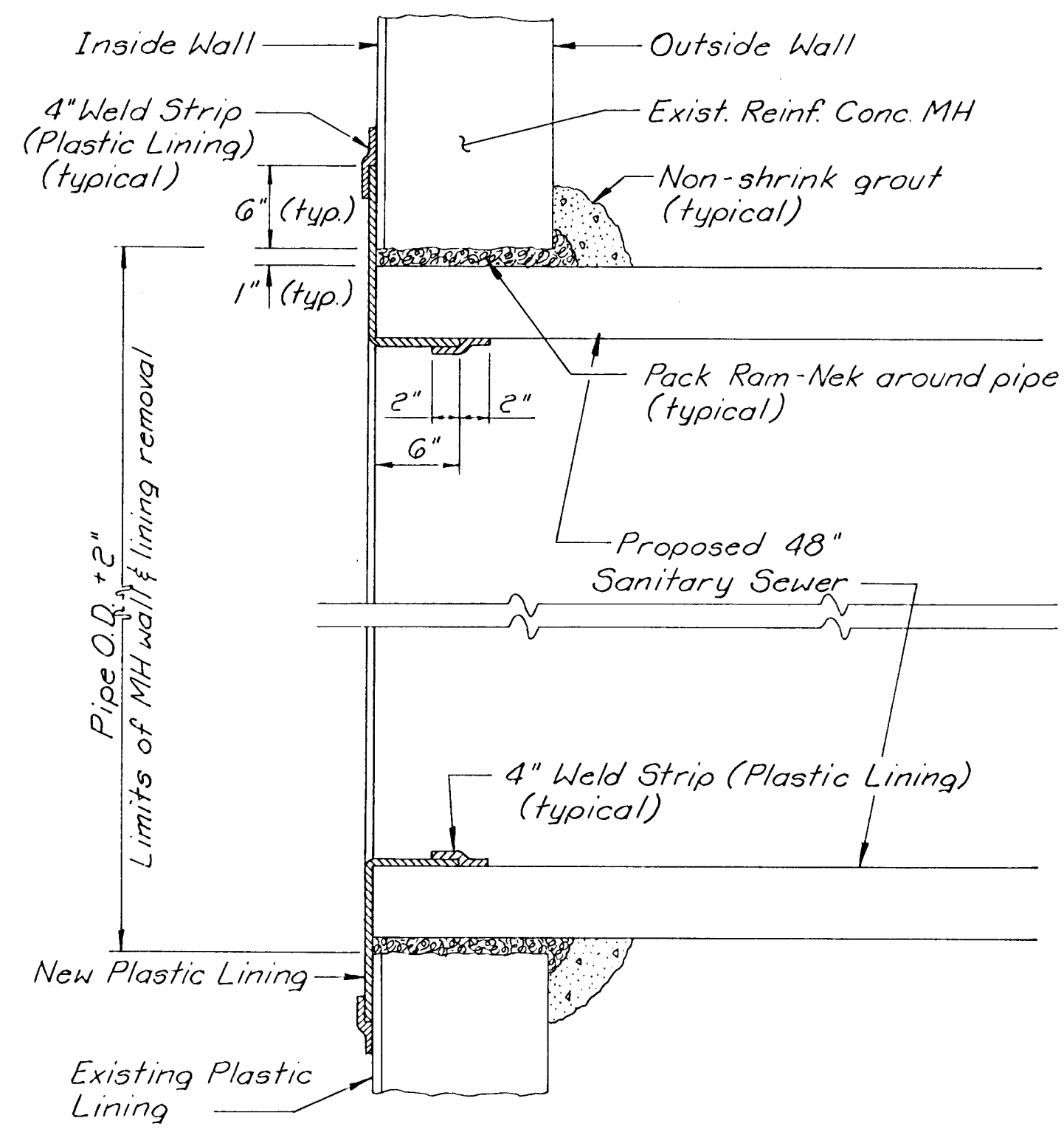
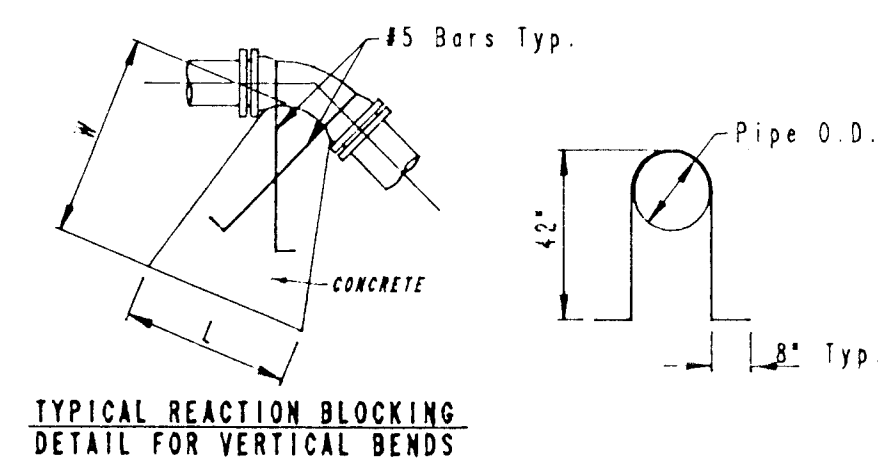
