

4 MESH 0.05" SST WIRE SCREEN INSTALLED BETWEEN 90° BEND AND FLANGED SPECIAL. ALL FLANGED FITTINGS TO BE 125-LB.

FLANGED SCH 40 STEEL PIPE. ALL FLANGED FITTINGS TO BE 125-LB.

TRAFFIC RATED PRECAST REMOVABLE TOP SLAB REINFORCED AS PER ASTM C478. PROVIDE WITH THREE LIFTING EYE HOOKS EMBEDDED WITHIN.

MH FRAME & SOLID COVER (SEE NOTE 4), OFFSET MH FRAME IN TOP SLAB TO PROVIDE ACCESS TO STEPS. CENTER FRAME OVER STEPS 1'-0" FROM EDGE OF SLAB

GROUND LINE ELEV. VARIES

BOLLARD

GALV. PIPE STRAP. MIN. TWO REQD.

2" MIN, 6" MAX SLAB ELEV. VARIES (SEE NOTE 6)

INSTALL FLANGE COUPLING ADAPTER, SEE SECTION 15060

PROVIDE & INSTALL ALUM. OR FIBERGLASS MANHOLE LADDER PER CITY OF ROUND ROCK (WT-XX)

WALL PENETRATION AND SEAL, ALLOW SUFFICIENT CLEARANCE BEHIND FLANGES TO INSTALL AND MAINTAIN FLANGE BOLTS, SEE SECTION 01900

60" ID PRECAST CONCRETE PIPE SECTION, BASE SECTION SHALL BE DOG HOUSE TO ACCOMMODATE PIPE (5" THICK WALL MINIMUM.) (SEE SECTION 02515)

1" THRD. NIPPLE (LOCATED BELOW CAV VENT PIPING) WITH 1" SST BALL VALVE AND 1" GALV. ELBOW

FLANGED WHEEL OPERATE BUTTERFLY VALVE, PROVIDE LENGTH OF SPOOL PIPE ADEQUATE FOR FULL OPERATION OF VALVE (SEE NOTE 2)

CUT OR CAP PIPE FLUSH, DEPTH AS REQD. FOR COVER OR PROVIDE FOOTING PER ENGINEERS DESIGN

SUBGRADE STABILIZATION MATERIAL (EMBEDMENT MATERIAL) PER SECTION 02221

ENGINEER SHALL SPECIFY OUTLET TYPE (WELDED OR TREADED) BASED ON PIPE MATERIAL  
PIPE LINE

TRENCH WIDTH  
PIPE O.D. + 24"

**NOTES:**

1. COAT VENT PIPE PER SECTION 09905
2. PIPING AND APPURTENANCES SHALL MATCH THE DIAMETER OF THE AIR VALVE.
3. FILL MANHOLE WITH CRUSHED LIMESTONE SO THAT CENTERLINE OF VALVE IS 2'-0" ABOVE TOP OF PIPE (INSIDE MANHOLE).
4. MANHOLE FRAME AND COVER PER CORR STD. COVER DETAIL WW-07. CAST WITH THE WORDS "POTABLE WATER" IN LIEU OF "SANITARY SEWER".
5. FOR AIR AND VACUUM VALVE (CAV) LARGER THAN 4" ENGINEER SHALL MODIFY DETAIL AND DIMENSIONS TO ACCOMMODATE PROPOSED CAV & VAULT WITHIN CLEARANCES SHOWN HEREIN.
6. ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN PROFILE OF THE PIPE LINE SUCH THAT THE CONTRACTOR CAN INSTALL "CAV" AND VAULT ON THE PIPE LINE, AS SHOWN HEREIN AND NOT EXCEED THE 6" ABOVE FINISH GRADE MAXIMUM FOR THE TOP OF THE VAULT.

