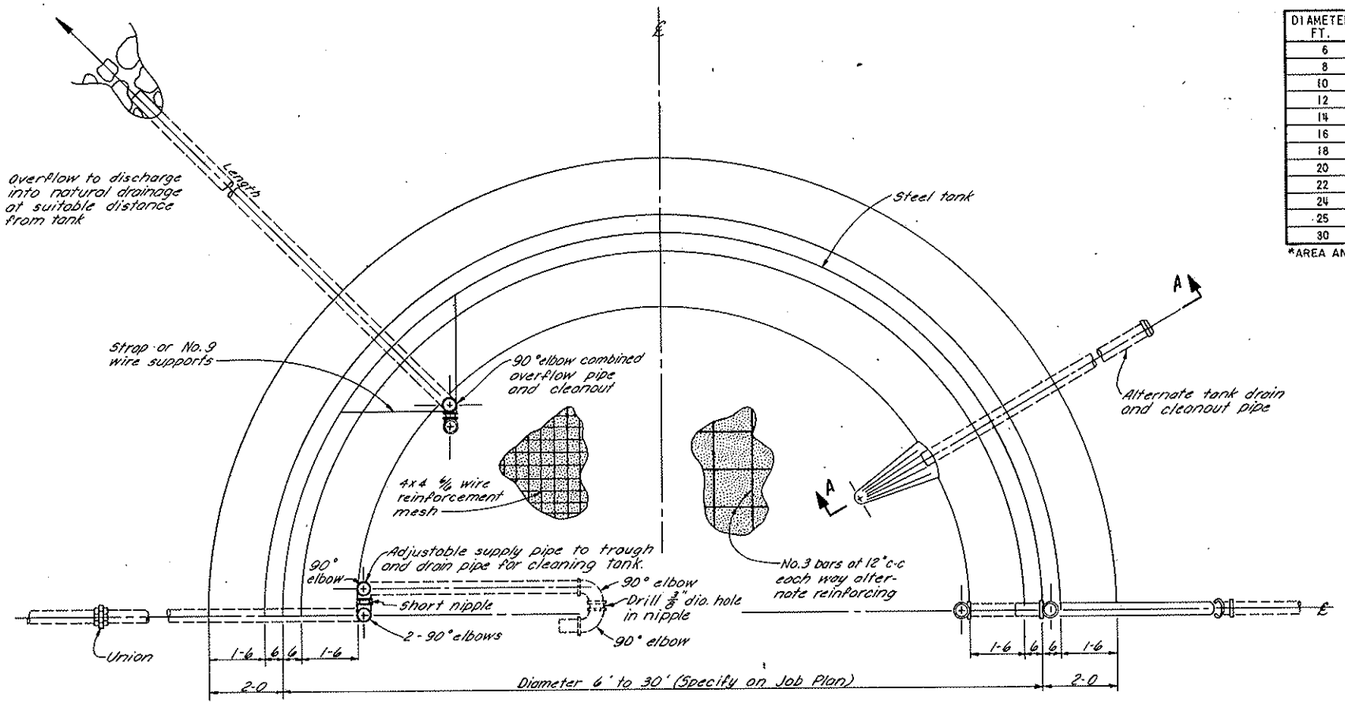
TABLE OF QUANTITIES

DIAMETER FT.	CONCRETE CU. YD.	#3 REINFORCING BAR LIN. FT.	#3 REINFORCING BAR LB.	WIRE MESH 4 X 4 6/6* SQ. FT.	WIRE MESH 4 X 4 6/6* LB.	VOLUME AT OVERFLOW (GAL.) SEE NOTE 11.
6	1.8	144-0	54	70.9	44	311
8	2.6	210-0	79	103.9	64	575
10	3.3	289-0	109	143.1	89	924
12	4.2	380-3	143	188.7	117	1,357
14	5.2	484-0	182	240.5	149	1,873
16	6.2	600-6	226	298.7	185	2,474
18	7.3	744-6	280	363.1	225	3,158
20	8.4	893-6	336	433.7	269	3,927
22	9.7	1,055-0	397	510.7	317	4,779
24	11.0	1,225-6	461	594.0	368	5,716
25	11.7	1,319-3	496	637.9	395	6,216
30	15.5	1,815-9	683	881.4	546	9,028

