

ADDENDUM # 2

**Smith River Interceptor
Corrugated Metal Pipe Rehabilitation
Contract III**

**Martinsville, VA
May 3, 2017**



ADDENDUM NO. 2

ISSUED May 3, 2017

NOTE: All items in this addendum supersede the issued for bidding plans and specifications. The following changes/clarifications have been made to the project:

General

- Update the requirement for restrained joints along aerial crossings to state the following: “HP Lok as manufactured by U.S. Pipe, **Flex-Ring Joint as manufactured by AMERICAN** or approved equal”. This restrained joint is applicable for 36” and 42” aerial crossings where the span between piers is less than 20’. Any span greater than 20’ shall also use flanged joints in combination with the products indicated above or approved equal.
- Construction Contract Time: 450 days to Substantial Completion, 480 days to Final Completion.

Bid Form

Replace the existing bid form with the attached updated bid form reflecting the following:

- Line 44 – Concrete Pier: Change quantity to 4 and unit to EACH.
- Line 59 – Stream Bank Restoration was changed to a lump sum cost, and includes rip-rap, seeding and woven geotextile required for bank stabilization as noted in the specification change below.
- Line 46 on the *Rehabilitation Methods Schedule* is now a single line item since this is an aerial crossing. This will be line 68 on the bid form.
- Line 68 – Aerial Crossing: this was added to account for above noted change on the Rehab Methods Schedule.
- Line 69 – Additional Manhole (Conventional or Doghouse): include cost for potential need of additional manholes for either bypass pumping or other unknown field conditions where a manhole is necessary to perform work. Justification for need of additional manholes shall be submitted by the Contractor and approved by the Owner prior to installation.
- Line 70 – Pre-design CCTV and Laser Inspection: include lump sum cost for investigative CCTV and Laser inspection of the CIPP rehab sections of the interceptor. It is understood that this work will be performed far in advance to design and order the CIPP materials. Do not include this cost in the CIPP Liner line item.

Section 012200 Unit Prices

- Replace Part 3, Section 3.1.B.59. with the following:

“Stream Bank Restoration (Ref. Details S, **V** and BM Sht. C26): Provide all equipment, materials and labor to provide stream bank restoration in accordance with the standard details included within the Construction Drawings and where indicated. Provide all Rip-Rap, **stream bank restoration plants and/or seeding**, and erosion blanket matting materials including stakes where required. Unit Costs shall include all costs associated with providing all temporary pump around installations and all operating expenses through the project. Unit: **LS**”

Section 333300 Facility Sanitary Sewers

- Strike out the following from Part 2, Section 2.2.11:

11. Manhole interior shall be coated with TNEMEC 435-5022 Perma-Shield H2S Modified Polyamide Epoxy coating system or Engineer approved coating system. ~~Coating system shall be applied at the time of MH manufacturing prior to shipment. Contractor shall touch up finish in the field prior to time of installation.~~ Contractor may elect to utilize a manufacturer certified coating applicator to apply coating system within the field for manholes with diameters greater than or equal to 60 inches.

Section 333315 Cured-In-Place Liner

- Remove Part 2, Sections 2.6.A and 2.6.B and replace with the following:

“A. Pre-liner as manufactured by Reef Industries, Inc. for CIPP applications or approved equal is required for all CIPP installations. Due to the bituminous asphaltic coating on the interior of the pipe, proper adhesion of the resin may be jeopardized during the curing process. The bituminous asphaltic coating may have a lower threshold for boiling than the curing temperature for the CIPP systems.”

Sheet C10

- Change note in plan view to state, “Install **new manhole 61R1** and tie-in to existing sewer and **manhole 61R1** with new 8.12 LS – 42” DIP @ 0.12%.”
- Note that this is where the contractor will tie in the previously installed parallel sewer which ends at manhole 61R2.

Sheet C11

- Distance from MH SRI-54 to MH 53R0 shall be **270** LF. This is shown correctly on the Rehabilitation Methods Schedule.

Sheet C16

- Change notes in profile view to state:

“Replace existing CMP sanitary sewer with 42” DIP **STA 139+65.10 to 143+23**. Contractor shall utilize and rehab existing piers according to det. On sht. S1.”

“AERIAL DEMO: ex. CMP was determined to have asbestos hazardous material per spec. section 003126 and shall be demolished and removed per spec. section 024119 between **STA 139+65.10 to 143+23**.”

Sheet C17

- Note that existing manhole SRI-41 will be REPLACED IN PLACE with new manhole 41R1. Existing manhole SRI-40 will be REPLACED IN PLACE with new manhole 40R1. This is difficult to interpret on the profile view – refer to the plan view.

- Change note in profile view to state, “Line existing CMP sanitary sewer with fiberglass reinforced CIPP STA **156+28.67 to 162+93.25.**”
- Change note in profile view to state, “Replace in place ex. CMP sanitary sewer with 42” DIP with res. Fittings (HP LOK, Flex-Ring or equal) (ref. aerial crossing detail sht. C25) STA **162+93.25 to 165+91.57.**”
- Change note in plan view to state, “Line or replace existing **42**” CMP sanitary sewer STA 154+00 to **165+91.57**”.

Attachments: Contractors’ Questions, Updated Bid Form, Local E&S Permits

END OF ADDENDUM NO. 2

Contractors' Questions (through 5/2/2017)

1. *Will the owner please provide copies of all appropriate environmental permits, especially DEQ and USACE (relating to in-stream work restrictions)?*

Engineer's Response: Local E&S permits are attached from both Henry County and the City of Martinsville. The DEQ and USACE permits are nearing the end of the review process and will be obtained prior to commencement of construction. If in hand prior to bid opening, they will be sent in a future addendum.

2. *Ref. RedZone Robotics report SJ501282 dated 17 APRIL 2016, pages 4-10 and supporting data:*
 - a. *Will the owner please provide flow data (GPM) or velocity readings that correlate to Redzone Robotics station reports (current info is height of stream only) This information to be used for bypass pumping design pricing.*

Engineer's Response: Refer to Specification 333325 – Bypass Pumping Systems, Part 2, Section 2.1. Specifically D-F.

3. *Ref. page 01100-7 para. I.4:*
 - a. *Please confirm that bituminous liner currently adhering in existing CMP sections is not required to be removed as part of initial cleaning (as stated at pre-bid meeting)*
 - b. *Relating to above, is debris in the CMP valley (i.e. negative space of the rib) that adheres after cleaning need to be removed if it does not protrude past the longitudinal axis of the internal pipe wall?*

Engineer's Response: Bituminous liner adhering to the existing CMP interior does not need to be removed as a part of the initial cleaning. It should be the contractor's utmost effort and particular workmanship to clean the pipe to the highest degree possible. It is understood that some debris will be caught in the corrugations during cleaning. The new CIPP liner shall be warranted as a structurally stand-alone pipe and any debris left in the pipe shall not worsen ovality conditions, affect final effective internal diameter, or affect quality of final product.

4. *Relating to Question 4 (above), please describe what allowances will be made on CIPP install specifications to account for irregularities in the lining due to bituminous material and/or debris build up in valleys (i.e. negative space of the ribs), and arching of existing CMP.*

Engineer's Response: The new CIPP liner shall be warranted as a structurally stand-alone pipe and any debris left in the pipe shall not worsen ovality conditions, affect final effective internal diameter, or affect quality of final product. Note that pre-liner is now required as described in Addendum No. 2 to mitigate adhesion issues involving the bituminous asphaltic coating.

5. *Please confirm statement at pre-bid conference that owner will favorably consider and negotiate subsequent change order for delay impacts if access to "Resurgence" site is not available 90-days after NTP. (Contractor to document and show schedule impact)*

Engineer's Response: If access to the Resurgence property is delayed more than 90 days from the NTP date, the Owner will negotiate an appropriate change order for delay impacts on price and/or schedule. Refer to Sheet C13, note 10.

