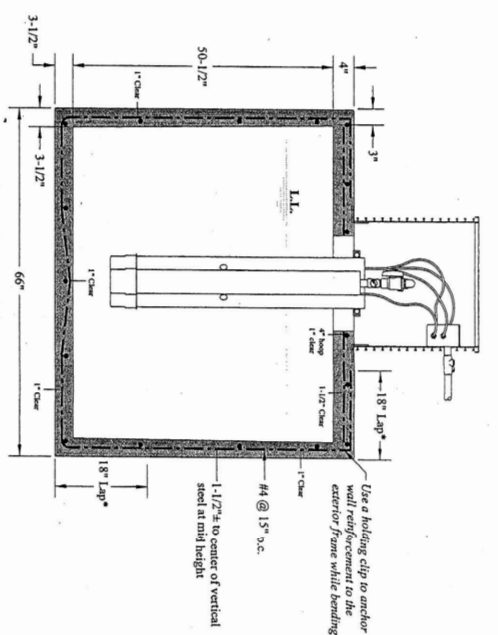
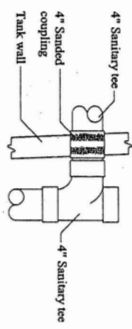


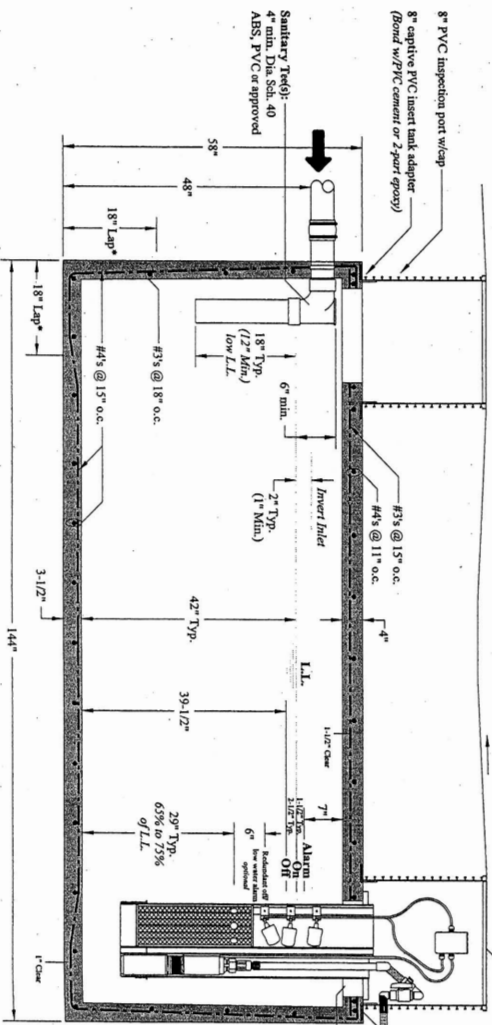
Top View



End View



Inlet Detail



Side View 1500 Gallon Tank

General Notes:

Riser and Lid:
24" Dia. ribbed PVC riser with locking lid and polyurethane gasket or approved.
30" Dia. required per 340-71-200 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.

Tank Volumes:

Total Volume: 1810 gals.
Opening Volume: 1505 gals.
Average unit volume full depth: 35.8 gal./ft.²
Unit volume at typical operating depth: 35.8 gal./ft.²

Loads:

Top = 400 psf
Lateral Load = 62.4 psf
Concentrated Wheel Load = 2500 lb.
The septic tank shall be capable of withstanding long-term hydrostatic loading in all directions, including surges, as well as being maintained at ground surface. Soil Bearing = 1500 psf (see separate support base of soil bearing as per or as required).

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; fc = 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 admixture shall be used to provide for freeze/thaw stability, curing and workability of the tank, however, their usage is optional.

Installation:

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, bedding, compaction, etc. shall be in strict compliance with the manufacturer's standards and state of Oregon's on-site rules 340-71 and 73. All tanks shall be set level on a minimum 3 inch thick compacted sand or approved granular bedding overlying a firm under the tank. The base shall be stable and uniform in order to prevent cracking of the tank. Bedding shall be 30 inches or less of compacted earth or approved granular bedding. Bedding shall be described in the manufacturer's instructions. A minimum cover of 12 inches is required over the tank in areas subject to occasional light wheel loads.

Test:

Tanks shall be tested and certified watertight per Oregon On-Site Rules 340-71 and 73.
Dosing: Dosing volumes not to exceed maximum limits set by Oregon on-site rules 340-71 and 73. Maximum percent of projected daily flow: 10% to sandfilters or 20% in other applications. Maximum discharge rate from single compartment dosing septic tank 30 gpm. Flow and dosing levels may vary within the limits of the on-site rules.

Tank Markings:

Place marking on the upper most surface over the outlet.
Liquid capacity: 1500 gal.
Max burial depth: 4ft.
Max traffic (wheel): 2500 lbs.
Date manufactured: _____
Permit no.: _____

RECEIVED

Hanks Concrete Products Lebanon, OR 1500 Gallon Septic Tank		HANKS CONCRETE PROD. 33065 TENNESSEE I LEBANON, OR 97335 PHONE: 541-298-25
Approved By: TRB P.E. Drawing By: CSJ Date:	Designed By: TRB P.E. Drawing #: 3 of 4 Project #:	OBERCO SYSTEMS, IN 814 AIRWAY AVENUE SUTHERLIN, OR 9714 PHONE: 541-459-44