Procurement #: 40527>

CITY OF PROVIDENCE, RHODE ISLAND

Department: Providence Water

RFP Title: WESTERN JOHNSTON HIGH SERVICE EXPANSION (Water Tank) – CONTRACT 1 (EXP. 12/31/24)

Opening Date: 05/22/2023

Addendum #: 2

Issue Date: 05/11/2023

The purpose of this addendum is Revisions, clarifications, additions and/or deletions.

ADDENDUM NO. 2
FOR
WESTERN JOHNSTON HIGH SERVICE EXPANSION – (Water Tank)
CONTRACT 1 (Expires 12/31/24) JOHNSTON, RHODE ISLAND
PROVIDENCE WATER SUPPLY BOARD
MAY 11, 2023

Inclusion of this Addendum must be acknowledged by the bidders by inserting its number on the appropriate line on Page 3 of the Bid Form (Section 00310). Failure to acknowledge any and all addenda in the above specified bid form may be cause for rejection of the bid by the Providence Water Supply Board, on the grounds that the bid is not responsive.

The following revisions, clarifications, additions and/or deletions, are hereby made as part of the Bid Documents for the Central Avenue Transmission Main Installation project.

A pre-bid meeting was held on April 18, 2023, at the Philip J Holton Water Purification Plant in Scituate, Rhode Island.

CONTRACT CLARIFICATIONS

1. Bidding firms must demonstrate that they have a Workers Compensation Rating (EMR) of less than 1.0. Any firms with an EMR of 1.0 must provide an explanation under Appendix C in the Supplements to Bid Form.

2. Installation of the tank foundation shall be included under Contract 1. This includes foundation excavation, subgrade preparation, and mat foundation installation.

3. It will be the responsibility of Contract 1 Contractor to obtain the building permit.

4. A pre-conditions survey will be performed under Contract 2 in accordance with the General Conditions of the contract. This will include a boundary survey for the property prepared by a Rhode Island licensed professional land surveyor.

5. Clearing/grubbing and rough grading work shall be completed under Contract 2 within (60) days following the Notice to Proceed.

6. THM Removal System shall be manufactured by IXOM, or approved equivalent.

7. Any excavated soil at the Site shall remain on-site. Rocks will be transported from the Site.

8. A Bid Bond form is attached to this addendum.

CONTRACT SPECIFICATIONS

- 00310 – BID FORM

    1. Replace Specification 00310 in its entirety with Revised Specifications 00310 – Bid Form (Addendum No. 3) attached to this addendum.

Please note that the following modifications have been made to the Bid Form:

- Remove Bid Item No. 4(a) – Bid Alt. #1 – Furnish and Install PAX Mixing System.
- Under Bid Item No. 7 – Unknown Conditions Allowance, replace Unit Bid Price with $400,000.

- 001150 – MEASUREMENT AND PAYMENT

1. Remove the following Section, in its entirety, under PART 2 – PRODUCTS on page 5:

"2.05 Bid Alt. #1 – Furnish and Install Pax Mixing System (Bid Item No. 4A)".

- 13100 – GLASS FUSED TO STEEL COMPOSITE ELEVATED WATER STORAGE TANK

1. Replace the bottom of tank floor height in Article 1.03.B.1 on page 3 with "107 feet".

2. Replace "IBC 2009" in Article 1.03.B.6.d.i-ii on page 3 with "IBC 2018".

3. Replace "ASCE 7-05" in Article 1.03.B.6.e on page 3 with "ASCE 7-16".

4. Remove sub-paragraph 4 – Sheet Edge Coating, under Article 2.01.G.4 on page 11 and replace with the following:

"4. Sheet Edge Coating:
   a. Prior to sheet glassing all four (4) exposed rectangular continuous sheet edges, including starter sheets, for each specific sheet radii shall be mechanically rounded in profile resulting in an optimized radius and adhere to The Porcelain Enameling Institute's Technical Manual PEI-101.
   b. Prior Sheet surface next to the edge must remain flat, post process, to prevent 'bulging' to less than 0.030 inches (0.79-mm) relative to the flat, while being rolled. All (4) exposed sheet edges will then be directionally sprayed by nozzles, using an automated machine process, and coated with the same vitreous enamel glass coating as the sheet surface.
   c. Sheet edge encapsulation will have an enamel coating minimum DFT (dry film thickness) of 5 mils (127 microns). Coating adhesion shall be tested in accordance with ISO 28765 Class 2 or better. Sheet face and sheet edge must meet the same glass quality test. Rounded sheet edge encapsulation will not have exposed uncoated steel.
   d. The process shall be equal in all respects to Edge Coat II by CST Industries. Sealer or glass overspray as edge coating shall not be an acceptable alternative and nozzle spray must be directionally oriented toward the edges to ensure consistency of coverage. The coating shall have a tensile strength of 1,500 psi."

- 16670 – LIGHTNING PROTECTION SYSTEMS

1. Add Specification 16670 – Lightning Protection Systems (Addendum No. 3) attached to this Addendum.

CONTRACT DRAWINGS

- SHEET 3.0 – SITE PLAN (Contract 2 related modifications are italicized)

  Replace sheet C3.0 in its entirety with Revised Sheet C4.0 – Site Plan (Addendum No. 3). The revised sheet is attached to this addendum.

  Please note that the following changes have been made to the sheet:

  1. Remove "TP-1" from sheet;
  2. *Replace "TP-2" with "TH-7";*
  3. *For callouts concerning the 6' ornamental fence, replace with "6' high black vinyl chain-link fence";*
  4. *Remove callout "Contractor to remove boulders" from sheet; and*
  5. *Add top of wall (TOW) and bottom of wall (BOW) elevations to retaining walls.*

- SHEET C4.0 – COMPOSITE GLASS FUSED TANK ELEVATION & SECTION

  Replace sheet C4.0 in its entirety with Revised Sheet C4.0 – Composite Glass Fused Tank Elevation & Section (Addendum No. 3). The revised sheet is attached to this addendum.

  Please note that the following changes have been made to the sheet:

  1. In the Foundation Elevation detail, replace the call-out "16" flanged D.I. overflow pipe" with "16" diameter aluminum grade pipe, irrigation grade"; and
  2. In the Elevation detail, replace the weir line elevation of "650.22 feet" with "650 feet".

- SHEET C5.1 – DETAILS 1 (Contract 2 related modifications are italicized)

  Replace sheet C5.1 in its entirety with Revised Sheet C5.1 – Details 1 (Addendum No. 3). The revised sheet is attached to this addendum.

