

## **ADDENDUM NO. 1**

**Issued February 22, 2018  
Bid No. 45-18**

### **CITY OF PORTSMOUTH, NH**

#### **Improvements to Maplewood Avenue & Adjacent Areas**

This Addendum forms part of the original document marked “**Contract Documents and Specifications for Improvements to Maplewood Avenue & Adjacent Areas, Bid # 45-18.**”

1. Pre-Bid Meeting Notes:

- a. Pre-Bid Meeting Notes (Attachment A) and the information provided within are included in the Contract Documents by this Addendum No. 1.
- b. The mandatory pre-bid meeting attendees list is included with the Meeting Notes.

2. **Add** the attached Table A and Table B after page 00331-2.

3. Page 01110-13, **Replace** Section 3.28.A with the following:

- A. The Contractor will endeavor to prevent damage to all trees that are designated to remain. Tree limbs that impede normal construction operations will be removed as described in the Pre-Bid meeting agenda. Trees to be removed are shown on the drawings. Additional limb or tree removal is subject to Owner approval. A penalty will be assessed to the Contractor for damage to trees as follows:
  - Limbs damaged following trimming: \$100/limb (in addition limbs will require further trimming by Contractor as directed)
  - Tree bark or surface scarring: \$10/sq. in. of impact area (\$100 MIN. and \$1000 MAX.)
  - In addition, Contractor shall remove trees that are, in the opinion of the Owner, significantly altered or cosmetically impaired or terminally damaged by the Contractor at no cost to the City. The Contractor shall be responsible for the value of the tree as determined by the Engineer.

4. Page E-151, **Add** the following sentence to the end of Paragraph 1.4:

Refer to Paragraph 3.28.A in Section 01110 for additional information.

5. Page E-152, **Revise** the last paragraph with the heading “Tree Damage” as follows [deleted text has a ~~striketrough~~ and inserted text is underlined]:

The Contractor shall be held responsible for the health and survival of the existing trees in the immediate vicinity of the of the construction area. Damage that, in the Engineer's opinion, can be remedied by corrective measures shall be repaired immediately. Broken limbs shall be pruned according to industry standards. Wounds shall not be painted. Trees or shrubs that are damaged irreparably shall, at the Engineer's discretion, be replaced. ~~Cost of replacement trees shall be borne by the Contractor.~~ Refer to Paragraph 3.28.A in Section 01110 for additional information.

All else remains unchanged.

Please acknowledge this addendum within your proposal. Failure to do so may subject a proposer to disqualification.

End of Addendum #1

# TABLE A TELEVISION INSPECTION SUMMARY

Maplewood Ave Area Sewer Design - Portsmouth NH

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
BEECHWOOD ST	1	082	1	081	PVC	8	179	179	13	288	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	033	SVC	10	0	0						
	043	SVC	02	0	0						
	126	SVC	02	0	0						
	131	SVC	02	0	0						
	158	SVC	02	288	0						
	179	END TV		0	0	DOWNSTREAM MH 81					
	179	GREASE		0	0	GREASE PRESENT IN MH 81					
<b>Street</b>	<b>Start Subarea</b>	<b>Start Manhole</b>	<b>End Subarea</b>	<b>End Manhole</b>	<b>Pipe Material</b>	<b>Pipe Diameter (in)</b>	<b>Pipe Length (ft)</b>	<b>TV Pipe Length (ft)</b>	<b>Joint Spacing (ft)</b>	<b>Total Infiltration (gpd)</b>	<b>Overall Pipe Rating</b>
BEECHWOOD ST	1	082	1	083	PVC	8	181	181	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	001	SVC	10	0	0						
	044	SVC	10	0	0						
	074	SAG START		0	0	LIGHT SAG					
	081	SAG END		0	0						
	082	SVC	02	0	0						
	129	SAG START		0	0	MODERATE SAG					
	181	END TV		0	0	UPSTREAM MH 83					
<b>Street</b>	<b>Start Subarea</b>	<b>Start Manhole</b>	<b>End Subarea</b>	<b>End Manhole</b>	<b>Pipe Material</b>	<b>Pipe Diameter (in)</b>	<b>Pipe Length (ft)</b>	<b>TV Pipe Length (ft)</b>	<b>Joint Spacing (ft)</b>	<b>Total Infiltration (gpd)</b>	<b>Overall Pipe Rating</b>
CENTRAL AVE	1	084	1	083	PVC	8	202	202	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	006	SVC	09	0	0						
	161	PIPEDEFORM STAR	12	0	0	MODERATE PIPE DEFORMATION					
	202	END TV		0	0	OUTSIDE DROP TO MH 83					

