

**Application for Waiver from Construction Standards for Public Water Systems**

Water System Name	Roco Winery & Tasting Room	PWS ID	TBD
Project or Facility	Buried 3,250-gal Norwesco tank model#3525	County	Yamhill
Need for waiver identified:	<input type="checkbox"/> Water System Survey	Date of Survey	N/A
	<input checked="" type="checkbox"/> Plan Review # 13-2026		

Construction standard requested to be waived:

- 1) OAR 333-061-0050 (6)(a)(G) – footing drain for buried tanks
- 2) OAR 333-061-0050 (6)(a)(J) – Locked hatch
- 3) OAR 333-061-0050 (6)(a)(K) – Internal ladder
- 4) OAR 333-061-0050 (6)(a)(L) – Screened vent
- 5) OAR 333-061-0050 (6)(a)(M) – Drain and overflow with flap valve and/or screen
- 6) OAR 333-061-0050 (6)(a)(N) – Silt stop at the outlet

As provided under OAR 333-061-0055, the Department may grant waivers from the construction standards prescribed by these rules:

- (a) When it is demonstrated to the satisfaction of the Department that strict compliance with the rule would be highly burdensome or impractical due to special conditions or causes; and
- (b) When the public or private interest in the granting of the waiver is found by the Department to clearly outweigh the interest of the application of uniform rules; and
- (c) When alternate measures are provided which, in the opinion of the Department, will provide adequate protection to the health and safety of the public including the ability to produce water which does not exceed the maximum contaminant levels listed in rule 333-061-0030.

Describe situation that conflicts with the standard. The tank is a 3,525-gallon buried storage tank (NORWESCO Model# 3525) which was previously installed. The tank is designed for burial and was not manufactured with an internal ladder, drain, screened vent or overflow. The hatch on the roof is secured with tamper resistant security screws and has a gasket to keep the hatch watertight. The tank was installed per manufacturers instructions, which did not indicate a footing drain was needed as the tank is located at the top of a hill with grading away from the tank.

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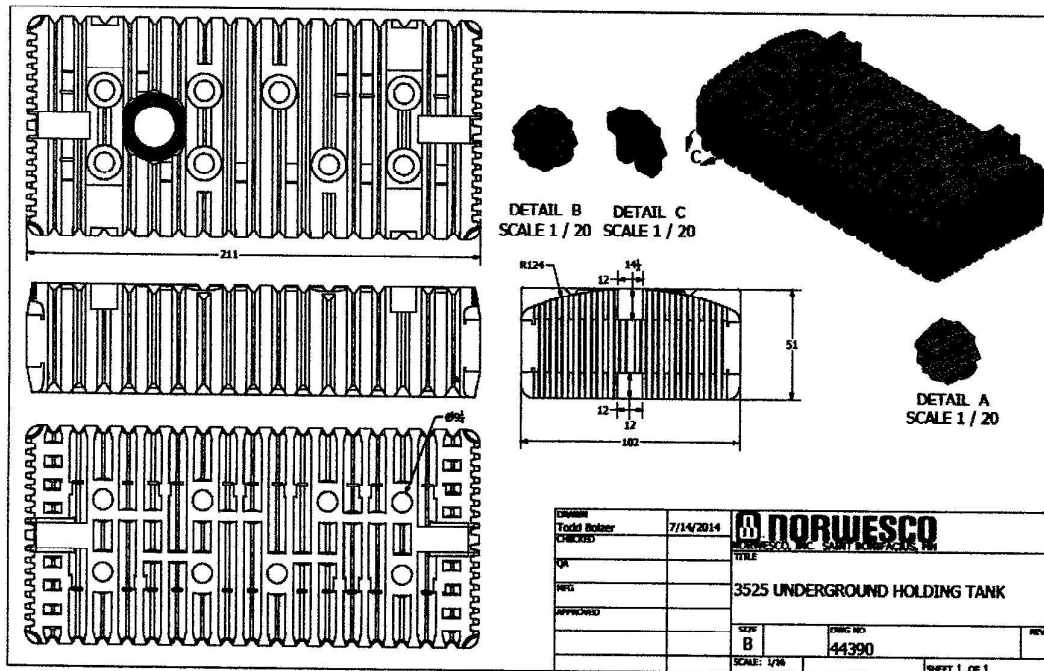
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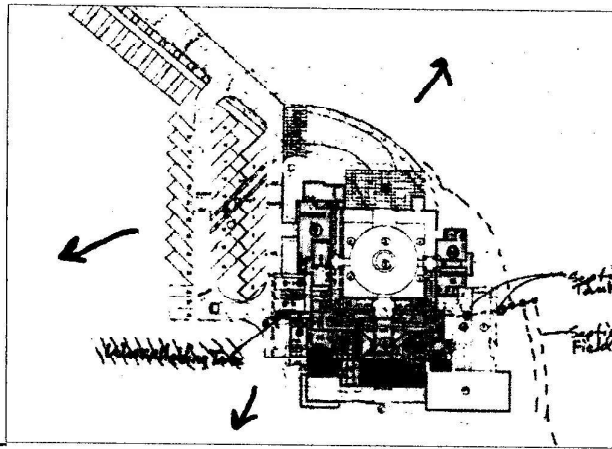
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Describe why meeting the standard is highly burdensome or impractical. The only access to the inside of the buried 3,525-gallon potable water storage tank is through the roof hatch as shown in the photographs below. Installing a permanent ladder would be difficult given the small access hatch and piping (shown below). Installing a footing drain, tank drain and overflow would also be difficult.