  Please note that the following changes have been made to the sheet:

  1. Replace overhead door callout with "12' wide overhead door";
  2. *Remove pH and Chlorine Analyzers;*
  3. *Remove Chlorine Analyzer Waste Drain Detail;*
  4. *Remove "P" Trap Detail;*
  5. *Remove Process Flow Schematic – pH & Chlorine Analyzer Detail; and*
  6. *Add multiparameter chlorine sensor along interior piping with the following callout "Halogen Systems Multiparameter Chlorine Sensor w/ removal system, wet tap model: WT-01. Sensor shall be integrated with proposed RTU (included in Contract 2)"; and*
  7. *Add note to Valve Plan: "Chlorine sensor to be located in a straight length of pipe at least 1.5 times the pipe diameter".*

QUESTIONS (Contract 2 questions referencing Contract 1 are italicized)

1. **Overflow piping – The elevation view on Drawing C4.0 references 16" irrigation grade aluminum pipe. The foundation elevation detail on Drawing C4.0 references 16" flanged ductile iron overflow pipe. Article 2.02.E.2 of Section 13100 references a maximum inlet flow rate of 2,500 gpm. Please confirm that irrigation grade aluminum pipe at a size capable of handling the maximum inlet flow rate is acceptable.**

   The Foundation Elevation Detail on sheet C4.0 has been revised to show a 16" irrigation grade aluminum pipe. Yes, the irrigation grade aluminum pipe is at an acceptable size capable of handling the maximum inlet flow rate.

2. **Overflow elevation – The elevation view on Drawing C4.0 and Article 1.03.B.5 references an overflow elevation of 650.22'. The elevation view on Drawing C4.0 also depicts the top of the tank shell sheet at 650' (grade at 503' + 147'). Please confirm the overflow elevation.**

   The overflow elevation is 650.0'. Sheet C4.0 has been revised to show the correct elevation.

3. **Design Criteria – Article 1.03.B of Section 13100 includes references to IBC 2009 and ASCE 7-05. Please confirm that the Composite Elevated Tank should be designed to the 2019 Rhode Island Building Code (IBC 2018 and ASCE 7-16).**

   Yes, the Composite Elevated Tank should be designed to the 2019 Rhode Island Building Code (IBC 2018 and ASCE 7-16).

4. **Overhead & Personnel Doors – The elevation view on Drawing C4.0 references a 12' wide overhead door. The plan view on Drawing C5.1 references a 10' wide overhead door and two (2) personnel doors. Please confirm overhead door size and quantity of personnel doors (typically 1 at base and 1 at top).**

   The overhead door shall have a width of 12-feet. The interior pedestal will have three (3) personnel doors – two (2) at base and one (1) at top.

5. **AIS/BABA – please confirm there are no AIS/BABA requirements on this project.**

   There are no AIS/BABA requirements on this project.

6. **Pipe Brackets – The detail on Drawing C5.2 calls for 304 SS brackets. Article 2.02.E.2 calls for galvanized brackets. Please confirm that HDG brackets are acceptable.**

   Pipe brackets shall be 304 SS brackets, per sheet C5.2.

7. **Concrete Pedestal Construction - Article 3.5.A of Section 03100 requires a minimum of 72 hours prior to form removal. Article 1.04.C.1 of Section 13100 requires a minimum of 24 hours prior to form removal. Please confirm ACI 371R and industry standards are acceptable for the**

composite tank support wall relating to concrete mix, curing, forms, form removal times, etc. in lieu of the Division 3 specifications.

Yes, ACI 371R and industry standards are acceptable for the composite tank support wall relating to concrete mix, curing, forms, form removal times, etc. in lieu of the Division 3 specifications.

8. **Contract Time - based on the bid date and time required to design and construct a composite elevated tank, it is not feasible to achieve substantial completion (tank online) within 360 calendar days. For quality and safety reasons, we cannot work at height placing the tank support floor and erecting the tank and dome during the winter. Can the contract time be extended or would a winter shutdown stopping the contract time be allowable? We anticipate substantial completion late fall 2024.**

The client will take into consideration a contract time extension regarding substantial completion due to a winter shutdown.

9. **What is the current power supply on site?**

The current power supply on site is 240/120V, single phase power.

10. **Is a timer package required for the control panel?**

Yes, the control panel shall include a timer package.

11. **Is (1) common control panel required?**

Yes, (1) common control panel is required. The system's control panel shall include all de-rated VFDs for proposed motors, PLC control, etc.

12. **Is the level sensor needed to be integrated into the control panel?**

The tank's level sensor will be connected to the RTU panel.

13. **What is the starting TTHM?**

Current THM totals (ug/l) in system:

- Average (for lowest 3 questers) = 60
- Peak (in highest quarter) = 79
- Goal (for highest quarter) = 40

14. **What is the daily flow rate and is it considered peak or average?**

The average daily flow rate through the entire system is approx. 57 MGD. The average daily flow rate

through the tank is approx. 0.37 MGD.

15. **A 3-phase converter & transformer required to be supplied by the THM Removal manufacturer?**

    Yes, a 3-phase converter will be required by the THM removal manufacturer if the system cannot be supplied by the proposed service (240/120V, single phase power). The proposed transformer will be located outside the tank pedestal as part of Contract 2.

16. ***Which Contractor (Contract #1 or #2) is responsible for the excavation, subgrade preparation, and soil testing for the new water storage tank foundation?***

    Contract 1 is responsible for the excavation, subgrade preparation, and soil testing for the new storage tank foundation. This will also include the installation of the mat foundation.

17. ***Please advise on the elevation of under slab plumbing, mechanical piping, and electrical elements of the project. Are they below the primary base slab or in the primary base slab?***

    Mechanical piping will be below the primary base slab. Final elevations of under slab plumbing and electrical elements will need to be coordinated with Contract – 1.

18. ***If they are in the primary base slab, then who is responsible for resolving conflicts with rebar?***

    It will be the responsibility of Contract – 1 to resolve any conflicts with rebar.

19. ***The foundation elevation shown on C6.0 shows a primary base slab with 12" of gravel above the primary slab and a 6" finish slab on top of the gravel. Which Contract (#1 or #2) is responsible for the gravel layer and 6" toping slab?***

    All foundation work will be under Contract – 1.

20. ***Is Lightning Protection a requirement? If so, by which Contract (#1 or #2)?***

    Yes, under Contract 1.

21. ***Which Contract #1 or #2 is responsible for the Ground grid?***

    Contract 1 will be responsible for the ground grid.

22. ***As I was reviewing the bid documents for the Western Johnston Service Expansion Contract 2, I noticed there was no sample bid bond form. I was wondering if there is a form you would***

like us to use (as we have in the past for previous Providence Water proposals) or if we should use our standard form. Please advise.

See Bid Bond attachment.

22. ***Geotechnical Report Pg.14: Common Borrow should be imported, or in-situ material blended that conforms to M.01.01 of the State Standards as approved by the geotechnical engineer. This material shall have the physical characteristics of soils designated as group A-1, A-2, or A-3 under AASHTO M 145. ** QUESTION: Where would this material be placed? Slopes, Shoulders, Basins?***

    Common borrow can likely be used on slopes and shoulders. It cannot be used within the tank footprint or the retaining wall footprint.

