

**Project: York County Sanitary Sewer Improvements
Stockbridge Trunk Sewer
Bid # 3035**

**ADDENDUM NO. 1
April 20, 2026**

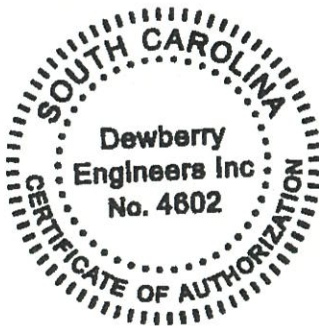
To Bidders:

This Addendum No. 1 is hereby made part of the Contract Documents on which the contract will be based, and is issued to modify, explain, and/or correct the original contract documents. Please attach this addendum to your Contract Documents and submit bids and be otherwise governed accordingly. Please bid written documents and addenda only. Receipt of this Addendum must be acknowledged on Page 2 of the Bid Form (00410).

This addendum consists of the following pages.

- I. THIS COVER SHEET
- II. QUESTIONS FROM BIDDERS WITH ANSWERS
- III. CHANGES TO THE SPECIFICATIONS
- IV. ATTACHMENTS

APPROVED BY:




Benjamin W. Koski, P.E.
Department Manager

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II. QUESTIONS FROM BIDDERS AND ANSWERS

The following questions and the *answers* by the Owner are for informational purposes only and are not considered part of the Contract Documents. These questions are those received by the Owner by April 16, 2026. Questions submitted after April 16, 2026 will not be addressed.

The information below shall not modify or amend the Contract Documents.

QUESTIONS FROM BIDDERS AND ANSWERS FROM THE PRE-BID MEETING:

Q1: Is “Produced in America” (Build America, Buy America Act – BABA) documentation required for this project?

A1: *BABA documentation is not required for this project.*

Q2: Are MBE (Minority Business Enterprise) and WBE (Women Business Enterprise) documents required for this project?

A2: *MBE/WBE documentation is not required for this project.*

Q3: Will any flow monitoring data be provided for this project?

A3: *No flow monitoring will be performed for this project, and by extension no data will be provided. Sheet G-004 of the Construction Drawings outlines theoretical average and peak flows for sizing bypass pumping operations.*

Q4: Can the bid form be modified to exclude the carrier pipes from the guaranteed jack and bore line items?

A4: *The bid form has been revised to omit the carrier pipes from line items 10-13, as to not double count the proposed gravity sewer piping.*

Q5: Can 24-inch or 30-inch steel casings be used in place of the 26-inch steel casings specified in the contract documents?

A5: *The 26-inch steel casings specified in the contract documents are standard sizes per the York County specifications. York County will consider the use of larger steel encasements if requested by the successful bidder.*

Q6: Is the cost estimate available?

A6: *The cost estimate will not be provided.*

Q7: When is the Notice to Proceed (NTP) dated expected to be?

A7: *The estimated timeframe for the Notice to Proceed to be issued is from late May to late June.*

Q8: Can pay items for outside drops be added to the bid form?

A8: *The bid form and measurement and payment sections have been revised to include pay item 26 for the outside drops specified in the Construction Drawings.*

Q9: What are the work hours for this project?

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A9: Standard work hours (Monday – Friday, 7am – 5pm) will be adhered to for this project. Any work done outside of these hours must be approved by the York County Engineering Department.

Q10: Will all new gravity sewer lines need to be air tested?

A10: All new gravity sewer lines will need to be air tested per Specification section 33 05 05. 3.5. E. 3.

Q11: Does the contractor need to be running bypass pumping operations 24/7 (i.e. overnight)?

A11: Bypass pumping does not need to be ran 24/7. If a temporary connection can be made to the existing gravity sewer at the end of the day to convey wastewater overnight, then no bypass pumping will be needed. The contractor shall not have sewage flowing directly in the trench.

Q12: How is the 10% for Contingency calculated? Can the Contingency line item be moved to the bottom of the bid form?

A12: The contingency on the bid form is 10% of the total of line items 1 through 26. The bid form and measurement and payment sections of the specifications have been updated accordingly.

Q13: Can the contractors get access to the four existing pump station sites to be decommissioned as part of this project?

A13: Contractors are welcome to drive to and walk around the fence at the four existing pump stations sites. If a contractor wants access inside the locked gate at any of the four existing pump station sites, please contact Matt Glenn at 803-242-3061 to schedule a time to visit the site(s).

QUESTIONS FROM BIDDERS AND ANSWERS AFTER PRE-BID

Q1: Inside the pipe, pay items it calls out the marker post. How often will the contractor need to provide a marker post?

A1: No marker posts are required as part of this project. The measurement and payment section has been updated accordingly.

Q2: In spec section 01 85 00-2, it says bypass equipment shall be by Godwin Pumps. There are several other bypass companies out there that do not use Godwin Pumps. How do we determine if they are equal?

A2: Specification section 01 85 00 has been revised to omit requirements for Godwin Pumps.

Q3: Would an auto dialer be acceptable in lieu of someone being on site full time?

A3: Yes, an auto dialer is acceptable to use as opposed to having someone on site full time. Reference question 11 of the pre-bid meeting preliminary questions.

Q4: In spec section 02 80 00-1, it says the entire above and below-ground structures shall be removed. While on the plans, it shows abandoning the wet well. Please clarify.

A4: Manholes 6, 7, and 8 will be entirely removed and replaced with proposed manholes per sheets C-101 and C-102 of the construction drawings. Existing sanitary sewer manholes 1, 18, 19, 20, and 21 will be modified as seen on sheets C-101, C-103, and C-105 of the construction drawings. Only the existing wet well shown on sheet C-104 of the construction drawings will be modified (Stockbridge

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Pump Station), with the other above and below ground features at the Stockbridge Pump Station being removed in their entirety per specification section 02 80 00. The wet wells and all other above and below ground features for the Palmetto West Pump Station, Hawks Creek Pump Station, and Brook Springs Pump Station will be demolished and backfilled per the keynotes on sheets C-402, C-403, and C-405 of the construction drawings and specification section 02 80 00.

Q5: Is a standby pump for dewatering going to be required?

A5: *See specification section 31 23 05, 3.4.*

Q6: Will we be required to have someone on site 24/7 to monitor dewatering?

