ADDENDUM No. 2 The City of Waltham, Massachusetts Bear Hill Road & Second Avenue Water Main Replacement Project

DATE ISSUED: July 18, 2016

TO: All Bidders of Record

This Addendum shall be part of the Contract Documents and plans as provided in "General Conditions."

Bidder is to acknowledge receipt of this **Addendum No. 2** by acknowledging the appropriate number on Page 3 of Section 00300 of the Bid Form. Failure to do so may result in the rejection of the Bid.

Reference Contract Documents (drawings and specifications) dated 22 June 2016.

The attention of bidders submitting bids for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications are all to be included in and form a part of the bid submitted.

SPECIFICATIONS:

Item No. 1:

Table of Contents: • INSERT the following lines to the Table of Contents - 00220 Subsurface Data

Item No. 2:

DIV 0:

INSERT the following section to the specifications
 – 00220 Subsurface Data (7 pages)

Item No. 3:

Section 01025, Measurements and Payment, ITEM 5B MISCELLANEOUS WORK AND CLEAN-UP ITEMS § B., second paragraph, line one:

- DELETE "Franklin Street"
- o INSERT "the Bear Hill Road & Second Avenue, Water Main Replacement Project"

Item No. 4:

Section 00300, Bid Form:

- DELETE PAGE 00300 5
- INSERT PAGE 00300 5 (ATTACHED)

ADDENDUM NO. 2 (10 PAGES INCLUDING THIS SHEET)

Item No. 5:

Plan Sheet 13 OF 17:

- DELETE 10"x6" TAPPING SLEEVE AND GATE VALVE ASSEMBLY
- INSERT 12"X6" TAPPING SLEEVE AND GATE VALVE ASSEMBLY

NOTE: Existing main line on Winter Street is 12" diameter water main.

Questions:

Q1. Sewer & Drain inverts do not appear on the plans. Please provide sewer and drain pipe inverts. **A1.** Some inverts are shown at some locations. No additional inverts will be provided. The intent is to lay the pipe in the same location under or over existing pipes.

Q2. Specs state that excavations should be backfilled and paved each day. Will the use of steel plates be permitted over sideline and temporary service connections?

A2. All trenches shall be paved every day. Plates will not be allowed in traveled ways for vehicles including the roadway, driveway entrances or parking lots.

Q3. Were any borings performed on the project route and could they be provided to the bidders? **A3.** Boring information is included in this addendum under Section 00220.

Q4. Measurement & payment item 5B refers to a proposed water main on Franklin Street. Can you clarify where this work is shown on the contract plans or whether it is a typo?A4. The correct name is addressed on page 1 of the addendum.

Q5. The contract plans include a 10" x 6" and 8" x 6" TSGV's to be installed and no bid item exists? Can bid items be added for these items?

A5. A revised bid section page has been added to this addendum address the items question.

All other portions of the Contract Documents remain <u>unchanged</u>. NOTE: THE GENERAL BID DATE HAS <u>NOT</u> CHANGED.

Please be reminded to acknowledge this Addendum on the bid forms.

--- End of Addendum No. 2 ---

SECTION 00220

SUBSURFACE DATA

PART 1 GENERAL

1.01 TEST HOLES & LOCATION
1.02 INFORMATION NOT GUARANTEED
1.03 BORING, GROUNDWATER, AND/PROBE LOGS

PART 1 GENERAL

1.01 TEST HOLES & LOCATION

- A. The Owner has made borings in the project area, the approximate locations are as follows:
 - P-8
 Approx. Sta. 41+70, Approx. Off. 15' R

 P-10
 Approx. Sta. 51+60, Approx. Off. 0'

 P-12
 Approx. Sta. 61+60, Approx. Off. 5' L

 P-13
 Approx. Sta. 66+50, Approx. Off. 5' R

 P-14
 Approx. Sta. 71+50, Approx. Off. 0'

 P-15
 Approx. Sta. 76+50, Approx. Off. 0'
- B. The data obtained from these test borings are contained within this section.

