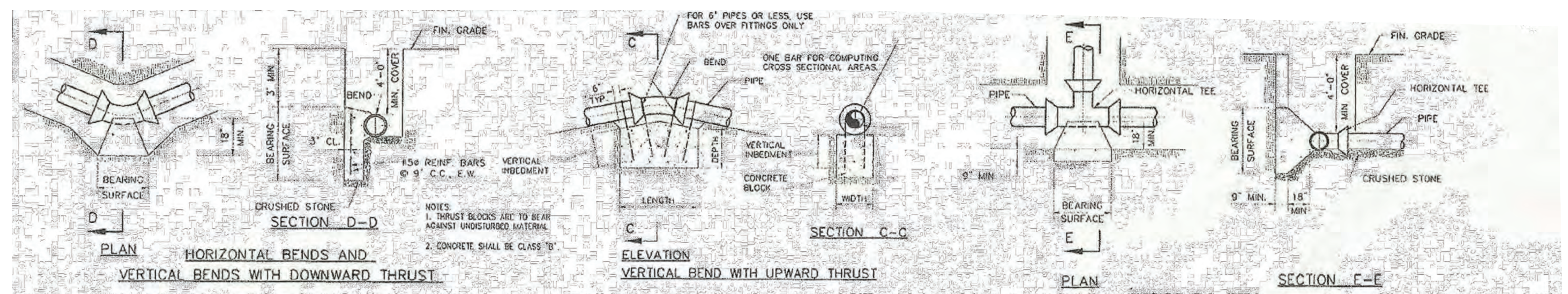
1) ALL NEW WATER MAINS, HOUSE SERVICE LINES, AND TEMPORARY WATER MAIN BYPASS LINES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C-651-86 AS AMENDED AND SUPPLEMENTED. MAINS AND SERVICES SHALL NOT BE PLACED INTO SERVICE UNTIL ACCEPTABLE BACTERIOLOGICAL RESULTS ARE OBTAINED AND PERMISSION TO PLACE THE SERVICES IN OPERATION HAS BEEN RECEIVED BY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION.

2) ALL NEW WATER MAINS SHALL HAVE A HORIZONTAL SEPARATION FROM SEWERS AND DRAINS OF 10 FEET AND WHERE MAINS CROSS VERTICALLY, CLEARANCE OF 18-INCHES (OUTSIDE OF PIPE TO OUTSIDE OF PIPE). WHERE THESE CLEARANCES CANNOT BE ACHIEVED THE CONTRACTOR WILL ENCASE THE PIPE IN CLASS B CONCRETE.

3) TRENCHES MUST BE BACKFILLED AT THE END OF EACH DAY, EXCEPT IN EMERGENCY SITUATIONS. STEEL PLATES WILL BE USED. ATLANTIC CITY AND/OR NJDOT PERMIT ENGINEER MUST BE NOTIFIED OF EMERGENCY SITUATIONS WITHIN CITY AND/OR STATE R.O.W.

STANDARD VALVE RESTRAINT DETAIL

N.T.S.



NOTES:
1. THRUST BLOCKS ARE TO BEAR AGAINST UNDISTURBED MATERIAL
2. CONCRETE SHALL BE CLASS 'B'.

HORIZONTAL BENDS AND VERTICAL BENDS WITH DOWNWARD THRUST

VERTICAL BEND WITH UPWARD THRUST

HORIZONTAL TEES

MINIMUM SQUARE FEET OF BEARING SURFACE REQUIRED FOR HORIZONTAL THRUST BLOCKING AND VERTICAL THRUST DOWNWARD (150 # P.S.I. TEST PRESSURE)

PIPE SIZES	6" AND 8"				10" AND 12"			
TYPE OF BEARING MATERIAL & ALLOWABLE LOADS	DEGREE BEND OR DEFLECTION				DEGREE BEND OR DEFLECTION			
	11 1/4°	22 1/2°	45°	90°	11 1/4°	22 1/2°	45°	90°
SAND 1 TON/SQ. FT. SOFT CLAY 1 TON/SQ. FT	1.50	3.00	6.00	12.00	3.00	6.00	12.00	24.50
SAND & GRAVEL 2 TON/SQ. FT	1.00	1.50	3.00	6.00	1.50	3.00	6.00	12.00
CLAY 3 TON/SQ. FT	1.00	1.00	2.00	4.00	1.00	2.00	4.00	8.00
SOFT ROCK 5 TON/SQ. FT	1.00	1.00	1.00	2.50	1.00	1.00	2.50	5.00
ROCK 20 TON/SQ. FT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

