NOTES:
A. VAULT SHALL NOT BE LOCATED IN PAVEMENT, SIDEWALKS OR DRIVEWAYS.
B. VAULT SHALL BE 7' LONG, 4' WIDE, 5' DEEP MINIMUM.
C. ALL FLANGE HARDWARE SHALL BE 316 OR 304 STAINLESS STEEL WITH ANTI-SEIZE COMPOUND. FLAT WASHER REQUIRED BETWEEN BOLD HEAD AND FLANGE. FLAT WASHER AND LOCK WASHER REQUIRED BETWEEN NUT AND FLANGE. TORQUE TO 25-25 FT. LBS.
D. ALL PIPE AND FITTINGS SHALL BE SCHEDULE 80 PVC WITH SOLVENT WELD JOINTS, EXCEPT AS INDICATED INSIDE THE VAULT.
E. ASSEMBLY CONFIGURATION AND LENGTH MAY VARY DUE TO BRAND - VERIFY LENGTH TO DETERMINE MINIMUM VAULT LENGTH.
F. ALL CONCRETE SHALL BE MINIMUM 4000 PSI COMpressive STRength.
G. DESIGN SHALL CONFORM TO ASTM C858 - SPECIFICATIONS FOR "UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURE".
H. STEEL REINFORCING DESIGN SHALL CONFORM TO ASTM C857.
I. REBARS SHALL BE GRADE 60 PER ASTM A615.
J. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
K. DIAGONAL REINFORCING SHALL BE ADDED AT ALL OPENINGS.
L. PIPE PENETRATION SHALL BE SEALED WITH FLEXIBLE CONNECTORS (MANHOLE BOOTS).
M. FRAME TO BE FLUSH WITH GROUND OR CONCRETE SIDEWALK, GROUND SHALL SLOPE AWAY FROM VAULT.
N. ALL JOINTS SHALL BE MADE WATERTIGHT USING 2 RINGS OF BUTYL RUBBER JOINT MASTIC.

NO. DESCRIPTION
1. 4" OUTLET SCH 80 PVC WYE, W/CONC THRUST BLOCKING
2. 4" SCH 80 PVC 45 DEGREE BEND, W/CONC THRUST BLOCKING
3. 4" MJ Di PLUG VALVE, W/TRANSITION GASKETS, EXTENSION STEAM, 2" OPERATING NUT, AND CONCRETE THRUST BLOCKING/ SUPPORT
4. 4" SCH 80 PVC PIPE - SOLVENT WELD
5. 4" PVC HAYWARD TRUE UNION BALL VALVE W/ FLANGE ENDS, LOCKOUT HANDLE
6. 4"X4"X2" SCH 80 PVC FLANGE TEE W/2" SOLVENT WELD OUTLET, 2"X3/4" PVC REDUCING BUSHING, W/FNPT OUTLET
7. 3/4" BRASS HOSE BIB, MINPT
8. 4" PVC HAYWARD TRUE UNION BALL CHECK VALVE W/FLANGE ENDS
9. 4" SCH 80 PVC FLANGE SOLVENT WELD ADAPTORS, IF FLANGED MAJOR COMPONENTS ARE NOT AVAILABLE
10. RUBBER PIPE CONNECTOR BOOT
11. S.S. ADJUSTABLE FLANGE PIPE SUPPORTS W/ S.S EPOXY ADHESIVE ANCHORS (REO - 2 EACH)
12. PRECAST CONCRETE VAULT - MIN L,W,D= 7'X4'X5'
13. PLASTIC STEP - 12" O.C. VERTICAL SPACING
14. 6" WIDE 'PRESSURE SEWER' WARNING TAPE
15. 3/8" S.S. EYE BOLT (TYP)
16. MIN 3 COURSES CAP BLOCK W/1/2" MORTAR JOINTS, OR PRECAST RISER SECTION, MAX 2.5'
17. PHOENIX STEEL VAULT FRAME AND COVER, 500 PSF MIN LOAD RATING, COVER SHALL BE "CLT WATER - L.P. SEWER", ERT HANDERS AND SLOTS NOT REQUIRED
18. SOLID COPPER AWG"12 GAUGE TRACER WIRE WITH 30 MILS GREEN HOPE INSULATION, TERMINATE WITH 24" AT EYE BOLT
19. 12" DIA SUMP HOLE
20. 12" COMPACTED #57 OR #67 WASHED STONE
21. BARREL LOCK - FURNISHED BY CLT WATER
22. PUMP STATION INSPECTION LOCKOUT WARNING TAG - FURNISHED BY CLT WATER

SECTION VIEW

SIDE VIEW

PLAN VIEW