

Design Assumptions for
Nebraska Base Drawing NE200-10-004
Steel Rim Storage Tank, Details of Foundation and Piping

Revised: 9/07 Replaces: 5, E-15638

Steel Rim Storage Tank, Details of Foundation and Piping

Use 20 gauge or heavier for galvanized steel tanks.

Instructions for
Nebraska Base Drawing NE200-10-004
Steel Rim Storage Tank, Details of Foundation and Piping

Fill in the following data fields to automatically fill in the necessary data fields on the drawing.

Title block

Title line(s)

Subtitle line

County, State

Sheet number of

Who / When

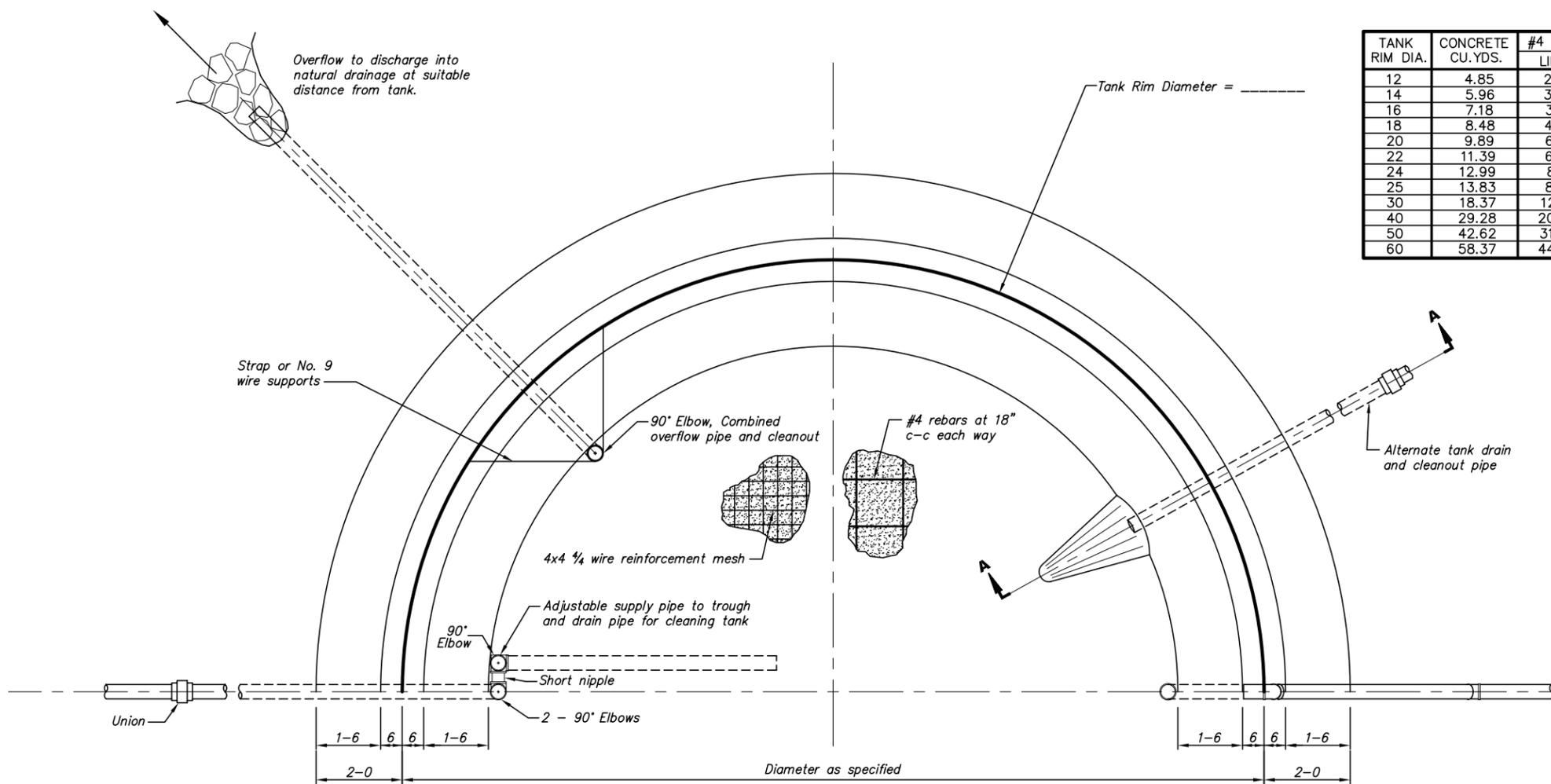
Designed

Drawn

Checked

BILL OF MATERIALS

TANK RIM DIA.	CONCRETE CU.YDS.	#4 STEEL REINF. BARS LIN.FT.	LBS.	WELDED WIRE REINF. MESH SF 4 x 4 4/4	LBS.	VOL. @ 24" HIGH GALLONS
12	4.85	251.4	167.9	221	188	1254
14	5.96	324.5	216.8	280	238	1734
16	7.18	389.2	260.0	346	294	2292
18	8.48	498.8	333.2	418	355	2929
20	9.89	602.7	402.6	498	423	3643
22	11.39	695.7	464.7	584	496	4437
24	12.99	821.7	548.9	677	576	5308
25	13.83	874.7	584.3	727	618	5773
30	18.37	1219.9	814.9	999	849	8392