A6: *See specification section 31 23 05, 3.4.*

Q7: In spec section 31 23 05-15 temporary pavement. Can we fill the excavation with 6 inches of ABC instead of placing 1-1.5 inches of temporary asphalt concrete pavement?

A7: *For areas requiring continuous excavation in paved areas that spans multiple work days, 6 inches of ABC is acceptable until the entirety of the excavation is complete. However, once the continuous excavation is complete, temporary paving will be immediately required per Specification section 31 23 05, 3.1, H until permanent pavement restoration/replacement is completed.*

Q8: In spec section 31 23 05-18, it says to provide a temporary barrier surrounding excavations. (a) Will this be required for the whole length of the project? (b) Will orange fencing be sufficient? (c) Will we be required to have temporary barriers while going through the road?

A8: *Temporary barriers surrounding excavations will be required for all project locations. For trenching in pavement areas, temporary barriers during working hours will suffice to protect the public. If trenches in pavement are left overnight, traffic rated steel plating shall be used to protect the public. Temporary barriers are to comply with York County Standard Specifications, section 31 23 05, 3.14.*

Q9: Will cathodic protection be required for this project?

A9: *No, cathodic protection is not required for this project. Per specification section 33 05 05, page 15, cathodic protection is only required for steel pipelines.*

Q10: In spec section 33 05 05-8, it talks about Polyethylene Encasement "for ductile iron piping to prevent contact between pipe and surrounding bedding material and backfill." Is this for the entire project or just particular sections? If required for sections, then where?

A10: *The Polyethylene Encasement is only required when seen on the construction drawings. Per the construction drawings, none is required for this project.*

Q11: In spec section 33 05 05-8, it says "Bolts and nuts, except those of stainless steel, shall be coated with two coats, minimum dry film thickness of eight mils each, of high build solids epoxy or bituminous coating manufactured by Tnemec, or equal." Is this coating going to be required if you do not provide SS?

A11: *Per the York County Standard Specifications, section 33 05 05, 3.1, H.h, the epoxy or bituminous coating will be required for any bolts and nuts that are not stainless steel.*

Q12: In spec section 33 05 23.17-5 under approved manufacturers, it calls out for Mech-Lok. Would HDSS by US Pipe be an approved equal?

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A12: HDSS by US Pipe would be considered an approved equal.

Q13: In spec section 33 05 23.17-6, it calls out grout fill in between the casing and the carrier pipe. Is this going to be required for this project?

A13: Per the York County Standard Specifications, section 33 05 23.17, 2.2, D, grouting will be required for all spaces between the casing and adjacent soils.

Q14: In spec section 33 05 23.17-7, it says, "Once jacking has begun, the operation must continue without interruption, insofar as practical, to prevent the pipe from becoming firmly set in the embankment." If the bore and jack contractor believes that he can stop overnight without the pipe seizing, will this be required?

A14: If the bore and jack contractor can adequately stop the jacking and boring operation without the pipe seizing or the pipe becoming firmly set in the embankment, then overnight stoppage will be approved at the contractor's risk. All jack and bores on this project are guaranteed.

Q15: When do you expect to issue the notice to proceed?

A15: See response to Question 7 of the pre-bid meeting preliminary questions.

Q16: Are there any time restrictions?

A16: See response to Question 9 of the pre-bid meeting preliminary questions.

Q17: Are we able to turn the flow at night? So, we will not have to continuously watch the bypass throughout the night.

A17: See response to Question 11 of the pre-bid meeting preliminary questions.

Q18: Will we be required to air test while we are in the same trench? We will be connecting services as we are going; it would be more difficult to air test?

A18: See response to Question 10 of the pre-bid meeting preliminary questions.

Q19: Bid items 10 and 11. The 26-inch casing is not a typical size. The majority of people would upsize this to a 30" casing. Would you consider changing this to 30" casings?

A19: See response to Question 5 of the pre-bid meeting preliminary questions.

Q20: In the Bore & Jack pay items, it says to include the carrier pipe, but it appears you have it covered in the pipe bid items. Please clarify if we need to include the carrier pipe?

A20: See response to Question 4 of the pre-bid meeting preliminary questions.

Q21: I did not see a bid item for reconnecting existing sewer services to the pipe. Can this bid item be added? And is it just to be reconnected at the closest intersection of old and new pipe, or do we need to go back to the edge of the existing ROW with a new cleanout?

A21: The measurement and payment section has been revised to include reconnecting existing sewer services as part of the proposed gravity sewer main installation. The contractor shall shorten or extend existing sewers service piping and fittings to reconnect the existing sewer service pipe to the proposed sewer main.

Q22: On sheet C1.01, manhole 1 appears to be an existing manhole. Are we removing and replacing this manhole, or are we tying into the existing manhole?

A22: Manhole 1 (MH-1) on sheet is an existing manhole. The contractor should tie into this manhole. The successful bidder is to field verify the inverts and rim elevation of the denoted manhole.

