ADDENDUM NO. 2
TO THE PLANS, SPECIFICATIONS, PROPOSAL AND CONTRACT FOR

SILVER LAKE WATER AND SEWER DISTRICT

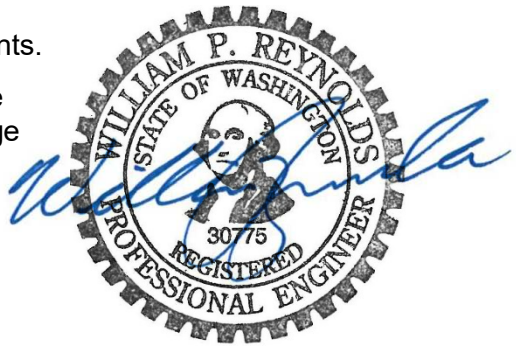
Reservoir No. 4 Roof Recoating
Project No.: 24-0001

ISSUED THIS DATE: **Thursday, April 4, 2024**
BID OPENING DATE: **Wednesday, April 10, 2024, at 11:00AM *(revised in Addendum 1)***
Bids due by 10:00AM *(unchanged)*

Addendum No. 2 shall be incorporated into the Contract Documents.

Bidders shall acknowledge receipt of this Addendum No. 2 on the Bid Signature Page of the Bid Proposal. Failure to so acknowledge may result in the Bid being rejected as not responsive.

The following changes are hereby incorporated into the Contract Documents for this project:



TECHNICAL SPECIFICATIONS

The project technical specifications have been revised. Replace Technical Specifications in the project manual with the attached new section. Additions/Revisions can be seen in red and underlined on pages VI-1 through VI-12.

MEASUERMENT AND PAYMENT DESCRIPTIONS

The measurement and payment descriptions for Bid Items #4-7 have been revised in the same format as the technical specifications and can be found at the end of this document. Replace Section VII Measurement and Payment Descriptions with the attached new section.

TECHNICAL SPECIFICATIONS

TS-1 – COATINGS AND CLEANING

1.0 General

1.1 Description

This project will involve the cleaning, surface preparation and subsequent recoating of the exterior roof of Silver Lake Water District's Reservoir No. 4. Specifically, the tasks associated with this project will include:

- Clean exterior surfaces of tank roof, shell walls and related appurtenances of all organic matter growth.
- Spot repair and overcoat exterior roof surface with specified coating systems.
- Other existing components to be prepared and recoated include:
    - 2 roof access stainless steel hatch covers.
    - 18 cathodic protection (CP) access port risers (with flanged caps).
    - 18 existing stainless steel CP access hole cover plates will remain in-place and also be coated.
    - Roof vent riser, up to but not including the vent cap assembly.
    - 1 roof hatch davit arm.

The work shall be performed without taking the tank out of service. Contractor shall take all necessary precautions to protect and maintain the quality of the water within the reservoir.

The precise phasing of work tasks shall be developed and submitted in a Work Phasing Plan prepared by the contractor for District approval.

1.2 References

1. ANSI/NSF 61 – Drinking Water System Components – Health Effects.
2. ASTM D 16 – Terminology Relating to Paint, Varnish, Lacquer, and Related Products.
3. AWWA C 652 – Disinfections of Water-Storage Facilities.
4. AWWA D 102 – Painting Steel Water Storage Tanks.
5. SSPC-SP 6/NACE 3 – Commercial Blast Cleaning.
6. SSPC-SP 10/NACE 2 – Near-White Metal Blast Cleaning.
7. SSPC-SP 11 – Power Tool Cleaning to Bare Metal.
8. SSPC-SP 12 – High Pressure Washing