6. *Please confirm that contractor has no obligations to negotiate Access requirements, (i.e. owner has secured written permission for use of all proposed sites). It is our understanding that contractor will be responsible for specific environmental and construction requirements for temporary access construction as noted on Plan page T2.*

Engineer's Response: The access points shown have either been regularly used by the City for maintenance and/or is within existing sewer easements. Owner cannot guarantee all of the access point, particularly those that are not exclusively along existing sewer easements, will be available for use without some degree of compensation to the respective property Owner. With the exception of the Resurgence property, the City has not experienced difficulties with Owners at the access points. The City will assist in any reasonable request for additional access needs as deemed necessary and appropriate. However, any cost stipulated by property owner for this access shall be paid by the contractor at no additional cost to the owner. The contractor will be responsible for access improvements for construction, as well as restoring the access to original condition upon demobilization from the site.

7. *Please confirm for bid purposes that all existing CMP should be considered as containing some level of remaining asphalt coating.*

Engineer's Response: All existing CMP should be considered as containing some level of bituminous asphaltic coating.

8. *For CIPP, what design assumptions should be used for groundwater? (i.e. EL, feet above crown, etc.)*

Engineer's Response: Design for groundwater to top of manholes connecting the respect lined segment. However at locations where watertight manholes are noted in the manhole schedule on Sheet C1, CIPP shall be designed for a water surface that is a minimum of five (5) feet above the top of the respective manholes.

9. *Will the permits allow pulling water from the river*
a. *If yes, what, if any, permit requirements are associated with this operation?*
b. *If no, will owner please provide no-cost access to public water, and if so, will adjacent hydrants be acceptable sources?*

Engineer's Response: If the contractor wishes to use water from the Smith River, it shall be their responsibility to obtain any necessary permit(s). The city is offering water from their hydrants at no cost to the contractor.

10. *Should contractor include installation of a pre-liner where fiberglass reinforced CIPP is required?*

Engineer's Response: Contractor is now required to install pre-liner for all CIPP installations as described in Addendum No. 2.

11. *Can 42-in. sections scheduled for demolition be used for bypass operations?*

Engineer's Response: Yes

12. *Can a quantity and unit be added to the contract for Erosion Control Matting? There is no indication of how much is to be placed on any of the plan sheets.*

Engineer's Response: The cost for this shall be included in the lump sum line item for E&S. Woven geotextile is shown in the details on sheets C24 and C26 and should be applied to the particular locations as indicated throughout the plans.

13. *Plans indicate Temp and Permanent Seeding outside of the 40' Temp Construction Easement. Is this correct?*

Engineer's Response: Temporary and Permanent seeding outside the 40' temporary construction easement shall be required if these area(s) have been disturbed by the contractor.

14. *What is the required fitting or detail when joining new pipe to an existing manhole?*

Engineer's Response: If you choose a new pipe option (parallel or replace-in-place), new manholes are required. Connections will be via rubber boots.

15. *What is the required fitting or detail when joining old pipe to a new manhole?*

Engineer's Response: New manholes shall be cored in field and an expandable rubber boot installed for this connection. Simple grouting in place is not an acceptable method.

16. *Line Item 17 & 18 Measure and Payment include the cost of Manhole 40R2. Which Line Item should we include the cost of the manhole?*

Engineer's Response: Cost of manhole can be included in Line Item 17 for the aerial crossing.

17. *Should the work between MH 44R1 and 44A have an AERIAL CROSSING pay item like the other Bid Items 17 thru 22?*

Engineer's Response: Yes, this section will be changed to have an aerial crossing pay item in the addendum.

18. *When the choice is given to relocate or CIPP line existing, or replaced-in-place or CIPP line existing, should we assume that the manholes in the existing line are to be rehabilitated as the pipe is lined if the contractor chooses the liner option?*

Engineer's Response: The manholes do not need to be rehabilitated immediately following lining. Manhole rehab can occur on a separate schedule.

19. *Is Bid Item 35 the correct unit as Cubic Yard?*

Engineer's Response: Yes.

20. *Please Provide a bid quantity for the Vegetative Streambank Stabilization. The Standard includes Aquatic plantings, Reed-Bank Zone plantings, Shrub zone, and tree zone. The symbol locations do not indicate quantity or type of stabilization required in these areas. Unit costs vary greatly depending on type and quantity.*

Engineer's Response: Refer to seeding schedule in "Stream Restoration Planting Species List" on sheet C26. Planting shall only be required in areas that are disturbed during construction and which are outside the limits of bank stabilization rip-rap. This shall be included in the cost for Stream Bank Restoration. Refer to Section 012200 Unit Prices change above (note the change is to #59: add Vegetative Streambank Stabilization to the scope and unit changes to lump sum).

21. *Please provide a bid quantity for the Structural Streambank Stabilization or is this quantity to be paid under Bid Item 59? The depth of the Stabilization is shown in the placement chart but the area is not shown. A Cubic Yard Bid Item would be very helpful if not covered under Bid Item 59.*

Engineer's Response: Read 012200 – Unit Prices for all descriptions of pay items. This is accounted for in line 59.

22. *Bid Item 5, 6, 7, & 16 has the demo of existing in the M&P. Is this correct or is the demo cost of removing this pipe to be included in Bid Item 32?*

Engineer's Response: Demo of the existing creek crossing pipe and manholes shall be included in the line items for 5, 6, 7 & 16. Note that the pipe in the stream bed MUST be removed in lieu of other abandonment options along the interceptor. Lines 14 and 25 will be the remaining abandonment/demo cost for the existing 36" and 42" interceptor included in this Contract III. Line 32 is abandon/demo of the existing sewer that was paralleled in the previous Contract II.

23. *Does Bid Item 16 include the cost of the Rip Rap installed on the Stream Banks or is this in Bid Item 59?*

Engineer's Response: Rip-rap for stream bank stabilization shall be included in Line Item 59.

24. *Please change Bid Items 41, 42, and 43 from an EACH and to a Square Foot quantity for TYPE II Concrete Patch Repairs and a Linear Foot quantity for Concrete Crack Repair. The extent of the repairs is unknown and the ability of the Contractors to properly access the damage prior to bid not possible. This is a typical DOT type of repair and a typical M&P for this type of work.*

Engineer's Response: To minimize billing confusion and extensive measurement of repairs during construction, these line items will remain as EACH. The piers have been broken out by height to allow for price differential for additional surface area.

25. *Is the temporary construction easement consistent throughout the project? 40' wide, 20' on each side of centerline of existing?*

Engineer's Response: Yes. The only areas that may restrict this easement width are wetland areas. Wetlands shall be avoided unless otherwise shown on the plans and within the USACE permitted impacts. Additionally, stream crossing widths shall be kept to a 20' width to the best of the contractor's ability to minimize impacts. The USACE permit will be given to the contractors once issued.

26. *Line Item 58 on the Rehabilitation Methods Schedule has a Quantity of 270 lf but the profile has a quantity of 207 lf. Which is correct?*

Engineer's Response: 270 on the Rehabilitation Methods Schedule is correct.

27. *How many piers are included in Bid Item 44? M & P states it is paid by EACH but the Bid Sheet indicates as a Lump Sum.*

Engineer's Response: This will be changed in the updated bid form. Unit will be EACH and quantity will be 4.

23. *Please clarify requirements of Virginia clean water revolving loan fund (VCWRLF) percentage goals per para 2.C. Confirm the goals for MBE is 7.4% and WBE is 4.8% for construction other classification goals shown are not applicable to this contract?*

Engineer's Response: The percentages shown all apply: Construction, Equipment, Services and Supplies. However, outside of the Services MBE% goal, the Construction goals are the highest. As clarification, these are goals not requirements, so shown documentation of active solicitation of MBE/WBE companies for the project and it shall satisfy VCWRLF requirements.

