



CITY OF SUFFOLK

Purchasing Division

P.O. Box 1858, Suffolk, VA 23439-1858; T (757) 514-7520; Fax (757) 514-7524

ADDENDUM NO. 1

City of Suffolk
IFB #18011-JS
August 22, 2017

Purchasing Division
442 Market Street, Room 1086
Suffolk, VA 23434-5237
Phone: (757) 514-7520 / Fax: (757) 514-7524
<http://www.suffolkva.us/purchasing>

The Invitation for Bid (IFB) for IFB 18011-JS for Find and Fix Collection System and Pump Station Repair for the Department of Public Utilities has been amended.

All bid submittals shall conform to this Addendum. Bidders are responsible for familiarizing themselves with the modifications and the effect they may have on the scope of work.

REVISION TO BID FORM

The bid items shown on the original BID FORM under ASPHALT PAVEMENT AND CONCRETE WORK did not entirely reflect the type of work that is currently anticipated by the City. Bid Item No. 73, *Concrete Driveway and Entrances*, has been added to the REVISED BID FORM. The Bidder, therefore, will be required to submit the attached REVISED BID FORM in lieu of the original BID FORM.

The following questions and answers are incorporated in the bid:

Q1: Will the City consider awarding to multiple contractors?

A1: The City anticipates awarding to only one vendor.

Q2: Will the City consider adding a bid item for construction entrances?

A2: A separate Bid Item for construction entrances will not be considered. Construction entrances are considered incidental to the Work as provided by the Special Provisions.

Q3: Several items call for a depth of 20' or greater in excavation. Trench support systems used in trenches that are in excess of 20' depths must be reviewed and stamped by a licensed project engineer. Will the owner consider establishing a bid item for cost?

- A3: A separate Bid Item for Professional Engineering services related to the excavation support systems will not be considered. Should the Work dictate the use of these services, they will be negotiated under Schedule B.
- Q4: Will the City consider adding a square yard unit price item for pipe installations and point repairs made outside the pavement areas?
- A4: A separate Bid Item for surface restoration will not be considered. Surface restoration is considered incidental to the Work as required by Special Provisions.
- Q5: Will the City consider allowing an additional time-frame for additional questions and/or responses?
- A5: The City does not plan to extend the date the bids are due.
- Q6: For Item no. 66 – Concrete Installed Complete in Place, can the City better identify this item, as the cubic yard price could vary greatly depending on the intent?
- A6: The intent of this bid item is for concrete pavement patching over utility trenches for work associated with gravity sewer repairs/replacements that occur in the roadway.
- Q7: For Items 76-77, will these items be as directed by the City, or as means and methods determined by the contractor?
- A7: The Contractor shall notify the Engineer if the use of dewatering is considered to be required, prior to beginning the Work. The Engineer will advise accordingly.
- Q8: For Items 83-86, will the City provide a sample of work orders issued on recent Find & Fix projects?
- A8: The City does not have any recent examples of work orders associated with wet well repair rehabilitations.

END OF QUESTIONS

ATTACHMENT (Revised Bid Form)

Contract Officer: 
Jay Smigielski, Purchasing Agent.

All other specifications, provisions, terms and conditions are unchanged.

Bidder shall acknowledge receipt of addendum on Bid Form. Failure to do so may result in disqualification of bid.

If you have any questions regarding this Addendum, please contact Jay Smigielski, Purchasing Agent at jsmigielski@suffolkva.us

REVISED BID FORM

TO: Purchasing Division
442 W. Washington Street
Room 1086
Suffolk, VA 23434-5237

BID: FIND AND FIX COLLECTION SYSTEM
AND PUMP STATION ANNUAL
CONSTRUCTION SERVICES

IFB #18011-JS

DUE: August 29, 2017
TIME: 3:00 PM, Local

The undersigned Bidder, _____, offers and agrees, if this Bid is accepted, to complete all Work as specified or indicated in the Bid Documents for the Total Sum of _____ (\$ _____), which shall be referred to the Total Base Bid. The Total Base Bid is in accordance with the Schedule of Prices attached and is based on the estimate of quantities shown. Any additions or deletions to the estimated quantities shown will revise the Total Base Bid accordingly.

Award will be made to the lowest responsive and responsible bidder based on the "Total Base Bid (Total of Schedule A prices plus Total of Schedule B prices).

