

City of Lynchburg  
Procurement Division  
900 Church Street  
Lynchburg, Virginia 24504  
Telephone No.: (434) 455-3970  
Fax No.: (434) 845-0711

**Addendum for Invitation for Bids  
Blue Ridge Farms Phase 2**

**14-924**

Date: 08/21/2014  
From: Lisa Moss, Buyer VCA  
RE: Addendum No. 1

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This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become a part of the Contract Documents. The Bidder shall indicate receipt of this Addendum and all previously issued Addenda on the Bid Form.

- 1. The Agenda for the Pre Bid Meeting is attached below.**
2. Can there be a separate pay item for restrained joint water pipe that is called out on the plans? (Are the restrained joints really necessary if the contractor uses concrete thrust blocks? Are "lock-gaskets acceptable to the City?)

**The City of Lynchburg requires mechanical joint restraints and thrust blocks for all fittings, and does not allow the use of lock-gaskets. The lengths shown on the plans to restrain pipe joints can be ignored due to the fact that thrust blocks and mechanical joint restraints will be used. Therefore, a separate pay item for restrained joint pipe is not necessary.**

3. Are standard 48" diameter manholes acceptable for the interior drops or will the City require 60" diameter manholes for these locations?

**Standard 48" diameter manholes will be acceptable for manholes with interior drop connections for this project.**

4. Is the contractor to attempt to bore the sewer laterals or are these designed to be open cut? If they are to be bored, can a pay item for bored laterals be added?

**All sewer laterals will be open cut.**

5. Sheet D-4, there is a detail for full stone backfill of driveways, which is not typical of normal City requirements. Please confirm that this detail is required.

**See separate file for Addendum #1 Drawing detail (Figure 1) that has been modified. This detail will replace the "Open Cut Paved Driveway Crossing" detail on Sheet D-4. Select backfill will be required up to 8 inches below the finished driveway elevation, followed by 6 inches of aggregate backfill, and finished with 2" asphalt.**

6. Can an excel sheet of the bid form be provided?

**Yes. This is posted to our website.**

7. Will vacuum testing be required for rehabilitated manholes?

**No, visual inspection will be sufficient for this project. Remove sections 4.05 D and E from the Manhole Rehabilitation Specification.**

8. Will TV inspection of manholes be required?

**No.**

9. Can a "Point Repair" line item be added to the bid form.

**Yes, see item 15 under Section A. Sanitary Sewer Line Construction on the modified bid form and measurement and payment specification. A revised bid sheet is attached below and also posted on our website in excel form.**

Company Name: \_\_\_\_\_ Address: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Print Name: \_\_\_\_\_ Telephone No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

**CITY OF LYNCHBURG**  
**BLUE RIDGE FARMS- PHASE 2**  
**(Water, Sanitary & Storm Sewer Improvements)**

**Pre-Bid Conference Agenda**

**August 11, 2014**

**1:30 P.M.**

1. Introductions

- Sign-In Sheet

2. Invitation for Bids

- Bids Due: September 4, 2014 by 3:00 P.M.
- Bid Bond
- Certificate of Insurance

3. Project overview by Engineer, Draper Aden Associates

4. Additional Items and Clarifications

- Supplemental Conditions
- Lateral Reinstatements
- 360 Calendar Day Schedule, \$500/Day Liquidated Damages

5. Q & A

*Add Measurement and Payment Section below to the Supplemental Conditions Section to replace City Specification 01200 except where referenced in this document.*

## **MEASUREMENT AND PAYMENT**

### **PART 1 GENERAL**

#### **1.01 REQUIREMENTS INCLUDED**

All work shall be paid on the basis of the Unit Prices stated in the Bid Form and upon the actual work performed and materials installed, complete-in-place, in accordance with the Contract Documents. No separate payment shall be made for such items as the constant maintenance and coordination of the work, erosion and sediment control, utility excavation, excavation, trench protection, utility support and coordination, traffic control, sheeting and shoring, underpinning, installation procedure, maintaining drainage flow, maintaining sewage flow, dewatering, utility backfill, backfill, inspection, testing and restoration except when specified otherwise. The expense for these and any other incidental or related work necessary to provide and install a Bid Item, complete-in-place, shall be included in the Unit Price for that particular Bid Item. All work indicated or implied for a complete and finished installation shall be included in one of the several unit prices.