RECORD SIGNED COPY  
ON FILE AT PUBLIC WORKS  
APPROVED

04-01-10  
DATE

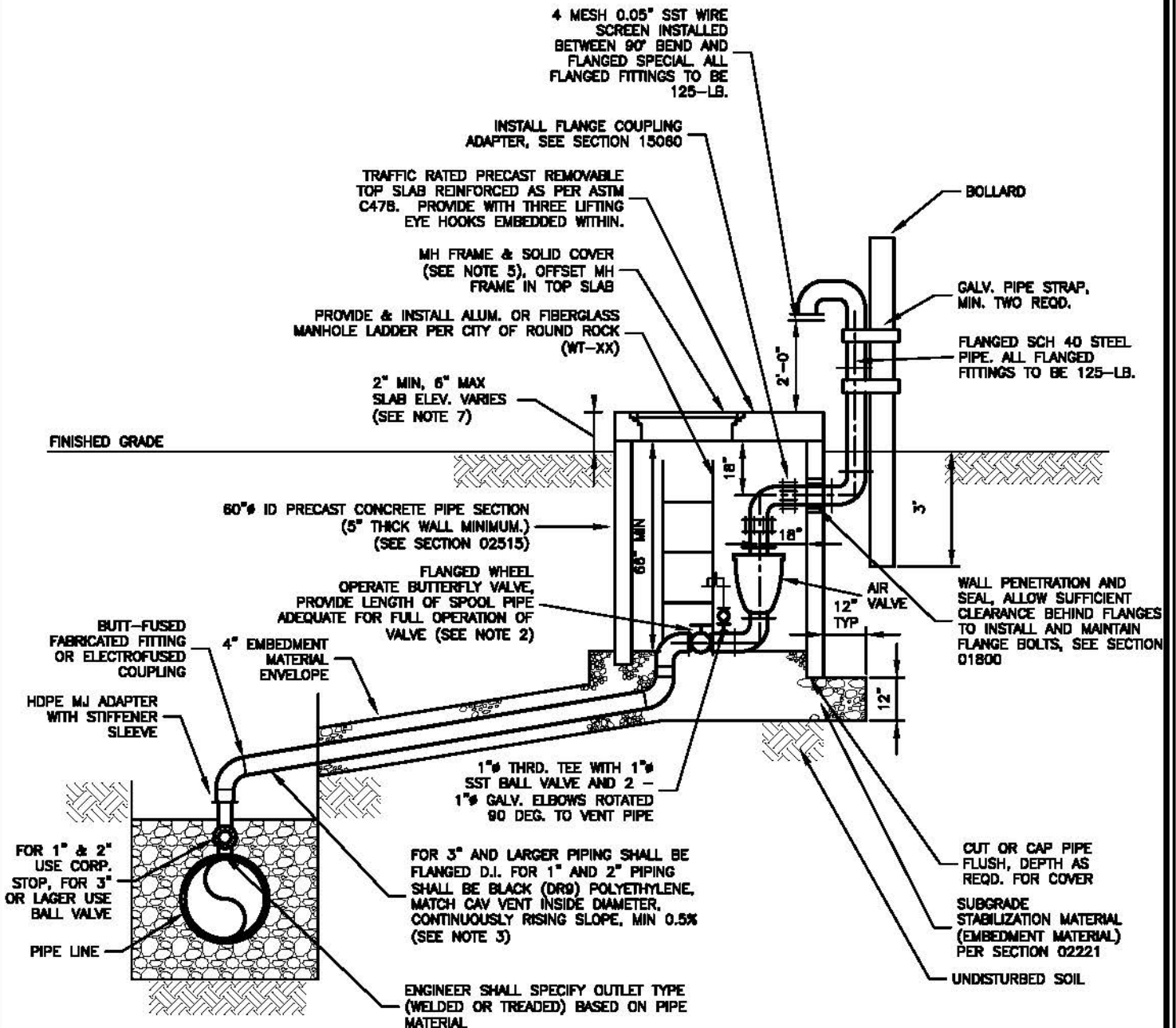
THE ARCHITECT/ENGINEER ASSUMES  
RESPONSIBILITY FOR THE APPROPRIATE  
USE OF THIS DETAIL. (NOT TO SCALE)

**CITY OF ROUND ROCK**

**2" TO 4" COMBINATION AIR AND  
VACUUM RELEASE VALVE (CAV)  
VAULT AND PIPING DETAIL**

DRAWING NO:  
WT-21 (1 of 2)





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**CITY OF ROUND ROCK**

**2" TO 4" COMBINATION AIR AND  
VACUUM RELEASE VALVE (CAV)  
VAULT AND PIPING DETAIL**

DRAWING NO:  
WT-21 (2 of 2)

