

ADDENDUM NO. 1

DATED

APRIL 16, 2024

AVON, MASSACHUSETTS
AVON SELECT BOARD

CONTRACT NO. 2024-1

CENTRAL STREET AND PAGE STREET TANK REHABILITATION

TO ALL BIDDERS OF RECORD:

This Addendum shall be part of the Contract Documents as provided in the Instructions to Bidders of Contract No. 2024-1. Acknowledgment of receipt of the Addendum shall be made by inserting its number on Page 00300-1 of the Bid Form. Failure to do so may subject the bidder to disqualification.

Clarification/Informational:

Central Street Tank Site Clearances:

The approximate minimum clearance within the tank site is 20 feet from the tank foundation to cellular infrastructure. The typical clearance from the tank foundation to the site fence is approximately 45 feet. Rip rap is located from the overflow pipe to the fence in a drainage ditch interrupting the path around the tank.

Page Street Tank Site Clearances:

The approximate minimum clearance within the tank site is 24 feet from the tank foundation to the fire department building. The typical clearance from the tank foundation to the site fence is approximately 25 feet. Rip rap is located from the overflow pipe to the fence in a drainage ditch interrupting the path around the tank.

Page Street Tank Antenna:

All the omnidirectional antenna need to stay operational throughout the work. Contractor shall be responsible for temporary relocation, including temporary mounting, of all antenna and cables.

Central Street Tank Antenna:

The cellular antennae on Central St are to remain on the tank and in service. Coordinated sector by sector temporary shutdowns will be used to complete the surface preparation and coating work. Contractor shall incorporate reasonable delay for coordination and scheduling.

0300-6 Bid Form

Delete: The undersigned as Bidder certifies that he/she has investigated and is aware of the logistics of transporting workers, equipment and materials to Pocasset, and that he/she is aware of the weather conditions that are normally experienced in Pocasset during the season that the work is planned.

Insert: The undersigned as Bidder certifies that he/she has investigated and is aware of the logistics of transporting workers, equipment and materials to Avon, and that he/she is aware of the weather conditions that are normally experienced in Avon during the season that the work is planned.

01025-11 1.16.B.3 Measurement and Payment

Delete: This item shall also include coating of the shell and roof ladders.

Insert: This item shall also include coating of all tank accessories.

01025 Measurement and Payment

Insert: Insert missing page 17 from Measurement and Payment.

01505-5 3.2.E Mobilization and Site Protection – Central Street

Delete: Brewster

Insert: Avon

09200 2.1.C.6 Coatings – Central Street

Delete: Spot coating materials for the roof area and above the water line, coating materials shall be Series 1 Omnithane prime coat as indicated above and the top coat shall be a polyamidoamine epoxy, NSF approved, 68% solids or greater by volume product meeting HAP's Shop Rule for Solvent Emissions Limits. Coating shall be recommended for application to steel surface temperatures down to 35 °F. Coating product shall be Series N140 Pota-Pox Plus, as manufactured by Tnemec Company, Inc. or approved equal.

Insert:

Spot coating materials for the roof area and above the water line, coating materials shall be a spot coat of Series 1 Omnithane prime coat as indicated above. An intermediate spot coat shall be a phenalkamine epoxy, NSF 600 approved, 82% solids mixed or greater by volume product meeting HAP's Shop Rule for Solvent Emissions Limit. Coating shall be recommended for application to steel surface temperatures down to 35 °F. Coating product shall be Series 21 Epoxoline, as manufactured by Tnemec Company, Inc. or approved equal. A spot finish coat shall be Series 21 Epoxoline.

09200 3.11.D Coatings – Central Street

Delete:

The other coating product utilized on the interior for the roof area shall be Tnemec series N140 Poto-Pox Plus.

