

July 24, 2020

ADDENDUM #2

NOTICE TO ALL BIDDERS FOR CITY OF WINCHESTER

ITB #202006 – Hope Drive Extension

This Addendum forms a part of the Contract Documents and modifies the original bidding documents for ITB #202006 dated May 2020. **Bidders shall acknowledge receipt of the Addendum in the space provided on the Bid Form and return a signed copy with your bid.**

This Addendum consists of 17 total pages plus revised Drawings. The following information shall modify and clarify the Contract Documents:

1. The date of the bid opening has been modified. Bids will now be due at **2:00 p.m. on Wednesday, August 19, 2020.**
2. The Bid Form has been revised and is attached.
3. The Drawings have been revised and can be downloaded.
4. The written Questions and Answers are binding and hereby made a part of the Contract Documents.
5. The technical specification for Earthwork has been revised and is attached.
6. In cases of discrepancies within specifications, the following order of precedence shall govern:
 - a. Technical Specifications in Contract Document
 - b. City of Winchester – Public Services Standards Manual
 - c. VDOT Road and Bridge Specifications

This Addendum must be signed and returned to the Finance Department – Purchasing Division, 4th Floor Rouss City Hall, 15 North Cameron Street, Winchester, VA 22601 by **2:00 p.m. local time on August 19, 2020** with your BID.

Receipt of Addendum #2 to Invitation to Bid #202006 is acknowledged by my signature below:

Company Name: _____

Authorized Representative: _____

Address: _____

Telephone: _____ FAX: _____

BID FORM
Hope Drive Extension
ITB# 202006
Updated 7-24-2020

This Bid is submitted to:

City of Winchester, Virginia
Finance Department
Rouss City Hall, 4th Floor
15 North Cameron Street
Winchester, Virginia 22601

In submitting this Bid, bidder acknowledges that the bidder has examined copies of the following Contract Documents:

BIDDING DOCUMENTS

- Invitation to Bid
- Instructions to Bidders
- Bid Form
- Contractor Qualification Data Sheet
- Bid Bond
- Non-Collusion Affidavit
- Contract
- Performance Bond
- Labor and Material Payment Bond
- Notice of Intent to Award
- Notice of Award
- Notice to Proceed
- City of Winchester Required General Terms and Conditions
- General Conditions
- Supplement to General Conditions
- Special Terms and Conditions
- Special Provisions - Utilities

TECHNICAL SPECIFICATIONS

- Scope of Work – Sequence of Construction
- Surveying
- As-Built Drawings
- Demolition
- Erosion and Sediment Control
- Rock Excavation

- Disposal of Materials
- Maintenance of Traffic
- Concrete (Curb & Gutter, Sidewalks, Entrances)
- Brick Medians
- Detectable Warning Surfaces
- Earthwork
- Topsoil and Seeding
- Landscaping
- Signal Mast Arms, Poles, Luminaire Arms and Sign Supports
- Emergency Vehicle Preemption Equipment
- Traffic Signal Cabinets
- Traffic Signal Controllers
- Uninterruptible Power Supply
- Video Detection Equipment
- Signal Head Sections
- LED Edge-Lit Internally Illuminated Street Name Signs
- Radio Equipment
- Street Lights
- Storm
- Water Distribution System
- Sanitary Sewer Collection System

DRAWINGS

CSX COORDINATION DOCUMENTS

GEOTECHNICAL REPORT

ADDENDA:

<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>DATE</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Receipt of all of above is hereby acknowledged.

