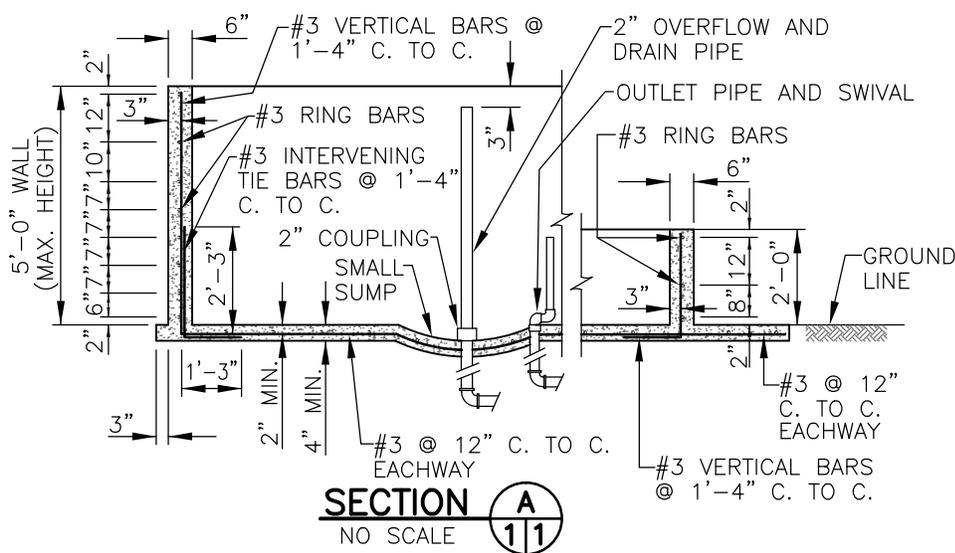
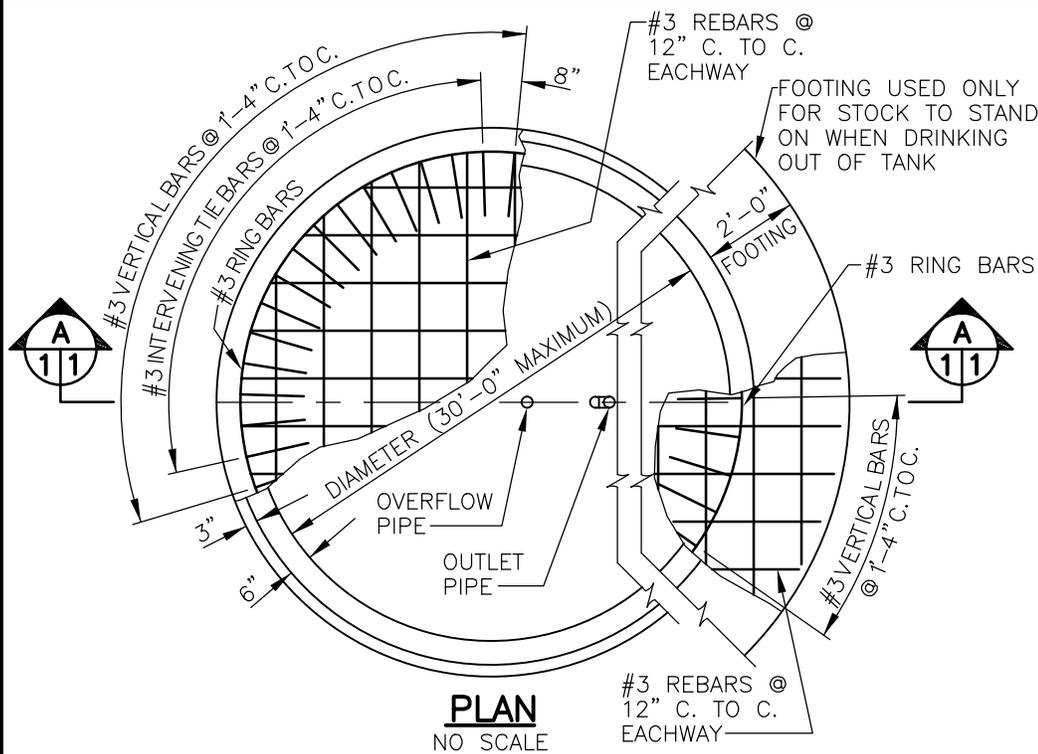


