

ADDENDUM NO. 4  
WATER SYSTEM IMPROVEMENTS  
CONTRACT 18-01  
GREENWAY BOULEVARD AND BACK VALLEY ROAD WATER LINE EXTENSIONS  
CONTRACT 18-02  
INDUSTRIAL PARK 500,000 GALLON ELEVATED WATER STORAGE TANK  
DAYTON, TENNESSEE  
WAUFORD PROJECT NO. 4630

Date of Addendum: June 3, 2019

**Bid Opening: June 11, 2019**

1. Bid Form, Pages BF-6:

Delete Item 12 from the Bid Form due to duplication of Item 10.

2. Detailed Specifications, Section 5. Industrial Park 500,000 Gallon Elevated Water Storage Tank, Contract 18-02, Paragraph 1. Scope, Page DS 5-1:

Modify the paragraph as follows:

“The work to be accomplished under this section of the Detailed Specifications includes furnishing all materials and equipment and performing all labor necessary for the design and construction of a new welded steel elevated water storage tank for Contract 18-02 – Industrial Park 500,000 Gallon Elevated Water Storage Tank, complete with all appurtenances, including piping as described and shown on the Plans. The tank shall have an outside diameter of approximately **50'-0”** and a side wall height of **34'** from the bottom of the tank bowl to the overflow elevation of 1077.5 MSL. The height from the top of the foundation to the overflow shall be 153 feet.”

3. Plans, Sheet 9:

Revise as shown on attached Plans, Sheet 9.

4. Plans, Sheet 10:

Revise as shown on attached Plans, Sheet 10.

5. Questions and Clarifications:

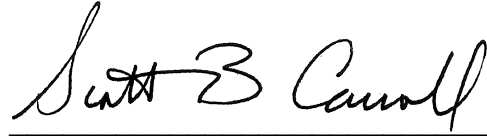
See attached Questions and Clarifications Sheet.

# WAUFORD

J. R. Wauford & Company, Consulting Engineers, Inc.

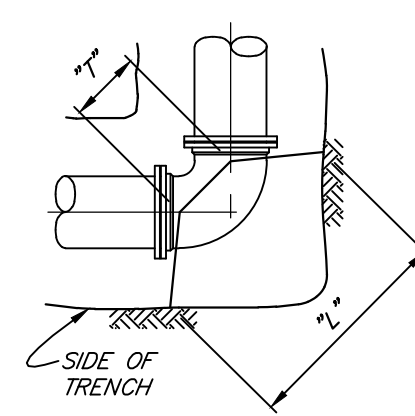
Page 2 of 2

J. R. WAUFORD & COMPANY,  
CONSULTING ENGINEERS, INC.

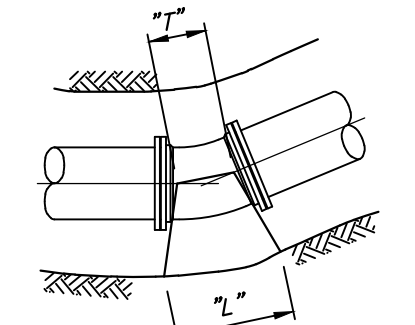
A handwritten signature in black ink that reads "Scott B. Carroll". The signature is written in a cursive style with a large, stylized "S" and "C".

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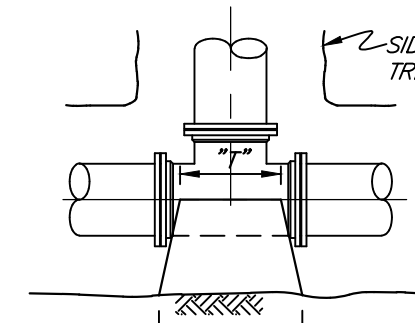
Scott B. Carroll, P.E.  
Tennessee License No. 116799



