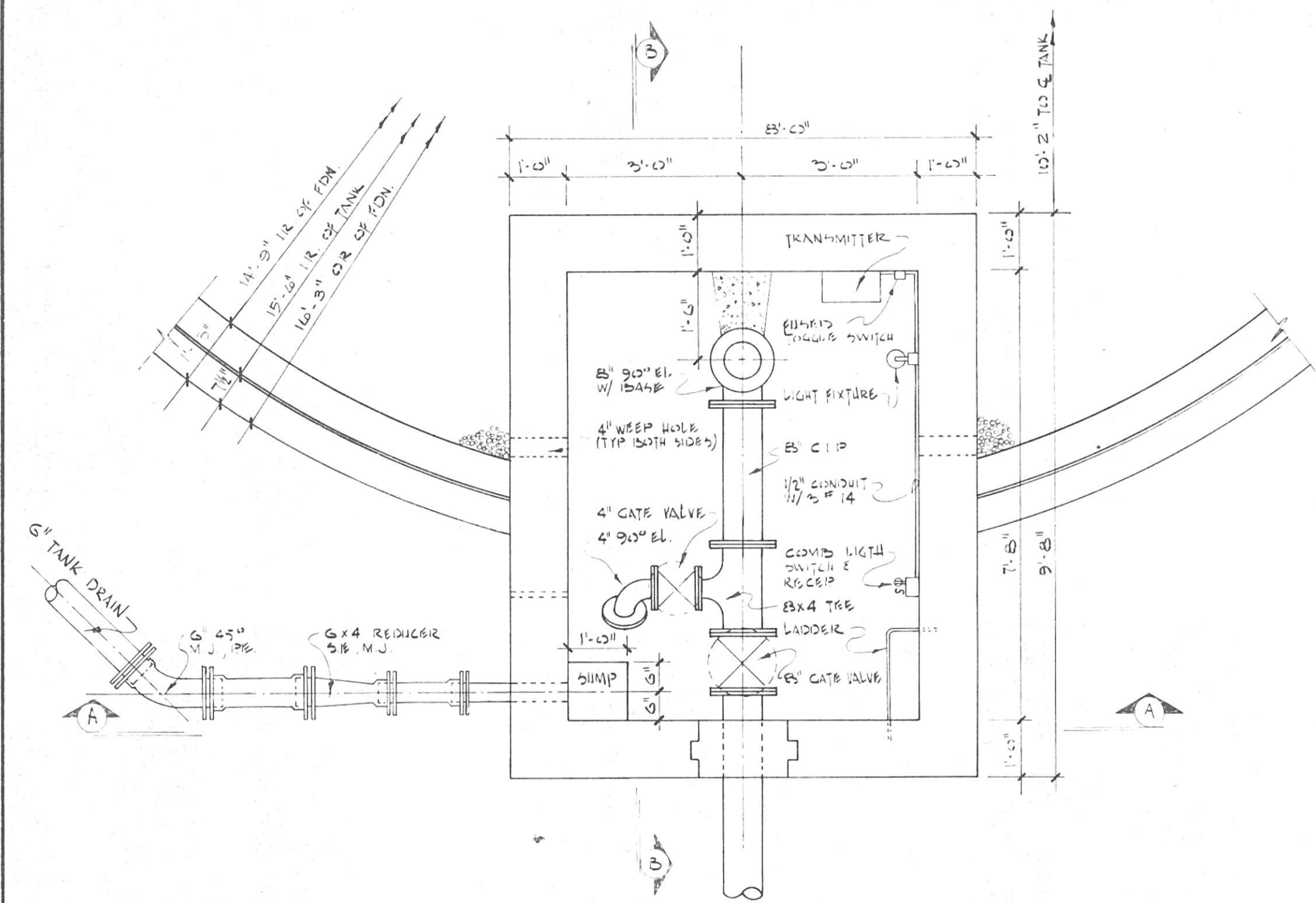
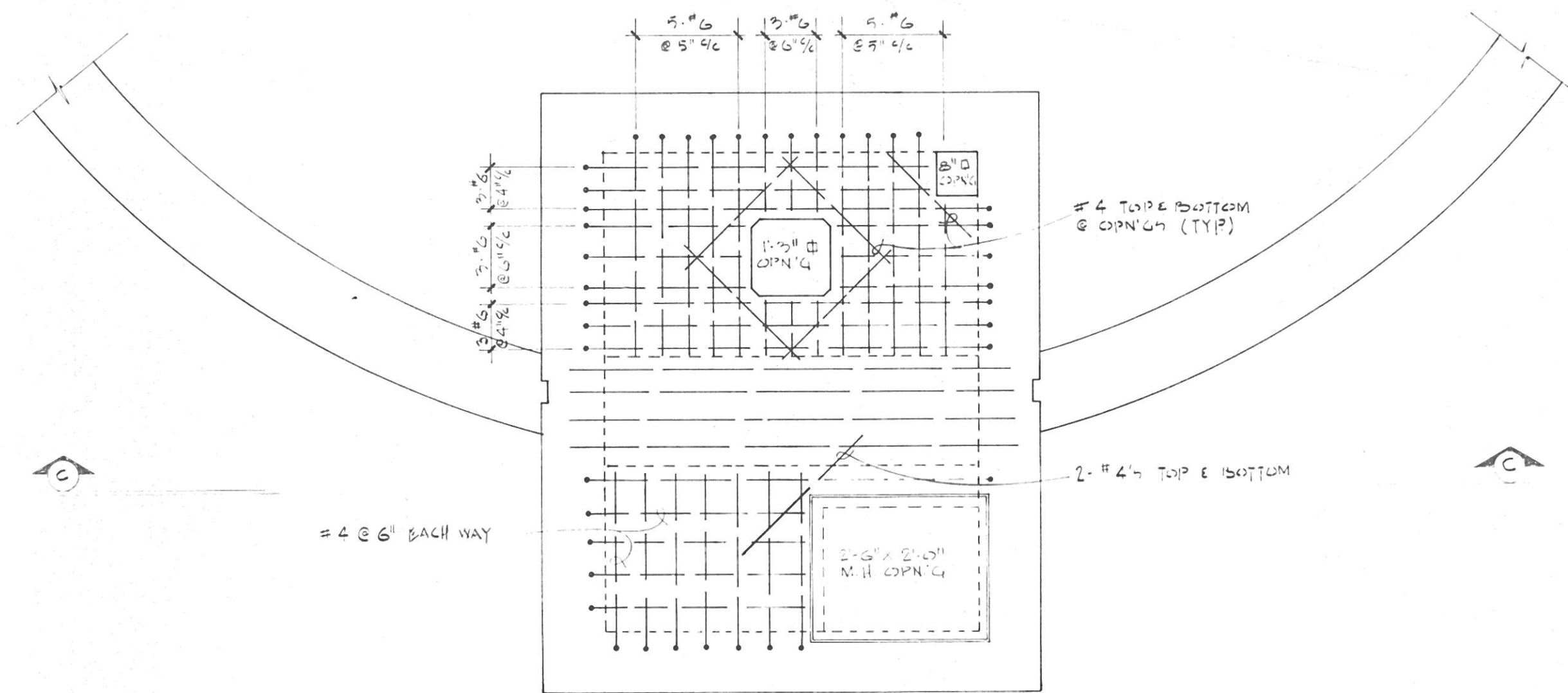