*AREA AND WEIGHT DOES NOT INCLUDE OVERLAP

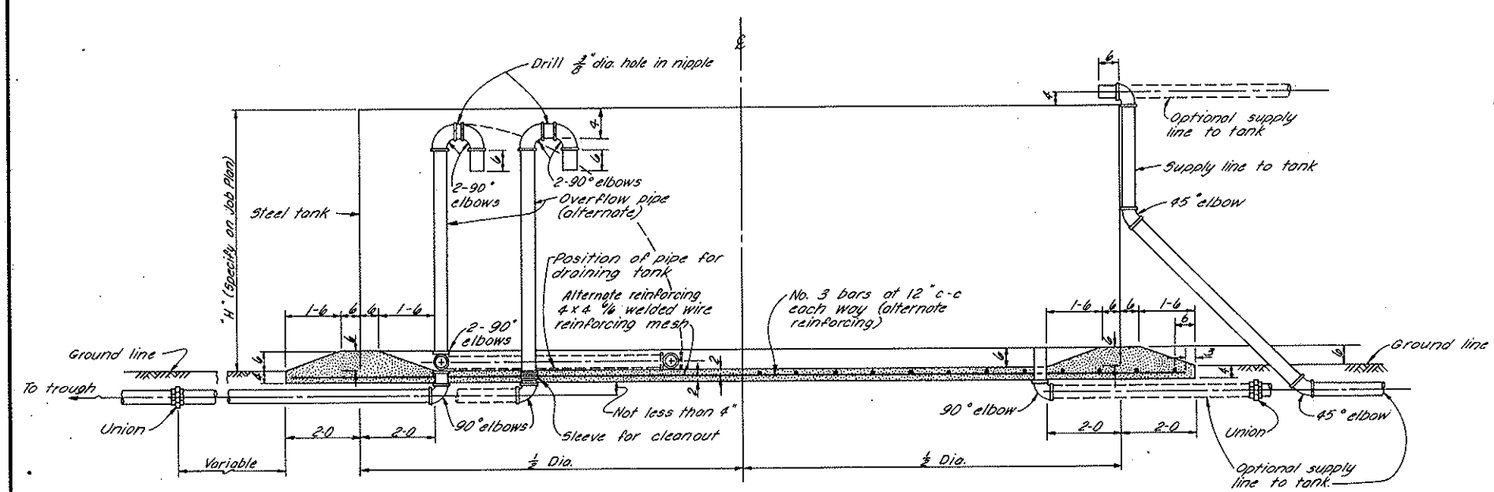


PLAN VIEW

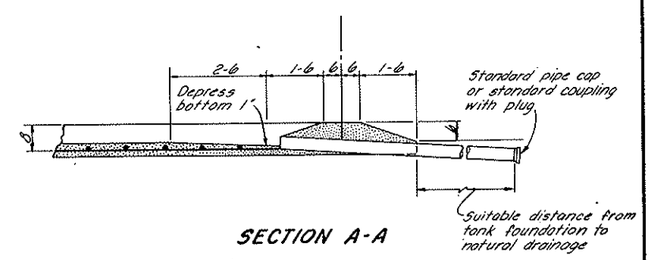
NOTES:

1. USE EITHER WIRE MESH OR #3 REINFORCING BARS.
2. MINIMUM GAGES FOR STEEL TANKS:
   6' - 10' DIAMETER - 18 GAGE
   12' - 20' DIAMETER - 16 GAGE
   22' + DIAMETER - 14 GAGE
3. DESIGN SUPPLY LINE TO MEET WATER SOURCE REQUIREMENTS.
4. SET SWING JOINT OF TROUGH SUPPLY LINE SO THAT PIPE CAN BE SWUNG FLAT ON FLOOR TO DRAIN TANK.
5. ALL PIPES AND FITTINGS TO BE GALVANIZED IRON.
6. OVERFLOW PIPE AND CLEANOUT MAY BE MOVED TOWARD THE CENTER OF TANK IF DESIRED.
7. CROSS OUT OPTIONS NOT USED.
8. TRANSFER DIMENSIONS AND QUANTITIES TO JOB PLAN.
9. MINIMUM SIZE OF OVERFLOW PIPE SHALL BE 1 1/2" DIA.
10. FOR SUBBASE PREPARATION SEE TECHNICAL GUIDE TROUGH AND TANK NO. 614.
11. VOLUME AT OVERFLOW COMPUTED USING STANDARD WIDTH CORRUGATED METAL SHEET 25 1/2".

APPLICABLE SOUTH DAKOTA CONSTRUCTION AND MATERIAL SPECIFICATIONS
SEE SOUTH DAKOTA SPECIFICATION GUIDE TROUGH AND TANK NO. 614



CROSS SECTION



SECTION A-A

Rev. 9/80

STEEL RIM STORAGE TANK WITH CONCRETE BASE

SOUTH DAKOTA GUIDE PLAN NO. 14.1

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

	Date		
Designed		Approved by	
Drawn		Title	
Traced		Title	
Checked		Sheet No. of	Drawing No.

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