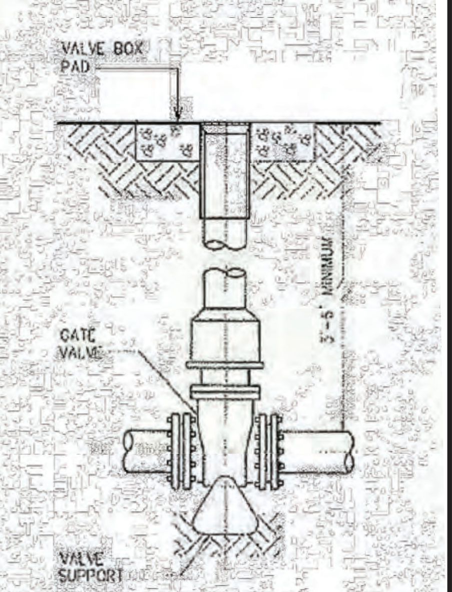
DIMENSIONS OF CONCRETE BLOCKING FOR VERTICAL BENDS WITH AN UPWARD THRUST (150 P.S.I. TEST PRESSURE)

PIPE SIZE	6" AND 8"			10" AND 12"		
DEGREE BEND OR DEFLECTION	11 1/4°	22 1/2°	45°	11 1/4°	22 1/2°	45°
LENGTH	3'	4'	6'	4.5'	6'	8'
WIDTH	3'	3'	3'	3'	3'	4'
DEPTH	2'	3'	4'	3'	4.5'	5'
SQ. IN. REBAR	0.15	0.28	0.57	0.33	0.66	1.30
MASS CONCRETE CU. YD	0.66	1.33	2.66	1.5	3.0	5.9