CONTRACTOR: _____
 BY (SIGNATURE): _____
 NAME AND TITLE: _____

DATE: _____

BID ITEMS/QUANTITIES

- (a) The Contractor shall provide all unit prices or lump sum prices for all bid items on the Bid Form herein. **If a unit price or lump sum price is omitted or left blank the bid and bidder shall be non-responsive.** The bid forms designate which prices are for *Install* only work, complete and in place, (i.e. assumes equipment and/ or materials will be supplied by the City). All other bid prices are for Furnish and Install work, complete and in place.
- (b) The quantities shown for unit bid items are based upon the best information available at time of preparation of these bid documents, and are established for the purpose of obtaining a bid price. No adjustments to the bid prices based on changes to quantities will be considered. All bid prices will be held throughout the duration of the contract regardless of any increase or decrease in bid quantity.
- (c) Emergency work shall be negotiated with a maximum allowable amount of 50% over the bid price by item. This excludes all lump sum bid items.
- (d) All other bid items not listed or described in the Contract Documents will be negotiated between the City and the Contractor before the time of need. Once a negotiated price is established, it will be used for the remainder of the contract.

The undersigned Bidder proposes to complete all work in accordance with the Contract Documents for the following unit prices:

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization					
1	Mobilization (Maximum of 3% of Total Price)	1	Lump Sum		
Demolition/Removal					
2	Clearing and Grubbing [VDOT Section 301]	1	Lump Sum		
3	Demolition of Existing Asphalt or Concrete, Includes Disposal	12,800	SY		
3A	Demolition and Removal of Existing Storm Infrastructure, Includes Disposal	1	Lump Sum		
Erosion and Sediment Control					
4	Erosion and Sediment Control	1	Lump Sum		
Construction Surveying					

5	Construction Surveying	1	Lump Sum		
Maintenance of Traffic					
6	Maintenance of Traffic	1	Lump Sum		
Earthwork					
7	Regular Excavation	70,000	CY		
8	Borrow Excavation (Select Fill)	40,000	CY		
9	Grading	1	Lump Sum		
9A	Imported Subgrade Stabilization Material, OGB Stone 2" – 8" [Only where necessary as directed by City] (VDOT Section 305)	100	TON		
9B	Geotextile Fabric for Subgrade Stabilization [Only where necessary as directed by City] (VDOT Section 305)	1,500	SY		
9C	Railroad Ballast Stone [Only where necessary as directed by City]	40	TON		
9D	Soil Cement Stabilization Manipulation – 8-inch depth [Only where necessary as directed by City] VDOT Section 307	700	SY		
9E	Soil Cement Stabilization – Lime [Only where necessary as directed by City] VDOT Section 307	10	TON		
9F	Soil Cement Stabilization – Fly Ash [Only where necessary as directed by City] VDOT Section 307	10	TON		
9G	Soil Cement Stabilization – Aggregate Material [Only where necessary as directed by City] VDOT Section 307	100	TON		
10	Rock Excavation	1,000	CY		
Sidewalk/Roadway Improvements					
11	DELETED				
12	DELETED				
13	DELETED				
14	Brick Median (On 4" Concrete Base)	100	SY		
15	Median Strip MS-2 [VDOT Section 502]	600	LF		
16	Standard Curb CG-2	2,000	LF		

17	Standard Comb. Curb & Gutter CG-6	10,000	LF		
18	CG-12 Detectable Warning Surface	40	SY		
19	R/W Monument RM-2 [VDOT Section 503]	50	EA		
20	DELETED				
21	Asphalt Concrete, Type SM-9.5A [VDOT Section 315]	4,000	TON		
22	Asphalt Concrete, Type IM-19.0A [VDOT Section 315]	1,600	TON		
23	Flexible Pave. Planing [VDOT Section 515]	13,000	SY		
24	Asphalt Concrete, Type BM-25.0A [VDOT Section 315]	3,000	TON		
25	Aggregate Base Course, 21-A (under asphalt roadway and trail only)[Material and installation as per VDOT Section 309]	6,500	TON		
26	Concrete Sidewalk, 4" Thick (Includes aggregate base course)	1,700	SY		
27	Concrete Entrance, CG-9	100	SY		
28	Concrete Manhole Collars	27	EA		
Storm Drainage					
29	12" Storm Sewer Pipe, Class III RCP	50	LF		
30	15" Storm Sewer Pipe, Class III RCP	1,500	LF		
31	18" Storm Sewer Pipe, Class III RCP	560	LF		
32	24" Storm Sewer Pipe, Class III RCP	1,200	LF		
33	30" Storm Sewer Pipe, Class III RCP	400	LF		
34	36" Storm Sewer Pipe, Class III RCP	300	LF		
35	42" Storm Sewer Pipe, Class III RCP	410	LF		
36	54" Storm Sewer Pipe, Class III RCP	675	LF		
37	72" Tunneled Pipe (Class V) [VDOT Section 302]	70	LF		
38	68" x 43" Elliptical Storm Sewer Pipe, Class III RCEP	100	LF		
38A	45" x 29" Elliptical Storm Sewer Pipe, Class III RCEP	40	LF		
39	6' x 4' Double Box Culvert (Str. 8-7)	75	LF		
40	Storm Structure H3-5, Modify Exist. MH, Adjust Top	1	EA		