#### **1.02 RELATED REQUIREMENTS**

- A. Agreement Between Owner and Contractor
- B. Section 01000; General Requirements – Bidded Projects
- C. Section 01200; Measurement and Payment

#### **1.03 PAYMENT FOR UNIT PRICE WORK**

- A. Sanitary Sewer Line Construction
  - 1. 8-inch PVC Sewer: Price per linear foot for each size SDR-26 polyvinyl chloride (PVC) sewer line complete in place to a maximum depth of excavation of 8 feet and shall include furnishing all material, equipment, and labor to excavate, provide bedding, install the pipe, backfill to subgrade if under paved area or backfill to grade if not under paved area, and test the sewer line. The contractor is responsible for providing backfill and any bypass pumping as required.
  - 2. 6-inch Sanitary Sewer Service Lateral: Price per linear foot for each 6-inch Schedule 40 DWV PVC sanitary sewer service lateral complete in place to a maximum depth of excavation of 8 feet. This shall include furnishing all material, equipment, and labor to install the service lateral and backfill to subgrade. The price shall also include the wye (or tee) on

the main sewer line, bedding, pipe, PVC fittings, and adapters, backfill and testing. Fernco Couplings used under this pay item will be paid for separately.

3. 4-inch Sanitary Sewer Service Riser Pipe: Price per linear foot for each 4-inch of Schedule 40 DWV PVC sanitary sewer cleanout riser pipe measure from top of 45-degree bend to cap elevation, complete in place shall include furnishing and installing all material, equipment, and labor to install the riser pipe and backfill to grade.
4. 4-inch Cleanout Assembly: Price per each 4-inch cleanout assembly complete and in place shall include service connection wye, 45-degree bend, brass hexnut or scoriated top, and connection to the existing service lateral or adapter or PVC plug/cap if no existing service lateral exists (Detail 27.15). Fernco couplings used under this item will be paid for separately.
5. Removal of Existing Sanitary Sewer Manholes: Shall be paid at the unit price bid for each complete removal of existing manhole. The unit price shall include all materials, labor, manhole removal and disposal, backfill, lawn and landscape restoration, and other items required for complete manhole removal.
6. Sanitary Sewer Manhole, 48-inch diameter: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.2 F. Manholes – Standard.
7. Manhole Precast Concrete Riser Ring: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.2 I. Manhole Precast Concrete Riser Ring.
8. Manhole Frame and Cover: Price for manhole frame and cover shall include furnishing all material, equipment, and labor to install the manhole frame and cover at the appropriate elevation for final paving in paved areas, or 2 feet above grade in undeveloped off road areas. Grade adjustment over one inch will be paid for separately. Incremental grade adjustments of newly installed manhole frames and covers to match pavement profile shall be accomplished to match frame to finished pavement profile. Cost for final adjustment and sealing new frame and covers shall be included in this bid item. All manholes shall be adjusted to precisely match final pavement surface. (Detail 27.10)
9. Sanitary Sewer Manhole Drop Connection: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.2 G. Manholes – Drop.
10. Manhole Rehabilitation: Price per vertical foot for rehabilitation of existing 4-foot diameter manhole using waterproof coating per specifications shall include all material, equipment, and labor to clean and

prepare manhole, apply and cure coating, and testing, including all dewatering and bypass pumping as required.