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
CENTRAL AVE	1	085	1	083	PVC	8	224	224	13	0	2
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
057	SVC	03	0	0							
060	SVC	03	0	0							
082	SAG START		0	0	LIGHT SAG						
085	SVC	10	0	0							
087	SAG END		0	0							
156	SVC	10	0	0	ACTIVE						
218	SAG START		0	0	MODERATE SAG						
224	END TV		0	0	DOWNSTREAM MH 83						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
CENTRAL AVE	1	086	1	085	PVC	8	31	31	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
003	SVC	02	0	0							
024	GREASE	05	0	0	MODERATE GREASE BUILDUP						
025	SVC	09	0	0	CUT IN SERVICE						
031	END TV		0	0	DOWNSTREAM MH 85						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
CENTRAL AVE	1	086	1	086	SOU VC	6	13	1	3	0	4
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	BRKP	09	0	0	BROKEN PIPE WITH SOIL EXPOSED						
001	END TV		0	0	ABANDONED DUE TO PIPE CHANGE						
001	PIPECHG		0	0	PIPE CHANGED FROM 6" TO 4"						
001	RTS		0	0	LIGHT ROOTS AT JOINT						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
CUTTS ST	1	2135	1	074	PVC	8	65	65	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
017	SVC	03	0	0							
065	END TV		0		DOWNSTREAM MH 74						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
CUTTS ST	1	2136	1	2135	PVC	8	163	163	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
001	SVC	09	0	0							
007	SVC	10	0	0							
073	SVC	02	0	0							
111	SVC	10	0	0							
114	SVC	10	0	144							
163	END TV		0	0	DOWNSTREAM MH 2135						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
FAIRVIEW DR	1	763	1	762	VC	12	157	157	3	0	2
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
071	SAG START		0	0	MODERATE SAG						
078	SAG END		0	0							
136	RTS	02	0	0	LIGHT ROOTS AT JOINT						
154	RTS	12	0	0	MODERATE ROOTS AT JOINT						
157	END TV		0	0	DOWNSTREAM MH 762						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
FAIRVIEW DR	1	763 EAS	1	763	VC	8	428	285	3	0	3

Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden.	SVC Flow (gpd)	Defect Comments
014	BRKP	03	0	0		SOIL EXPOSED
015	SAG START		0	0		
029	SAG END		0	0		
048	SAG START		0	0		
068	SVC	03	0	0		
068	SVC	09	0	0		
073	SAG END		0	0		
106	PIPE RPR START		0	0		
148	PROTSVC	09	0	0		
153	SVC	03	0	0		
153	SVC	09	0	0		CAPPED SERVICE
173	SVC	12	0	0		
178	PIPEDEFORM END		0	0		
199	SVC	10	0	0		
204	SVC	03	0	0		
204	SVC	09	0	0		
230	OTHER		0	0		OLD MH / NOT ON MAP
234	BRKP	03	0	0		BROKEN PIPE
251	PIPECHG		0	0		PIPE CHANGES FROM PVC TO VC
253	PIPECHG		0	0		PIPE CHANGES FROM VC TO PVC
257	SVC	12	0	0		COLLAPSED SERVICE
262	SVC	03	0	0		MODERATE ROOTS IN SERVICE
262	SVC	09	0	0		CAPPED SERVICE
270	RTS		0	0		LIGHT ROOTS IN JOINT
274	RTS	08	0	0		LIGHT ROOTS IN JOINT
282	RTS	09	0	0		MODERATE ROOTS
282	RTS	09	0	0		MODERATE ROOTS
285	END TV		0	0		ABANDONED DUE TO PIPE CHANGE
285	PIPECHG		0	0		PIPE CHANGES FROM 10" TO 6"

