



ITEM	ITEM DESCRIPTION
1	WATERMAIN (SEE TABLE)
2	REDUCING TEE c/w 150Ø FLANGED BRANCH OUTLET
3	BLIND FLANGE TAPPED TO SUIT AIR VALVE SIZE (SEE TABLE)
4	AIR RELEASE VALVE, VACUUM AND/OR COMBINATION VALVE AS PER DESIGN. INTERIOR AND EXTERIOR OF VALVE SHALL BE FUSION BONDED EPOXY COATED ANS/NSF 61 APPROVED. (STD. DWG. 1-3-14)
5	CIRCULAR PRECAST CHAMBER (STD. DWG. 1-1-5) (SEE TABLE)
6	CHAMBER STEPS
7	APPROVED ADJUSTMENT UNITS (STD. DWG. 1-1-5)
8	FRAME AND COVER
9	SUMP c/w FRAME AND GRATE (STD. DWG. 1-1-8)
10	150Ø 304 SS VENTILATION HOOK-UP WITH WELDED JOINTS AND FLANGE AND 304 SS INSECT SCREEN
11	CONCRETE SUPPORT PIER 25MPa CONCRETE
12	BREAK AWAY CONNECTION WITH WELDED FLANGE OR PLATE WITH 4-LIGHT DUTY CONCRETE ANCHORS WHICH WILL ENSURE THAT THE PIPE WILL SHEAR AT THE CONCRETE INTERFACE
13	UNDISTURBED GROUND
14	INTERIOR CHAMBER INSULATION (STD. DWG. 1-1-5)
15	ACCESS RISER RIGID INSULATION (STD. DWG. 1-1-5)

WM. SIZE	GATE VAL.	AIR VAL.	CHAMBER SIZE
400	50 I.P.T.	50 THREADED	1800Ø
600	50 I.P.T.	50 THREADED	1800Ø

* ACCEPTABLE CPP COUPLINGS FOR THIS APPLICATION:

1. VICTAULIC W77
2. TANDEM RESTRAINED M11 STYLE COUPLING INSTALLATION (ENGINEERED DRAWINGS TO BE SUPPLIED)
3. LOKFAST (HANSON/MUNRO)
4. HOLDFAST (HANSON/MUNRO)
5. HARNESS CLAMP (HANSON/MUNRO)

AIR RELEASE CHAMBER

NOTE

1. ALL VALVES TO BE RESILIENT SEAT TO AWWA C509. FUSION BONDED EPOXY (FBE) SHOP COAT FINISH ON INTERIOR AND EXTERIOR OF VALVE TO AWWA C550. INTERIOR COATING TO BE FBE ANS/NSF 61 APPROVED.
2. INTERIOR OF ALL STEEL (NOT STAINLESS STEEL) PIPE SHALL BE LIQUID EPOXY COATED TO AWWA C210 AND BE ANS/NSF 61 APPROVED. ALL EXTERIOR SURFACES SHALL BE LIQUID EPOXY COATED TO AWWA C210.
3. INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS IN CONTACT WITH POTABLE WATER SHALL BE CEMENT MORTAR LINED TO AWWA C104.
4. FOR 25mm AND 50mm AIR VALVES MUST USE I.P.T. THREADED OUTLET WITH STAINLESS STEEL NIPPLES AS REQUIRED.
5. AIR RELEASE VALVE TO AWWA C512. FUSION BONDED EPOXY (FBE) SHOP COAT FINISH ON INTERIOR AND EXTERIOR OF VALVE TO AWWA C550. INTERIOR COATING TO BE FBE ANS/NSF 61 APPROVED.
6. ALL NUTS, BOLTS AND WASHERS TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
7. ALL PIPING, FITTINGS, VALVES, APPURTENANCES AND MECHANICAL RESTRAINTS TO BE c/w DENSO PASTE, DENSO MASTIC AND DENSO TAPE OR APPROVED EQUAL, APPLIED TO MANUFACTURER'S RECOMMENDATIONS.

	PUBLIC WORKS STANDARD DRAWING		REV. DATE: APRIL 2014	
			APPROVED BY A.P.	DRAWN BY AINLEY GROUP
AIR RELEASE VALVE AND CHAMBER FOR WATERMAIN SIZE LESS THAN 750 DIAMETER			STD. DWG. NUMBER 1-3-12	SCALE N.T.S.