


ITEM	QTY	DESCRIPTION
①	___ LF	___" CML&C STEEL PIPE
②	4 EA	___" 45° STEEL BEND
③	2 EA	CONNECTION TO EXISTING PIPE, AND RESTRAINT, SHALL BE DETERMINED BY THE DESIGN ENGINEER AND APPROVED BY SBMWD. POSSIBLE CONNECTION METHODS INCLUDE BUTTSTRAPS, RESTRAINED MECHANICAL COUPLINGS, OR OTHER APPROVED METHODS.
④	1 EA	___" COMBINATION AIR/VACUUM VALVE PER SBMWD STD. DWG. W7.1 OR W7.2. SBMWD SHALL DETERMINE NECESSITY OF VALVE ON A CASE BY CASE BASIS.
⑤	1 EA	6" FIRE HYDRANT BLOWOFF PER SBMWD STD. DWG. W2.2 (4" DIA. PIPE AND LESS) OR 8" BLOWOFF PER SBMWD STD. DWG. W6.18 (PIPE SIZE 16"). SBMWD SHALL DETERMINE NECESSITY ON A CASE BY CASE BASIS.

NOTES:

- CONTRACTOR TO FIELD VERIFY EXISTING STEEL PIPE THICKNESS, COATING AND LINING AND MATCH EXISTING.
- ALL JOINTS TO BE WELDED PER SBMWD STD. DWG. W6.10A

REVISION DATE: 3/15/2011

		SAN BERNARDINO MUNICIPAL WATER DEPARTMENT		DRAWING NUMBER
		4" THROUGH 16" VERTICAL OFFSET OF EXISTING STEEL PIPE		
D.D.M.	MAR. 11	APPROVED 		
M.H.L.	FEB. 04	DATE 07/04/2019		
REVISION	DATE			
SCALE:	NONE	WARREN HUANG, P.E. RCE 49208		