Bidder has examined the locality where the Work is to be performed, the legal requirements (Federal, State and Local laws, ordinance, rules and regulations) and has made such independent investigations as Bidder deems necessary to fully inform himself as to the conditions affecting cost and progress of performance of the Work.

Find and Fix Collection System and Pump Station Annual Construction Services						
Unit Price Bid						
Schedule of Prices – Schedule A						
Bid Item Number	Item	Specification Section	Unit	Quantity	Unit Cost	Total Cost
1	<i>Bond and Insurance (Annual)</i>	<i>Conditions & Instructions</i>	<i>LS</i>	<i>1</i>	\$	\$
<i>Sanitary Sewer Pipe Replacement</i>						
2	<i>6" PVC (SDR 26) sewer replacement (depth 0'- 6')</i>	802	<i>LF</i>	250	\$	\$
3	<i>6" PVC (SDR 26) sewer replacement (depth >6'- 12')</i>	802	<i>LF</i>	250	\$	\$
4	<i>6" DI (minimum CL 50) sewer replacement (depth >12'- <20')</i>	802	<i>LF</i>	100	\$	\$
5	<i>6" DI (minimum CL 50) sewer replacement (depth 20' and greater)</i>	802	<i>LF</i>	50	\$	\$
6	<i>8" PVC (SDR 26) sewer replacement (depth 0'- 6')</i>	802	<i>LF</i>	250	\$	\$

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule A

Bid Item Number	Item	Specification Section	Unit	Quantity	Unit Cost	Total Cost
7	8" PVC (SDR 26) sewer replacement (depth >6'- 12')	802	LF	250	\$	\$
8	8" DI (minimum CL 50) sewer replacement (depth >12'- <20')	802	LF	100	\$	\$
9	8" DI (minimum CL 50) sewer replacement (depth 20' and greater)	802	LF	50	\$	\$
10	10" PVC (SDR 26) sewer replacement (depth 0'-6')	802	LF	250	\$	\$
11	10" PVC (SDR 26) sewer replacement (depth >6'-12')	802	LF	250	\$	\$
12	10" DI (minimum CL 50) sewer replacement (depth >12'- <20')	802	LF	100	\$	\$
13	10" DI (minimum CL 50) sewer replacement (depth 20' and greater)	802	LF	50	\$	\$
14	12" PVC (SDR 26) sewer replacement (depth 0'-6')	802	LF	250	\$	\$
15	12" PVC (SDR 26) sewer replacement (depth >6'- 12')	802	LF	250	\$	\$
16	12" DI (minimum CL 50) sewer replacement (depth >12'- <20')	802	LF	100	\$	\$
17	12" DI (minimum CL 50) sewer replacement (depth 20' and greater)	802	LF	50	\$	\$
Sanitary Sewer Pipe Rehabilitation						
18	6" Cured in Place lining	813	LF	250	\$	\$
19	8" Cured in Place lining	813	LF	250	\$	\$
20	10" Cured in Place lining	813	LF	150	\$	\$
21	12" Cured in Place lining	813	LF	50	\$	\$
Sewer Laterals (from mainline sewer to cleanout)						
22	4" sewer laterals – replacement / reconnection (PVC SDR 26)	821/Special Provisions	LF	50	\$	\$
23	4" sewer laterals – replacement / reconnection (DI minimum CL 50)	821/Special Provisions	LF	15	\$	\$

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule A

Bid Item Number	Item	Specification Section	Unit	Quantity	Unit Cost	Total Cost
24	4" sewer laterals – new (PVC SDR 26)	802/Special Provisions	LF	100	\$	\$
25	Cleanout assembly	802	EA	100	\$	\$
26	Cleanout assembly raise to grade	Special Provisions	EA	50	\$	\$
27	Riser pipe replacement	Special Provisions	EA	50	\$	\$
Gravity Sewer Point Repairs						
28	6" gravity sewer point repair (depth 0'-6')	818/Special Provisions	LF	200	\$	\$
29	6" gravity sewer point repair (depth >6'-12')	818/Special Provisions	LF	200	\$	\$
30	6" gravity sewer point repair (depth >12'-<20')	818/Special Provisions	LF	100	\$	\$
31	6" gravity sewer point repair (depth 20' and greater)	818/Special Provisions	LF	50	\$	\$
32	8" gravity sewer point repair (depth 0'-6')	818/Special Provisions	LF	500	\$	\$
33	8" gravity sewer point repair (depth >6'-12')	818/Special Provisions	LF	500	\$	\$
34	8" gravity sewer point repair (depth >12'-<20')	818/Special Provisions	LF	250	\$	\$
35	8" gravity sewer point repair (depth 20' and greater)	818/Special Provisions	LF	100	\$	\$
36	10" gravity sewer point repair (depth 0'-6')	818/Special Provisions	LF	200	\$	\$
37	10" gravity sewer point repair (depth >6'-12')	818/Special Provisions	LF	200	\$	\$
38	10" gravity sewer point repair (depth >12'-<20')	818/Special Provisions	LF	100	\$	\$
39	10" gravity sewer point repair (depth 20' and greater)	818/Special Provisions	LF	50	\$	\$
40	12" gravity sewer point repair (depth 0'-6')	818/Special Provisions	LF	200	\$	\$
41	12" gravity sewer point repair (depth >6'-12')	818/Special Provisions	LF	200	\$	\$