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	078	1	073	PVC	8	152	152	13	0	1
	Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments					
	100	SVC	01	0	0						
	152	END TV		0	0	DOWNSTREAM MH 73					
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	1024	1	1028	VC	8	210	22	3	0	4
	Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments					
	000	BRKP		0	0	BROKEN PIPE WITH SOIL EXPOSED					
	002	OFSTJT		0	0	MODERATE OFFSET JOINT					
	014	SVC	03	0	0						
	022	END TV		0	0	ABANDONED DUE TO PROTRUDING SERVICE					
	022	PROTSVC	09	0	0						
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	1025	1	080	VC	8	484	4	3	0	4
	Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments					
	001	PIPECHG		0	0	PIPE CHANGED FROM VC TO PVC WITH LARGE OFFSET					
	004	END TV		0	0	ABANDONED DUE TO LARGE OFFSET					
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	2133	1	078	PVC	8	75	75	13	0	1
	Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments					
	031	SVC	10	0	0						
	035	SVC	03	0	0						
	036	SVC	03	0	0						
	075	END TV		0	0	DOWNSTREAM MH 78					

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	2133	1	079	PVC	8	117	117	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
041	SVC	12	0	0							
051	SVC	02	0	0	CAPPED SERVICE						
068	SVC	10	0	0							
072	SVC	10	0	0							
117	END TV		0	0	UPSTREAM MH 79						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	2140	1	2140	SOU VC	8	304	142	2	0	4
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
022	SVC	03	0	0							
061	MULTCRKS	12	0	0	MULTIPLE CRACKS						
073	SAG START		0	0	MODERATE SAG						
081	SVC	03	0	0							
086	SAG END		0	0							
142	BRKP	12	0	0	BROKEN PIPE WITH SOIL EXPOSED						
142	END TV		0	0	SURVEY ABANDONED DUE TO BROKEN PIPE						
142	SVC	09	0	0							

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	2364	1	1025	VC	8	116	29	3	0	4
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	OTHER		0	0	WATER LEVEL 50%						
011	OFSTJT		0	0	MODERATE OFFSET JOINT						
013	OFSTJT		0	0	MODERATE OFFSET JOINT						
017	OFSTJT		0	0	MODERATE OFFSET JOINT						
021	OFSTJT		0	0	MODERATE OFFSET JOINT						
029	END TV		0	0	ABANDONED DUE TO PROTRUDING SERVICE						
029	PROTSVC		0	0							
029	SVC	03	0	0							



Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
LESLIE DR	1	2364	1	2364	SOU VC	8	19	19	3	0	4
	Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments					
	011	OFSTJT		0	0	MODERATE OFFSET JOINT					
	019	BRKP	03	0	0	BROKEN PIPE WITH SOIL EXPOSED					
	019	END TV		0	0	ROCK AND MORTAR STUB END					
	019	SVC	09	0	720						
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	095	1	2794	PVC	8	30	24	13	0	3
	Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments					
	024	END TV		0	0	ABANDONED DUE TO DEBRI					
	024	SVC	10	0	0						
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	096	1	095	PVC	10	321	321	13	0	1
	Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments					
	049	SVC	11	0	0						
	180	SVC	12	0	0						
	193	SVC	11	0	0						
	245	SVC	11	0	0						
	272	PIPEDEFORM STAR		0	0	DEFORMED AT JOINT					
	311	SAG START		0	0	LIGHT SAG					
	319	SAG END		0	0						
	321	END TV		0	0	DOWNSTREAM MH 95					

