NOTES:

A. VAULT SHALL NOT BE LOCATED IN PAVEMENT, SIDEWALKS OR DRIVEWAYS.
B. VAULT SHALL BE 5’ 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 BOLT HEAD AND FLANGE. FLAT WASHER AND LOCK WASHER REQUIRED BETWEEN NUT AND FLANGE. TORQUE TO 20-25 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 C657.
I. REBARS SHALL BE GRADE 60 PER ASTM A616.
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 WATER TIGHT USING 2 RINGS OF BUTYL RUBBER JOINT MASTIC.

NO. DESCRIPTION
1. 2" OUTLET SCH 80 PVC WYE, W/CONC THRUST BLOCKING
2. 2" SCH 80 PVC 45 DEGREE BEND, W/CONC THRUST BLOCKING
3. 2" DI PLUG VALVE, FNPT, EXTENSION STEM, 2" OPERATING NUT, AND CONCRETE THRUST BLOCKING/ SUPPORT.
4. 2" SCH 80 PVC PIPE - SOLVENT WELD
5. 2" PVC HAYWARD TRUE UNION BALL VALVE W/ FLANGE ENDS, LOCKOUT HANDLE
6. 2"X2"X2" SCH 80 PVC FLANGE TEE W2" SOLVENT WELD OUTLET, 2"X3/4" PVC REDUCING BUSHING, FNPT OUTLET
7. 3/4" BRASS HOSE BIB, MNPT
8. 2" PVC HAYWARD TRUE UNION BALL CHECK VALVE W/FLANGE ENDS
9. 2" 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 (REQU - 2 EACH)
12. PRECAST CONCRETE VAULT - MIN L,W,D= 5'X4'X5'
13. PLASTIC STEP - 12" O.C. VERTICAL SPACING
14. 6" WIDE "PRESSURE SEWER" WARNING TAPE
15. STD SEWER VALVE BOX ASSEMBLY W/CONC PAD
16. 3/8" S.S. EYE BOLT (TYP)
17. MIN 3 COURSES CAP BLOCK W/3/8" MORTAR JOINTS, OR PRECAST RISER SECTION, MAX 2.5'
18. 1"X1" STEEL METER VAULT FRAME AND COVER, 900 PSI MIN LOAD RATING, COVER SHALL BE "CLT WATER - L. P. SEWER", ERT HANGERS AND SLOTS NOT REQUIRED
19. SOLID COPPER AWG"12 GAUGE TRACER WIRE WITH 30 MILS GREEN HOPE INSULATION, TERMINATE WITH 24" AT EYE BOLT
20. 12" DIA SUMP HOLE
21. 12" COMPACTED #57 OR #67 WASHED STONE
22. BARREL LOCK - FURNISHED BY CLT WATER
23. PUMP STATION INSPECTION LOCKOUT WARNING TAG - FURNISHED BY CLT WATER

SIDE VIEW
SECTION VIEW
SECTION VIEW
PLAN VIEW