

PIPE SIZE	MANHOLE SIZE		
	BASE #	TOP SLAB #	FRAME AND COVER #
8"	382SMH6DIA	382SMH6DIA	OLYMPIC FOUNDRY MH30A D/T

**GENERAL NOTES:**

1. THE ABOVE MANHOLE SIZE WAS SUPPLIED BY OLD CASTLE PRECAST AS A REFERENCE FOR REQUIRED MANHOLE DIMENSIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
2. THE MANHOLE COVER SHALL HAVE "WATER" CAST ON TOP AND BE TRAFFIC BEARING.
3. CLASS 52 D.I. PIPE IS REQUIRED.
4. ALTERNATE METHODS OF RESTRAINT SHALL BE APPROVED BY THE DISTRICT.
5. ALL SEAMS IN MANHOLE MUST BE GROUTED INSIDE AND OUT. GROUT SHALL BE SAND AND PORTLAND CEMENT ONLY.
6. MANHOLE SHALL HAVE INTERLOCKING SECTIONS, BE RATED H20 OR GREATER, AND HAVE FLAT TOP LID WITH ECCENTRIC OPENING.

**MATERIAL LIST**

- ① PIPE ————— 8" CLASS 52 DUCTILE IRON PIPE WITH MECHANICAL JOINTS. MECHANICAL JOINTS SHALL BE RESTRAINED BY MEGALUG OR APPROVED EQUAL.
- ② COUPLING ADAPTOR— FOUR EACH, CAST IRON, (FLG. x MECH. JOINT). MECHANICAL JOINTS SHALL BE RESTRAINED BY MEGALUG OR APPROVED EQUAL.
- ③ TEE ————— TWO EACH, 8" TEE (FLG X MECH. JOINT) WITH MEGALUGS AND THRUST BLOCKS
- ④ GATE VALVE ——— TWO EACH, AWWWA, FLG X MECH JOINT 8" GATE VALVES LOCATED OUTSIDE THE VAULT
- ⑤ FLEX COUPLING ——— ONE EACH, W/ RESTRAINED JOINTS
- ⑥ CHECK VALVE ——— ONE EACH, (FLG. x FLG). 8" VALMATIC WAFER CHECK VALVE. NO SUBSTITUTIONS ALLOWED.
- ⑦ PIPE ————— 4" CLASS 52 DUCTILE IRON PIPE WITH MECHANICAL JOINTS. MECHANICAL JOINTS SHALL BE RESTRAINED BY MEGALUG OR APPROVED EQUAL.
- ⑧ BEND ————— 4" 90-DEGREE BEND (MECH JOINT X MECH JOINT) W/ MEGALUGS.
- ⑨ GATE VALVE ——— TWO EACH, (FLG X MECHANICAL JOINT). MECHANICAL JOINTS SHALL BE RESTRAINED BY MEGALUG OR APPROVED EQUAL.
- ⑩ TEE ————— ONE EACH, (FLG X MECHANICAL JOINT) WITH THRUST BLOCK. MECHANICAL JOINTS SHALL BE RESTRAINED BY MEGALUG OR APPROVED EQUAL.
- ⑪ BLOW OFF ——— 4" BLOW OFF ASSEMBLY PER STANDARD DETAIL W10A AND W11A
- ⑫ CORP STOP ——— FB500-4-NL 1" MIP X MIP BALLCORP CORP STOP. NO-LEAD FORD
- ⑬ NIPPLE ————— 3/4" BRASS NIPPLE
- ⑭ TEE ————— 3/4" THREADED BRASS TEE WITH PLUG
- ⑮ UNION ————— 3/4" THREADED UNION
- ⑯ FLOW CONTROL VALVE- 3/4" DELTROL EF35B FLOW CONTROL VALVE. NO SUBSTITUTIONS ALLOWED.
- ⑰ STRUCTURE ——— PRECAST 72-INCH FLAT TOP MANHOLE PER GENERAL NOTES ABOVE.
- ⑱ PIPE SUPPORT ——— ADJUSTABLE PIPE SADDLE SUPPORT (GRINNELL #264 OR EQUIV)
- ⑲ FLOOR DRAIN ——— 4" PVC, SLOPED TO STORM SEWER OR DAYLIGHT TO DRAINAGE DITCH.  
ALTERNATE: WATERPROOF VAULT W/ XYPEX. ALTERNATE MUST BE APPROVED BY THE DISTRICT AND WILL BE ALLOWED ONLY IF DAYLIGHT DRAIN IS EXTENDED OVER 300 FEET.  
ALTERNATE: SUMP PUMP. ALTERNATE MUST BE APPROVED BY THE DISTRICT.
- ⑳ LADDER ——— FABRICATED ALUMINUM LADDER SECURED AT TOP AND BOTTOM.
- ㉑ SERVICE SADDLE ——— ROMAC 101-S STAINLESS STEEL STRAP SADDLE (IPT)

\* SEE SHEET 3 FOR ADDITIONAL DETAILS

SHEET 4 OF 4



## PRESSURE ZONE CHECK VALVE MAT'L LIST AND GENERAL NOTES

REVISION DATE APRIL 6, 2023	SCALE NTS	DISTRICT APPROVAL <i>Gregory G. Hill, P.E.</i>	DATE APPROVED APRIL 27, 2023
FILE NAME W-36D.DWG			DWG. NO.   W-36D