ADDENDUM NUMBER 1

ISSUED: December 31, 2025

to the Contract Documents for:

HENRY COUNTY PUBLIC SERVICE AUTHORITY
UPPER SMITH RIVER WFP ALUM LAGOON CULVERT REHABILITATION

Prepared by: CHA Consulting, Inc.
1341 Research Center Drive, Suite 2100
Blacksburg, Virginia 24060
CHA Project Number: 093004.000

The following revisions, additions, and clarifications are hereby made part of the Contract Documents for the Project and shall be taken into account in the preparation of all bids and the execution of the Work. Bidders shall acknowledge receipt of the addendum in the appropriate space on the Bid Form.

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1. Project Manual Appendix B – Original Lagoon Construction Plan: **ADD** Note 3 as follows:

   "3. THE LAGOON DECANT OUTLET PIPE (6" DI) MAY BE SHUT OFF FOR A MAXIMUM OF TWO CONSECUTIVE DAYS. THE CONTRACTOR MAY PLACE A COFFER DAM AROUND THE LAGOON DECANT OUTLET PIPE AND PUMP DISCHARGE THROUGH A SEDIMENT FILTER BAG OR TEMPORARILY PIPE DISCHARGE AROUND THE WORK AREA."

2. Project Manual Appendix B – Original Lagoon Construction Plan: **ADD** Note 4 as follows:

   "4. AT THE CONTRACTOR'S OPTION, SETTLED SOLIDS MAY REMOVED VIA WATER JETTING, PROVIDING THE DISCHARGE IS COLLECTED IN A COFFER DAM AT THE CULVERT OUTLET WITH THE PUMPED DISCHARGE FILTERED THROUGH A SEDIMENT FILTER BAG."

3. Project Manual Appendix B – Original Lagoon Construction Plan: **ADD** Note 5 as follows:

   "5. PROVIDE A HYDROPHILIC SEAL BETWEEN A FABRICATED CIPP LINER AND STORM DRAIN MANHOLE CHANNEL. SUBMIT PROPOSED HYDROPHILIC SEAL WITH THE CIPP LINER SHOP DRAWING."

4. Section 012200 – Unit Prices: **ADD** "Joint grouting for infiltration control where necessary for lining shall be considered incidental to the Work." after the first sentence in Section 012200-3.1.C.2.

5. Section 330130.75 – Spray-Applied Mortar Pipe Lining: **REPLACE** Section 330130.75 with the attached Section 330130.75 adding common cementitious mortar requirements.

6. CLARIFICATION: For liner thickness calculations, Bidders should note that the maximum overburden (soil only) occurs at the earthen embankment (Top EL 940) above the culvert outlets (Invert EL 902) as indicated in Appendix B – Original Lagoon Construction Plan, which also indicates the maximum water level (EL 936). Bidders may assume a maximum alum sludge depth of 14' and a minimum alum sludge depth of 2' at a unit weight of 110#/CF. A variable liner thickness will not be allowed.

7. CLARIFICATION: For Bidder convenience, the original lagoon construction plan is attached without annotation.

8. CLARIFICATION: For Bidder convenience, Bidders may view the provided pre-design CCTV footage of the culverts to be lined. The provided data shall *not* be considered Technical Data or information on which Bidder's may rely in accordance with the General Conditions.
9. The Pre-Bid Conference Minutes, including attendance record, are attached.

END OF ADDENDUM

SECTION 330130.75 – SPRAY-APPLIED MORTAR PIPE LINING

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:
1. Spray-Applied Mortar Pipe (SAMP) Lining:
a. The SAMP process is defined as the reconstruction of gravity sewer pipe or stormwater culvert by the installation of cementitious or geopolymer mortar. The liner is centrifugally cast or hand sprayed to the host pipe. The liner thickness and curing schedule shall follow guidelines specified by the liner manufacturer. The SAMP shall extend the full length of the pipe reach being rehabilitated and shall provide a structurally sound, impermeable and jointless pipe that when set is mechanically bonded to the host pipe.