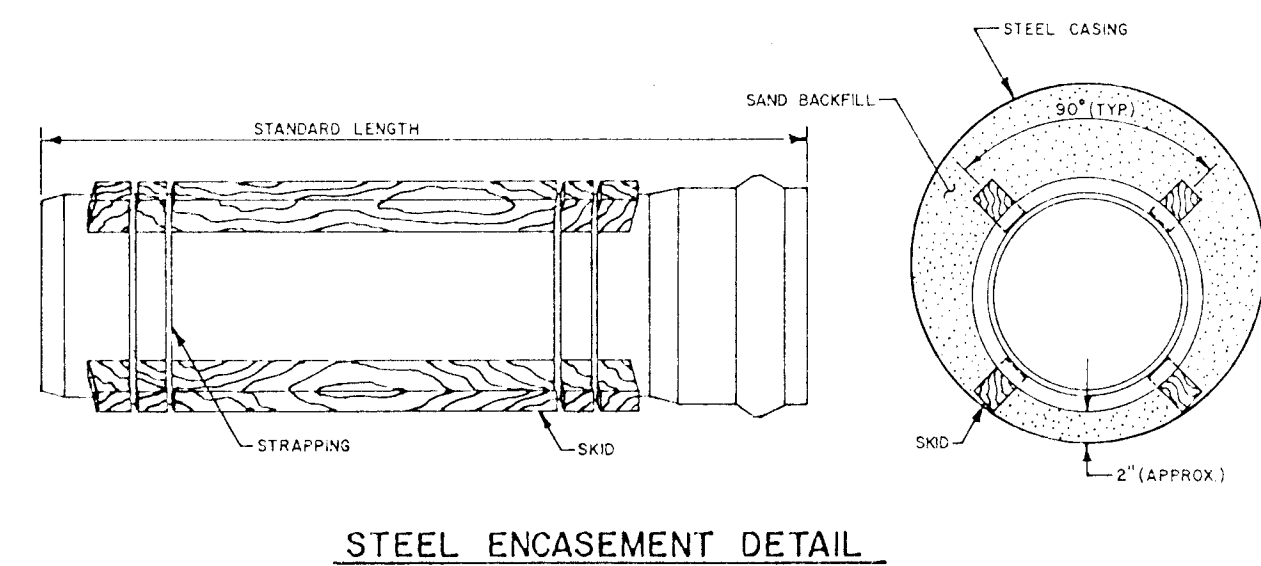