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule A

Bid Item Number	Item	Specification Section	Unit	Quantity	Unit Cost	Total Cost
42	12" gravity sewer point repair (depth >12'-<20')	818/Special Provisions	LF	100	\$	\$
43	12" gravity sewer point repair (depth 20' and greater)	818/Special Provisions	LF	50	\$	\$
Manhole Replacement						
44	48" standard sewer manhole (0'-6' depth)	802/Special Provisions	EA	10	\$	\$
45	48" standard sewer manhole extra depth	802/Special Provisions	VF	50	\$	\$
46	60" standard sewer manhole (0'-6' depth)	802/Special Provisions	EA	5	\$	\$
47	60" standard sewer manhole extra depth	802/Special Provisions	VF	25	\$	\$
48	60" valve vault manhole (0'-6' depth)	Special Provisions	EA	5	\$	\$
49	60" valve vault manhole extra depth	Special Provisions	VF	25	\$	\$
50	Drop manhole (outside drop with 48" manhole)	802/Special Provisions	EA	5	\$	\$
51	Drop manhole (outside drop with 48" manhole) extra depth	802/Special Provisions	VF	25	\$	\$
52	Drop manhole (inside drop with 60" manhole)	802/Special Provisions	EA	5	\$	\$
53	Drop manhole (inside drop with 60" manhole) extra depth	802/Special Provisions	VF	25	\$	\$
54	Standard manhole frame and cover	802/Special Provisions	EA	15	\$	\$
55	Manhole inserts	Special Provisions	EA	15	\$	\$
56	Raise existing manhole to grade	Special Provisions	EA	15	\$	\$
Pipe Abandonment						
57	6" gravity sewer main abandonment (fill with flowable fill)	530	LF	75	\$	\$
58	8" gravity sewer main abandonment (fill with flowable fill)	530	LF	75	\$	\$

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule A

Bid Item Number	Item	Specification Section	Unit	Quantity	Unit Cost	Total Cost
59	10" gravity sewer main abandonment (fill with flowable fill)	530	LF	75	\$	\$
60	12" gravity sewer main abandonment (fill with flowable fill)	530	LF	75	\$	\$
Gate Valves						
61	4" gate valve and valve box	Special Provisions	EA	5	\$	\$
62	6" gate valve and valve box	Special Provisions	EA	5	\$	\$
63	8" gate valve and valve box	Special Provisions	EA	5	\$	\$
64	10" gate valve and valve box	Special Provisions	EA	5	\$	\$
65	12" gate valve and valve box	Special Provisions	EA	5	\$	\$
Asphalt Pavement and Concrete						
66	Concrete, installed complete in place	317/Special Provisions	CY	50	\$	\$
67	Asphalt pavement, installed complete in place	317/Special Provisions	CY	75	\$	\$
68	1 1/2 inch SM 9.5A asphalt pavement overlay	315/Special Provisions	Ton	100	\$	\$
69	Asphalt pavement milling	515/Special Provisions	SY	100	\$	\$
70	21A aggregate base for pavement repairs	309/Special Provisions	CY	100	\$	\$
71	Concrete curb and gutter, CG-6, installed complete in place, including aggregate base	502/Special Provisions	LF	100	\$	\$
72	Concrete sidewalk 6-inch depth, installed complete in place, including aggregate base	502/Special Provisions	SY	50	\$	\$
73	Concrete Driveway and Entrances	502/Special Provisions	CY	10	\$	\$
Excavation						
74	Select Material (Backfill) as authorized by the Owner	303	CY	3,000	\$ 35.00	\$ 105,000.00