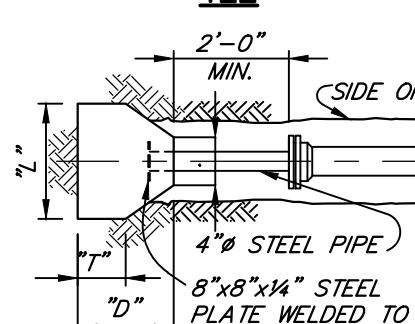
90° BEND



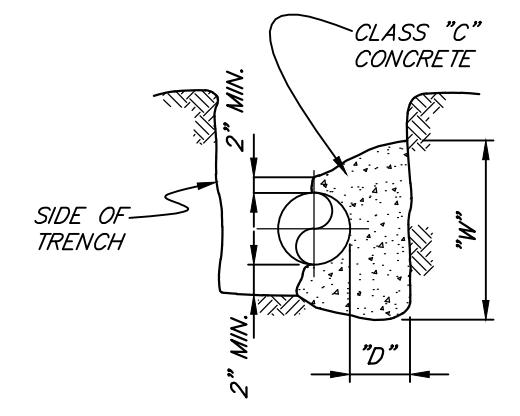
45° 22 1/2" & 11 1/4" BENDS



TEE



PLUG



TYPICAL SECTION

SOIL BEARING PRESSURE = 3000 PSF  
TEST PRESSURE = 200 PSI

90° BEND	
SIZE	6" 8"
D	14 16
L	26 38
W	28 38
T	8 10

45° BEND	
SIZE	6" 8"
D	10 12
L	21 28
W	21 28
T	6 8

22 1/2" & 11 1/4" BENDS	
SIZE	6" 8"
D	8 10
L	15 20
W	15 20
T	6 9

TEE	
SIZE	6" 8"
D	12 14
L	24 27
W	24 27
T	12 16

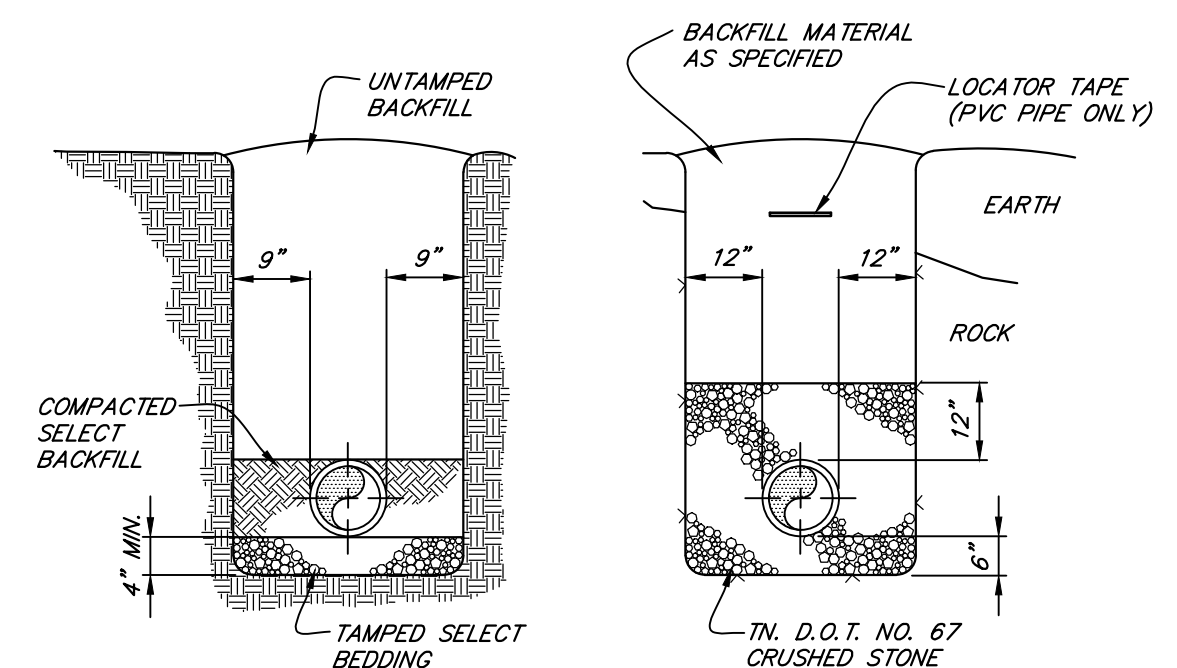
PLUG	
SIZE	6" 8"
D	28 32
L	24 30
W	24 30
T	14 28