24. *To satisfy VCWRLF M/WBE requirements, please clarify 40 CFR §33.206 certification requirements which refer to EPA OSDBU internet webpage; which seem unclear <https://www.epa.gov/resources-small-businesses/getting-epa-dbe-certified>. What MBE/WBE certifications issued by a State Federal agency or self-certification issued by potential firm is acceptable for this contract? Examples: VA Dept. of Small and supplier diversity SWaM, VDOT small Business Enterprise Program, and/or a S.B.A.-Self-certification (Does the S.B.A have a draft self-certification statement of eligibility issued by potential MBE/WBE firms may utilize) or if other please specify.*

Engineer's Response: Use the SWaM or VDOT to identify Women and Minority businesses, but you must contact them directly and get a reply on whether they're interested or not. Provide a call logs for phone call made, copies of emails, newspaper advertisements, etc. Contact Joyce French (contact is in Pre-Bid Minutes) if you have further questions on MBE/WBE.

25. *Per bid form Article 7.01 paragraph G and F, is there a form or template to be utilized and presented with the bid that meets VCWRLF requirements (Attachment #3 appears to be quarterly reporting for used after notice to proceed)? If other please identify M/WBE information to be included within lists.*

Engineer's Response: There is not a specific form for submitting the MBE/WBE solicitation efforts with the bid form. You must submit all documentation of efforts to solicit such companies to meet the % goals as explained in question #23 (e.g. call logs for phone calls made, copies of emails, newspaper advertisements, etc.). Contact Joyce French (contact is in Pre-Bid Minutes) if you have further questions on MBE/WBE or if you would like to see an example from a previous contract.

26. 333315-8 Note 4 states that “The resin used shall not contain fillers” except for certain fillers for viscosity control, etc. Table 2.4-1 lists CIPP minimum properties for Enhanced (filled) Resin. Please confirm whether it is acceptable to use talc filler/enhancer in the resin for this project in the sections of pipe that will have standard felt liner (not fiberglass reinforced CIPP liner).

Engineer’s Response: The CIPP design engineer must authorize the use of all formulations and types of filler/enhancers for this project. We will rely on the opinion CIPP design engineer.

27. 333315-9 Note 2 states that ovality will be determined using CCTV and laser inspection. We request that a pipe ovality value (possibly 5%) be specified for bidding purposes since the existing ovality is unknown or was not provided in the documents. A change in ovality can have a significant impact on the material cost for the CIPP lining.

Engineer’s Response: Ovality is shown in the CCTV report by RedZone for the entire interceptor. This can be accessed by emailing the engineer.

28. 333315-8 Note 1-3 If a safety factor of 2.0 is used in the liner design calculation will the City consider not requiring soil modulus and density testing? The 2.0 safety factor will likely account for any variation in soil conditions.

Engineer’s Response: Refer to next question’s response for clarification on this.

29. Specification section 333315-8 table 2.4-2, notes 2 and 3 state the following:

“In the absence of site-specific information, the CIPP Design Engineer shall assume a soil modulus of 700 psi. Contractor shall verify soil modulus by obtaining services of a licensed geotechnical engineer. Two (2) samples shall be taken from at least 10% of all segments to be rehabilitated. Results must reasonably show consistent results between segments to the satisfaction of the Engineer. In the event, existing conditions visually change in character, the Contractor shall perform additional geotechnical tests to verify soil properties.”

“In the absence of site-specific information, the CIPP Design Engineer shall assume a soil density of 120 lb/ft³. Contractor shall verify soil density by obtaining services of a licensed geotechnical engineer. Two (2) samples shall be taken from at least 10% of all segments to be rehabilitated. Results must reasonably show consistent results between segments to the satisfaction of the Engineer. In the event, existing conditions visually change in character, the Contractor shall perform additional geotechnical tests to verify soil properties.”

I have read this as if we use the 700 psi and the 120 lbs/ft for design or we can do soil testing to verify actuals and then if approved use those numbers instead, am I correct? Or do ever contractor need to take soil samples prior to design?

Engineer’s Response: You can assume the 700 psi soil modulus and 120 lb/ft³ soil density for design and bid purposes. OR, if you would like to utilize design conditions that may be less stringent and site specific, soil testing can be performed and submitted to the Engineer for approval.

30. Section 024119-5. 3.6.E *Would Sand or gravel be an acceptable alternative for concrete filling of the invert when abandoning manholes?*

Engineer's Response: Yes

31. Section 311000-4 3.5.A *Does the removal of "Existing debris" apply to or include those areas in Contract II where construction material, remnants of previous clearing operations, or temporary stream crossings still remain?*

Engineer's Response: Yes

32. Section 312000-11 3.16.D.1 *Will compaction test as specified be required for the entire length of pipeline installation, or as a means of establishing base compaction methods at the beginning of the operation only?*

Engineer's Response: The compaction testing frequency of every 250 LF will not be required provided the following: The contractor must test the first and final lifts (2 tests) of trench backfill compaction at the following locations: each creek crossing, four locations from MH SRI-22 to SRI-37, two locations from MH SRI-40 to SRI-45, two locations from MH SRI-50 to SRI-56, and one location from MH SRI-66 to SRI-69. If the field conditions or soil type changes, and the inspector has any reasonable doubt that the backfill is not meeting required compaction, the frequency of compaction testing as described in the specifications will be requested at no additional cost to the Owner.

33. Section 333318-1 1.2.B.4 *Are we to understand that an initial application of H2S glaze is required, and that Alternate #1 addresses the application of a second application if requested?*

Engineer's Response: No, H2S polymer glaze will be considered as an alternate additive to the base bid only.

34. *Will any landfill fees be waived for disposal of the existing CMP if the contractor elects to remove it from the project?*

Engineer's Response: This will be the responsibility of the contractor to coordinate with the landfill.

35. *Plan sheet C23: Do you have a distance to the manholes upstream of SR1 that are on the 36" and 10" lines, for bypass pumping use?*

Engineer's Response: For purposes of bypass pumping, SRI-1 can be plugged, and the manhole that is on the edge of Beaver Creek across Appalachian Drive can be used to set up the pumps. The piping can be routed under the bridge at the intersection of Koehler Road and Appalachian Drive, and continue to the Smith River Interceptor. This manhole is approximately 750 LF from SRI-1 following the proposed route. Note that the 10" line locally serves a building in the adjacent parking lot only. This line can likely be plugged at SRI-1 with minimal need to pump down.

36. *Are the new manholes that were installed under the previous contract and which we are to tie-in, equipped with boots for our connection?*

Engineer's Response: Boots are in place and stainless bands have been given to the Owner for use in this contract.

37. *Should Bid Items 5, 6, 7, 16, 17, 18, 19, 20, 21, and 22 include the upstream and downstream manholes associated with those sections in the price?*

Engineer's Response: Yes

38. *Sheet C17 notes: Please clarify "Line 156+28 to 160+71" and (36" 154+00 to 165+92). Stationing and sizing appear incorrect.*

Engineer's Response: SRI-41 will be demolished and replaced in place with new manhole 41R1. STA 156+28.67 to 162+93.25 will be lined with fiberglass reinforced CIPP. This section of sewer is on a very steep bank and excavation will be nearly impossible. Additionally, there is minimal cover, thus the fiberglass reinforced CIPP requirement. This note is incorrect in the profile. Additionally, the note in the plan view referring to 36" is incorrect and should be 42". These items are addressed in the addendum changes for Sheet C17.