11. Rehab of Existing Sewer Using 8-inch Flexible Liner: Price per linear foot for rehabilitation of 8-inch existing sewer by cured-in-place pipe process or folded and formed process with the installation of a flexible liner shall include all material, equipment, and labor. Price shall include bypass pumping, pre-insertion cleaning and TV inspection, insertion and curing of liner, sealing liner at manholes, testing, and final TV inspection.
12. Reconnection of Laterals on Lined Sewers: Shall be paid at the unit price bid for each reconnected lateral to lined sewer mains. Refer to “Lateral Connection to CIPP Liner” detail on sheet D-5 of the plans.
13. Fernco Flexible Couplings: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.2 R. Fernco Flexible Couplings.
14. Plugging Existing Sewer Services at Manholes: Shall be paid at the unit price bid for each lateral to be abandoned and plugged inside the manhole. Price shall include materials, labor, and equipment to plug the lateral inside of the manhole.
15. Point Repair: Price per each point repair performed. This bid item includes all excavation, backfill, appurtenances, materials, labor, and equipment required for a point repair to an 8-inch sewer. A point repair is defined as repairing 10 linear feet of sewer.

B. Water Line Construction

- 1-2. Ductile Iron Water Line, Class 50 (8”) Class 350 (6”): Price per linear foot for each size ductile iron water main, complete in place with a maximum excavation of 8 feet shall include all material, equipment, and labor to excavate, provide bedding (in rock only), install, test, disinfect, and backfill the waterline to subgrade.
3. Bore and Jacked Water Main Pipe: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.3 B. Bore and Jacked Water Main Pipe.
4. Fitting and Joint Restraints: Price per pound for ductile iron and cast iron fittings shall include furnishing all material, equipment, and labor to install, test, and disinfect all tees, bends, plugs, caps, crosses, sleeves, reducers, and miscellaneous fittings not specifically identified as a pay item. Price for all types of joint restraints except concrete anchors and joint restraints on fire hydrant assemblies shall be included in this item. Prices for valves, valve boxes, and fitting associated with fire hydrant assemblies shall not be included in this bid item.
- 5-6. Valves and Valve Boxes: Reference the City of Lynchburg’s Manual of

Specifications Section 01200 – Measurement and Payment, Item 1.3 F. Valves.

7. Combination 1-inch Air Release Valve Assembly: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.3 H. Air and Vacuum Release Valves.
8. Manhole for Air Release Valve: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.2 Q. Manholes for Air Release/Vacuum Valves and other Water Valves.
9. Manhole Frame and Cover: Price for manhole frame and cover shall include furnishing all material, equipment, and labor to install the manhole frame and cover at the appropriate elevation for final paving in paved areas, or 2 feet above grade in undeveloped off road areas. Grade adjustment over one inch will be paid for separately. Incremental grade adjustments of newly installed manhole frames and covers to match pavement profile shall be accomplished to match frame to finished pavement profile. Cost for final adjustment and sealing new frame and covers shall be included in this bid item. All manholes shall be adjusted to precisely match final pavement surface. (Detail 26.23)
10. Water Service (Open Cut): Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.3 W. Copper Pipe for Water Services (Open Cut).
11. Water Service (Bored): Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.3 X. Copper Pipe for Water Services (by Jacking or Boring).
12. Water Meter Box and Assembly: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.3 U. Water Meter Box and Assembly (Replacement of Existing Connection Only).
13. Fire Hydrant Assembly: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.3 J. Fire Hydrants (High Pressure and Low Pressure).
14. Cut and Cap: Price for each cut and cap for waterline abandonment shall include furnishing all materials, equipment, and labor to excavate, cut, cap, provide a concrete anchor, and backfill for all sizes of water line to be abandoned. Asphalt patch shall be paid separately.

C. Storm Sewer Construction

1. 18-inch HDPE Storm Sewer: Price per linear foot for each size soil-tight gasketed HDPE pipe storm drain complete in place with a maximum depth

of excavation of 8 feet shall include furnishing all material, equipment, and labor to excavate, provide bedding, install the storm drain, backfill with stone to 12” above the crown, and backfill to subgrade.

2. Storm Sewer Manhole: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.4 B. Manholes – Standard.
3. Flared End Section, VDOT Standard: Reference the City of Lynchburg’s Manual of Specifications Section 01200 – Measurement and Payment, Item 1.4 H. Flared End Section, VDOT Standard.
4. Manhole Frame & Grate: Price for manhole frame and grate shall include furnishing all material, equipment, and labor to install the manhole frame and grate at the appropriate elevation.