1.2 QUALITY ASSURANCE

A. Referenced Standards:
1. American Society for Testing and Materials (ASTM):
a. C20, Standard Test Methods for Apparent Porosity, Water Absorption, Apparent Specific Gravity, and Bulk Density of Burned Refractory Brick and Shapes by Boiling Water
b. C31, Standard Practice for Making and Curing Concrete Test Specimens in the Field
c. C39 / C109, Compressive Strength Hydraulic Cement Mortars
d. C78, Flexural Strength of Concrete
e. C138 / C64, Standard Test Method for Density
f. C267, Chemical Resistance of Mortars, Grouts, & Monolithic Surfacings & Polymer Concretes
g. C469, Static Modulus of Elasticity & Poisson's Ratio of Concrete Compression
h. C496, Splitting Tensile Strength of Cylindrical Concrete Specimens
i. C596, Standard Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement
j. C666, Freeze Thaw Durability
k. C807, Set Time of Hydraulic Cement Mortar
l. C882, Bond Strength of Epoxy-Resin Systems Used with Concrete by Slant Shear
m. C1090, Shrinkage Test
n. C1138, Standard Test Method for Abrasion Resistance of Concrete (Underwater Method)
o. C1202, Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration
p. C1583, Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)
q. F2414, Practice for Sealing Sewer Manhole Using Chemical Grouting
r. F2551, Practice for Installing a Protective Cementitious Liner System in Sanitary Sewer
s. F3706, Standard Practice for In Field Spray Applied Mortar Linings for Large Diameter Stormwater and Sewer Conduits
2. Manholes National Association of Sewer Service Companies (NASSCO):
a. Recommended Specification Guidelines for Sewer Collection System Rehabilitation
b. Performance Specification Guideline for Spray-Applied-Pipe-Liner (SAMPL) Installation for Gravity Pipelines

B. Qualifications:

1. Supplied by a single manufacturer or supplier.
2. The manufacturer shall have a minimum of five years of experience manufacturing the proposed lining system.
3. The Contractor shall be certified by lining system manufacturer and shall have installed a minimum of 10,000 FT of proposed liner. The lead personnel including the supervisor, the foreman, and the lead crew personnel for the CCTV inspection and the SAMP lining installation must have a 3-year minimum total experience with the SAMP technology proposed for this Contract and must have demonstrated competency and experience to perform the scope of work contained in this Contract.

1.3 SUBMITTALS

A. See Section "Submittal Procedures".

B. Shop Drawings:

1. Design calculations including:
    a. Minimum liner thickness
2. Product technical data including:
    a. Manufacturer’s acknowledgment that products submitted meet requirements of standards referenced.
    b. Mix design.
    c. Field test results from prior projects.
    d. Manufacturer's installation instructions, including:
        1) Water/material mixing ratio and minimum and maximum mixing water temperatures.
        2) Recommended cure schedule.
    e. SAMP Field Samples:
        1) Submit test results from previous field installations in the USA of the same SAMP lining system as proposed for the actual installation.
        2) These test results must verify that the SAMP physical properties specified above have been achieved in previous field applications.
3. Comprehensive schedule of proposed curing methods and locations.
4. Installer’s statement of qualifications.
5. Independent testing laboratory qualifications.
6. MSDS Sheets.
7. Pre- and post-installation video inspections and logs.
    a. Pre- and post-installation video inspections and logs shall be submitted to the Engineer for review prior to submitting an Application for Payment requesting payment for that portion of the Work.

C. Phasing Plan including bypass pumping procedure.

D. Test results.

1.4 DELIVERY AND STORAGE

A. All materials shipped to the project site shall be accompanied by test reports certifying that the material conforms to the specified standards.

B. Materials shall be shipped, stored, and handled in a manner consistent with written recommendations of the SAMP system manufacturer to avoid damage. Materials are to be kept dry, protected from weather, and stored under cover within the temperature ranges recommended by the Manufacturer. Damaged or unsuitable products shall not be installed and shall be removed from the Project Site.

C. Damage includes, but is not limited to, broken seals on containers, visible damage to packaging, or exposure to moisture.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
   1. Vortex Companies.
   2. Or approved equal.

B. Submit request for substitutions in accordance with Section "Product Requirements".

2.2 MATERIALS

A. Spray-Applied Mortar Pipe Lining System:
   1. The SAMP lining system shall be a reinforced cementitious or geopolymer mortar that meets the requirements of ASTM F3706.
      a. The SAMP shall meet the chemical resistance requirements of ASTM C267.
      b. SAMP samples for testing shall be of a mortar system similar to that proposed for actual construction.
      c. The SAMP liner shall have a uniform thickness that meets the minimum thickness determined by the approved design calculations.
      d. The Contractor shall verify the host pipe insider diameter and laying lengths in the field prior to ordering and prior to application.
      e. Once the pipe is prepared for lining, the Contractor shall test the host surface for pH utilizing pH 0 to 13 paper test strips.