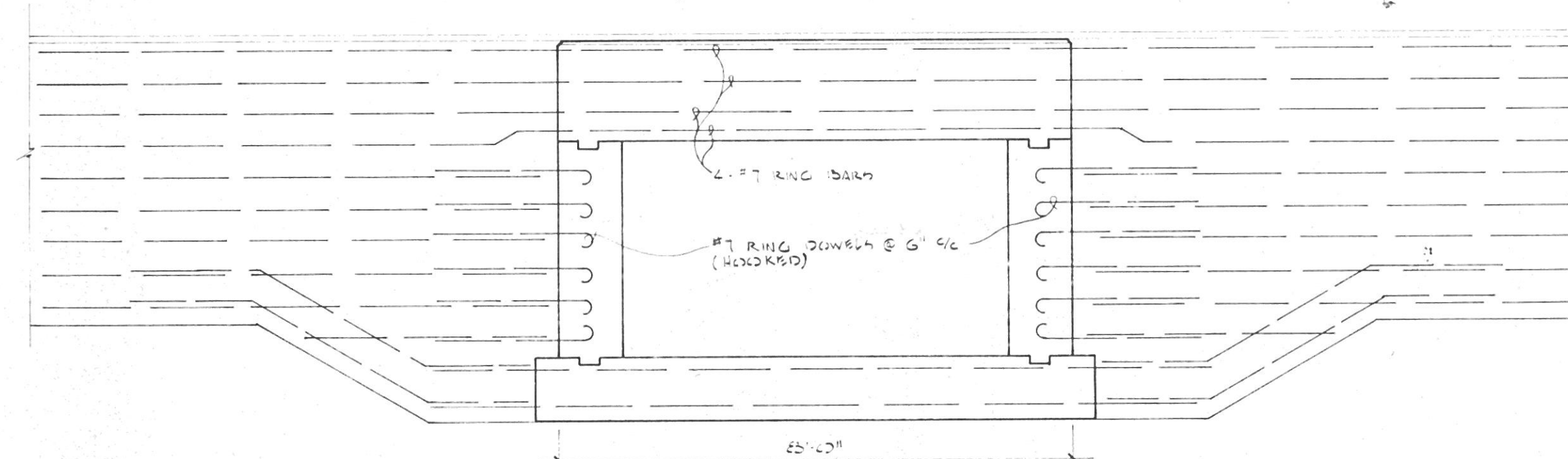