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- Q23: Bid item 5, just want to confirm. The contractor is to remove the existing tee and store it in a nursery, then bring it back and plant it.
- A23: *There is no requirement to transport or store existing trees off-site. Bid Item #5 does require the contractor to protect existing trees that are called out to be temporarily relocated and replaced.*
- Q24: Is there a geotechnical report available?
- A24: *A geotechnical report is not available for this contract.*
- Q25: Section 33 05 13, Subsection 1.1.B.4 states that "All Sanitary or process manholes (...) shall be PVC lined or coated with Saureiesen or Sewer Shield 100 or Tnemec Perma-Shield 431." Would Raven 405 be an acceptable "or-equal" to these products?
- A25: *Raven 405 Epoxy coating is an approved "or equal" for this application.*
- Q26: Please confirm whether carrier pipe through bored casings is payable via the pipe items (#7 and #9), or the bore items (#10-13). Measurement and payment for bore items says it includes carrier pipe, but quantities for pipe items includes the footages going through the bores?
- A26: *See response to Question 4 of the pre-bid meeting preliminary questions.*
- Q27: In the jack and bore section, carrier pipe is stated to be RJ by either Mech-Lock pipe, MJ Harness-Lock pipe, or approved equal. MJ Harness-Lock we believe may not be manufactured anymore. Mech-lock is very expensive and carries very long lead times. Would HDSS RJ Pipe and/or Field-Lok gaskets be considered approved equals?
- A27: *See response to Question 12 of the after pre-bid meeting questions. Additionally, Field-Lok gaskets are not acceptable as an approved equal.*
- Q28: Please confirm all pipe is to be exterior zinc-coated. In conjunction with previous question, this would pose a very long lead time for pipe that is both Mech-lock and zinc coated?
- A28: *Zinc is an acceptable coating, but not required. Asphaltic coating is also acceptable.*
- Q29: Please confirm any required compaction testing will be performed at owner's expense?
- A29: *Any required compaction testing will be performed at the Owner's expense per Specification Section 31 23 05.*
- Q30: Please confirm whether or not all DIP is to be encased in polyethylene wrap?
- A30: *See response to Question 10 of the after pre-bid meeting questions.*
- Q31: Please confirm cathodic protection is not required anywhere on this job?
- A31: *See response to Question 9 of the after pre-bid meeting questions.*
- Q32: A soils report was included in the project manual. Was there a geotechnical investigation performed to indicate the presence and location of rock along the project route?
- A32: *See response to Question 24 of the after pre-bid meeting questions.*
- Q33: Will third-party NPDES inspections be required on this project?
- A33: *Third-party NPDES inspections will not be required for this project. Contractor self-certification is required.*
- Q34: Can you please indicate location of any potential laterals to be installed on this new gravity sewer? And for the sections of pipe that contain new laterals, would a

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mandrell test alone be sufficient in lieu of a pressure test? We cannot pressure test a run of sewer with active laterals on it.

A34: The location of sewer laterals to be reinstated on the proposed gravity sewer lines are off of Blowing Rock Cove. Sheets C-101 and C-102 of the construction drawings indicate that there are existing sanitary sewer laterals at Property Identification Numbers 6460101042, 6460101043, 6460101044, and 6460101045, denoted with the "SSL" linetype. Contractor is to be advised there may be other potential existing sewer laterals on Blowing Rock Cove and throughout the project area that were not identified, and those are to be reinstated as well (See question 21 of the after pre-mid meeting questions). In regard to the mandrell test, see response to question 10 of the pre-bid meeting preliminary questions. Consideration will be given during construction to the viability of air testing sewer mains with active service laterals.

III. CHANGES TO THE SPECIFICATIONS

Section 00410 Bid Form

DELETE entire section 004100 Bid Form, **REPLACE** with attached section 044100 Bid Form.

Section 01025 Measurement and Payment

DELETE entire section 01025 Measurement and Payment, **REPLACE** with attached section 01025 Measurement and Payment.

Section 018500 Temporary Bypass Pumping System

DELETE entire section 018500 Temporary Bypass Pumping System, **REPLACE** with attached section 018500 Temporary Bypass Pumping System.

IV. ATTCHMENTS

Section 004100 Bid Form

Section 01025 Measurement and Payment

Section 018500 Temporary Bypass Pumping System

BID FORM

Stockbridge Trunk Sewer Sanitary Sewer Improvements

Submitted: _____, 20____

York County Government
6 South Congress Street
York, SC 29745

Sir or Madam:

The undersigned, as Bidder, hereby declares that the only person or persons interested in the Bid, as principal or principals, is or are named herein and that no other person than herein mentioned has any interest in the Bid of the Contract to which the work pertains; that this Bid is made without connection or arrangement with any other person, company, or parties making a bid or proposal and that the Bid is in all respects fair and made in good faith without collusion or fraud.

The Bidder further declares that he has examined the site of the Work and, through personal knowledge and experience and/or subsurface investigations, has fully satisfied himself in regard to all conditions pertaining to such site and he assumes full responsibility therefore; that he has examined the Drawings and Specifications for the Work and from his own experience or from professional advice that the Drawings and Specifications are sufficient for the Work to be done; that he has examined the other Contract Documents and all addenda relating thereto, and that he has satisfied himself fully, relative to all matters and conditions with respect to the Work to which this Bid pertains.

The Bidder proposes and agrees, if this Proposal is accepted, to contract with York County Government (OWNER) in the form of contract specified, to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation and labor and to perform all work necessary to complete the Work specified in the Bid and other Contract Documents.

The Bidder further proposes and agrees to commence substantial work on this project **within 15 days** of a Notice to Proceed and agrees that the Work will be substantially completed **within 548 calendar days** of the Notice to Proceed and ready for final payment **within 30 calendar days** of Substantial Completion.

The Bidder further agrees that the deductions for liquidated damages, as stated in the Agreement and General Conditions, constitute fixed, agreed, and liquidated damages to reimburse the OWNER for additional costs to the OWNER resulting from the Work not being completed within the time limit stated in the Contract Form. The liquidated damages shall be \$500.00 for each consecutive calendar day thereafter.

The Bidder further agrees to execute a Contract and furnish satisfactory Performance and Indemnity and Payment Bonds, and the required Certificates of Insurance, within ten consecutive calendar days after receipt of Notice of Award of the Contract, and the undersigned agrees that in case of failure on his part to execute the said Contract and Performance and Indemnity and Payment Bonds within the ten (10) consecutive calendar days after the award of the Contract, the Bid guarantee accompanying his Bid and the money payable thereon shall be paid to the OWNER as liquidation of damages sustained by the OWNER; otherwise, the Bid guarantee shall be returned to the undersigned after the Contract is signed and the Performance and Indemnity and Payment Bonds are filed.

Acknowledgement is hereby made of the following Addenda received since issuance of the Bid Documents:

Addendum No. _____

Dated: _____

Addendum No. _____

Dated: _____

Addendum No. _____

Dated: _____

Note:

All work performed by the Contractor as essential to the completion of the intent of the Contract Documents shall be paid in accordance with the Bid Schedule. No direct payment will be made for work performed which is not shown as a separate Bid Item. The undersigned proposes the following unit prices to be utilized on the Work or Extra Work should modifications or variations incorporate these items of work into the Work.

Bid Form

Stockbridge Trunk Sewer Sanitary Sewer Improvements

Base Bid List

(The base bid of this bid document shall include all costs in a Lump Sum Amount for the items described within the plan sheets and as outlined in Specification Section 01 02 50 Measurement and Payment).

