

Addendum #5 IFB 22-08



CITY OF SOMERVILLE, MASSACHUSETTS
Department of Purchasing
JOSEPH A. CURTATONE
MAYOR

To: Spring Hill Sewer Separation and Streetscapes Phase 1

From: Andrea Caruth, Deputy Chief Procurement Officer of Procurement and Contracting Services

Date: September 17, 2021

Re: Changes to technical specifications and drawings and responses to requests for information

Addendum No. 5 to IFB 22-08

****PLEASE NOTE: The deadline for the Bid Opening has been extended to Wednesday, September 22nd, 2021 at 1PM.****

This addendum documents responses to requests for information.

This addendum documents changes to the bid form, technical specifications and drawings.

Please send your questions to purchasing@somervillema.gov.

****This addendum changes specifications. Failure to acknowledge this addendum will result in bid disqualification.****

NAME OF COMPANY / INDIVIDUAL: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE/FAX/EMAIL: _____

SIGNATURE OF AUTHORIZED INDIVIDUAL: _____

ACKNOWLEDGEMENT OF ADDENDA:

Addendum #1 _____ #2 _____ #3 _____ #4 _____

**CITY OF SOMERVILLE
93 HIGHLAND AVENUE, SOMERVILLE, MA 02143**

**SPRING HILL SEWER SEPARATION
AND STREETSCAPES PHASE 1
IFB # 22-08**

**ADDENDUM NO. 5
SEPTEMBER 17, 2021**

TO ALL BIDDERS:

Bidders are hereby informed that Contract Documents for the above-mentioned contract are modified, corrected, and/or supplemented as follows and the Addendum No. 5 becomes part of the Contract Documents and consists of items 5-1 through 5-15.

SPECIFICATIONS

- 5-1. Section 00 41 00 Bid Form
DELETE Section 00 41 00 – Bid Form in its entirety and **REPLACE** with the attached *Section 00 41 00 – Bid Form*. (see Addendum No. 5, Attachment A)
- 5-2. Section 01 22 00 – Measurement and Payment
DELETE the item descriptions and numbering at the beginning of paragraph 3.23 and **REPLACE** with the following:
DI STORM DRAINS – (Items SD01A through SD01C – 12”, and 16”, and 30”)
PVC STORM DRAINS (Items SD01D through SD01G – 8”, 12”, 15”, and 18”)
RCP STORM DRAINS – (Items SD01H through SD01M – 15”, 18”, 24”, 30”, 36”, and 42”)
GRP STORM DRAIN – (Item SD01N – 42”)
- 5-3. Section 01 22 00 – Measurement and Payment
At the beginning of paragraph 3.45 **DELETE** “SUPERPAVE SURFACE COURSE – 12.5 (SSC – 12.5) (Item RS02A)” and **REPLACE** with:
“SUPERPAVE SURFACE COURSE – 12.5 (SSC – 12.5) (OVERLAY) (Item RS02A1)”
“SUPERPAVE SURFACE COURSE – 12.5 (SSC – 12.5) (Item RS02A2)”
- 5-4. Section 01 22 00 – Measurement and Payment
DELETE paragraph 3.45.B.1 in its entirety and **REPLACE** with the following paragraph:
- “1. Payment for bituminous concrete pavements shall be based on the unit price bid for these items in the proposal. Under the unit price for these items, the CONTRACTOR shall furnish all labor, materials, tools, equipment, and incidentals required to complete the work, as shown in the Contract Documents or at the requirements of the ENGINEER. Production placement of Superpave Surface Course – 12.5 HMA to overlay milled roadway areas shall be paid under Item RS02A1 Superpave Surface Course – 12.5 (SSC) (Overlay). All other Superpave Surface Course – 12.5 placement, including for cycle tracks, trench patches, driveways, and other work, shall be paid under Item RS02A2 Superpave Surface Course – 12.5 (SSC). The work includes, but is not limited to, the following, where applicable: saw cutting of existing pavements at the edges of work, excavation and disposal of existing materials to the depths required by the Contract Documents, trimming a fine grading, placement of gravel subbase to the depths indicated in the Contract Documents, raising and resetting existing structures, castings and boxes; installation and compaction of bituminous concrete pavement to the depth and width and in the area specified; hand placement and compaction of bituminous concrete pavement

to provide vehicular transitions between milled and existing pavements and around structures, aprons, sidewalks, driveways and as required; power sweeping; keyways and other jointing between new and existing asphalt; furnishing and placement of tack coat and joint sealants as required; and all incidental work not included for payment elsewhere.”

DRAWINGS

- 5-5. Drawing C-50, Civil, Enlarged Plan, Summer Street and Putnam Street
In the Plan view, **DELETE** the note “23LF 30”-dia PVC SD” and **REPLACE** with “23LF 30”-dia RCP SD”.

RESPONSE TO QUESTIONS

- 5-6. Question 1: Please provide permit pricing and renewal times for the permits listed in Section 01 41 00 – Permits and Regulatory Requirements paragraph 1.2.A.
a. Response 1: For permits listed in paragraph 1.2.A that are issued by the City of Somerville the fee will be waived. The Contractor is responsible for the fee and renewal associated with the MWRA dewatering permit.
- 5-7. Question 2: Per the measurement and payment – Please confirm the temporary paving is incidental to the applicable pipe replacement items (i.e. sewer main and services, drain main and services, and water main and services) and not paid separately.
a. Response 2: Confirmed, payment for temporary pavement for repairing pipe trenches is included in the cost of the applicable pipe item and not paid separately.
- 5-8. Question 3: If temporary pavement is incidental to the applicable pipe items what is the purpose of bid item RS02D – Hot Mix Asphalt for Patching?
a. Response 3: Item RS02D Hot Mix Asphalt for Patching is a contingency item intended for any necessary spot repairs (delamination of milled surfaces, etc.), temporary driveway access, or other as directed by the Owner prior to final paving.
- 5-9. Question 4: It appears that bid item SR03A Pipe – PVC (Gravity) 8-inch sewer has a quantity of 665 feet, however, we only found 350 feet. Please correct the footage for this bid item.
a. Response 4: The quantity of bid item SR03A Pipe – PVC (Gravity) 8-inch has been revised. See Addendum No. 5, Attachment A for the revised Section 00 41 00 – Bid Form.
- 5-10. Question 5: It appears that bid item SD01J Pipe – RCP (Gravity) 30-inch drain has a quantity of 240 feet, however, we only found 24 feet. Please correct the footage for this bid item.
a. Response 5: The quantity of bid item SD01J Pipe – RCP (Gravity) 30-inch has been revised. Note that the bid item numbering for SD01 items has also been revised as noted in Addendum No. 5, Item 5-2. See Addendum No. 5, Attachment A for the revised Section 00 41 00 – Bid Form.
- 5-11. Question 6: On plan sheet C-22 (School Street) the plans call for 200 feet of 30-inch Ductile Iron Drain but there is no bid item. Please provide a bid item for 30” DI Drain.
a. Response 6: A new bid item has been provided for 30” DI Drain. See Addendum No. 5, Attachment A for the revised Section 00 41 00 – Bid Form.
- 5-12. Question 7: It appears the mill and overlay, permanent trench paving, cycle track and driveways are all paid in bid items RS02A, RS02B and RS02C. We kindly request the separate the paving items into the following: Overlay paving, Permanent trench patch, cycle track and HMA driveways. The cost to overlay the road versus permanent pave or install the