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule A

Bid Item Number	Item	Specification Section	Unit	Quantity	Unit Cost	Total Cost
75	<i>Undercut Excavation as authorized by the Owner</i>	303	CY	250	\$	\$
76	<i>Bedding Stone for Undercut Excavation as authorized by the Owner</i>	303	CY	100	\$	\$
77	<i>Dewatering – manhole, lateral, or point repair</i>	<i>Special Provisions</i>	EA	5	\$	\$
78	<i>Dewatering Trench – linear dewatering per 50 LF</i>	<i>Special Provisions</i>	EA	5	\$	\$
Gravity Sewer CCTV Inspection and Cleaning						
79	<i>Light cleaning and CCTV inspection for gravity sewer (6"-10" diameter) minimum 1500 LF per Work Order</i>	810/811	LF	25,000	\$	\$
80	<i>Light cleaning and CCTV inspection for gravity sewer (12"-15" diameter) minimum 1500 LF per Work Order</i>	810/811	LF	5,000	\$	\$
81	<i>Heavy cleaning (6"-15" diameter)</i>	810	LF	1,000	\$	\$
82	<i>Light cleaning and CCTV inspection for gravity sewer laterals (4"-6")</i>	<i>Special Provisions</i>	EA	25	\$	\$
83	<i>Additional mobilization to clean & perform CCTV inspections (on work orders less than 500 LF)</i>	<i>Special Provisions</i>	EA	10	\$	\$
Wet Well Repairs and Rehabilitation						
84	<i>Wet Well Concrete Crack Repair Small Crack (Minimum 20' per Work Order Issued)</i>	<i>Special Provisions</i>	LF	250	\$	\$
85	<i>Wet Well Concrete Crack Repair Large Crack (Minimum 20' per Work Order Issued)</i>	<i>Special Provisions</i>	LF	250	\$	\$
86	<i>Cementitious Wet Well Lining</i>	<i>Special Provisions</i>	SF	3,000	\$	\$
87	<i>Coal Tar Epoxy Wet Well Lining</i>	<i>Special Provisions</i>	SF	3,000	\$	\$
Permits						
88	<i>Required City Permit Applications</i>	<i>Special Provisions</i>	EA	50	\$ 125.00	\$ 6,250.00

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule A

Bid Item Number	Item	Specification Section	Unit	Quantity	Unit Cost	Total Cost
TOTAL SCHEDULE A PRICES (\$ _____)						

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule B

Bid Item Number	Item	Unit	Quantity	Unit Cost	Total Cost
1	Mark-up for time and materials work – self performed work; labor and materials (overhead and profit)	%	-	15	-
2	Mark-up for subcontracted work (overhead and profit)	%	-	10	-

Hourly Unit Rates (Including Markup from 1 Above)

3	Superintendent	HR	75		
4	Skilled Laborer	HR	75		
5	Unskilled Laborer	HR	75		
6	Pump Station Mechanic	HR	100		
7	Pump Station Pipe Fitter	HR	100		
8	Master Electrician	HR	150		
9	Electrician's Assistant	HR	150		
10	Rubber Tired Loader with Operator, 2-1/4 to 3-1/4 cy Bucket	HR	30		
11	Backhoe with Operator, 1-3/4 cy Loader, 1/2 cy Backhoe	HR	30		
12	Excavator with Operator	HR	30		

Find and Fix Collection System and Pump Station Annual Construction Services

Unit Price Bid

Schedule of Prices – Schedule B

Bid Item Number	Item	Unit	Quantity	Unit Cost	Total Cost
13	Dump Truck with Operator	HR	30		
14	20-Ton Utility Trailer	HR	30		
15	Sewer Vacuum/Cleaning Truck with Operator	HR	12		
16	4,000-Gallon Sewer Tanker Truck with Operator	HR	12		
17	Boom Truck with Operator (for pump removal and installation, etc.)	HR	15		

TOTAL SCHEDULE B PRICES
 (\$ _____)

TOTAL SCHEDULE A PLUS SCHEDULE B PRICES – TOTAL BASE BID
 (\$ _____)

REFERENCES

Indicate below a listing of at least three (3) recent references for which you have provided similar services. Include the date that services were furnished and the name, address, and phone number of the person we have your permission to contact.