1.3 Submittals

1. Contractor shall submit, prior to applying any coating, a list of the coatings and manufacturer that Contractor intends to use. List shall address the application for which each coating is intended, any surface preparation requirements, number of coats, method of application, and coating thickness.
2. Contractor shall submit, prior to District issuance of Notice to Proceed, Product Data Sheets with manufacturer's instructions for cleaning products, coatings, and thinners. Include Material Safety Data Sheets (MSDSs) for detergents, solvents, coatings, thinners, and other chemical and physical agents.
3. Contractor shall provide a drawdown card for Owner review for each topcoat provided.
4. Contractor shall submit for District review and approval a work and scheduling plan showing the various phases of improvements for each tank, with the intent of keeping the tank in service at all times.
5. Contractor shall prepare and submit a design for a temporary shield for the roof air vent that will protect the existing vent from cleaning and coating products and activities that could be inadvertently introduced into the tank. The proposed shield design shall maintain adequate air flow in and out of the tank during the project.
6. After contract award, a pre-construction meeting will be held. The Contractor is directed to Section 3.2 for a list of submittals required to be provided during the pre-construction meeting.

1.4 Quality Assurance

1. The coating manufacturer must specialize in manufacturing the products of this specification with a minimum of five years documented experience.
2. The coating contractor must specialize in performing the work of this specification with a minimum of five years documented experience.
3. Each painter must have a minimum of three years' experience in performing the type of work outlined in this specification. Contractor shall provide to Owner evidence of painter qualifications upon demand.
4. Owner will have a coating inspector on site at owner's cost to verify that the requirements of this specification are being met. However, it is Contractor's responsibility to ensure that the correct materials and equipment are being provided and that the workmanship (including surface cleanings, coating removal and disposal, surface preparation, coating application, testing, and repairs) are being completed as required by these specifications. Owner's Coating Inspector will be responsible for recording and documenting the progress of the work and will not be responsible for the quality of work being performed.

1.5 Delivery, Storage, and Handling

1. All materials shall be brought to the job site in the original unopened and labeled containers of the paint manufacturer and shall be subject to inspection by the Engineer. Contractor shall provide, in addition, one un-opened gallon container of each type and color of paint and each type of solvent and thinner used.
2. Store paints in a protected area that is heated or cooled as required to maintain temperatures within the range recommended by the paint manufacturer.

1.6 Existing Site Conditions

1. Tank Dimensions:
   a) 150 feet diameter, 68± feet tall. Welded steel, constructed in 2007.
2. Access to the site is through a locked gate at 2210 132nd St, Mill Creek, WA 98012. Entrance to the site is through a commercial parking lot, and key cards will be provided by the District. Access drive and tank site is paved.
3. Limited water is available onsite for contractor's use. Silver Lake will provide a water source at the District's expense via a hydrant meter with a backflow assembly on the fire hydrant adjacent to the reservoir.
4. Limited power is available onsite. Contractor shall provide power supply for any equipment requiring a load of 120 V, 20 amps or greater.

2.0 Material Requirements

2.1 Coating Materials

The paint and coating products of Tnemec are described in these specifications for the tank interior and exterior and are intended as a standard of quality. Specific coating systems are described below.

Tank Exterior Coating System– Exterior Recoat - roof, and appurtenances.

Coating	Product	Dry Film Thickness (DFT)	
		Minimum	Maximum
Spot Repair	Tnemec Series 27FC	2.0	4.0
Intermediate Prime	Tnemec Series 27FC	2.0	4.0
Finish	Tnemec Series 290	2.0	3.0

2.2 Coating Requirements:

1. Where specified, exterior coatings shall be tinted with factory grind dry pigments rather than utilizing local tinting of a clear base. Contractor shall be responsible for ordering sufficient quantities of factory-tinted paint as required for a complete project. Touch-up using locally tinted clear base will not be allowed.
2. Exterior topcoat shall contain factory blended mildewcide.
3. Contractor shall provide 1 gallon each of the exterior topcoat for future Owner use.
4. Compatibility. To assure compatibility, all coating products shall be of a single supplier.

2.3 Performance Criteria

Exterior Coating Products

Exterior Primer

1. ASTM D412 Tensile Strength, Method C Elongation

   Tensile strength = 436 psi

   Elongation @ break = 237%

2. FLEXIBILITY: CONICAL MANDREL, ASTM-D522

   No cracking

3. Water Vapor Transmission: ASTM D1653 Method B
   No more than 15.71 g/m2 per 24 hours water vapor transmission and no more than 1.23 perms water vapor permeance.