23. ***Geotechnical Report Pg. 8: With multiple references to Glacial Till. 5.1 GENERAL – Paragraph 1 - Subparagraphs 2 & 4. ** QUESTION: Will glacial till serve as an adequate underlying strata to the paving subbase and base materials once proof rolled.***

    Glacial till will not be an adequate paving base and subbase material due to high fines content. See Appendix D – Subsurface Investigation, page 15, under section 6.8 that states "Base and subbase course materials should meet the criteria for 'Sand Gravel Fill' and 'Granular Fill' ".

24. ***With regard to the above question, would any necessary over excavation and backfill be paid for under Bid Item 25 – Unknown conditions Allowance.***

    Over excavation and backfill material will be evaluated by the owner/engineer on a case-by-case basis.

25. ***Geotechnical Report Pg. 13: Permanent perimeter and underdrains should be designed when the FFE is within 5 feet of the observed groundwater. Special construction, vapor barriers, and waterproofing should be anticipated for recessed stairwells, elevator slabs/pits, and depressed slab areas. ** QUESTION: If underdrains are required at the tank foundation, would this scope of work be covered by Contract-1 or Contract-2.***

    Groundwater impacts will be evaluated by the owner/engineer on a case-by-case basis.

PRE-BID MEETING ATTENDEES

Company	Address
Statewide Aquastore, Inc.	6010 Drott Dr., East Syracuse, NY 13057
R. Zoppo Corp.	160 Old Maple St., Stoughton, MA 02072
Manafort Brothers Inc.	24 Martin St. Unit 10, Cumberland, RI 02864

R. P. Iannuccillo & Sons Construction	70 Calverley St., Providence, RI 02908
East Coast Construction	202 Chase Rd., Portsmouth, RI 02871
Providence Water Supply Board	125 Dupont Dr., Providence, RI 02907
Pare Corp.	8 Blackstone Valley Pl., Lincoln, RI 02865

ATTACHMENTS

1.) Revised Specification 00310 – Bid Form (Addendum No. 3)
2.) Specification 16670 – Lightning Protection (Addendum No. 3)
2.) Revised Sheet C3.0 – Site Plan (Addendum No. 3)
3.) Revised Sheet C4.0 – Composite Glass Fused Tank Elevation & Section (Addendum No. 3)
4.) Revised Sheet C5.1 – Details 1 (Addendum No. 3)
5.) Bid Bond
6.) Pre-Bid meeting Attendance Sheet

3.00 UNIT PRICES

BID FORM

Western Johnston High Service Expansion - Contract 1

Bid Item	Description	Quantity	Unit Bid Price	Unit	Total Cost	Total Price in Words
NOTE: THE UNIT PRICE FOR EACH ITEM MUST BE WRITTEN IN WORDS AND FIGURES. IN CASE OF DISCREPANCY, THE AMOUNT SHOWN IN WORDS WILL GOVERN.						
1.	Site Mobilization and Demobilization (up to 5% of construction cost)	1	$	LS	$	
2.	Payment and Performance Bond (up to 1.5% of construction cost)	1	$	LS	$	
3.	Composite Elevated Storage Tank Construction	1	$	LS	$	
4.	Furnish and Install THM Removal System	1	$	LS	$	
5.	Rock Removal	500	$	CY	$	
6.	Unsuitable Material Removal and Replacement w/ Processed Gravel	500	$	TONS	$	
7.	Unknown Conditions	1	$ 400,000.00	ALLOW	$ 400,000.00	Four Hundred Thousand Dollars and Zero Cents
	TOTAL				**$**	

PART 1 GENERAL

1.1 SCOPE

A. The Contractor shall provide the labor, tools, equipment, and materials necessary to furnish and install lightning protection systems in accordance with the plans and as specified herein.

1. This section includes lightning protection systems for buildings and associated structures and includes requirements for lightning protection systems components including, but not limited to, the following:

a. Air terminals.
b. Bonding plates.
c. Conductors.
d. Connectors.
e. Fasteners.
f. Grounding plates.
g. Grounding rods.
h. Rod clamps.
i. Splicers.

1.2 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to this section.

1.3 QUALITY ASSURANCE

A. Reference Standards:

1. National Fire Protection Association (NFPA) 70 "National Electrical Code" (NEC).
2. NFPA Standard 78, and UL Standard 96.
3. Lightning Protection Institute (LPI) Standards 175, 176, and 177.
4. UL Standards 96 and 96A.
5. ANSI Standard C2.

1.4 SUBMITTALS

A. Furnish manufacturer's product data, test reports, and materials certifications as required.

B. Submit the following in accordance with Conditions of Contract and Division 1 specification sections.

1. Product data for each type of product specified, including roof adhesive where used.

2. Shop drawings detailing lightning protection system including, but not limited to, air terminal locations, conductor routing, connections, and grounding.

1.5 JOB CONDITIONS

A. Coordinate installation of lightning protect system with the installation of other building systems and components, including electrical wiring, supporting structures and building materials, and metal components requiring interface with lightning protection systems.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Not used.

1.7 SPECIAL WARRANTY

A. Not used.

PART 2 PRODUCTS

2.1 MATERIALS

A. Acceptable Manufacturers:
   a. East Coast Lightning Equipment;
   b. Harger Lightning Protection, Inc.;
   c. Independent Protection Co., Inc.;
   d. Maxwell Lightning Protection Co.;
   e. Robbins Lightning Protection Co.;
   f. Sewell Manufacturing Co., Inc.;
   g. Thompson Lightning Protection, Inc.; and
   h. or approved equal.

B. Lightning Protection System Components. Provide lightning protection system materials and components, that comply with manufacturer's standard design, in accordance with published product information. Provide air terminals, bonding plates, conductors, connectors, conductor straps, fasteners, grounding plates, grounding rods, rod clamps, splicers, and other components required for a complete system that meets LPI-175, UL 96A and NFPA 78 standards.

C. Air Terminals:
   1. Pint: Solid Aluminum, 12 inches high, ½ inch diameter, with tapered points.
   2. Point Coating: Minimum 1/16-inch lead.

D. Fasteners and Attachments:
   1. Same material as air terminals.

E. Main Conductors Down Leads and Roof:
   1. Copper cable, minimum weight not less than 375 lbs/1,000 ft: minimum wire size No. 14 AWG.

F. Secondary Conductors:

1. Copper cable, minimum 13 strand No. 17 AWG.

G. Fasteners:
1. All fasteners shall be substantial in construction, not subject to breakage and shall be of the same material as the conductor or of such nature that there will be no serious tendency toward electrolytic corrosion in the presence of moisture.
2. Galvanized fasteners not acceptable.

H. Connectors and Disconnectors:
1. Compression type designed to withstand 200 lbs. pull.
2. Exothermic Welding Type (for below grade only).
3. Bi-metallic Type.

I. Depth Indicator Tags:
1. Copper.

J. Ground Rods:
1. 10 feet copper clad steel rods ¾" diameter. The proportion of copper on copper-clad rods shall be approximately 30 percent of the weigh of the rod. Ground rods shall be driven vertically.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install system in accordance with manufacturer's instruction and UL requirements. Installer shall be LPI certified.