cycle track are much less. For this reason, breaking the quantities out to the different pavement methods is typical.

a. Response 7: A new bid item for overlay of milled roadway areas has been created and quantities adjusted accordingly. Refer to Addendum No. 5, Items 5-3 and 5-4. See Addendum No. 5, Attachment A for the revised Section 00 41 00 – Bid Form.

5-13. Question 8: Is the intent to replace all the water services from the main to the property line or only replace non-copper services?

a. For water service replacement, refer to Drawing UG-01, Utility General Notes and Test Pit Schedule, Utility General Notes 8 and 9. Water services to be replaced are also shown on drawings U-01 through U-21.

5-14. Question 9: We kindly request the bid date be extended.

a. Response 9: The bid opening date has been extended. Refer to Addendum No. 4.

5-15. Question 10: Will laydown space and office space be provided by the City?

a. Response 10: As stated at the pre-bid meeting, the City will provide separate office space for the use of the Contractor and Owner's Engineer. The Contractor will be required to fit out the spaces in accordance with the Contract Documents. Laydown space will not be provided by City for the Contractor's use on this project.

END OF ADDENDUM NO. 5

Item No.	Quantity	Unit	Item and Unit Bid Price (Written in Words)	Unit Price (Figure)	Total Price (Figure)
A01	1	Lump Sum	Mobilization and Demobilization AT		
A02	1	Allowance	Police Detail Services AT <u>Five Hundred Thousand Dollars</u>	\$500,000.00	\$500,000.00
A03A	130	Each	Internal Preconstruction Video Building Inspection AT		
A03B	385	Each	External Preconstruction Video Building Inspection AT		
A04	100	Cubic Yard	Additional Exploration and/or Misc Excavation AT		
A05	400	Cubic Yard	Rock Excavation AT		
A06	16	Cubic Yard	Concrete Roadbase Excavation AT		
A07	100	Cubic Yard	Additional Excavation Below Grade AT		
A08	1,400	Ton	Disposal of Soils - <RCS2 AT		
A09	7,000	Ton	Disposal of Soils - Unlined Landfill AT		

A10	2,800	Ton	Disposal of Soils - Lined Landfill AT		
A11	1,400	Ton	Disposal of Soils - Out of State Landfill AT		
A12	1,400	Ton	Disposal of Soils - Out of State Thermal AT		
A13	10	Each	Additional Characterization Testing AT		
A14	3,000	Gallons	Disposal of Contaminated Liquid AT		
A15	30	Day	Treatment of Contaminated Groundwater AT		
A16	1	Allowance	MGL Ch.30 Sec 38A Price Adjustments AT Forty Thousand Dollars	\$40,000.00	\$40,000.00
SR01A	165	Linear Foot	Cured-in-Place Pipeliner - 8-inch Sanitary Sewer AT		
SR01B	255	Linear Foot	Cured-in-Place Pipeliner - 10-inch Sanitary Sewer AT		
SR01C	3,240	Linear Foot	Cured-in-Place Pipeliner - 12-inch Sanitary Sewer AT		
SR01D	760	Linear Foot	Cured-in-Place Pipeliner - 15-inch Sanitary Sewer AT		

SR01E	615	Linear Foot	Cured-in-Place Pipeliner - 18-inch Sanitary Sewer AT		
SR01F	1,050	Linear Foot	Cured-in-Place Pipeliner - 17-inch W x 24-inch H Sanitary Sewer AT		
SR01G	640	Linear Foot	Cured-in-Place Pipeliner - 20-inch Sanitary Sewer AT		
SR01H	305	Linear Foot	Cured-in-Place Pipeliner - 22-inch Sanitary Sewer AT		
SR01I	305	Linear Foot	Cured-in-Place Pipeliner - 24-inch Sanitary Sewer AT		
SR01J	340	Linear Foot	Cured-in-Place Pipeliner - 30-inch W x 24-inch H Sanitary Sewer AT		
SR01K	270	Linear Foot	Cured-in-Place Pipeliner - 30-inch Sanitary Sewer AT		
SR02	22	Each	Sewer Manhole Liner AT		
SR03A	360	Linear Foot	Pipe - PVC (Gravity) 8-Inch Sewer AT		
SR03B	5	Linear Foot	Pipe - PVC (Gravity) 10-Inch Sewer AT		

SR03C	1,090	Linear Foot	Pipe - PVC (Gravity) 12-Inch Sewer AT		
SR03D	240	Linear Foot	Pipe - PVC (Gravity) 15-Inch Sewer AT		
SR03E	300	Linear Foot	Pipe - PVC (Gravity) 18-Inch Sewer AT		
SR03F	60	Linear Foot	Pipe - PVC (Gravity) 21-Inch Sewer AT		
SR03G	165	Linear Foot	Pipe - PVC (Gravity) 24-Inch Sewer AT		
SR03H	16	Linear Foot	Pipe - PVC (Gravity) 30-Inch Sewer AT		
SR04	600	Linear Foot	Pipe - PVC (Gravity) 6-Inch Sewer Lateral (Public) AT		
SR05A	32	Each	Sewer Manhole - Precast 4-ft Diameter AT		
SR05B	2	Each	Sewer Manhole - Precast 5-ft Diameter AT		
SR05C	1	Each	External Drop Sewer Manhole - Precast 4-ft Diameter AT		
SR06	300	Cubic Yard	Controlled Density Fill - Backfill AT		