Finish

1. QUV Exposure, per ASTM D4587:
   (UVA-340 bulbs, Cycle 4: 8 hours UV/4 hours condensation). No blistering, cracking or chalking. No less than 61% gloss retention (31.4 units gloss change) and 1.89 DEFMC2 (MacAdam units) color change after 25,000 hours exposure.
2. Per ASTM D4141, Method C (EMMAQUA):
   No blistering, cracking or chalking. No less than 98% gloss retention, no more than 1 unit gloss loss and no more than 0.18 DEHunter color change after 2,000 MJ/m^2 (88,095 MJ/m2 total) EMMAQUA exposure.
3. Per ASTM D4141, Method C (EMMAQUA):
   No blistering, cracking or chalking. No less than 84% gloss retention, no more than 13 units gloss loss and no more than 0.41 DEHunter color change after 3,500 MJ/m^2 (128,951 MJ/m^2 total) EMMAQUA exposure.

2.4 Mixing

1. Prepare multiple component coatings using all the contents of the container for each component as packaged by the manufacturer. No partial batches will be permitted.
2. Do not use multiple-component coatings that have been mixed beyond their pot life.
3. Assure that all coatings are within the manufacturer's shelf life.
4. Have onsite small quantity kits for touch-up painting.
5. Mix only components specified and furnished by coating manufacturer.

2.5 Cleaning Materials

1. Cleaning materials must be compatible with the coating materials to be applied to the tank. Use only pre-approved, biodegradable products (see Section 3.5.6).

3.0 Execution

3.1 General

1. All surfaces shall be prepared in accordance with the recommendations of the manufacturer of the coating and to the surface preparation requirements of this specification, whichever is stricter.
2. All surfaces, appurtenances and equipment in the vicinity of coating that is not intended to receive coating shall be adequately covered, masked or otherwise protected from inadvertent exposure to coatings from overspray, or brush/roller contact.
3. Install an approved temporary shield for the roof air vent that will protect the existing vent from sanding, cleaning, and coating products and activities that could inadvertently be introduced into the tank. The shield shall maintain adequate air flow in and out of the tank during the project.
4. The sanding, cleaning and painting schedule shall be approved by the Engineer and no painting shall be completed before the prepared surfaces are approved by the Engineer.
5. Coat surfaces within eight (8) hours of cleaning and within the time recommended by the coating manufacturer's literature. Do not coat over visible rust bloom or contaminated surfaces. If, for any reason, rust bloom appears on the exterior surface to be coated, restore that surface to a near white metal blast (SSPC-SP 10). Ensure that the surfaces are clean, dry, and free of contamination prior to all coating applications. Protect all coated surfaces from damage during the curing process.
6. Mix coatings in accordance with manufacturer's recommendations. Do not exceed specified pot life.

7. Apply all coatings in accordance with SSPC-PA 1, these specifications, and the manufacturer's recommendations. If a conflict exists, apply these specifications.

8. Do not use materials that have been contaminated. Do not apply coatings to wet surfaces.

9. Apply coatings in uniform layers of 50% overlapping strokes. Remove all ridges, sags, runs, drips, and laps using a hand brush. Verify proper wet film thickness (WFT) often during coating application.

10. Protect uncured coatings from rain. Do not apply coatings if they will be exposed to rain prior to curing. If the coating is exposed to rain prior to curing, Contractor will remove or repair the coating to Owner's satisfaction at no additional cost to Owner.

11. Ongoing Security issues and theft have occurred on-site despite fencing and security cameras. Secure storage of contractor's equipment and materials is the responsibility of the contractor.

12. There is an existing davit arm at the top of the access stairs which can be utilized by the contractor for hauling construction materials and equipment vertically. There is no winch or hoist currently available on-site and the contractor is responsible for providing their own mechanical lifting device.