DIMENSIONS ARE IN INCHES

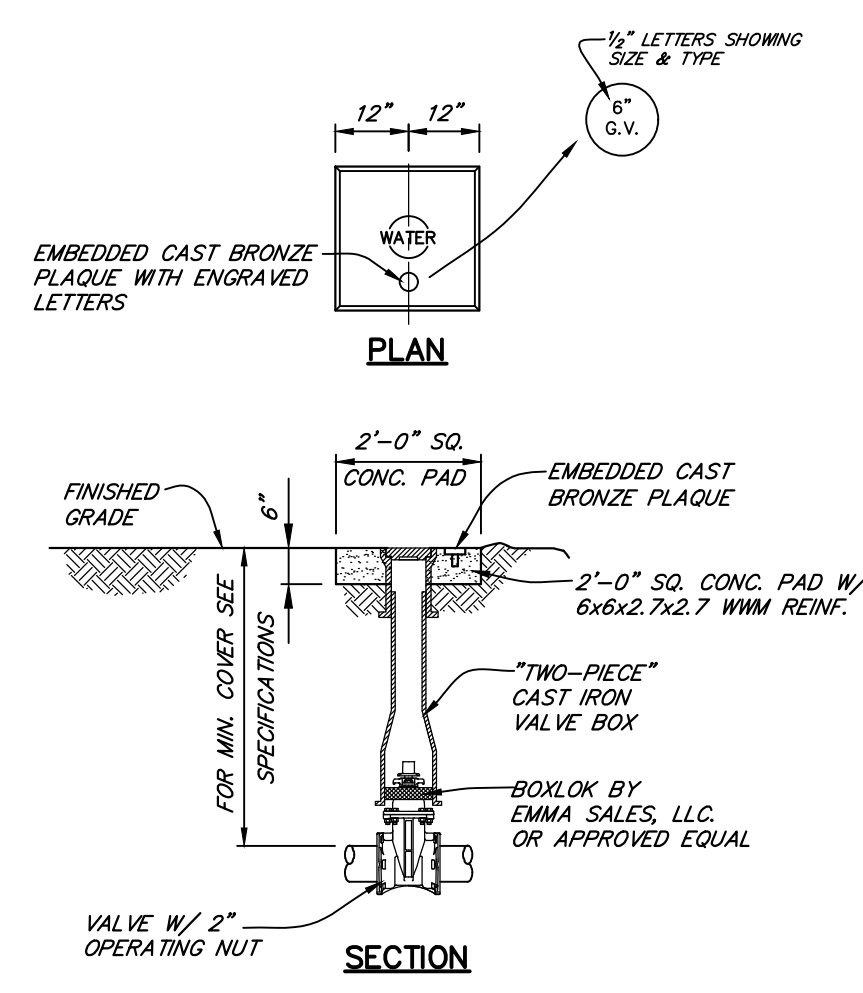
NOTES

- FOR TEE WITH BRANCH UNEQUAL TO RUN, USE TEE TYPE KICKER WITH D, L & W DIMENSIONS THE SAME AS THOSE FOR PLUG WITH SAME DIMENSIONS AS BRANCH OF TEE. SELECT T DIMENSION FROM TEE TABLE UNDER COLUMN HEADED BY THE SIZE OF THE BRANCH.
- IF EXACT SIZE OF PIPE BLOCKING IS NOT SHOWN, USE NEXT LARGER SIZE.
- DIMENSION D MAY BE GREATER THAN SPECIFIED TO ALLOW WORKING SPACE. CONCRETE BLOCKING MUST BE POURED AGAINST UNDISTURBED EARTH.

CONCRETE BLOCKING FOR PIPE (KICKERS)