39. *Sheet C16 Plan states asbestos demo stationing as 139+65 to 142+08. Should this be to sta. 143+23?*

Engineer's Response: Yes. Existing manhole SRI-44A to new manhole 44R2 must be replaced in place. Notes in profile view regarding replacing the existing CMP sanitary sewer containing asbestos hazardous material should extend from STA 139+65 to 143+23. This is addressed in the addendum changes above. Manhole 44R2 will not be required if the contractor chooses to replace the sewer in place between SRI-44A and SRI-44.

40. *Sheet C12. Sta. 92+80 +/- Does the existing vault remain or is it removed?*

Engineer's Response: Vault will remain.

41. *Sheet C10. Plan states "install new manhole 66R1" Is this a misprint?*

Engineer's Response: Yes. This note should state "Install new manhole 61R1...". Refer to addendum change above.

42. *Sheet C6. As shown, it will be necessary to bypass pump over the river crossing to Existing MH SRI-78 in order to complete the tie-in and line the lower most pipe section. Is this the intent?*

Engineer's Response: Yes. There is a pedestrian bridge across the Smith River that may be used for the purpose of bypass pumping. Verify width of bridge prior to mobilizing bypass piping on site.

43. *Sheet C25. The water tight frame and cover does not call for the frame to be bolted to the MH. Is this correct?*

Engineer's Response: The watertight frame shall be bolted to the manhole using the four 1" anchor holes shown on the detail. Contractor shall use 3/4" threaded rod and imbed in epoxy a minimum of 6" in depth. Threaded rod, nut and washer must be stainless steel.

44. *I have a question pertaining to bypass pumping on the Smith River Interceptor. On sheet C21, we will need to start our bypass at existing manhole SR1-22. The depth of the manhole from grade to the bottom of the sewer line is approximately 25' deep. To adequately achieve a reasonable flow rate on the bypass pump, this manhole will need to be surcharged a minimum of 10'. Obviously this will surcharge the system upstream quite a bit. We looked at installing a doghouse manhole towards the road but we wouldn't gain much elevation. Benching may be an option but space is limited.*

Engineer's Response: A doghouse manhole can be installed directly next to MH-23 on the upstream side. The condition in the field is not as severe as it appears in the profile view. Maximum allowable surcharging of SRI-22 is 701 ft. elevation based on upstream manholes.

45. *Spec section 333315 – Cured-in-place-liner sub section 2.6 “pre-liner”*

There is an asphalt coating on the inside of the pipe that can/will have a detrimental effect on the liners resin resulting in adhesion failures. Will you consider requiring pre-liner to be mandated for the any line being CIPP rehabilitated to provide a barrier between the liner and the asphalt coating?

Engineer's Response: Pre-liner as manufactured by Reek Industries, Inc. for CIPP applications or approved equal will now be required for all CIPP installations. Due to the bituminous asphaltic coating on the interior of the pipe, proper adhesion of the resin may be jeopardized during the curing process. The bituminous asphaltic coating may have a lower threshold for boiling than the curing temperature for the CIPP systems. Refer to change in specification 333315 as noted in the addendum.

46. *Spec section 333315 – Cured-in-place liner sub section 3.13 “final acceptance of CIPP”*

Can you confirm payment for CIPP lining will be after submission of the “post” lining video? The payment for CIPP will not be held up till all associated work within that line has been completed (MH rehab, etc.)?

Engineer's Response: Payment for CIPP will be issued upon submittal of post-installation CCTV videos. The manhole rehab can occur at a different schedule than the sewer lining.

47. *Spec section 330130.51 – “Cleaning of Sanitary Sewer and Manholes” sub section 3.3B the spec section states the following*

“Cleaning shall be performed at a maximum of one (1) week prior to lining the sewer section. Pre-Installation CCTV inspection shall be used to confirm clean conditions prior to lining the sewer segment. Contractor is responsible for achieving clean conditions necessary for proper installation of the CIPP liner system”

Is the cleaning that is specified to be done 1-week prior to lining the investigative cleaning or the pre-lining cleaning? Can you please clarify because the investigative cleaning will need to be done multiple weeks in advance to give time for the laser data to be processed and the tube designed and manufactured?

Engineer's Response: Your interpretation is correct. Cleaning 1 week prior is the pre-lining, construction phase cleaning. Investigative cleaning for the preliminary design CCTV and laser will be done far in advance.

48. *Spec section 330130.51 – “Cleaning of Sanitary Sewer and Manholes”*

During the cleaning of the sanitary lines we will be removing solid waste (sand, dirt, rock, etc.) is there a location provided to dump this waste for example the waste treatment plant? If we cannot dump at the city/county facility do you have the address and contact information of the location that can be used?

Engineer's Response: The contractor can take the waste material to the City of Martinsville Shop on Fishel Street. If there is significant debris to the extent that the City can no longer store the material, it shall be transported to the landfill at no additional cost to the Owner.

49. *Can you please clarify the bid alternative 1 “Additional H2S Resistant Polymer Glaze MH Coating/Rehabilitation” quantity 60. Is this rehabilitation of additional manholes within the project (on lines not being CIPP rehabilitated)? There may be additional cost associated with this bid item (bypass, access, etc.) do we carry this additional cost in this bid item as well or will that be paid in addition too?*

Engineer's Response: The H2S Resistant Polymer Glaze is an additional layer on top of the epoxy manhole rehab already in the base contract. This would occur immediately after the manhole rehab as an additional rehab protective layer. If you will acquire additional cost due to bypass time, etc., include this in your pricing for the alternate.

50. *Can we pull water out of the river for installation and/or cleaning?*

Engineer's Response: If the contractor wishes to use water from the Smith River, it shall be their responsibility to obtain any necessary permit(s). The city is offering water from their hydrants at no cost to the contractor.

BID FORM

*City of Martinsville
Smith River Interceptor CMP Rehabilitation*

Contract III

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ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

By FedEx, UPS or hand delivered:

*City of Martinsville
Attn: Karen Mays, Purchasing Manager
Central Warehouse
990 Fishel Street
Martinsville, VA 24112-3248*

Or by postal mail:

*City of Martinsville
Karen Mays, Purchasing Manager
P. O. Box 1112
Martinsville, VA 24114-1112*

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

2.02 Bidder accepts all of the terms and conditions of the Virginia Clean Water Revolving Loan Fund Contract Forms.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) Drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in General Conditions Section 4.02 as containing reliable "technical data."
- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- 1. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and

D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:

1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following Bid Schedule:

BID SCHEDULE					
No.	Item	Qty.	Unit	Unit Price	Total Cost
1	Site Prep/Mobilization	1	LS		
2	E&S	1	LS		
3	Clearing	1	LS		
4	Site Grading and Debris Disposal	1	LS		
Gravity Sewer Upgrade (Include Completed Worksheet Detailing Rehabilitation Methods)					
5	Creek Crossing (6R1 to 6R2)	65	LF		
6	Creek Crossing (10R4 to 10R5)	60	LF		
7	Creek Crossing (29R1 to 29R2)	80	LF		
8	36" DIP Parallel Sewer (Minimum Quantity 435 LF)	<hr/> Sum of lines 2, 3, 5-8, 10, 12-15 from Rehab Schedule (blue)	LF		
9	New Manhole for Parallel 36" Sewer (Minimum Quantity 7 EA)	<hr/> Sum of lines 2, 3, 5-8, 10, 12-15 from Rehab Schedule (blue)	EA		
10	Demo/Abandon Existing 36" Sewer and MHs (Minimum Quantity 435 LF)	<hr/> Same quantity as Line 8	LF		
11	36" CIPP Liner (Minimum Quantity 0 LF)	<hr/> Sum of lines 1, 11-19 from Rehab Schedule (green)	LF		
12	Rehab Existing Manhole (36" Sewer) (Minimum Quantity 0 EA)	<hr/> Sum of lines 1, 11-19 from Rehab Schedule (green)	EA		
13	Point Repair of 36" Gravity Sewer (Minimum Quantity 0 EA)	<hr/> Sum of lines 1, 11-19 from Rehab Schedule (green)	EA		