B. Spray-Applied Mortar Pipe Liner Structural Requirements:
   1. The SAMP shall be designed for a 50-year (min) service life.
   2. The SAMP shall conform to the minimum structural standards, as follows:
      a. Compressive Strength, 8,000 psi at 28 days, ASTM C39/C109.
      b. Density, Dry: 90-115 lb/ft^3, ASTM C138, Wet: 130-145 lb/ft^3, ASTM C20.
      c. Modulus of Elasticity, 500,000 psi, ASTM C469.
      d. Flexural Strength, 800 psi at 28 days, ASTM C78.
      e. Tensile Strength, 600 psi at 28 days, ASTM C496 or similar testing procedure conducted at an approved independent testing laboratory.
      f. Bond Strength, 300 psi at 7 days, ASTM C1583.
      g. Shrinkage, $\leq$ 0.01% at 28 days, ASTM C596 or C1090.
      h. Initial Set Time, safe to take water flow at < 4 hours, ASTM C807.

2.3 DESIGN

A. Design each segment of lining for a fully deteriorated pipe condition and the following loadings and factors:

1. Soil Density: 120 LB/CU FT.
2. Live Load: HWY H20, 16,000 LBS.
3. Pipe Depth: Minimum and maximum depths found in the field.
4. Groundwater: ½ pipe depth.
5. Ovality: As measured, 3% minimum.
6. Minimum Service Life: 50 years.
7. Minimum Factor of Safety of 2.0.

B. Design with a long-term (50-year extrapolated) Modulus Retention Factor as determined in accordance with ASTM D2990.

C. Lining design shall be in accordance with ASTM F3706.

PART 3 – EXECUTION

3.1 PUBLIC NOTIFICATION

A. Public Notification - A public notification program shall be implemented, and shall as a minimum require the Contractor to be responsible for contacting each home or business connected to the sanitary sewer and informing them of the work to be conducted and if the sewer service will be unavailable. The Contractor shall also provide the following:
   1. Written notice to be delivered to each home or business describing the work, schedule, how it affects them, and a local telephone number of the Contractor they can call to discuss the project or any problems which could arise.
   2. Personal contact with any home or business which cannot be reconnected within the time stated in the written notice.

3.2 INSTALLATION PREPARATION

A. Cleaning and inspection shall be in accordance with Section "CCTV Inspection and Cleaning of Existing Sewers".

B. Inspection of sewer pipe - Inspection of sewer pipe shall be performed by experienced personnel trained in locating breaks, obstacles, and service connections by closed circuit televisions after cleaning operations. The interior of the sewer pipe shall be carefully inspected to determine the location of any conditions which may prevent proper installation of the liner into the existing sewer pipe. Such conditions shall be noted so that these conditions can be corrected. A video and suitable log shall be kept for the Owner.

C. Sewer Pipe Obstructions - The sewer pipe shall be cleared of obstructions such as solids, dropped joints, protruding service connections or collapsed pipe that may prevent pipe installation. If inspection reveals an obstruction that cannot be removed by conventional sewer cleaning equipment, then a point repair excavation shall be made to uncover and remove or repair the obstruction. Such point repair shall be approved in writing by the Owner(s) representative prior to commencement of the work and shall be considered as a separate pay item.

D. Locations - The Contractor shall be responsible for confirming the locations of all branch connections prior to installing replacement pipe.

3.3 SEWAGE BY-PASSING

A. The Sewage by-pass pumping shall be in accordance with Section "Maintenance of Wastewater Flows".

3.4 INSTALLATION

A. SAMP installation shall be in accordance with ASTM F3706, except as noted below.

B. Material Mixing:
   1. The Contractor shall add the geopolymer liner material to the batch water following the manufacturer's water/material ratio. The ability to adjust and monitor the addition of water through the use of a water meter is required.
   2. Mixing water temperatures must be determined following the manufacturer's guidelines before blending operations begin. The mixing water temperature shall be recorded at multiple times throughout mixing and installation. Water temperatures shall be maintained at all times to within the limits required by the manufacturer.
   3. The lining material shall be mixed in a high shear mixer, or similar, to ensure thorough and uniform mixing of the water with the material prior to pumping.

C. Centrifugal Application of Lining Material
   1. The lining material shall be applied to a damp surface with no free water.
   2. The material delivery hose shall be coupled to a spin cast applicator device.
   3. The spin cast applicator device shall be positioned within the center, or as required to achieve uniform coverage as dictated by the diameter, size, and shape of the pipe.
   4. Spraying of the pipe shall be performed in a manner such that material is applied evenly and consistently throughout the entirety of the pipe.
   5. Multiple passes shall be made, if necessary, until the specified minimum finished thickness is attained.
   6. If the application procedure is interrupted for any reason, the operator shall arrest the longitudinal transition of the applicator head until flows are recommenced.
   7. A spray application nozzle may be required in conjunction with the spin casting head to facilitate uniform application of material to irregularities in the contour of the pipe walls.
      a. The liner material delivery hose shall be coupled to a medium-velocity spray application nozzle.
      b. A spinner head that has a speed adjustment for making multiple position changes per minute is required.