1. Series N140 Poto-Pox Plus - Once the prime coat has properly cured for recoat, the finish coat N140 Poto-Pox Plus shall be applied.
2. The top coating is a two component product that can be applied by the use of a high quality natural or synthetic bristle brush, or with a 3/8" to 1/2" synthetic woven nap roller.
3. The top coating can also be applied by air or airless spray if conditions are appropriate for spray application.
4. The top coating shall be applied to a DFT of 6.0 mil on the interior surfaces, and shall overlap existing coatings by 3-inches to provide a smooth and secure bond between coatings.
5. Upon completion the surface shall be smooth, and to a condition that does not promote the accumulation of undesirable matter.
6. The coating shall be continuous and free of any air bubbles, voids, splatter, drips, runs or any other similar undesirable condition, and the coating texture, color and gloss shall be uniform and free of any staining or blemishes.

Insert:

The other coating product utilized on the interior for the roof area shall be Tnemec Series 21 Epoxoline or approved equal.

1. Series 21 Epoxoline – once the spot coat (Series 1 Omnithane) has properly cured for recoat, the intermediate coat Series 21 Epoxoline shall be applied. A spot finish coat of Series 21 shall be applied after the intermediate coat.
2. The intermediate coating is a two-component product that can be applied by air spray gun DeVilbiss JGA using an E fluid tip.
3. The intermediate coating shall be applied to a DFT of 4.0-6.0 mil per coat on the interior surfaces and shall overlap existing coatings by 3-inches to provide a smooth and secure bond between coatings. The spot coating and rspot finish coating shall be applied to a DFT of 2.5-3.0 mils.

4. Upon completion the surface shall be smooth, and to a condition that does not promote the accumulation of undesirable matter.
5. The coating shall be continuous and free of any air bubbles, voids, splatter, drips, runs or any other similar undesirable condition, and the coating texture, color and gloss shall be uniform and free of any staining or blemishes.

09200A 2.1.G Coatings – Page Street

Delete:

ROOF COATING SYSTEM:

1. The coating material for the primer shall be an aromatic urethane, zinc-rich one component, moisture cured primer, NSF approved, 62% solids or greater by volume product meeting HAP's Shop Rule for Solvent Emissions Limits, ASTM D 520 Type III zinc and contain less than .002% lead. Coating shall be recommended for application to steel surface temperatures down to 35 °F. (Coating product shall be Series 94 H2O Hydro-Zinc and thinner shall be No. 49 or 3, as manufactured by as manufactured by Tnemec Company, Inc. or approved equal.)
2. The finish shall be two coats. The coating material shall be a polyamidoamine epoxy coating product, NSF approved and specifically manufactured for the use in interior and potable water storage tanks. The coating shall be 67% solids or greater by volume. Coating shall be recommended for application to steel surface temperatures down to 35 °F with accelerator. (Coating product shall be Tnemec Series N140 or N140F, thinner shall be No. 4, and accelerator shall be 44-700, as manufactured by Tnemec Company, Inc. or approved equal).

Insert:

ROOF COATING SYSTEM:

1. The coating material for the primer shall be an aromatic urethan, zinc-rich single-component, moisture-cured, NSF approved, 62% solids or greater by volume product meeting HAP's Shop Rule for Solvent Emissions Limits, ASTM D 520 Type III zinc and contain less than 0.002% lead. Coating shall be recommended for application to steel surface temperatures down to 35 °F. Coating product shall be Series 94-H2O Hydro-Zinc manufactured by Tnemec Company, Inc. or approved equal.
2. There shall be a stripe coat and the finish coat shall be two coats. The coating material shall be a phenalkamine epoxy, NSF approved and specifically manufactured for the use in interior and potable water storage tanks. The coating shall be 82% solids mixed or greater by volume product meeting HAP's Shop Rule for Solvent Emissions Limits. Coating shall be recommended for application to steel surface temperatures down to 35 °F. Coating product shall be Series 21 Epoxoline, as manufactured by Tnemec Company, Inc. or approved equal.

09200A 4.2.F Coatings – Page Street

Delete:

Roof coating system: One prime coat of 94 H2O Hydro Zinc at 3.0 mils dft, one stripe-coat of either Tnemec Series N140 or N140F (6.0 mils dft) (contrasting color to the first finish coat) and two coats of Tnemec Series N140 or N140F (6.0 mils dft) (with contrasting colors between coats). All DFT per suggested manufacturer values.