3.2 Pre-Construction Meeting

1. Prior to commencing work, the Owner will conduct a pre-construction meeting. The purpose of the pre-construction meeting is to establish a working understanding between all parties and to discuss construction schedule, submittals, permits, authorizations, applications for payment and payment processing, and other matters as may pertain directly to the Project.

2. Attendees shall include, but not be limited to: Engineer, Coating Inspector, Coating Contractor, and the Coating Manufacturer's Representative. Contractor shall supply, at a minimum, a detailed outline of the following:

   - All materials to be used including, but not limited to: cleaners, thinners, and specified coating materials.
   - Application work plan. The work plan shall include anticipated work sequence, method of application for all phases of the project including, but not limited to, cleaning (including method of mechanical agitation), coating application, and touch-up/repair work.
   - Anticipated mitigation strategies to prevent overspray and other contamination.
   - Methods and techniques for environmental protection such that the coatings, cleaning agents, rinse water and other potential contaminants are collected, contained and safely disposed.
   - Copies of Contractor's data sheets.

3. If the Contractor fails to provide required information, the Owner will schedule another pre-construction meeting. Contractor will be responsible for reimbursement to Owner of ALL costs (including Owner's Representative time) associated with rescheduling and conducting another pre-construction meeting. The time delay due to rescheduling the pre-construction meeting will not be cause for a claim by the Contractor.

3.3 Examination

1. Prior to starting work, Owner (or Owner's Representative) will complete a joint site-visit with Contractor to discuss any remaining questions regarding the project.

3.4 Surface Cleaning – Exterior Surfaces

1. The exterior of the tank shall be cleaned of all dirt, mildew, oil and greases. The tank should be pressure washed at 3000 PSI with a 4% solution of biodegradable detergent such as Great Lakes Extra Muscle Cleaner or approved equal. The use of a stiff bristle brush may be required to remove the tightly adherent dirt and/or mildew. In addition, spot treatment with 10% chlorine bleach solution may be required to remove mildew staining.
2. Clean all exterior tank surfaces using a heavy-duty water-based surface cleaner, approved by the coatings Manufacturer in accordance with SSPC-SP1.
3. All detergents and other cleaning products shall conform to AWWA Standards for use near potable water.
4. Follow manufacturer's recommendations for appropriate dilution levels. Cleaner can be applied using a brush, roller, mop, or low-pressure spray. NOTE: After cleaning, immediately rinse all surfaces with a high-pressure power washer. It is important that all surfaces be completely rinsed and that the cleaner not be allowed to dry on the tank surfaces. Perform a final rinse with clear fresh water (less than 100 ppm chlorides) to obtain a surface with a pH between 6.5 and 7.5.
5. All wash water shall be routed to the existing storm system through the reservoir downspouts and/or catch basins at ground level. All runoff water on-site is routed to the stormwater detention vault as shown on the Site Exhibit in the Appendix. The District will plug the outflow pipe of the detention vault, then collect and dispose of the collected water with a vactor truck at District expense.
6. The existing gutters along the perimeter of the reservoir shall be cleaned after the roof pressure washing, but not painted.

3.5 Surface Preparation – Exterior Roof Surfaces

1. Exterior: All exterior surfaces to be over-coated shall receive a high-pressure wash -- 3,500 PSI at 3.5 gallons per minute minimum, using a 0 degree rotating nozzle.

2. The Contractor shall take precautions not to damage or remove tightly adherent paint or primer in preparing the exterior surface of the structure for painting.

3. Holding the nozzle approximately 18" from surface if the pressure rating and washing distance for the high pressure washer removes tightly adherent paint or primer, then the Contractor shall reduce the pressure and/or change the spraying distance from nozzle to reservoir at the Engineers immediate request such that the existing paint systems remains intact.

4. The request and the Contractor's compliance to and performance of same shall not be considered a change of condition and as such will not be subject to any additional monies to the Contractor.