D. Miscellaneous Items Applicable to Water, Sanitary, and Storm Sewer Line Construction

1. Mobilization: Work shall consist of the performance of construction preparatory operations, including the movement of personnel and equipment to the project site, payment of performance and payment bond and other insurance premiums and for the establishment of the CONTRACTOR's offices, buildings and other facilities necessary to begin work on a substantial phase of the contract. Mobilization shall be paid for at the contract lump sum price, which price shall be full compensation for performing the work specified and the furnishing of all materials, labor, tools, equipment and incidentals necessary to mobilize and subsequently demobilize the construction preparatory operations. No additional payment will be made for demobilization and remobilization due to shutdowns, suspensions of the work or for other mobilization activities.

The basis of payment shall be as follows:

Total Original Contract Amount, Including Mobilization		Total Limits for Partial Payments
More Than	To & Including	
\$ 0	\$ 100,000	10% of total contract amount
\$ 100,000	\$ 500,000	\$10,000 plus 3% of total contract over \$100,000
\$ 500,000	\$ 1,500,000	\$22,000 plus 2% of total contract over \$500,000
\$ 1,500,000	More	\$42,500 plus 1% of total contract over \$1,500,000

Partial payments shall be as follows:

- a. One-third of the amount established above as the total limit for partial payment, or one-third (1/3) of the amount bid for mobilization, whichever is less, will be released to the CONTRACTOR at the first estimate, payable not less than 15 days after the start of work at the project site.
- b. The second one-third (1/3) of the amount established above as the total limit for partial payment, or one-third (1/3) of the amount bid for mobilization, whichever is less, shall be released with the estimate payable 30 days after the first estimate.
- c. The final one-third (1/3) of the amount established above as the total limit for partial payment, or one-third (1/3) of the amount bid for mobilization, whichever is less, shall be released with the estimate payable 30 days later than the estimate in which the second one-third (1/3) has been paid.

Upon completion of all work on the project, payment of any amount bid for mobilization in excess of the total limit for partial payment, will be released. Nothing herein shall be construed to limit or preclude partial payments otherwise provided for by the contract. No deductions will be made, nor will any increase be made, in the lump sum mobilization item amount regardless of decreases or increases in the final total contract amount or for any other cause.

2. Construction Project Sign: Price for construction project sign shall include furnishing all material, equipment, and labor to install the sign. (Detail 25.25). Payment will be made on an each basis.
3. Construction Stakeout: Price for construction stakeout shall include furnishing all material, equipment, and labor to stakeout the proposed improvements. Payment will be made on a lump sum basis.
4. Television Inspection of Sewer Lines: Price per linear foot to provide closed circuit televising of new installations. Post Television Inspection of Sewer Lines, includes all materials, equipment, and labor required to provide CCTV inspection of sewer lines and provide the city construction coordinator two copies of the CCTV footage and logs for review and approval. CCTV inspection is required post-installation of new sewer mains and new laterals. Pre-installation televising to locate laterals or to verify location and/or condition of sewer lines prior to installation shall be considered incidental and the cost should be included in the unit price of each lining price.