Insert:

Roof coating system: One prime coat of 94-H2O Hydro-Zinc at 2.5-3.5 mils dft, one stripe coat of Tnemec Series 21 Epoxoline at 4.0-6.0 mils dft per coat and two finish coats of Tnemec Series 21 Epoxoline at 4.0-6.0 mils dft per coat. All DFT per suggested manufacturer values.

09300A Part 2 Miscellaneous Work – Page Street

Insert:

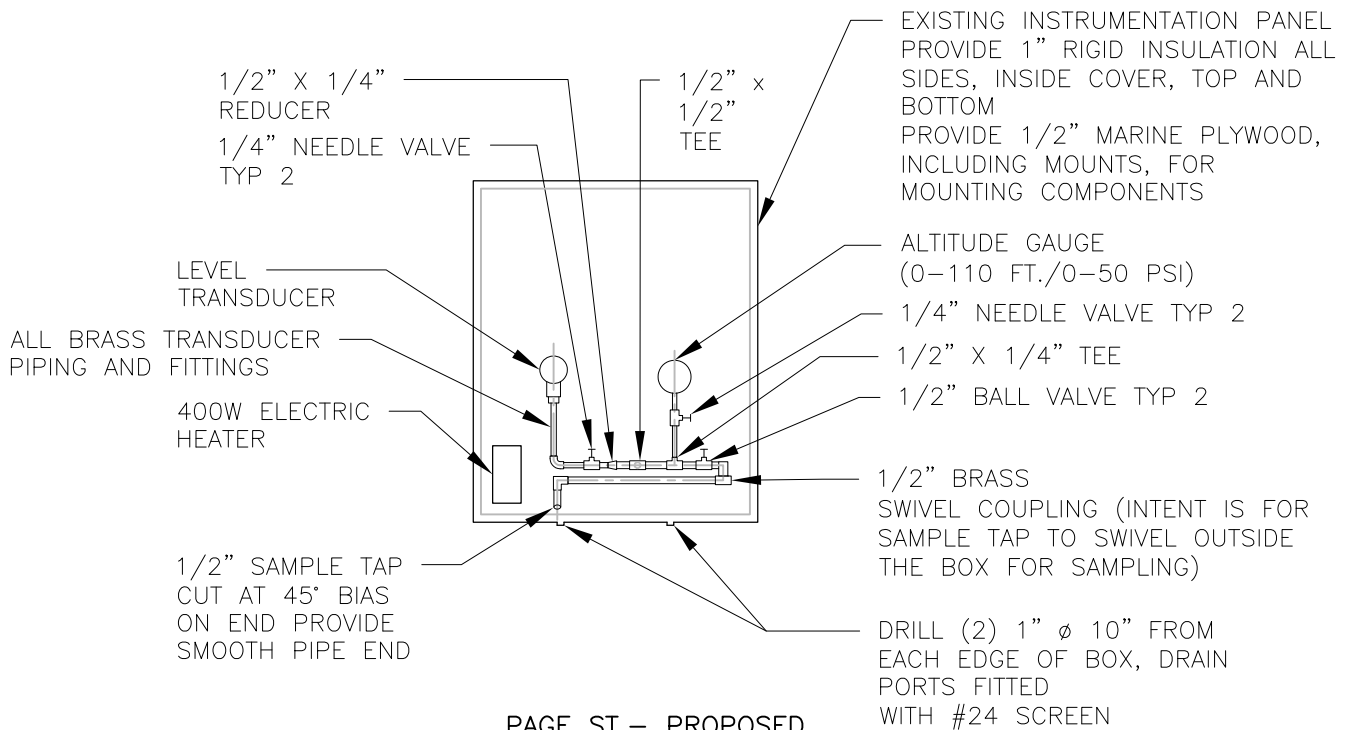
2.6 CABLE SLEEVE

- A. Provide one (1) cable sleeve that shall be 3M DBI-SALA, manufacturer number 6160054 or approved equal.
- B. Cable sleeve shall be stainless steel, 3/8 inch in diameter, have a minimum 310 pound capacity, and include a carabiner.
- C. The cable sleeve shall be manufactured by the same manufacturer as the safety climb system and shall match cable diameter.