	<u>Client/Address</u>	<u>Date</u>	<u>Contact Person</u>	<u>Phone No.</u>
1)	_____	_____	_____	_____

2)	_____	_____	_____	_____

3)	_____	_____	_____	_____

Bidder has included the following with his BID FORM (please check):

"Anti-collusion/Nondiscrimination/Drug Free Workplace" clause
Proof of Authority to Transact Business in Virginia form

Company Name: _____
Address: _____
City / State / Zip: _____
Person Quoting: _____ Title: _____
Telephone: _____ FAX No.: _____
E-mail: _____ Mobile No.: _____
Social Security Number or FIN Number: _____

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same equipment/materials/ service and is in all respects fair and without collusion or fraud. I understand that collusive bidding is a violation of State and Federal law and can result in fines, prison sentences and civil damage awards. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid for the bidder.

Bidder agrees to begin the Work within ten (10) days of Notice to Proceed; and that Substantial Completion shall be on or before 600 consecutive calendar days after Notice to Proceed date; and that Final Completion shall be on or before 60 consecutive calendar days after Substantial Completion.

Bidder has examined copies of all the Bid Documents including the following Addenda:

<u>Date</u>	<u>Number</u>
_____	_____
_____	_____
_____	_____
_____	_____

I certify by my signature below that I have received the documents associated with this bid and understand that the review for completeness of these bid documents and the understanding and comprehension of the bid specifications is solely my responsibility; based on this, by my signature below I waive all rights to further claims against the City of Suffolk that the document were incomplete or not understandable.

I certify that the bidder represented herein is eligible to bid with respect to all applicable sections of State and Local Government Conflict of Interest Act, Code of Virginia, Section 2.1-639.1 et. seq.

Signature: _____
Date: _____

(Person signing bid should show title or authority to bind the firm in a contract.)

REVISED SPECIAL PROVISIONS

I. CONSTRUCTION DRAWINGS:

- 1.1 Drawings will be provided as required on a Work Order basis.

II. HAMPTON ROADS PLANNING DISTRICT COMMISSION REGIONAL CONSTRUCTION STANDARDS:

- 2.1 Prior to Construction, the Contractor is required to obtain a copy of the Hampton Roads Planning District Commission *Regional Construction Standards* (latest edition), from the Hampton Roads Planning District Commission located in Chesapeake, Virginia.

III. SUPPLEMENTAL TECHNICAL SPECIFICATIONS

3.1 Incidental Items

- A. There are numerous incidental items of work that are required to complete a Work Order. While these items may not be specifically mentioned or illustrated by the Bid Documents and there may be no specific pay items listed for them, the Contractor will be required to perform those incidental tasks that can be anticipated through inspection of the Bid Documents, inspection of construction areas within the City, and experience in this class of construction.

- B. Items considered incidental work shall not be measured for payment or paid for as such unless specified as unit price by items on the bid form. These items and their costs shall be included in the unit prices or lump sum bid for the pay items unless bid separately. Incidental items include but are not limited to the following:

1. Allaying dust and mud.
2. Daily cleanup.
3. Erosion and sediment control.
4. Excavation and dewatering.
5. Furnishing, hauling, placing, manipulating, and compacting material.
6. Transporting and mobilizing equipment and materials (including but not limited to equipment trailers).
7. Location of existing utilities.
8. Material royalties.
9. Offsite disposal of excess excavated, surplus and remnant excavated materials.
10. Removal and replacement of existing signs, fences, mail boxes, and similar existing improvements.
11. Site restoration and cleanup.
12. Site security.
13. Stakeout and surveying.
14. Pre and/or post television inspection for sewer pipe replacement, sewer pipe rehabilitation, or point repairs.
15. Bypass pumping in accordance with Section 812 – Bypass Pumping.
16. Traffic control (for work on roadways with a speed limit of 35 mph or less). Traffic control on roadways with a speed limit greater than 35 mph

and for work on Main Street or Constance Road, shall be paid for under Schedule B.

17. Minor relocation of buried cables, gas lines, water lines, sewer lines, or similar utility lines 2 inches and smaller in diameter.
18. Construction entrances.
19. Pavement marking.
20. Final surface restoration.
21. Top soil and seeding.
22. Clearing and grubbing.
23. Protection of existing utilities and other facilities.