41	Storm Structure H3-6, Modify Exist. MH, DI-2E, L=6'	1	EA		
42	Storm Structure H3-2, DI-3B, L=6'	1	EA		
43	Storm Structure H3-3, DI-3B, L=6'	1	EA		
44	Storm Structure H3-4, DI-3B, L=4'	1	EA		
45	Storm Structure H4-1, DI-2B, L=6'	1	EA		
46	Storm Structure H4-8, Modify Exist. MH, Adjust Top	1	EA		
47	Storm Structure H4-9, Modify Exist. MH, Adjust Top	1	EA		
48	Storm Structure H4-2, DI-3C, L=6'	1	EA		
49	Storm Structure H4-3, DI-3C, L=6'	1	EA		
50	Storm Structure H4-4, DI-3B, L=4'	1	EA		
51	Storm Structure H4-17, Modify Exist. MH, DI-2D, L=5'	1	EA		
52	Storm Structure H4-5, DI-3C, L=8'	1	EA		
53	Storm Structure H4-16, Modify Exist. DI, Adjust Top	1	EA		
54	Storm Structure H4-7, Modify Exist. DI, Adjust Top	1	EA		
55	Storm Structure H4-10, Modify Exist. DI, Adjust Top	1	EA		
56	Storm Structure H4-11, Modify Exist. DI, Adjust Top	1	EA		
57	Storm Structure H4-12, DI-3B, L=6'	1	EA		
58	Storm Structure H4-13, Modify Exist. DI, Adjust Top	1	EA		
59	Storm Structure H5-4, Modify Exist. DI, Adjust Top	1	EA		
60	Storm Structure H5-11, Modify Exist. MH, Adjust Top	1	EA		
61	Storm Structure H5-2, MH-1 OR 2	1	EA		
62	Storm Structure H5-12, Modify Exist. DI, Adjust Top	1	EA		
63	Storm Structure H5-1, DI-2B, L=6'	1	EA		
64	Storm Structure H5-14, DI-3B, L=8'	1	EA		
65	Storm Structure H5-5, DI-3B, L=6'	1	EA		
66	Storm Structure H5-10, Modify Exist. DI, Adjust Top	1	EA		