1.02 INFORMATION NOT GUARANTEED

- A. Any available data concerning subsurface materials or conditions, which are based upon soundings, test pits or test borings, have been obtained by the retained Engineers for their own use in designing this project. These are not representations or warranties as to the accuracy or completeness thereof by the Owner or the Engineer. The test boring stationing locations which are listed, reference the contract plan stationing baseline presented in plan view on the Contract Documents. The Contractor shall assume all risks in excavating for this project.
- B. Subsurface information is offered in good faith solely for the purpose of placing the Contractor in receipt of all information available to the Owner.

1.03 BORING, GROUNDWATER, PROBE LOGS, AND SOILS REPORT

- A. See attached test boring logs.
- B. See Contract Document plans for approximate project baseline stationing.

END OF SECTION

					T	EST BO	RIN	G LOG		SHE	ET 1
	G	eotechni	cation C	ng		GCG A Site: Propos		BORIN	BORING P-8		
	148 Pioneer Drive										
Leonnister, MA 01455						_	am, MA				July 11, 2016
	Ground					vv attila		GROU			VATIONS
		ate Star		July 8, 201				DATE DEP	ГН СА	SING	STABILIZATION
	Dat	e Finish Dril		July 8, 201 TF	6						
	Engineer						-				
Depth Ft.	Casing bl/ft	No.	Pen/Rec	Samp Depth		Blows/6"	Strata		Visual Id of Soil and / o	entification or Rock Samr	ble
							10"	Asphalt.			
1				2'6"-3'	6"		10				
5								Dry, fine to coarse refusal.	sand, fine t	o coarse gra	avel, cobbles to auger
							7'0"	Auger refusal at 7'0	·····		
10								No water encounter			
15											
20											
25											
30											
35											
20											
39 Notasi	Uollow	Stor A	ugar Si	4 1 / 4 "							
			uger Size								
			ose, 4 - 1 Dense, 50+	0 Loose, ⊦ V Dense.	Trace Little		ID ST	ZE (IN)	CASING	SAMPL SS	
				-8 M Stiff	Some			MER WGT (LB)		140 1	
8 - 15 Stiff, 15 - 30 V. Stiff, 30 + Hard. At						35% to 50%	HAM	MER FALL (IN)		30"	

					T	EST BO	RING	LOG	r		SHE	ET 2
	G	eotechni	ration C ical Drillir Monitor '	ng		GCG Associates, Inc. Site: Proposed Water Main				BORING P-10		
	148 Pioneer Drive Logminster MA 01453								PROJE	CT NO.	16-0710	
	Leominster, MA 01453 978 840-0391 Waltham, MA										July 11, 2016	
	Ground					v v aitiia	,		GROUNI			VATIONS
		ate Star		July 8, 2016				DATE	DEPTH	CA	SING	STABILIZATIO
	Dat	e Finish Dril		July 8, 2016 TF								
	Engineer											
Depth Ft.	Casing bl/ft	No.	Pen/Rec	Sample Depth	e	Blows/6"	Strata		of		entification or Rock Sam	ple
							11"	Asphalt.				
1				1'6"-5'0)"			Fine to coar	rse sand, fir	e to coar	se gravel.	
5							5'0"					
10				8'0"-10'	0"		10'0"	Silty sand a	nd some or	ganics int	to fine to co	parse sand and gravel
15												
20												
25												
30												
35												
39												
Notes:	Hollow	Stem A	uger Size	e - 4 1/4"								
			oose, 4 - 1	-	Trace			F (B)	CA	SING	SAMPL	
				V Dense.	Little Some		ID SIZ HAMN	E (IN) ⁄IER WGT (LE	3)		SS 140	
Cohesive: 0 -2 V Soft, 2 -4 Soft, 4 -8 M Stiff 8 -15 Stiff, 15 -30 V. Stiff, 30 + Hard.					And	35% to 50%		IER FALL (IN			30	