B. Install a perimeter cable around the entire roof of each building. Each perimeter shall be connected to down leads not to exceed 100 feet OC around the perimeter of any level to be protected. Down leads shall be in concealed conduit.

C. Install Air Terminals in plumb position securely fastened to with stand overturning. Provide the required number of air terminals around each perimeter protected and all prominent parts of the building. Air terminals shall be placed at intervals not exceeding 20'-0" around perimeter of building and shall extend a 10" minimum distance above the object they are to protect.

D. All metallic masses above the structure which are a permanent part of the building with the exception of those of comparatively small sizes and not within six feet of the lightning conductor, shall be made a part of the lightning protection system by interconnection with the system, or shall be independently grounded. Plumbing vent stacks, fan housing, fences and other metallic masses high in the building shall be permanently and effectively grounded by bonding to the lightning conductor.

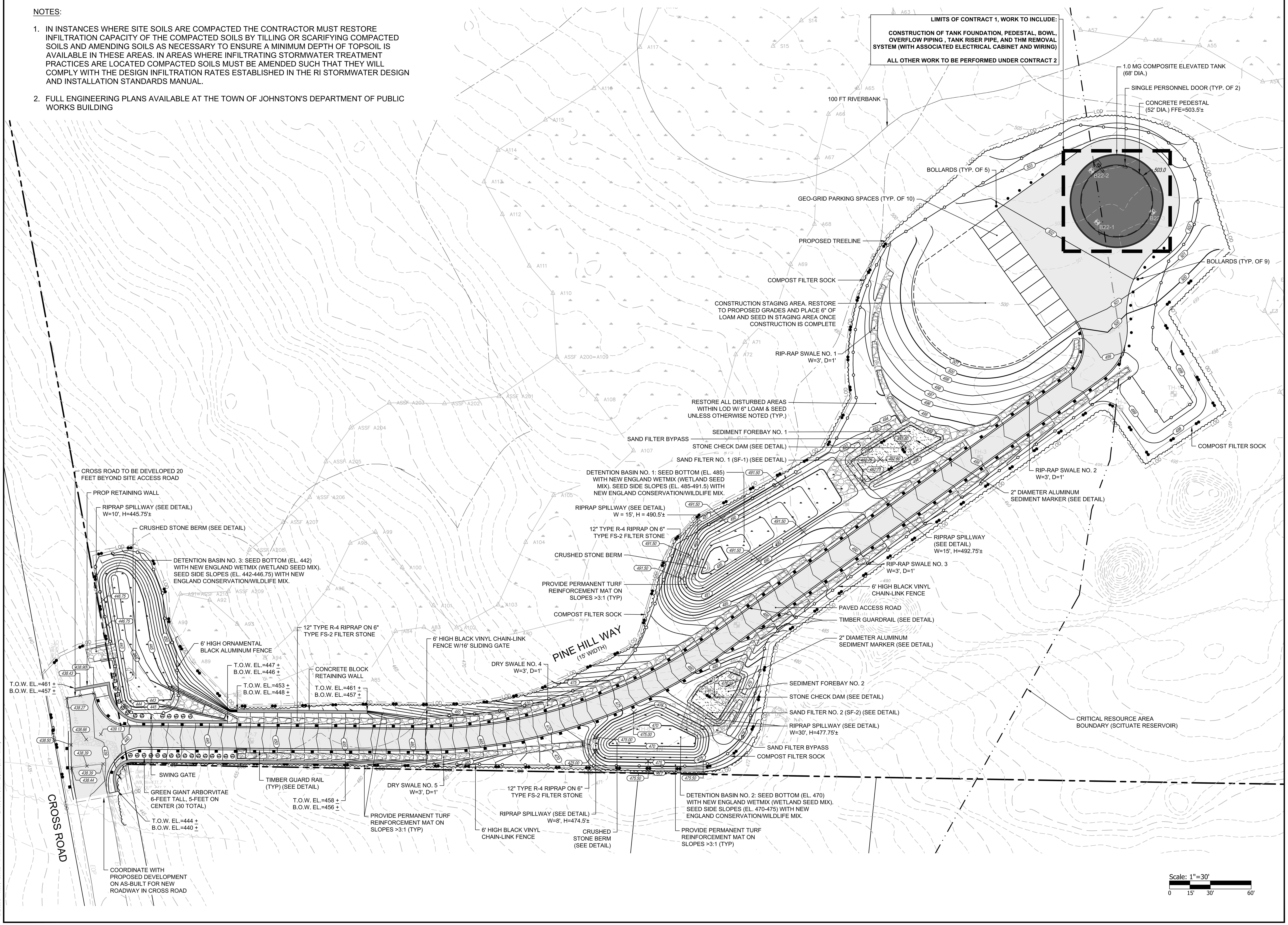
E. Conductors shall be fastened and run as follows:
1. Fasten conductors to building at 3 feet maximum intervals.

2. On masonry set fasteners in brick, block, or stone but not in mortar joints.
3. Bend to radii greater than 8 inches.
4. Limit angle of turns to 90 degrees.
5. Route horizontal conductors around obstruction in horizontal plane.
6. Route conductor in horizontal or vertical planes only.
7. Do not form obstructions to ice or snow.
8. Connect main conductor to metal bodies of inductance located within 6 feet by secondary conductor.
9. Connect conductor to metal bodies of inductance located within 6 feet by secondary conductor.
10. Place depth indicator tags on each down lead between 3 feet and 6 feet above grade. Stamp each tag to indicate depth of ground and whether connection is to water pipe or common ground.
11. Install disconnector on all but one down lead, located one (1) foot above grade.
12. Protect down conductors subject to damage with guards to 6 feet above grade level.
13. Bond nonferrous metal guards to conductors at top.
14. Protect down conductors entering acidic soil with lead pipe leads extending not less than 3 feet above grade and 3 feet below grade.
15. Provide the services of U.L. representative to certify the lightning protection system installation.