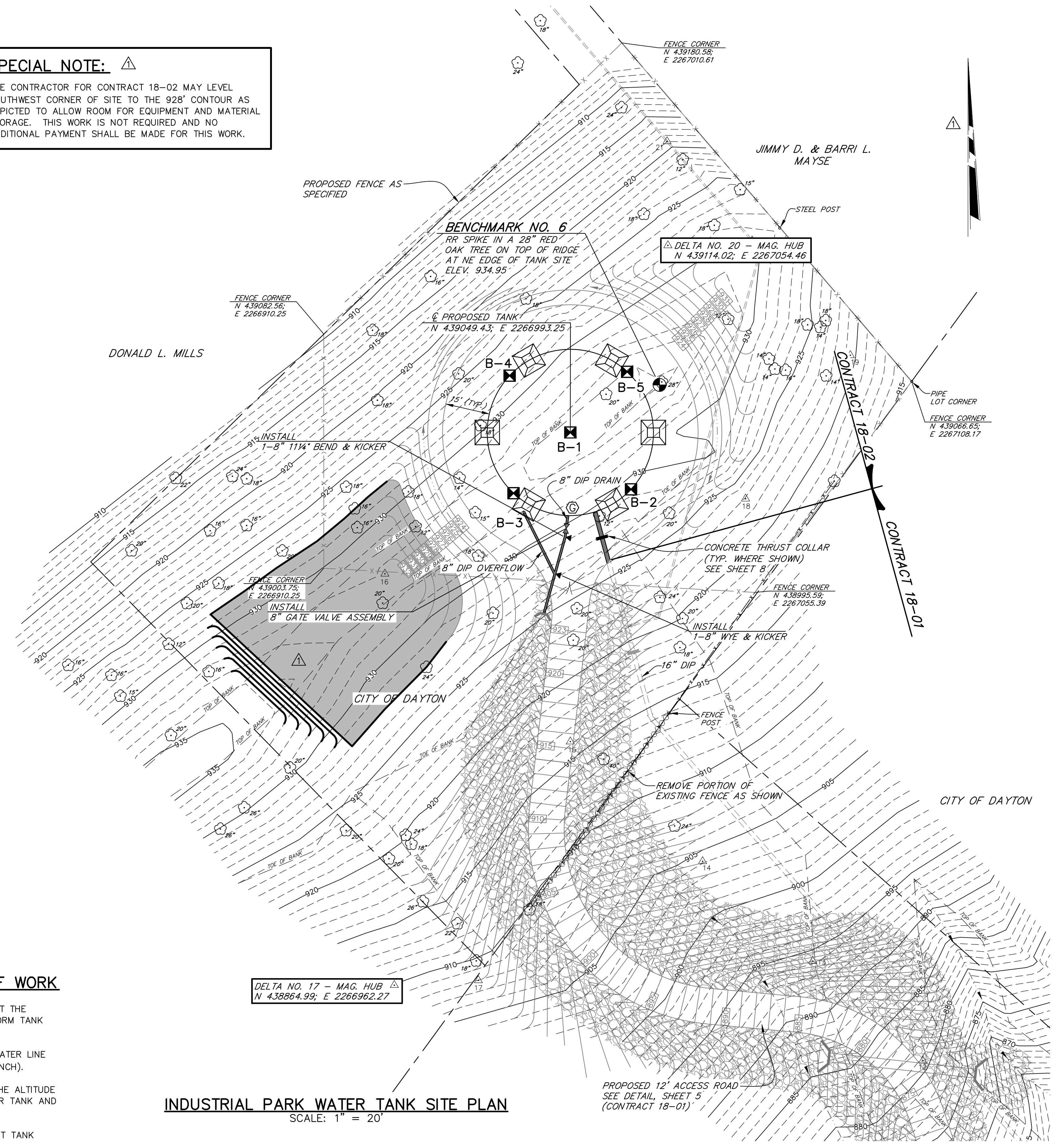


STANDARD WATER LINE BEDDING



TYPICAL LINE VALVE SETTING

**SPECIAL NOTE:** ⚠️  
THE CONTRACTOR FOR CONTRACT 18-02 MAY LEVEL SOUTHWEST CORNER OF SITE TO THE 928' CONTOUR AS DEPICTED TO ALLOW ROOM FOR EQUIPMENT AND MATERIAL STORAGE. THIS WORK IS NOT REQUIRED AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK.