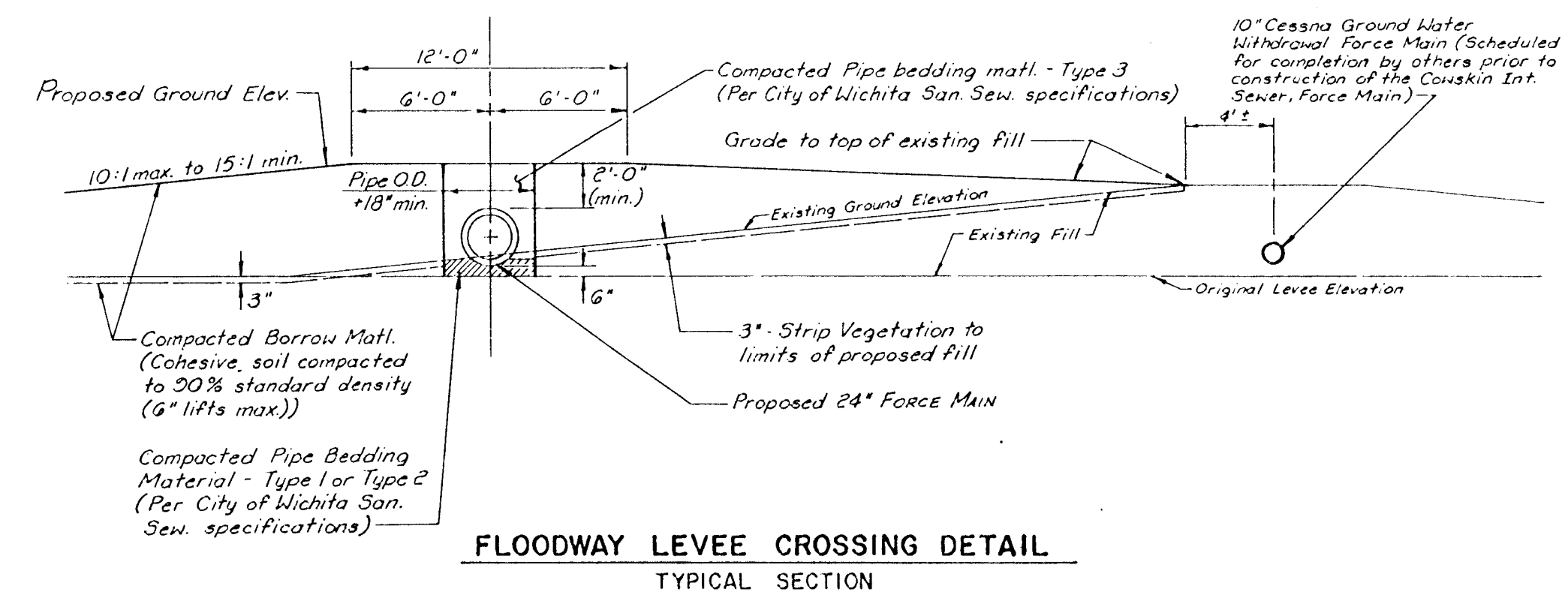
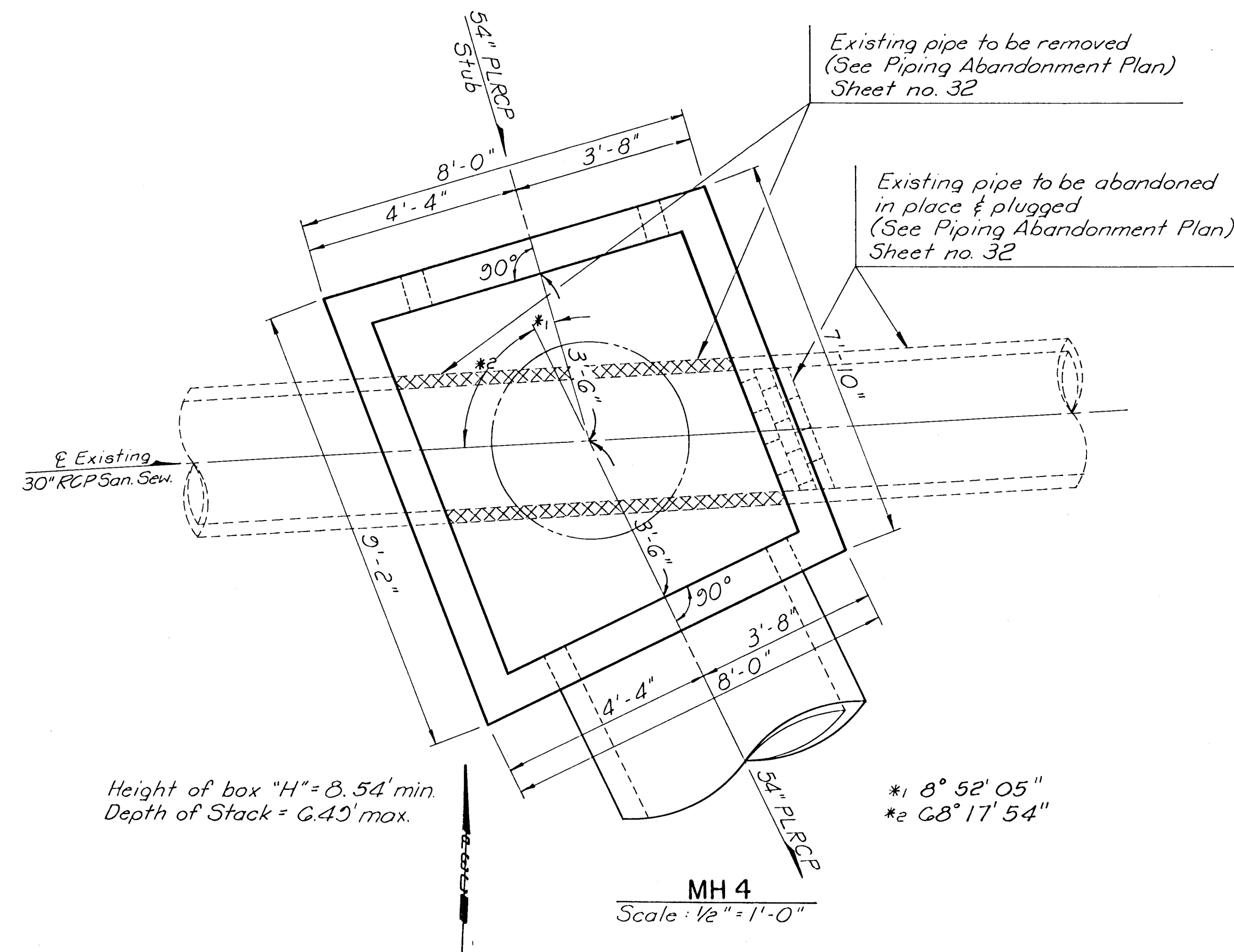