SR07	100	Cubic Yard	Controlled Density Fill - Pipe Abandon AT		
SR08	54	Each	Demolition or Removal of Lamp Hole, Manhole, Catch Basin or Other Structure AT		
SR09	31	Each	Abandon in Place Manhole, Catch Basin or Other Structure AT		
SR10	570	Linear Foot	Demolition or Removal of Pipe Greater than 24-Inch Diameter AT		
SD01A	470	Linear Foot	Pipe - DI (Gravity) 12-Inch Drain AT		
SD01B	730	Linear Foot	Pipe - DI (Gravity) 16-Inch Drain AT		
<i>SD01C</i>	<i>215</i>	<i>Linear Foot</i>	<i>Pipe - DI (Gravity) 30-Inch Drain</i> <i>AT</i>		
<i>SD01D</i>	10	Linear Foot	Pipe - PVC (Gravity) 8-Inch Drain AT		
<i>SD01E</i>	1,350	Linear Foot	Pipe - PVC (Gravity) 12-Inch Drain AT		
<i>SD01F</i>	6,225	Linear Foot	Pipe - PVC (Gravity) 15-Inch Drain AT		

<i>SD01G</i>	570	Linear Foot	Pipe - PVC (Gravity) 18-Inch Drain AT		
<i>SD01H</i>	25	Linear Foot	Pipe - RCP (Gravity) 15-Inch Drain AT		
<i>SD01I</i>	60	Linear Foot	Pipe - RCP (Gravity) 18-Inch Drain AT		
<i>SD01J</i>	30	Linear Foot	Pipe - RCP (Gravity) 24-Inch Drain AT		
<i>SD01K</i>	55	Linear Foot	Pipe - RCP (Gravity) 30-Inch Drain AT		
<i>SD01L</i>	215	Linear Foot	Pipe - RCP (Gravity) 36-Inch Drain AT		
<i>SD01M</i>	10	Linear Foot	Pipe - RCP (Gravity) 42-Inch Drain AT		
<i>SD01N</i>	110	Linear Foot	Pipe - GRP (Gravity) 42-Inch Drain AT		
SD02	200	Linear Foot	Pipe - PVC (Gravity) 6-Inch Drain Lateral (Public) AT		
SD03A	67	Each	Drain Manhole - Precast 4-ft Diameter AT		
SD03B	3	Each	Drain Manhole - Precast 5-ft Diameter AT		

SD03C	7	Each	Drain Manhole - Precast 6-ft Diameter AT		
SD03D	52	Each	Sump Drain Manhole - Precast 4-ft Diameter AT		
SD03E	17	Each	Sump Drain Manhole - Precast 5-ft Diameter AT		
SD03F	1	Each	Sump Drain Manhole - Relocated Granite Slab and Historical Manhole Cover AT		
SD04A	1	Each	Vault - Precast 4-ft x 4-ft AT		
SD04B	2	Each	Vault - Precast 5-ft x 5-ft AT		
SD05	1	Lump Sum	Diversion Structure 10-ft x 12-ft AT		
SD06A	35	Each	Catch Basin Type 1 - Single Grate AT		
SD06B	7	Each	Catch Basin Type 2 - Double Grate AT		
SD06C	7	Each	Catch Basin Type 3 - Square Single Grate AT		

SD06D	63	Each	Catch Basin Type 5 - Direct Inlet Single Grate AT		
SD06E	13	Each	Catch Basin Type 6 - Direct Inlet Double Grate AT		
SD06F	4	Each	Catch Basin Type 7 - Gutter Mouth Curb Inlet AT		
SD06G	1	Each	Catch Basin - Trench Drain AT		
SD07A	5	Each	Masonry Bulkheads and Plugs 12" through 27" diameter AT		
SD07B	2	Each	Masonry Bulkheads and Plugs Great than 30" diameter AT		
SD08	1	Lump Sum	Bow Street CMH Separation AT		
SD09	27	Each	Illicit Connection Service Lateral Investigation AT		
SD10	1	Lump Sum	Illicit Connection Survey AT		
W1A	11,800	Linear Foot	Temporary Water Bypass 6-inch AT		
W1B	9,400	Linear Foot	Temporary Water Bypass 4-inch AT		

W2A	555	Linear Foot	Pipe - DI (Water) 6-Inch AT		
W2B	2,550	Linear Foot	Pipe - DI (Water) 8-Inch AT		
W2C	5	Linear Foot	Pipe - DI (Water) 10-Inch AT		
W2D	13,565	Linear Foot	Pipe - DI (Water) 12-Inch AT		
W2E	5	Linear Foot	Pipe - DI (Water) 14-Inch AT		
W3	5,000	Pound	Furnish/Install Additional DI Water Main Fittings AT		
W4A	45	Each	6-Inch Gate Valve and Gate Box AT		
W4B	22	Each	8-Inch Gate Valve and Gate Box AT		
W4C	57	Each	12-Inch Gate Valve and Gate Box AT		
W5	43	Each	Hydrant Installation AT		
W6	42	Each	Hydrant Removal AT		

W7A	141	Each	3/4-inch Corporation Stops AT		
W7B	141	Each	1-inch Corporation Stops AT		
W7C	35	Each	1 1/2-inch Corporation Stops AT		
W7D	35	Each	2-inch Corporation Stops AT		
W8A	3,150	Linear Foot	Water Service Replacement - 3/4-inch AT		
W8B	3,150	Linear Foot	Water Service Replacement - 1-inch AT		
W8C	788	Linear Foot	Water Service Replacement - 1 1/2-inch AT		
W8D	788	Linear Foot	Water Service Replacement - 2-inch AT		
W9A	141	Each	3/4-inch Curb Stops and Boxes AT		
W9B	141	Each	1-inch Curb Stops and Boxes AT		
W9C	35	Each	1 1/2-inch Curb Stops and Boxes AT		

