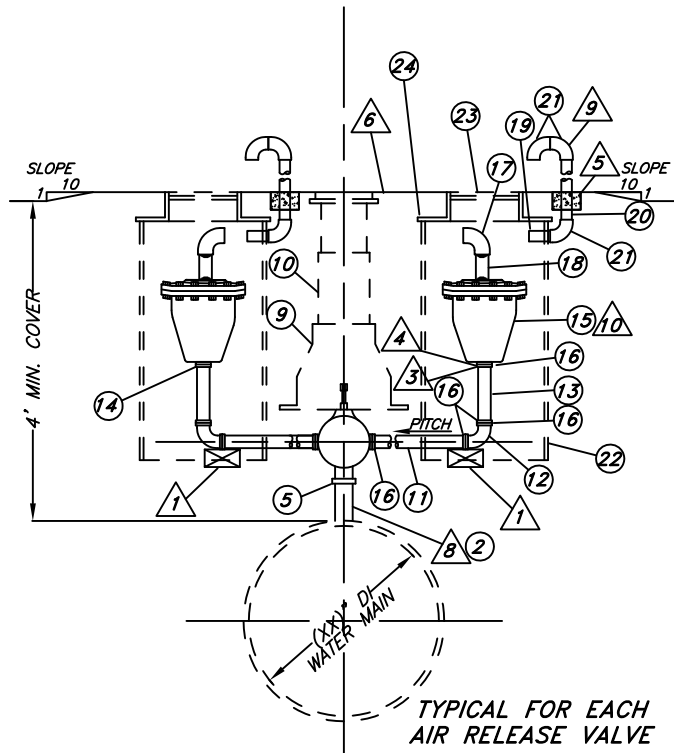


PLAN VIEW



ELEVATION VIEW

MATERIAL LIST

QTY	DESCRIPTION	STOCK NO.	QTY	DESCRIPTION	STOCK NO.		
1	2	6" BLIND FLANGE	204212	16	4	GASKET - 4" FLANGE WITH BOLT HOLES	312263
2	1	SADDLE, TAPPING MAIN SIZE X 6" FLANGE		17	1	4" GALV. ELBOW (THREADED)	
3	2	6" PIPE-FLANGE X FLANGE X 30"	301310	18	1	4" GALV. PIPE X 6" (THREADED)	
4	1	6" PIPE-FLANGE X FLANGE X 36"	301320	19	1	4" BLACK STEEL PIPE X 6" (WELDED)	201020
5	11	6" GASKET FLANGE WITH BOLT HOLES	312264	20	1	4" BLACK STEEL PIPE X 3" - 6" (WELDED)	201020
6	1	6" FLANGE TEE	303519	21	3	4" BLACK STEEL ELL (WELDED)	205060
7	3	6" FLG X 4" FLG TEE	303517	22	1	METER BOX 30" ID X 3'-0"	310056
8	2	6" FLG X 4" FLG GATE VALVE (NUT OPERATED)	302170	23	1	MONITOR COVER W/LID	310135
9	2	VALVE BOX BASE	310010	24	1	FLANGE EXTENSION RING	310128
10	2	VALVE BOX & COVER	310070				
	88	3/4" STAINLESS STEEL BOLTS X 3-1/2"	310072				
		QUANTITIES SHOWN ABOVE ARE FOR 3 AIR RELEASE VALVES INSTALLATION SHOWN ON PLAN. FOR EACH AIR RELEASE VALVE USE THE FOLLOWING ITEMS.	312114				
11	1	4" DI PIPE (FLG X FLG) X 30"	301250				
12	1	4" FLANGED 90° BEND	303049				
13	1	4" FLANGED DI PIPE X 36"	301260				
14	1	4" SURGE CHECK VALVE (WHEN REQUIRED)	302110				
15	1	4" COMBINATION AIR RELEASE VALVE (DUCTILE IRON BODY-FLANGE INLET)	302100				

GENERAL NOTES

- 1 CONCRETE BLOCK UNDER TEES OR 90° BENDS.
- 2 MAY BE ON EITHER SIDE OF 6" HEADER.
- 3 MUST BE FLANGED CONNECTION.
- 4 INSTALL SURGE CHECK VALVE WHERE REQUIRED TO PREVENT DAMAGE TO AIR RELIEF VALVE.
- 5 CONCRETE SLAB 2' X 2' X 6" THICK AROUND VENT PIPE.
- 6 FILL AROUND VALVE PIT.
- 7 MODIFY QUANTITIES FOR 6" HEADER TO SUIT THE NUMBER OF AIR RELEASE VALVES UP TO FOUR.
- 8 INSTALLATION AS SHOWN WITH DRY TAP.
- 9 PRIME AND PAINT VENT PIPE WHITE.
- 10 DO NOT INSTALL AIR RELIEF VALVE UNTIL AFTER DISINFECTION AND ACCEPTANCE OF WATER MAIN.

CONSTRUCTION STANDARD
CITY UTILITIES
OF SPRINGFIELD, MISSOURI

4" AIR RELEASE VALVE
(MULTIPLE INSTALLATION)

LATEST REV. DATE 03-26-98 STANDARD NO. WS-112 PAGE: