

ADDENDUM NO. 1

DOWNTOWN SANITARY, STORMWATER, AND STREETScape IMPROVEMENTS

**Naugatuck, Connecticut
Contract No. FY24-B059**

July 28, 2023

The following information, whether offered as supplemental or for clarification purposes, hereby becomes part of the bid and contract documents for the above-referenced project.

Inclusion of this Addendum must be acknowledged by inserting its number and date on page PF-1 of the Proposal / Bid Form. Failure to acknowledge any and all addenda in the above specified bid form may be cause for rejection of a bid by the Owner on the grounds that it is not responsive. This Addendum consists of two (2) pages, plus four (4) attachments.

****SPECIFICATIONS****

ITEM 1-1: BID SCHEDULE

DELETE the Bid Schedule in its entirety.
REPLAE with **Attachment 1** – Revised Bid Schedule.

ITEM 1-2: DIVISION 1 SECTION 1.08

REPLACE Section 1.08 with **Attachment 2**. This includes revisions to Section 1.08.04 and Section 1.08.07.

ITEM 1-3: ITEM #0969060A – CONSTRUCTION FIELD OFFICE, SMALL

ADD Item #0969060A **Attachment 3** to the Contract Documents.

****QUESTION AND ANSWER****

Q1-1. Can you consider numbering all the pages in the proposal form. The bid items alone have 29 pages which can cause some confusion if they are not numbered.

A1-1 See **Item 1-1** for revised Bid Schedule incorporating page numbers.

Q1-2. Do you have any borings for this project?

A1-2 Boring information is provided in **Attachment 4**.

Q1-3. Will there be winter shutdowns?

A1-3 Winter shutdowns will be allowed during an agreed upon duration as described in Section 1.08. See **Item 1-2; Attachment 2** for revised Section 1.08.

Q1-4. Can you provide a specification for the Field office? This is usually an A item.

A1-4 See **Item 1-3; Attachment 3**.

Q1-5. How do we get paid for removing the asphalt on the road pavement and existing concrete walks?

A1-5 Payment for removal of asphalt on the road pavement is included under Item #0202000 Earth Excavation. Payment for removal of existing concrete walks is included under Item #0921008 A Brick Sidewalk.

Q1-6. Please provide a pay item for clearing and grubbing.

A1-6 Payment for clearing and grubbing is included under bid Item #0952001 Selective Clearing and Thinning.

Q1-7. The DM drawings just on the base bid indicate close to 80 trees to be removed. Can you add a pay item for this? It might be simpler to just add the clearing and grubbing which could include some of the above items.

A1-7 Payment for tree removal is included under bid Item #0952001 Selective Clearing and Thinning.

Q1-8. The note on DMO#1 states to strip and stockpile topsoil. Also - we are instructed to screen the loam. How will this be paid?

A1-8 The referenced demolition work shown on Sheet DMO-01 is included within the lump sum payment of Item #0219004.3A. Refer to the special provision.

ATTACHMENT 1

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**PROPOSAL FORM - BID SCHEDULE
DOWNTOWN SANITARY, SEWER, AND COMPLETE STREETS IMPROVEMENTS
PROJECT NO. FY 23-B059
BOROUGH OF NAUGATUCK, CONNECTICUT**

BIDDER'S NAME: _____

GENERAL ITEMS

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0971001	1	L.S.	MAINTENANCE AND PROTECTION OF TRAFFIC		
			_____ dollars and _____ cents per lump sum	\$	\$
0975004	1	L.S.	MOBILIZATION AND PROJECT CLOSEOUT		
			_____ dollars and _____ cents per lump sum	\$	\$
0980020	1	L.S.	CONSTRUCTION SURVEYING		
			_____ dollars and _____ cents per lump sum	\$	\$
970006	1	EST.	TRAFFICPERSON (MUNICIPAL POLICE OFFICER) (ESTIMATED COST)		
			three-hundred twenty-thousand _____ dollars and no _____ cents estimated	\$320,000.00	\$320,000.00
0969060A	15	MO.	CONSTRUCTION FIELD OFFICE, SMALL		
			_____ dollars and _____ cents per month	\$	\$
GENERAL PROJECT ITEMS TOTAL (in words)					
				\$	\$
				\$	\$

BASE BID

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0100078A	1	L.S.	ELECTRICAL WORK IN TOWN GREEN		
			_____ dollars and _____ cents per lump sum	\$	\$
0101157A	1	L.S.	CONTAMINATED SOIL MANAGEMENT		
			_____ dollars and _____ cents per lump sum	\$	\$
0202000	4,800	C.Y.	EARTH EXCAVATION		
			_____ dollars and _____ cents per cubic yard	\$	\$
0202452A	10	EA.	TEST PIT		
			_____ dollars and _____ cents per each	\$	\$
0202491	3,400	L.F.	REMOVE GRANITE STONE CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0202502	1,400	S.Y.	REMOVAL OF CONCRETE PAVEMENT (MAPLE STREET)		
			_____ dollars and _____ cents per square yard	\$	\$
0202513A	110	S.Y.	REMOVAL OF CONCRETE SIDEWALK (CHURCH STREET CROSSWALKS)		
			_____ dollars and _____ cents per square yard	\$	\$
0202529	3,000	L.F.	CUT BITUMINOUS CONCRETE PAVEMENT		
			_____ dollars and _____ cents per linear foot	\$	\$
0209001	4,300	S.Y.	FORMATION OF SUBGRADE		
			_____ dollars and _____ cents per square yard	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0216012A	225	C.Y.	CONTROLLED LOW STRENGTH MATERIAL		
			_____ dollars and _____ cents per cubic yard	\$	\$
0219004.1A	1	L.S.	TREE FILTER - GREEN STORMWATER INFRASTRUCTURE		
			_____ dollars and _____ cents per lump sum	\$	\$
0219004.2A	1	L.S.	SUBSURFACE INFILTRATION SYSTEM - GREEN STORMWATER INFRASTRUCTURE		
			_____ dollars and _____ cents per lump sum	\$	\$
0219004.3A	1	L.S.	OUTFALL PLUNGE POOL / SEDIMENT FOREBAY - GREEN STORMWATER INFRASTRUCTURE		
			_____ dollars and _____ cents per lump sum	\$	\$
0219011A	33	EA.	SEDIMENTATION CONTROL AT CATCH BASIN		
			_____ dollars and _____ cents per each	\$	\$
0304002	550	C.Y.	PROCESSED AGGREGATE BASE		
			_____ dollars and _____ cents per cubic yard	\$	\$
0402800A	1,060	S.F.	CLEAN EXISTING SIDEWALK		
			_____ dollars and _____ cents per square foot	\$	\$
0402802A	960	S.F.	CLEAN EXISTING CONCRETE RETAINING WALL		
			_____ dollars and _____ cents per square foot	\$	\$
0406002	3,300	S.Y.	TEMPORARY PAVEMENT (TRENCH WIDTH AND TEMPORARY RAMPS)		
			_____ dollars and _____ cents per square yard	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0406170	1,000	TON	HMA S1		
			_____ dollars and _____ cents per TON	\$	\$
0406171	700	TON	HMA S0.5		
			_____ dollars and _____ cents per TON	\$	\$
0406236	70	GAL.	MATERIAL FOR TACK COAT		
			_____ dollars and _____ cents per gallon	\$	\$
0409001	1,000	S.Y.	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")		
			_____ dollars and _____ cents per square yard	\$	\$
0507105	4	EA.	CONNECTION TO EXISTING MANHOLE AND/OR CATCH BASIN		
			_____ dollars and _____ cents per each	\$	\$
0507119A	7	EA.	GRANITE CURB CATCH BASIN INLET (SINGLE)		
			_____ dollars and _____ cents per each	\$	\$
0507120A	1	EA.	GRANITE CURB CATCH BASIN INLET (DOUBLE)		
			_____ dollars and _____ cents per each	\$	\$
0586501.06	1	EA.	STORM MANHOLE - 6' DIAMETER		
			_____ dollars and _____ cents per each	\$	\$
0507900A	11	EA.	TRENCH DRAIN		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0519003A	1	ALLOW	WATERPROFFING AT BUILDING WALL AND PAVEMENT INTERFACE		
			Forty Thousand dollars and No cents estimated	\$40,000.00	\$40,000.00
0586001.1	7	EA.	TYPE 'C' CATCH BASIN - 0'-10' DEEP		
			dollars and cents per each	\$	\$
0586040.1	17	EA.	TYPE 'C-L' CATCH BASIN - 0'-10' DEEP		
			dollars and cents per each	\$	\$
0586044.1	4	EA.	TYPE 'C-L' CATCH BASIN DOUBLE GRATE TYPE 2 - 0' - 10' DEEP		
			dollars and cents per each	\$	\$
0586086A	5	EA.	ABANDON DRAINAGE STRUCTURE		
			dollars and cents per each	\$	\$
0586500.10	11	EA.	STORM MANHOLE - 4' DIAMETER		
			dollars and cents per each	\$	\$
0586501.05	12	EA.	STORM MANHOLE - 5' DIAMETER		
			dollars and cents per each	\$	\$
0586510A	2	EA.	DOGHOUSE MANHOLE - 5' DIAMETER		
			dollars and cents per each	\$	\$
0586704	1	EA.	CONVERT MANHOLE TO TYPE 'C' CATCH BASIN		
			dollars and cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0586790	18	EA.	REMOVE DRAINAGE STRUCTURE - 0' - 10' DEEP		
			_____ dollars and _____ cents per each	\$	\$
0651745	20	L.F.	8" POLYVINYL CHLORIDE PIPE		
			_____ dollars and _____ cents per linear foot	\$	\$
0652013	1	EA.	24" R.C. CULVERT END		
			_____ dollars and _____ cents per each	\$	\$
0652015	1	EA.	36" R.C. CULVERT END		
			_____ dollars and _____ cents per each	\$	\$
0653100A	150	EA.	CLEAN EXISTING CULVERT - 30" DIAMETER		
			_____ dollars and _____ cents per each	\$	\$
0686000.15	550	L.F.	15" R.C. PIPE - 0' - 10' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$
0686000.18	580	L.F.	18" R.C. PIPE - 0' - 10' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$
0686000.21	50	L.F.	21" R.C. PIPE - 0' - 10' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$
0686000.24	1,000	L.F.	24" R.C. PIPE - 0' - 10' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0686000.30	180	L.F.	30" R.C. PIPE - 0' - 10' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$
0686000.36	1,090	L.F.	36" R.C. PIPE - 0' - 10' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$
686950.2	3,200	L.F.	REMOVE EXISTING PIPE - 0' - 20' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$
0813012A	3,000	L.F.	5" X 18" GRANITE STONE CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0813013A	480	L.F.	5" X 18" GRANITE CURVED STONE CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0813013.10	80	L.F.	SHALLOW GRANITE CURB		
			_____ dollars and _____ cents per linear foot	\$	\$
0814007A	40	L.F.	RESET EXISTING GRANITE LAWN CURB		
			_____ dollars and _____ cents per linear foot	\$	\$
0815001	20	L.F.	BITUMINOUS CONCRETE LIP CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0901006A	3	EA.	REMOVABLE BOLLARD		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0901007.1A	17	EA.	GRANITE BOLLARD		
			_____ dollars and _____ cents per each	\$	\$
0901007.2A	2	EA.	GRANITE BOLLARD - MAINTENANCE/ATTIC STOCK		
			_____ dollars and _____ cents per each	\$	\$
0901008A	26	EA.	CLEAN EXISTING GRANITE BOLLARD		
			_____ dollars and _____ cents per each	\$	\$
0901009A	600	L.F.	CLEAN EXISTING GRANITE LAWN CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0915000A	1	L.S.	TREE PROTECTION, PRUNING AND TRIMMING - STREETScape		
			_____ dollars and _____ cents per lump sum	\$	\$
0921001A	1,070	S.F.	CONCRETE SIDEWALK		
			_____ dollars and _____ cents per square foot	\$	\$
0921003A	800	S.F.	CONCRETE SIDEWALK REPAIR		
			_____ dollars and _____ cents per square foot	\$	\$
0921008.1A	5,730	S.F.	BRICK SIDEWALK - BANDING PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921008.2A	100	S.F.	BRICK SIDEWALK - BANDING PAVER - MAINTENANCE/ATTIC STOCK		
			_____ dollars and _____ cents per square foot	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0921009.1A	40,000	S.F.	BRICK SIDEWALK - FIELD PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921009.2A	200	S.F.	BRICK SIDEWALK - FIELD PAVER - MAINTENANCE/ATTIC STOCK		
			_____ dollars and _____ cents per square foot	\$	\$
0921010.1A	1,280	EA.	BRICK SIDEWALK - INSET PAVER		
			_____ dollars and _____ cents per each	\$	\$
0921010.2A	45	EA.	BRICK SIDEWALK - INSET PAVER - MAINTENANCE/ATTIC STOCK		
			_____ dollars and _____ cents per each	\$	\$
0921016.1A	770	S.F.	BRICK PAVER ROADWAY - BANDING PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921016.2A	100	S.F.	BRICK PAVER ROADWAY - BANDING PAVER - MAINTENANCE/ATTIC		
			_____ dollars and _____ cents per square foot	\$	\$
0921017.1A	7,000	S.F.	BRICK PAVER ROADWAY - FIELD PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921017.2A	200	S.F.	BRICK PAVER ROADWAY - FIELD PAVER - MAINTENANCE/ATTIC STOCK		
			_____ dollars and _____ cents per square foot	\$	\$
0921018.1A	200	EA.	BRICK PAVER ROADWAY - INSET PAVER		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0921018.2A	45	EA.	BRICK PAVER ROADWAY - INSET PAVER - MAINTENANCE/ATTIC STOCK		
			_____ dollars and _____ cents per each	\$	\$
0921030A	7	L.F.	GRANITE SIGN WALL - STRAIGHT		
			_____ dollars and _____ cents per linear foot	\$	\$
0921031A	7	L.F.	GRANITE SEAT WALL - STRAIGHT - TYPE 1		
			_____ dollars and _____ cents per linear foot	\$	\$
0921032A	7	L.F.	GRANITE SEAT WALL - STRAIGHT - TYPE 2		
			_____ dollars and _____ cents per linear foot	\$	\$
0921033A	48	L.F.	GRANITE SEAT WALL - CURVED - TYPE 1		
			_____ dollars and _____ cents per linear foot	\$	\$
0921034A	12	L.F.	GRANITE SEAT WALL - CURVED - TYPE 2		
			_____ dollars and _____ cents per linear foot	\$	\$
0921035.1A	2	EA.	GRANITE SEAT WALL - VOLUTE - TYPE 2		
			_____ dollars and _____ cents per each	\$	\$
0921035.2A	6	EA.	GRANITE SEAT WALL - VOLUTE - TYPE 1		
			_____ dollars and _____ cents per each	\$	\$
0921036A	2	EA.	GRANITE SIGN WALL - VOLUTE		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0921037A	14	L.F.	GRANITE SEAT WALL COPING - STRAIGHT - TYPE 1		
			_____ dollars and _____ cents per linear foot	\$	\$
0921038A	7	L.F.	GRANITE SIGN WALL COPING - STRAIGHT		
			_____ dollars and _____ cents per linear foot	\$	\$
0921039A	60	L.F.	GRANITE SEAT WALL COPING - CURVED - TYPE 1		
			_____ dollars and _____ cents per linear foot	\$	\$
0921040A	8	EA.	GRANITE SEAT WALL COPING - VOLUTE - TYPE 1		
			_____ dollars and _____ cents per each	\$	\$
0921041A	2	EA.	GRANITE SIGN WALL COPING - VOLUTE		
			_____ dollars and _____ cents per each	\$	\$
0921042A	60	S.F.	GRANITE PAVER BANDING - TYPE C		
			_____ dollars and _____ cents per square foot	\$	\$
0921043A	370	S.F.	GRANITE PAVER BANDING - TYPE R		
			_____ dollars and _____ cents per square foot	\$	\$
0921044A	52	L.F.	GRANITE LAWN CURB - TYPE 1 CURVED		
			_____ dollars and _____ cents per linear foot	\$	\$
0921045A	25	L.F.	GRANITE LAWN CURB - TYPE 1 STRAIGHT		
			_____ dollars and _____ cents per linear foot	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0921046A	56	L.F.	GRANITE LAWN CURB - TYPE 2 CURVED		
			_____ dollars and _____ cents per linear foot	\$	\$
0921048A	28	EA.	ANTI-SKATEBOARD GUARD		
			_____ dollars and _____ cents per each	\$	\$
0921050A	290	S.F.	DETECTABLE WARNING CAST IRON PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921052A	2	EA.	GRANITE SIGN POST 8" X 8" WITH NOTCH		
			_____ dollars and _____ cents per each	\$	\$
0921053A	1	EA.	GRANITE SIGN POST 8" X 8"		
			_____ dollars and _____ cents per each	\$	\$
0921054A	3	EA.	GRANITE SIGN POST CAP 10" X 10" X 2"		
			_____ dollars and _____ cents per each	\$	\$
0921055A	1	EA.	GRANITE SIGN PANEL		
			_____ dollars and _____ cents per each	\$	\$
0921057A	1	EA.	GRANITE MEDALLION AT BRICK PAVER ROADWAY		
			_____ dollars and _____ cents per each	\$	\$
0921098A	33	EA.	FLEXIBLE PERMEABLE PAVEMENT AT NEW TREE W/ STRUCTURAL SOIL		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0921099A	6	S.F.	FLEXIBLE PERMEABLE PAVEMENT AT NEW TREE W/ TREE FILTER		
			_____ dollars and _____ cents per square foot	\$	\$
0922050A	1,300	S.F.	DECORATIVE CROSSWALK		
			_____ dollars and _____ cents per square foot	\$	\$
0944000A	190	CY	FURNISHING AND PLACING TOPSOIL		
			_____ dollars and _____ cents per CY	\$	\$
0947207A	26	EA.	BICYCLE RACK		
			_____ dollars and _____ cents per each	\$	\$
0949003A	1	L.S.	FURNISHING, PLANTING AND MULCHING TREES, SHBS, VINES & GRNDS		
			_____ dollars and _____ cents per lump sum	\$	\$
0950005A	1,130	S.Y.	TURF ESTABLISHMENT		
			_____ dollars and _____ cents per square yard	\$	\$
0950027A	18	EA.	PLANTER, PRECAST CONCRETE 48LX30WX36H		
			_____ dollars and _____ cents per each	\$	\$
0950028A	10	EA.	PLANTER, PRECAST CONCRETE 36LX36WX36H		
			_____ dollars and _____ cents per each	\$	\$
0952001	1	L.S.	SELECTIVE CLEARING AND THINNING		
			_____ dollars and _____ cents per lump sum	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0992090A	32	EA.	BENCH (METAL)		
			_____ dollars and _____ cents per each	\$	\$
0992103A	16	EA.	TRASH RECEPTACLE		
			_____ dollars and _____ cents per each	\$	\$
0992104A	16	EA.	RECYCLE RECEPTACLE		
			_____ dollars and _____ cents per each	\$	\$
1002110A	39	EA.	DECORATIVE LIGHT POLE FOUNDATION		
			_____ dollars and _____ cents per each	\$	\$
1003595A	39	EA.	DECORATIVE LIGHT POLE AND LUMINARIE		
			_____ dollars and _____ cents per each	\$	\$
1003674A	16	EA.	CATENARY LIGHT POLE - 12' H (DINING AREAS)		
			_____ dollars and _____ cents per each	\$	\$
1003675A	8	EA.	CATENARY LIGHT POLE - 16' H (GATEWAY)		
			_____ dollars and _____ cents per each	\$	\$
1003676A	16	EA.	CATENARY LIGHTING POLE FOUNDATION (12' H POLE)		
			_____ dollars and _____ cents per each	\$	\$
1003677A	8	EA.	CATENARY LIGHTING POLE FOUNDATION (16' H POLE)		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
1003678A	750	L.F.	CATENARY LIGHTING AND SUPPORT CABLE		
			_____ dollars and _____ cents per linear foot	\$	\$
1003906A	31	EA.	REMOVE LIGHT STANDARD		
			_____ dollars and _____ cents per each	\$	\$
1003912A	31	EA.	REMOVE CONCRETE LIGHT STANDARD BASE		
			_____ dollars and _____ cents per each	\$	\$
1008127	6,000	L.F.	2" PVC CONDUIT IN TRENCH		
			_____ dollars and _____ cents per linear foot	\$	\$
1008215	100	L.F.	2" RIGID CONDUIT UNDER ROADWAY		
			_____ dollars and _____ cents per linear foot	\$	\$
1050114A	1	L.S.	HIGH RESOLUTION LED FULL COLOR VARIABLE MESSAGE SIGN		
			_____ dollars and _____ cents per lump sum	\$	\$
1106003A	1	L.S.	1 WAY PEDESTRIAN SIGNAL PEDESTAL MOUNTED WITH PUSHBUTTON		
			_____ dollars and _____ cents per lump sum	\$	\$
1111401	12	EA.	LOOP VEHICLE DETECTOR		
			_____ dollars and _____ cents per each	\$	\$
1111451	750	L.F.	LOOP VEHICLE DETECTOR SAW CUT		
			_____ dollars and _____ cents per linear foot	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
1118012	1	L.S.	REMOVAL AND/OR RELOCATION OF TRAFFIC SIGNAL EQUIPMENT		
			_____ dollars and _____ cents per lump sum	\$	\$
1206023A	1	L.S.	REMOVAL AND RELOCATION OF EXISTING SIGNS		
			_____ dollars and _____ cents per lump sum	\$	\$
1208931	20	S.F.	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)		
			_____ dollars and _____ cents per square foot	\$	\$
1210101	2,300	L.F.	4" WHITE EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210102	1,500	L.F.	4" YELLOW EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210105	210	S.F.	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGEND		
			_____ dollars and _____ cents per square foot	\$	\$
1210106	500	L.F.	12" WHITE EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1302047A	54	EA.	RESET GATE BOXES		
			_____ dollars and _____ cents per each	\$	\$
1303195	1	EA.	REMOVE HYDRANT (WATER MAIN) (MAPLE STREET)		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
1303205	2	EA.	FIRE HYDRANT		
			_____ dollars and _____ cents per each	\$	\$
1400104	900	L.F.	12" POLYVINYL CHLORIDE PIPE (SANITARY SEWER)		
			_____ dollars and _____ cents per linear foot	\$	\$
1400201.1A	800	L.F.	SERVICE LATERAL INSPECTION AND CLEANING (AS DIRECTED)		
			_____ dollars and _____ cents per linear foot	\$	\$
1400201.2A	100	L.F.	CURED IN PLACE LATERAL LINING 4" (SANITARY SEWER - AS DIRECTED)		
			_____ dollars and _____ cents per linear foot	\$	\$
1400201.3A	500	L.F.	CURED IN PLACE LATERAL LINING 6" (SANITARY SEWER - AS DIRECTED)		
			_____ dollars and _____ cents per linear foot	\$	\$
1401643.1A	100	L.F.	4" POLYVINYL CHLORIDE LATERALS (SANITARY SEWER) (AS DIRECTED)		
			_____ dollars and _____ cents per linear foot	\$	\$
1401643.2A	300	L.F.	6" POLYVINYL CHLORIDE LATERALS (SANITARY SEWER) (AS DIRECTED)		
			_____ dollars and _____ cents per linear foot	\$	\$
1401662A	5	EA.	SANITARY MANHOLE (4' DIA.) 0' TO 10' DEEP		
			_____ dollars and _____ cents per each	\$	\$
1403501A	2	EA.	RESET MANHOLE (SANITARY SEWER)		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
2020310.1A	25	TON	TRANSPORTATION AND DISPOSAL FOR SOIL AND FILL - CLASS A		
			_____dollars and _____cents per ton	\$	\$
2020310.2A	25	TON	TRANSPORTATION AND DISPOSAL FOR SOIL AND FILL - CLASS B		
			_____dollars and _____cents per ton	\$	\$
2020310.3A	25	TON	TRANSPORTATION AND DISPOSAL FOR SOIL AND FILL - CLASS C		
			_____dollars and _____cents per ton	\$	\$
			PROJECT TOTAL (in words)		
			_____dollars and _____cents	\$	\$

MAPLE STREET - ADD ALTERNATE 1

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
1008127	2,000	L.F.	2" PVC CONDUIT IN TRENCH		
			_____ dollars and _____ cents per linear foot	\$	\$
1008215	100	L.F.	2" RIGID CONDUIT UNDER ROADWAY		
			_____ dollars and _____ cents per linear foot	\$	\$
0202000	650	C.Y.	EARTH EXCAVATION		
			_____ dollars and _____ cents per cubic yard	\$	\$
0202452A	3	EA.	TEST PIT		
			_____ dollars and _____ cents per each	\$	\$
0202491	700	L.F.	REMOVE GRANITE STONE CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0202502	600	S.Y.	REMOVAL OF CONCRETE PAVEMENT (MAPLE STREET)		
			_____ dollars and _____ cents per square yard	\$	\$
0202529	500	L.F.	CUT BITUMINOUS CONCRETE PAVEMENT		
			_____ dollars and _____ cents per linear foot	\$	\$
0216012A	5	C.Y.	CONTROLLED LOW STRENGTH MATERIAL		
			_____ dollars and _____ cents per cubic yard	\$	\$
0219011A	5	EA.	SEDIMENTATION CONTROL AT CATCH BASIN		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0304002	10	C.Y.	PROCESSED AGGREGATE BASE		
			_____ dollars and _____ cents per cubic yard	\$	\$
0406170	600	TON	HMA S1		
			_____ dollars and _____ cents per ton	\$	\$
0406236	300	GAL.	MATERIAL FOR TACK COAT		
			_____ dollars and _____ cents per gallon	\$	\$
0507105	1	EA.	CONNECTION TO EXISTING MANHOLE AND/OR CATCH BASIN		
			_____ dollars and _____ cents per each	\$	\$
0507119A	1	EA.	GRANITE CURB CATCH BASIN INLET (SINGLE)		
			_____ dollars and _____ cents per each	\$	\$
0507120A	1	EA.	GRANITE CURB CATCH BASIN INLET (DOUBLE)		
			_____ dollars and _____ cents per each	\$	\$
0507554	1	EA.	RESET FRAME AND GRATE FOR CATCH BASIN		
			_____ dollars and _____ cents per each	\$	\$
0586001.1	1	EA.	TYPE 'C' CATCH BASIN - 0'-10' DEEP		
			_____ dollars and _____ cents per each	\$	\$
0586005.1	1	EA.	TYPE 'C' CATCH BASIN DOUBLE GRATE TYPE 2 - 0' - 10' DEEP		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0686000.15	30	L.F.	15" R.C. PIPE - 0' - 10' DEEP		
			_____ dollars and _____ cents per linear foot	\$	\$
0813012A	550	L.F.	5" X 18" GRANITE STONE CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0813013A	200	L.F.	5" X 18" GRANITE CURVED STONE CURBING		
			_____ dollars and _____ cents per linear foot	\$	\$
0922050A	1,500	S.F.	DECORATIVE CROSSWALK		
			_____ dollars and _____ cents per square foot	\$	\$
0952001	1	L.S.	SELECTIVE CLEARING AND THINNING		
			_____ dollars and _____ cents per lump sum	\$	\$
1002110A	6	EA.	DECORATIVE LIGHT POLE FOUNDATION		
			_____ dollars and _____ cents per each	\$	\$
1003595A	6	EA.	DECORATIVE LIGHT POLE AND LUMINARIE		
			_____ dollars and _____ cents per each	\$	\$
1003674A	8	EA.	CATENARY LIGHT POLE - 12' H (DINING AREAS)		
			_____ dollars and _____ cents per each	\$	\$
1003676A	8	EA.	CATENARY LIGHTING POLE FOUNDATION (12' H POLE)		
			_____ dollars and _____ cents per each	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
1003678A	20	L.F.	CATENARY LIGHTING AND SUPPORT CABLE		
			_____ dollars and _____ cents per linear foot	\$	\$
1003906A	3	EA.	REMOVE LIGHT STANDARD		
			_____ dollars and _____ cents per each	\$	\$
1003912A	3	EA.	REMOVE CONCRETE LIGHT STANDARD BASE		
			_____ dollars and _____ cents per each	\$	\$
1206023A	1	L.S.	REMOVAL AND RELOCATION OF EXISTING SIGNS		
			_____ dollars and _____ cents per lump sum	\$	\$
1208931	20	S.F.	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)		
			_____ dollars and _____ cents per square foot	\$	\$
1210101	800	L.F.	4" WHITE EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210102	910	L.F.	4" YELLOW EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210105	30	S.F.	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGEND		
			_____ dollars and _____ cents per square foot	\$	\$
1210106	505	L.F.	12" WHITE EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
1303195	1	EA.	REMOVE HYDRANT (WATER MAIN)		
			_____ dollars and _____ cents per each	\$	\$
1303205	1	EA.	FIRE HYDRANT		
			_____ dollars and _____ cents per each	\$	\$
1403501A	5	EA.	RESET MANHOLE (SANITARY SEWER)		
			_____ dollars and _____ cents per each	\$	\$
0409006	160	S.Y.	COARSE MILLING OF BITUMINOUS CONCRETE (GREATER THAN 4" TO 8")		
			_____ dollars and _____ cents per square yard	\$	\$
0409001	3,600	S.Y.	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")		
			_____ dollars and _____ cents per square yard	\$	\$
0402800A	576	S.F.	CLEAN EXISTING SIDEWALK		
			_____ dollars and _____ cents per square foot	\$	\$
0519003A	1	ALLOW	WATERPROFFING AT BUILDING WALL AND PAVEMENT INTERFACE		
			Five Thousand _____ dollars and No _____ cents estimated	\$5,000.00	\$5,000.00
0921001A	240	L.F.	CONCRETE SIDEWALK		
			_____ dollars and _____ cents per linear foot	\$	\$
0921003A	40	L.F.	CONCRETE SIDEWALK REPAIR		
			_____ dollars and _____ cents per linear foot	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0921008A	1,220	S.F.	BRICK SIDEWALK - BANDING PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921009A	8,050	S.F.	BRICK SIDEWALK - FIELD PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921010A	375	S.F.	BRICK SIDEWALK - INSET PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921016A	55	S.F.	BRICK PAVER ROADWAY - BANDING PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921017A	155	S.F.	BRICK PAVER ROADWAY - FIELD PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0921018A	5	EA.	BRICK PAVER ROADWAY - INSET PAVER		
			_____ dollars and _____ cents per each	\$	\$
0921050A	95	S.F.	DETECTABLE WARNING CAST IRON PAVER		
			_____ dollars and _____ cents per square foot	\$	\$
0947207A	3	EA.	BICYCLE RACK		
			_____ dollars and _____ cents per each	\$	\$
0949004A	1	L.S.	FURNISHING, PLANTING AND MULCHING TREES, SHBS, VINES & GRNDS		
			_____ dollars and _____ cents per lump sum	\$	\$

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0950027A	40	EA.	PLANTER, PRECAST CONCRETE 48LX30WX36H		
			_____ dollars and _____ cents per each	\$	\$
0952110A	10	EA.	BELGIAN BLOCK PLANTER AT NEW TREE		
			_____ dollars and _____ cents per each	\$	\$
0992090A	3	EA.	BENCH (METAL)		
			_____ dollars and _____ cents per each	\$	\$
0992103A	3	EA.	TRASH RECEPTACLE		
			_____ dollars and _____ cents per each	\$	\$
0992104A	3	EA.	RECYCLE RECEPTACLE		
			_____ dollars and _____ cents per each	\$	\$
MAPLE STREET - ADD ALTERNATE 1 TOTAL (in words)					
			_____ dollars and _____ cents	\$	\$

MAPLE STREET BRIDGE ROADWAY - ADD ALTERNATE 2A

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
202502A	850	S.Y.	REMOVAL OF CEMENT PAVERS, POLYMERIC BEDDING SAND, DRAINAGE BLANKET		
			_____ dollars and _____ cents per square yards	\$	\$
0406171	95	TON	HMA S0.5		
			_____ dollars and _____ cents per ton	\$	\$
0406173	120	TON	HMA S0.25		
			_____ dollars and _____ cents per ton	\$	\$
0406236	42	GAL.	MATERIAL FOR TACK COAT		
			_____ dollars and _____ cents per gallon	\$	\$
1210101	375	L.F.	4" WHITE EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210102	375	L.F.	4" YELLOW EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210105	50	S.F.	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS, AND LEGEND		
			_____ dollars and _____ cents per square foot	\$	\$
MAPLE STREET BRIDGE ROADWAY - ADD ALTERNATE 2A TOTAL (in words)					
				\$	\$
				\$	\$

MAPLE STREET BRIDGE THERMOPLASTIC - ADD ALTERNATE 2B⁽¹⁾

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
1210101	(375)	L.F.	DELETE 4" WHITE EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210102	(375)	L.F.	DELETE 4" YELLOW EPOXY-RESIN PAVEMENT MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
1210105A	7560	S.F.	IMPRESSED PREFORMED THERMOPLASTIC PATTERN		
			_____ dollars and _____ cents per square foot	\$	\$
1209431A	375	L.F.	IMPRESSED THERMOPLASTIC PAVEMENT LINE - 4" WHITE		
			_____ dollars and _____ cents per linear foot	\$	\$
1209441A	375	L.F.	IMPRESSED THERMOPLASTIC PAVEMENT LINE - 4" YELLOW		
			_____ dollars and _____ cents per linear foot	\$	\$
1209467A	50	S.F.	IMPRESSED THERMOPLASTIC LEGENDS, ARROWS AND MARKINGS		
			_____ dollars and _____ cents per linear foot	\$	\$
MAPLE STREET BRIDGE ROADWAY - ADD ALTERNATE 2A + 2B TOTAL (in words)					
				\$	\$
				\$	\$

⁽¹⁾ ALTERNATE 2A MUST BE ACCEPTED FOR ALTERNATE 2B TO BE ACCEPTED.

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ATTACHMENT 2

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SECTION 1.08 - PROSECUTION AND PROGRESS

Article 1.08.04 - Limitation of Operations - Add the following:

In order to provide for traffic operations as outlined in the Special Provision "Maintenance and Protection of Traffic," the Contractor will not be permitted to perform any work which will interfere with the described traffic operations on all project roadways as follows:

All Roadways

Saturday and Sunday between 10:00 a.m. and 6:00 p.m.

Church Street and Maple Street

Contractor shall provide a safe means for pedestrian and vehicle access to businesses on Church Street throughout Construction. No streets shall be shut down to pedestrian and vehicle access without prior authorization from the Department of Public Works. Provide requests for road closures at least 72-hour in advance of proposed work and provide notification to business owners at least 48-hours in advance of any road closures.

Article 1.08.07 – Determination of Contract Time – Modify the following:

When the Contract time is stated on a calendar-day basis, that time shall be the number of consecutive calendar days contained in the Contract period designated in the Contract, excluding the time period from each *December 22 through the following March 1 (the "winter shutdown period") or agreed upon winter shutdown period between the Contractor and Owner*. The Contract time will begin to run on the date designated in the Engineer's "Notice to Proceed" as the date for commencement of the Project, and the time will be computed as herein provided on a consecutive-day basis, including all Saturdays, Sundays, holidays, and non-work days from *March 2 through December 23* of each included year.

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ATTACHMENT 3

ITEM #0969060A - CONSTRUCTION FIELD OFFICE, SMALL

Description: Under the item included in the bid document, adequate weatherproof office quarters with related furnishings, materials, equipment and other services, shall be provided by the Contractor for the duration of the work, and if necessary, for a close-out period determined by the Engineer. The office, furnishings, materials, equipment, and services are for the use of the Borough’s inspector and others who may be engaged to augment the Borough’s forces with relation to the Contract. The office quarters shall be located convenient to the work site and installed in accordance with Article 1.08.02. This office shall be separated from any office occupied by the Contractor. Ownership and liability of the office quarters shall remain with the Contractor.

Furnishings/Materials/Supplies/Equipment: All furnishings, materials, equipment and supplies shall be in like new condition for the purpose intended and require approval of the Engineer.

Office Requirements: The Contractor shall furnish the office quarters and equipment as described below:

Description \ Office Size	Small
Minimum Sq. Ft. of floor space with a minimum ceiling height of 7 ft.	400
Minimum number of exterior entrances.	2
Minimum number of parking spaces.	3

Office Layout: The office shall have a minimum square footage as indicated in the table above.

Tie-downs and Skirting: Modular offices shall be tied-down and fully skirted to ground level.

Lavatory Facilities: The Contractor shall furnish a toilet facility at a location convenient to the field office for use by Department personnel and such assistants as they may engage. The lavatory shall have hot and cold running water and flush-type toilets. The Contractor shall supply lavatory and sanitary supplies as required.

Windows and Entrances: The windows shall be of a type that will open and close conveniently, shall be sufficient in number and size to provide adequate light and ventilation, and shall be fitted with locking devices, blinds and screens. The entrances shall be secure, screened, and fitted with a lock for which four keys shall be furnished. All keys to the construction field office shall be furnished to the Borough and will be kept in their possession while Borough representatives are using the office. Any access to the entrance ways shall meet applicable building codes, with appropriate handrails. Stairways shall be ADA/ABA compliant and have non-skid tread surfaces.

Lighting: The Contractor shall equip the office interior with electric lighting that provides a minimum illumination level of 100 foot-candles at desk level height, and electric outlets for each desk and drafting table. The Contractor shall also provide exterior lighting that provides a minimum illumination level of 2 foot-candles throughout the parking area and for a minimum distance of 10 ft. on each side of the field office.

Parking Facility: The Contractor shall provide a parking area, adjacent to the field office, of sufficient size to accommodate the number of vehicles indicated in the table above. If a paved parking area is not readily available, the Contractor shall construct a parking area and driveway consisting of a minimum of 6 inches of processed aggregate base graded to drain. The base material will be extended to the office entrance.

Field Office Security: Physical Barrier Devices - This shall consist of physical means to prevent entry, such as: 1) All windows shall be barred or security screens installed; 2) All field office doors shall be equipped with dead bolt locks and regular day operated door locks; and 3) Other devices as directed by the Engineer to suit existing conditions.

Electric Service: The field office shall be equipped with an electric service panel to serve the electrical requirements of the field office, including: lighting, general outlets, computer outlets, calculators etc., and meet the following minimum specifications:

- A. 120/240 volt, 1 phase, 3 wire
- B. Ampacity necessary to serve all equipment. Service shall be a minimum 100 amp dedicated to the construction field office.
- C. The electrical panel shall include a main circuit breaker and branch circuit breakers of the size and quantity required.
- D. Additional 120 volt, single phase, 20 amp, isolated ground dedicated power circuit with dual NEMA 5-20 receptacles will be installed at each computer workstation location.
- E. Additional 120 volt, single phase, 20 amp, isolated ground dedicated power circuit with dual NEMA 5-20 receptacles will be installed, for use by the Telephone Company.
- F. Additional 120-volt circuits and duplex outlets as required meeting National Electric Code requirements.
- G. One exterior (outside) wall mounted GFI receptacle, duplex, isolated ground, 120 volt, straight blade.
- H. After work is complete and prior to energizing, the Borough's electrical inspector, must be contacted.

Heating, Ventilation and Air Conditioning (HVAC): The field office shall be equipped with sufficient heating, air conditioning and ventilation equipment to maintain a temperature range of 68°-80° Fahrenheit within the field office.

Data Communications Facility Wiring: Contractor shall install a Category 6 568B patch panel in a central wiring location and Cat 6 cable from the patch panel to each PC station, Smart Board location, Multifunction Laser Printer/Copier/Scanner/Fax, terminating in a (Category 6 568B) wall or surface mount data jack. The central wiring location shall also house either the data circuit with appropriate power requirements or a category 5 cable run to the location of the installed data circuit. The central wiring location will be determined by the CTDOT OIS staff in coordination with the designated field office personnel as soon as the facility is in place.

For Small field offices the Contractor shall run a CAT 6 LAN cable a minimum length of 25 feet for each computer to LAN switch area leaving an additional 10 feet of cable length on each side with terminated RJ45 connectors. For an Extra-Large field office the Contractor shall run CAT 6 LAN cables from workstations, install patch panel in data circuit demark area and terminate runs with RJ45 jacks at each computer location. Terminate runs to patch panel in LAN switch area. Each run / jack shall be clearly labeled with an identifying Jack Number.

The Contractor shall supply cables to connect the Wi-Fi printer to the Contractor supplied internet router and to workstations as needed. These cables shall be separate from the LAN cables and data Jacks detailed above for the Department network.

The Contractor shall provide the field office telephone number(s) to the Project Engineer within 10 calendar days after the signing of the Contract as required by Article 1.08.02. This is required to facilitate data line and computer installations.

Additional Equipment, Facilities and Services: The Contractor shall provide at the field Office at least the following to the satisfaction of the Engineer:

Furnishing Description	Office Size
	Small
	Quantity
Office desk (2.5 ft. x 5 ft.) with drawers, locks, and matching desk chair that have pneumatic seat height adjustment and dual wheel casters on the base.	1
Personal computer tables (4 ft. x 2.5 ft.).	2
Drafting type tables (3 ft. x 6 ft.) and supported by wall brackets and legs; and matching drafters stool that have pneumatic seat height adjustment, seat back and dual wheel casters on the base.	1
Office Chairs.	3
Fire resistant cabinet (legal size/4 drawer), locking.	1
Vertical plan racks for 2 sets of 2 ft. x 3 ft. plans for each rack.	1
White Dry-Erase Board, 36" x 48" min. with markers and eraser.	1
Wastebaskets - 30 gal., including plastic waste bags.	1
Wastebaskets - 5 gal., including plastic waste bags.	1
8 Outlet Power Strip with Surge Protection	3
Rain Gauge	1
Mini refrigerator - 3.2 c.f. min.	1
Hot and cold water dispensing unit. Disposable cups and bottled water shall be supplied by the Contractor for the duration of the project.	1
Microwave, 1.2 c.f. , 1000W min.	1

Fire extinguishers - provide and install type and *number to meet applicable State and local codes for size of office indicated, including a fire extinguisher suitable for use on a computer terminal fire.	*
Field Office Wi-Fi Connection as specified below under <u>Computer Hardware and Software</u>	1
Wi-Fi Printer as specified below under <u>Computer Hardware and Software</u> .	1
First Aid Kit	1

The furnishings and equipment required herein shall remain the property of the Contractor. Any supplies required to maintain or operate the above listed equipment or furnishings shall be provided by the Contractor for the duration of the project.

Computer Hardware and Software: Field Office Wi-Fi Connection, Wi-Fi Printer, as well as associated hardware and software, must meet the requirements of this specification as well as the latest minimum specifications posted, as of the project advertising date, at Departments web site <http://www.ct.gov/dot/cwp/view.asp?a=1410&q=563904>. The Contractor will be solely responsible for the costs of any hardware, software, or services purchased without approval.

The Contractor and/or their internet service provider shall be responsible for the installation and setup of the field office Wi-Fi, Wi-Fi printer, and the configuration of the wireless router.

The Contractor shall provide all supplies, paper, maintenance, service and repairs (including labor and parts) for the Wi-Fi printers, field office Wi-Fi, and other equipment and facilities required by this specification for the duration of the Contract. All repairs must be performed with-in 48 hours. If the repairs require more than a 48 hours then an equal or better replacement must be provided.

Once the Contract has been completed, the hardware and software will remain the property of the Contractor.

First Aid Kit: The Contractor shall supply a first aid kit adequate for the number of personnel expected based on the size of the field office specified and shall keep the first aid kit stocked for the duration that the field office is in service.

Rain Gauge: The Contractor shall supply install and maintain a rain gauge for the duration of the project, meeting these minimum requirements. The rain gauge shall be installed on the top of a post such that the opening of the rain gauge is above the top of the post an adequate distance to avoid splashing of rain water from the top of the post into the rain gauge. The Location of the rain gauge and post shall be approved by the Engineer. The rain gauge shall be made of a durable material and have graduations of 0.1 inches or less with a minimum total column height of 5 inches. If the rain gauge is damaged the Contractor shall replace it prior to the next forecasted storm event at no additional cost.

Insurance Policy: The Contractor shall provide a separate insurance policy, with no deductible, in the minimum amount of five thousand dollars (\$5,000) in order to insure all Borough-owned data equipment and supplies used in the office against all losses. The Contractor shall be named insured on that policy, and the Department shall be an additional named insured on the policy. These losses shall include, but not be limited to: theft, fire, and physical damage. The Department will be responsible for all maintenance costs of Department owned computer hardware. In the event of loss, the Contractor shall provide replacement equipment in accordance with current Department equipment specifications, within seven days of notice of the loss. If the Contractor is unable to provide the required replacement equipment within seven days, the Department may provide replacement equipment and deduct the cost of the equipment from monies due or which may become due the Contractor under the Contract or under any other contract. The Contractor's financial liability under this paragraph shall be limited to the amount of the insurance coverage required by this paragraph. If the cost of equipment replacement required by this paragraph should exceed the required amount of the insurance coverage, the Department will reimburse the Contractor for replacement costs exceeding the amount of the required coverage.

Maintenance: During the occupancy by the Department, the Contractor shall maintain all facilities and furnishings provided under the above requirements, and shall maintain and keep the office quarters clean through the use of weekly professional cleaning to include, but not limited to, washing & waxing floors, cleaning restrooms, removal of trash, etc. Exterior areas shall be mowed and clean of debris. A trash receptacle (dumpster) with weekly pickup (trash removal) shall be provided. Snow removal, sanding and salting of all parking, walkway, and entrance ways areas shall be accomplished during a storm if on a workday during work hours, immediately after a storm and prior to the start of a workday. If snow removal, salting and sanding are not completed by the specified time, the State will provide the service and all costs incurred will be deducted from the next payment estimate.

Method of Measurement: The furnishing and maintenance of the construction field office will be measured for payment by the number of calendar months that the office is in place and in operation, rounded up to the nearest month.

There will not be any price adjustment due to any change in the minimum computer hardware and software requirements.

Basis of Payment: The furnishing and maintenance of the Construction Field Office will be paid for at the Contract unit price per month for "Construction Field Office, Small," which price shall include all material, equipment, labor, service contracts, licenses, software, repair or replacement of hardware and software, related supplies, utility services, parking area, external illumination, trash removal, snow and ice removal, and work incidental thereto, as well as any other costs to provide requirements of this specified this specification.

Pay Item
Construction Field Office, Small

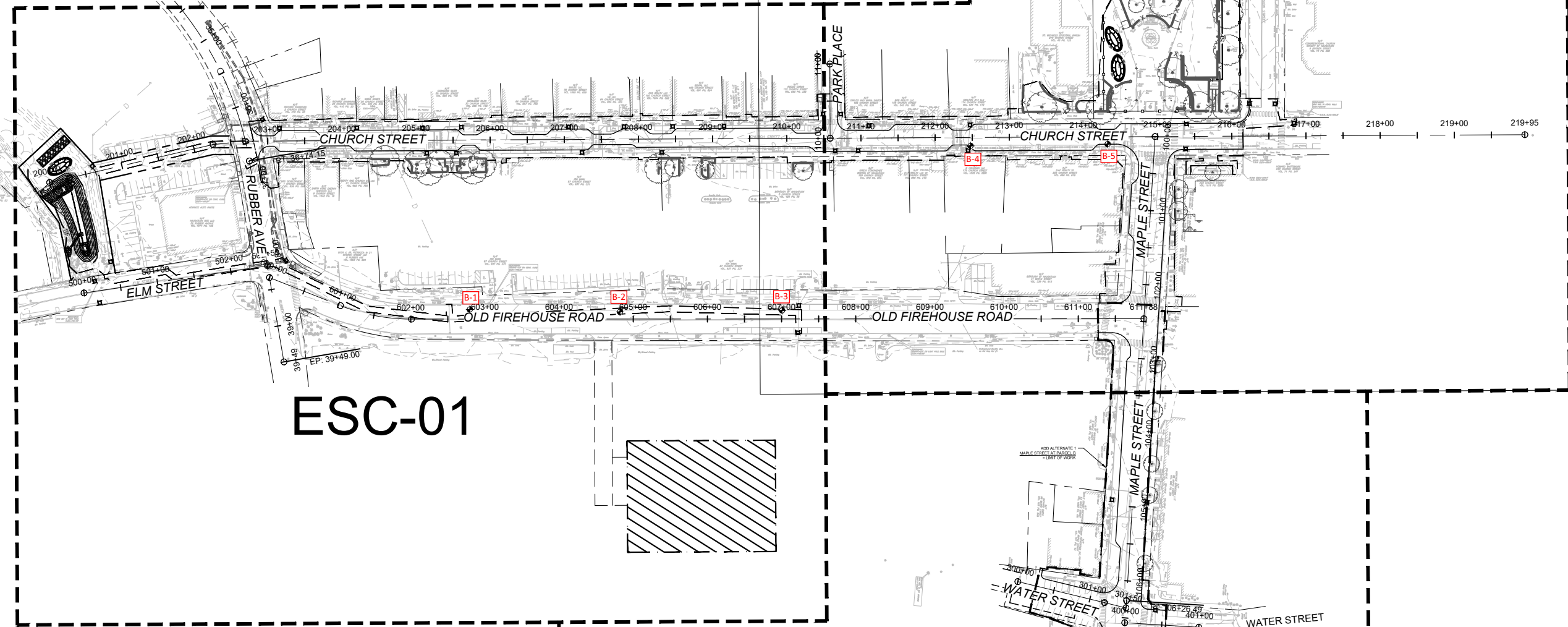
Pay Unit
Month

ATTACHMENT 4

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EROSION AND SEDIMENTATION CONTROL KEY AND LEGEND

- LIMITS OF WORK
- SF TEMPORARY SILT FENCE
- STOCKPILE OF MATERIALS
- ▨ TEMPORARY ANTI-TRACKING PAD
- ▧ EROSION CONTROL BLANKET
- SILT SACK
- TEMPORARY CONSTRUCTION FENCE



ESC-02

ESC-01

ESC-03

EROSION CONTROL NOTES

1. REFERENCE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002), AS AMENDED. THE GUIDELINES SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.
2. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, INFORMING THE GOVERNING AUTHORITY.
3. THE CONTRACTOR MUST KEEP A SUPPLY OF EROSION CONTROL MATERIALS (STRAW BALES, SILT FENCE, BLANKET, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.
4. PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING AT THE DRIP LINE OR AS DETAILED, WITH SNOW FENCE, ORANGE SAFETY FENCE, OR EQUIVALENT FENCING. ANY LIMB TRIMMING SHOULD BE DONE AFTER CONSULTATION WITH AN ARBORIST AND BEFORE CONSTRUCTION BEGINS IN THAT AREA; FENCING MUST BE MAINTAINED AND REPAIRED DURING CONSTRUCTION. REFER TO THE TREE PRESERVATION PLANS.
5. CONSTRUCTION ENTRANCE MUST BE INSTALLED PRIOR TO ANY SITE EXCAVATION, DEMOLITION, OR ANY CONSTRUCTION ACTIVITY AND MUST BE MAINTAINED THROUGHOUT THE DURATION OF ALL CONSTRUCTION.
6. DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE SUCH AS TEMPORARY PIT, SEDIMENT TRAPS, PUMPED FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY WITHIN THE APPROVED LIMIT OF DISTURBANCE. DISCHARGE TO STORM DRAINAGE SYSTEM OR SURFACE WATERS FROM SEDIMENT CONTROL MUST BE CLEAR.
7. THE CONTRACTOR MUST MAINTAIN A CLEAN CONSTRUCTION SITE AND MUST NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES MUST BE MAINTAINED ON-SITE AT ALL TIMES.
8. MAINTAIN EXISTING PAVED AREAS AS LONG AS POSSIBLE.
9. SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAYS DAMP. CALCIUM CHLORIDE MAY ALSO BE APPLIED TO ACCESS ROADS. DUMP TRUCK LOADS EXITING THE SITE MUST BE COVERED. CONTRACTOR MUST PRACTICE EFFECTIVE DUST CONTROL PER THE SOIL CONSERVATION SERVICE HANDBOOK DURING CONSTRUCTION AND UNTIL ALL AREAS ARE STABILIZED OR SURFACE TREATED. THE CONTRACTOR MUST BE RESPONSIBLE FOR THE CLEANING OF NEARBY STREETS, AS ORDERED BY THE BOROUGH ANY DEBRIS FROM THE CONSTRUCTION ACTIVITIES.
10. TURF ESTABLISHMENT MUST BE PERFORMED OVER ALL DISTURBED SOIL, UNLESS THE AREA IS UNDER ACTIVE CONSTRUCTION, IT IS COVERED IN STONE, OR SCHEDULED FOR PAVING WITHIN 30 DAYS. TEMPORARY SEEDING OR NON-LIVING SOIL PROTECTION OF ALL EXPOSED SOILS AND SLOPES MUST BE INITIATED WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK IN AREAS TO BE LEFT LONGER THAN 30 DAYS.

NOTE: APPROXIMATE BORING LOCATIONS SHOWN FOR REFERENCE ONLY.



400 Capital Boulevard, Suite 104
Rocky Hill, CT 06067
Phone: 860-563-7775
www.kleinfelder.com

LANDSCAPE ARCHITECT

Richter & Cegan Inc.

88 CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669
CONTACT NAME: Gary Guimond
EMAIL: gguimond@richtercegan.com



DRAWING ISSUE		
REV	DESCRIPTION	DATE

REVISIONS				
REV	DESCRIPTION	DSN	CHK	DATE

ISSUED FOR CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

SCALE: 1" = 100' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 100 200
SCALE: 1" = 100' SCALE IN FEET
ORIGINAL DRAWING SIZE IS 22 x 34

OVERALL EROSION AND SEDIMENTATION CONTROL PLAN
DOWNTOWN SANITARY, STORMWATER AND STREETScape IMPROVEMENTS
BOROUGH OF NAUGATUCK



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

ISSUED FOR CONSTRUCTION	
PROJECT NO. 20225069.002A	
ISSUE DATE 06/30/2023	
CURRENT REVISION IFC	
DESIGNED BY K.VIOLETTE	
DRAWN BY J.PERKINS	
CHECKED BY P. KING	
APPROVED BY N.KULIKAUSKAS	

SK-01 ESC-00 APPROXIMATE BORING LOCATION

PLOTTED: 6/29/2023 11:54 PM BY: karnethi.madeindon CAD FILE: C:\pwworking\kleinfelder\proj\20225069_002\20225069_002\ESC-0223\5069_002\ESC-0223.dwg LAYOUT: ESC-00

SAMPLE/SAMPLER TYPE GRAPHICS



AUGER
STANDARD PENETRATION SPLIT SPOON SAMPLER
 (2 in. (50.8 mm.) outer diameter and 1-3/8 in. (34.9 mm.) inner diameter)

GROUND WATER GRAPHICS

- WATER LEVEL (level where first observed)
- WATER LEVEL (level after exploration completion)
- WATER LEVEL (additional levels after exploration)
- OBSERVED SEEPAGE

NOTES

- The report and graphics key are an integral part of these logs. All data and interpretations in this log are subject to the explanations and limitations stated in the report.
- Lines separating strata on the logs represent approximate boundaries only. Actual transitions may be gradual or differ from those shown.
- No warranty is provided as to the continuity of soil or rock conditions between individual sample locations.
- Logs represent general soil or rock conditions observed at the point of exploration on the date indicated.
- In general, Unified Soil Classification System designations presented on the logs were based on visual classification in the field and were modified where appropriate based on gradation and index property testing.
- Fine grained soils that plot within the hatched area on the Plasticity Chart, and coarse grained soils with between 5% and 12% passing the No. 200 sieve require dual USCS symbols, i.e., GW-GM, GP-GM, GW-GC, GP-GC, GC-GM, SW-SM, SP-SM, SW-SC, SP-SC, SC-SM.
- If sampler is not able to be driven at least 6 inches then 50/X indicates number of blows required to drive the identified sampler X inches with a 140 pound hammer falling 30 inches.

ABBREVIATIONS

WOH - Weight of Hammer
WOR - Weight of Rod

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2487)

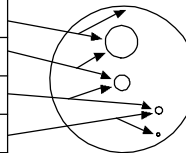
GRAVELS (More than half of coarse fraction is larger than the #200 sieve)	CLEAN GRAVEL WITH <5% FINES	Cu ≥ 4 and 1 ≤ Cc ≤ 3		GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES	
		Cu < 4 and/or 1 > Cc > 3		GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES	
	GRAVELS WITH 5% TO 12% FINES	Cu ≥ 4 and 1 ≤ Cc ≤ 3		GW-GM	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES	
				GW-GC	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES	
		Cu < 4 and/or 1 > Cc > 3		GP-GM	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES	
				GP-GC	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES	
	GRAVELS WITH > 12% FINES			GM	SILTY GRAVELS, GRAVEL-SILT-SAND MIXTURES	
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES	
				GC-GM	CLAYEY GRAVELS, GRAVEL-SAND-CLAY-SILT MIXTURES	
	COARSE GRAINED SOILS (More than half of material is smaller than the #4 sieve)	CLEAN SANDS WITH <5% FINES	Cu ≥ 6 and 1 ≤ Cc ≤ 3		SW	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
			Cu < 6 and/or 1 > Cc > 3		SP	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
		SANDS WITH 5% TO 12% FINES	Cu ≥ 6 and 1 ≤ Cc ≤ 3		SW-SM	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
				SW-SC	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES	
Cu < 6 and/or 1 > Cc > 3				SP-SM	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES	
				SP-SC	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES	
SANDS WITH > 12% FINES				SM	SILTY SANDS, SAND-GRAVEL-SILT MIXTURES	
				SC	CLAYEY SANDS, SAND-GRAVEL-CLAY MIXTURES	
				SC-SM	CLAYEY SANDS, SAND-SILT-CLAY MIXTURES	
FINE GRAINED SOILS (Half or more of material is smaller than the #200 sieve)		SILTS AND CLAYS (Liquid Limit less than 50)		ML	INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY	
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
				CL-ML	INORGANIC CLAYS-SILTS OF LOW PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
	SILTS AND CLAYS (Liquid Limit 50 or greater)		OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY		
			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT		
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS		
		OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM-TO-HIGH PLASTICITY			

NOTE: USE MATERIAL DESCRIPTION ON THE LOG TO DEFINE A GRAPHIC THAT MAY NOT BE PROVIDED ON THIS LEGEND.

 KLEINFELDER <i>Bright People. Right Solutions.</i>	PROJECT NO.: 20225069.002A	GRAPHICS KEY Downtown Sanitary and Sewer improvements Downtown Naugatuck Naugatuck, CT
	DRAWN BY: NJ CHECKED BY: MR DATE: 11/22/2022	

GRAIN SIZE

DESCRIPTION	SIEVE SIZE	GRAIN SIZE	APPROXIMATE SIZE
Boulders	>12 in. (304.8 mm.)	>12 in. (304.8 mm.)	Larger than basketball-sized
Cobbles	3 - 12 in. (76.2 - 304.8 mm.)	3 - 12 in. (76.2 - 304.8 mm.)	Fist-sized to basketball-sized
Gravel	coarse 3/4 - 3 in. (19 - 76.2 mm.)	3/4 - 3 in. (19 - 76.2 mm.)	Thumb-sized to fist-sized
	fine #4 - 3/4 in. (#4 - 19 mm.)	0.19 - 0.75 in. (4.8 - 19 mm.)	Pea-sized to thumb-sized
Sand	coarse #10 - #4	0.079 - 0.19 in. (2 - 4.9 mm.)	Rock salt-sized to pea-sized
	medium #40 - #10	0.017 - 0.079 in. (0.43 - 2 mm.)	Sugar-sized to rock salt-sized
	fine #200 - #40	0.0029 - 0.017 in. (0.07 - 0.43 mm.)	Flour-sized to sugar-sized
Fines	Passing #200	<0.0029 in. (<0.07 mm.)	Flour-sized and smaller



SECONDARY CONSTITUENT

Term of Use	AMOUNT	
	Secondary Constituent is Fine Grained	Secondary Constituent is Coarse Grained
Trace	<5%	<15%
With	≥5 to <15%	≥15 to <30%
Modifier	≥15%	≥30%

MOISTURE CONTENT

DESCRIPTION	FIELD TEST
Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, usually soil is below water table

CEMENTATION

DESCRIPTION	FIELD TEST
Weakly	Crumbles or breaks with handling or slight finger pressure
Moderately	Crumbles or breaks with considerable finger pressure
Strongly	Will not crumble or break with finger pressure

CONSISTENCY - FINE-GRAINED SOIL

CONSISTENCY	SPT - N ₆₀ (# blows / ft)	Pocket Pen (tsf)	UNCONFINED COMPRESSIVE STRENGTH (Q _u)(psf)	VISUAL / MANUAL CRITERIA
Very Soft	<2	PP < 0.25	<500	Thumb will penetrate more than 1 inch (25 mm). Extrudes between fingers when squeezed.
Soft	2 - 4	0.25 ≤ PP <0.5	500 - 1000	Thumb will penetrate soil about 1 inch (25 mm). Remolded by light finger pressure.
Medium Stiff	4 - 8	0.5 ≤ PP <1	1000 - 2000	Thumb will penetrate soil about 1/4 inch (6 mm). Remolded by strong finger pressure.
Stiff	8 - 15	1 ≤ PP <2	2000 - 4000	Can be imprinted with considerable pressure from thumb.
Very Stiff	15 - 30	2 ≤ PP <4	4000 - 8000	Thumb will not indent soil but readily indented with thumbnail.
Hard	>30	4 ≤ PP	>8000	Thumbnail will not indent soil.

REACTION WITH HYDROCHLORIC ACID

DESCRIPTION	FIELD TEST
None	No visible reaction
Weak	Some reaction, with bubbles forming slowly
Strong	Violent reaction, with bubbles forming immediately

APPARENT / RELATIVE DENSITY - COARSE-GRAINED SOIL

APPARENT DENSITY	SPT-N ₆₀ (# blows/ft)	MODIFIED CA SAMPLER (# blows/ft)	CALIFORNIA SAMPLER (# blows/ft)	RELATIVE DENSITY (%)
Very Loose	<4	<4	<5	0 - 15
Loose	4 - 10	5 - 12	5 - 15	15 - 35
Medium Dense	10 - 30	12 - 35	15 - 40	35 - 65
Dense	30 - 50	35 - 60	40 - 70	65 - 85
Very Dense	>50	>60	>70	85 - 100

FROM TERZAGHI AND PECK, 1948

PLASTICITY

DESCRIPTION	LL	PI
Non-Plastic	NP	NP
Low	< 30	< 15
Medium	30 - 50	15 - 25
High	> 50	> 25

LL is from Casagrande, 1948. PI is from Holtz, 1959.

STRUCTURE

DESCRIPTION	CRITERIA
Stratified	Alternating layers of varying material or color with layers at least 1/4-in. thick, note thickness.
Laminated	Alternating layers of varying material or color with the layer less than 1/4-in. thick, note thickness.
Fissured	Breaks along definite planes of fracture with little resistance to fracturing.
Slickensided	Fracture planes appear polished or glossy, sometimes striated.
Blocky	Cohesive soil that can be broken down into small angular lumps which resist further breakdown.
Lensed	Inclusion of small pockets of different soils, such as small lenses of sand scattered through a mass of clay; note thickness.

ANGULARITY

DESCRIPTION	CRITERIA
Angular	Particles have sharp edges and relatively plane sides with unpolished surfaces.
Subangular	Particles are similar to angular description but have rounded edges.
Subrounded	Particles have nearly plane sides but have well-rounded corners and edges.
Rounded	Particles have smoothly curved sides and no edges.



PROJECT NO.: 20225069.002A
 DRAWN BY: NJ
 CHECKED BY: MR
 DATE: 11/22/2022

SOIL DESCRIPTION KEY

Downtown Sanitary and Sewer improvements
 Downtown Naugatuck
 Naugatuck, CT

PLOTTED: 11/22/2022 11:30 AM BY: Njamba

Date Begin - End: 11/04/2022	Drilling Company: NEBC	BORING LOG B-1
Logged By: N. Jamba	Drill Crew: R. Posa	
Hor.-Vert. Datum: NAD83 - NAVD88	Drilling Equipment: CME-53	Hammer Type - Drop: 140 lb. Auto - 30 in.
Plunge: -90 degrees	Drilling Method: Hollow Stem Auger	
Weather: Clear, 60°F	Auger Diameter: 4 in. I.D.	

Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Additional Tests/ Remarks	
		Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
		Ground Surface Elevation (ft.): 189.00 Surface Condition: Bituminous Pavement												
		5" BITUMINOUS PAVEMENT												
		Dark gray, dense, fine to coarse SAND and GRAVEL, little silt, trace asphalt, PID = 0.1	188.4	BC=29 20 18 28	16"									
		Light gray, dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.2	187.0	BC=26 20 17 11	12"									
185		Light gray, medium dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.1		BC=10 7 9 22	22"									
5														
180		Dark gray, very dense, GRAVEL and SAND, little silt, PID = 0.1	179.5	BC=100/2"	4"									
10		The boring was terminated at approximately 9.5 ft. below ground surface. The boring was backfilled with cuttings and sand on November 04, 2022.												
		<p>GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.</p> <p>GENERAL NOTES: 1- Ground surface elevations based on a survey titled "Right of way / topographic survey- existing conditions plan" prepared by Kleinfelder. 2- A PID (ppmv) was used for environmental field screening. 3- Where strata breaks are not observed in the split spoon samples, strata breaks are inferred based on observation of drill rig behavior (rig bouncing and chattering), change in auger/rollerbit penetration resistance, drill cuttings and changes in drilling water color.</p>												
175														
15														
170														

PROJECT NUMBER: 20225069.002A OFFICE FILTER: ROCKY HILL GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2022.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20225069.002A
DRAWN BY: NJ
CHECKED BY: MR
DATE: 11/22/2022

BORING LOG B-1

Downtown Sanitary and Sewer improvements
Downtown Naugatuck
Naugatuck, CT

PLOTTED: 11/22/2022 11:30 AM BY: Njamba

Date Begin - End: 11/04/2022	Drilling Company: NEBC	BORING LOG B-2
Logged By: N. Jamba	Drill Crew: R. Posa	
Hor.-Vert. Datum: NAD83 - NAVD88	Drilling Equipment: CME-53	Hammer Type - Drop: 140 lb. Auto - 30 in.
Plunge: -90 degrees	Drilling Method: Hollow Stem Auger	
Weather: Clear, 60°F	Auger Diameter: 4 in. I.D.	


Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							
		Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
		Ground Surface Elevation (ft.): 190.00 Surface Condition: Bituminous Pavement											
		5" BITUMINOUS PAVEMENT											
		Light gray, very dense, fine to coarse SAND and GRAVEL, little silt, trace asphalt, PID = 0.6	189.4	BC=28 48 40 29	19"								
		Dark brown, very dense, fine to coarse SAND and GRAVEL, little silt, PID = 7.4	188.0	BC=30 38 26 20	20"								
185		Dark brown, dense, fine to coarse SAND and GRAVEL, some silt, PID = 1.3		BC=23 17 18 19	20"								
		Dark gray, very dense, GRAVEL and SAND, little silt, PID = 0.1	180.5	BC=100/5"	5"								

The boring was terminated at approximately 9.5 ft. below ground surface. The boring was backfilled with cuttings and sand on November 04, 2022.

GROUNDWATER LEVEL INFORMATION:
Groundwater was not observed during drilling or after completion.

GENERAL NOTES:
1- Ground surface elevations based on a survey titled "Right of way / topographic survey- existing conditions plan" prepared by Kleinfelder.
2- A PID (ppmv) was used for environmental field screening.
3- Where strata breaks are not observed in the split spoon samples, strata breaks are inferred based on observation of drill rig behavior (rig bouncing and chattering), change in auger/rollerbit penetration resistance, drill cuttings and changes in drilling water color.

PROJECT NUMBER: 20225069.002A
OFFICE FILTER: ROCKY HILL
GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2022.GLB [KLF_BORING/TEST PIT SOIL LOG]

	PROJECT NO.: 20225069.002A	BORING LOG B-2
	DRAWN BY: NJ CHECKED BY: MR DATE: 11/22/2022	Downtown Sanitary and Sewer improvements Downtown Naugatuck Naugatuck, CT

PLOTTED: 11/22/2022 11:30 AM BY: Njamba

Date Begin - End: 11/04/2022	Drilling Company: NEBC	BORING LOG B-3
Logged By: N. Jamba	Drill Crew: R. Posa	
Hor.-Vert. Datum: NAD83 - NAVD88	Drilling Equipment: CME-53	Hammer Type - Drop: 140 lb. Auto - 30 in.
Plunge: -90 degrees	Drilling Method: Hollow Stem Auger	
Weather: Clear, 60°F	Auger Diameter: 4 in. I.D.	

Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								
		Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks	
		Ground Surface Elevation (ft.): 189.00 Surface Condition: Bituminous Pavement												
		5" BITUMINOUS PAVEMENT												
		Light gray, very dense, fine to coarse SAND and GRAVEL, little silt, trace asphalt, PID = 0.0	188.4	BC=29 29 35 26	17"									
		Light brown, very dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.0	187.0	BC=21 31 48 41	17"									
185		Light gray, very dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.0		BC=85 40 70 50	20"									
5														
180		Light gray, very dense, GRAVEL and SAND, little silt, PID = 29.0	179.5	BC=100/5"	5"									
10		<p>The boring was terminated at approximately 9.5 ft. below ground surface. The boring was backfilled with cuttings and sand on November 04, 2022.</p> <p>GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.</p> <p>GENERAL NOTES: 1- Ground surface elevations based on a survey titled "Right of way / topographic survey- existing conditions plan" prepared by Kleinfelder. 2- A PID (ppmv) was used for environmental field screening. 3- Where strata breaks are not observed in the split spoon samples, strata breaks are inferred based on observation of drill rig behavior (rig bouncing and chattering), change in auger/rollerbit penetration resistance, drill cuttings and changes in drilling water color.</p>												
175														
15														
170														

PROJECT NUMBER: 20225069.002A
OFFICE FILTER: ROCKY HILL
GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2022.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.:
20225069.002A

DRAWN BY: NJ

CHECKED BY: MR

DATE: 11/22/2022

BORING LOG B-3


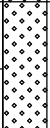


Downtown Sanitary and Sewer improvements
Downtown Naugatuck
Naugatuck, CT

Page: 1 of 1

PLOTTED: 11/22/2022 11:30 AM BY: Njamba

BORING LOG B-4

Date Begin - End: 11/04/2022 **Drilling Company:** NEBC
Logged By: N. Jamba **Drill Crew:** R. Posa
Hor.-Vert. Datum: NAD83 - NAVD88 **Drilling Equipment:** CME-53 **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear, 60°F **Auger Diameter:** 4 in. I.D.

Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							
		Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
		Ground Surface Elevation (ft.): 202.00 Surface Condition: Bituminous Pavement											
		5" BITUMINOUS PAVEMENT											
200		Dark brown, very dense, fine to coarse SAND and GRAVEL, little silt, trace asphalt, PID = 0.1	201.4	BC=19 29 28 30	13"								
		Light gray, very dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.1	200.0	BC=20 23 30 40	18"								
5		Light gray, very dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.0		BC=38 100/5"	12"								
195													
10		Dark gray, very dense, GRAVEL and SAND, little silt, PID = 0.1		BC=7 32 100/5"	19"								
191		The boring was terminated at approximately 11 ft. below ground surface. The boring was backfilled with cuttings and sand on November 04, 2022.											
190		<p>GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.</p> <p>GENERAL NOTES: 1- Ground surface elevations based on a survey titled "Right of way / topographic survey- existing conditions plan" prepared by Kleinfelder. 2- A PID (ppmv) was used for environmental field screening. 3- Where strata breaks are not observed in the split spoon samples, strata breaks are inferred based on observation of drill rig behavior (rig bouncing and chattering), change in auger/rollerbit penetration resistance, drill cuttings and changes in drilling water color.</p>											
185													

PROJECT NUMBER: 20225069.002A
OFFICE FILTER: ROCKY HILL
GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2022.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.:
20225069.002A

DRAWN BY: NJ

CHECKED BY: MR

DATE: 11/22/2022

BORING LOG B-4

Downtown Sanitary and Sewer improvements
Downtown Naugatuck
Naugatuck, CT

PLOTTED: 11/22/2022 11:30 AM BY: Njamba

Date Begin - End: 11/04/2022	Drilling Company: NEBC	BORING LOG B-5
Logged By: N. Jamba	Drill Crew: R. Posa	
Hor.-Vert. Datum: NAD83 - NAVD88	Drilling Equipment: CME-53	Hammer Type - Drop: 140 lb. Auto - 30 in.
Plunge: -90 degrees	Drilling Method: Hollow Stem Auger	
Weather: Clear, 60°F	Auger Diameter: 4 in. I.D.	

Elevation (feet) Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Additional Tests/ Remarks
		Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
		Ground Surface Elevation (ft.): 201.00 Surface Condition: Bituminous Pavement											
		5" BITUMINOUS PAVEMENT											
200		Dark gray, medium dense, fine to coarse SAND and GRAVEL, little silt, trace asphalt, PID = 0.0	200.4	BC=23 13 10 11	14"								
		Light gray, medium dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.0	199.0	BC=15 15 12 15	8"								
5		Light gray, medium dense, fine to coarse SAND and GRAVEL, little silt, PID = 0.0		BC=22 17 9 11	7"								
195													
		Dark gray, very dense, GRAVEL and SAND, little silt, PID = 0.0	194.5	BC=100/5"	4"								
10		The boring was terminated at approximately 9.5 ft. below ground surface. The boring was backfilled with cuttings and sand on November 04, 2022.											
190		<p>GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.</p> <p>GENERAL NOTES: 1- Ground surface elevations based on a survey titled "Right of way / topographic survey- existing conditions plan" prepared by Kleinfelder. 2- A PID (ppmv) was used for environmental field screening. 3- Where strata breaks are not observed in the split spoon samples, strata breaks are inferred based on observation of drill rig behavior (rig bouncing and chattering), change in auger/rollerbit penetration resistance, drill cuttings and changes in drilling water color.</p>											
185													

PROJECT NUMBER: 20225069.002A
OFFICE FILTER: ROCKY HILL
GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2022.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.:
20225069.002A

DRAWN BY: NJ

CHECKED BY: MR

DATE: 11/22/2022

BORING LOG B-5

Downtown Sanitary and Sewer improvements
Downtown Naugatuck
Naugatuck, CT