Enclosed:

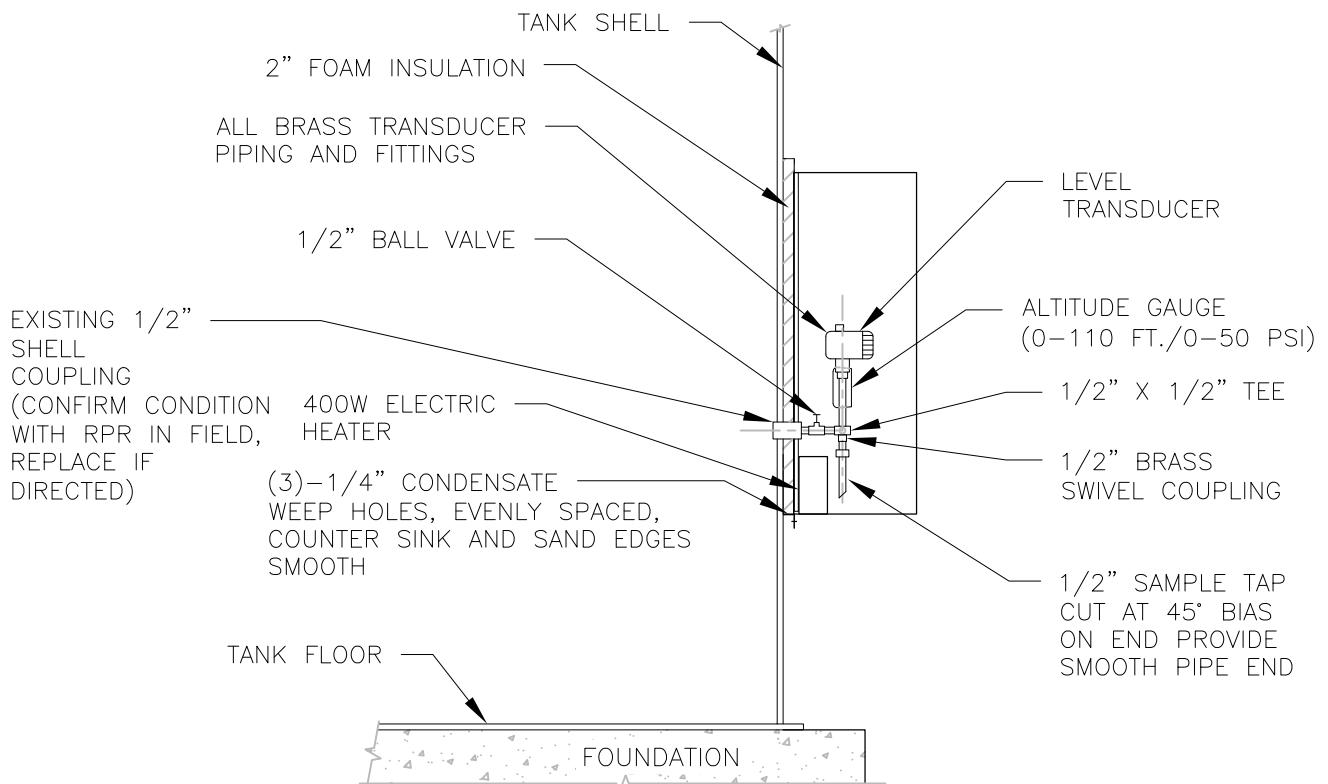
- DWG 3 – revised instrumentation panel piping configuration
- Measurement and Payment Page 17
- Central and Page St Photo Logs

END OF ADDENDUM



PAGE ST.- PROPOSED INSTRUMENTATION PANEL FRONT VIEW

NOT TO SCALE



PAGE ST.- PROPOSED INSTRUMENTATION PANEL SIDE VIEW

NOT TO SCALE

TOWN OF AVON, MASSACHUSETTS
AVON SELECT BOARD

DWG: ADDENDUM 1-FIG. 3

BY: LJC

**CENTRAL ST. AND PAGE ST.
TANK REHABILITATION
SAMPLING STATION**

CONTRACT NO:

DATE: APRIL, 2024

JOB NO:
3010102.AVO-014

REV:

SCALE:

REV DATE:



1. The unit price bid for Item 21 – Application of Sealant to Steel and Concrete Joints shall include all costs for equipment, materials and labor associated with the work as specified or reasonably implied, including but not limited to surface preparation, removal of existing sealant that is not intact or adhered to substrate, providing and preparing the sealant, placement of backer rod if necessary, application and protection of the product, and all other associated incidental work or materials necessary or customarily performed or supplied for the completion of the work in accordance with the Contract and the best practice of the trade.