14	Demo Existing 36" Gravity Sewer and Manholes and Replace with 36" DIP (Replace in Place) (Minimum Quantity 0 LF)	<hr/> Sum of lines 1, 11-19 from Rehab Schedule (pink)	LF		
15	Replace Manhole on 36" Gravity Sewer (Replace in Place) (Minimum Quantity 0 EA)	<hr/> Sum of lines 1, 11-19 from Rehab Schedule (pink)	EA		
36" Piping Subtotal (Lines 5, 6, 7, 8, 11 and 14):		2,253	LF		
16	Creek Crossing (36R4 to 36R3)	166	LF		
17	Dye Plant Road Aerial Crossing (40R1 to 40R2)	299	LF		
18	Dye Plant Road (40R2 to 41R1)	664	LF		
19	Aerial Crossing (53R0 to 53R1)	120	LF		
20	Aerial Crossing (61R11 to 61R10)	205	LF		
21	Section 61R2 to 61R1	26	LF		
22	Aerial Crossing (SRI-61 to 61R0)	215	LF		
23	42" DIP Parallel Sewer (Minimum Quantity 1,557 LF)	<hr/> Sum of lines 24-33, 35, 36, 50-56, 68, 69, 75, 76 from Rehab Schedule (blue)	LF		
24	New Manhole for Parallel 42" Sewer (Minimum Quantity 14 EA)	<hr/> Sum of lines 24-33, 35, 36, 50-56, 68, 69, 75, 76 from Rehab Schedule (blue)	EA		
25	Demo/Abandon Existing 42" Sewer and MHs (Minimum Quantity 1,557 LF)	<hr/> Same quantity as Line 23	LF		

26	42" CIPP Liner (Minimum Quantity 755 LF)	Sum of lines 21-33, 37, 38, 41-44, 47-49, 58-61, 65-67, 70-74, 77 from Rehab Schedule (green)	LF		
27	Point Repair of 42" Gravity Sewer (Minimum Quantity 1 EA)	Sum of lines 21-33, 37, 38, 41-44, 47-49, 58-61, 65-67, 70-74, 77 from Rehab Schedule (green)	EA		
28	Rehab Existing Manhole (42" Sewer) (Minimum Quantity 3 EA)	Sum of lines 21-33, 37, 38, 41-44, 58-61, 65-67, 70-74, 77 from Rehab Schedule (green)	EA		
29	Demo Existing 42" Gravity Sewer and Manholes and Replace with 42" DIP (Replace in Place) (Minimum Quantity 115 LF)	Sum of lines 21-30, 41-45, 47-49, 58-61, 65-67, 70-74, 77 from Rehab Schedule (pink)	LF		
30	Replace Manhole on 42" Gravity Sewer (Replace in Place) (Minimum Quantity 1 EA)	Sum of lines 21-30, 41-45, 47-49, 58-61, 65-67, 70-74, 77 from Rehab Schedule (pink)	EA		
42" Piping Subtotal (Lines 16, 17, 18, 19, 20, 21, 22, 23, 26, 29 AND 68):		10,622	LF		
31	Abandon/Demo 36" CMP Parallel Sewer and MHs (From Previous Contract II)	824	LF		
32	Abandon/Demo 42" CMP Parallel Sewer and MHs (From Prev. Con. II)	5,246	LF		
33	Removal and Disposal of Asbestos Containing Materials	1	LS		

34	Hydro-Jet Cutting or Point Repair of Sanitary Sewer House Connection	4	LS		
35	Grouting of Sewer/Manhole Defects	35	CY		
36	Raise Existing Manhole (From Previous Contract II)	3	EA		
37	Replace Existing Frame and Cover with Standard Frame and Cover	5	EA		
38	Replace Existing Frame and Cover with Watertight Frame and Cover	8	EA		
39	Manhole Vent	3	EA		
40	Replace Existing Frame and Cover with Traffic Rated Frame and Cover	2	EA		
41	Structural Rehabilitation of Existing Pier (height <5 ft) (Detail Sheet S1)	15	EA		
42	Structural Rehabilitation of Existing Pier (5 ft < height < 8 ft) (Detail Sheet S1)	20	EA		
43	Structural Rehabilitation of Existing Pier (height > 8 ft) (Detail Sheet S1)	4	EA		
44	Concrete Pier	4	EA		
45	Demo Existing Concrete Pier (Ref. Sht. C9)	3	EA		
Site Improvements					
46	Bank Armament (SRI – 68 to SRI – 69) (Ref Sht. C5)	1	LS		
47	Bank Armament (Dye Plant Rd) (Ref Sht. C4)	1	LS		
48	36” Storm Pipe (Ref. Storm A Sht. C5)	51	LF		
49	18” Storm Pipe (Ref. Storm A Sht. C5)	110	LF		
50	Manhole (Ref. Storm A Sht. C5)	4	EA		
51	Demolish existing conc. Flume & MH	1	LS		
52	30” Storm Pipe (Ref. Storm B Sht. C5)	14	LF		
53	Creek Crossing Improvements (36R10 to 36R11)	1	LS		
54	Easement Access Improvements (36R10 to 36R13)	1	LS		
55	Pipe Identification Sign (Railroad Easement)	2	EA		
56	Ditch A Improvements (Between 40R2 and 40R1)	1	LS		
57	Bank Armament, Ditch B and Ditch C Improvements (Between 53R3 & 53R4)	1	LS		
58	VDOT STD EW-1 and Stormwater Improvements (C12)	1	LS		
59	Stream Bank Restoration (Ref. Details S, V and BM Sht. C26)	1	LS		

60	Fill Material	600	CY		
61	Geotextile Fabric	350	SY		
62	Rip Rap	300	CY		
63	VDOT #1 Stone	300	CY		
64	Crusher Run Stone	300	CY		
65	Site Restoration	1	LS		
66	VDOT Permit and Surety Fees	1	LS	\$ 15,280	\$ 15,280
67	Bypass Pumping	1	LS		
68	Aerial Crossing (SRI 44A to 44R1)	243	LF		
69	Additional Manhole (Conventional or Doghouse)	5	EA		
70	Pre-design CCTV and Laser Inspection	1	LS		
Total Bid					\$

Lump Sum Bid Price (Items 1 through 70): _____
 _____ Dollars (in words) (\$ _____)

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment will be based on actual quantities, determined as provided in the Contract Documents.

Alternatives: Contractor is required to provide and ADD Unit Price for each item indicated below. The Owner shall award the Contract to the lowest responsible Bidder based on the Base Bid or the combination of the Base Bid and Alternates which shall be awarded based on the availability of project funds. The low bidder will be re-evaluated after the exercise of each Alternative.

Alternative 1	Additional H ₂ S Resistant Polymer Glaze MH Coating/Rehabilitation	60	EA MH		
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The Owner reserves the right to reject all bids in lieu of awarding a contract in the event bid results exceed the available project funds.

Bidder will complete the below sewer rehabilitation schedule in compliance with the Contract Documents and include as an attachment directly to the Bid Form at the time of Bid. The intent of the schedule is to allow the Contractor flexibility in preparing a completed Bid which allows alternate rehabilitation methods throughout the Project as accepted by the Owner. Bids submitted with an incomplete Rehabilitation Method Schedule will be considered unresponsive and will be immediately rejected by the Owner without further consideration.