					T	EST BO	RINO	G LOG		SHE	ET 3	
	G	eotechni	cation C cal Drillin	ng		GCG A Site: Propose		BORIN	NG P-12			
		148 Pior	neer Drive			Replace			PROJECT NO. 16-0710			
	Le		r, MA 014 40-0391	53		Waltha					July 11, 2016	
	Ground					vv attila		GROU	NDWATE		VATIONS	
		ate Star		July 8, 201				DATE DEPT	TH CA	SING	STABILIZATION	
	Dat	e Finisł Dril		July 8, 201 TF	6							
	Engineer							-				
Depth Ft.	Casing bl/ft	No.	Pen/Rec	Samp Depth		Blows/6"	Strata			lentification or Rock Sam	ple	
1							11"	Asphalt. 			ravel, cobbles, some	
5							4'6" 6'6"	inorganic silt. Silty sand and fine t	o coarse gra	avel.		
10								Auger refusal at 6'6 Water encountered a				
15												
20												
25												
30												
35												
20												
39 Notasi	Uoller	Storm A	ugar Ci-	<u> </u>								
			uger Size		1		1					
			ose, 4 - 1 Dense 504	0 Loose, ⊦ V Dense.	Trace Little		והפיז		CASING	SAMPL		
					Some							
					And	35% to 50%	MER FALL (IN)	30"				

					T	EST BO	RIN	G LOG		SH	EET 6	
	G	eotechni	cation C cal Drillin Monitor	ng		GCG A Site: Propose	ssociates]	BORING P-13	3	
148 Pioneer Drive										PROJECT NC	. 16-0710	
	Leominster, MA 01453 978 840-0391					Replace	ement			DATE	: July 11, 2016	
						Waltha					-	
	Ground									OWATER OBSE		
		ate Star e Finisł		July 8, 201 July 8, 201				DATE D	DEPTH	CASING	STABILIZATION	
	Dai	Dril		TF	0							
Soil Depth	Engineer Casing	/Geolog	gist:	Same	1.					Visual Identification		
Ft.	bl/ft	No.	Pen/Rec	Samp Depth		Blows/6"	Strata		of S	Soil and / or Rock Sa		
								Asphalt.				
1							1'0"					
							4'0"	inorganic silt to	to 4'0".		vel, cobbles and some coarse gravel, fine to	
5							40	No water encou		s, some morganie	<u>.</u>	
								No water encou	intereu.			
10												
15												
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35												
39												
Notes:	Hollow	Stem A	uger Size	e - 4 1/4"			<u> </u>					
	nless: 0 -				Trace				CA	SING SAMI		
				+ V Dense.	Little Some			ZE (IN) IMFR WGT (I B)			SS 0.15	
					And					140 lb. 30"		

					T	EST BO	RINC	G LOG		SHE	EET 4	ţ
	G	eotechni	ration C ical Drillin Monitor '	ıg		GCG Associates, Inc. Site: Proposed Water Main				BORING P-14		
			neer Drive			Replac			PRO	DJECT NO	. 16-07	/10
	Le		r, MA 014 40-0391	53		_	ım, MA			DATE:		
	Ground	Elevat	ion:			v v urtina	ini , 10111	GROU	NDW/	ATER OBSE		
		ate Star		July 8, 2010				DATE DEP	ГН	CASING	STA	BILIZATION
	Dat	e Finisł Dril		July 8, 2010 TF	0							
	Engineer											
Depth Ft.	Casing bl/ft	No.	Pen/Rec	Samp Depth		Blows/6"	Strata			al Identification		
				k			11"	Asphalt.			I	
1								Fine to coarse san cobbles.	d, fine	to coarse grav	el, inor	ganic silt, little
5							5'0"					
							8'6"	Fine to coarse sand	fine to	coarse gravel,	cobbles.	
10							10'0"	Silty fine sand.				
								Water encountered	at 8'0".			
15												
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35												
20												
39 Notes:	Hollow	Stom A	ugor Siz-	<u> </u>								
inotes:	NOIIOW	stem A	uger Size	; - 4 1/4	1							
			ose, 4 - 1		Trace		10 617		CASING	G SAMP S		CORE TYPE
				- V Dense. 8 M Stiff	Little Some		ID SIZ HAMN	AE (IIN) MER WGT (LB)		S 140		
Cohesive: 0 -2 V Soft, 2 -4 Soft, 4 -8 M Stiff 8 -15 Stiff, 15 -30 V. Stiff, 30 + Hard.					And					30"		