67	Storm Structure H5-3, Modify Exist. MH, Adjust Top	1	EA		
68	Storm Structure H5-15, Modify Exist. MH, Adjust Top	1	EA		
69	Storm Structure H5-9, DI-4BB, L=6'	1	EA		
70	Storm Structure H5-13, Remove Str.	1	EA		
71	Storm Structure H5-16, DI-1	1	EA		
72	Storm Structure H6-5, Mod. DI-1 (Shallow) SD-5, w/ Grate Top	1	EA		
73	Storm Structure H6-3, Mod. DI-1 (Shallow) SD-5, 4 Grates	1	EA		
74	Storm Structure H6-8, DI-2B, L=4'	1	EA		
75	Storm Structure H6-6, DI-2B, L=6'	1	EA		
76	Storm Structure H6-12, MH-1 OR 2	1	EA		
77	Storm Structure H6-7, Std. Hanson DI-3 Monobox, L=4'	1	EA		
78	Storm Structure H6-10, Mod. DI-1 (Shallow) SD-5, DI-1 Top	1	EA		
79	Storm Structure H6-9, Std. Hanson DI-3 Monobox, L=8'	1	EA		
80	Storm Structure H6-1, Std. Hanson DI-3 Monobox, L=10'	1	EA		
81	Storm Structure H6-2, DI-2B, L=4'	1	EA		
82	Storm Structure H6-11, Std. Hanson DI-3 Monobox, L=6'	1	EA		
83	Storm Structure H6-14, Std. Hanson DI-3 Monobox, L=6'	1	EA		
84	Storm Structure H6-17, Mod. JB-1	1	EA		
85	Storm Structure H6-13, DI-2B, L=8'	1	EA		
86	Storm Structure H6-19, Std. Hanson DI-3 Monobox, L=10'	1	EA		
87	Storm Structure H6-20, DI-2B, L=8'	1	EA		
88	Storm Structure H7-3, Std. Hanson DI-3 Monobox, L=6'	1	EA		
89	Storm Structure H7-11, DI-2C, L=6'	1	EA		
90	Storm Structure H7-10, DI-2B, L=4'	1	EA		
91	Storm Structure H7-9, DI-2B, L=4'	1	EA		
92	Storm Structure H7-5, DI-2C, L=6'	1	EA		
93	Storm Structure H7-17, 15" End Section ES-1 OR 2	1	EA		

94	Storm Structure H7-2, DI-2E, L=10'	1	EA		
95	Storm Structure H7-8, Mod. DI-1 (Shallow) SD-5, w/ Grate Top	1	EA		
96	Storm Structure H7-6, DI-2B, L=6'	1	EA		
97	Storm Structure H7-7, Std. Hanson DI-3 Monobox, L=6'	1	EA		
98	Storm Structure H7-4, 54" End Wall (EW-2)	1	EA		
99	Storm Structure H7-18, Mod. DI-1 (Shallow) SD-5, DI-1 Top	1	EA		
100	Storm Structure H7-20, Mod. DI-1 (Shallow) SD-5, 3 Grates	1	EA		
101	Storm Structure H7-31, Mod. DI-1 (Shallow) SD-5, DI-1 Top	1	EA		
102	Storm Structure H7-21, DI-3B, L=4'	1	EA		
103	Storm Structure H7-25, DI-3B, L=4'	1	EA		
104	Storm Structure H7-22, DI-3B, L=4'	1	EA		
105	Storm Structure H7-23, DI-3B, L=10'	1	EA		
106	Storm Structure H7-1, 30" End Section ES-1 or 2	1	EA		
107	Storm Structure H7-26, DI-7	1	EA		
108	Storm Structure H8-2, DI-3B, L=6'	1	EA		
109	Storm Structure H8-1, DI-3B, L=4'	1	EA		
110	Storm Structure H8-9, Mod. DI-1 (Shallow) SD-5, 2 Grates	1	EA		
111	Storm Structure H8-8, Mod. DI-1 (Shallow) SD-5, 2 Grates	1	EA		
112	Storm Structure H8-11, Modify Exist. DI, DI-3B, L=8'	1	EA		
113	Storm Structure H8-12, Modify Exist. DI, Adjust Top	1	EA		
114	Storm Structure H8-3, 30" End Section ES-1 OR 2	1	EA		
115	Storm Structure H8-10, DI-3B, L=12'	1	EA		
116	Storm Structure H9-6, DI-2B, L=4'	1	EA		
117	Storm Structure H9-5, Mod. DI-1 (Shallow) SD-5, 4 Grates	1	EA		
118	Storm Structure H9-13, Mod. DI-1 (Shallow) SD-5, w/ Grate Top	1	EA		
119	Storm Structure H9-2, DI-2B, L=4'	1	EA		

