

# Winona Concrete & Pipe Products Ltd.

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# Concrete Water Cistern

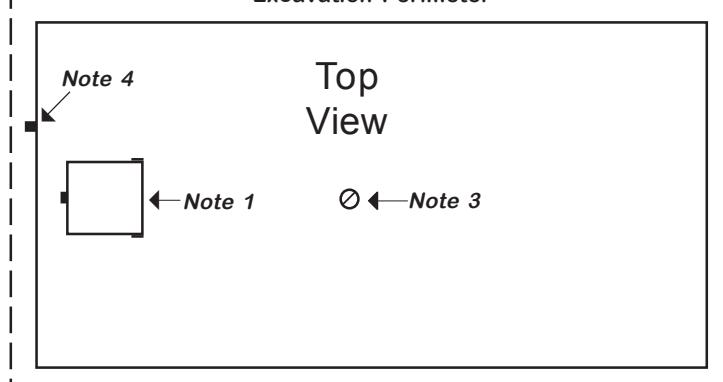
Date : May 1, 2024

Model : CI-4200R

Capacity: 4,200 Imp. Gal. (19,100 L)

Drawings are dimensional (not necessarily to scale) with unit of measure in Inches unless otherwise noted.

## Excavation Perimeter



**RECOMMENDED EXCAVATION: Length 17'6" Width 10'6" Depth 7'10"**

## IMPORTANT

► Bottom of excavation must be levelled at perimeter using small granular aggregate & **slightly dished** approx. 3" to center.

► Backfilling may be done once poly pipe is connected to tank & must be done evenly around entire tank. **DO NOT bump tank or drive within excavation area.** Tank may be filled once backfilling is complete.

► Cistern is swept clean prior to delivery. However, tank may become dirty during shipping and/or installation. Customer is responsible for final cleaning and sanitation prior to use.

## Product information

1) Access riser extends 19" above cistern surface to facilitate minimum 12" soil cover. Standard riser configuration includes a stainless steel, hinged, lockable riser cover (lock provided).

2) 1-1/4" PVC Coupling (2) pre-installed to facilitate pump & or water level alarm wiring into cistern. Plug(s) supplied should be sealed into coupling if not connected to conduit.

3) 4" PVC (IPS) gasketed fitting (1) cast-in place & sealed with Sch 40 PVC cap. Cap removable for piping connections if desired.

4) Standard configuration includes one 1.25" Stnl. thru-tank fitting cast into tank wall, flush each side. Sch 40 PVC piping & brass foot valve installed inside tank and brass nipple/elbow with 1-1/4" brass insert adapter installed outside tank (w/SS clamps provided).

Fittings sized for 1.25" 100 psi CSA Poly Pipe unless specified otherwise ( pipe available upon request ).

5) Available options include:

- a) Submersible pump system for inside cistern installation
- b) Jet Pump system for in-house set-up
- c) Water Level Indicator & Low-water alarm
- d) Ultra-Violet Sterilizers, Reverse Osmosis Purifiers and Water Filtration systems

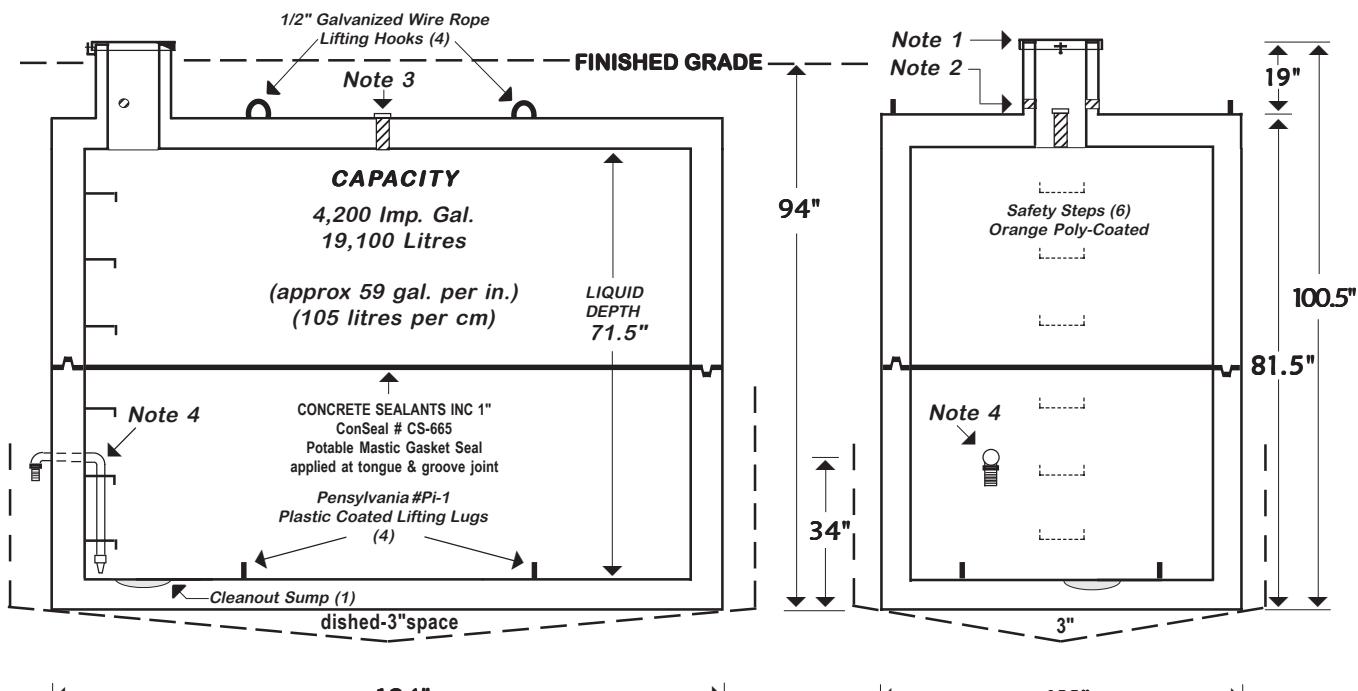
6a) Cement used is Normal Portland type 10 or 30 unless noted otherwise.

b) Minimum 28-day Concrete Strength: 35 MPa

c) Design Max Burial Depth (earth cover) : 39"

d) Tolerances: Capacity & Measurements +/- 3%

e) **Not intended for use in areas of vehicular traffic loading.**



NOTE: This cistern is shipped in two sections & assembled at jobsite

[www.winonaconcrete.com](http://www.winonaconcrete.com)

DRY WEIGHT 31,415 POUNDS

CI-4200R\_2024.05.01