BREAK-IN AT REINFORCED CONCRETE MANHOLE
FORCE MAIN STATION 0+00.00, SHEET NO. 6



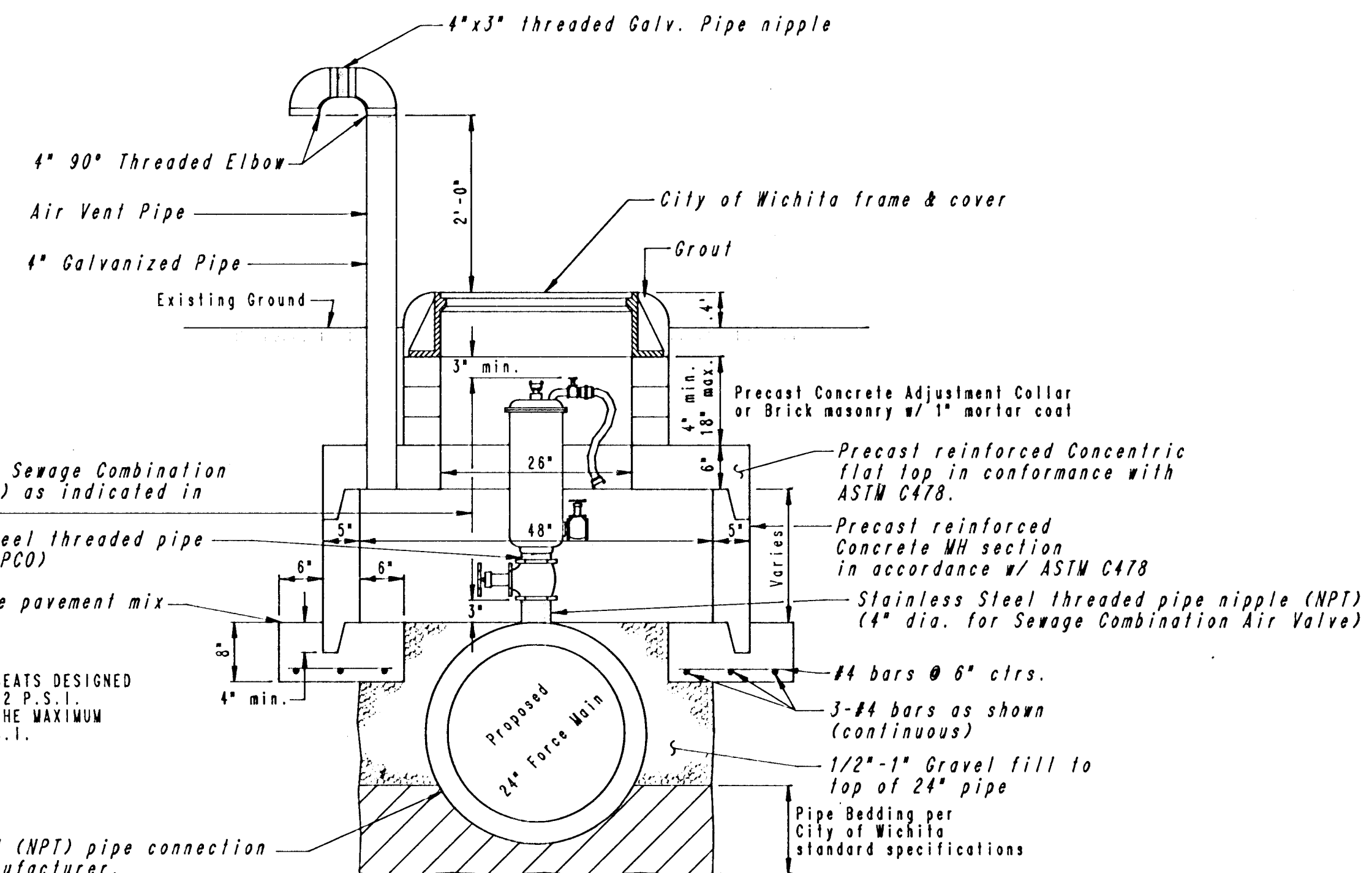
Air Valves shall be APCO Model 449, 4" Sewage Combination Air Valve with attachments (Height=30") as indicated in the AIR VALVE LOCATION TABLE

