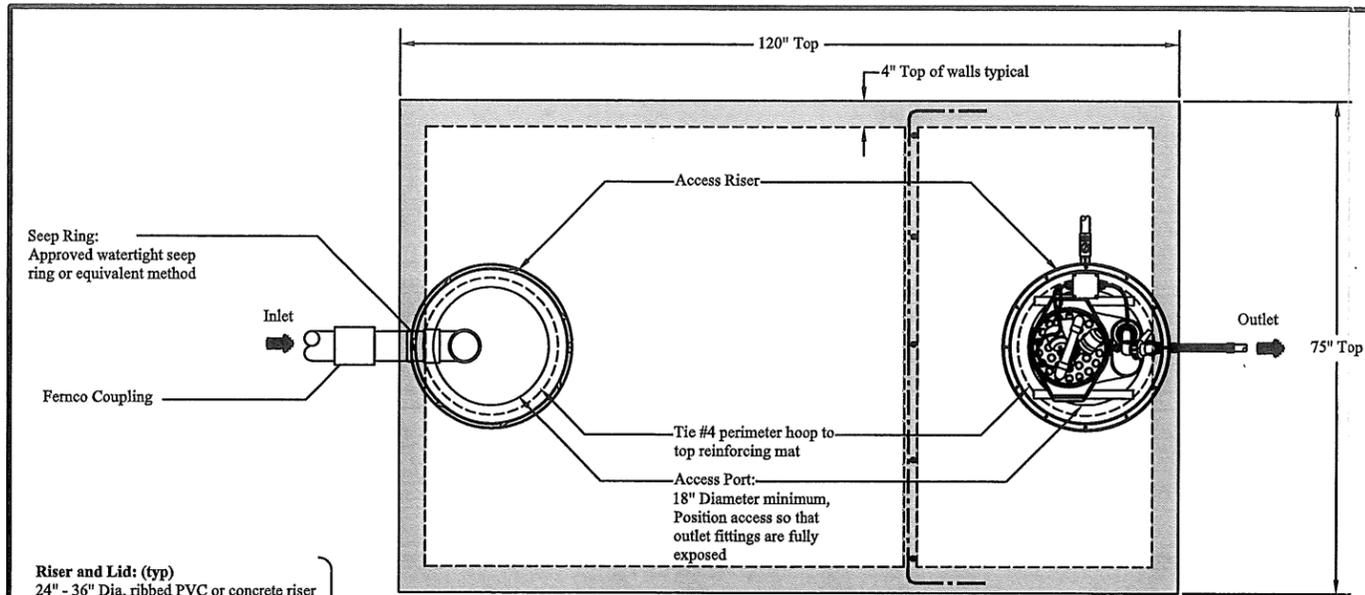


PLAN APPROVED



Top View

Riser and Lid: (typ)
24" - 36" Dia. ribbed PVC or concrete riser w/latching lid and polyurethane gasket or approved

30" Dia. required per 340-071-0220 when depth of bury greater than 36"

All risers shall be attached in a permanent and watertight manner
Lids shall be kept securely fastened at all times with stainless steel bolts

Traffic Bearing
Boltdown Lid (typ)