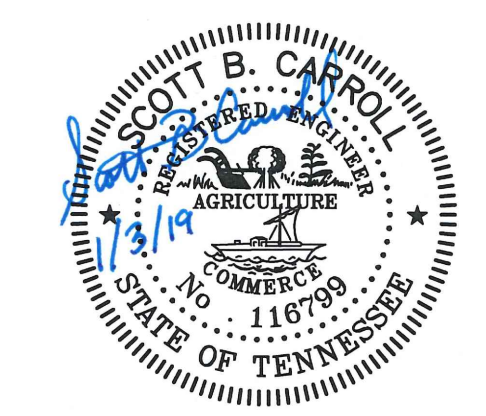


ENGINEER'S ENVISIONED ORDER OF WORK

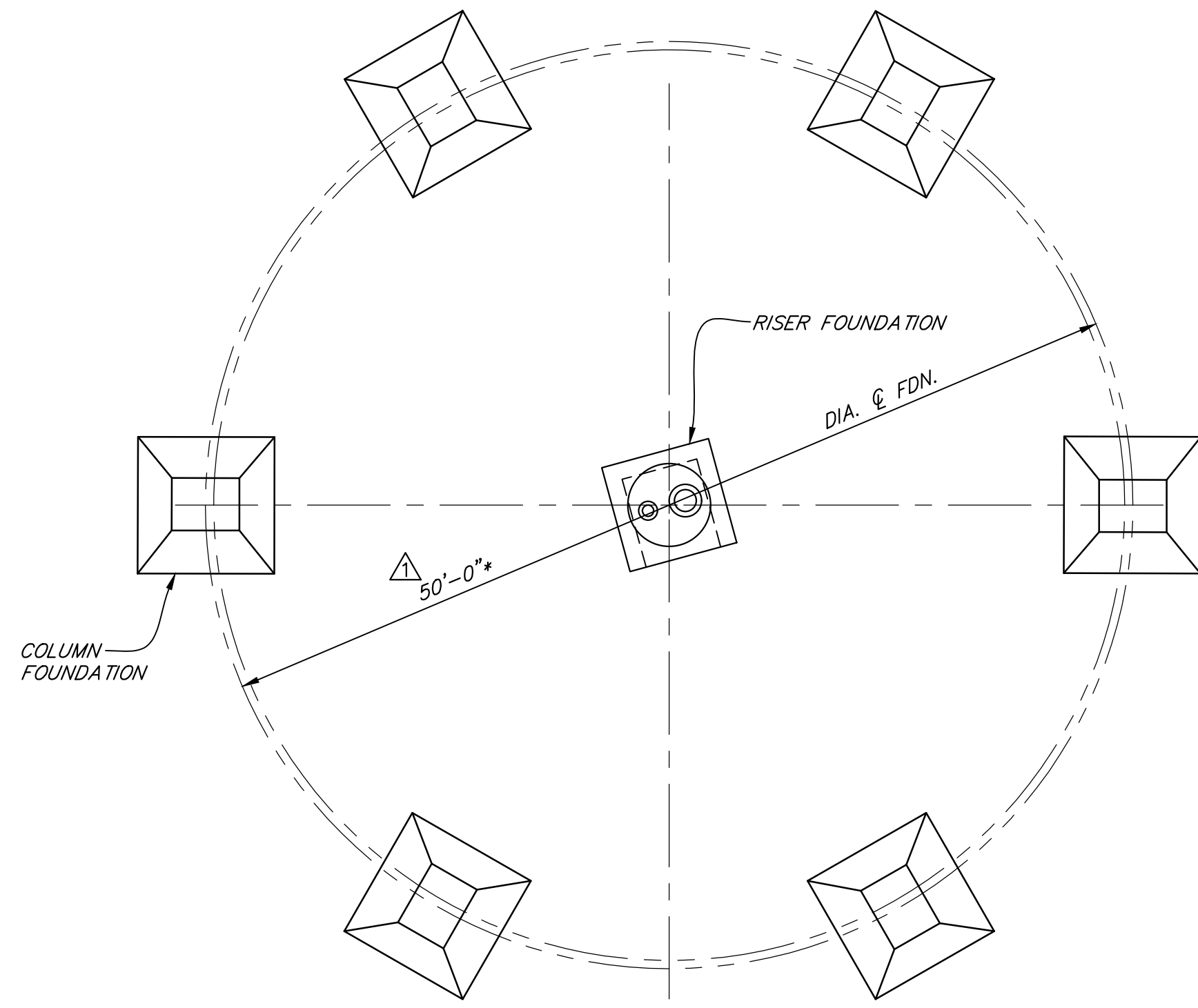
- CONTRACTOR FOR CONTRACT 18-01 SHALL CONSTRUCT THE ACCESS ROAD UP THROUGH GRAVEL BASE AND PERFORM TANK SITE GRADING.
- CONTRACTOR FOR CONTRACT 18-01 SHALL INSTALL WATER LINE TO POINT SHOWN ON PLANS (BOTH 16-INCH AND 6-INCH).
- CONTRACTOR FOR CONTRACT 18-01 SHALL INSTALL THE ALTITUDE VALVE VAULTS FOR THE EXISTING 14TH AVENUE WATER TANK AND THE EXISTING BRYAN COLLEGE WATER TANK.
- CONTRACTOR FOR CONTRACT 18-02 SHALL CONSTRUCT TANK FOUNDATION AND TANK.
- CONTRACTOR FOR CONTRACT 18-01 SHALL INSTALL FENCE, FINAL TANK SITE STABILIZATION AND FINAL ACCESS ROAD PAVING.

CONSTRUCTION NOTES:

- SEE "GENERAL NOTES" AND "LEGEND", SHEET 1.
- ALL MECHANICAL JOINT FITTINGS SHALL UTILIZE MEGALUG RESTRAINT GLANDS BY EBAA IRON OR APPROVED EQUAL IN ADDITION TO CONCRETE KICKERS.