- A. Each segment listed below is included within the scope of the Project as presented on the referenced Construction Drawings. Segments which allow flexibility in rehabilitation methods are indicated on the right of the schedule as indicated by the colored boxes in the corresponding rehabilitation methods columns. Cells in the Schedule which are blacked out indicated unacceptable rehabilitation methods for the corresponding segment. Segments which only include one (1) rehabilitation method within the Schedule indicate that there is only one acceptable rehabilitation method for that segment of sewer and is indicated as such by that option including the length of the segment to be rehabilitated included within the corresponding cell.
- B. Corresponding manhole rehabilitation is also included in the below schedule as indicated. Each option is color coded to match the associated pipe rehabilitation method. The appropriate manhole rehabilitation method shall be selected by the Contractor to correspond with the pipe rehabilitation methods selected by the Contractor. For example, if the Contractor chooses to rehabilitate a segment utilizing parallel sewer installation, he shall also select the appropriate number of “New Manholes” indicated in the column to the right for that segment. He shall not however include the numbers for “Manhole Rehabilitation” or “Manhole Replacement” for this line item.
- C. Segments which indicate a “Cost for this Line to be included in Bid Line Item X (Do not include LF in other line items)” reference work for this section of sewer to be included as part of a separate Bid Line in the Bid Schedule. The linear feet of sewer reflected in the Rehabilitation Schedule for this segment of line shall not be included within the summary of the Rehabilitation Method schedule as this length is included on the individual line item of the bid form indicated. I.e., Contractor shall not duplicate rehabilitation lengths within multiple line items on the bid form. This segment has been included on the Rehabilitation Schedule solely to assist the Contractor in coordinating and preparing his Bid.
- D. The column which indicates required point repairs along each segment of sewer shall be included ONLY for segments of which CIPP lining has been indicated as the Contractor’s preferred rehabilitation method. Compensation for Point Repairs on sewers being replaced in place or paralleled will not be provided as all demo/abandonment work of the existing sewer are reflected under other appropriate line items on the bid form. Point repairs are included as replacement of those segments of sewer which require restoration of ovality or elimination of an existing defect to accommodate appropriate structural lining of the sewer where indicated on the Construction Drawings and to the limits shown on the Construction Drawings.

- E. The Contractor shall indicate the total LF of each segment to be rehabilitated, the total number of manholes and the total number of point repairs required with the selected rehabilitation method by transposing the corresponding LF of sewer, total manholes and total point repairs indicated for that segment into the appropriate column. A sum for each rehabilitation method shall be calculated for the 36" and 42" piping within the allocated spaces at the bottom of each column in the corresponding 36" and 42" sections of the Schedule. These values shall be transposed by the Contractor and indicated on the Bid Schedule to be submitted at the time of receipt of bids.

- F. A copy of the Excel spreadsheet will not be made available for use in preparation of bids. Contractor shall transpose all information onto the Schedule included within these Bidding Documents.

Rehabilitation Methods Schedule

Line	Segment	Sheet	Diameter	Segment Length	Pipe Rehabilitation			Manhole Rehabilitation			Point Repairs
					Record segment length under each allowable cell to indicate method chosen and unit quantity			Include with Parallel Alternative	Include with CIPP Alternative	Included with Replace In Place	Include with CIPP Alternative
					Parallel (Bid Line Item 8)	CIPP (Bid Line Item 11)	Replace in Place (Bid Line Item 14)	New Manhole (Bid Line Item 9)	Manhole Rehabilitation (Bid Line Item 12)	Manhole Replacement (Bid Line Item 15)	Point Repairs (Bid Line Item 13)
1	SRI 1 to 3R5	C23	36"	18					1	1	0
2	3R4 to 3R5	C23	36"	12	12			1			
3	3R2 to 3R1	C23	36"	13	13			1			
4	6R1 to 6R2	C22	36"	65	Cost for this Line to be included in Bid Line Item 5 (Do not include LF in other line items)						
5	6R2 to 6R3	C22	36"	30	30			1			
6	10R1 to 10R2	C22	36"	221	221			1			
7	10R2 to 10R3	C22	36"	64	64			1			
8	10R3 to 10R4	C22	36"	55	55			1			
9	10R4 to 10R5	C22	36"	60	Cost for this Line to be included in Bid Line Item 6 (Do not include LF in other line items)						
10	10R5 to 10R6	C22	36"	40	40			1			
11	SRI 23 to 24R5	C21	36"	93					1	1	0
12	24R1 to 24R2	C21	36"	24				2	1	1	0
13	24R2 to 24R3	C21	36"	220				1	0	1	0
14	24R3 to 24R4	C21	36"	130				1	0	1	0
15	24R4 to 24R5	C21	36"	12				1	0	1	0
16	24R1 to SRI 25	C21	36"	488					1	1	0
17	SRI 25 to SRI 26	C20,C21	36"	497					1	1	0
18	SRI 26 to SRI 27	C20	36"	81					1	1	0
19	SRI 27 to 29R2	C20	36"	50					1	1	0
20	29R1 to 29R2	C20	36"	80	Cost for this Line to be included in Bid Line Item 7 (Do not include LF in other line items)						
36" Sewer Rehabilitation Summary:											

Line	Segment	Sheet	Diameter	Segment Length	Pipe Rehabilitation			Manhole Rehabilitation			Point Repairs
					Record segment length under each allowable cell to indicate method chosen and unit quantity			Include with Parallel Alternative	Include with CIPP Alternative	Included with Replace In Place	Include with CIPP Alternative
					Parallel (Bid Line Item 23)	CIPP (Bid Line Item 26)	Replace in Place (Bid Line Item 29)	New Manhole (Bid Line Item 24)	Manhole Rehabilitation (Bid Line Item 28)	Manhole Replacement (Bid Line Item 30)	Point Repairs (Bid Line Item 27)
21	29R1 to SRI 29	C20	42"	11					1	1	0
22	SRI 29 to SRI 30	C20	42"	101					1	1	0
23	SRI 30 to 36R14	C20	42"	10					1	1	0

24	36R14 to 36R13	C20	42"	12				1	0	0	0		
25	36R13 to 36R12	C20	42"	384				1	1	1	0		
26	36R12 to 36R11	C20	42"	72				1	1	1	0		
27	36R11 to 36R10	C19, C20	42"	264				1	1	1	0		
28	36R10 to 36R9	C19	42"	316				1	0	0	1		
29	36R9 to 36R8	C19	42"	206				1	1	1	0		
30	36R8 to 36R7	C19	42"	15				1	0	0	0		
31	36R7 to 36R6	C19	42"	384				1	1		0		
32	36R6 to 36R5	C19	42"	195				1	0		1		
33	36R5 to 36R4	C18, C19	42"	188				1	1		0		
34	36R4 to 36R3	C18	42"	166	Cost for this Line to be included in Bid Line Item 16 (Do not include LF in other line items)								
35	36R3 to 36R2	C18	42"	146	146			1					
36	36R2 to 36R1	C18	42"	191	191			1					
37	36R1 to SRI 36A	C18	42"	122		122			0		1		
38	SRI 36A to SRI 37	C18	42"	198		198			1		0		
39	40R1 to 40R2	C17	42"	299	Cost for this Line to be included in Bid Line Item 17 (Do not include LF in other line items)								
40	40R2 to 41R1	C17	42"	664	Cost for this Line to be included in Bid Line Item 18 (Do not include LF in other line items)								
41	41R1 to SRI 42	C16, C17	42"	325					1	1	0		
42	SRI 42 to SRI 43	C16	42"	529					1	1	0		
43	SRI 43 to SRI 44	C16	42"	365					1	1	0		
44	SRI 44 to 44R2	C16	42"	87					0	1	0		
45	44R2 to SRI 44A	C16	42"	115			115			1			
46	SRI 44A to 44R1	C15, C16	42"	243	Cost for this Line to be included in Bid Line Item 68 (Do not include LF in other line items)								
47	44R1 to SRI 45	C15	42"	85		85			1		0		
48	SRI 45 to SRI 45A	C15	42"	75		75			1		0		
49	50R1 to 53R8	C12, C13	42"	275		275			0		0		
50	53R8 to 53R7	C12	42"	147	147			2					
51	53R7 to 53R6	C12	42"	146	146			1					
52	53R6 to 53R5	C12	42"	431	431			1					
53	53R5 to 53R4	C12	42"	241	241			1					
54	53R4 to 53R3	C12	42"	82	82			1					
55	53R3 to 53R2	C12	42"	98	98			1					
56	53R2 to 53R1	C12	42"	13	13			0					
57	53R1 to 53R0	C12	42"	120	Cost for this Line to be included in Bid Line Item 19 (Do not include LF in other line items)								
58	53R0 to SRI 54	C11, C12	42"	270					1	1	0		
59	SRI 54 to SRI 54A	C11	42"	92					1	1	0		
60	SRI 54A to SRI 55	C11	42"	253					1	1	1		
61	SRI 55 to 66R11	C11	42"	194					0	0	0		
62	61R11 to 61R10	C11	42"	205	Cost for this Line to be included in Bid Line Item 20 (Do not include LF in other line items)								
63	61R2 to 61R1	C10	42"	26	Cost for this Line to be included in Bid Line Item 21 (Do not include LF in other line items)								
64	61R1 to 61R0	C10	42"	214	Cost for this Line to be included in Bid Line Item 22 (Do not include LF in other line items)								
65	61R0 to SRI 62	C10	42"	233					1	1	0		
66	SRI 62 to SRI 62A	C9, C10	42"	328					1	1	1		

