

RIM DIA. FT.	CONC. CU.YD.	STEEL REINF. LIN.FT.	VOLUME 24" HIGH GALLONS
6	1.6	148	387
8	1.9	215	688
10	2.9	296	1,075
12	3.7	415	1,548
14	4.6	517	2,107
16	5.5	667	2,752
18	6.5	801	3,483
20	7.6	963	4,300
22	8.7	1,142	5,203
24	9.9	1,323	6,192
25	10.6	1,409	6,719
30	14.1	1,950	9,675
40	22.5	3,256	17,201
50	33.0	4,955	26,877
60	45.3	6,930	38,703

**NOTES AND SPECIFICATIONS**

- MATERIALS AND CONSTRUCTION SHALL CONFORM TO COLORADO ENGINEERING STANDARD AND SPECIFICATION, NO. 614, TROUGH OR TANK.
- DIAMETERS OF TANKS ARE NOMINAL ONLY. MANUFACTURE'S SIZES VARY.
- THE MINIMUM THICKNESS OF THE FLOOR IS 4". THE FLOOR MAY BE LEVEL OR WITH A 2" RISE AT CENTER TO FACILITATE DRAINAGE.
- THE TOP OF TANK SHALL BE INSTALLED WITHIN 1" OF LEVEL FOR ITS ENTIRE CIRCUMFERENCE.
- INLET SUPPLY LINE MAY BE EXTENDED TO NEAR TOP OF TANK TO BETTER MAINTAIN OPEN WATER IN FREEZING WEATHER, OR MAY ENTER OVER SIDE OF TANK.
- OVERFLOW PIPE AND DRAIN MAY BE MOVED TOWARD THE CENTER OF TANK IF DESIRED.
- STANDARDIZED DESIGNS - MUST BE ADAPTED TO THE SPECIFIC SITE.

**OPTIONAL DESIGNS**

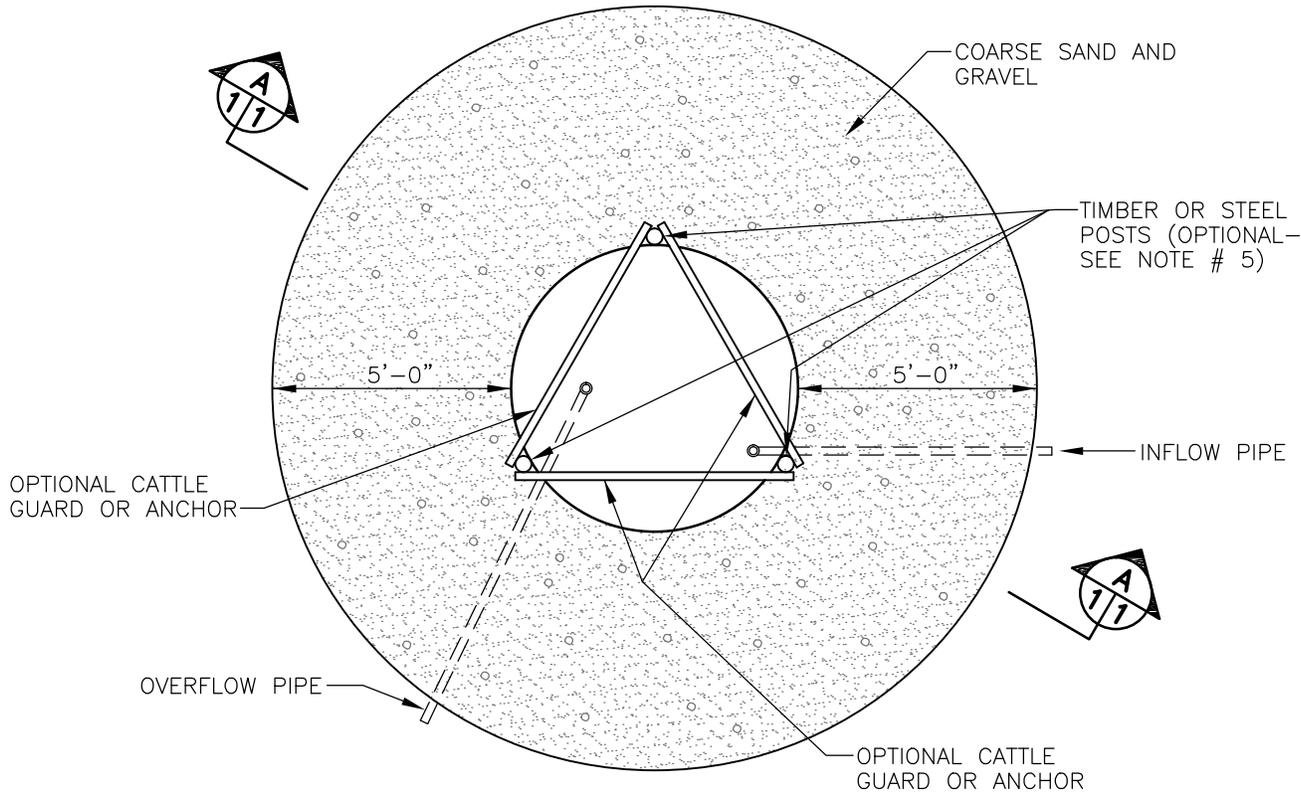
- A CATTLE GUARD MAY BE INSTALLED AROUND THE TANK. USE 1-1/2" STEEL PIPE OR 4" DIA. TIMBER POSTS AND ROD, WIRE OR CABLE. FOR 6' TO 14' DIA. TANK, USE 3 EQUALLY SPACED POSTS. FOR 14' TO 20' DIA. TANKS, USE 6 EQUALLY SPACED POSTS. OVER 20' DIA. TANKS, USE 8 EQUALLY SPACED POSTS. LENGTH OF POSTS VARIABLE. SECURELY FASTEN ROD, WIRE, OR CABLE TO POSTS AT DESIRED HEIGHTS.
- OTHER ALTERNATES FOR THE OVERFLOW PIPE SUCH AS A COUPLER INSTALLED AT THE FLOOR LEVEL SO PIPE CAN BE REMOVED FOR DRAINING TANK ARE ACCEPTABLE.
- REFER TO EFM, CHAPTER 12, FOR ADDITIONAL INFORMATION.