Stainless Steel threaded pipe nipple (by APCO)

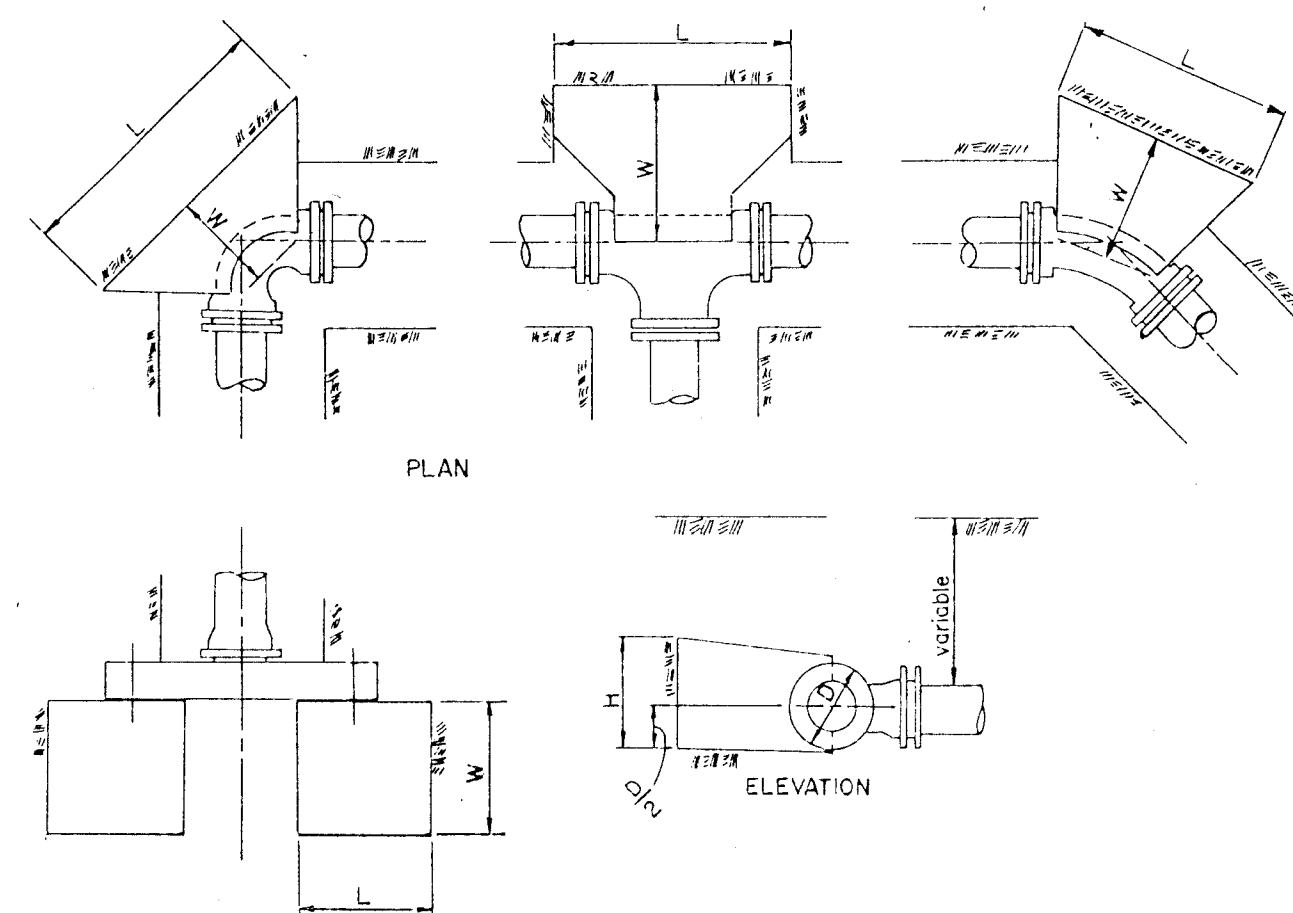
City concrete pavement mix

NOTE: ALL AIR VALVES SHALL HAVE ORIFICE SEATS DESIGNED FOR SHUT-OFF AT AN OPERATING PRESSURE OF 12 P.S.I. WITHOUT LEAKAGE, SPILLING, OR SPURTING. THE MAXIMUM OPERATING PRESSURE IS APPROXIMATELY 20 P.S.I.

24" pipe prepared for threaded (NPT) pipe connection as recommended by 24" pipe manufacturer.



AIR VALVE ASSEMBLY DETAIL



THRUST BLOCK SCHEDULE				
LINE SIZE	FITTINGS (ANGLE)	DIM. L	DIM. W	DIM. H
Horizontal Bends				
24"	30°	5'-0"	3'-0"	5'-0"
24"	45°	5'-0"	3'-0"	4'-0"
24"	22 1/2°	5'-0"	3'-0"	3'-0"
24"	11 1/4°	4'-0"	3'-0"	3'-0"
Vertical Bends				
24"	45°	3'-0"	6'-0"	3'-0"
24"	22 1/2°	3'-0"	6'-0"	3'-0"
24"	11 1/4°	3'-0"	6'-0"	3'-0"

AIR VALVE LOCATION TABLE			
FORCE MAIN STATION	BASELINE STATION/OFFSET	VALVE SIZE/MODEL	PLAN SHEET NO.
23+50	R1 STA. 24+98.06 45.00' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	8 OF 42
52+80	R1 STA. 54+07.96 45.00' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	11 OF 42
55+00	R1 STA. 58+47.91 45.00' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	11 OF 42
174+84	R1 STA. 52+25.73 4.47' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	14 OF 42