W9D	35	Each	2-inch Curb Stops and Boxes AT		
W10	550	Linear Foot	Lead Water Service Replacement, Abatement, and Disposal AT		
W11	1	Allowance	Allowance for Air Valves and Insertion Valves AT Eighty-Four Thousand Dollars	\$84,000.00	\$84,000.00
RS01	32,600	Square Yard	Pavement Milling AT		
RS02A1	3,500	Ton	<i>Superpave Surface Course - 12.5 (Ssc - 12.5) (Overlay)</i> AT		
RS02A2	2,900	Ton	<i>Superpave Surface Course - 12.5 (Ssc - 12.5)</i> AT		
RS02B	5,400	Ton	Superpave Intermediate Course - 19.0 (Sic - 19.0) AT		
RS02C	460	Ton	Superpave Leveling Course - 4.75 (Slc - 4.75) AT		
RS02D	1,000	Ton	Hot Mix Asphalt For Patching AT		
RS03A	7,800	Linear Foot	Curb - Remove & Reset AT		

RS03B	2,380	Linear Foot	Curb - Remove & Discard AT		
RS03C	180	Linear Foot	Granite Curb - 4-In X 16-In. AT		
RS03D	390	Linear Foot	Granite Curb - 6-In X 18-In. - Straight AT		
RS03E	28	Linear Foot	Granite Curb - 6-In X 18-In. - Flush AT		
RS03F	410	Linear Foot	Granite Curb - 6-In X 18-In. - Curved AT		
RS03G	2,720	Linear Foot	Chamfered Granite Curb - 6-In. X 18-In. - Straight AT		
RS03H	190	Linear Foot	Chamfered Granite Curb - 6-In X 18-In. - Curved AT		
RS03I	430	Linear Foot	Granite Curb – 6-In. X 24-In. AT		
RS03J	34	Linear Foot	Granite Curb Notched – 6-In. X 24-In. AT		
RS03K	61	Linear Foot	Granite Curb – 6-In. X 28-In. AT		
RS03L	296	Linear Foot	Granite Curb Notched – 6-In. X 28-In. AT		

RS03M	56	Linear Foot	Chamfered Granite Curb Notched- 6-In. X 28-In. AT		
RS03N	1,280	Linear Foot	Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Straight AT		
RS03O	40	Linear Foot	Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Curved AT		
RS03P	200	Linear Foot	Chamfered Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Straight AT		
RS03Q	60	Linear Foot	Chamfered Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Curved AT		
RS04	34	Linear Foot	Granite Check Dam AT		
RS05A	50	Each	Granite Curb Corner AT		
RS05B	50	Each	Chamfered Granite Curb Transition - 6-In X 18-In AT		
RS06	8,060	Square Yard	Cement Concrete Sidewalks AT		

RS07	2,020	Square Yard	Cement Concrete Driveways AT		
RS08	500	Square Yard	Cement Concrete Pedestrian Curb Ramp AT		
RS09	1,350	Square Foot	Detectable Tile - Cast Iron AT		
RS10	472	Linear Foot	Trapezoidal Delineator Tiles AT		
RS11	2,124	Square Foot	Granite Cobble Paving AT		
RS12A	1,215	Square Foot	Remove and Stockpile Historic Brick Paving AT		
RS12B	275	Square Foot	Brick Paving AT		
RS13A	2,500	Linear Foot	6 Inch Reflectorized White Line (Thermoplastic) AT		
RS13B	4,500	Linear Foot	12 Inch Reflectorized White Line (Thermoplastic) AT		
RS13C	3,100	Linear Foot	6 Inch Reflectorized Yellow Line (Thermoplastic) AT		

RS14	1,600	Square Foot	Pavement Arrows And Legends Reflectorized White (Thermoplastic) AT		
RS15A	14,000	Square Foot	High Friction Green Surface Treatment AT		
RS15B	1,400	Square Foot	High Friction Red Surface Treatment AT		
RS16	800	Square Foot	Warning and Regulatory Signs AT		
RS17A	1	Lump Sum	Traffic Signal Improvements (Central at Summer) AT		
RS17B	1	Lump Sum	Traffic Signal Improvements (School at Summer) AT		
RS18	1	Lump Sum	Lighting Improvements AT		
LG01	7	Day	Individual Tree Pruning AT		
LG02	11	Each	Individual Tree Removal - Diameter Under 15" AT		
LG03	4	Each	Stump Removal AT		

LG04	220	Each	Individual Tree Air Spading AT		
LG05	364	Square Foot	Permeable Unit Pavers AT		
LG06	1	Each	Permeable Unit Paving Infiltration Testing AT		
LG07	550	Square Foot	Flexible Porous Pavement AT		
LG08A	100	Linear Foot	Pipe - PVC (Gravity) 10-inch GSI AT		
LG08B	22	Linear Foot	Pipe - PVC (Gravity) 12-inch GSI AT		
LG08C	17	Each	PVC Cleanout AT		
LG09	900	Linear Foot	Pipe - HDPE (Gravity) 6-inch Perforated GSI AT		
LG10	3	Each	Stormwater Control Manhole AT		
LG11	9	Each	Overflow Structure W/ Domed Grate AT		
LG12	1	Each	Sump Basin Inlet Structure AT		

LG13	16	Each	Observation Well AT		
LG14	11	Each	Anti-Seep Collar AT		
LG15	30	Each	Trench Dam with Split Sleeve AT		
LG16	7	Cubic Yard	Stone Dissipator AT		
LG17	16	Each	Metal Inlet or Metal Outlet AT		
LG18	8	Linear Foot	Inlet and Channel W/ Metal Grate AT		
LG19	520	Cubic Yard	3/4-Inch Double-Washed Crushed Stone AT		
LG20	30	Cubic Yard	Pea Stone AT		
LG21	1,885	Square Yard	Geotextile Fabric For Subsurface Drainage AT		
LG22	215	Square Foot	Impermeable Liner AT		
LG23	13	Each	Subgrade Soil Infiltration Testing AT		

LG24A	10	Each	Remove And Stack Street Furniture AT		
LG24B	8	Each	Bench AT		
LG24C	29	Each	Bicycle Rack AT		
LG24D	5	Each	Trash Receptacle AT		
LG24E	5	Each	Recycling Receptacle AT		
LG24F	2	Each	Trash And Recycling Station AT		
LG24G	5	Each	Granite Bollard AT		
LG24H	2	Each	Surface-Mounted Steel Bollard AT		
LG24I	20	Linear Foot	42" Ht. Railing AT		
LG24J	1	Each	Park Sign AT		
LG25	4	Each	Reset Historic Granite Post AT		