120	Storm Structure H9-3, DI-2C, L=6'	1	EA		
121	Storm Structure H9-1, DI-2B, L=6'	1	EA		
122	Storm Structure H9-4, DI-1	1	EA		
123	Storm Structure H9-15, DI-2B, L=8'	1	EA		
124	Storm Structure H9-7, DI-2B, L=8'	1	EA		
125	Storm Structure H9-8, DI-3B, L=8'	1	EA		
126	Storm Structure H9-9, DI-3B, L=8'	1	EA		
127	Storm Structure H9-10, DI-3B, L=4'	1	EA		
128	Storm Structure H9-14, DI-2A, L=4'	1	EA		
129	Storm Structure H9-11, DI-3B, L=10'	1	EA		
130	Storm Structure H9-12, DI-3B, L=8'	1	EA		
131	Storm Structure H10-1, Mod. DI-1 (Shallow) SD-5, 2 Grates	1	EA		
132	Storm Structure H10-2, Modify Exist. DI, Adjust Top	1	EA		
133	Storm Structure H11-1, 24" End Section ES-1 OR 2	1	EA		
134	Storm Structure H11-2, MH-1 OR 2	1	EA		
135	Storm Structure V16-6, 42" End Wall (EW-2)	1	EA		
136	Storm Structure H12-2, Modify Exist. MH, Adjust Top	1	EA		
137	Storm Structure H12-3, 24" End Section ES-1 or 2	1	EA		
138	Storm Structure V16-3, DI-3B, L=6'	1	EA		
139	Storm Structure V16-4, MH-2	1	EA		
140	Storm Structure V16-7, DI-2EE, L=8'	1	EA		
141	Storm Structure H8-7, Double Box with Culvert Type Wings	4	EA		
142	Storm Structure H12-1, Mod. MH-2, Dewatering Well	1	EA		
143	Storm Structure H12-1, 72" End Wall (EW-2)	2	EA		
144	Storm Structure H12-1. Flood Control & Inlet Structure	1	EA		
145	Storm Manhole Frame and Cover	13	EA		
146	Erosion Control Stone Class I, EC-1 [VDOT Section 414]	165	TON		

147	Erosion Control Stone Class II, EC-1 [VDOT Section 414]	30	TON		
148	Dry RipRap, Cl. I [VDOT Section 414]	450	TON		
149	Aquatic Bench Plantings	20	EA		
150	Planting Watering	1	Lump Sum		
150A	Coordination with Valley Avenue Drainage	1	Lump Sum		
Street Lighting and Conduits					
151	Streetlight Foundation	46	EA		
152	Bored Conduit 2"	100	LF		
153	2" PVC Conduit	6,500	LF		
154	Junction Box JB-S1 (Installation Only) (Box Provided by SVEC) [VDOT Section 700]	10	EA		
Traffic Signal					
155	NS Remove Existing Signal Equipment & Signs (Valley Ave./Hope Drive) [VDOT Section 510]	1	LS		
156	Sign Panel [VDOT Section 701]	100	SF		
157	Electric Service SE-5 [VDOT Section 700]	1	EA		
158	Traffic Signal Head Section 12" LED [VDOT Section 703]	29	EA		
159	Relocate Existing Signal Head [VDOT Section 703]	7	EA		
160	Pedestrian Actuation PA-2 [VDOT Section 703]	4	EA		
161	Pedestal Pole PF-2 12' [VDOT Section 700]	3	EA		
162	Concrete Foundation Signal Pole PF-8 [VDOT Section 700]	30	CY		
163	Concrete Foundation CF-1 [VDOT Section 700]	1	EA		
164	Mast Arm Pole Type I	1	EA		
165	Mast Arm Pole Type II	1	EA		
166	Mast Arm 30'	1	EA		
167	Mast Arm 40'	1	EA		
168	Mast Arm 50'	1	EA		

