

NOTES AND SPECIFICATIONS

1. CONSTRUCTION SHALL MEET THE APPLICABLE SPECIFICATION FOR ENGINEERING STANDARD AND SPECIFICATIONS NO. 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.

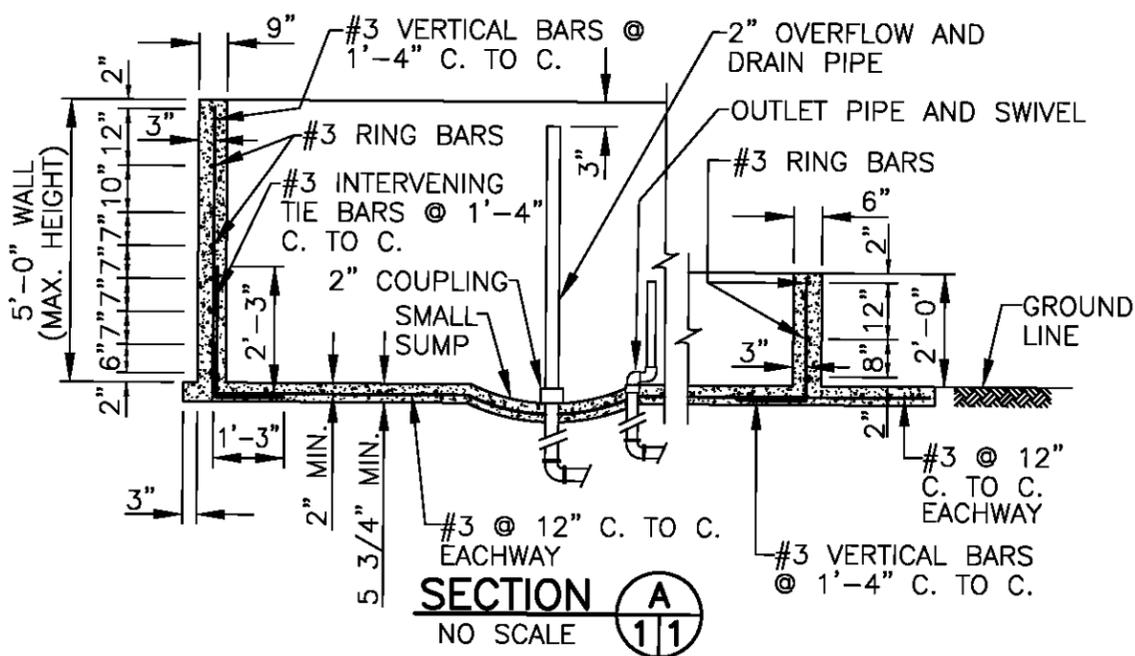
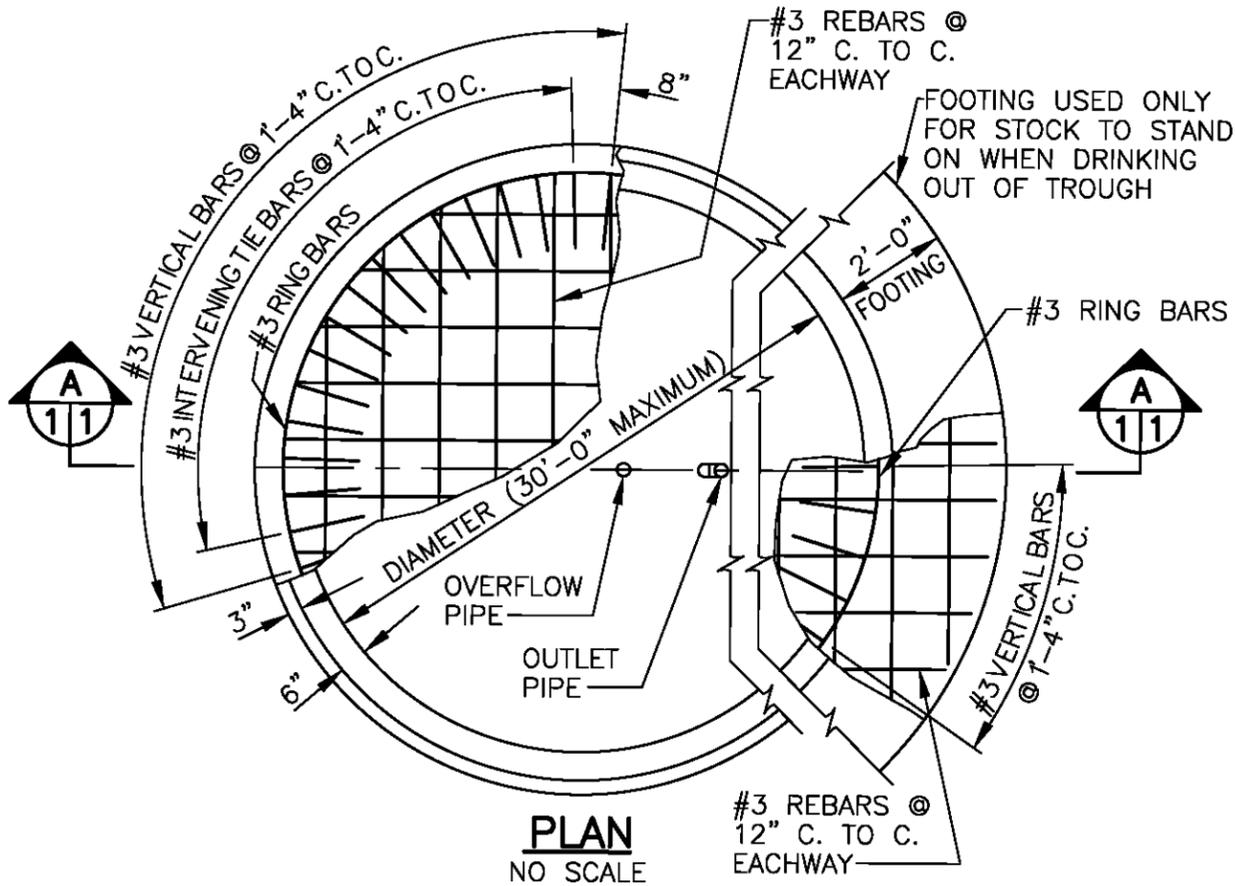
4. IF THE GROUND IS HIGHLY PLASTIC MATERIAL OR SUBJECT TO SIGNIFICANT SWELLING, A MINIMUM 4" LAYER OF SAND OR FINE GRAVEL SHALL BE PLACED BETWEEN THE FLOOR AND THE SUB-BASE MATERIAL.