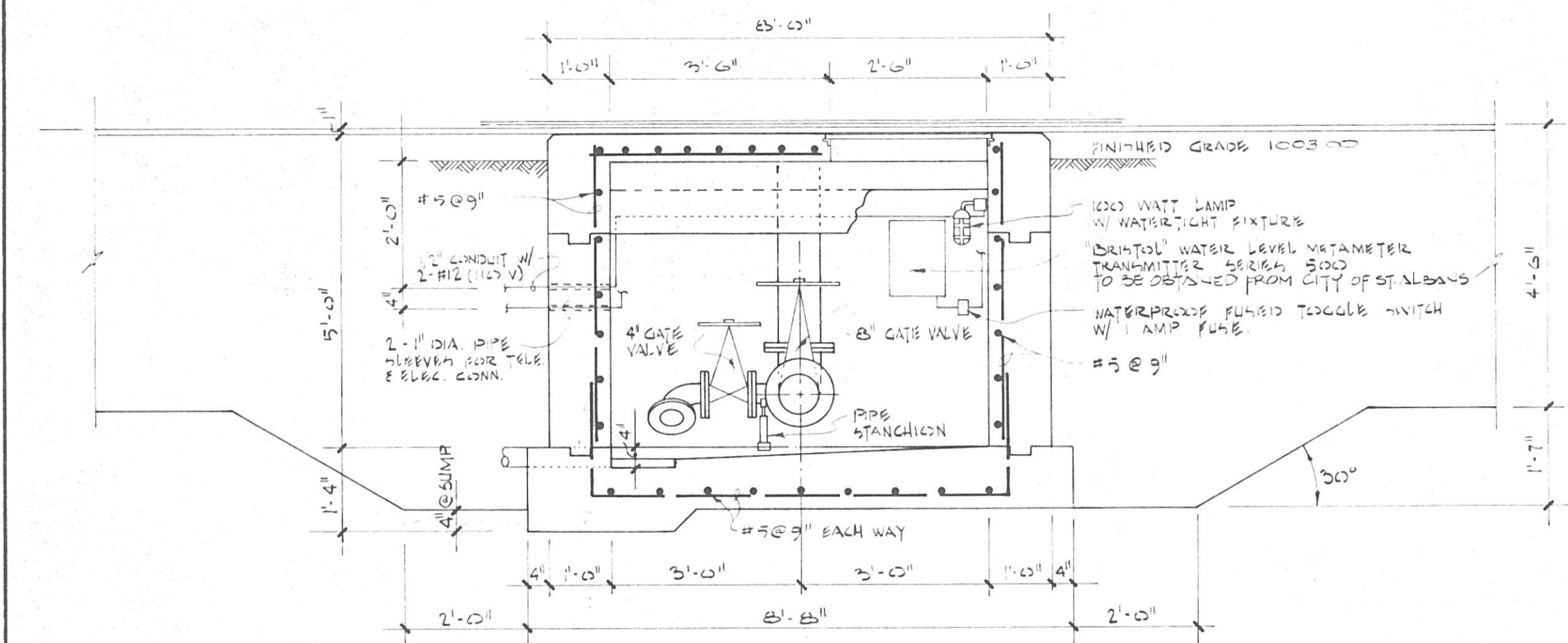
PLAN OF TANK VAULT
SCALE 1/2" = 1'-0"