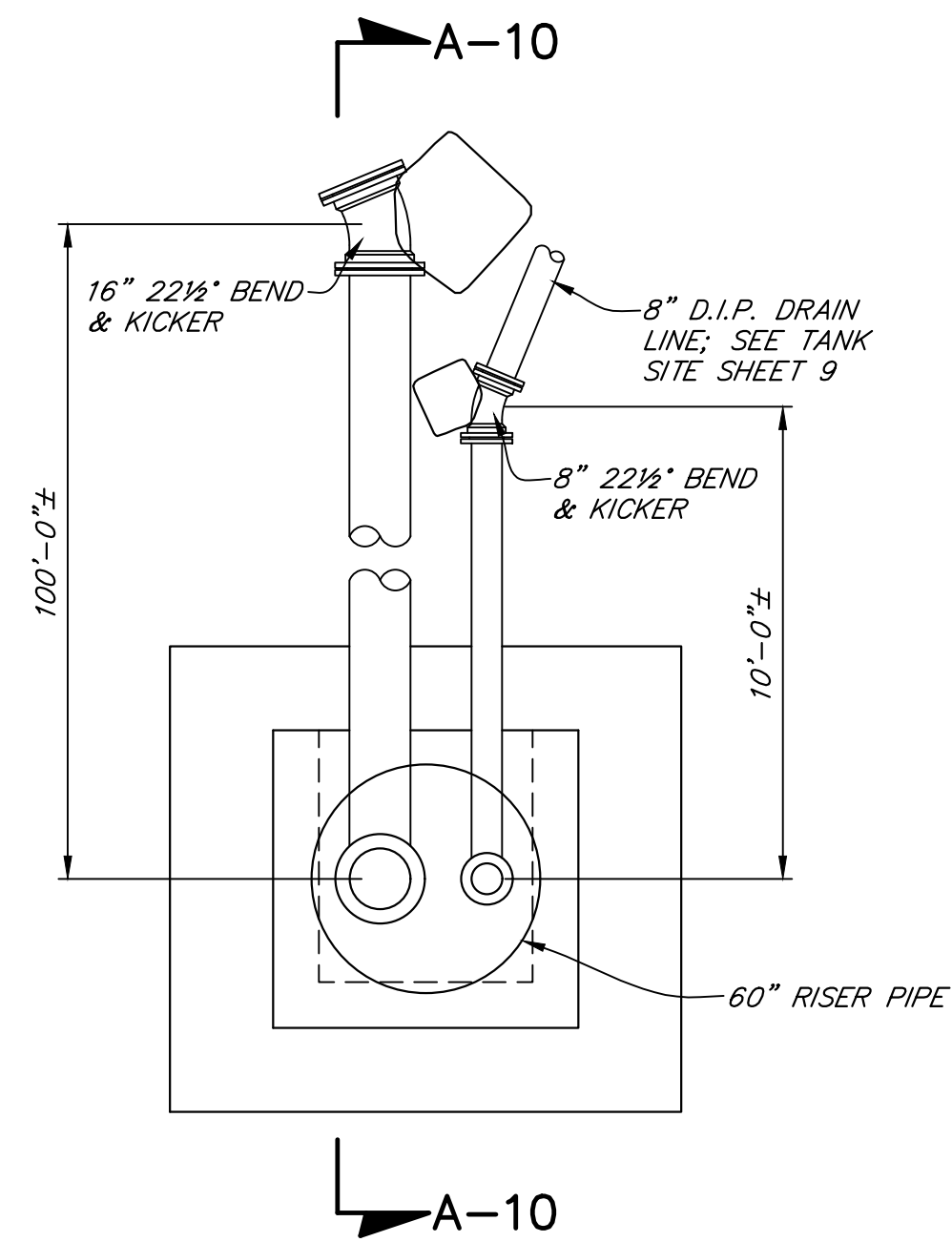
SHEET <b>9</b> OF <b>10</b>		WATER SYSTEM IMPROVEMENTS CONTRACT 18-02 INDUSTRIAL PARK 500,000 GALLON ELEVATED WATER STORAGE TANK	
REVISIONS		DESIGNED SBC	
ADDENDUM NO. 4 5/31/19 RSS		DRAWN RSS	
FOR		CHECKED JGD	
PROJECT NUMBER 4630		DATE NOV. 2018	
AS SHOWN		<p><b>WAUFORD</b></p> <p>J. R. Wauford &amp; Company, Consulting Engineers, Inc. Maryville, Tennessee (865) 984-9638 www.jrwauford.com</p>	
DAYTON, TENNESSEE			