## NOTES AND SPECIFICATIONS

1. CONSTRUCTION SHALL MEET THE APPLICABLE SPECIFICATION FOR ENGINEERING STANDARD AND SPECIFICATIONS NO. COLO. 614.
2. CARE SHOULD BE USED IN PLACING THE CONCRETE TO AVOID SEGREGATION. AFTER THE FORMS ARE REMOVED ALL EXPOSED VOIDS SHALL BE FILLED WITH A CEMENT-SAND MORTAR AND THE ENTIRE SURFACE WET-RUBBED TO ACCOMPLISH A DENSE SMOOTH SURFACE.
3. REINFORCING STEEL SHALL BE FREE OF OIL AND OTHER FOREIGN MATTER AS LOOSE COATINGS OF RUST OR SCALE AND SHALL BE SECURELY TIED. SPLICES SHALL BE LAPPED A MINIMUM OF 12 INCHES.
4. IF THE GROUND IS HIGHLY PLASTIC MATERIAL OR SUBJECT TO SIGNIFICANT SWELLING, A MINIMUM 4" LAYER OF SAND OR FINE GRAVEL SHALL BE PLACED BETWEEN THE FLOOR AND THE SUB-BASE MATERIAL.
5. DIMENSIONS MAY VARY AS FOLLOWS: DIAMETER FROM 10 TO 30 FEET; HEIGHT FROM 2 TO 5 FEET.
6. A GUARD TO KEEP THE CATTLE OUT OF THE TANK IS OPTIONAL. SEE DRAWING NO. 5, E-20, 136 STANDARD PLANS FOR STEEL RIM TROUGHS AND TANKS REVISED 8-66.
7. ALL REINFORCEMENT SHALL BE #3 BARS. INTERVENING TIE BARS WILL NOT BE REQUIRED FOR WALL HEIGHTS OF 30 FEET OR LESS.



### QUANTITIES

HEIGHT FEET	DIAMETER FEET	WATER DEPTH FEET	STORAGE AFFORDED GALLONS	CONCRETE CU. YDS.	REINFORCING STEEL, LBS.
2 <sup>①</sup>	10	1.75	1,028	2.78	203
	15	1.75	2,913	4.77	340
	20	1.75	4,114	7.24	505
	25	1.75	6,428	10.20	699
	30	1.75	9,254	13.64	922
3	10	2.75	1,615	2.18	176
	15	2.75	3,635	3.97	306
	20	2.75	6,464	6.25	463
	25	2.75	10,100	9.01	651
	30	2.75	14,542	12.26	867

### QUANTITIES (CONT.)

HEIGHT FEET	DIAMETER FEET	WATER DEPTH FEET	STORAGE AFFORDED GALLONS	CONCRETE CU. YDS.	REINFORCING STEEL, LBS.
4	10	3.75	2,203	2.48	245
	15	3.75	4,957	4.42	405
	20	3.75	8,814	6.84	596
	25	3.75	13,772	9.74	815
	30	3.75	19,830	13.14	1,060
5	10	4.75	2,790	2.77	267
	15	4.75	6,279	4.86	438
	20	4.75	11,164	7.43	639
	25	4.75	17,444	10.48	869
	30	4.75	25,118	14.02	1,124

① FOOTING HAS BEEN ADDED.



# NRCS

Natural Resources Conservation Service  
United States Department of Agriculture

## STANDARD PLANS FOR A REINFORCED CONCRETE STOCK TANK

(REVISED LAST ON 10-09)

Designed _____	Date _____	File Name _____
Drawn DDD	4-09	Drawing Name CO-SSP-1
Checked _____		
Approved J.E. ANDREWS S.C.F.	10-09	Sheet 1 of 1