FIBERGLASS LID WITH STAINLESS STEEL BOLTS, NEOPRENE GASKET AND OPTIONAL STYROFOAM INSULATION 24" DIA. RIBBED PVC RISER INSTALLED AT FINISH GRADE

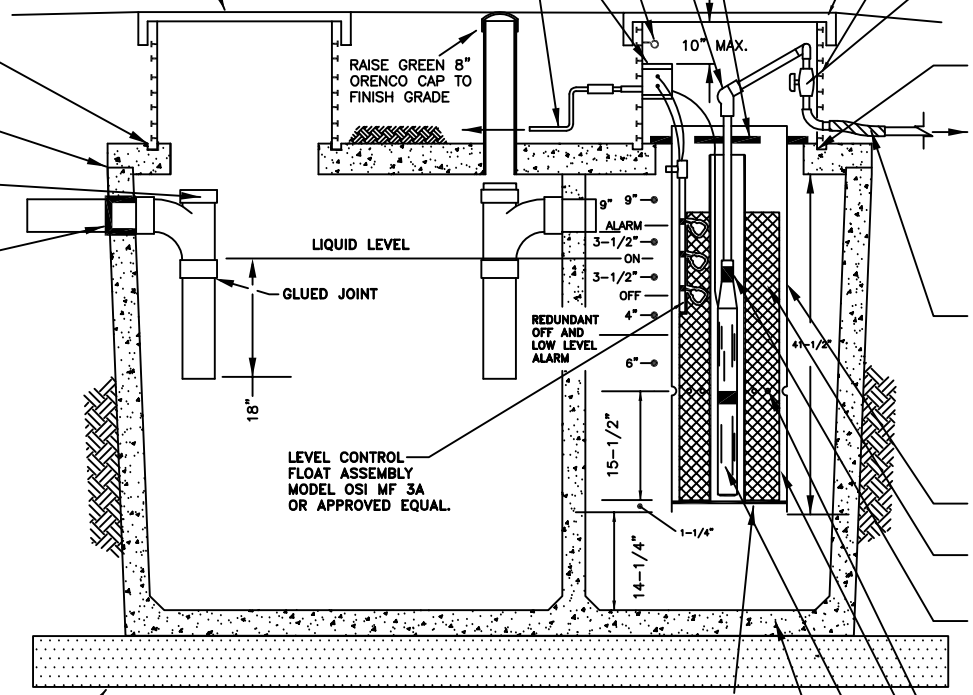
INSTALL 1 EA. STAINLESS STEEL EYE HOOK A MAXIMUM OF 10 INCHES FROM TOP OF RISER AND A MAXIMUM 6 INCHES AWAY FROM SPLICE BOX.

FIBERGLASS LID WITH STAINLESS STEEL BOLTS, NEOPRENE GASKET AND OPTIONAL STYROFOAM INSULATION MAXIMUM HEIGHT = 48 INCHES.

ALL RISER LIDS SHALL BE RAISED TO FINISH GRADE. THE BACKFILL MATERIAL SHALL BE PLACED UP THE SIDES OF THE TANK TO WITHIN 10" OF FINISH GRADE COVERING THE TOP OF THE TANK. INSTALLED AT FINISH GRADE

30" DIA. X MIN. 18" HIGH RIBBED PVC RISER WITH 1 NEOPRENE GROMMET.

1" DIA. HIGH PRESSURE PVC HOSE AND BALL VALVE ASSEMBLY WITH FLO-CONTROL AT (A)



FLANGED TANK ADAPTER

CONSEAL CS102 CONCRETE SEALANT

STANDARD PVC INLET T

4" NEOPRENE TY-SEAL GASKET SEAL (ASTMC564)

THE INSIDE AND OUTSIDE SURFACES SHALL BE PROTECTED BY APPLYING A HEAVY CEMENT-BASE WATERPROOF COATING OF THOROSEAL OR AN APPROVED EQUAL.

FLANGED TANK ADAPTER

TO SEWER SERVICE CONNECTION

FOR SERVICE BOX CONNECTION DETAIL SEE SS-14

1" DIA. HIGH PRESSURE HOSE (12" LONG WITH FITTINGS).

PVU BIO TUBE VAULT

BIO-TUBE (1/8" MESH).

1-1/4" BRONZE CHECK VALVE.

1-3/8" DIA. INLET HOLES AROUND PERIMETER OF VAULT (8 EACH).

DRAIN PORT WITH NEOPRENE FLAP CHECK.

MODEL P20 OSI 05 HHF HIGH HEAD SUBMERSIBLE EFFLUENT PUMP OR APPROVED EQUAL WITH S.O. POWER CABLE AND 1/8" BY-PASS ORIFICE IN THE DISCHARGE HEAD.

SEE SECTION 7E FOR APPROVED TANKS.

S.T.E.P.S.

(STEP TANK EFFLUENT PUMP SYSTEM)
SIDE VIEW TYPICAL 3,000 GALLON TANK

GENERAL NOTES:

1. TANKS SHALL BE BEDDED ON 6 INCHES OF 5/8" CRUSHED ROCK OR PEA GRAVEL. SIDES SHALL BE COMPACTED IN 2 FOOT LIFTS TO THE SAME OR GREATER DENSITY THAN THE SURROUNDING AREA.

2. PIPING FROM PUMP TO THE MAINLINE CONNECTION SHALL BE 11/4" SCHEDULE 80 PVC.

3. ALL BACKFILL MATERIAL FOR THE TANK SHALL BE SAND OR GRAVEL BACKFILL FOR PIPE ZONE BEDDING PER WSDOT 9-03.12(3) PAGE 9-27.

CITY OF TUMWATER, WASHINGTON
DEPT. OF PUBLIC WORKS

3,000 GALLON
S.T.E.P. TANK

APPROVED

CITY ENGINEER

DES.	DWG. BY	CK'D BY	DATE	DWG. NO.
PW	PW	KMC	JAN. 2012	SS-15

NOT TO SCALE