

MATERIAL LIST:

1. PRECAST CONCRETE UNDERGROUND VAULT – "UTILITY VAULT COMPANY VAULT":
SEE TABLE ON PAGE 14 FOR SIZE REQUIREMENTS.

LADDER: HOT DIPPED GALVANIZED BOLT-ON LADDER, #6 REBAR RUNGS ON 12" CENTERS,
AND MOUNTING BRACKETS TOP AND BOTTOM. PROVIDE BILCO "LADDER-UP" SAFETY POST.

PAINTING: THE INTERIOR OF THE CONCRETE VAULT SHALL BE PAINTED AT THE VAULT
MANUFACTURERS WITH ONE COAT OF STEEL COAT DAMP-TEX NO. 22 PRIMER AND TWO
COATS STEEL COAT DAMP-TEX DX 110-WHITE. THE EXTERIOR BELOW GRADE SHALL BE
PAINTED WITH TWO COATS OF KOOPERS BITUMASTIC BLACK SOLUTION OR EQUAL.
2. STATE APPROVED DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY.
EPOXY COATED CAST IRON MAINLINE CASE.
STAINLESS STEEL SPRINGS.
BRONZE AND STAINLESS STEEL WORKING PARTS.
CENTER ASSEMBLY IN VAULT LONGITUDINALLY.
3. SUMP PUMP OR GRAVITY DRAIN AS REQUIRED BY SITE CONDITIONS, TO BE DETERMINED
BY THE DEVELOPER AND CONTRACTOR AND REVIEWED AND APPROVED BY THE DISTRICT.

FOR SUMP PUMP: 16" DIAM. x 6" DEEP SUMP WITH HYDROMATIC OSP50 SUMP PUMP.
PROVIDE ELECTRICAL POWER PER ALL APPLICABLE CODES. CONSTRUCT
1-1/4" DISCHARGE PIPING ENCASED IN G.I.P. TO NEAREST CATCH BASIN
OR APPROVED LOCATION.

FOR GRAVITY DRAIN: SUMP DRAIN, ZURN Z-551, THREADED, WITH ZURN Z-1099 BACKWATER
VALVE, THREADED X NO- HUB. 4" C.I. PIPE TO 12" MIN. BEYOND
VAULT EXTERIOR WALL. 4" PVC D3034 SDR35, TO DAYLIGHT OR
CATCH BASIN AS REQUIRED.
4. ADJUSTABLE STEEL PIPE PIPING SUPPORTS. "STANDON", FROM MATERIAL RESOURCE,
HILLSBORO, OREGON, OR EQUAL.
5. DUCTILE IRON PIPE, CLASS 53 CEMENT LINED, FL.x P.E., 4'± LONG.
6. 2"x2"x1/4" MIN. WALL THICKNESS SQUARE STEEL TUBE, 6' MIN. LENGTH, SECURED TO
VAULT WALL IN FOUR PLACES WITH STAINLESS STEEL ANCHOR BOLTS.
7. UNI-FLANGE ADAPTER.
8. DISTRICT WILL PROVIDE BADGER MODEL 25 , HR-E, 1 CF , 5/8" METER WITH BEACON
CELLULAR TRANSMITTER, AND WILL BILL OWNER. CONTRACTOR TO INSTALL METER.
9. LINK SEAL ASSEMBLY
10. ROMAC RESTRAINED FLANGE COUPLING ADAPTER (RFCA)

NOTES:

1. PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR ALL MATERIALS AND EQUIPMENT TO
CROSS VALLEY WATER DISTRICT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
2. SEE PAGE 15 FOR ELEVATION AND PLAN VIEWS.