**NEW TANK FOUNDATION PLAN**

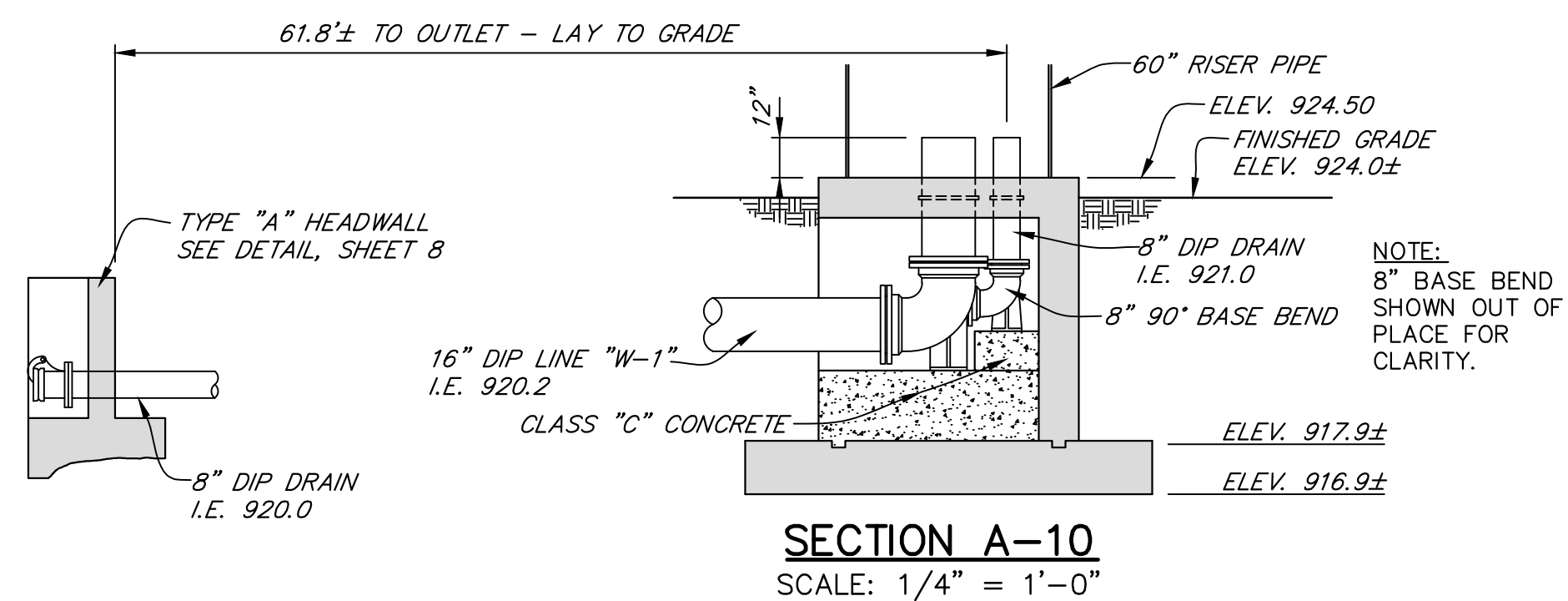
SCALE: 1/8" = 1'-0"

\* DIMENSIONS MAY VARY.