END OF SECTION

NOTES:

1. IN INSTANCES WHERE SITE SOILS ARE COMPACTED THE CONTRACTOR MUST RESTORE INFILTRATION CAPACITY OF THE COMPACTED SOILS BY TILLING OR SCARIFYING COMPACTED SOILS AND AMENDING SOILS AS NECESSARY TO ENSURE A MINIMUM DEPTH OF TOPSOIL IS AVAILABLE IN THESE AREAS. IN AREAS WHERE INFILTRATING STORMWATER TREATMENT PRACTICES ARE LOCATED COMPACTED SOILS MUST BE AMENDED SUCH THAT THEY WILL COMPLY WITH THE DESIGN INFILTRATION RATES ESTABLISHED IN THE RI STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL.
2. FULL ENGINEERING PLANS AVAILABLE AT THE TOWN OF JOHNSTON'S DEPARTMENT OF PUBLIC WORKS BUILDING



PARE

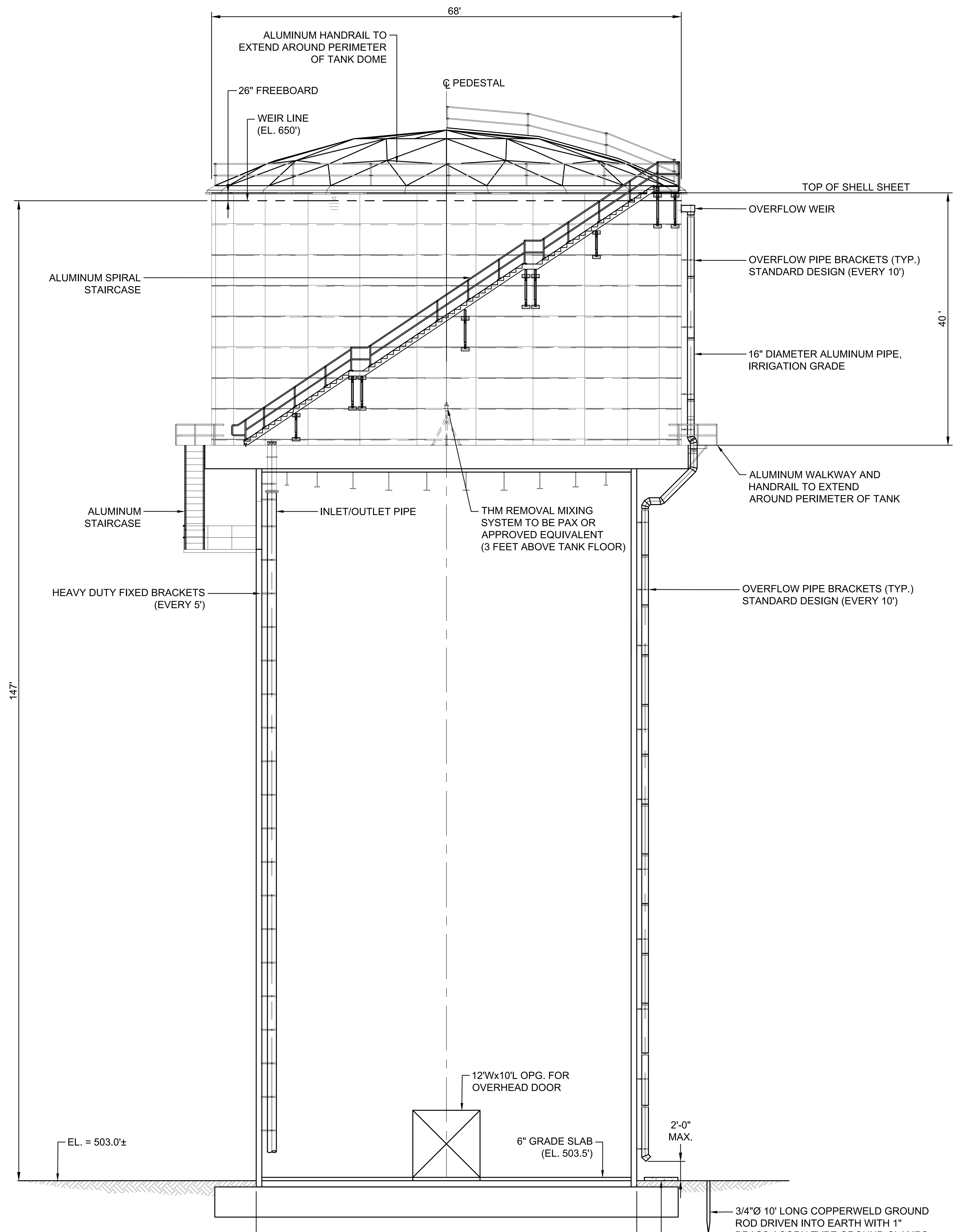
SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

WESTERN JOHNSTON HIGH SERVICE EXPANSION CONTRACT 1

Johnston, Rhode Island

REVISIONS:

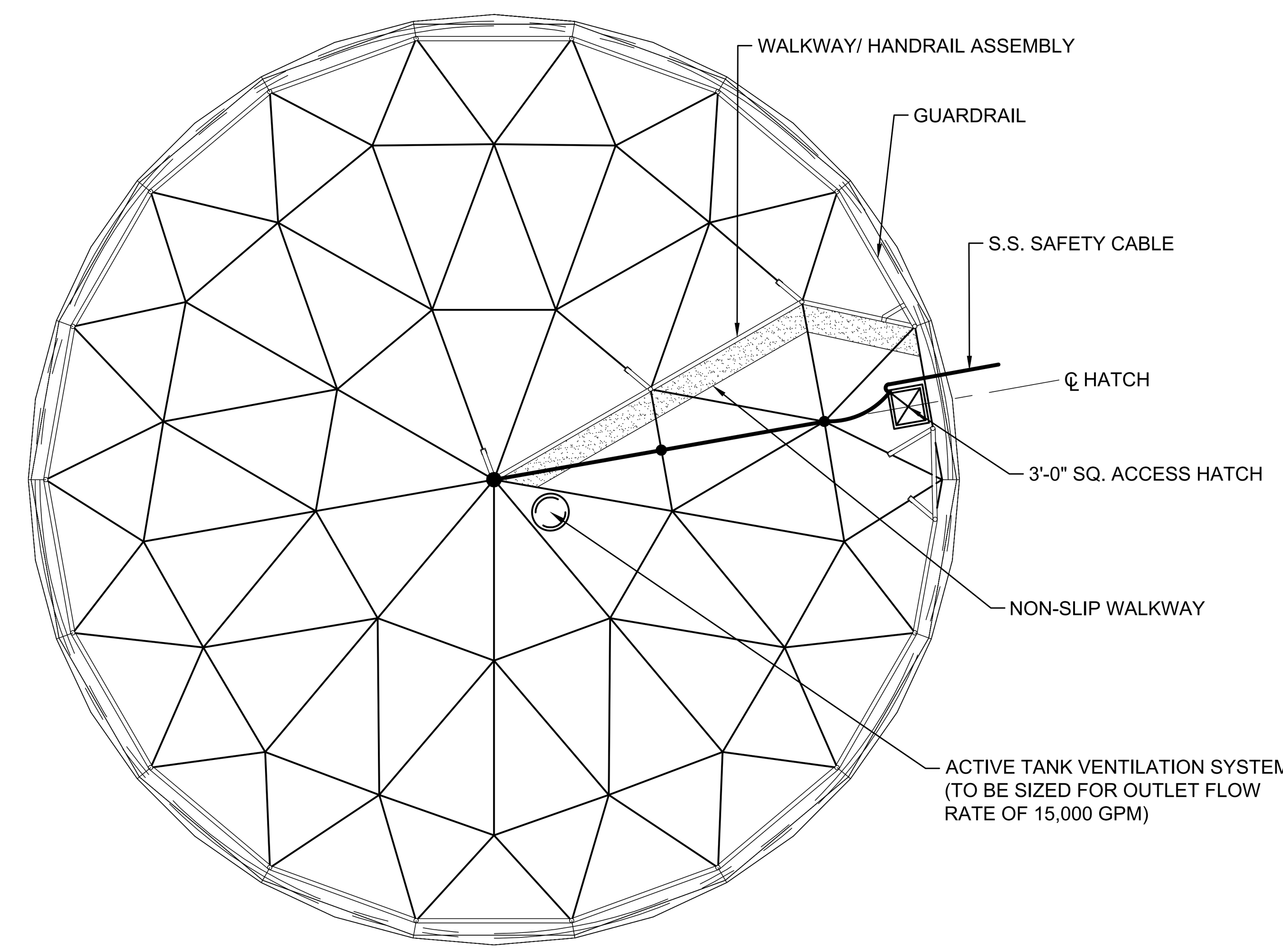
PROJECT NO.:	14256.32
DATE:	MARCH 2023
SCALE:	1" = 30'
DESIGNED BY:	MGM
CHECKED BY:	SPD
DRAWN BY:	MGM
APPROVED BY:	SPD
DRAWING TITLE:	SITE PLAN
DRAWING NO.:	C3.0
SHEET NO.	5 OF 8