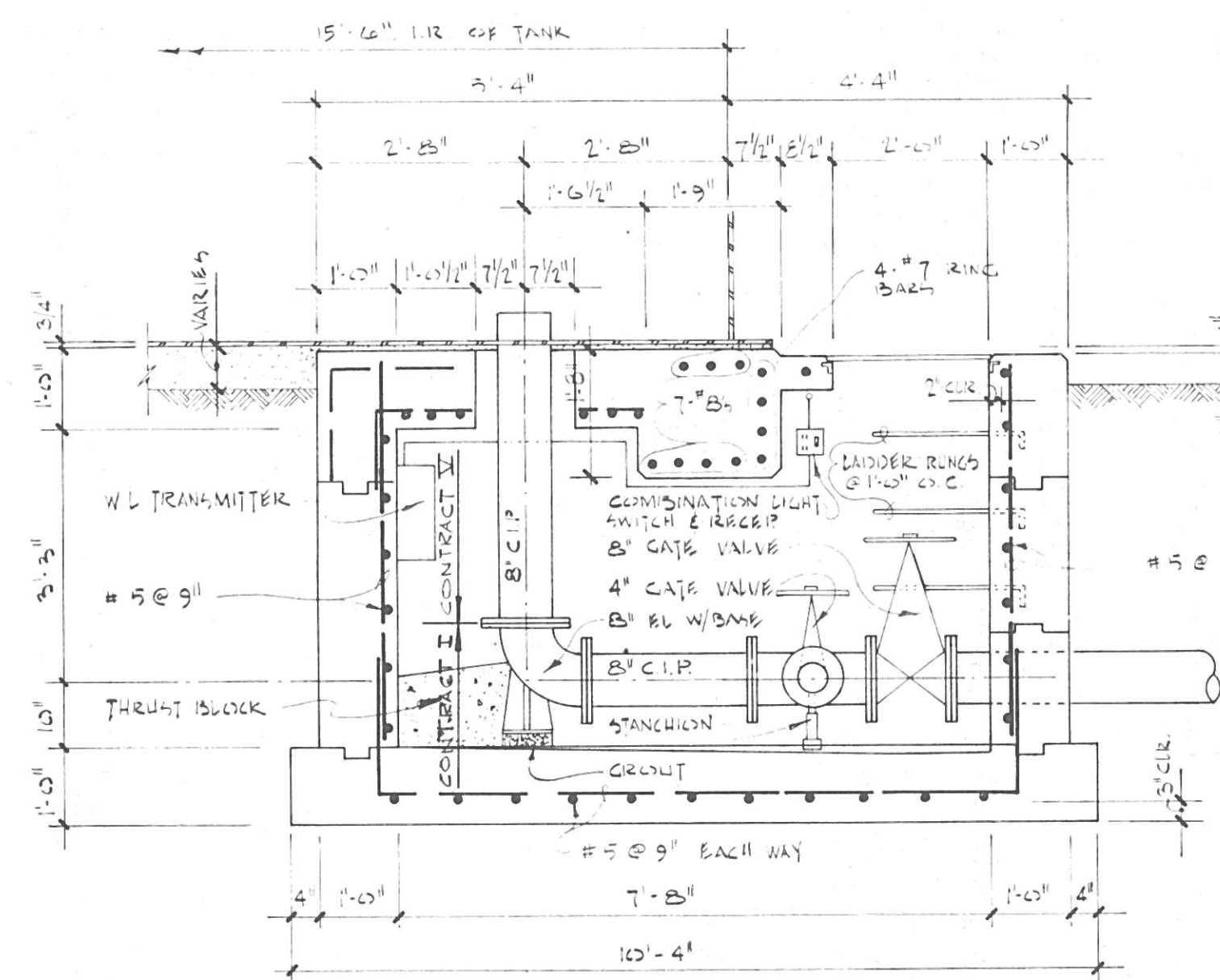
VAULT TOP SLAB PLAN
SCALE 1/2" = 1'-0"