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

Contract Item No.	Description of Work Contract Item No. Unit Price in Words	Bid Item (Type)	Estimated Quantity	Unit Price	Computed Total Price
1	Furnish, Install, Maintain and Remove Erosion & Sediment Control, Complete _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
2	Temporary Bypass Pumping _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
3	Tree Removal, Storage, Protection and Replacement _____ Dollars and _____ Cents	Each	28	\$	\$
4	Maintenance of Traffic _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
5	8" Gravity Sewer DIP (CL 350) _____ Dollars and _____ Cents	Linear Feet	988	\$	\$
6	12" Gravity Sewer DIP (CL 350) _____ Dollars and _____ Cents	Linear Feet	2,845	\$	\$
7	16" Gravity Sewer DIP (CL 250) _____ Dollars and _____ Cents	Linear Feet	716	\$	\$
8	Guaranteed Jack and Bore of 16-inch carrier pipe in 26-inch casing crossing existing pump station (MH-3 to MH-4) _____ Dollars and _____ Cents	Lump Sum	1	\$	\$

Contract Item No.	Description of Work Contract Item No. Unit Price in Words	Bid Item (Type)	Estimated Quantity	Unit Price	Computed Total Price
9	Guaranteed Jack and Bore of 16-inch carrier pipe in 26-inch casing crossing existing stream (MH-4 to MH-5) _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
10	Guaranteed Jack and Bore of 8-inch carrier pipe in 16-inch casing crossing Blowing Rock Cove (MH-5A to MH-32) _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
11	Guaranteed Jack and Bore of 8-inch carrier pipe in 16-inch casing crossing Hawks Creek Parkway (MH-34 to MH-35) _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
12	4-ft Diameter Manhole _____ Dollars and _____ Cents	Each	34	\$	\$
13	Modification of Ex. Precast Structures _____ Dollars and _____ Cents	Each	4	\$	\$
14	Core Drill Existing Wet Well _____ Dollars and _____ Cents	Each	1	\$	\$
15	Demolition of Ex. Stockbridge Commons Pump Station _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
16	Demolition of Ex. Hawks Creek Pump Station _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
17	Demolition of Ex. Brook Springs Pump Station _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
18	Demolition of Ex. Palmetto West Pump Station _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
19	Asphalt Open-Cut and Repair _____ Dollars and _____ Cents	Square Yards	40	\$	\$

Contract Item No.	Description of Work Contract Item No. Unit Price in Words	Bid Item (Type)	Estimated Quantity	Unit Price	Computed Total Price
20	Blowing Rock Cove Pavement Restoration _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
21	Concrete Curb and Gutter Repair _____ Dollars and _____ Cents	Linear Feet	100	\$	\$
22	Flowable Fill for Abandoned Pipes _____ Dollars and _____ Cents	Cubic Yard	10	\$	\$
23	Unsuitable Soil Replacement _____ Dollars and _____ Cents	CY, Contract Contingent Item	2500	\$	\$
24	Unsuitable Soil Undercut _____ Dollars and _____ Cents	CY, Contract Contingent Item	900	\$	\$
25	Trench Rock Removal _____ Dollars and _____ Cents	CY, Contract Contingent Item	1650	\$	\$
26	Outside Drop _____ Dollars and _____ Cents	Each	5	\$	\$
27	<u>5% of Sum of Contract Items 1-26 above</u> Mobilization _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
28	<u>10% of Sum of Contract Items 1-26 above</u> Construction Allowance _____ Dollars and _____ Cents	Lump Sum	1	\$	\$
Bid	<u>Sum of Contract Items 1-28 above</u> _____ _____ Dollars and _____ Cents	-	-	\$ _____	

Notes:

1. The Total Prices for these Contingent Contract Items will be removed from the Contract Price by Change order if the Contractor is not directed to perform the Contract Item.

Attached hereto is a cashier's check on the _____
_____ Bank of _____
_____ or Bid Bond for the sum
_____ Dollars (_____), made payable
to _____ (Owner).

_____ L.S.
(Name of Bidder) (Affix Seal)

_____ L.S.
(Signature of Officer)

_____ L.S.
(Title of Officer)

Address:

P.O. Box _____ Street: _____

City: _____ State, Zip Code: _____

Telephone: _____ Fax: _____

Federal ID#: _____

Email address: _____

Contractor License type: _____ Contractor License number: _____

License status: _____ Expiration: _____

Classification: _____

The full names and residences of persons and firms interested in the foregoing bid, as principals, are as follows:

Name of the executive who will give personal attention to the work:

Attach list of subcontractors as required by Article 13.4 of Information to Bidders.

END OF SECTION

SECTION 01 02 50
MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.1 GENERAL:

- A. The CONTRACTOR shall receive and accept the compensation provided in the BID and the CONTRACT as full payment for furnishing all materials, labor, tools and equipment, for performing all operations necessary to complete the work under the CONTRACT, and also in full payment for all loss or damages arising from the nature of the work, or from any discrepancy between the actual quantities of work and quantities herein estimated by the ENGINEER, or from the action of the elements or from any unforeseen difficulties which may be encountered during the prosecution of the work until the final acceptance by the OWNER.
- B. The prices stated in the BID include all costs and expenses for taxes, labor, equipment, materials, commissions, transportation charges and expenses, patent fees and royalties, labor for handling materials during inspection, together with any and all other costs and expenses for performing and completing the work as shown on the Drawings and specified herein. The basis of payment for an item at the unit price shown in the BID shall be in accordance with the description of that item in this Section.
- C. The CONTRACTOR's attention is called to the fact that the quotations for the various items of work are intended to establish a total price for completing the work in its entirety. Should the CONTRACTOR feel that the cost for any item of work has not been established by the BID Form or Payment Items, the CONTRACTOR shall include the cost for that work in some other applicable bid item, so that CONTRACTOR's BID for the project does reflect his total price for completing the work in its entirety.

1.2 MEASUREMENT

- A. The quantities for payment under this CONTRACT shall be determined by actual measurement of the completed items, in place, ready for service and accepted by the OWNER, in accordance with the applicable method of measurement therefor contained herein. A representative of the CONTRACTOR shall witness all field measurements.