5. SP2 Hand Tool Cleaning of any remaining lifted edges of the existing coating.

6. Abrading (sanding or other method) is required on the entirety of the reservoir roof, to create a dull and scratched surface, followed by the application of Acetone or Methyl Ethyl Ketone (aka MEK or Butanone) or other approved solvent, prior to coating. Solvent applied needs to be adequately contained and cannot be allowed to drain to the existing on-site storm system.

   Stainless steel roof areas are to be abraded per SSPC-SP3 so long as the process doesn't "polish" the substrate. Abrading (sanding) is to be performed by power tool to leave a 2.0 mil angular profile. Airborne dust from sanding operations also needs to be adequately contained or collected, either by wet sanding or active vacuum collection. Under no circumstances can any sanding dust or debris be allowed to enter the interior of the reservoir.

3.6 Spot Repair – Exterior Surfaces

1. Damaged Materials: Repair or replace damaged materials and surfaces not scheduled to be coated.

2. Damaged Coatings: Touch-up or repair damaged coatings. Touch-up of minor damage shall be acceptable where result is not visibly different from adjacent surfaces. Recoat entire surface where touch-up result is visibly different, either in sheen, texture, or color.

3. Coating Defects: Repair in accordance with manufacturer's instructions coatings that exhibit film characteristics or defects that would adversely affect performance or appearance of coating systems.

4. Prepare damaged areas using hand or power tool cleaning methods in accordance with SSPC SP 2/SP 3 to remove up to one square foot (144 square inches) in area at each identified location of the existing coating. Hand scrape edges to remove any loose area remaining after surface preparation and feather out any hard edges to provide smooth transition for the touch-up coating. Feather sand approximately 2"-3" onto the existing coating to provide a profile to assure proper adhesion.

3.7 Coating Application – Exterior Surfaces

1. Coating application shall be by roller or brush. Spraying of coatings is not permitted.
2. Each coat of paint shall be applied at the rate, manner, and environmental conditions as specified by the manufacturer and approved by the Engineer, to achieve the minimum dry film thickness (DFT) required. DFT shall be measured in accordance with the requirements of SSPC PA-2. Deficiencies in the DFT shall be corrected by the application of an additional coat(s) of paint. Additional coats of paint shall not be applied until paints are thoroughly dry.
3. Contractor shall **NOT** apply coatings under the following conditions:
    - Temperature exceeding the manufacturer's recommended maximum and minimum allowable.
    - Dust or smoke laden atmosphere.
    - Damp or humid weather.
    - When the air temperature is expected to drop below 40°F or less than 5°F above the dew point.
    - Relative Humidity greater than 80%.
    - When wind conditions are not calm.
4. The dew point shall be determined by use of a sling psychrometer in conjunction with the U.S. Department of Commerce, Weather Bureau Psychrometric Tables. Other methods of dew point determination must be pre-approved by the Engineer.

3.8 Striping of Irregular Surfaces

1. Stripe coat the following critical locations with the approved intermediate coating following the application of the primer coat: bolts, joints, corners, edges, welds, and any other places where paint has a tendency to break down.
2. Brush-apply coating to critical points. If striping is spray applied, brush the coating into irregular surfaces using back and forth strokes so as to ensure that the coating is applied to all irregular surfaces.
3. Allow the striping coat to dry to the touch or cure for two hours prior to applying primer coat.

3.9 Prime Coat Application (Spot Repairs)

1. Apply primer coat in accordance with manufacturer's recommendations and these specifications.
2. If primer coat fails to meet required minimum DFT, apply the necessary wet film thickness needed to obtain the specified DFT. Monitor coating thickness in accordance with SSPC-PA 2.

3. Follow manufacturer's recommendations for time to overcoat prior to applying intermediate coat.

3.10 Intermediate Coat Application (Full surface of roof and other appurtenances)

1. Approval of appropriate primer coat must be obtained by the Engineer prior to application of the intermediate coat.
2. Ensure that all surfaces to be coated are clean and free of dust, oil, grease or other contaminants prior to intermediate coat application. Use clear, fresh water (less than 100 ppm chlorides) to clean contaminated areas.
3. Monitor wet film thickness (WFT) of intermediate coat during application. If intermediate coat fails to meet required DFT, then apply correct WFT needed to obtain correct DFT. Monitor coating thickness in accordance with SSPC-PA 2.
4. Follow manufacturer's recommendations for time to overcoat prior to applying top coat.