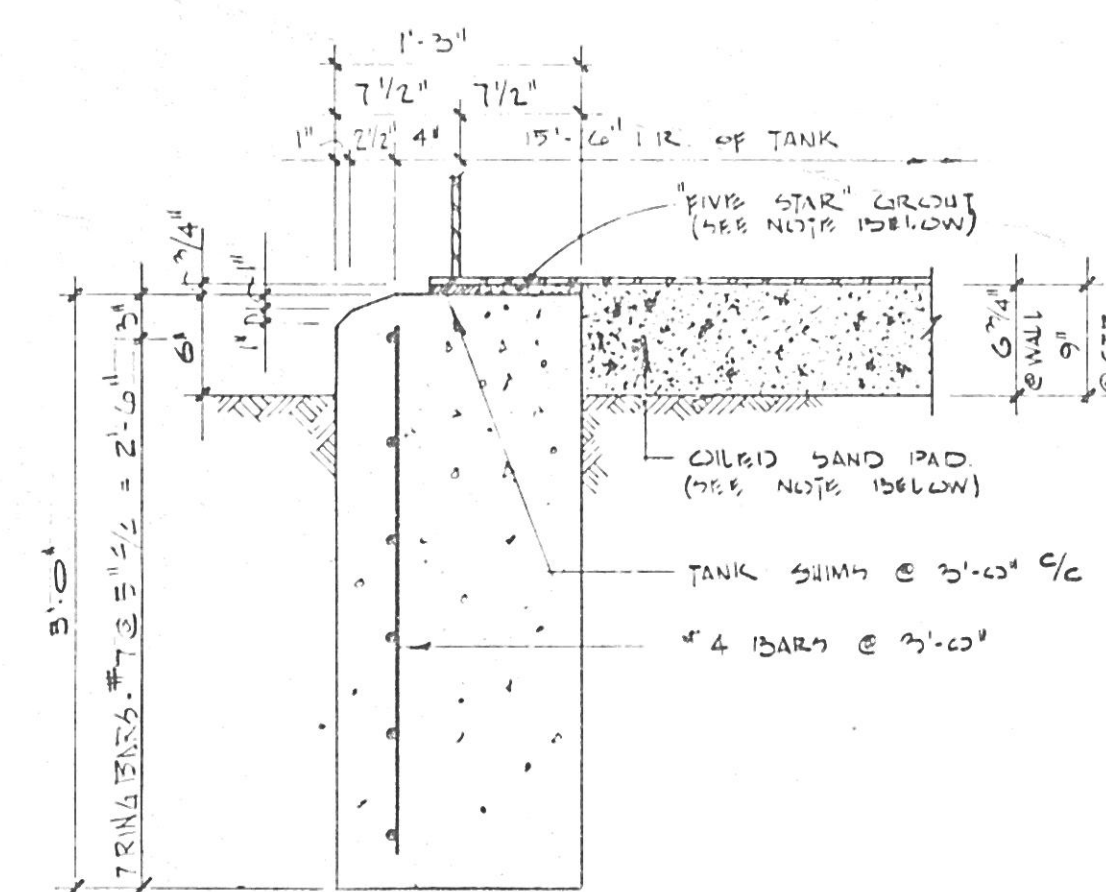
SECTION C-C
SCALE 1/2" = 1'-0"