1.3 PAYMENT ITEMS

- A. Payment items herein correspond to the Bid Item Number as indicated in the BID Form.
 - 1. Furnish, Install, Maintain and Remove Erosion Control, Complete:**
 - a. Lump Sum price to provide all labor, materials, equipment, tools and management to furnish, install, maintain and remove Erosion Control Devices at the locations and per the details shown on the plans and in accordance with these specifications shall include, but not be limited to: clearing and grubbing, excavation; stockpiling of materials; furnishing, installing and removing silt fence; handling, placing and removing tree

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MEASUREMENT AND PAYMENT

protection; tree removal and stump grinding; handling, placing and removing inlet protection; backfill and compaction; removal and disposal of waste materials; clean-up; additional erosion control measures as required by the County Inspector; and any other incidental items required for proper operation of the Erosion Control.

- b. Contractor may apply for up to 60% of the Lump Sum total to furnish, install, maintain and remove Erosion Control Devices after approved installation of the erosion control devices. Contractor may apply for up to 20% of the Lump Sum total during construction to cover cleaning and maintenance of erosion control devices. Contractor may apply for the remaining 20% of the Lump Sum total after removal of the erosion control devices.

2. Temporary Bypass Pumping:

- a. Measurement: Lump Sum price to provide all labor, materials, equipment, tools and management to provide temporary bypass pumping during construction of the gravity sewer.
- b. Payment for Temporary Bypass Pumping shall be made Lump Sum (LS) upon completion and acceptance of the gravity sewer.

3. Tree Removal, Storage, Protection and Replacement:

- a. Measurement: This item shall include all items necessary to furnish all material, equipment and labor necessary for removal, storage, protection and replacement of trees indicated on the plans.
- b. Payment: Tree removal, storage, protection and replacement will be paid for at the contract unit price per each (EA) and shall include all material, equipment, and labor for the removal, storage, protection and replacement of trees. No additional compensation will be made for removal and storage of trees.”

4. Maintenance of Traffic

- a. Measurement: This work shall include all items necessary to maintain safe access for both vehicular and pedestrian traffic at all times throughout the project work zone. In addition to the items of work as listed in Section I.G of the York County Government Sewer Specifications & Standard Details.
- b. Payment: Payment for maintenance of traffic will be made on a Lump Sum (LS) basis and will include all items of work as outlined above.

5. 8” Gravity Sewer DIP (CL 350)

- a. Measurement and payment for the 8” Ductile Iron (CL 350) Pipe, except as otherwise specified, will be based on the laying length of the pipe in linear feet (LF) actually placed as measured along the centerline of the completed pipe, including the length of fittings and specials measured along their centerlines.
- b. Payment for gravity sewer will be made at the contract unit price bid per linear foot per size installed and shall include, but is not limited to: all

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MEASUREMENT AND PAYMENT

labor, materials, and equipment, including fittings, appurtenances, special coatings and linings, specials and locator wire, marking tape, excavation, demolition and removal of existing gravity sewer, dewatering, backfilling with suitable material (including bringing in suitable material from off-site if necessary), backfill compaction, surface restoration, testing of the gravity main, existing utility locator services, temporary storage, pavement restoration, reconnection of existing sewer laterals, and all other work incidental to the complete installation of the 8" Gravity Sewer in accordance with the Drawings and Specifications.

6. 12" Gravity Sewer DIP (CL 350)

- a. Measurement and payment for the 12" Ductile Iron (CL 350) Pipe, except as otherwise specified, will be based on the laying length of the pipe in linear feet (LF) actually placed as measured along the centerline of the completed pipe, including the length of fittings and specials measured along their centerlines.
- b. Payment for gravity sewer will be made at the contract unit price bid per linear foot per size installed and shall include, but is not limited to: all labor, materials, and equipment, including fittings, appurtenances, special coatings and linings, specials and locator wire, marking tape, excavation, demolition and removal of existing gravity sewer, dewatering, backfilling with suitable material (including bringing in suitable material from off-site if necessary), backfill compaction, surface restoration, testing of the gravity main, existing utility locator services, temporary storage, pavement restoration, reconnection of existing sewer laterals, and all other work incidental to the complete installation of the 12" Gravity Sewer in accordance with the Drawings and Specifications.

7. 16" Gravity Sewer DIP (CL 250)

- a. Measurement and payment for the 16" Ductile Iron (CL 250) Pipe, except as otherwise specified, will be based on the laying length of the pipe in linear feet (LF) actually placed as measured along the centerline of the completed pipe, including the length of fittings and specials measured along their centerlines.
- b. Payment for gravity sewer will be made at the contract unit price bid per linear foot per size installed and shall include, but is not limited to: all labor, materials, and equipment, including fittings, appurtenances, special coatings and linings, specials and locator wire, marking tape, excavation, demolition and removal of existing gravity sewer, dewatering, backfilling with suitable material (including bringing in suitable material from off-site if necessary), backfill compaction, surface restoration, testing of the gravity main, existing utility locator services, temporary storage, reconnection of existing sewer laterals, and all other work incidental to the complete installation of the 16" Gravity Sewer in accordance with the Drawings and Specifications.