67	SRI 62A to 66R7	C9	42"	15				0	0	0
68	66R7 to 66R6	C9	42"	17	17		1			
69	66R2 to 66R1	C9	42"	13	13		1			
70	66R1 to SRI 66	C9	42"	10				1	1	0
71	SRI 66 to SRI 67	C8, C9	42"	272				1	1	1
72	SRI 67 to SRI 68	C8	42"	489				1	1	1
73	SRI 68 to SRI 69	C8	42"	500				1	1	0
74	SRI 69 to 76R16	C8	42"	10				1	1	0
75	76R16 to 76R15	C8	42"	13	9		1			
76	76R2 to 76R1	C6	42"	23	23		2			
77	76R1 to SRI 77	C6	42"	124				1	1	0
42" Sewer Rehabilitation Summary:										

5.02 ESCROW ACCOUNT OPTION

Bidder may elect to use an escrow account procedure for utilization of the retainage funds and must acknowledge his intention by checking one of the following options:

- Yes, an escrow account will be used for retainage funds.
- No, an escrow account will not be used for retainage funds.

If neither item is checked above, “No” will be assumed.

Escrow Agreement instructions and form are included following page.

ESCROW INSTRUCTION SHEET

- A. The Franchisor shall return a fully executed copy of the escrow agreement, with original signatures, to the Division of Securities and Retail Franchising before its application will be made effective.
- B. The Franchisor shall also provide to the Division in writing, the name of the bank, the name, address and telephone number of the person(s) at the bank who may be contacted for information regarding the escrow account, and the account number. Any changes to this information shall be immediately provided to the Division.
- C. Funds in the escrow account will only be released upon completion by the Franchisor of its pre-opening obligations to the Franchisee. Requests for the release of escrowed funds shall be in writing and shall be sent to the Division. The Franchisor shall state in the request the exact amount of the funds to be released. The Division shall receive written certification from the Franchisee whose funds are to be released to the Franchisor. The certification shall state the amount of funds to be released, and that the Franchisor's pre-opening obligations to the Franchisee have been satisfied.
- D. Please refer to 21 VAC 5-110-65 of the Virginia Administrative Code, entitled "Escrow and Deferral", for additional information on the operation of escrow accounts.

ESCROW AGREEMENT

This Escrow Agreement, made this ____ day of _____,
_____, by _____ organized under the laws of
the State of _____, (hereinafter referred to as “Franchisor”) and
_____ (hereinafter referred to as “Bank”).

WHEREAS, the Franchisor desires to offer and sell franchises in the Commonwealth of Virginia, and

WHEREAS, it is the discretion of the Virginia State Corporation Commission (the “Commission”) as Administrator of the Virginia Retail Franchising Act, to require an escrow of franchise fees and other fees paid by the franchisee to the Franchisor, and

WHEREAS, in order to conform to the procedures for arranging an escrow account, the Franchisor desires to enter into an Escrow Agreement with the Bank, pursuant to which franchise fees and other fees are to be held in escrow for the purpose of complying with the Virginia Retail Franchising Act.

NOW, THEREFORE, with the foregoing recitals hereinafter incorporated by reference and made a part hereof, it is agreed as follows:

1. The Franchisor shall, until release of escrowed funds as hereinafter provided, deposit with the Bank, all monies obtained from each franchisee that contracts to operate the franchised business within the Commonwealth of Virginia.
2. All funds delivered by the Franchisor to the Bank will be placed in a separate account designated substantially as follows: _____
3. The Bank shall pay out funds, plus interest if any, from the Escrow Account only upon the occurrence of one of the following conditions:
 - a. A letter from the President or Secretary of the Franchisor directing the Bank to pay out such funds to _____ accompanied with a written notice from the Commission stating that it takes no exception to the release of such funds to _____.
 - b. Upon written notice from the Commission, the Bank shall return the deposited franchise fees and other fees to a specific franchisee.
 - c. The Bank shall pay funds into court or disburse or deliver them in accordance with any order of any court of competent jurisdiction.

4. The Franchisor will supply the Bank with the name and address of each franchisee, together with the amount of the deposit that represents each franchisee's franchise fees and other fees, and the Bank will retain records containing the same information.
5. Any funds deposited in the Escrow Account pursuant to this Escrow Agreement shall be invested and kept invested by the Bank in obligations of the United States, or a savings account or savings accounts of the Bank, or money market funds of or available to the Bank and to which the Bank or an affiliate is investment advisor or provides other services and receives reasonable compensation for such services, provided the money market funds are rated AAAM by Standard and Poor's and Aaa by Moody's Investor Services, or U.S. Treasury Bills, Notes or Bonds until such funds are to be disbursed as provided in Paragraph 3 hereof. All interest received and any increment shall be added to the funds so deposited in the Escrow Account and shall be distributed as provided in Paragraph 3 hereof.
6. The Commission may inspect the records of the Bank, insofar as they relate to this Escrow Agreement, for the purpose of determining compliance with and conformance to the provisions of this Escrow Agreement. At the Commission's discretion, statements indicating the status of escrow shall be furnished by the Bank to the Commission.
7. The Franchisor shall pay to the Bank reasonable compensation for expenses incurred and services rendered by the Bank under this Escrow Agreement.
8. The Bank shall have no duty to determine the propriety of any deposit or disbursement of funds. Additionally, the Bank shall have no duty to the Franchisor, the Commission, any franchisee or any other party except as expressly stated in this Escrow Agreement. The Franchisor does hereby indemnify the Bank from any and all costs, claims and expenses, including attorneys' fees, which may be incurred by or which may accrue to the Bank relating to the opening or maintenance of any account established under this Escrow Agreement.
9. All proceeds deposited pursuant to this Escrow Agreement shall not be subject to any liens or charges by the Bank, or judgments or creditor's claims against the Franchisor.
10. The Franchisor shall give each franchisee a copy of this Escrow Agreement prior to collecting any funds from that franchisee.
11. The Bank's duties under this Escrow Agreement shall terminate upon final distribution of all monies deposited as provided hereunder.
12. This Escrow Agreement is governed by the laws of the Commonwealth of Virginia.

IN WITNESS WHEREOF, each party has caused this Escrow Agreement to be signed and executed, and its corporate seal hereto affixed, in its name by its proper and fully authorized officer or officers on the day and year first above written.