D. Hand Spray Application
   1. The liner material hose shall be coupled to a spray application nozzle. Pumping of the material shall commence and the mortar shall be atomized by the introduction of air at the nozzle, creating a spray pattern for material application.
   2. Spraying shall be performed in a manner such that material is applied evenly and consistently throughout the entirety of the pipe.
   3. Troweling of materials, when necessary to known down high points and/or irregularities, shall begin immediately following the spray application. Initial troweling shall be in a motion to compress the material into any voids within the structure walls. Precautions should be taken not to over trowel.
   4. Applied material should be troweled smooth. Brushing/sponging shall be performed, if indicated.

E. Thickness Readings

1. During application, the Contractor shall regularly perform thickness readings with a method approved by the manufacturer.
    a. Material thickness may be determined using permanent depth gauges attached to the host pipe prior to liner application or by using a handheld depth gauge.
2. Thickness measurements should be made in at least three locations within the pipe being lined to include both ends and the middle of the pipe.
3. In corrugated metal pipe, the corrugations shall be completely filled prior to application of the design thickness.
4. Liner thickness shall provide at least 1" of cover over any metal appurtenance or component, such as pipe reinforcement, bolts, straps, or other construction hardware.
5. Liner thickness shall not change the pipe invert elevation, as measured from the top of metal corrugations if present, more than 2".

F. Curing

1. The manufacturer's recommended cure schedule must be strictly adhered to at all times.

G. Finish:

1. Termination of the liner at the end of a pipe or at a manhole shall be completed by hand applying the liner to the outer surface of the pipe or into the interior of the manhole. The finished liner shall make a tight seal with no annular gaps.
2. Repair:
    a. Any defect which will or could affect the structural integrity of the lining shall be repaired at the Contractor's expense in accordance with approved procedures proposed for that purpose.
    b. If the wall of the SAMP leaks, it shall be repaired at the Contractor's expense in accordance with approved procedures proposed for that purpose.

3.5 INSERTION PITS AND MANHOLES

A. Insertion pits shall be only as large as required to accommodate the equipment. All pit dimensions and locations shall be approved by the Engineer in writing, prior to beginning work. Any change requiring changes in the submitted design shall be approved by the Engineer in writing prior to effecting said change.

B. Manholes may be placed at insertion pit locations. All damaged manholes shall be replaced. Manhole size and backfill of the manhole and any pipe shall be in accordance with the specifications. Direct payment for removal and replacement of manholes used as an insertion pit shall not be made but considered subsidiary to the Bid.

3.6 REINSTATEMENT OF SERVICES AND BRANCH CONNECTIONS

A. Laterals and branch connections shall be properly reinstated and put back in service. Any excessive liner material at the connection point shall be removed.

B. The Contractor shall insure that no infiltration is originating at the point of connection.

C. Services and branch connections shall be completed by hand, applying the liner to the outer surface of the connection to the pipe and smoothly tapering it into the service or branch pipe. No rough edges or abrupt transitions that could catch debris or hinder the flow shall remain.

3.7 TESTING

A. Testing costs shall be by the Contractor and shall be included in the Unit Price included with the Bid.

B. Samples:
   1. Samples shall be taken at minimum every other work day of lining or every 15,000 lb, whichever is more frequent.
   2. Samples shall be collected of the applied material and may be obtained from the mixer, material hopper, or a section of the discharge hose/pipe.
   3. Samples shall be three (3) by six (6) inch cylinders, per ASTM C39.
   4. Samples must be undisturbed and stored onsite for a period of at least 24 hours before they can be transported.

C. Testing:
   1. For every section sampled, the following tests shall be performed:
      a. 28-day compressive strength in accordance with ASTM C39.
      b. 28-day flexural strength in accordance with ASTM C78.
   2. Reports:
      a. Submit reports prior to Application for Payment.
   3. Acceptance:
      a. Calculate the installed Factor of Safety using the material properties achieved in the field. An installed Factor of Safety of 2.0 is acceptable.
      b. Reline or replace non-compliant liner as approved at no cost to the Owner.