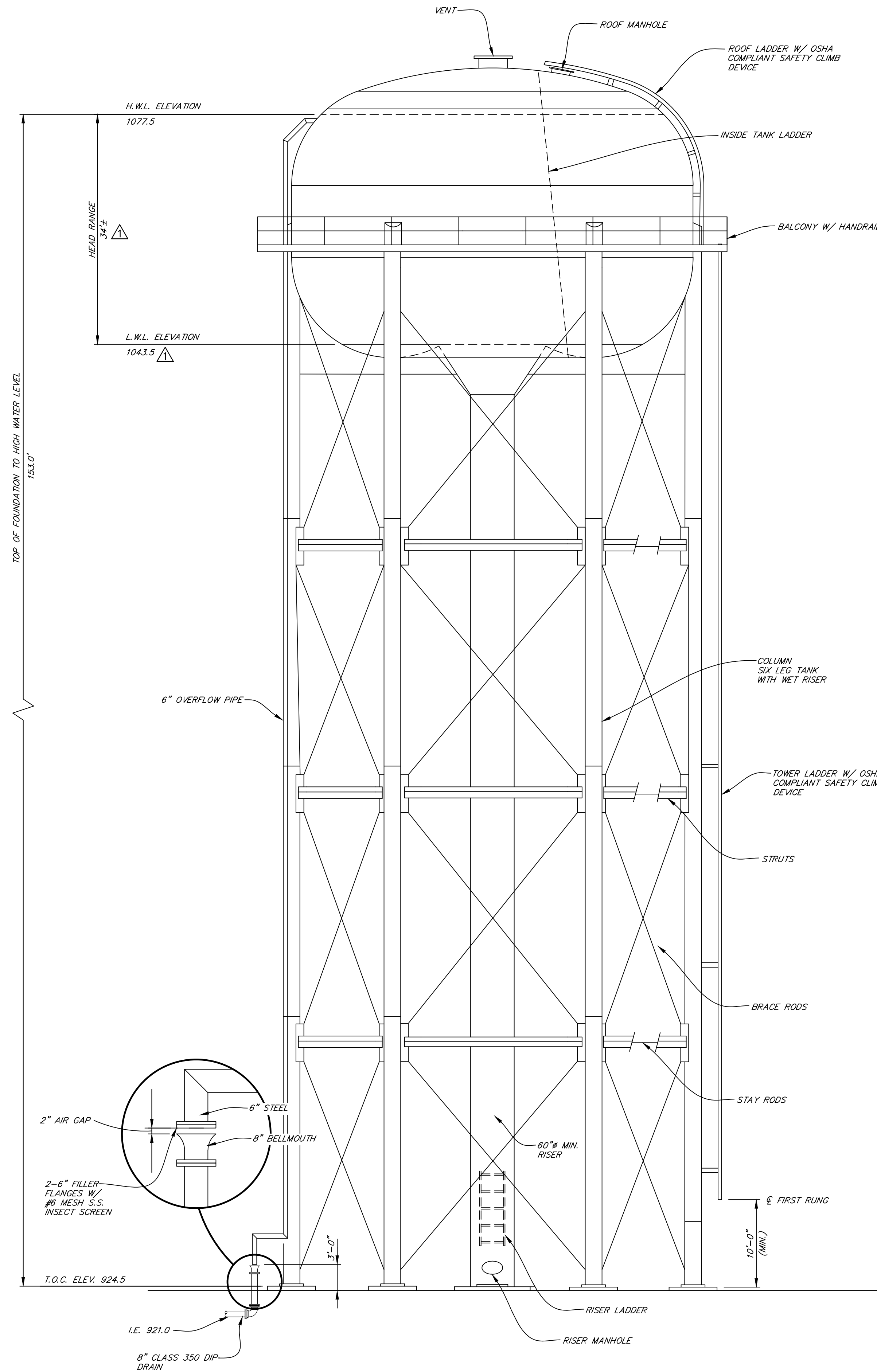
**CENTER PIER PLAN**

SCALE: 1/4" = 1'-0"



**SECTION A-10**

SCALE: 1/4" = 1'-0"

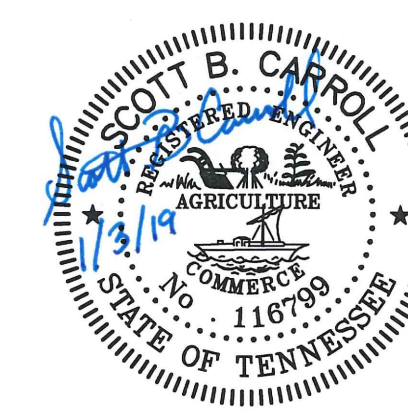


**NEW 500,000 GALLON TANK ELEVATION**

SCALE: 1/8" = 1'-0"

**CONSTRUCTION NOTES:**

1. SEE "GENERAL NOTES" AND "LEGEND", SHEET 1.
2. ALL MECHANICAL JOINT FITTINGS SHALL UTILIZE MEGALUG RESTRAINT GLANDS BY EBAA IRON OR APPROVED EQUAL IN ADDITION TO CONCRETE KICKERS.
3. THE TANK CONTRACTOR IS RESPONSIBLE FOR DESIGN OF THE FOUNDATION INCLUDING DEPTH AND REINFORCING STEEL.



SHEET 10 OF 10		WATER SYSTEM IMPROVEMENTS	
REVISIONS		CONTRACT 18-02 INDUSTRIAL PARK 500,000 GALLON ELEVATED WATER STORAGE TANK	
ADDENDUM NO. 4 5/31/19 RSS		<b>PROPOSED 500,000 GALLON ELEVATED WATER STORAGE TANK</b>	
		FOR DAYTON, TENNESSEE	
SCALE AS SHOWN	DATE	<b>WAUFORD</b> J. R. Wauford & Company, Consulting Engineers, Inc. Maryville, Tennessee (865) 984-9638 www.jrwauford.com	DESIGNED SBC
PROJECT NUMBER 4630	NOV. 2018		DRAWN RSS
			CHECKED JGD

ADDENDUM NO. 4  
WATER SYSTEM IMPROVEMENTS  
CONTRACT 18-01  
GREENWAY BOULEVARD AND BACK VALLEY ROAD WATER LINE EXTENSIONS  
CONTRACT 18-02  
INDUSTRIAL PARK 500,000 GALLON ELEVATED WATER STORAGE TANK  
DAYTON, TENNESSEE  
WAUFORD PROJECT NO. 4630

Questions/Answers and Clarifications:

1. Is the contractor required to haul off dirt, and if so does the City of Dayton have a place nearby to put it?  
**The contractor is required to haul off all dirt removed from the existing site. The City of Dayton will need to be contacted to determine a suitable location for fill material prior to placement.**
2. The time of completion is shorter for the pipe contractor than for the tank contractor. Since the final tie-in and roadway paving is the responsibility of the pipe contractor, can these completion times be adjusted?  
**Yes.**
3. Item 16 in the Bid Form is for 2,100 S.Y. of rip-rap. Item 17 in the Bid Form calls for rip-rap included in the price of the roadway installation. Does the quantity of Rip-Rap for Item 16 include Rip-Rap for the roadway?  
**No. Rip-Rap in Item 16 covers the waterline construction within the existing Rip-Rap ditches. The Rip-Rap included in Item 17 is lump sum and should be included in the price of building the roadway.**
4. Is this a Buy American or American Iron and Steel project?  
**No.**
5. The specifications call out a non-typical tank dimension. Please verify?  
**The tank dimensions shall be 50' diameter with 34' head range.**