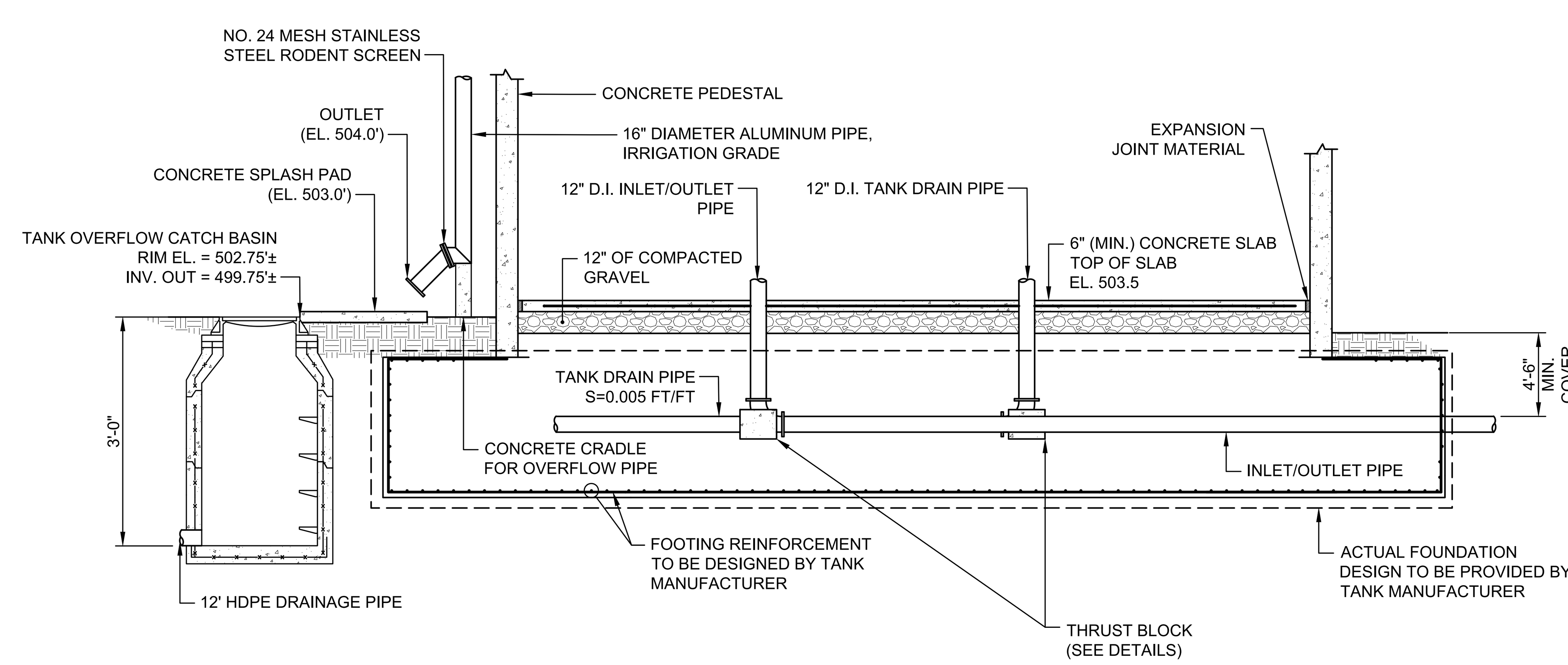
ALUMINUM SPIRAL STAIRCASE NOTES:

1. CONSTRUCTION MATERIAL: 6061-T6 ALUMINUM
2. ALL FASTENERS SHALL BE 300 SERIES STAINLESS STEEL
3. ALL HANDRAILS SHALL BE SCH40 ALUMINUM 2B FINISH.
4. ALL HANDRAIL POSTS SHALL BE SCH80 ALUMINUM 2B FINISH.
5. SPIRAL STAIRCASE SHALL ALSO BE INSTALLED WITHIN THE PEDESTAL.

ELEVATION
NOT TO SCALE



PLAN
NOT TO SCALE



FOUNDATION ELEVATION
NOT TO SCALE

PARE

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

WESTERN JOHNSTON HIGH SERVICE EXPANSION
CONTRACT 1
Johnston, Rhode Island

REVISIONS:

PROJECT NO.:	14256.32
DATE:	MARCH 2023
SCALE:	AS NOTED
DESIGNED BY:	MGM
CHECKED BY:	SPD
DRAWN BY:	MGM
APPROVED BY:	SPD

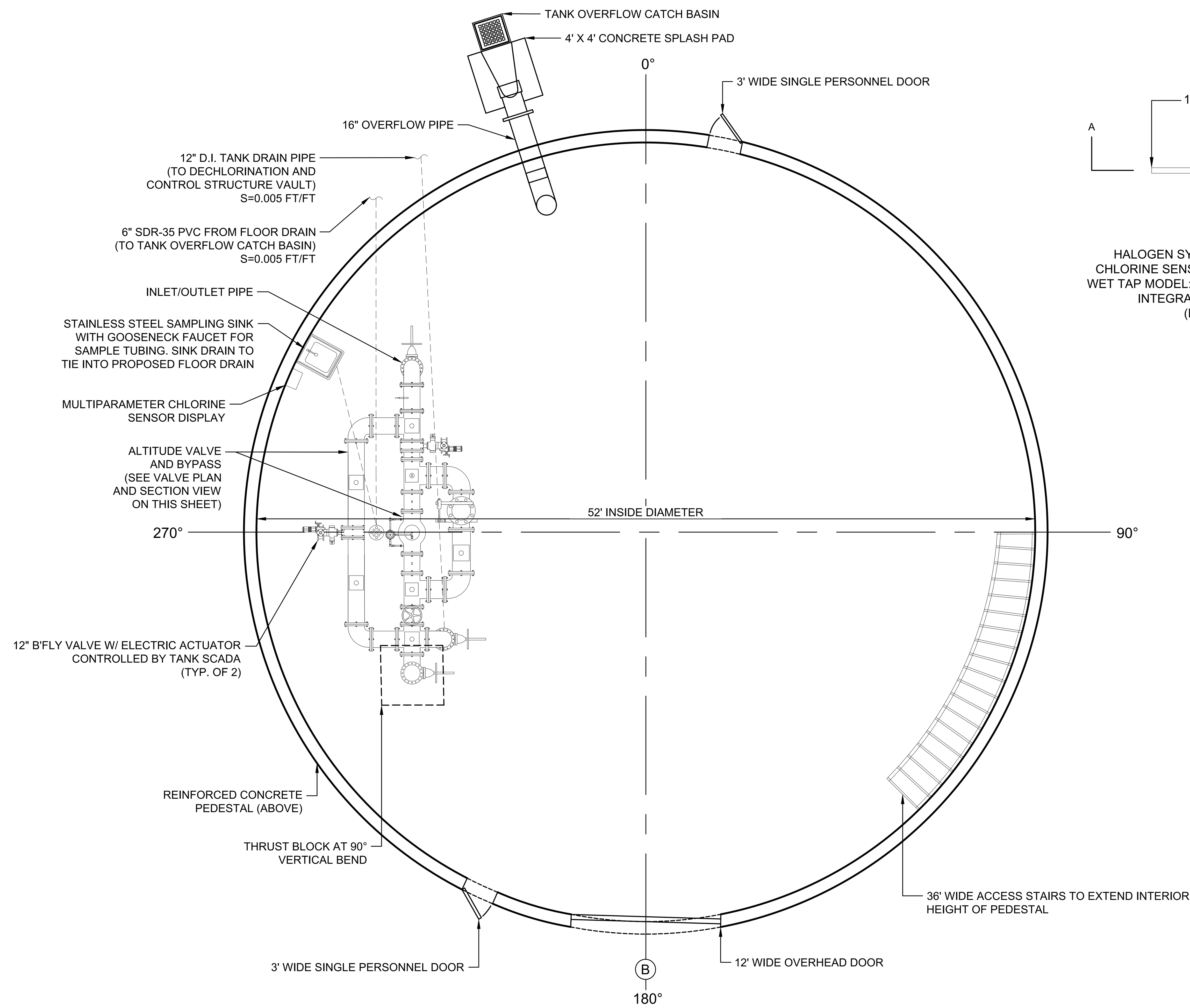
DRAWING TITLE:

COMPOSITE GLASS FUSED TANK ELEVATION & SECTION

DRAWING NO.:

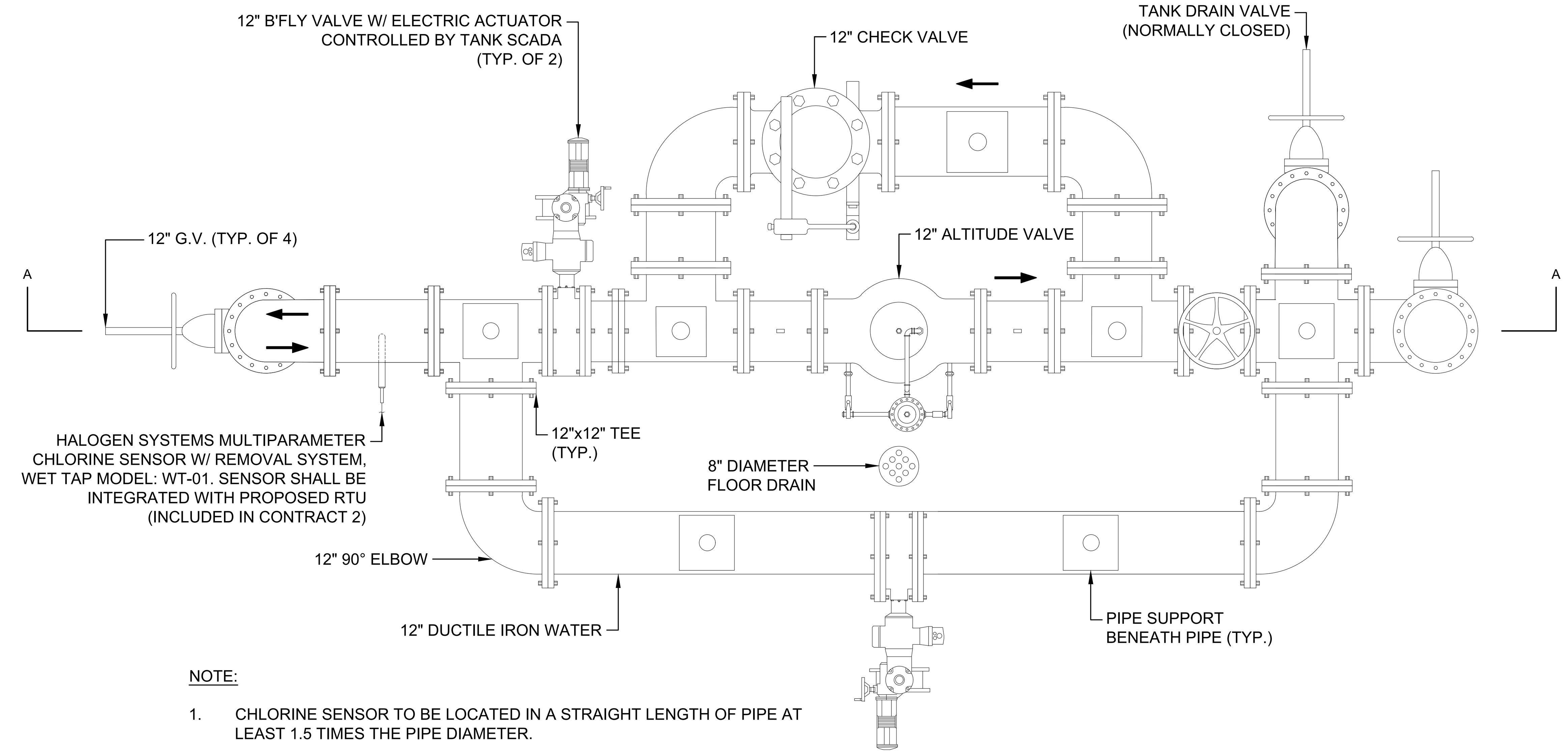
C4.0

SHEET NO. 6 OF 8



PLAN

SCALE: 3/16" = 1'



NOTE:

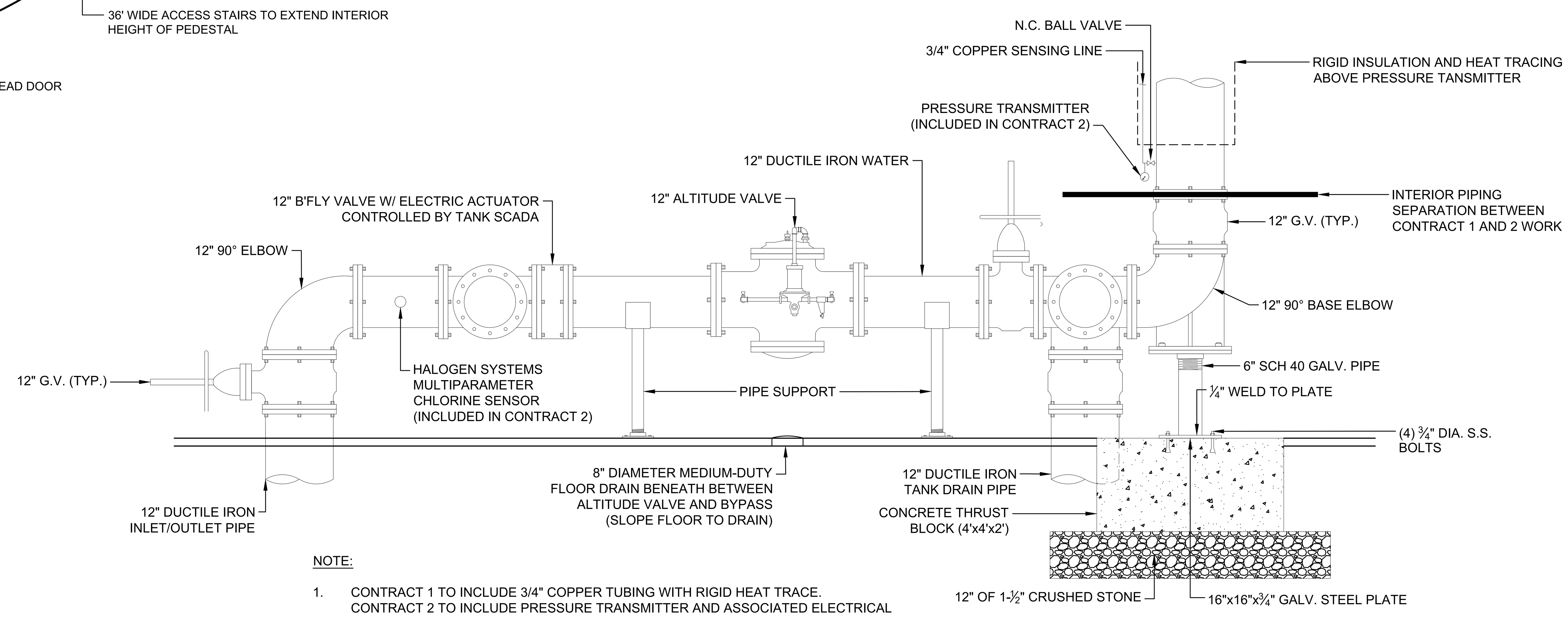
1. CHLORINE SENSOR TO BE LOCATED IN A STRAIGHT LENGTH OF PIPE AT LEAST 1.5 TIMES THE PIPE DIAMETER.

VALVE PLAN

NOT TO SCALE

NOTE:

CONTRACT 1: INTERIOR PIPING TO ONLY INCLUDE INSTALLATION OF TANK RISER PIPE. ALL OTHER INTERIOR PIPING WORK TO BE INCLUDED UNDER CONTRACT 2.



NOTE:

1. CONTRACT 1 TO INCLUDE 3/4" COPPER TUBING WITH RIGID HEAT TRACE. CONTRACT 2 TO INCLUDE PRESSURE TRANSMITTER AND ASSOCIATED ELECTRICAL

SECTION A-A

NOT TO SCALE

PARE

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

WESTERN JOHNSTON HIGH SERVICE EXPANSION CONTRACT 1

Johnston, Rhode Island

REVISIONS:

PROJECT NO.:	14256.32
DATE:	MARCH 2023
SCALE:	AS NOTED
DESIGNED BY:	MGM
CHECKED BY:	SPD
DRAWN BY:	MGM
APPROVED BY:	SPD

DRAWING TITLE:

DETAILS 1

DRAWING NO.:

C5.1

SHEET NO. 7 OF 8

BID BOND

Any singular reference to Bidder, Surety, Owner, or other party shall be considered plural where applicable.

BIDDER *(Name and Address)*:

SURETY *(Name, and Address of Principal Place of Business)*:

OWNER *(Name and Address)*:

BID

Bid Due Date:

Description *(Project Name— Include Location)*:

BOND

Bond Number:

Date:

Penal sum _____ $ _____

(Words) (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER	**SURETY**
_____ (Seal)	_____ (Seal)
Bidder's Name and Corporate Seal	Surety's Name and Corporate Seal
By: _____	By: _____
Signature	Signature (Attach Power of Attorney)
_____	_____
Print Name	Print Name
_____	_____
Title	Title
Attest: _____	Attest: _____
Signature	Signature
_____	_____
Title	Title

Note: Addresses are to be used for giving any required notice.

Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder any difference between the total amount of Bidder's Bid and the total amount of the Bid of the next lowest, responsible Bidder that submitted a responsive Bid as determined by Owner for the work required by the Contract Documents, provided that:

1.1 If there is no such next Bidder, and Owner does not abandon the Project, then Bidder and Surety shall pay to Owner the penal sum set forth on the face of this Bond, and

1.2 In no event shall Bidder's and Surety's obligation hereunder exceed the penal sum set forth on the face of this Bond.

1.3 Recovery under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.

3. This obligation shall be null and void if:

3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or

3.2 All Bids are rejected by Owner, or

3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).

4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.

5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from Bid due date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.

7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.

8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

Providence Water Supply Board – Western Johnston High Service Expansion – Contract 1 & 2

Non-Mandatory Pre-Bid Meeting Sign-In Sheet

April 18, 2023 – 10:00 AM

NAME	COMPANY	EMAIL
Stan Carter	R Zoppo Corp	scarter@zoppo.com
Annie Melley	Statewide Aquastore	AWHEELER@BESTTANK.com
Peter D'Lorenzo	Providence Water	Pdilorenzo@provwater.com
Russ Lepage	PW	Rlepage@provwater.com
Victor Cabrera	PW	victorc@provwater.com
Lee Fontaine	PW	lee f@provwater.com
Christian Lopez	PW	Christian l@provwater.com
Shane Driscoll	Pare	sdriscoll@parecorp.com
Anthony Vincenzo	R P Iannuccillo	avincenzo@rpiannuccillo.com
Jack Milburn	East Coast Gen'l.	JMilburn@EastCoastConstruction.com
David Lunetta	Manafort Bros.	PCALCAGNI@Manafort.com

PARE CORPORATION

Procurement #: 40527>

25 Dorrance Street
Providence, RI 02903