3.2 For gravity sewer construction, Type III Bedding shall be required for all new and replaced gravity sewer. Bedding material shall be VDOT No. 57 stone.

3.3 No sewer line section or lateral shall be plugged or removed from service between the hours of 0530 and 0830 and between 1630 and 1930 EST. Sewage flows shall not be interrupted for more than four hours.

3.4 Measurement and payment for select material, undercut excavation and bedding stone for undercut excavation shall be in accordance with HRPDC Regional Construction Standard Detail No. EW_02 and Detail No. EW_03.

3.5 Sewer Laterals – Bid Item No. 22 through Bid Item No. 24

A. Payment for these bid items will include the cost of furnishing and installing a fitting on the mainline sewer; either existing, replaced or rehabilitated. Payment for these bid items will include the cost of installing a new sewer lateral or replacement of an existing sewer lateral on the mainline sewer; either existing, replaced or rehabilitated. Payment for these bid items will also include the cost of furnishing and installing bedding stone. Costs for any required select fill or pavement patching will be paid for under their respective bid items.

B. Sewer laterals shall be installed in accordance with the City of Suffolk *Sanitary Lateral* standard detail, included in Appendix A.

3.6 Cleanout Assembly Raise To Grade – Bid Item No. 26

A. Unit cost for each cleanout assembly raised to grade will include the cost of the following:

1. All labor, equipment, and materials necessary to raise the cleanout to existing grade.
2. Excavation.
3. Backfill and compaction.
4. Restoration including pavement repair.
5. Disposal of excess material.

- 3.7 Riser Pipe Replacement – Bid Item No. 27
- A. Payment for this bid item will include the cost of furnishing and installing a new wye connection on the sewer lateral, a new riser pipe, a new fernco and cleanout assembly and all necessary fittings and/or sleeves.
 - B. Costs for any required select fill or pavement patching will be paid for under their respective bid items.
- 3.8 Gravity Sewer Point Repairs – Bid Item No. 28 through Bid Item No. 43
- A. In accordance with Section 818 of the HRPDC Regional Construction Standards, a post-installation video inspection will be performed on all point repairs and the cost of the post installation video will be included in the point repair bid items.
 - B. Payment for these bid items will include the cost of furnishing and installing bedding stone. Costs for any required select fill or pavement patching will be paid for under their respective bid items.
- 3.9 Standard 48” Manhole – Bid Item No. 44 and Bid Item No. 45
- A. Standard 48” manholes shall be installed in accordance with the City of Suffolk *Standard 48” Diameter Manhole* standard detail, included in Appendix A.
- 3.10 Standard 60” Manhole – Bid Item No. 46 and Bid Item No. 47
- A. Standard 60” manholes shall be installed in accordance with the City of Suffolk *Standard 60” Diameter Manhole* standard detail, included in Appendix A.
- 3.11 60” Valve Vault Manhole – Bid Item No. 48 and Bid Item No. 49
- A. Valve vault manhole measurement will be made for each valve vault manhole depth (0 to 6 feet) installed and satisfactorily tested as measured to the nearest foot from the bottom of the frame and cover to the invert out.
 - B. Payment will be made based on the unit cost per each manhole installed, complete in place. Payment will include the cost of the following:
 - 1. Excavation, bedding, backfill, compaction and chipping existing asphalt as required.
 - 2. Disposal of surplus and unsuitable material.
 - 3. Removing existing manhole, if required.
 - 4. Dewatering.
 - 5. Furnishing new manhole, and installing complete in place (including benches, inverts, and troughs).
 - 6. Openings and seals.
 - 7. Furnishing and installing 8” gate valve inside manhole, including but not limited to sleeves, fittings, coupling adapters, valve box, valve stem, and required valve appurtenances. The cost difference for the use of a gate valve larger than 8” will be paid for under Schedule B.
 - 8. Restoration in right-of-way, shoulders, and easements
 - 9. Seeding and stabilization.