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	096	1	097	PVC	10	298	298	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
083	SVC	02	0	0							
150	SVC	02	0	288							
184	SVC	03	0	0							
263	SVC	02	0	0							
289	SVC	11	0	0							
294	SVC	09	0	0							
295	SVC	03	0	0	SIGNS OF MINERAL DEPOSITS						
298	END TV		0	0	UPSTREAM MH 97						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	098	1	097	PVC	10	189	189	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
146	SVC	03	0	0	CAPPED SERVICE						
189	END TV		0	0	OUTSIDE DROP AT MH 97						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	099	1	098	PVC	10	12	12	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
012	END TV		0	0	DOWNSTREAM MH 98						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	099	1	100	PVC	10	289	289	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
281	SVC	03	0	0							
289	END TV		0	0	UPSTREAM MH 100						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	100	1	101	PVC	10	20	20	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	020	END TV		0	0	UPSTREAM MH 101					
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	102	1	101	PVC	10	139	139	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	046	SVC	10	0	0						
	129	SVC	02	0	0						
	139	END TV		0	0	DOWNSTREAM MH 101					
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	103	1	102	PVC	8	87	87	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	087	END TV		0	0	DOWNSTREAM MH 102					
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	105	1	104	PVC	8	258	258	13	288	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	012	SVC	10	0	0						
	068	SVC	12	0	0	CAPPED SERVICE					
	098	SVC	02	0	0						
	188	SVC	10	0	0						
	192	SVC	03	288	0	INFILTRATION AT SERVICE CONNECTION					
	250	GREASE	01	0	0	MODERATE GREASE BUILDUP					
	255	SVC	03	0	0						
	258	END TV		0	0	DOWNSTREAM MH 104					

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	105	1	2359	PVC	8	164	164	13	0	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
026	SVC	02	0	0							
033	SVC	10	0	1,440	STEADY CLEAR FLOW						
124	SVC	02	0	0							
129	SVC	10	0	0							
164	END TV		0	0	UPSTREAM MH 2359						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	764	1	764	EAS VC	8	390	35	2	576	4
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
030	PROTSVC	12	0	0	PROTRUDING SERVICE						
031	PIPECHG	03	576	0	PROTRUDING SERVICE WITH INFILTRATIONS						
035	BRKP		0	0	BROKE PIPE						
035	END TV		0	0	ABANDONED DUE TO BROKE PIPE						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	764	1	5119	PVC	8	220	220	13	0	3
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
006	SAG START		0	0	MODERATE SAG						
023	SAG END		0	0							
220	END TV		0	0	UPSTREAM MH 5119						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	767	1	769	VC	8	307	307	2	0	4
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
017	PROTSVC	03	0	0							
039	CRKP	10	0	0							
039	SVC	09	0	0							
044	OBST	06	0	0	PIECE OF BROKEN PIPE						
096	CRKP	03	0	0	CRACK PIPE AT JOINT						
104	CRKP	09	0	0	CRACK PIPE AT JOINT						
112	PROTSVC	02	0	0							
116	CRKP	12	0	0	CRACK PIPE AT JOINT						
124	CRKP	03	0	0	CRACK PIPE AT JOINT						
130	CRKP	03	0	0	CRACK PIPE AT JOINT						
138	CRKP	12	0	0	CRACK PIPE AT JOINT						
142	MULTCRKS	12	0	0	CRACK PIPE						
152	MULTCRKS	12	0	0	CRACK PIPE						
166	CRKP	03	0	0	CRACK PIPE AT JOINT						
174	CRKP	03	0	0	CRACK PIPE AT JOINT						
178	CRKP	03	0	0	CRACK PIPE AT JOINT						
182	CRKP	03	0	0	CRACK PIPE AT JOINT						
220	PROTSVC	09	0	576	STEADY CLEAR WATER FLOW						
237	CRKP	12	0	0	CRACK PIPE AT JOINT						
245	CRKP	09	0	0	CRACK PIPE AT JOINT						
291	SVC	03	0	0							
307	END TV		0	0	ABANDONED DUE TO PROTRUDING SERVICE						
307	PROTSVC	09	0	288	STEADY CLEAR FLOW						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	2128	1	2129	PVC	8	127	127	13	576	1
Footage	Defect Code	Clock Position	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
034	SVC	09	0	0							
072	SVC	10	0	0							
093	SVC	11	0	0							
125	LKJT	09	576	0	MODERATE INFILTRATION AT JOINT						
127	END TV		0	0	DOWNSTREAM MH 2129						

Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	2129	1	2132	PVC	8	175	175	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	029	SVC	10	0		0					
	102	SVC	02	0		0					
	160	SVC	10	0		0					
	175	END TV		0		0	DOWNSTREAM MH 2132				
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	2132	1	103	PVC	8	186	186	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	072	SVC	02	0		0					
	090	OTHER		0		0	DEFORMED PIPE				
	090	SVC	10	0		0					
	186	END TV		0		0	DOWNSTREAM MH 103				
Street	Start Subarea	Start Manhole	End Subarea	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	Overall Pipe Rating
MAPLEWOOD AVE	1	2359	1	106	PVC	8	13	13	13	0	1
	<b>Footage</b>	<b>Defect Code</b>	<b>Clock Position</b>	<b>Infil. Rate (gpd)</b>	<b>Uniden.</b>	<b>SVC Flow (gpd)</b>	<b>Defect Comments</b>				
	013	END TV		0		0	UPSTREAM MH 106				
<b>TOTAL</b>						<b>1,728</b>	<b>3,456</b>	<b>Total Pipe Length</b>	<b>6,345</b>	<b>Total TV Pipe Length</b>	<b>4,912</b>

## **TABLE B**

### **DEFECT CODE DEFINITIONS**

Maplewood Ave Area Sewer Design - Portsmouth NH

<b>Defect Code</b>	<b>Defect Code Definition</b>
BRKP	Broken Pipe
CIRCRK	Circular Crack
COLPSP	Collapsed Pipe
CRKP	Cracked Pipe
CRKP END	Cracked Pipe End
CRKP START	Cracked Pipe Start
END TV	End of TV Inspection
GREASE	Grease
LKJT	Leaking Joint
MNLDEP	Mineral Deposits
MULTCRKS	Multiple Cracks
NONE	None
OBST	Obstruction
OFSTJT	Offset Joint
OPJT	Open Joint
OTHER	Other
PIPE RPR END	Pipe Repair End
PIPE RPR START	Pipe Repair Start
PIPECHG	Pipe Change
PIPEDEFORM END	Pipe Deformation End
PIPEDEFORM START	Pipe Deformation Start
PROTSVC	Protruding Service Connection
RTS	Roots
SAG END	Sag End
SAG START	Sag Start
SVC	Service Connection
Pipe Ratings 1-5	1- Good Condition, 5- Poor

**ATTACHMENT A: PRE-BID MEETING NOTES**

Project Name: Improvements to Maplewood Avenue & Adjacent Areas  
City of Portsmouth Bid No. 45-18

Portsmouth Department of Public Works  
680 Peverly Hill Road  
February 20, 2018 @ 10:00 AM

**A. INTRODUCTIONS**

Raymond Pezzullo introduced the project team. Representing the City of Portsmouth was Raymond Pezzullo and Terry Desmarais. From Greenman-Pedersen, Inc. Joseph Johnson and Christopher Stairs and from Weston & Sampson, John Sykora and Tyler Dow.

**B. SIGN-IN SHEET (See Attached)**

This meeting is mandatory, all attendees must sign in.

**C. DELIVERY METHOD**

- The Bid Documents and Plans and any addenda can be found on the City of Portsmouth's website under <http://cityofportsmouth.com/finance/purchasing.htm>.

**A. PROJECT DESCRIPTION & SCOPE OF WORK**

- The Project includes water, sewer, drainage and roadway improvements along Maplewood Avenue from its intersection with Woodbury Avenue to its intersection with Cutts Street. The project also includes utility work and roadway reconstruction on Fairview Drive, Central Avenue, Cutts Street, Beechwood Street, Ashland Street, and Leslie Drive.

**Base Bid**

The base bid is all work along Maplewood Avenue, Woodbury Avenue and Fairview Drive (which includes work within easements) as shown on the Contract Plans and Documents.

**Bid Alternate A**

Consists of Cutts Street, Central Avenue, Ashland Street and Beechwood Street roadway reconstruction and utility improvements as shown on the Contract Plans and Documents.

**Bid Alternate B**

Consists of Leslie Drive roadway reconstruction and utility improvements as shown on the Contract Plans and Documents.