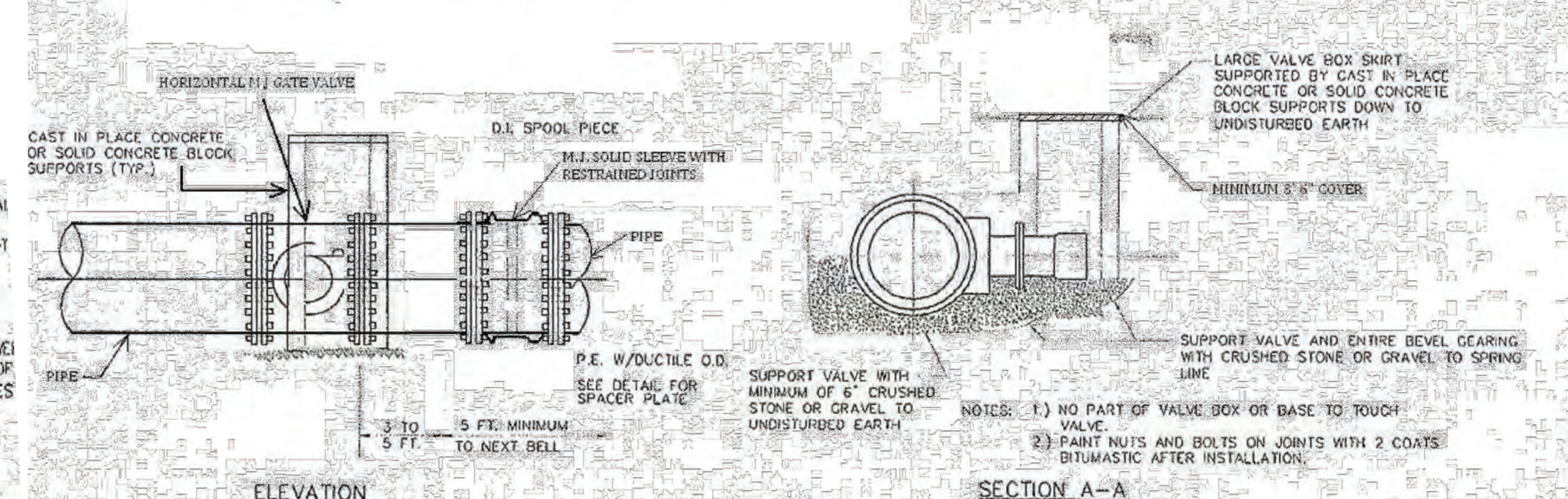
REINFORCING

BAR NO.	CROSS SECTION IN² PER BAR	VERTICAL INBEDMENT
5	0.31	15 IN.
6	0.44	19 IN
7	0.60	25 IN
8	0.79	33 IN.
9	1.00	44 IN.
10	1.27	56 IN
11	1.56	68 IN.

THRUST BLOCKING NOTES:
1) ALL CONCRETE SHALL BE CLASS B
2) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 P.S.I. AT THE END OF 28 DAYS
3) ALL REINFORCING STEEL SHALL BE DEFORMED BARS
4) NO COUPLING OR JOINTS SHALL BE COVERED WITH CONCRETE
5) PAINT ALL EXPOSED STEEL WITH TWO COATS ASPHALT PAINT



VALVE BOX



NOTES: 1.) NO PART OF VALVE BOX OR BASE TO TOUCH VALVE.
2.) PAINT NUTS AND BOLTS ON JOINTS WITH 2 COATS BITUMASTIC AFTER INSTALLATION.

TYPICAL HORIZONTAL MAIN - LINE GATE VALVE INSTALLATION DETAIL

TRENCH NOTES:

1) ALL NEW WATER MAINS, HOUSE SERVICE LINES, AND TEMPORARY WATER MAIN BYPASS LINES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C-651-86 AS AMENDED AND SUPPLEMENTED. MAINS AND SERVICES SHALL NOT BE PLACED INTO SERVICE UNTIL ACCEPTABLE BACTERIOLOGICAL RESULTS ARE OBTAINED AND PERMISSION TO PLACE THE SERVICES IN OPERATION HAS BEEN RECEIVED BY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION.

2) ALL NEW WATER MAINS SHALL HAVE A HORIZONTAL SEPARATION FROM SEWERS AND DRAINS OF 10 FEET AND WHERE MAINS CROSS VERTICALLY, CLEARANCE OF 18-INCHES (OUTSIDE OF PIPE TO OUTSIDE OF PIPE). WHERE THESE CLEARANCES CANNOT BE ACHIEVED THE CONTRACTOR WILL ENCASE THE PIPE IN CLASS B CONCRETE.

3) TRENCHES MUST BE BACKFILLED AT THE END OF EACH DAY, EXCEPT IN EMERGENCY SITUATIONS. STEEL PLATES WILL BE USED. ATLANTIC CITY AND/OR NJDOT PERMIT ENGINEER MUST BE NOTIFIED OF EMERGENCY SITUATIONS WITHIN CITY AND/OR STATE R.O.W.

TYPICAL WATER MAIN VALVE AND FITTING THRUST BLOCK DETAIL

N.T.S.

Know what's **below.** **Call** before you dig.

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2. THESE PLANS ARE NOT FOR CONSTRUCTION UNTIL "ISSUED FOR CONSTRUCTION" APPEARS IN THE TITLEBLOCK.

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SOUTHEAST INLET RESIDENTIAL TOWNHOMES
PRELIMINARY AND FINAL SUBDIVISION & SITE PLANS
BLOCKS 73, 74, 76 & 78, MULTIPLE LOTS
ATALNTIC CITY, ATLANTIC COUNTY, NEW JERSEY

WATER DETAILS

INLET AC PARTNERS LLC
1650 LIMEKILN PIKE, SUITE B19 1043
DRESHER, PENNSYLVANIA 19025

DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
11/24/2025	2	CRDA & NJDEP SUBMISSION	LAT	JTS
10/07/2025	1	INITIAL RELEASE	LAT	JTS

PROJECT NO.		DRAWING NO.
TRA 002.01		C1104
SCALE: AS SHOWN	SHEET: 19 OF 23	