


NOTE: PROVIDE ADEQUATE DRAINAGE FOR AIR VAC. IF ADEQUATE SURFACE DRAINAGE IS NOT PRACTICAL, USE A 2 CUBIC FOOT GRAVEL FILLED SEEPAGE PIT TO AVOID POSSIBLE DAMAGE CAUSED BY SURFACE WATER RUN OFF.

ITEM	QTY	DESCRIPTION
①	1 EA.	" AIR VACUUM VALVE [COMBINATION HIGH PRESSURE AIR RELEASE AND VACUUM VALVE] DIRECT BLOW OFF TOWARD THE CURB USING GALVANIZED PIPING [CRISPIN, APCO, OR APPROVED EQUAL]
②	1 EA	" FLANGED BREAKAWAY EXTENSION SPOOL. MORTAR LINED AND PAINTED TO MATCH AIR-VAC (INCLUDE HOLLOW BREAKAWAY BOLTS). FOR 3" AIR-VAC USE A 3" x 4" ADAPTOR SPOOL
③	_ LF	" SCH. 40 STEEL PIPE RISER. FOR 3" AIR VAC USE 4" PIPE
④	_ LF	" 90° DUCTILE IRON BEND (MJxFLG)
⑤	1 EA	" 90° DUCTILE IRON BEND (FLG)
⑥	_ LF	" PRESSURE CLASS 350 DUCTILE IRON PIPE WITH FIELD LOCK GASKETS
⑦	1 EA	" GATE VALVE (FLG x MJ) PER SBMWD STD. DWG. W3.1 WITH MEGALUG RETAINER RING
⑧	NOT USED	
⑨	1 EA	WHEN INSTALLING AIR VAC ON EXISTING MAIN, TAP TOP OF PIPE USING WELD NOZZLE OR TAPPING SLEEVE. INSTALL FLANGED GATE VALVE AS SHOWN (ABANDON VALVE IN PLACE)
⑩	1 EA	VALVE ASSEMBLY COVER PER SBMWD STD. DWG. W7.6.
⑪		2,000 PSI CONCRETE: 2'-6" SQ. X 10" DEEP CONC. PAD (FORMED)
⑫		3/4" POORLY GRADED GRAVEL

J.C.	12/7/16	SAN BERNARDINO MUNICIPAL WATER DEPARTMENT	DRAWING NUMBER
D.D.M.	MAR. 16		3" AND LARGER COMBINATION AIR VACUUM AND RELEASE VALVE AND AIR VACUUM VALVE
D.D.M.	JAN. 11	W7.2	
M.N.	AUG. 08		
REVISION	DATE	APPROVED 	DATE 07/04/2019
SCALE:	NONE	WARREN HUANG, P.E. RCE 49208	