3.11 Finish Coat Application Full surface of roof, and other appurtenances)

1. Approval of intermediate coat must be obtained by the Engineer prior to application of the top coat.
2. Ensure that all surfaces to be coated are clean and free of dust, oil, grease or other contaminants prior to top coat application. Use clear, fresh water (less than 100 ppm chlorides) to clean contaminated areas.
3. Monitor wet film thickness (WFT) of top coat during application. If top coat fails to meet required DFT, then apply correct WFT needed to obtain correct DFT. Monitor coating thickness in accordance with SSPC-PA 2.

3.12 Field Quality Control

1. The completed coating system shall produce a minimum dry film thickness in accordance with these specifications. Verification of proper DFT will be as per SSPC-PA 2 for each coat of the coating system. In areas where required thickness is not obtained, sufficient coats shall be applied to produce the required coating thickness. In areas where excess thickness is noted, remove excess thickness to the required surface preparation and reapply.
2. All preparation and coatings application shall be performed only in the presence of the Owner's representative unless prior approval has been granted to perform work in their absence.
3. Scaffolding shall be erected and moved to locations where requested by the Engineer to facilitate inspection. Additional illumination shall be provided to cover all areas to be inspected.
4. The District will be providing an independent NACE/AMPP Painting Inspector at District cost to perform specified inspections during preparation for painting and the painting process for the reservoir roof. Principal inspections will occur to ensure compliance with these specifications.

Contractor shall plan for and accommodate independent inspection of the following activities:

- Surface preparation
- Application of spot prime coat
- Brush on strip coat
- Application of intermediate coat
- Application of finish coat
- Dry film thickness testing
- Holiday testing
- Environmental Conditions

~~The full coated surface shall be checked for "holidays" using a low voltage, wet sponge holiday detector producing 67.5 volts (NACE SP0188).~~

3.13 Coating Repair

1. Damaged Materials: Repair or replace damaged materials and surfaces not scheduled to be coated.
2. Damaged Coatings: Touch-up or repair damaged coatings. Touch-up of minor damage shall be acceptable where result is not visibly different from adjacent surfaces. Recoat entire surface where touch-up result is visibly different, either in sheen, texture, or color.
3. Coating Defects: Repair in accordance with manufacturer's instructions coatings that exhibit film characteristics or defects that would adversely affect performance or appearance of coating systems.

3.14 Site Clean-Up

1. All surface preparation/paint residue shall be collected daily and deposited in containers supplied by the Contractor as temporary storage.
2. Prior to final acceptance by the Owner, the Contractor must removal all spent surface preparation material, masking and protection materials, and other debris from the job site.
3. Maintain the site in a neat and orderly fashion. Do not allow rags, paint cans, pallets, or other materials to accumulate.
4. Restore ruts or other track marks left by lifting equipment or other vehicles, and any spilled or overspray of coatings.
5. Upon completion of project, restore the site to the original or better condition to the satisfaction of Owner.

3.15 Acceptance

1. Acceptance of the completed coatings shall be based upon the proper application and proper preparation of the coated surfaces and a finished product that does not contain: runs, drips, surface irregularities, overspray,

cracks, pinholes, holidays, and other surface signs that detract from the overall appearance and performance of the finished product.