169	Three Video Detection Camera Intersection	2	EA		
170	Video Detection Camera Cable	1,200	LF		
171	Video Detection Camera Y Cable (BNC To 2 Wire)	2	EA		
172	Emitters	2	EA		
173	Emergency Preemption Detector Unit	2	EA		
174	Emergency Preemption Detector Controller Equipment	1	EA		
175	14/2 Conductor Cable [VDOT Section 700]	440	LF		
176	14/4 Conductor Cable [VDOT Section 700]	1,100	LF		
177	14/7 Conductor Cable [VDOT Section 700]	1,900	LF		
178	Hanger Assembly SM-3 One Way (In Line) [VDOT Section 703]	6	EA		
179	Hanger Assembly SM-3 One Way (Cluster) [VDOT Section 703]	3	EA		
180	Hanger Assembly SMB-3, One Way [VDOT Section 703]	4	EA		
181	Remove Existing Pole (Pedestal Pole) [VDOT Section 703]	3	EA		
182	Remove Existing Foundation (Pedestal Foundation) [VDOT Section 703]	3	EA		
183	Remove Existing Signal Head (Ped & Signal) [VDOT Section 703]	9	EA		
184	Remove Existing Manhole/Junction Box [VDOT Section 703]	1	EA		
185	Install Sign [VDOT Section 510]	13	EA		
186	Uninterruptible Power Supply	1	EA		
187	Uninterruptible Power Supply Battery	1	EA		
188	Uninterruptible Power Supply Cabinet	1	EA		
189	LED Edge-Lit Internally Illuminated Street Name sign, One-Sided, One Line	3	EA		
190	Encom 5.8 GHZ Antenna & Radio	1	EA		
191	NS Signalization Test Pit (Ex. Utility Location for Conduits)	35	EA		
192	Pedestrian Signal Head SP-8 [VDOT Section 703]	4	EA		
193	8 Conductor Cable [VDOT Section 700]	50	LF		
194	Junction Box JB-S2 [VDOT Section 700]	3	EA		

195	Junction Box JB-S3 [VDOT Section 700]	1	EA		
196	Electric Service Grounding Electrode (10') [VDOT Section 700]	3	EA		
197	2" PVC Conduit [VDOT Section 700]	175	LF		
198	3" PVC Conduit [VDOT Section 700]	170	LF		
199	Bored 3" Conduit [VDOT Section 700]	365	LF		
200	Trench Excavation ECI-1 [VDOT Section 700]	355	LF		
201	Test Bore [VDOT Section 700]	2	EA		
202	EVP Detector Cable [VDOT Section 703]	705	LF		
203	EVP Detector Cable (For RR Preemption/Interconnect) [VDOT Section 704]	150	LF		
204	Base Mounted Cabinet	1	EA		
205	Traffic Signal Controller (NEMA)	1	EA		
206	NS Modify Existing Controller	1	LS		
207	NS Modify Video Detection Zones	8	EA		
208	Rock Excavation for Traffic Signals	10	CY		
Restoration and Landscaping					
209	Topsoil and Seeding	52,000	SY		
Signs and Pavement Markings					
210	NS Reset Existing Sign(s) and Post (With New Anchor Base) [VDOT Section 510]	12	EA		
211	Sign Panel [VDOT Section 701]	90	SF		
212	Steel Sign Supports	13	EA		
213	Sign Anchor Bases	120	LF		
214	Type B, Class 1 Pavement Line Marking, 4" [VDOT Section 704]	15,000	LF		
215	Type B, Class 1 Pavement Line Marking, 6" [VDOT Section 704]	1,000	LF		
216	Type B, Class 1 Pavement Line Marking, 12" [VDOT Section 704]	200	LF		
217	Type B, Class 1 Pavement Line Marking, 24" [VDOT Section 704]	1,000	LF		
218	Pavement Symbol Marking (Thru Arrow, Type B, Class 1 [VDOT Section 704]	2	EA		