D. Performance Testing:
   1. The Contractor shall perform a low-pressure air test on each SAMP lining segment consistent with Section "Common Work Results for Utilities". The test shall be performed in the Engineer's presence after curing the SAMP. Any lining not able to meet this testing requirement shall be repaired and retested at no additional cost to the Owner.
   2. Field acceptance for the SAMP lining shall be based on the Engineer's evaluation of the installation including reviewing the SAMP lining spray data, the post-rehabilitation CCTV inspection data, the certified test data for the installed SAMP lining, and SAMP air testing results. All SAMP sample testing and repairs to the installed SAMP as applicable shall be completed and documented in written form before final acceptance.
      a. SAMP lining spray data should include:
         1) Identifying asset information for the pipes lined
         2) Liner materials used including bag and batch number
         3) Water addition rate
         4) Times liner material was applied
         5) Length of house
         6) Equipment motor speed and pressure observed
         7) Retrieval device speed
         8) Application method
         9) Thickness
         10) Any special conditions
         11) Atmospheric conditions including:
            a) Ambient air temperature
            b) Dry powder temperature
            c) Mixing water temperature

d) Wet product temperature

e) Temperature inside the pipe prior to, during, and following lining

b. The liner thickness shall have tolerance of minus 5% to plus 10%.

3.8 SAFETY

A. All Construction shall be in accordance with the Health and Safety Plan developed in accordance with Section “Submittal Procedures”.

3.9 CCTV INSPECTION

A. General:

1. The Contractor shall visually inspect pipe sections by means of closed-circuit television prior to SAMP lining to identify any unknown defects or obstructions. Television inspection should again be performed after the completion of SAMP lining to verify the integrity of the liner and restored service connections.
2. If permanent depth gauges are to be used, they must be visible on the pre-lining CCTV inspection video.
3. See Section "CCTV Inspection and Cleaning of Existing Sewers".