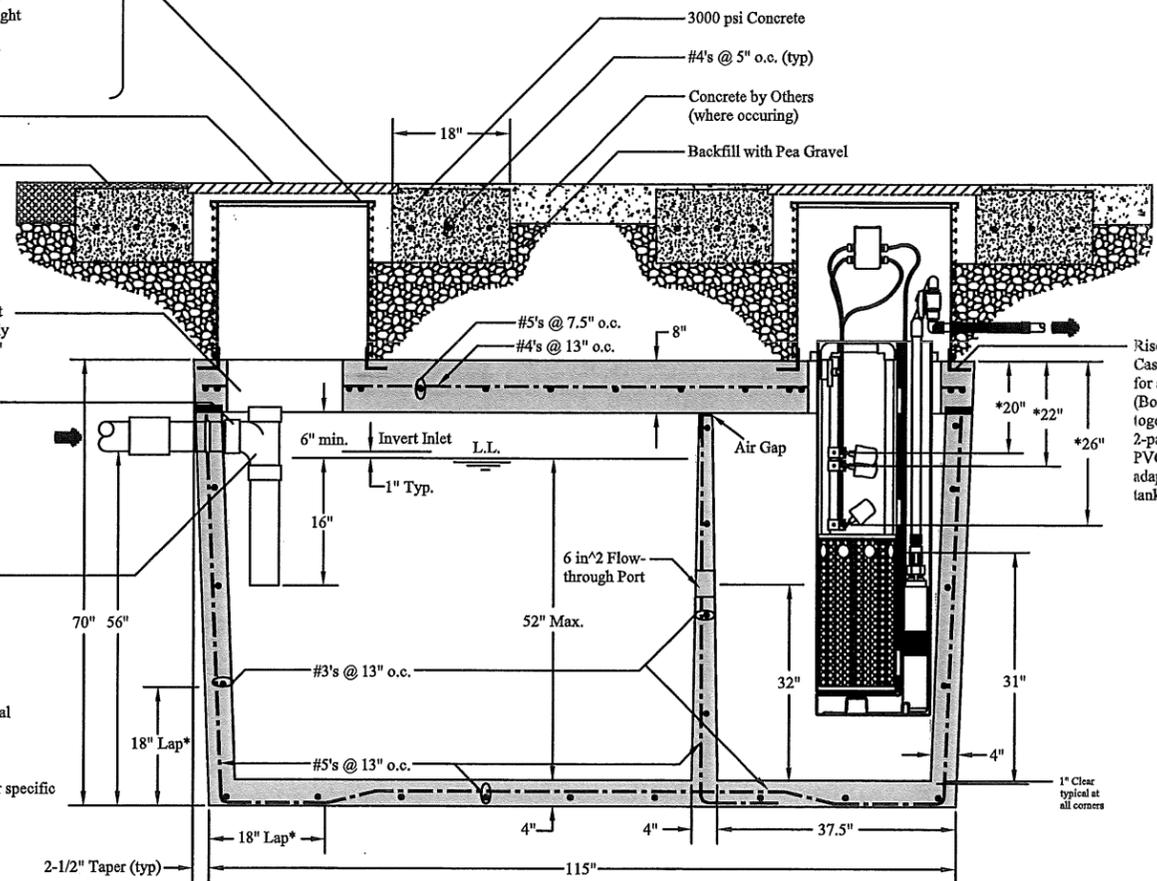
AC Pavement by Others (where occurring)

Position access port so that sanitary tee fittings are fully exposed. Edge of access 6" from outside edge of wall
Install sanitary tee snugly against tank wall

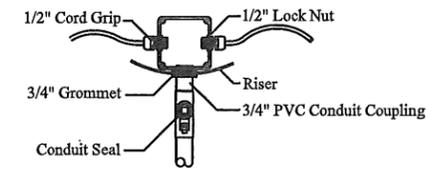
Sanitary Tee(s):
4" min. Dia. Sch. 40
ABS, PVC or approved

* 18" Minimum Lap Typical at all corners top and bottom

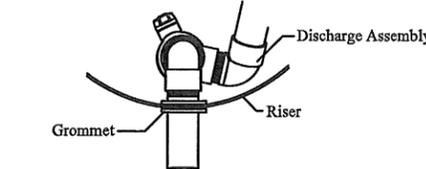
* Actual float levels set per specific permit requirements



Side View 1500 Gallon Tank

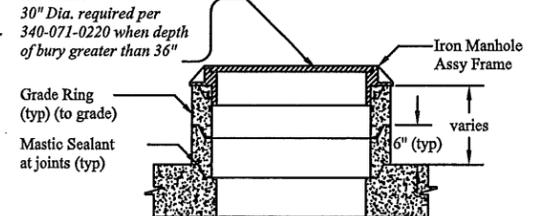


Splice Box Detail



Discharge Grommet Detail

24" Dia. Iron Manhole Lid with polyurethane gasket or approved alternative
30" Dia. required per 340-071-0220 when depth of bury greater than 36"



Concrete Riser Option

Tank Volumes:
Total Volume: 1,700 gal±
Operating Volume: 1,500 gal±
Unit volume at typical operating depth: 29.4 gal/in±
First Compartment Volume: 1,000 gal±
First Compartment Unit Volume: 19.6 gal/in±
Second Compartment Volume: 500 gal±
Second Compartment Unit Volume: 9.8 gal/in±

Loads:
Top = 400 psf
Lateral Load = 62.4 pcf
Concentrated Wheel Load = 16,000 lb.
The septic tank shall be capable of withstanding long-term hydrostatic loading, in addition to the soil loading, due to a water table maintained at ground surface. Soil Bearing = 1,500 psf (re-evaluate support base if soil bearing is less or unequal)

Concrete:
The walls and bottom slab shall be poured monolithically. Reinforcing steel shall be ASTM A-615 Grade 60, fy = 60,000 psi.