**STEEL RIM STOCK TANKS WITH CONCRETE BASE**

(REVISED LAST ON 10-09)

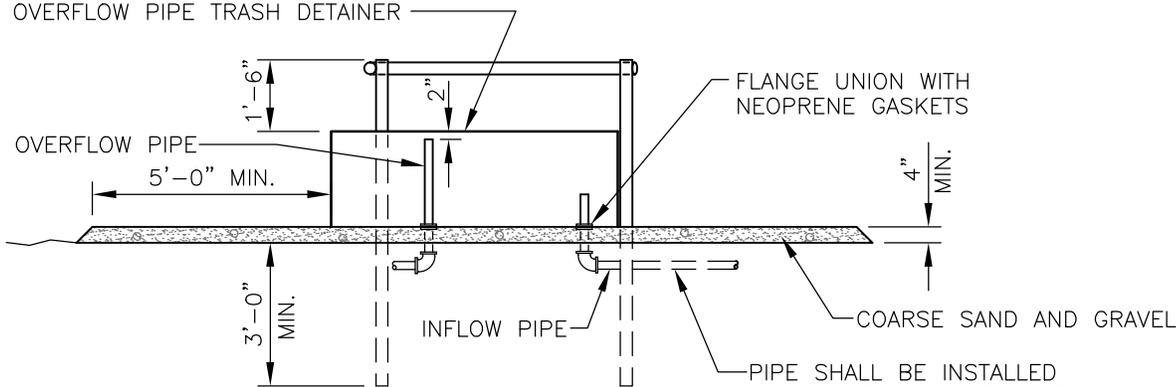
Designed <u>JRF</u>	Date <u>8-80</u>	File Name
Drawn <u>DDD</u>	<u>6-08</u>	Drawing Name
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Approved <u>J.E. ANDREWS</u>	<u>10-09</u>	Sheet 1 of 2
<u>S.C.F.</u>		



**PLAN VIEW OF TANK**

NO SCALE

SEE SHEET 1 OF 2 FOR OPTIONAL OVERFLOW PIPE TRASH DETAINER



**SECTION A**

NO SCALE

**NOTES**

1. STANDARD DESIGNS – MUST BE ADAPTED TO THE SPECIFIC SITE.
2. MATERIALS AND CONSTRUCTION SHALL CONFORM TO COLORADO ENGINEERING STANDARD AND SPECIFICATION NO. 614, TROUGH OR TANK.
3. MINIMUM DIAMETER OF TANK SHALL BE 6 FEET.
4. PROVISIONS SHALL BE MADE TO DISPOSE OF EXCESS OR OVERFLOW WATER AWAY FROM THE TANK TO A POINT OF DESIRABLE RELEASE TO AVOID BOGGY CONDITIONS. OVERFLOW PIPE SHALL BE 1-1/2" DIAMETER MINIMUM.
5. CONSIDERATION SHALL BE GIVEN TO USE OF CATTLEGUARD OR POSTS TO ANCHOR TANK IN PLACE WHEN THERE IS LIKELIHOOD IT MIGHT BE MOVED BY CATTLE OR HIGH WINDS. USE 4" DIA. TIMBER OR 1-1/2" STEEL POSTS. GUARD RAILS SHALL BE BOLTED OR SECURELY TIED TO VERTICAL POSTS WITH NO. 9 GALV. WIRE. FOR 6' TO 14' DIA. TANKS, USE 3 EQUALLY SPACED VERTICAL POSTS. FOR 16' TO 20' DIA. TANKS USE 6 EQUALLY SPACED VERTICAL POSTS. FOR DIA. LARGER THAN 20' USE 8 EQUALLY SPACED VERTICAL POSTS. GUARD RAILS MAY BE 3"x8" PLANKS.



**NRCS**

Natural Resources Conservation Service  
United States Department of Agriculture

**STEEL TANKS WITH STEEL BOTTOMS**

(REPLACES 614S)  
(REVISED LAST ON 10-09)

Date	File Name
Designed _____	
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