Describe proposed alternate measure that provide adequate protection to public health and safety. The tank would be pumped out if we ever had to drain or clean out the inside of the tank, avoiding the need for a drain or for a ladder to enter the tank. The tank has level controls that prevent the tank from overflowing. The tank access has a lid and is secured with tamper resistant security screws to prevent unauthorized access. The location of the tank is also not generally accessible to the public. Tank is located on a hill above water table and grade slopes away.



Tank hatch, site grading, and installation instructions are shown below:

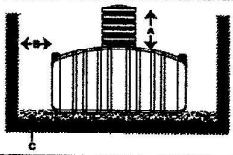


**Installation Instructions**  
**24" Burial Depth Holding Tanks**

**THESE TANKS ARE NOT TO BE USED ABOVE GROUND**

**1. EXCAVATION**

- A. Excavate to a depth that will provide a minimum of 6" and a maximum of 24" of cover over the top of the tank.
- B. Allow 18" to 24" on both sides and both ends of the tank.
- C. Bed the tank in well-compacted sand - 6" minimum in soil terrain, 12" minimum in rock terrain.



**2. CONNECTIONS TO TANK**

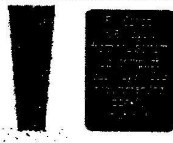
- A. Install fittings in any location required for holding tank use.
- B. Contact factory for approval if multiple fittings are installed in close proximity.
- C. Tank must be vented.
- D. For water-tight seal, lid should be sealed with silicone or urethane caulking. Re-use stainless steel screws supplied with lid to re-attach lid to tank.

**3. MANHOLE EXTENSION**

- A. Install manhole extension before you backfill.
- B. Norwesco manhole extensions are supplied with gaskets and screws. Re-use the stainless steel screws to attach the lid at the top of the manhole extension.

**4. BACKFILLING EXTERIOR**

- A. Backfill with 12" layers and compact each layer. Always compact ends first.
- B. Each of the interior support cones must be filled and compacted in 6" layers; the bottom half of the cones are tapered and must have the soil compacted to provide structural support. See diagram.
- C. Maximum backfill over the top of the tank is 24". Mound soil over the top to provide positive drainage.



**5. BACKFILL MATERIALS**

- A. The preferred material for backfilling, surrounding and covering the tank is a sand and gravel mixture-100% smaller than 1/2" and approximately 50% smaller than 1/4". Native soil can be used if this mixture is not available.
- B. All fill must be free of any wood, masonry debris, silt or clay. Sharp objects must not come in contact with the wall of the tank.

**CAUTION**

*Failure to comply with the points below voids warranty.*

- A. Maximum burial depth is 24 inches.
- B. Do not install tank in water-saturated clay or in high water table.
- C. Do not install tank across the path of vehicles or heavy equipment.
- D. Protect tank from sharp objects which could puncture it and cause leakage.
- E. Tanks are not fire-resistant. Do not store them near an open flame or in heat in excess of 180° F.
- F. Do not lift tank by lugs unless tank is empty. Always lift using 4 lugs simultaneously.

*Norwesco advises against the use of a plastic underground tank for any other uses! Such uses would void any Norwesco product warranty either stated or implied. In no event shall Norwesco be held liable for any consequential damages.*

**WARRANTY**

The Norwesco underground tanks, when installed in accordance to manufacturer's instructions, are warranted against defective materials and/or workmanship for a full three (3) years from date of manufacture. Should a defect appear within the warranty period, Norwesco will supply a new, equivalent tank in replacement thereof. Norwesco's liability is limited to the value of the tank itself and specifically excludes the cost of installation and/or removal and consequential damages.



NORWESCO inc.  
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 TEL: (800) 328-3420 | FAX: (800) 874-2371  
[www.norwesco.com](http://www.norwesco.com)

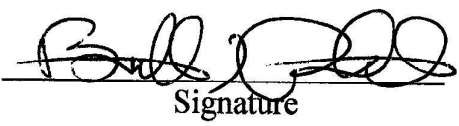
1A152

Attach plans of proposed waiver request or additional supporting information and

- Email your regulator; or
- Email [dws.planreview@dhsosha.state.or.us](mailto:dws.planreview@dhsosha.state.or.us); or
- Mail:

2/13/26

800 NE OREGON ST.  
 PO BOX 14450  
 PORTLAND, OR 97293-0450  
 (971) 673-0405  
[healthoregon.org/pwsplanreview](http://healthoregon.org/pwsplanreview)



Signature

2/17/20

Date

Oregon Health Authority  
Drinking Water Services #640  
PO Box 14450  
  
Portland, OR 97293-0450

Name Brett Fogelstrom  
([brettfogelstrom@gmail.com](mailto:brettfogelstrom@gmail.com))  
Fogelstrom Design Build Co.  
Address 19675 SW Seiffert Rd.  
City/State/Zip Sherwood OR 97140  
Telephone Number 503.310.7960

Comments:

Attachments:

Waiver ID 2026-582

Entered into waiver database

Plan Review Coordinator's notes: The alternate measures provided should be adequate for normal operation of the storage tank.

After due consideration the above requested waiver from the construction standards of OAR 333-061-0050 is hereby:

Approved    Comments:

Denied



3.3.26

Drinking Water Regional Manager Signature  
Oregon Health Authority

Date

Waiver database updated