3.16 Coating Warranty

1. The coating system shall be warranted for a period of two years following final acceptance by the Owner.
2. Two anniversary inspections shall be scheduled by the Owner. The first anniversary inspection shall be 11 months after the project has been formally accepted by the Owner as complete. The second anniversary inspection shall be 23 months after the project has been formally accepted by the Owner as complete. The Owner shall notify the contractor at least 30 days in advance of the scheduled inspection. If the first inspection date has not been established within 13 months after the formal acceptance, the first anniversary inspection shall be considered to be waived. If the second inspection date has not been established within 25 months after the formal acceptance, the second anniversary inspection shall be considered to be waived.
3. As part of both anniversary inspections, the Contractor shall prepare and deliver to the Owner an Inspection Report. The report shall include the number and types of failures observed, percentage of the surface area where failure has occurred and names of those in attendance at the anniversary inspection.
4. The Contractor shall be prepared to perform any remedial work necessary after the first anniversary inspections are completed. Any required remedial work shall be scheduled with the Owner. Such remedial work shall be completed in the shortest practicable time possible, considering the prevailing weather conditions that would affect such work.
5. A failure of the painting system shall be considered to have occurred at any location where coating has peeled off, blistered, or cracked and any location where rusting is evident. The Contractor shall make repairs at all points where failures are observed by removing the deteriorated coating, cleaning the surface, and recoating with the same paint system and in accordance with these specifications. If the area of failure exceeds 25 percent of the area of a portion of the tank surface, then for that portion, the entire paint system shall be removed and repainted.

3.17 Concluding Statement:

1. All facets of Specifications pertaining to NACE and SSPC surface preparation application, number of coats, film thickness, inspection and performance criteria shall be adhered to, including manufacturer's recommendations, and items as specified herein.
2. The reservoir painting shall be guaranteed for a period of two years after the date of formal acceptance by the Owner. Any defective painting shall be repaired by the Contractor at its expense, both at the time of acceptance and at the first and second year anniversary inspections.

3. The District will be providing inspection services at District cost for preparation and coating activities throughout the project.

END OF TECHNICAL SPECIFICATIONS

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VII – MEASUREMENT AND PAYMENT DESCRIPTIONS

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MEASUREMENT AND PAYMENT

GENERAL

The contract price shall constitute full compensation for furnishing all plant, labor, material and equipment for performing all the work operations required to construct and complete items as shown on the drawings. The contract price shall include all overhead costs, transportation, insurance, profit and any other information costs related to the work.

Payment for the complete work shall be considered full compensation and shall include all minor items required for a complete job, but not specifically mentioned in the Contract Documents, or not having a specific pay item. Work will be paid for under one item only. Payment shall be made for Bid Schedule items only and no additional compensation will be made.

BID ITEM NO. 1
MOBILIZATION

The lump sum price (LS) bid for Mobilization consists of preconstruction expenses and preparatory work operations which occur before 10 percent of the total original contract amount is earned from other contract items.

When 5 percent of the total original Contract amount is earned from other Contract items, excluding the amounts paid for materials on hand, 50 percent of the amount Bid for mobilization, or 5 percent of the total original Contract amount, whichever is the least, will be paid.

When 10 percent of the total original Contract amount is earned from other Contract items, excluding the amounts paid for materials on hand, 100 percent of the amount Bid for mobilization will be paid.

BID ITEM NO. 2
MINOR CHANGES

Payments or credits for changes amounting to $15,000.00 or less may be made under the Bid item "Minor Changes". All "Minor Change" work will be within the scope of the Contract Work and will not change Contract Time. Any work performed as Minor Changes shall be authorized by the Owner prior to work proceeding. Payment will be made by Force Account in accordance with Section 1-09.6 of the Standard Specifications.

BID ITEM NO. 3
ENVIRONMENTAL PROTECTION

The lump sum price (LS) bid for Environmental Protection shall be full compensation for the cost of labor, material and equipment to protect the environment, District facilities and property from contamination by coatings, cleaning products, rinse water and other materials per plans and project specifications. Payment shall include, but not necessarily be limited to the following:

1. Provide equipment as necessary to protect the environment at all times during pressure washing, sanding, cleaning, coating and coating cure.

2. Install protective barriers including a shield for the water tank roof vent and other openings of the water tank.

3. Provide dust and runoff control as necessary for worker safety and to prevent dust and contaminants from escaping the containment system.

BID ITEM NO. 4

PAINT SPOT REPAIRS

The unit price bid per each (EA) for Paint Spot Repair shall constitute full compensation for providing all labor, materials, supplies, equipment, and tools necessary to remove damaged coatings and apply new Tnemec coatings to the surface of the tank in accordance with these Specifications up to one square foot (144 square inches) in area at each identified location.