1.24 PATCH PLATE WELDING (Item No. 22)

A. Measurement

1. Measurement for Item No 22 – Patch Plate Welding on the interior surfaces shall be based upon the square foot (SF) completed in compliance with the specifications and as directed by the Owner.

B. Payment

1. The unit price bid for Item 22 – Patch Plate Welding on the Interior Surfaces shall include all costs for equipment, materials and labor associated with the work as specified or reasonably implied, including but not limited to marking areas that need plating, assist the RPR in recording quantities for payment and reporting of information, properly cleaning of steel substrate through abrasive blasting or grinding, welding and post-grinding, and including all associated other incidental work performed or materials supplied necessary or customarily provided for the completion of the work in accordance with the Contract specifications and the best practices of the trade.
2. Patch plate welding may be used to rehabilitate the overflow box exterior lid and interior floor if metal loss is extensive and not repairable with pit filler.

END OF SECTION



AVON SELECT BOARD
CENTRAL STREET AND PAGE STREET TANK REHABILITATION


Photo No. 1	
Photo Date: 03.08.2024	
Site Location: Central Street Tank	
Description: Existing: Roof Plan Proposed: Radial handrail, wing handrail and circumferential handrail	
Photo By: MBK	

Photo No. 2	
Photo Date: 03.08.2024	
Site Location: Central Street Tank	
Description: Existing: Roof Plan Proposed: Radial handrail, wing handrail and circumferential handrail	
Photo By: MBK	



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Photo No. 3	
Photo Date: 03.08.2024	
Site Location: Central Street Tank	
Description: Existing: Cellular Antennae (6 total)	
Photo By: MBK	

Photo No. 4	
Photo Date: 03.08.2024	
Site Location: Central Street Tank	
Description: Existing: Ladder & Rigid Safety Climb System Proposed: New Flexible Safety Climb System	
Photo By: MBK	



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Photo No. 5	
Photo Date: 03.08.2024	
Site Location: Central Street Tank	
Description: Existing: Ellipsoidal Manway Proposed: New 30" Manway and Relocate Plaque	
Photo By: SMB	

Photo No. 6	
Photo Date: 03.08.2024	
Site Location: Central Street Tank	
Description: Central Street Tank Site Entrance	
Photo By: SMB	



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Photo No. 1	
Photo Date: 03.08.2024	
Site Location: Page Street Tank	
Description: Existing: Roof Antennae	
Photo By: MBK	

Photo No. 2	
Photo Date: 03.08.2024	
Site Location: Page Street Tank	
Description: Existing: Ladder & Rigid Safety Climb System Proposed: New Flexible Safety Climb System	
Photo By: MBK	



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CENTRAL STREET AND PAGE STREET TANK REHABILITATION



Photo No. 3	
Photo Date: 03.08.2024	
Site Location: Page Street Tank	
Description: Existing: Overflow Box	
Photo By: MBK	

Photo No. 4	
Photo Date: 03.08.2024	
Site Location: Page Street Tank	
Description: Existing: Overflow Box	
Photo By: MBK	



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CENTRAL STREET AND PAGE STREET TANK REHABILITATION


Photo No. 5	
Photo Date: 03.08.2024	
Site Location: Page Street Tank	
Description: Existing: Instrumentation Panel Proposed: Rehabilitate Instrumentation Box and Replace all Components and Materials	
Photo By: MBK	

Photo No. 6	
Photo Date: 03.08.2024	
Site Location: Page Street Tank	
Description: Page Street Tank Site Entrance	
Photo By: MBK	