					T	EST BO	RINC	G LOG	S	HEET 5	
	G	eotechni	ation C cal Drillin	ng		GCG A Site: Propose	Associates, ed Water		BORING P-15		
	148 Pioneer Drive Leominster, MA 01453 978 840-0391					Replace	ement		PROJECT NO. 16-0710 DATE: July 11, 2016		
	Ground		ion:	July 8, 201	6	Waltha	ım, MA	GROUN DATE DEPT	NDWATER OB	SERVATIO	
		e Finish Dril	ned:	July 8, 201 July 8, 201 TF							
	Engineer	/Geolog	gist:								
Depth	Casing bl/ft	N-	Pen/Rec	Samp		D1/(2)	Sturte		Visual Identifica		
Ft.	DI/II	No.	Pell/Rec	Depth	1	Blows/6"	Strata	Asphalt.	f Soil and / or Rock	Sample	
1							3'6"	Fine to coarse sand, t	fine gravel, some	inorganic silt.	
5								Boring stopped at 3' No water encountere			
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30											
35											
39											
Notes:	Hollow S	Stem A	uger Size	e - 4 1/4"			1	1			
Cohesio	nless: 0 -	4 V. Lo	ose, 4 - 1	0 Loose,	Trace				CASING SA		CORE TYPE
				+ V Dense.	Little		ID SIZ			SS	
	e: 0 -2 V ff, 15 -30			-8 M Stiff ard.	Some And	20 to 35% 35% to 50%		MER WGT (LB) MER FALL (IN)		140 lb. 30"	

BRIEF DESCRIPTION

BASE BID

ITEM NO.	BID PRICE ENTERED IN BOTH WORDS AND FIGURES (UNIT PRICE)	-	/ATED NTITY	TOTAL PRICE (UNIT PRICE X QUANTITY)
1. WA	ATER PIPE & FITTINGS			
1A.	Furnish and Install 12" Dia. Class 56, Cement Lined Ductile Iron (CLDI) Water Pipe, Restraining Gaskets and Fitting all depths of cover, per Linear Foot dollars and	-	cents	
	donars and (\$)	7,600		\$
1B.	Furnish and Install 10" Dia. Class 56 Cement Lined Ductile Iron (CLDI) Water Pipe, Restraining Gaskets and Fitting all depths of cover, per Linear Foot dollars and		cents	
	donard and	75	L.F.	\$
1C.	Furnish and Install 8" Dia. Class 56 Cement Lined Ductile Iron (CLDI) Water Pipe, Restraining Gaskets and Fitting all depths of cover, per Linear Foot dollars and		cents	
	donars and	530	L.F.	\$
1D.	Furnish and Install 6" Dia. Class 56 Cement Lined Ductile Iron (CLDI) Water Pipe, Restraining Gaskets and Fittin all depths of cover, per Linear Foot dollars and	gs,	cents	
	(\$)	950	 L.F.	\$
1E.	Furnish and Install 4" Dia. Class 56 Cement Lined Ductile Iron (CLDI) Water Pipe, Restraining Gaskets and Fitting all depths of cover, per Linear Foot dollars and	gs,	cents	
	(\$)	140	 L.F.	\$
1E-a.	Furnish and Install 8"x6" Tapping Sleeve And 6" Gate Valve Assembly, With Valve Box, as specified, Each dollars and			cents
	(\$)	1	EA.	\$
1F.	Furnish and Install 12"x6" Tapping			
		Subtotal for P Base Bid	age	\$