219	Pavement Symbol Marking (Single Turn Arrow), Type B, Class 1 [VDOT Section 704]	42	EA		
220	Pavement Symbol Marking (DBL Turn Arrow THRU/LT OR RT), Type B, Class 1 [VDOT Section 704]	1	EA		
221	Pavement Symbol Marking (Triple Turn Arrow), Type B, Class 1 [VDOT Section 704]	2	EA		
222	Pavement Symbol Marking (Railroad Crossing, Type B, Class 1 [VDOT Section 704]	2	EA		
Water and Sanitary Sewer					
223	6" DI Water Main, Class 52	75	LF		
224	8" DI Water Main, Class 52	1,500	LF		
225	10" DI Water Main, Class 52	400	LF		
225A	12" DI Water Main, Class 52	50	LF		
226	Fire Hydrant Assembly	5	EA		
227	Raise Hydrant to Grade	1	EA		
228	Remove Existing Hydrant	1	EA		
229	New Water Service Line, ¾" copper	20	LF		
230	New Water Service Line, 1" copper	20	LF		
231	New Water Service Line, 2" poly	20	LF		
232	New Water Meter Assembly, ¾"	1	EA		
233	New Water Meter Assembly, 1"	1	EA		
234	New Water Meter Assembly, 2"	1	EA		
235	Water Service Relocation, 1"	3	EA		
236	6" Gate Valve and Box	6	EA		
237	8" Gate Valve and Box	5	EA		
238	10" Gate Valve and Box	9	EA		
239	12" Gate Valve and Box	2	EA		
239A	6" Wet Tap	1	EA		
240	8" PVC Sanitary Sewer Pipe, SDR 26	150	LF		
241	15" PVC Sanitary Sewer Pipe, SDR 26	25	LF		

242	18" PVC Sanitary Sewer Pipe, SDR 26	1,575	LF		
242A	18" DI Sanitary Sewer Pipe, Class 52	125	LF		
243	Sanitary Sewer Manhole, 48-inch diameter	12	EA		
243A	Sanitary Sewer Manhole, 60-inch Diameter	1	EA		
244	Sewer Manhole Frame and Cover	14	EA		
245	N.S. 4" Concrete Encasement	64	LF		
245A	Flowable Backfill (VDOT S302G02)	50	CY		
Miscellaneous					
246	As-Built Drawings	1	Lump Sum		
247	CSX Coordination	1	Lump Sum		
TOTAL FOR ALL – BASE BID					

TOTAL BASE BID: \$ _____

IN WORDS: _____

CONTRACTOR: _____

BY: (SIGNATURE) _____

NAME AND TITLE: _____

DATE: _____

ADDRESS: _____

TELEPHONE: _____

CURRENT VIRGINIA CONTRACTOR REGISTRATION NUMBER: _____

NOTE: REQUIRED BID GUARANTEE MUST BE ENCLOSED WITH THIS BID PROPOSAL.

CITY OF WINCHESTER
TECHNICAL SPECIFICATION
EARTHWORK

Page 1 of 1
July 2020

I. Description.

This work shall consist of excavation and removal of any unsuitable soil material, the furnishing and placement of imported select fill material where necessary, and any grading required for the project. The excavation and removal of existing materials and the placement of imported fill shall be minimized as much as possible.

II. Materials and Procedures

1. Imported fill material shall meet the requirements of Select Material Type I (VDOT Specifications Section 207).
2. Imported fill shall be placed and properly compacted as per VDOT Specifications Section 303 and 305.

III. Measurement and Payment.

“Regular Excavation” will be measured in cubic yards of existing soil material removed and hauled away and will be paid for at the contract unit price per cubic yard. This price shall include excavation, grading and disposal of material. Any regular excavation shall be approved by the City before completing the work.

“Borrow Excavation (Select Fill)” will be measured in cubic yards of select material placed, graded, and compacted and will be paid for at the contract unit price per cubic yard. Any select fill shall be approved by the City before completing the work.

“Grading” will be measured and paid for as a lump sum for the entire project and will include the final grading required for the entire project.

“Railroad Ballast Stone” will be measured and paid for per ton of material placed adjacent to the railroad track as directed by the City.

Payment will be made under:

Pay Item	Pay Unit
Regular Excavation	Cubic Yard
Borrow Excavation (Select Fill)	Cubic Yard
Grading	Lump Sum
Railroad Ballast Stone	Ton