Included in this bid item are any additional costs incurred to properly store paint, and treat tank surface both before and after Tnemec coating to ensure the Manufacturer's requirements are met for the coating system specified in these documents.

Included in this bid item are all costs for removal and disposal of cleaning product residue, paint debris, etc. per project specifications. Payment shall include, but not necessarily be limited to the following:

1. Determining the appropriate disposal method.

    a. Removing all cleaning products and removed surface coatings from roof and around reservoir after preparation process.

    b. Hauling of waste material to approved solid waste landfill or recycling of waste material.

    c. All dump fees, testing & permit fees associated with hauling and disposal.

BID ITEM NO. 5
RESERVOIR EXTERIOR – ROOF PREPARATION AND COATING

The lump sum price (LS) bid for Exterior Prep and Coating (Spot Repair and Overcoat) shall be full compensation for the cost of labor, material and equipment to prepare and overcoat the reservoir roof per plans and project specifications. Payment shall include, but not necessarily be limited to the following:

1. Walk-through inspection of the reservoir to assess the extent of repairs to be made and prep work involved. The date that the site will be open for inspection is stated in the Bid Advertisement.

2. Pressure washing of the reservoir roof per these specifications.

3. Abrading of all painted roof areas and stainless steel as needed, per technical specifications Section 3.5.6.

~~3~~ 4. Mask off areas not to be painted.

4 5. Overcoat by hand roller and brush the entire roof exterior of the reservoir. Exterior of reservoir includes but is not limited to:

- 2 roof access stainless steel hatch covers.
- 18 cathodic protection (CP) access port risers (with flanged caps).
- 18 existing stainless steel CP access hole cover plates will remain in-place and also be coated.
- Roof vent riser, up to but not including the vent cap assembly.
- 1 roof hatch davit arm.

Overcoating of roof includes:

a) Preparatory surface wash of reservoir to remove all organic contaminants.

b) Surface prep of the roof, railings, and other appurtenances as required in the specifications.

c) Protection of all cables, conduits, control panels and other related equipment not intended to be coated.

d) All surface and material testing (performed by NACE/AMPP inspector at District expense) as called out in the specifications as being the responsibility of the contractor.

e) Clean all surfaces of loose rust, dust and traces of blast product.

f) Provision of all coating materials.

g) Coat the exterior of reservoir roof as called for in the specifications.

h) Provide accommodations in scaffolding, lighting, and access as necessary for inspections by the Owner's representatives.

BID ITEM NO. 6
RESERVOIR EXTERIOR – SIDEWALL CLEANING

The lump sum price (LS) for Reservoir Exterior – Sidewall Cleaning shall be full compensation for the cost of labor, material and equipment for pressure washing the gutters, sidewalls, overflow pipe and spiral staircase of the reservoir.

BID ITEM NO. 7
DISPOSAL OF WASTE MATERIAL

The lump sum price (LS) bid for Disposal of Waste Material and Cleanup shall be full compensation for the cost of labor, material and equipment to provide for the removal and disposal of detergent rinse, paint debris, etc. per project specifications. Wash water shall be routed to the existing storm system, with disposal performed by the District. Payment shall include, but not necessarily be limited to the following:

1. Determining the appropriate disposal method based on the contaminants.
2. Collection and containment of waste runoff.
3. Hauling of waste material to approved solid waste landfill or recycling of waste material.
4. Maintain chain of custody documentation and provide completed copies.

5. All dump fees, testing & permit fees associated with hauling and disposal.

BID ITEM NO. 8
GENERAL RESTORATION AND CLEANUP

The lump sum price (LS) bid for Restoration and Cleanup shall be the cost of cleaning up and removing from the site all debris resulting from the painting and other construction activities, and repair/replacement of any existing items removed or damaged during the work and general housekeeping work needed to bring the site back to its pre-existing condition.

END OF MEASUREMENT AND PAYMENT