**Summary of the work to be completed**

- New Sanitary Sewers
    - Will require some basement plumbing modifications primarily at sewer separation locations
    - New sewer services along locations where the main is being replaced
  - New Drainage System and Storm Water Management Features
  - Water Distribution Improvements
  - Roadway work
    - Intent is to reclaim, see typical sections for limits of reclaimed and rehandled where needed because of grade changes
    - Two proposed prefabricated block retaining walls
  - Granite curb and concrete sidewalks
  - Restoration of all side slopes to pre-construction conditions
- 
- **Coordination and Protection of Utilities**
    - Coordinate utility relocation work (by others) with utility companies
    - Coordinate protection of existing underground utilities with their respective owners.
    - Coordinate with Eversource regarding the shoring up of poles during excavation if necessary

**B. BID ALLOWANCES & (MIN.) ITEMS**

- Bid Form can be found in the bid documents
- Allowances set for:
  - Item 201.2 - Tree Removal
  - Item 612.81442a - Interior Plumbing Modifications
  - Item 618.61 - Uniformed Officers
  - Item 618.7 - Flaggers
  - 699 - Misc. Temp. Erosion Control
  - 1001.104 – Disposal of regulated soils and materials
  - 1001.105 – Analytical Testing of Soils
  - 1001.106 - Disposal of regulated groundwater
  - 1008.51 – Alt. and Add. as Needed - Misc. Landscape Treatment
- Unit prices set for certain items (MIN.) are minimum unit prices established by the Engineer to be used by the Bidder. If the Bidder decides that the minimum unit prices are insufficient compensation, the Bidder shall insert additional unit prices (ADD'L) for these items to reflect costs above the minimum unit prices. See Section 01270 of the Contract Documents for details.

**C. QUESTIONS DURING BID**

- Questions regarding bidding may be directed to the Finance/Purchasing Department on the third floor, City Hall, 1 Junkins Avenue, Portsmouth, New Hampshire, 03801, or by calling the Purchasing Coordinator at 603-610-7227.
- Technical questions regarding the plans and specifications shall be directed to Joseph Johnson, P.E., PTOE, Greenman-Pedersen, Inc. at 603-766-8245 or jjohnson@gpinet.com.
- Questions must be received by 1:00pm on February 26, 2018. Addenda to this bid document, if any, including written answers to questions, will be posted by 4:00pm on **February 28, 2018** on the City of Portsmouth website.

**D. CONSTRUCTION STAGING**

- The Contractor is required to locate and secure all staging and material storage areas. All staging areas to be secured by the Contractor must be approved in advance by the City. With City approval, the Contractor may use the side of the roadway for staging of pipe and structures (CB's and manholes) providing certain conditions are met (unless approved otherwise by the City).

**E. TRAFFIC CONTROL**

- Traffic Control Plan (TCP) shall be submitted to the Engineer, for review and approval by the City of Portsmouth. Road detours (except local traffic) are anticipated. Trenches will be backfilled (plates may be used occasionally with prior approval from the Owner) and roads shall be re-opened to provide safe vehicular and pedestrian traffic at the end of each working day. The Plan shall also include the anticipated number of flaggers to be used for a given work area. Police details shall only be used at major intersections (Woodbury Avenue & Cutts Street). All temporary detours require approval from the Portsmouth DPW. However, the Contractor shall maintain access to properties and driveways throughout construction, to the extent that is possible.

**F. MEETINGS**

- **Public Information Meeting:** One public information meeting with residents and business owners prior to the start of construction and at the beginning of construction following any temporary shutdowns (i.e., winter shutdown).
- **Project Meetings:** Regular scheduled meetings will be held with Owner's Representatives, Contractor, sub-contractors will be held at a maximum frequency of twice monthly, unless weekly meetings are considered necessary by the Contractor, Owner or Engineer.
- **Coordination Meetings:** Informal weekly meetings are anticipated between the Contractor's Superintendent, Owner, and Resident Project Representative to review progress/schedule, sequence and other day to day issues.

**G. COMMUNITY INFORMATION**

- Every two weeks the Contractor shall prepare a brief written narrative of upcoming work and provide to the Owner for public information and for posting on social media.

**H. GEOTECHNICAL INFORMATION**

- To assist the Contractor in preparing a bid, borings logs are included in Appendix A of the Project Manual. Fluctuations in groundwater may exist.