5. Residential Street Patch (Type J): Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.6 J. Trench Patching for New Pipe Installation – Permanent and Temporary.
6. Pavement Cut and Removal, Asphalt Concrete: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.1A. Pavement Cut and Removal, Asphalt Concrete.
7. Pavement Cut and Removal, Unreinforced Concrete: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.1B. Pavement Cut and Removal, Asphalt Concrete.
8. Pavement Cut and Removal, Reinforced Concrete: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.1C. Pavement Cut and Removal, Asphalt Concrete.
9. Asphalt Concrete Pavement: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.6 D. Asphalt Concrete Pavement.
10. Pavement Profiling: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.6 I. Pavement Profiling.
11. Paving Asphalt Concrete Driveways: Unit price per square yard of paving for reinstatement of existing driveways disturbed during construction, as directed by the engineer or as called for on project plans. Includes saw cutting, applying tack coat, and paving with 2" asphalt surface mix.
12. Replacement of Concrete Entrances: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.7 D. Replacement of Concrete Driveways, Entrances, and Sidewalks, 7 inches thick.
13. Type 1 Aggregate Stone for Shoulder Restoration: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.6 O. Type 1, Aggregate Stone for Shoulder Restoration after Paving.
14. Maintenance Stone for Pipe Installation: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.1 M. Maintenance Stone for Pipe Installation. Unit shall be square yards rather than cubic yards.
15. Remove and Replace Concrete Paved Ditch: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.7 X. Concrete Paved Ditches, VDOT PG-2A, PG-4, PG-5.
16. Unformed Concrete: Reference the City of Lynchburg's Manual of

Specifications Section 01200 – Measurement and Payment, Item 1.7U. Unformed Concrete for Footing, Collars, Thrust blocks, etc. (Poured without Forms).

17. Tree Removal (6"-15"): Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.8 Q. Tree Removal (6" to 15" in diameter).
18. Tree Removal (over 15"): Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.8 R. Tree Removal (over 15" in diameter).
19. Soil Compaction Test, 1 Point Proctor (Library): Unit price for compaction test to confirm density of backfill, subgrade, or native material using professional geotechnical consultant as directed by the engineer. Testing shall be conducted in accordance with AASHTO T272 and T99 as modified to include adjustment for moisture content and material sizes used in laboratory determination of density. Nuclear gauge density analysis shall be related to the density of the same material tested in accordance with VTM-1, VTM-10, or VTM-12. A control strip will not be required. This item shall not be used to pay for retesting an area which fails initial testing-retesting area that fail initial test shall be at contractor expense. One copy of testing results is to be forwarded to the Owner upon completion of the testing.
20. Extra Depth Trench Excavation (8-16 feet): Price per cubic yard for extra depth trench excavation from 8 feet to 16 feet shall include material, equipment, and labor required to excavate for trenches from 8 to 16 feet deep where shown on the construction drawings and/or as directed by the engineer. The price shall also include all shoring, dewatering, traffic control, and safety devices required by the jurisdictions having authority. Unit price for rock excavation shall include provisions for removal of material at extra depths as required and this pay item will not be used when excavating rock by blasting or "Hoe-Ramming".
21. Rock Excavation by Blasting: Price for rock excavation by blasting shall include all material, equipment, and labor required to excavate material and provide backfill to full depth shown on the plans that, in the opinion of the engineer, cannot be excavation except by drilling and blasting, or wedging. Quantities will be determined based on field conditions in accordance with specifications. The cost for structure surveys required before blasting is to be included in this unit cost.
22. Rock Excavation by "Hoe-Ramming": Price for rock excavation by "Hoe-Ramming" shall include all material, equipment, and labor required to excavate material and provide backfill to full depth shown on plans as directed by the engineer. Rock shall consist of undecomposed stone, hard enough to ring under hammer and of a volume not less than ½ cubic yard. The contractor and engineer shall measure the rock in place before being

excavated. The cost for any structure surveys required before ramming is to be included in this unit cost.

23. Seeding and Fine Grading: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.8 G. Seeding and Fine Grading.
24. VDOT EC-2: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.8 I. VDOT EC-2.
25. Silt Fence Barrier: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.8 M. Silt Fence Barrier.
26. Drop Inlet Silt Trap: Reference the City of Lynchburg's Manual of Specifications Section 01200 – Measurement and Payment, Item 1.8 O. Drop Inlet Silt Trap.