LG26	110	Linear Foot	Tree Pit Edge Restraint AT		
LG27	4	Each	Granite Planter Curb Ends - 6-in x 6-in x 18-in AT		
LG28A	1,511	Cubic Yard	Planting Soil AT		
LG28B	210	Cubic Yard	Bioretention Basin Soil AT		
LG29	735	Cubic Yard	Structural Planting Medium AT		
LG30A	8	Each	Grey Dogwood #3 AT		
LG30B	18	Each	Dwarf Fothergilla #3 AT		
LG30C	72	Each	Sumac - Fragrant 'Gro-Low' #2 AT		
LG30D	284	Each	Allegheny Spurge - 1 gal AT		
LG30E	98	Each	Wild Ginger - 1 gal AT		
LG30F	323	Each	Common Rush - 1 gal AT		

LG30G	144	Each	Soft Rush - 1 gal AT		
LG30H	1,202	Each	Sedge Pennsylvania - 1 gal AT		
LG30I	498	Each	Little Bluestem - 1 gal AT		
LG30J	36	Each	Blue Vervain - 1 gal AT		
LG30K	1,521	Each	Purple Lovegrass - 1 gal AT		
LG30L	299	Each	Switchgrass - 1 gal AT		
LG30M	216	Each	Crinkled Hairgrass - 1 gal AT		
LG30N	286	Each	Black-Eyed Susan 'Goldstrum' - 1 gal AT		
LG30O	129	Each	Butterfly Milkweed - 1 gal AT		
LG30P	181	Each	Lady Fern - 1 gal AT		
LG30Q	290	Each	Foamflower - 1 gal AT		

LG30R	372	Each	Golden Alexanders - 1 gal AT		
LG30S	74	Each	Ironweed 'Iron Butterfly' - 1 gal AT		
LG30T	312	Each	White Wood Aster - 1 gal AT		
LG30U	85	Each	Smooth Aster 'Bluebird' - 1 gal AT		
LG30V	121	Each	Purple Coneflower - 1 gal AT		
LG30W	90	Each	Purple Coneflower 'Kim's Knee High' - 1 gal AT		
LG30X	1	Lump Sum	Watering Landscaping Planting During 2-year Guarantee Period AT		
LG31A	1	Each	Elm - American 'Princeton' - 3" Caliper AT		
LG31B	1	Each	Hackberry - 3" Caliper AT		
LG31C	47	Each	American Hornbeam - 3" Caliper AT		

LG31D	39	Each	American Hophornbeam - 3" Caliper AT		
LG31E	3	Each	Linden-American 'Sentry' - 3" Caliper AT		
LG31F	4	Each	Black Oak - 3" Caliper AT		
LG31G	3	Each	Chestnut Oak - 3" Caliper AT		
LG31H	3	Each	Pin Oak - 3" Caliper AT		
LG31I	2	Each	Sweetgum 'Rotundiloba' - 3" Caliper AT		
LG31J	4	Each	Shingle Oak - 3" Caliper AT		
LG31K	3	Each	Oak-Swamp White Oak - 3" Caliper AT		
LG31L	3	Each	Planetree - London 'Bloodgood' - 3" Caliper AT		
LG31M	26	Each	Black Gum - 3" Caliper AT		
LG31N	2	Each	Kentucky Coffeetree 'Espresso' - 3" Caliper AT		

LG31O	18	Each	Eastern Redbud - 3" Caliper AT		
LG31P	1	Each	Maple - Red 'Armstrong' - 3" Caliper AT		
LG31Q	24	Each	Serviceberry 'Autumn Brilliance' - 10' Ht, Single Stem AT		
LG31R	1	Lump Sum	Watering Tree Planting During 2-Year Guarantee Period AT		
LG32	75	Cubic Yard	Mulch AT		
LG33	1	Lump Sum	Irrigation System AT		

BID FORM (Cont'd)

TOTAL AMOUNT OF BID ITEMS A01 THROUGH LG33 INCLUSIVE: \$ _____

Written in Words: _____ Dollars

and _____ Cents

Item No.	Quantity	Unit	Item and Unit Bid Price (Written in Words)	Unit Price (Figure)	Total Price (Figure)
A01	1	Lump Sum	Mobilization and Demobilization AT		
A02	1	Allowance	Police Detail Services AT <u>Five Hundred Thousand Dollars</u>	\$500,000.00	\$500,000.00
A03A	130	Each	Internal Preconstruction Video Building Inspection AT		
A03B	385	Each	External Preconstruction Video Building Inspection AT		
A04	100	Cubic Yard	Additional Exploration and/or Misc Excavation AT		
A05	400	Cubic Yard	Rock Excavation AT		
A06	16	Cubic Yard	Concrete Roadbase Excavation AT		
A07	100	Cubic Yard	Additional Excavation Below Grade AT		
A08	1,400	Ton	Disposal of Soils - <RCS2 AT		
A09	7,000	Ton	Disposal of Soils - Unlined Landfill AT		

A10	2,800	Ton	Disposal of Soils - Lined Landfill AT		
A11	1,400	Ton	Disposal of Soils - Out of State Landfill AT		
A12	1,400	Ton	Disposal of Soils - Out of State Thermal AT		
A13	10	Each	Additional Characterization Testing AT		
A14	3,000	Gallons	Disposal of Contaminated Liquid AT		
A15	30	Day	Treatment of Contaminated Groundwater AT		
A16	1	Allowance	MGL Ch.30 Sec 38A Price Adjustments AT Forty Thousand Dollars	\$40,000.00	\$40,000.00
SR01A	165	Linear Foot	Cured-in-Place Pipeliner - 8-inch Sanitary Sewer AT		
SR01B	255	Linear Foot	Cured-in-Place Pipeliner - 10-inch Sanitary Sewer AT		
SR01C	3,240	Linear Foot	Cured-in-Place Pipeliner - 12-inch Sanitary Sewer AT		
SR01D	760	Linear Foot	Cured-in-Place Pipeliner - 15-inch Sanitary Sewer AT		