SECTION A-A
SCALE 1/2" = 1'-0"



SECTION B-B
SCALE 1/2" = 1'-0"



RING WALL SECTION (TYP.)
SCALE 1" = 1'-0"

PROPOSED 265,000 GALLON TANK

- (1) Roof Type - Self Supporting Ellipsoidal Roof.
- (2) 1/4" Minimum, Lapwelded Bottom Plate.
- (3) Knuckle Transition From Shell to Ellipse, to be 1/4" Minimum and Buttwelded in Area Filled With Water.
- (4) 3/16" Minimum Roof Thickness for Areas Not In Contact With Water.
- (5) Provide 1/16" Corrosion Allowance Applied To The Design Thickness For All Parts In Contact With Water For Base Bid. (AWWA D100-79, Appendix C)
- (6) Appurtenances - See Plan for Orientation:
 - (a) Provide Two 24" Circular Shell Manholes With Davit.
 - (b) Provide Two 24" Square Roof Hatches with 4" Curb, Hinges and Locking Hasp.
 - (c) Provide A Ventilating Finial With Stainless Steel Insect Screen. The Vent Shall be Designed to Provide a Minimum of 450 Square Inches of Free Vent Area. The Overflow Pipe Shall Not Be Considered A Tank Vent.
 - (d) A Tank Ladder Extending Over The Roof Section To The Finial Vent Shall Be Provided On The Outside Of The Tank. Sides Of The Ladder Shall Not Be Less Than 2-1/2" x 3/8" And Rungs Not Less Than 3/4" Round Bars. The Ladder Bottom Shall Be 12 Feet From The Bottom Of The Tank. The Vertical Section Of The Ladder Shall Be Provided With A Standard Saf-T-Notch Climbing Rail Complete With Sleeve and Belt.
 - (e) Details Of The Caulking Ring and Silt Stop Shall Be As Shown On Drawing No. 94310.
 - (f) Details Of The Overflow Shall Be As Shown On Drawing 94310.
- (7) Further Information Is Included In The Specifications.

SAND PAD NOTES

Sand must be clean and free from corrosive elements.
Apply only sufficient "Acid Free" fuel oil to thoroughly wet sand by: (A) Mixing in a concrete mixer; (B) Windrowing by grader or hand.
Install sand pad just prior to tank arrival as directed by Engineer.
Net quantity of sand required is approximately 17 cubic yards.
Crown sand at center of tank at a depth of 9".
Allow 2 gallons of fuel oil per cubic yard of sand.

GROUTING NOTES

Grout to be installed after tank is erected and filled with water.
Grout to be "cristex" grout, as manufactured by L&M Chemical Company.

RING WALL NOTES

Top surface of ring wall must be level within $\pm 1/8"$ (1/4" maximum difference) within any 31' x 0" of arc and with $\pm 1/4"$ (1/2" maximum difference) around periphery.
Shims 3" x 3/4" thick steel to be placed around periphery at 3'-0" c/c by tank contractor.

8		KELLEY, GIDLEY, BLAIR & WOLFE, INC. CONSULTING ENGINEERS CHARLESTON, WEST VIRGINIA			
7					
6		CITY OF ST. ALBANS			
5		KANAWHA COUNTY WEST VIRGINIA			
4		265,000 GALLON TANK			
3		FOUNDATION, PIPING,			
2		REINFORCING & MISC. DETAILS			
1		DRAWN	CHECKED	PROJECT	DATE
		JRS	DAW	93400	NOV. 82
NO.	DATE	DRAWN	APPROVED	DRAWING NO.	
			HRC		
REVISIONS		DRAWN	SCALE		
			AS SHOWN		

93405