183+99	R1 STA. 61+72.03 38.97' LT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	14 OF 42
190+35.5	R1 STA. 72+38.48 0.58' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	15 OF 42
195+00	R1 STA. 72+38.48 49.00' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	16 OF 42
228+00	R1 STA. 105+31.82 18.30' LT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	19 OF 42
233+60	R1 STA. 109+81.03 39.86' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	20 OF 42
248+00	R1 STA. 246+73.88 125.65' LT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	22 OF 42
278+00	R1 STA. 279+68.24 23.41' LT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	25 OF 42
295+00	R1 STA. 295+90.89 7.89' RT.	4" SEWAGE COMBINATION AIR VALVE APCO MODEL 449	28 OF 42

APPROVED
BY *Sandy D. Hogan*
FOR THE DISTRICT ENGINEER
TULSA DISTRICT
CORPS OF ENGINEERS
DATE *Jan 12, 1989*

PRELIMINARY
DEC 14 1988

No.	Revision	By	Date
COWSKIN INTERCEPTOR SEWER FORCE MAIN: PART B			
MISCELLANEOUS DETAILS			
MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-76-245-000-000-001			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by <i>DLM, RFJ</i>	Job No. <i>34-86535-4</i>	Sht. <i>36 of 42</i>	
Drawn by <i>DMM</i>	Date <i>August, 1988</i>		