SR01E	615	Linear Foot	Cured-in-Place Pipeliner - 18-inch Sanitary Sewer AT		
SR01F	1,050	Linear Foot	Cured-in-Place Pipeliner - 17-inch W x 24-inch H Sanitary Sewer AT		
SR01G	640	Linear Foot	Cured-in-Place Pipeliner - 20-inch Sanitary Sewer AT		
SR01H	305	Linear Foot	Cured-in-Place Pipeliner - 22-inch Sanitary Sewer AT		
SR01I	305	Linear Foot	Cured-in-Place Pipeliner - 24-inch Sanitary Sewer AT		
SR01J	340	Linear Foot	Cured-in-Place Pipeliner - 30-inch W x 24-inch H Sanitary Sewer AT		
SR01K	270	Linear Foot	Cured-in-Place Pipeliner - 30-inch Sanitary Sewer AT		
SR02	22	Each	Sewer Manhole Liner AT		
SR03A	360	Linear Foot	Pipe - PVC (Gravity) 8-Inch Sewer AT		
SR03B	5	Linear Foot	Pipe - PVC (Gravity) 10-Inch Sewer AT		

SR03C	1,090	Linear Foot	Pipe - PVC (Gravity) 12-Inch Sewer AT		
SR03D	240	Linear Foot	Pipe - PVC (Gravity) 15-Inch Sewer AT		
SR03E	300	Linear Foot	Pipe - PVC (Gravity) 18-Inch Sewer AT		
SR03F	60	Linear Foot	Pipe - PVC (Gravity) 21-Inch Sewer AT		
SR03G	165	Linear Foot	Pipe - PVC (Gravity) 24-Inch Sewer AT		
SR03H	16	Linear Foot	Pipe - PVC (Gravity) 30-Inch Sewer AT		
SR04	600	Linear Foot	Pipe - PVC (Gravity) 6-Inch Sewer Lateral (Public) AT		
SR05A	32	Each	Sewer Manhole - Precast 4-ft Diameter AT		
SR05B	2	Each	Sewer Manhole - Precast 5-ft Diameter AT		
SR05C	1	Each	External Drop Sewer Manhole - Precast 4-ft Diameter AT		
SR06	300	Cubic Yard	Controlled Density Fill - Backfill AT		

SR07	100	Cubic Yard	Controlled Density Fill - Pipe Abandon AT		
SR08	54	Each	Demolition or Removal of Lamp Hole, Manhole, Catch Basin or Other Structure AT		
SR09	31	Each	Abandon in Place Manhole, Catch Basin or Other Structure AT		
SR10	570	Linear Foot	Demolition or Removal of Pipe Greater than 24-Inch Diameter AT		
SD01A	470	Linear Foot	Pipe - DI (Gravity) 12-Inch Drain AT		
SD01B	730	Linear Foot	Pipe - DI (Gravity) 16-Inch Drain AT		
<i>SD01C</i>	<i>215</i>	<i>Linear Foot</i>	<i>Pipe - DI (Gravity) 30-Inch Drain</i> <i>AT</i>		
<i>SD01D</i>	10	Linear Foot	Pipe - PVC (Gravity) 8-Inch Drain AT		
<i>SD01E</i>	1,350	Linear Foot	Pipe - PVC (Gravity) 12-Inch Drain AT		
<i>SD01F</i>	6,225	Linear Foot	Pipe - PVC (Gravity) 15-Inch Drain AT		

<i>SD01G</i>	570	Linear Foot	Pipe - PVC (Gravity) 18-Inch Drain AT		
<i>SD01H</i>	25	Linear Foot	Pipe - RCP (Gravity) 15-Inch Drain AT		
<i>SD01I</i>	60	Linear Foot	Pipe - RCP (Gravity) 18-Inch Drain AT		
<i>SD01J</i>	30	Linear Foot	Pipe - RCP (Gravity) 24-Inch Drain AT		
<i>SD01K</i>	55	Linear Foot	Pipe - RCP (Gravity) 30-Inch Drain AT		
<i>SD01L</i>	215	Linear Foot	Pipe - RCP (Gravity) 36-Inch Drain AT		
<i>SD01M</i>	10	Linear Foot	Pipe - RCP (Gravity) 42-Inch Drain AT		
<i>SD01N</i>	110	Linear Foot	Pipe - GRP (Gravity) 42-Inch Drain AT		
SD02	200	Linear Foot	Pipe - PVC (Gravity) 6-Inch Drain Lateral (Public) AT		
SD03A	67	Each	Drain Manhole - Precast 4-ft Diameter AT		
SD03B	3	Each	Drain Manhole - Precast 5-ft Diameter AT		

SD03C	7	Each	Drain Manhole - Precast 6-ft Diameter AT		
SD03D	52	Each	Sump Drain Manhole - Precast 4-ft Diameter AT		
SD03E	17	Each	Sump Drain Manhole - Precast 5-ft Diameter AT		
SD03F	1	Each	Sump Drain Manhole - Relocated Granite Slab and Historical Manhole Cover AT		
SD04A	1	Each	Vault - Precast 4-ft x 4-ft AT		
SD04B	2	Each	Vault - Precast 5-ft x 5-ft AT		
SD05	1	Lump Sum	Diversion Structure 10-ft x 12-ft AT		
SD06A	35	Each	Catch Basin Type 1 - Single Grate AT		
SD06B	7	Each	Catch Basin Type 2 - Double Grate AT		
SD06C	7	Each	Catch Basin Type 3 - Square Single Grate AT		

SD06D	63	Each	Catch Basin Type 5 - Direct Inlet Single Grate AT		
SD06E	13	Each	Catch Basin Type 6 - Direct Inlet Double Grate AT		
SD06F	4	Each	Catch Basin Type 7 - Gutter Mouth Curb Inlet AT		
SD06G	1	Each	Catch Basin - Trench Drain AT		
SD07A	5	Each	Masonry Bulkheads and Plugs 12" through 27" diameter AT		
SD07B	2	Each	Masonry Bulkheads and Plugs Great than 30" diameter AT		
SD08	1	Lump Sum	Bow Street CMH Separation AT		
SD09	27	Each	Illicit Connection Service Lateral Investigation AT		
SD10	1	Lump Sum	Illicit Connection Survey AT		
W1A	11,800	Linear Foot	Temporary Water Bypass 6-inch AT		
W1B	9,400	Linear Foot	Temporary Water Bypass 4-inch AT		