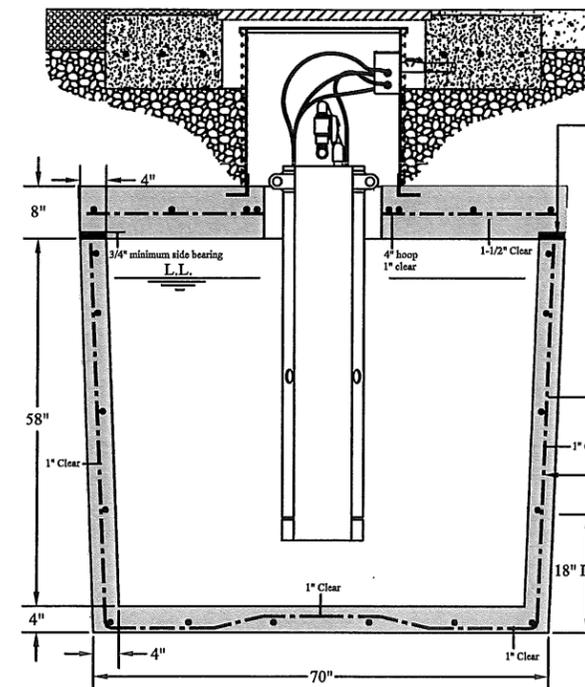
The concrete shall achieve a minimum compressive strength of 4,000 psi in 28 days; f'c = 4,000 psi. Concrete shall be ready mix with cement conforming to ASTM C-150, Type II. There shall be a content of not less than six and one half (6 1/2) sacks per cubic yards and maximum aggregate size of 3/4 inch. Water/Cement ratio shall be kept below 0.4, (W/C 0.35±). Air-entraining agents and fibrous reinforcement will enhance workability, curing and watertightness of the tank; however, their usage is optional.

Tanks shall not be moved from the manufacturing site to the job site until the tank has cured for seven (7) days, or has reached two-thirds of the design strength. Proper curing techniques must be used to ensure watertight tanks.

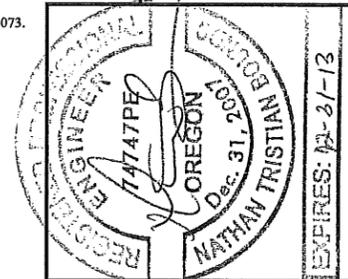
Installation:
Installation, bedding, compaction, etc., shall be in strict compliance with the manufacturers standards and state of Oregon's on-site rules 340-071 and 073. All tanks shall be set level on a minimum 3 inch thick compacted 3/4 minus pea gravel or approved granular bedding overlying a firm uniform base. The base shall be stable and uniform in order to ensure equal bearing across the tank bottom. Installations with 18 inches or less of ground cover may require additional buoyancy considerations as described in the installation manual.

Testing:
Tanks shall be tested and certified watertight per Oregon On-Site Rules 340-071 and 073.

Tank Markings:
Place marking on the upper most surface over the outlet.
Tank Manufacturer: Waite Concrete Products, LLC
Liquid capacity: 1,500 gal.
Min burial depth: 2 ft.
Max burial depth: 6 ft.
Max traffic (wheel): 16,000 lbs.
Date manufactured:
Permit no.:



End View



Waite Concrete Prod., LLC

24525 S.W. Pacific Hwy.
Canby, OR 97013
Phone: 503-266-2670

AquaLogic Engineering LLC.

334 Winchester Creek Ave.
Winchester, OR 97495
Phone: 541-672-6365

Waite Concrete Products, LLC
Canby, OR

1,500 Gal Partitioned Dosing Septic Tank H2O Loading

Approved By: NIB P.E.

Designed By: NIB P.E.

Drawing #: 1 of 1

Date: 9/25/2012

Project #:

Revision #: Rev 1.0

EXPIRES: 12-31-13