## **PART 2 EXECUTION**

NOT USED

**END OF SECTION**

**ADDENDUM #1 REVISED BID SHEET.****A : SANITARY SEWER LINE CONSTRUCTION**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Total</b>
1	8-inch PVC Sewer	LF		1,370	
2	6-inch Sanitary Sewer Service Lateral	LF		1,710	
3	4-inch Sanitary Sewer Service Riser Pipe	VF		315	
4	4-inch Cleanout Assembly	EA		61	
5	Removal of Existing Sanitary Sewer Manholes	EA		7	
6	Sanitary Sewer Manholes 48-inch Diameter	VF		61	
7	Manhole Precast Riser Ring	VF		5	
8	Manhole Frame and Cover	EA		7	
9	Sanitary Sewer Manhole Drop Connection	VF		9	
10	Manhole Rehabilitation	VF		102	
11	Rehab of Existing Sewer using 8-inch Flexible Liner	LF		2,300	
12	Reconnection of Laterals on Lined Sewers	EA		41	
13	Fernco Flexible Couplings	EA		62	
14	Plugging Existing Sewer Services at Manholes	EA		9	
15	<b>Point Repair</b>	<b>EA</b>		<b>2</b>	
<b>Subtotal Section A:</b>					

*B. Water Line Construction*

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Total</b>
1	6-inch Ductile Iron Water Line Class 350	LF		708	
2	8-inch Ductile Iron Water Line Class 50	LF		6,386	
3	Bore & Jacked 6" and/or 8" Water Main Beneath Driveways	LF		720	
4	Fitting and Joint Restraints	LBS		6,000	
5	6-inch Valves and Boxes	EA		4	
6	8-inch Valves and Boxes	EA		16	
7	Combination 1-inch Air Release Valve Assembly	EA		8	
8	Manhole for Air Release Valve	EA		8	
9	Manhole Frame and Cover	EA		8	
10	Water Service (Open Cut)	LF		650	
11	Water Service (Bored)	LF		2,595	
12	Water Meter Box and Assembly	EA		131	
13	Fire Hydrant Assembly	EA		13	
14	Cut and Cap	EA		4	
<b>Subtotal Section B:</b>					

*C. Storm Sewer Construction*

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Total</b>
1	18-inch HDPE Storm Sewer	LF		50	
2	Storm Sewer Manhole 48-inch Diameter	VF		3.5	
3	Flared End Section, VDOT Standard	EA		1	
4	Manhole Frame and Grate	EA		1	
<b>Subtotal Section C:</b>					

*D. Miscellaneous Items Applicable to Water, Sanitary, and Storm Sewer Line Construction*

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Total</b>
1	Mobilization	LS		1	
2	Construction Project Sign	EA		1	
3	Construction Stakeout	LS		1	
4	Television Inspection of Sewer Lines (New Install Only)	LF		3,132	
5	Residential Street Patch (Type J)	SY		970	
6	Pavement Cut and Removal, Asphalt Concrete	SY		970	
7	Pavement Cut and Removal, Unreinforced Concrete	SY		15	
8	Pavement Cut and Removal, Reinforced Concrete	SY		15	
9	Asphalt Concrete Pavement	TN		1,263	
10	Pavement Profiling	SY		500	
11	Paving Asphalt Concrete Driveways	SY		100	
12	Replacement of Concrete Entrances	SY		20	
13	Type 1 Aggregate Stone for Shoulder Restoration	TN		150	
14	Maintenance Stone for Pipe Installation (6" Compacted Layer)	SY		970	
15	Remove and Replace Concrete Paved Ditch	SY		35	
16	Unformed Concrete	CY		50	
17	Tree Removal (6"-15")	EA		2	
18	Tree Removal (over 15")	EA		2	
19	Soil Compaction Test, 1 point proctor (Library)	EA		36	
20	Extra Trench Depth Excavation (8-16 feet)	CY		135	
21	Rock Excavation by Blasting	CY		100	
22	Rock Excavation by "Hoe-Ramming"	CY		100	

23	Seeding and Fine Grading	SY		6,200	
24	VDOT EC-2	SY		500	
25	Silt Fence Barrier	LF		400	
26	Drop Inlet Silt Trap	EA		8	
<b>Subtotal Section D:</b>					
<b><i>TOTAL BID PRICE</i></b>					