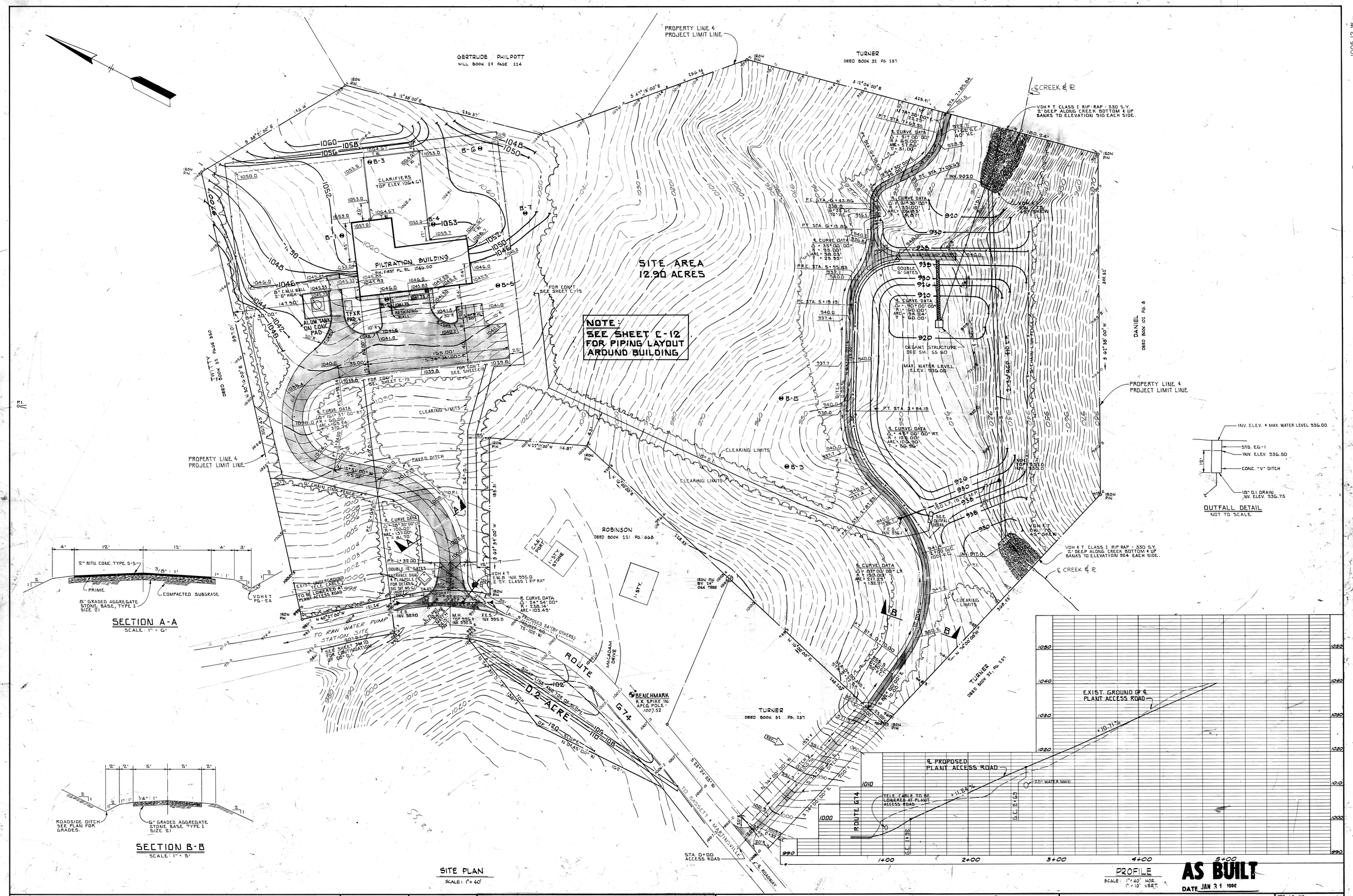
3.10 CLEAN UP

A. After the SAMP installation has been completed the project area affected by the Contractor’s operation shall be reinstated to its original condition.

B. Any sidewalk, driveway or street surfacing disturbed shall be restored to original condition or as otherwise agreed to by the property owner.

C. No separate payment will be made for restoration and shall be considered incidental to the items of the Bid.

END OF SECTION



REVISIONS

REV. SERVICE ROAD GRADE CHANGE. HLS/HLM 8/31/83

COMMONWEALTH OF VIRGINIA — R. L. MATTHEWS, JR. — No. 11150 — PROFESSIONAL ENGINEER

COMMONWEALTH OF VIRGINIA — JOHN W. WARWICK — No. 10088 — PROFESSIONAL ENGINEER

HENRY COUNTY BOARD OF SUPERVISORS
HENRY COUNTY, VIRGINIA

WILLIAM C. OVERMAN ASSOCIATES, P.C.
NORFOLK, VIRGINIA

UPPER SMITH RIVER WATER FILTRATION PLANT

PROJECT NO. 75-101-W

CIVIL

SITE PLAN AND DETAILS

FED I.D. NO.

DATE 1/31/83

SHEET C11 OF 62

DWG. NO.

HENRY COUNTY PUBLIC SERVICE AUTHORITY
UPPER SMITH RIVER WFP ALUM LAGOON CULVERT REHABILITATION
IFB #26-01143-3137

PRE-BID CONFERENCE MINUTES

ISSUED: DECEMBER 31, 2025

The Pre-Bid Conference for the Henry County Public Service Authority – Upper Smith River Water Filtration Plant Alum Lagoon Culvert Rehabilitation project was held on Wednesday, December 17, 2025, at 1:30 p.m.

Earl Smith, CHA, led the conference per the following agenda with discussion items shown in bold.

See attendance record herein.

1. INTRODUCTIONS

A. Owner: Henry County Public Service Authority
   a. Michael Ward – Director of Regulatory Compliance & Technical Applications
   b. Kelly Custer – Wastewater Supervisor

B. Engineer: CHA Consulting, Inc.
   a. Jacob Montague – Project Engineer
   b. Earl Smith – Project Manager

2. PROJECT OVERVIEW

A. The Work includes lining approximately 820 linear feet of 36” reinforced concrete pipe culverts and associated work in Bassett, Virginia.

3. BIDDING INSTRUCTIONS

A. Bidders are hereby reminded that nothing presented during this pre-bid conference, including any oral interpretations of the meaning or intent of the Contract Documents, may modify or otherwise alter the Contract Documents. Prior to award of the construction contract, any required clarifications, revisions or modifications of the Contract Documents will be by written addendum only.

B. Section 002113 – Instructions to Bidders
   a. Article 1.2 – Copies of Bidding Documents
      i. The Bidding Documents are available for download per Section 001116.
      ii. Video records of the 2024 closed-circuit television (CCTV) culvert inspections are available for download as information only (not Technical Data to be relied upon).
   b. Article 1.3 – Qualifications of Bidders
      i. “Previous Experience” - Apparent Low Bidder may be required to submit documentation and references for past projects for municipal clients involving trenchless rehabilitation of active large-diameter storm drain culverts, as applicable.
   c. Article 1.4 – Examination of Contract Documents and Site(s)
      i. Article 1.4 presents the Bidder’s responsibilities in detail.
      ii. Site visit to follow