**I. WORK HOURS**

- It is anticipated that the Work will be completed Monday through Friday during daylight hours (7 AM to 5 PM) unless specifically noted otherwise.
- Holiday work will not be allowed unless permission is granted from the Owner.
- Any request for work outside of these times must be made to the Owner two weeks in advance. The Contractor should not assume any extension of work hours will be granted.

**J. VIBRATION MONITORING**

- Vibration Monitoring in addition to the vibration monitoring for blasting, required by state and local ordinances, will be provided by the Contractor upon request, if deemed necessary to monitor vibration resulting from the Contractor's equipment, compaction efforts or operations. Vibration monitoring for blasting operations is provided at the Contractor's own expense.

**K. ARCHEOLOGICAL SENSITIVITY**

- No archeologically sensitive areas are identified within the project area. However, in the event that archaeological resources are discovered, then the Contractor and the Owner's Representatives will meet to discuss protocols to be employed by the Contractor.

**L. TREE REMOVAL**

- The Contractor shall coordinate all isolated tree removal and trimming with the City's sub-contractor. An allowance has been established for this work (Item 201.2). No trees within the public right-of-way will be removed without prior approval from the Mayor's Trees and Public Greenery Committee (City of Portsmouth). This approval will be obtained by the City. Tree removal within the limits of Clearing and Grubbing will be performed by the Contractor and paid for under the respective Clearing and Grubbing contract item.

**M. TRIMMING OF TREES**

- The Contractor shall coordinate all tree trimming with the City's sub-contractor. An allowance has been established for this work (Item 201.2). Prior to the start of the project, the Contractor shall walk the site and mark all the limbs that will require trimming in order to complete the work and minimize further damage to the tree. Upon approval for all the limbs to be cut by the Engineer and the Owner, the Contractor shall then coordinate with the City's sub-contractor to have the required limbs cut.

**N. PROTECTION OF TREES**

- The Contractor will endeavor to prevent damage to all trees that are designated to remain. Tree limbs that impede normal construction operations will be removed as described above. Trees to be removed are shown on the drawings. Additional limb or tree removal is subject to Owner approval. A penalty will be assessed to the Contractor for damage to trees as follows:
  - Limbs damaged following trimming: \$100/limb (in addition limbs will require further trimming by Contractor as directed)
  - Tree bark or surface scarring: \$10/sq. in. of impact area (\$100 MIN. and \$1000 MAX.)
  - In addition, Contractor shall remove trees that are, in the opinion of the Owner, significantly altered or cosmetically impaired or terminally damaged by the Contractor at no cost to the City. The Contractor shall be responsible for the value of the tree as determined by the Engineer.

**O. CONSTRUCTION DEWATERING**

- Dewatering of the trench and excavations will be necessary to perform the work. The work of this section shall be measured on a lump sum basis under item 1008.52 as defined in specification section 02240, and 01270. The work shall include both dewatering and disposal of the resultant pumped water.

**P. MAINTENANCE OF FLOW**

- Bypass pumping and plugging or blockage of sewer flow will be necessary to perform the work.
- The design, installation and operation of the temporary pumping system shall be the Contractor's responsibility. The Contractor shall employ the services of a vendor firm who can demonstrate to the Engineer that it has the required expertise in the design and operation of temporary bypass pumping systems.

**Q. TEMPORARY WATER**

- The Contractor shall furnish, install, maintain, and remove temporary water service pipe of the size required from which connections shall be made to all water customers as needed to perform the work. The temporary water system shall consist of mains, services and fire department outlets adequately sized to provide uninterrupted water and fire service to all water customers.
- The Contractor shall excavate for connections of temporary service pipes to existing live water mains and services, make and maintain all such connections and reinstate them to the new water main upon completion of the required disinfection and testing. The Contractor shall also furnish, install, maintain, connect, disconnect, and remove individual temporary service lines to all water customers below grade.

**R. QUESTIONS**

Question #1: Is there an Engineer's Estimate Available?

Response: The Engineer has estimated the following: Base Bid – \$5.2 Million, Bid Alternate A – \$1.5 Million and Bid Alternate B – \$900,000.