10. Sheeting and shoring.
11. Testing.

C. Extra Depth:

1. Measurement of valve vault manholes in excess of 6 feet in depth will be made based on the vertical feet of manhole installed in excess of 6 feet, measured to the nearest foot from 6 feet below the bottom of the frame and cover to the depth of the downstream invert of the manhole.
2. Payment will be made at the unit price bid for each additional vertical foot of valve vault manhole (in excess of 6 feet in depth) installed will include the cost of the following:
 - a. All appurtenances required for satisfactory operation.
 - b. Dewatering.
 - c. Excavation, bedding, backfill, and compaction.
 - d. Furnishing and installing additional valve appurtenances as required based on depth of the manhole, including but not limited to non-rising extension stem.
 - e. Sheeting and shoring.
 - f. Openings and seals.
 - g. Disposal of surplus material.

- D. 60" valve vault manholes shall be installed in accordance with the City of Suffolk *60" Diameter Valve Vault Precast Concrete Manhole* standard detail, included in Appendix A.

3.12 Drop Manhole (outside drop with 48" manhole or inside drop with 60" manhole) – Bid Item No. 50 through Bid Item No. 53.

- A. An outside drop connection with 48" manhole or an inside drop connection with 60" manhole shall be installed in accordance with the City of Suffolk *Exterior Drop Connection* or *Interior Drop Connection* standard detail, included in Appendix A.
- B. Payment will be made based on the unit cost per each manhole installed, complete in place. Payment will include the cost of the following:
 1. Excavation, bedding, backfill, compaction and chipping existing asphalt as required.
 2. Disposal of surplus and unsuitable material.
 3. Removing existing manhole, if required.
 4. Dewatering.
 5. Furnishing new manhole, and installing complete in place (including benches, inverts, and troughs).
 6. Openings and seals.
 7. Furnishing and installing drop connection, complete in place. Includes but is not limited to piping, clamps, fittings, connections, and appurtenances.
 8. Restoration in right-of-way, shoulders, and easements
 9. Seeding and stabilization.
 10. Sheeting and shoring.
 11. Testing.

- 3.13 Standard Manhole Frame and Cover – Bid Item No. 54
- A. Standard manhole frame and covers shall be installed in accordance with the City of Suffolk *Standard Manhole Frame and Cover with Insert* standard detail, included in Appendix A.
- 3.14 Manhole Inserts – Bid Item No. 55
- A. Manhole inserts shall be installed in accordance with the City of Suffolk *Standard Manhole Frame and Cover with Insert* standard detail, included in Appendix A.
 - B. Manhole inserts shall be measured based on each installed and accepted. Payment will be made based on the unit cost per each manhole insert installed complete in place.
- 3.15 Raise Existing Manhole to Grade – Bid Item No. 56
- A. Manholes shall be raised to grade in accordance with the City of Suffolk *Manhole Rim Adjustment* standard detail, included in Appendix A.
 - B. Measurement will be made based on each manhole raised to grade.
 - C. Payment will be made based on the unit cost per each manhole raised, complete in place. Payment will include the cost of the following:
 - 1. Excavation and asphalt removal, as required.
 - 2. Disposal of surplus and unsuitable material.
 - 3. Removing existing manhole frame and cover.
 - 4. Furnishing and installing up to two adjustment rings.
 - 5. Resetting existing frame and cover.
 - 6. Restoration including pavement repair.
- 3.16 Gate Valves – Bid Item No. 61 through Bid Item No. 65
- A. Gate valve bid items include installing new gate valves or replacing existing gate valves on existing or new gravity mains or force mains with a depth of cover less than or equal to 6 feet. Valve installation shall be in accordance with Section 803. All valves and fittings installed on force mains shall have restrained joints. Valves shall be installed with solid sleeves compatible with the existing force main material. Force main valve installations shall pass a visual leak test prior to acceptance. Force main valve boxes shall be installed in accordance with the City of Suffolk *Valve Box* standard detail, included in Appendix A.
 - B. Measurement will be made based on each valve for each size valve installed.
 - C. Payment will be made based on the unit cost per each valve installed, complete in place. Payment will include the cost of the following:
 - 1. Excavation, backfilling, compacting and compaction testing.
 - 2. Bedding.

3. Verify existing materials
4. Cutting existing piping and removing existing piping and valve as necessary.
5. Disposal of surplus/unsuitable material and removed piping, fittings and valve.
6. Furnishing and installing valve, sleeve, fittings, valve box with frame and cover.
7. Coatings and linings
8. Restoration.