W2A	555	Linear Foot	Pipe - DI (Water) 6-Inch AT		
W2B	2,550	Linear Foot	Pipe - DI (Water) 8-Inch AT		
W2C	5	Linear Foot	Pipe - DI (Water) 10-Inch AT		
W2D	13,565	Linear Foot	Pipe - DI (Water) 12-Inch AT		
W2E	5	Linear Foot	Pipe - DI (Water) 14-Inch AT		
W3	5,000	Pound	Furnish/Install Additional DI Water Main Fittings AT		
W4A	45	Each	6-Inch Gate Valve and Gate Box AT		
W4B	22	Each	8-Inch Gate Valve and Gate Box AT		
W4C	57	Each	12-Inch Gate Valve and Gate Box AT		
W5	43	Each	Hydrant Installation AT		
W6	42	Each	Hydrant Removal AT		

W7A	141	Each	3/4-inch Corporation Stops AT		
W7B	141	Each	1-inch Corporation Stops AT		
W7C	35	Each	1 1/2-inch Corporation Stops AT		
W7D	35	Each	2-inch Corporation Stops AT		
W8A	3,150	Linear Foot	Water Service Replacement - 3/4-inch AT		
W8B	3,150	Linear Foot	Water Service Replacement - 1-inch AT		
W8C	788	Linear Foot	Water Service Replacement - 1 1/2-inch AT		
W8D	788	Linear Foot	Water Service Replacement - 2-inch AT		
W9A	141	Each	3/4-inch Curb Stops and Boxes AT		
W9B	141	Each	1-inch Curb Stops and Boxes AT		
W9C	35	Each	1 1/2-inch Curb Stops and Boxes AT		

W9D	35	Each	2-inch Curb Stops and Boxes AT		
W10	550	Linear Foot	Lead Water Service Replacement, Abatement, and Disposal AT		
W11	1	Allowance	Allowance for Air Valves and Insertion Valves AT Eighty-Four Thousand Dollars	\$84,000.00	\$84,000.00
RS01	32,600	Square Yard	Pavement Milling AT		
RS02A1	3,500	Ton	<i>Superpave Surface Course - 12.5 (Ssc - 12.5) (Overlay)</i> AT		
RS02A2	2,900	Ton	<i>Superpave Surface Course - 12.5 (Ssc - 12.5)</i> AT		
RS02B	5,400	Ton	Superpave Intermediate Course - 19.0 (Sic - 19.0) AT		
RS02C	460	Ton	Superpave Leveling Course - 4.75 (Slc - 4.75) AT		
RS02D	1,000	Ton	Hot Mix Asphalt For Patching AT		
RS03A	7,800	Linear Foot	Curb - Remove & Reset AT		

RS03B	2,380	Linear Foot	Curb - Remove & Discard AT		
RS03C	180	Linear Foot	Granite Curb - 4-In X 16-In. AT		
RS03D	390	Linear Foot	Granite Curb - 6-In X 18-In. - Straight AT		
RS03E	28	Linear Foot	Granite Curb - 6-In X 18-In. - Flush AT		
RS03F	410	Linear Foot	Granite Curb - 6-In X 18-In. - Curved AT		
RS03G	2,720	Linear Foot	Chamfered Granite Curb - 6-In. X 18-In. - Straight AT		
RS03H	190	Linear Foot	Chamfered Granite Curb - 6-In X 18-In. - Curved AT		
RS03I	430	Linear Foot	Granite Curb – 6-In. X 24-In. AT		
RS03J	34	Linear Foot	Granite Curb Notched – 6-In. X 24-In. AT		
RS03K	61	Linear Foot	Granite Curb – 6-In. X 28-In. AT		
RS03L	296	Linear Foot	Granite Curb Notched – 6-In. X 28-In. AT		

RS03M	56	Linear Foot	Chamfered Granite Curb Notched- 6-In. X 28-In. AT		
RS03N	1,280	Linear Foot	Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Straight AT		
RS03O	40	Linear Foot	Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Curved AT		
RS03P	200	Linear Foot	Chamfered Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Straight AT		
RS03Q	60	Linear Foot	Chamfered Granite Transition Curb for Curb Ramps - 6-In. X 18-In - Curved AT		
RS04	34	Linear Foot	Granite Check Dam AT		
RS05A	50	Each	Granite Curb Corner AT		
RS05B	50	Each	Chamfered Granite Curb Transition - 6-In X 18-In AT		
RS06	8,060	Square Yard	Cement Concrete Sidewalks AT		

RS07	2,020	Square Yard	Cement Concrete Driveways AT		
RS08	500	Square Yard	Cement Concrete Pedestrian Curb Ramp AT		
RS09	1,350	Square Foot	Detectable Tile - Cast Iron AT		
RS10	472	Linear Foot	Trapezoidal Delineator Tiles AT		
RS11	2,124	Square Foot	Granite Cobble Paving AT		
RS12A	1,215	Square Foot	Remove and Stockpile Historic Brick Paving AT		
RS12B	275	Square Foot	Brick Paving AT		
RS13A	2,500	Linear Foot	6 Inch Reflectorized White Line (Thermoplastic) AT		
RS13B	4,500	Linear Foot	12 Inch Reflectorized White Line (Thermoplastic) AT		
RS13C	3,100	Linear Foot	6 Inch Reflectorized Yellow Line (Thermoplastic) AT		

RS14	1,600	Square Foot	Pavement Arrows And Legends Reflectorized White (Thermoplastic) AT		
RS15A	14,000	Square Foot	High Friction Green Surface Treatment AT		
RS15B	1,400	Square Foot	High Friction Red Surface Treatment AT		
RS16	800	Square Foot	Warning and Regulatory Signs AT		
RS17A	1	Lump Sum	Traffic Signal Improvements (Central at Summer) AT		
RS17B	1	Lump Sum	Traffic Signal Improvements (School at Summer) AT		
RS18	1	Lump Sum	Lighting Improvements AT		
LG01	7	Day	Individual Tree Pruning AT		
LG02	11	Each	Individual Tree Removal - Diameter Under 15" AT		
LG03	4	Each	Stump Removal AT		