d. Article 1.7 – Interpretations and Addenda
   i. Submit questions in writing to the Engineer's Project Engineer, Jacob Montague, via ***e-mail only*** at jmontague@chasolutions.com.
   ii. Submit questions by close of business on Wednesday, January 7, 2025. Questions submitted after this date may not be answered.
e. Article 1.8 – Bid Security
   i. Five (5) percent of Bid (Bid Bond)
f. Article 1.9 – Contract Times
   i. Substantial Completion: 120 days
   ii. Final Acceptance: 30 days after the Work is substantially complete
   iii. **Discussion: No objections.**
g. Article 1.10 – Liquidated Damages
   i. Substantial Completion: $750 per day
   ii. Final Acceptance: $500 per day
h. Article 1.13 – Preparation of Bid
   i. Acknowledge receipt of all addenda by number and date on the Bid Form.
i. Article 1.14 – Submittal of Bids
   i. Bids due by Wednesday, January 14, 2025, at 3:00 p.m. local time
   ii. Reference electronic bid submittal instructions
j. Article 1.16 – Modification and Withdrawal of Bids
   i. Document bidding error within two (2) business days of submitting Bid
k. Article 1.22 – Sales and Use Tax
   i. Do not include Virginia sales tax on materials. The Owner is exempt from the Commonwealth of Virginia sales and use tax on materials and equipment incorporated into the Work.

C. Section 004113 – Bid Form
   a. All-inclusive line items per descriptions in Section 012200 – Unit Prices
   b. The Bid Form and associated Section "Unit Prices" states only "CIPP Lining" to allow all the indicated lining types: epoxy, PVC, spray-applied mortar.
   c. Consider overburden (i.e., soil, alum sludge / water in lagoon) in liner thickness calculations. Liner must provide full structural support.
   d. **Discussion: Attendees discussed the overburden during the Site visit. Additional information will be provided by addendum.**

D. Bidding Documents Required
   a. Bid Form

b. Bid Security
c. Evidence of authorization to transact business in Virginia (per the SCC)
d. Supporting forms and documentation
    i. Contractor's Policy of a Drug-Free Workplace
    ii. Contractor's Policy of Nondiscrimination
    iii. Contractor's Compliance with Immigration Law
    iv. Subcontractor Information
    v. Others as indicated

E. Addendum #1 will be issued on or before Wednesday, December 31, 2025.
    a. The Pre-Bid Conference minutes and attendance record will be attached.
F. Bidders are responsible for addressing and acknowledging all addenda.
    a. Check the Project's eVA ad for addenda prior to preparing and submitting a Bid.

4. ATTENDANCE RECORD

A. ***All potential bidders must sign-in*** with their name, title, company name, telephone number, and e-mail address. **Mr. Smith confirmed all potential bidders had signed the attendance record.**

5. SPECIFIC PROJECT ISSUES

A. Construction Sequencing/Schedule
    i. Install erosion and sediment control measures as indicated prior to any land-disturbing activity.
    ii. At least one culvert must be unobstructed at all times. Both culverts must unobstructed during and immediately after rain events. Coordinate operations with forecasted rainfall.
        - The Contractor will be held responsible for flooding caused by any culvert restriction placed by the Contractor.
    iii. Consider access to lagoon manhole and addressing water leakage inside
        - Refer to existing CCTV footage
        - **Mr. Custer noted that the referenced storm drain manhole has been lined subsequent to the CCTV footage, substantially reducing infiltration.**

B. Pre-lining CCTV Footage
    a. Reference Section 330130.72-1.3.A.8.
    b. The Contractor *must* upload complete CCTV footage of industry-standard quality for segment to be lined prior to receiving payment for cleaning.

c. The Engineer will promptly review pre-lining CCTV footage and recommend payment for acceptable cleaned segments.

C. Post-lining CCTV Footage
   a. Reference Section 330130.72-1.3.A.8.
   b. The Contractor *must* upload complete CCTV footage of industry-standard quality for each lined segment prior to receiving payment for lining.
   c. The Engineer will promptly review post-lining CCTV footage and recommend payment for acceptable lined segments.

D. Coordination
   a. Collect field data prior to submitting shop drawings or ordering materials.
   b. Access
      i. Coordinate with the Owner in advance
         - Keyed entry
         - Minimize disturbance
         - Erosion and sediment control measures required as indicated (at a minimum)
         - Complete restoration to pre-construction conditions required
   c. Water
      i. A hydrant is available at the USR WFP.
      ii. Backflow preventer and/or air gap required
      iii. Hydrant meter will be supplied to document usage; no billing
   d. Solids Disposal
      i. Solids manually removed during culvert cleaning may be disposed of on-site at a location selected by the Owner.
      ii. Fine solids vacuum-extracted during culvert cleaning MUST be discharged through a sediment filter bag. Vac trucks must be clean (no residual sanitary sewage) prior to vacuum-extraction.