3.17 Asphalt Pavement and Concrete – Bid Item No. 66 through Bid Item No. 73

- A. Pavement cut and patch limits and quantities will be approved by the Owner prior to construction.
- B. Concrete: Unit cost per cubic yard, installed complete in place will include the cost of the following:
 1. Saw cut existing pavement and concrete.
 2. Excavate and dispose of existing stone, concrete, and pavement.
 3. Square cut area.
 4. Furnish and install concrete patch.
- D. Asphalt: Unit cost per cubic yard, installed complete in place will include the cost of the following:
 1. Furnish and install asphalt pavement.
 2. Tack existing walls of pavement prior to placing asphalt (1 lift).
 3. Patch shall be thoroughly and uniformly compacted by rolling.
 4. Seal edges.

3.18 Dewatering - manhole, lateral, or point repair – Bid Item No. 77

- A. Unit cost per each dewatering –manhole, lateral, or point repair shall include all labor, materials, and equipment necessary for dewatering. A well point system is required for payment under this bid item. A mud hog system will not be considered for payment under this bid item. Dewatering will be measured each per location (not daily).

3.19 Dewatering Trench – Linear dewatering per 50 LF – Bid Item No. 78

- A. Unit cost per 50 LF of trench dewatering shall include all labor, equipment, and materials necessary for dewatering, including one pump and one continuous header pipe to dewater 50 feet. In cases where a double well point system will be required or for lengths longer than 50 feet, the price of the additional length shall be prorated based on a per linear foot cost of the 50 foot system. A well point system is required for payment under this bid item. A mud hog system will not be considered for payment under this bid item. Dewatering will be measured each per location (not daily).

- 3.20 Light cleaning and CCTV inspection for gravity sewer laterals (4"-6") – Bid Item No. 82
- A. Unit cost per each cleaning and CCTV inspection of a 4"-6" gravity sewer lateral shall include labor, materials, and equipment necessary for light cleaning and CCTV inspection.
- 3.21 Additional mobilization to clean & perform CCTV inspections (on work orders less than 500 LF) – Bid Item No. 83
- A. Unit cost to be added to each Work Order when the total footage of cleaning and CCTV inspection for that Work Order is less than 500 LF.
- 3.22 Wet Well Concrete Repair and Rehabilitation Specifications
- A. See Appendix B.
- 3.23 Required City Permit Applications (EA) – Bid Item No. 88
- A. Unit cost to be added to each applicable Work Order to complete and submit the following permit applications to the appropriate City Department:
1. Right of Way Permit Application for Utility Work.
 2. Street, Lane, Sidewalk Closure Permit Application.

IV. SPECIFIC CHANGES, ADDITIONS, AND DELETIONS TO THE HRPDC REGIONAL CONSTRUCTION STANDARDS

- 4.1 Details shall be in accordance with the HRPDC regional standards with the exception of the following standard details that replace and supersede any HRPDC standard details.

City of Suffolk, Department of Public Utilities Standard Details, included in Appendix A:

- A. Sanitary Lateral
 - B. Standard 48" Diameter Manhole
 - C. Standard 60" Diameter Manhole
 - D. Exterior Drop Connection
 - E. Interior Drop Connection
 - F. 60" Diameter Valve Vault Precast Concrete Manhole
 - G. Standard Manhole Frame and Cover with Insert
 - H. Manhole Rim Adjustment
 - I. Manhole and Pipe Abandonment
 - J. Valve Box
- 4.2 Division 802 – Sanitary Gravity Sewer Systems, paragraph 3.2.A.2; and Division 818 – Point Repair by Excavation, paragraph 3.2.D.
Delete all references to depth classifications.
Replace with the depth classifications as defined on the Bid Form.
- 4.3 Division 821 – Sanitary Sewer Service Reconnections, paragraph 3.3.A.
Delete paragraph 3.3.A.7.
Replace with the following: "7. *Lateral pipe and fittings.*"

Add the following: "21. Connection to existing service lateral."

- 4.4 Division 2 through Division 8.
Delete all references to Section 105.
Replace with the following: "*General Conditions*".
- 4.5 Division 2 through Division 8.
Delete all references to Section 107.
Replace with the following: "*General Conditions*".
- 4.6 Division 2 through Division 8.
Delete all references to Section 109.
Replace with the following: "*Special Provisions*".
- 4.7 Division 2 through Division 8.
Delete all references to Contract Documents.
Replace with the following: "*Bid Documents*".
- 4.8 Division 2 through Division 8.
Clarification any reference to drawings means any drawing, sketch, or detail provided as part of each Work Order.

End of Section