LG04	220	Each	Individual Tree Air Spading AT		
LG05	364	Square Foot	Permeable Unit Pavers AT		
LG06	1	Each	Permeable Unit Paving Infiltration Testing AT		
LG07	550	Square Foot	Flexible Porous Pavement AT		
LG08A	100	Linear Foot	Pipe - PVC (Gravity) 10-inch GSI AT		
LG08B	22	Linear Foot	Pipe - PVC (Gravity) 12-inch GSI AT		
LG08C	17	Each	PVC Cleanout AT		
LG09	900	Linear Foot	Pipe - HDPE (Gravity) 6-inch Perforated GSI AT		
LG10	3	Each	Stormwater Control Manhole AT		
LG11	9	Each	Overflow Structure W/ Domed Grate AT		
LG12	1	Each	Sump Basin Inlet Structure AT		

LG13	16	Each	Observation Well AT		
LG14	11	Each	Anti-Seep Collar AT		
LG15	30	Each	Trench Dam with Split Sleeve AT		
LG16	7	Cubic Yard	Stone Dissipator AT		
LG17	16	Each	Metal Inlet or Metal Outlet AT		
LG18	8	Linear Foot	Inlet and Channel W/ Metal Grate AT		
LG19	520	Cubic Yard	3/4-Inch Double-Washed Crushed Stone AT		
LG20	30	Cubic Yard	Pea Stone AT		
LG21	1,885	Square Yard	Geotextile Fabric For Subsurface Drainage AT		
LG22	215	Square Foot	Impermeable Liner AT		
LG23	13	Each	Subgrade Soil Infiltration Testing AT		

LG24A	10	Each	Remove And Stack Street Furniture AT		
LG24B	8	Each	Bench AT		
LG24C	29	Each	Bicycle Rack AT		
LG24D	5	Each	Trash Receptacle AT		
LG24E	5	Each	Recycling Receptacle AT		
LG24F	2	Each	Trash And Recycling Station AT		
LG24G	5	Each	Granite Bollard AT		
LG24H	2	Each	Surface-Mounted Steel Bollard AT		
LG24I	20	Linear Foot	42" Ht. Railing AT		
LG24J	1	Each	Park Sign AT		
LG25	4	Each	Reset Historic Granite Post AT		

LG26	110	Linear Foot	Tree Pit Edge Restraint AT		
LG27	4	Each	Granite Planter Curb Ends - 6-in x 6-in x 18-in AT		
LG28A	1,511	Cubic Yard	Planting Soil AT		
LG28B	210	Cubic Yard	Bioretention Basin Soil AT		
LG29	735	Cubic Yard	Structural Planting Medium AT		
LG30A	8	Each	Grey Dogwood #3 AT		
LG30B	18	Each	Dwarf Fothergilla #3 AT		
LG30C	72	Each	Sumac - Fragrant 'Gro-Low' #2 AT		
LG30D	284	Each	Allegheny Spurge - 1 gal AT		
LG30E	98	Each	Wild Ginger - 1 gal AT		
LG30F	323	Each	Common Rush - 1 gal AT		

LG30G	144	Each	Soft Rush - 1 gal AT		
LG30H	1,202	Each	Sedge Pennsylvania - 1 gal AT		
LG30I	498	Each	Little Bluestem - 1 gal AT		
LG30J	36	Each	Blue Vervain - 1 gal AT		
LG30K	1,521	Each	Purple Lovegrass - 1 gal AT		
LG30L	299	Each	Switchgrass - 1 gal AT		
LG30M	216	Each	Crinkled Hairgrass - 1 gal AT		
LG30N	286	Each	Black-Eyed Susan 'Goldstrum' - 1 gal AT		
LG30O	129	Each	Butterfly Milkweed - 1 gal AT		
LG30P	181	Each	Lady Fern - 1 gal AT		
LG30Q	290	Each	Foamflower - 1 gal AT		

LG30R	372	Each	Golden Alexanders - 1 gal AT		
LG30S	74	Each	Ironweed 'Iron Butterfly' - 1 gal AT		
LG30T	312	Each	White Wood Aster - 1 gal AT		
LG30U	85	Each	Smooth Aster 'Bluebird' - 1 gal AT		
LG30V	121	Each	Purple Coneflower - 1 gal AT		
LG30W	90	Each	Purple Coneflower 'Kim's Knee High' - 1 gal AT		
LG30X	1	Lump Sum	Watering Landscaping Planting During 2-year Guarantee Period AT		
LG31A	1	Each	Elm - American 'Princeton' - 3" Caliper AT		
LG31B	1	Each	Hackberry - 3" Caliper AT		
LG31C	47	Each	American Hornbeam - 3" Caliper AT		

LG31D	39	Each	American Hophornbeam - 3" Caliper AT		
LG31E	3	Each	Linden-American 'Sentry' - 3" Caliper AT		
LG31F	4	Each	Black Oak - 3" Caliper AT		
LG31G	3	Each	Chestnut Oak - 3" Caliper AT		
LG31H	3	Each	Pin Oak - 3" Caliper AT		
LG31I	2	Each	Sweetgum 'Rotundiloba' - 3" Caliper AT		
LG31J	4	Each	Shingle Oak - 3" Caliper AT		
LG31K	3	Each	Oak-Swamp White Oak - 3" Caliper AT		
LG31L	3	Each	Planetree - London 'Bloodgood' - 3" Caliper AT		
LG31M	26	Each	Black Gum - 3" Caliper AT		
LG31N	2	Each	Kentucky Coffeetree 'Espresso' - 3" Caliper AT		

LG31O	18	Each	Eastern Redbud - 3" Caliper AT		
LG31P	1	Each	Maple - Red 'Armstrong' - 3" Caliper AT		
LG31Q	24	Each	Serviceberry 'Autumn Brilliance' - 10' Ht, Single Stem AT		
LG31R	1	Lump Sum	Watering Tree Planting During 2-Year Guarantee Period AT		
LG32	75	Cubic Yard	Mulch AT		
LG33	1	Lump Sum	Irrigation System AT		

BID FORM (Cont'd)

TOTAL AMOUNT OF BID ITEMS A01 THROUGH LG33 INCLUSIVE: \$ _____

Written in Words: _____ Dollars

and _____ Cents