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- 8. Guaranteed Jack and Bore of 26-inch casing crossing existing pump station (MH-3 to MH-4)**
 - a. Measurement: Guaranteed jack and bore sewer pipe of the type and diameter specified will be measured by lump sum for the complete installation by the boring and jacking method.
 - a. Payment: Bored and jacked sewer pipe will be paid for as lump sum and shall include the casing pipe, spacers and any and all excavation, including the boring pit, any backfill, dewatering, etc., guaranteed complete in place. However, the bore shall be paid one time and no extra compensation will be paid for failures and subsequent withdrawal and re-jacking attempts.
- 9. Guaranteed Jack and Bore of 26-inch casing crossing existing stream (MH-4 to MH-5)**
 - a. Measurement: Guaranteed jack and bore sewer pipe of the type and diameter specified will be measured by lump sum for the complete installation by the boring and jacking method.
 - b. Payment: Bored and jacked sewer pipe will be paid for as lump sum and shall include the casing pipe, spacers and any and all excavation, including the boring pit, any backfill, dewatering, etc., guaranteed complete in place. However, the bore shall be paid one time and no extra compensation will be paid for failures and subsequent withdrawal and re-jacking attempts.
- 10. Guaranteed Jack and Bore of 16-inch casing crossing Blowing Rock Cove (MH-5A to MH-32)**
 - a. Measurement: Guaranteed jack and bore sewer pipe of the type and diameter specified will be measured by lump sum for the complete installation by the boring and jacking method.
 - b. Payment: Bored and jacked sewer pipe will be paid for as lump sum and shall include the casing pipe, spacers and any and all excavation, including the boring pit, any backfill, dewatering, etc., guaranteed complete in place. However, the bore shall be paid one time and no extra compensation will be paid for failures and subsequent withdrawal and re-jacking attempts.
- 11. Guaranteed Jack and Bore of 16-inch casing crossing Hawks Creek Parkway (MH-34 to MH-35)**
 - a. Measurement: Guaranteed jack and bore sewer pipe of the type and diameter specified will be measured by lump sum for the complete installation by the boring and jacking method.
 - b. Payment: Bored and jacked sewer pipe will be paid for as lump sum and shall include the casing pipe, spacers and any and all excavation, including the boring pit, any backfill, dewatering, etc., guaranteed complete in place. However, the bore shall be paid one time and no extra compensation will be paid for failures and subsequent withdrawal and re-jacking attempts.
- 12. 4-foot Diameter Manhole:**

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- a. Measurement: This item shall include all material, equipment and labor necessary for the installation of a precast 4-foot Diameter Manhole of the type and depth required by each specific bid item, complete and ready for use in accordance with the Contract Drawings and Documents, and as outline below.
- b. Payment: Standard manholes will be made at the Contract Unit Price Bid (EA) per installed complete unit and shall include, but is not limited to: all labor, materials, and equipment necessary for demolition and removal of existing sanitary sewer manholes, furnishing and installing manhole, and appurtenances, including, washed stone/bedding, and concrete footings including excavation, backfilling with suitable material (bringing in suitable material from off-site if necessary), compaction of backfill, invert pouring and forming of concrete bench in accordance with the standards and drawings, interior and exterior coatings, flexible boots, surface restoration, temporary storage, adjusting rings, frames, covers, and concrete riser rings and all other work and materials incidental to the complete installation of the manhole in accordance with the Drawings and Specifications.

13. Modification of Ex. Precast Structures:

- a. Measurement: This item shall include all material, equipment and labor necessary for the modification of a precast wetwell and/or precast manhole to a gravity sewer manhole with a new sump/invert elevation, complete and ready for use in accordance with the Contract Drawings and Documents, and as outlined below.
- b. Payment: Modification of Ex. Precast Structures will be made at the Contract Unit Price Bid (EA) per installed complete unit and shall include, but is not limited to: all labor, materials, and equipment necessary for demolition, filling with concrete, testing, invert pouring and forming of concrete bench in accordance with the standards and drawings, interior and exterior coatings, flexible boots, surface restoration, temporary storage, adjusting rings, frames, covers, and concrete riser rings and all other work and materials incidental to the complete installation of the modified wetwell and/or manhole in accordance with the Drawings and Specifications.

14. Core Drill Existing Wet Well

- a. Measurement: Core drill existing wetwell for 12-inch sewer pipe connection. Measurement for this work will be on a per each (EA) unit basis cored.
- b. Payment: Payment for the core drill existing wetwell for 12-inch sewer pipe connection shall be full compensation for all work necessary for the proper connection to the existing sanitary sewer manhole to include verifying the elevation, excavation, dewatering, shoring, core drilling, installation of flexible boot, grout, re-shaping of the manhole invert to accommodate the new pipe, backfilling/compaction, labor, materials and equipment necessary for an acceptable core for 12-inch connection. This work shall be

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constructed as per Section II.B of the York County Government Sewer Specifications & Standard Details.

15. Demolition of Ex. Stockbridge Commons Pump Station:

- a. Measurement: Lump sum price to provide all labor, materials, equipment, tools and management to demolish complete the existing pump station per the details shown on the plans and in accordance with these specifications shall include, but is not limited to: termination of existing electrical supply and disconnection from electric supply system at source tie-in point; removal of interior pumps, piping, electrical and accessories; removal of underground piping; removal of the above grade control panels, control boxes, control enclosures and associated support systems; removal of existing fencing; backfilling compacted area to surrounding grade with soil; removal of waste materials; clean-up and any other incidental items required for proper demolition of existing pump station.
- b. Payment for Demolition of Existing Pump Station shall be made Lump Sum (LS) upon completion and acceptance of demolition.

16. Demolition of Ex. Hawks Creek Pump Station:

- a. Measurement: Lump sum price to provide all labor, materials, equipment, tools and management to demolish complete the existing pump station per the details shown on the plans and in accordance with these specifications shall include, but is not limited to: termination of existing electrical supply and disconnection from electric supply system at source tie-in point; removal of interior pumps, piping, electrical and accessories; removal of underground piping; removal of the above grade control panels, control boxes, control enclosures and associated support systems; removal of existing fencing; backfilling compacted area to surrounding grade with soil; removal of waste materials; clean-up and any other incidental items required for proper demolition of existing pump station.
- b. Payment for Demolition of Existing Pump Station shall be made Lump Sum (LS) upon completion and acceptance of demolition.

17. Demolition of Ex. Brook Springs Pump Station:

- a. Measurement: Lump sum price to provide all labor, materials, equipment, tools and management to demolish complete the existing pump station per the details shown on the plans and in accordance with these specifications shall include, but is not limited to: termination of existing electrical supply and disconnection from electric supply system at source tie-in point; removal of interior pumps, piping, electrical and accessories; removal of underground piping; removal of the above grade control panels, control boxes, control enclosures and associated support systems; removal of existing fencing; backfilling compacted area to surrounding grade with soil; removal of waste materials; clean-up and any other incidental items required for proper demolition of existing pump station.

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- b. Payment for Demolition of Existing Pump Station shall be made Lump Sum (LS) upon completion and acceptance of demolition.

