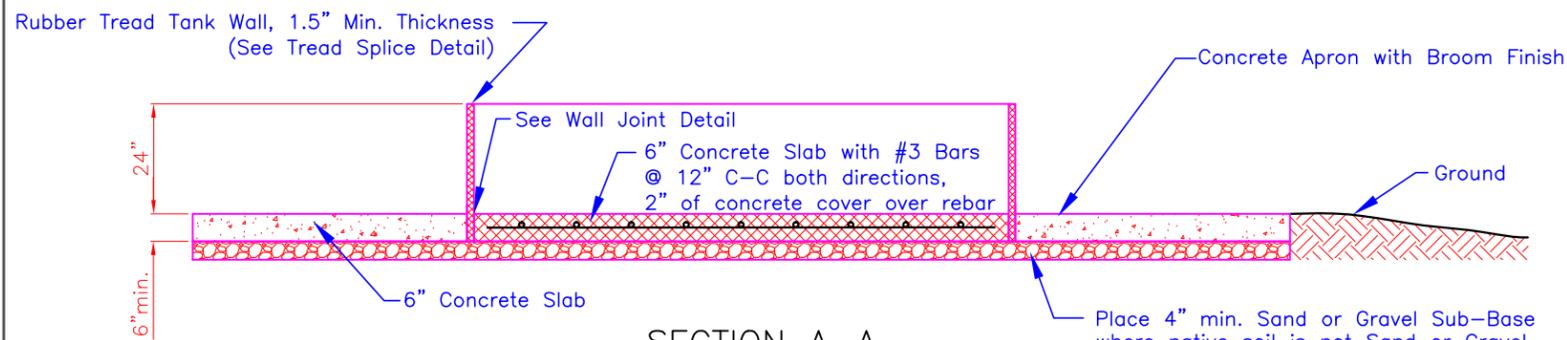
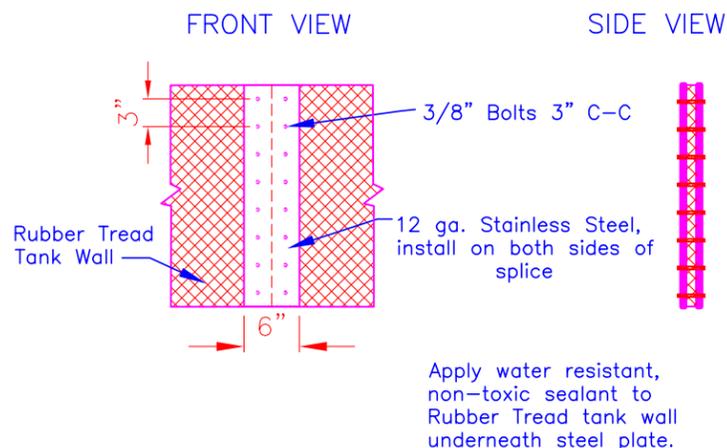


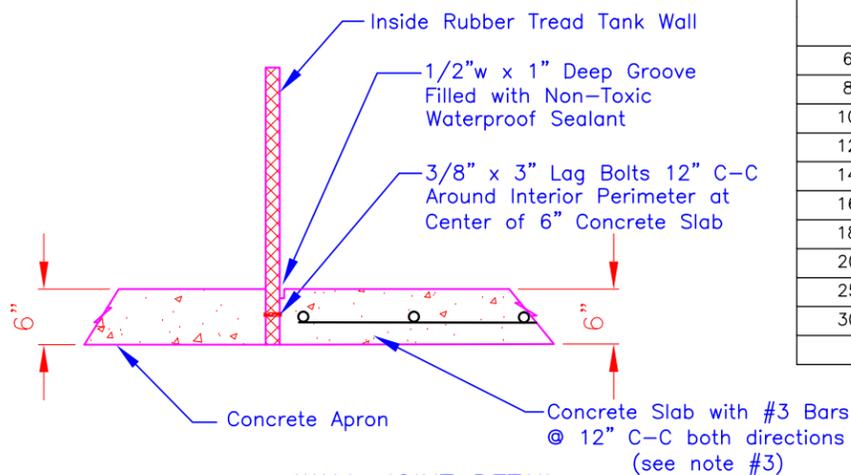
HALF PLAN VIEW  
not to scale



SECTION A-A  
not to scale



TREAD SPLICE DETAIL  
not to scale



WALL JOINT DETAIL  
not to scale

GENERAL NOTES

- Materials and construction methods shall conform to requirements of Colorado NRCS Conservation Practice Specification 614, Watering Facility.
- The concrete mix shall be proportioned to provide a 3,000 psi or greater compressive strength at 28 days, or otherwise shall contain no less than six sacks (94 lbs.) of cement per cubic yard, and no more than six gallons of water per 94 pounds of cement. Concrete will be mixed to a consistency that will allow proper consolidation in the forms, but not so wet that aggregates separate from the mortar (approximately 2-5 inch slump). The air content (by volume) of the concrete at time of placement shall be between 4% and 8%.
- Steel reinforcement shall be placed in the 6" center concrete slab. Reinforcement shall be #3 reinforcing bars spaced at 12 inches; allowable substitution is #4 reinforcing spaced at 18 inches. Reinforcing shall be supported on chairs prior to placing concrete. Steel reinforcement is not required in the concrete apron.
- Concrete shall be cured using a non-toxic curing compound.(ASTM C-305 Type II), within 1 hour after placement of non-formed concrete or after forms are removed and all voids are patched in formed concrete.
- The 6" center concrete slab may be installed level, or sloped a maximum of two (2) inches towards a drain.
- The top rim of the tank shall be installed level, plus or minus one (1) inch.
- Inlet and outlet plumbing are required but are not shown on this drawing. The inlet and outlet plumbing may be installed as shown on Colorado Standard Drawing CO-SSP-77. Cattle guard is recommended but not required.
- Note - Rubber tread walls may present a hazard for animals that will chew and ingest.
- Expansion joint (weak plane joint) will be tooled into the concrete apron every 10 feet around the perimeter of the tank.
- Confirm depth of tank w/contractor and adjust freeboard accordingly, as depth of tank may vary depending upon size of track.

Nominal Diameter (Feet)	Volume w/2" Freeboard (Gallons)	Approximate Concrete Volume (Cubic Yards)	Approximate Qty of #3 Bars tank slab only		Approximate Qty of #4 Bars tank slab only		Landowners Initials
			Length (Feet)	Weight (Pounds)	Length (Feet)	Weight (Pounds)	
6	388	3.7	49	18.4	31	20.7	
8	689	4.7	90	33.8	63	42.1	
10	1,077	5.8	144	54.1	100	66.8	
12	1,551	7.1	211	79.3	138	92.2	
14	2,111	8.4	290	109.0	197	131.6	
16	2,757	9.8	382	143.6	261	174.3	
18	3,489	11.4	487	183.1	321	214.4	
20	4,308	13.1	604	227.1	407	271.9	
25	6,731	17.8	959	360.6	641	428.2	
30	9,693	23.3	1,378	518.1	915	611.2	