E. The Contractor must video tape the project Site(s) prior to initiating the Work to document existing conditions.

6. QUESTIONS *(answers italicized)*

A. Will the Owner allow materials and equipment storage on-site? *Yes – coordinate with the Owner prior to mobilization.*

B. Will removing settled solids with jetting be allowed? *Yes. (See addenda.)*

C. Is chemical grouting incidental to the Work? *Yes. (See addenda.)*

D. Can the stream be pumped around the lagoon? *No.*

E. What is the maximum alum sludge depth in the lagoon? ***See addenda.***

7. ADJOURN

8. SITE VISIT

HENRY COUNTY PUBLIC SERVICE AUTHORITY
UPPER SMITH RIVER WFP ALUM LAGOON CULVERT REHABILITATION

PRE-BID CONFERENCE ATTENDANCE RECORD
WEDNESDAY, DECEMBER 17, 2025 @ 1:30 PM

ATTENDEE		CONTACT INFORMATION	
NAME	Michael Ward	TEL	276-734-4123
TITLE	Director of Regulatory Compliance & Technical Applications	EMAIL	mward@henrycountyva.gov
COMPANY	Henry County Public Service Authority		
NAME	Kelly Custer	TEL	276-634-2506
TITLE	Wastewater Supervisor	EMAIL	kcuster@henrycountyva.gov
COMPANY	Henry County Public Service Authority		
NAME	David Moore	TEL	276-634-4670
TITLE	Purchasing Agent	EMAIL	dmoore@henrycountyva.gov
COMPANY	Henry County		
NAME	Earl Smith	TEL	540-552-5548
TITLE	Senior Project Manager	EMAIL	esmith@chasolutions.com
COMPANY	CHA Consulting, Inc.		
NAME	Albert Pugliese	TEL	(256) 764-5941
TITLE	Reg Mgr	EMAIL	alberta@proshotconcrete.com
COMPANY	Proshot Concrete		
NAME	Matt Zakutny	TEL	
TITLE	Project Manager	EMAIL	
COMPANY	Mid Atlantic Sewer LLC		
NAME	Craig Hesselbrock	TEL	
TITLE	Project manager	EMAIL	
COMPANY	Municipal and Contractors Sealing Products		
NAME	Ron Parsons	TEL	(757) 619-2628
TITLE	Director of Ops	EMAIL	RParsons@vortexcompanies.com
COMPANY	Vortex Services / Tri-State utilities		

HENRY COUNTY PUBLIC SERVICE AUTHORITY
UPPER SMITH RIVER WFP ALUM LAGOON CULVERT REHABILITATION

PRE-BID CONFERENCE ATTENDANCE RECORD
WEDNESDAY, DECEMBER 17, 2025 @ 1:30 PM

ATTENDEE	CONTACT INFORMATION
NAME Charles Cauley TITLE President COMPANY C.W. Cauley & Son, Inc.	TEL 276-692-5011 EMAIL Charles2301@hotmail.com
NAME Crystal Lawson TITLE Safety Director COMPANY C.W. Cauley & Son, Inc.	TEL 276-694-3814 EMAIL crystal.lawson@hotmail.com
NAME Shannon D'Albero TITLE Administrative Assistant COMPANY C.W. Cauley & Son, Inc.	TEL 276-694-3814 EMAIL mag672e yahoo.com
NAME CHAUNCEY STACKEY TITLE EST COMPANY ATLADTIC INDUSTRIAL COATINGS	TEL 804-370-0918 EMAIL CHAUNCEY@JASPRAY.COM
NAME Thomas Kuhn TITLE Project Eng. COMPANY Pleasants Construction	TEL 301-980-0102 EMAIL TKuhn@pleasantsconstruction.com
NAME Tammy Kost TITLE Office Personnel COMPANY Concrete Foundations Inc	TEL 434-656-6592 EMAIL info@concretefoundationsinc@.com
NAME Dan Foster TITLE Business Development COMPANY Total Stormwater Solutions	TEL 804-398-8960 EMAIL tgrant@totalstormwatersolutions.com
NAME David Moore TITLE Purchasing Agent COMPANY Henry County	TEL 276-634-4670 EMAIL dMoore@henrycountyva.gov

HENRY COUNTY PUBLIC SERVICE AUTHORITY
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