18. Demolition of Ex. Palmetto West Pump Station:

- a. Measurement: Lump sum price to provide all labor, materials, equipment, tools and management to demolish complete the existing pump station per the details shown on the plans and in accordance with these specifications shall include, but is not limited to: termination of existing electrical supply and disconnection from electric supply system at source tie-in point; removal of interior pumps, piping, electrical and accessories; removal of underground piping; removal of the above grade control panels, control boxes, control enclosures and associated support systems; removal of existing fencing; backfilling compacted area to surrounding grade with soil; removal of waste materials; clean-up and any other incidental items required for proper demolition of existing pump station.
- b. Payment for Demolition of Existing Pump Station shall be made Lump Sum (LS) upon completion and acceptance of demolition.

19. Asphalt Open-Cut and Repair (York County Standard 15.19):

- a. Measurement: by the square yard (SY) as follows for the various types and compacted depth of material installed.
 - 1. Up to a maximum width of 4 feet centered over the lateral.
 - 2. Up to a maximum width of 6 feet centered over the sewermain.
 - 3. Up to a maximum width of 10 feet by 10 feet centered over a manhole.
- b. Work shall include, but not be limited to (unless specifically noted otherwise on the Bid Form and this specification Section), the following: Saw cutting to required offsets, excavation, removal and disposal of excess material, cleaning the roadway surface, producing, transporting, placing and compacting, grading, furnishing material, furnishing and applying tack coat, maintaining each course, and any additional work necessary to remove and repair pavement in the area of manholes, valves, curb and gutter and other obstructions, treatments, pavement markings, adjustments to manholes, valves, inlet structures and all obstructions and making any repairs or corrections to the material that may become necessary. Compliance with SCDOT and York County Standards. All labor, materials and equipment necessary for a complete installation.
- c. Payment
 - 1. Payment shall be made at the contract unit price bid per square yard installed and field verified.
 - 2. Payment shall not be made for repair required due to excessive open cut caused by Contractor. Loss of material due to inadequate backfill compaction shall be replaced at no additional cost to the Owner.

20. Blowing Rock Cove Pavement Restoration (Sheet C-401):

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- a. Measurement: Lump sum price to provide all labor, materials, equipment, tools and management to restore Blowing Rock Cove per the details shown on the plans and in accordance with these specifications.
- b. Payment for Blowing Rock Cove Pavement Restoration shall be made Lump Sum (LS) upon completion and acceptance.

21. Concrete Curb and Gutter Replacement:

- a. Measurement: by the linear feet (LF):
- b. Work shall include, but not be limited to (unless specifically noted otherwise on the Bid Form and this specification Section), the following:
 - 1. Excavation, removal and disposal of excess material, backfilling, saw cutting, concrete curb cuts for driveway or handicap ramp access, construction joints, aggregate base, joint sealers and sealants.
 - 2. Compliance with York County and SCDOT Standards for concrete curb.
 - 3. All labor, materials and equipment necessary for a complete installation.
- c. Payment:
 - 1. Payment shall be made at the contract unit price per linear foot installed and field verified.
 - 2. Payment shall not be made for repair required due to excessive open cut caused by Contractor. Loss of material due to inadequate backfill compaction shall be replaced at no additional cost to the Owner.

22. Flowable Fill for Abandoned Pipes:

- a. Measurement: Flowable fill shall be paid for as noted and as specified in the Contract Documents to include, but not limited to, all fees and costs to provide all equipment, materials, and manpower to fill existing pipes with flowable fill in accordance with Contract Documents.
- b. Payment: Flowable fill will be paid for a contract unit price bid per cubic yard (CY).

23. Unsuitable Soil Replacement:

- a. Measurement: Unsuitable Soil Replacement shall be paid for as noted and as specified in the Contract Documents to include, but not limited to, all fees and costs to provide all equipment, materials, and manpower to excavate, dispose of legally, backfill with acceptable material below the limits of excavation, compact, and test the soil in the project limits.
- b. Payment: Unsuitable Soil Replacement will be paid for a contract unit price bid per cubic yard (CY) if required during construction.

24. Unsuitable Soil Undercut:

- a. Measurement: Unsuitable Soil Undercut shall be paid for as noted and as specified in the Contract Documents to include, but not limited to, all fees and costs to provide all equipment, materials, and manpower to excavate,

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dispose of legally, backfill with acceptable material below the limits of excavation, compact, and test the soil in the project limits.

- b. Payment: Unsuitable Soil Undercut will be paid for a contract unit price bid per cubic yard (CY) if required during construction.

25. Trench Rock Removal:

- a. Measurement: Trench rock excavation will be measured by the City Engineer or their representative in its original position, after which the rock shall be excavated to the depth specified by the County or Engineer and then measured by the cubic yard. Refer to York County Government Sewer Specifications for allowable width of rock removal in trench. Rock excavation shall consist of the removal and satisfactory disposal of all materials, which in the opinion of the Engineer, cannot be excavated except by drilling, blasting, "jack hammering or hoe ramming." No payment shall be made for rock removal by ripping. It shall consist of undecomposed stone, hard enough to ring under hammer. All boulders containing a volume of more than one-half cubic yard will be classified as rock.
- b. Payment: Trench rock excavation will be paid for at the contract unit price per cubic yard for rock excavation and shall include all labor, materials, and equipment to excavate and dispose of rock off site.

26. Outside Drop:

- a. Measurement: Outside drops (0-20 Vertical Feet) shall be paid for as noted and as specified in the Contract Documents to include, but not limited to, all fees and costs to provide all equipment, materials, and manpower necessary to install outside drops, complete and ready for use, in accordance with Contract Drawings.
- b. Payment: Outside drops will be paid for a contract unit price per each (EA) installed complete unit and shall include all material, equipment, and labor necessary for furnishing and installing outside drops, including but not limited to fittings, appurtenances, backfilling, compaction, surface restoration, temporary storage, and all other incidental work.

27. Mobilization (Not to exceed 5% of the Total Amount of the Base Bid)

- a. Measurement: The work included in Mobilization, shall consist of all materials and operations necessary for assembling and setting up for the project, including, but not limited to, the following:
 - a. Initial movement of equipment and personnel to the site.
 - b. Construction of staging and parking areas.
 - c. Field Office facility.
 - d. Providing sanitary, posting, and other facilities required by the specifications and/or State, Federal, local or safety regulations.