Question #2: Is the project required to be phased in a certain way?

Response: A suggested sequence of work has been included in the general notes, however the city is not requiring the contractor to complete the work in a particular order. It is anticipated that all utility work will be done prior to roadway reconstruction.

Question #3: Is the CCTV available?

Response: CCTV is available for viewing as outlined in the specifications. As part of this addenda the summary tables have been added to the Contract Documents.

Question #4: What is the basis of award?

Response: Bids will be compared based on the Base Bid; Base Bid plus Bid Alternate A; Base Bid plus Bid Alternate B; or Base Bid plus Bid Alternate A and B; whichever is in the best interest of the City.

Question #5: Have road closures been discussed with the school and COAST.

Response: Specific closures have not been discussed with these or any other affected groups. The Contractor will be required to coordinate and sequence daily operations with the City school bus company, COAST as well as City's weekly trash and recycling pickup.

Question #6: When is the award expected following the Bid Opening.

Response: The City intends to award the project as soon as possible.

**Improvements to Maplewood Avenue & Adjacent Areas**

Portsmouth, NH

Pre-Bid Meeting, Bid No: 45-18

February 20, 2018

	Last Name	First Name	Company/Organization	Address	E-Mail Address	Business Phone
1.	GOODWIN	PETER	Ted Berry Co	521 Federal Rd Livermore 04253	peter.goodwin@tedberrycompany.com	207 897 3348
2.	RAINEY	MARK	SEVERINO	512 RAYMOND ROAD, CANDIA	MRAINEY@SEVERINOTRUCKING.COM	603-483-7004
3.	Duntley	Ryan	Severino	512 Raymond Road, Candia	rduntley@severinotrucking.com	603-234-8105
4.	Severino	Bianca	Severino	512 Raymond Rd Candia	bseverino@severinotrucking.com	603-483-7015
5.	<del>LEE</del> LEE	BARNIE	SEVERINO	512 RAYMOND CANDIA	blee@severinotrucking.com	603-483-7016
6.	Bonneau	Scott	S. U. R. Construction, Inc.	233 Chestnut Hill Rd Rochester	sbonneau@surconstruction.com	(603) 332 4554
7.	THIBAUT	MATT	SARGENT CORP.	378 BENVOCH RD STILLWATER, ME	Pdubay@Sargent-corp.com	207-827-4435
8.	Bartlett	Nancy	Northeast Earth Mechanics, Inc.	159 Barnstead Rd Pittsfield, NH 03263	chuckbenearth.com	603-435-7989
9.	Lyman	Jack	John H Lyman & Sons	310 Hoyt Rd Gulfport NH	sve@lymanandsons.com	603 524 4314

**Improvements to Maplewood Avenue & Adjacent Areas**

Portsmouth, NH

Pre-Bid Meeting, Bid No: 45-18

February 20, 2018

	Last Name	First Name	Company/Organization	Address	E-Mail Address	Business Phone
10.	Lyman	Jim	John H. Lyman and sons Const Inc.	310 Hoyt Rd Gilford N.H.	Jue c Lyman and son. com	524-4314
11.	Whitney	Dave	Albanese Brothers Inc	Po Box 518 28 Loan Hill Rd Dracut MA 01826	dwhitney@ albanesebros.com	978-954-9850
12.	D'Angelino	Phil	BALANCO Explosives, MA	100 Old Waterbury Explosives, MA	pdragoytino@subcon.com "com"	603 851 2489
13.	Murphy	Francis	A.J. Coleman & Son, Inc.	9 NH RTE 113 Conway NH 03818	pmurphy@ajcoleman.com	603-447-5936
14.	Rich	ANDREW	GRANESE SONS	59 JEFFERSON Ave Salem, MA 01970	info@granesse.com	781-592-8121
15.	Card	Andrew	Northern Construction LLC	1520 Park St. Palmer MA 01069	mcappis@northernconstruction.com	413-244-9950
16.	FULLER	PETER	NORTHEAST DIRECTIONAL DRILLING	PO BOX 260 NORTHWOOD, NH 05261	NEED NORTHEAST DIRECTIONAL COM	603.942.8968
17.						
18.						