ATTEST:

NAME AND ADDRESS OF BANK

_____ By: _____

(Bank's Secretary)

Title: _____

NAME AND ADDRESS OF FRANCHISOR

_____ By: _____

(Franchisor's Secretary)

Title: _____

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
 - A. Acknowledgement of all Addenda
 - B. Completed Rehabilitation Methods Schedule
 - C. Bidder Compliance Statement/Certification Regarding Equal Employment Opportunity (RLF Attachment #2);
 - D. American Iron and Steel (AIS) Certification Statement (RLF Attachment #6);
 - E. Required Bid Bond;
 - F. List of Proposed Subcontractors meeting MBE/WBE requirements;
 - G. List of Proposed Suppliers meeting MBE/WBE requirements;
 - H. CIPP Contractor Quality Assurance Supporting Information;
 - I. Name of CIPP Line Manufacturer: _____;
 - J. Name of Design Engineer for CIPP Liner Systems: _____;
 - K. CIPP Liner Design Engineer’s License No.: _____;
 - L. Evidence of authority to do business in the state of the Project;
 - M. Contractor’s License No.: _____;

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid is submitted by:

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's signature)

Doing business as: _____

A Partnership

Partnership Name: _____

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____
(CORPORATE SEAL)

Attest _____

Date of Qualification to do business in _____ is ____ / ____ / ____.

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of second joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Bidder's Business Address _____

Phone No. _____ Fax No. _____

E-mail _____

SUBMITTED on _____, 20____.

State Contractor License No. _____.

County of Henry

P. O. BOX 7
COLLINSVILLE, VIRGINIA 24078



TELEPHONE (276) 634-4615

FAX (276) 634-4628

BUILDING INSPECTION DEPARTMENT

March 6, 2017

Re: Dewberry Engineers Inc.
Project: Martinsville Smith River Interceptor CMP Rehabilitation
Contract III Local Land Disturbance Permits
Erosion & Sediment Control Plans Review
Prepared by: R. Scott Ehrhardt w/ Dewberry Engineers, Inc.
Plans dated: February 6, 2017
Plans received: February 9, 2017

The plans submitted for the Smith River Interceptor CMP Rehabilitation for the City of Martinsville Contract III has been reviewed and are considered adequate for construction.

Sincerely,

Charles Campbell
County of Henry
Erosion and Sediment Control
Combined Administrator

CC/cb

FILE:
SMITH RIVER
INTERCEPTOR
CONTRACT III

CITY OF MARTINSVILLE, VIRGINIA
EROSION AND SEDIMENT CONTROL PROGRAM

LAND DISTURBING PERMIT APPLICATION
(to be submitted with proposed conservation plan)

Date FEB 21, 2017

1. Applicant's Name and Address

CITY OF MARTINSVILLE, VA
55 W. CHURCH ST. 24112

2. Telephone No. 276/403-5159

3. Landowner's Name and Address
(if different from applicant)

4. Telephone No. _____

Cert. RLD 36114, PRILLAMAN & PACE, INC.

5. *Who will be responsible for carrying out approved conservation plan?

Owner Applicant

NOTE: The person who is designated as being responsible for carrying out the approved plan will be subject to the penalties for non-compliance provided in the City of Martinsville Erosion and Sediment Control Ordinance.

6. Location of land disturbing activity:

SEWER REPAIRS ALONG SMITH RIVER
SMITH RIVER INTERCEPTOR - CONTRACT III

Tax Map Section: _____ Block _____ Lot _____

7. Name of person who prepared the proposed conservation plan:

SCOTT EHRHARDT, P.E.
of DEWBERRY
(Firm, Company, Etc.)

8. Approximate acreage of land or number of lots to be disturbed

LINEAR PROJECT

(a) Plan review and inspection fee

WAVED

(b) Ordinance Compliance _____

9. Planned starting date of land disturbing activity:

MARCH 2017

10. Planned approximate duration of land disturbing activity

4-6 mo.'s

11. What is the purpose of proposed land disturbing activity?

SEWERLINE INSTALLATION

I, the owner, hereby certify that _____
as applicant is my duly appointed agent and as such shall be responsible for all requirements under
the City of Martinsville Erosion and Sediment Control Program.

I, the owner, of the land on which the above proposed land disturbing activity is to take place,
hereby grant unto appropriate local officials, permission to enter my property for the purposes of
monitoring or inspecting the land disturbing activities and installation, reinstallation or maintenance
of erosion and sediment control measures in the event the applicant fails to install or maintain the
approved control measures.

Signed _____
(Owner of Land)

I, hereby certify that I will properly perform all erosion and sediment control measures contained
in the approved conservation plan, and that I will cooperate to the best of my ability with local
officials toward implementing effective erosion and sediment control measures on the construction
site under permit.

Signed _____
(Person responsible for carrying out plan)



Martinsville

A CITY WITHOUT LIMITS

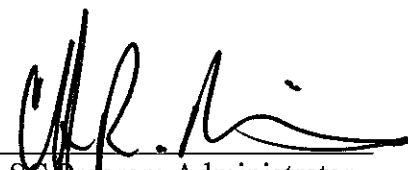
**CITY OF MARTINSVILLE
EROSION AND SEDIMENT CONTROL
PLAN REVIEW**

Plan submitted by: Dewberry
Project: Smith River Interceptor CMP Rehabilitation Contract III
Location: Along Smith River, Meadowview Lane to Lanier Road Section
Plans Reviewed/ by: C. Morris
Date: 2/6/17

The plan as submitted is: X Approved
 Not Approved
 Approved, with conditions
 Incomplete, supply
 additional information

Please note that additional permits may be necessary from other State and Federal Agencies.

Section 8-39 of the Code of the City of Martinsville requires that a bond or other surety is required to be posted with the City in the amount determined by the Program Administrator. Such surety shall be conditioned to conform any work to approved standards, specifications and criteria as set out in the Approved Erosion and Sediment Control Plan. The E&SC Inspector shall make final inspection of the project. The release of bonds and sureties is contingent upon such inspections. Release shall occur within 60 days after disturbed areas are deemed permanently stabilized by the Program Administrator. The amount of surety bond required for this project will be covered under the Contractor's Performance Bond for this contract.



E & SC Program Administrator

2/21/17
Date

CITY OF MARTINSVILLE, VIRGINIA
LAND DISTURBING PERMIT

SMITH RIVER INTER.

Permit No. CONTRACT III Date _____ Permit Fee WAIVED
Name, Address and Telephone No. of person responsible for _____
carrying out approved conservation plan: _____
CITY OF MARTINSVILLE, VA
55 W. CHURCH ST.
MARTINSVILLE, VA 24112
270/403-5159

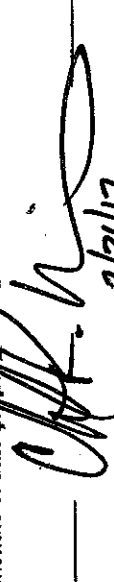
Name, Address and Telephone No. of land owner (if different) _____

Description of Land Disturbing Activity: SEWERLINE INSTALLATION

Location of Activity: ALONG SMITH RIVER; MEADOWVIEW LANE TO CANE RD.

Tax Map Section _____ Block _____ Lot _____
The holder of this permit is hereby authorized to conduct land disturbing activities at the above location, subject to the provisions of the City of Martinsville Erosion and Sediment Control Ordinance.

NOTE: (1) This permit is not valid unless marked paid by City Treasurer.
(2) Permit will become void if construction work is not started within six months of date the permit is issued as noted above.

 2/21/17

This permit conveys no right to occupy any street, alley or sidewalk or any part thereof, either temporarily or permanently, encroachments on public property, not specifically permitted under the building code, must be approved by the jurisdiction. Street or alley grades as well as depth and location of public sewers may be obtained from the Department of Public Works. The issuance of this permit does not release the applicant from the conditions of the applicable subdivision restrictions.