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- e. Moving on and off site all tools and other items required to complete the work.
- f. All other work, initial expenses, payment of bonds, insurance premiums, and operations, which must be performed before beginning the work.
- g. All temporary utilities required for the construction activities.
- h. All costs related to safety and security.

The lump sum (LS) bid price for Mobilization is limited to a maximum of 5 percent (5%) of the total amount of the base bid (pay items 1-26).

- b. Payment: Payment for the lump sum price bid, in the Form of Bid, for Item 1 will be 50% payable on the first monthly estimate subsequent to the Contractor's moving in of all necessary facilities as listed above. The next increment of 25% may be paid on the next subsequent Request for Partial Payment, but not sooner than 30 days. The remaining 25% will be payable upon completion of demobilization. Payment will be full compensation for all labor, materials, equipment, tools, fees, and the lump sum price for "Mobilization" will not be made more than once regardless of the fact that the Contractor may have, for any reasons, to shut down his work on the project or move equipment away from the project and then back again.

28. Construction Allowance (Not to exceed 10% of the Total Amount of the Base Bid)

- a. Measurement shall not be made for this item.
- b. Allowance will be for additional services and will only be used if necessary for additional services performed by the Bidder during the Project, only after written instructions to do so are received from Owner.
- c. The lump sum (LS) bid price for Construction Allowance is limited to a maximum of 10 percent (10%) of the total amount of the base bid (pay items 1-26).

END OF SECTION

SECTION 01 85 00
TEMPORARY BYPASS PUMPING SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- A. The Contractor shall furnish all labor, materials, transportation, and equipment necessary to maintain sanitary sewer conveyance at all times throughout construction. The Contractor shall provide a bypass pumping system approved by the Engineer and Owner within existing sewer easement areas near the pump stations as necessary to construct the sanitary sewer as shown on the Drawings. Sanitary sewer service shall also be maintained at all times for all County sewer customers affected by the connection of the new sewer piping to the existing Pump Station influent sewer piping.
- B. The Contractor shall provide at least 72 hours (or three working days) notice to the Owner and the Engineer prior to beginning construction work that could impact sewer service to a customer. Such notice shall include the time, day and date of construction, emergency contact and length of time to complete the work and shall include a statement that “the Contractor has on-site all materials and equipment needed to complete the proposed work”. The existing pump stations shall not be taken out of service without the written prior approval of the Owner. The Contractor shall be fully responsible for control of all sanitary sewers directly or indirectly affected by the proposed construction, for any reason during the contract time including but not limited to, the construction, accidental surge, or rain.
- C. No overflow, overland flow or discharge from a sanitary sewer will be permitted. The Contractor shall be fully responsible for any sewage, fuel, etc. spill or overflow and shall have full responsibility for reporting the spill or overflow to the Owner and the Owner will report to the South Carolina Department of Health and Environmental Control (SCDHEC). The Contractor shall clean up and mitigate any spill to the satisfaction of the Owner and SCDHEC.

1.2 SUBMITTALS

- A. The Contractor shall submit a written description and drawings showing the methods and equipment to be used for sewage bypass pumping systems for approval prior to the start of work. The description and drawings must be approved by the Engineer and prior to obtaining components and implementation.

1.3 SEQUENCING AND SCHEDULING

- A. The Contractor shall assume total responsibility for sequencing and scheduling. Sequence and schedule work to maintain sewer service.

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TEMPORARY BYPASS PUMPING SYSTEM

PART 2 – PRODUCTS

2.1 Not Used.

PART 3 – EXECUTION

3.1 SANITARY SEWER BYPASSING WITH PUMP AND TEMPORARY PIPING

- A. The Contractor shall provide a bypass pumping system including sewage pumps, hose, piping, fittings, and accessories to continuously convey sewage flows as necessary to complete the proposed work shown on the plans. The pumping equipment shall be suitable for pumping raw unscreened sewage over an indefinite construction period without clogging or requiring shutdown for maintenance. The pumping equipment shall be sized to pump not less than 480 gpm unless otherwise approved by the Owner.
- a. Provide continuous bypass pumping during the entire length of time that the existing sewer piping is modified until the connection to the new sewer is accomplished.
 - b. The Contractor shall provide at least one (1) additional backup pump on site.
 - c. Pumps shall be sound attenuated units, housed in special enclosures engineered to keep operating noise to a minimum including critical grade silenced mufflers and silenced priming exhausts to further reduce noise levels.
 - d. The Contractor shall assume total responsibility for the hydraulic design of the bypass pumping arrangements.
 - e. The Contractor shall have qualified staff on-site employed at all times that the bypass pumping system is in operation 24 hours a day, seven days a week so that in the event of a problem appropriate corrective action can be immediately implemented to prevent a sewage overflow. The Contractor shall not leave the bypass pumping system unattended at any length of time for any reason while it is in operation.
 - f. The Contractor is responsible for any emergency repairs needed to keep the system in operation to prevent a sewage overflow and the Contractor shall prepare a written response plan indicating qualified staff can arrive at the site and make necessary repairs to prevent sewage overflow.
 - g. The pumps and piping shall be tested with clean water and demonstrated to be watertight prior to bypassing sewage. The Contractor shall furnish and install rubber pipe plugs by Cherne or equal at manholes as necessary to isolate sewer segments and bypass flows.

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TEMPORARY BYPASS PUMPING SYSTEM

- B. The Contractor shall not pump or otherwise direct the flow of sanitary sewage into storm sewers, streams or other open channels or onto streets or alleys at any time during the course of work. The Contractor shall furnish all labor, materials, and equipment required for storage/bypass of sewage flow around the working area to an acceptable point of discharge.
- C. The Contractor shall provide on-site an emergency bypass piping repair kit prior to bypassing flows. The 24-hour on-site staff shall be trained to immediately shut off the pumps and repair or replace the piping in the event of a piping failure to return the pumping equipment back into service prior to sewer manhole overflow.
- D. It is anticipated that the Contractor will be required to perform work continuously during the time when the existing sewer is out of service and temporary pumping is required, and the Contractor's lump sum bid shall include all overtime pay, lighting equipment, and other costs associated with nighttime work.

END OF SECTION