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.

7. ALL REINFORCEMENT SHALL BE #3 BARS. INTERVENING TIE BARS WILL NOT BE REQUIRED FOR WALL HEIGHTS OF 3 FEET OR LESS.

8. OUTLET PIPE AND SWIVEL USED WHEN TROUGH USED AS STORAGE TANK. INLET PIPE, FLOAT VALVE, OTHER PLUMBING NOT SHOWN.



QUANTITIES

HEIGHT FEET	DIAMETER FEET	WATER DEPTH FEET	STORAGE AFFORDED GALLONS	CONCRETE CU. YDS.	REINFORCING STEEL, LBS. ②
2 ①	10	1.75	1,028	3.21	203
	15	1.75	2,913	5.73	340
	20	1.75	4,114	8.94	505
	25	1.75	6,428	12.86	699
	30	1.75	9,254	17.47	922
3	10	2.75	1,615	2.61	176
	15	2.75	3,635	4.93	306
	20	2.75	6,464	7.95	463
	25	2.75	10,100	11.67	651
	30	2.75	14,542	16.09	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	2.91	245
	15	3.75	4,957	5.38	405
	20	3.75	8,814	8.54	596
	25	3.75	13,772	12.40	815
	30	3.75	19,830	17.00	1,060
5	10	4.75	2,790	3.20	267
	15	4.75	6,279	5.82	438
	20	4.75	11,164	9.13	639
	25	4.75	17,444	13.14	869
	30	4.75	25,118	17.85	1,124

① FOOTING HAS BEEN ADDED.

② WEIGHT OF #3 REBAR (3/8" DIAM.) IS 0.376 LB/FT.

Job Class ()



Natural Resources Conservation Service
United States Department of Agriculture

Cover Sheet
Location Map, Index, Notes

Designed _____
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File Name