40	29.28	2063.2	1378.2	1673	1422	15099
50	42.62	3149.0	2103.5	2519	2141	23765
60	58.37	4437.2	2964.0	3539	3008	34389



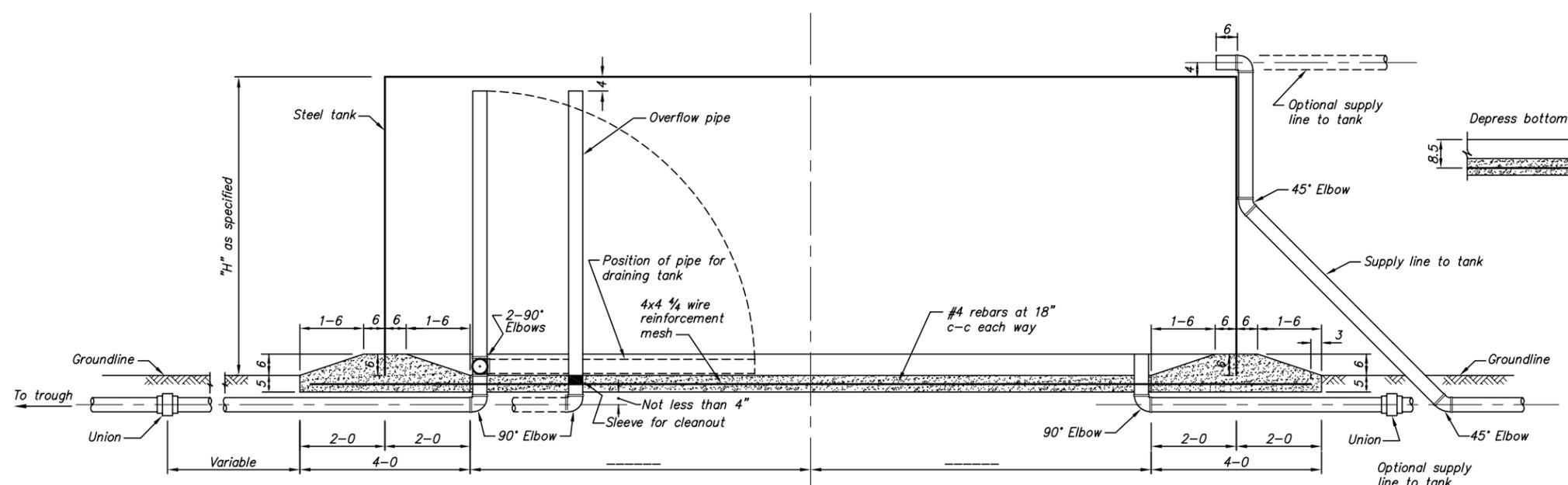
PLAN

NOTES:

1. USE EITHER WIRE MESH OR #4 REINFORCING BARS.
2. MINIMUM SPLICE LENGTH FOR WIRE MESH OR #4 REINFORCING BARS IS 12 INCHES.
3. DIAMETER OF TANKS ARE ONLY APPROXIMATE AS MANUFACTURER'S SIZES VARY.
4. USE 20 GA. OR HEAVIER FOR GALVANIZED STEEL TANKS.
5. VOLUMES CALCULATED TO THE OVERFLOW DEPTH.

NOTE:

ALL CONCRETE SHALL BE 3000 P.S.I. AT 28 DAY TEST.
 SET SWING JOINT OF TROUGH SUPPLY LINE SO THAT PIPE CAN BE SWUNG FLAT ON FLOOR TO DRAIN TANK.
 DIMENSIONS OPTIONAL TO SUIT SPECIFIC INSTALLATION.
 OVER-FLOW PIPE AND CLEAN-OUT MAY BE MOVED TOWARD THE CENTER OF TANK IF DESIRED.



CROSS - SECTION

SECTION A-A

**STEEL RIM STORAGE TANK
 DETAILS OF FOUNDATION
 AND PIPING**

Nebraska Standard Drawing
 NE200-10-004 Revised 9/07 Replaces 5, E-15638

Date _____
 Designed _____
 Drawn _____
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File No. _____
 CAD Dwg. NE200-10-004.dwg
 Sheet _____ of _____