

WATERBURY PUBLIC SCHOOLS

Meeting Agenda

Group/Team:	BOE Building & School Facilities Committee			
Location:	Date of Meeting:	Start Time:	Finish Time:	
Aldermanic Chambers City Hall Live/Via Teleconference	Thursday April 9, 2020	5:30 p.m.		

Team Norms:

1. All meetings will start on time
2. All issues will be approached with a positive attitude
3. A specific agenda will be set for all meetings
4. All team members will agree to stay on specific agenda topics
5. Decisions regarding future directions will be based upon actual data

Purpose of Meeting – Instructional Focus:

Agenda Items – (Items should reflect next steps from previous meeting.)

[illegible]



OFFICE OF THE DIRECTOR OF FINANCE
THE CITY OF WATERBURY
CONNECTICUT

Date: April 7, 2020

To: Paul Pernerewski, President, Board of Aldermen
Members, Board of Aldermen
Board of Education Commissioners
Mayor Neil M. O'Leary
Dr. Verna Ruffin, Superintendent of Schools
William Clark, Waterbury Public Schools Chief Operating Officer

From: Michael LeBlanc, Director of Finance *MLL*

Subject: Amendment No. 1 to Agreement with Newfield Construction Group, LLC for Construction Manager at Risk Services for the Wendell L. Cross Pre-K to 8th Grade School Construction Project – RFP No. 6337

Kindly give favorable consideration by approving the attached Amendment No. 1 to the Agreement with Newfield Construction Group, LLC to provide construction manager at risk services for the construction of the Pre-K to 8th Grade School Wendell L. Cross School.

This Amendment No. 1 establishes a Guaranteed Maximum Price (GMP) of \$40,686,638 for the Construction of the Wendell L. Cross Pre-K to 8th Grade School. The GMP is comprised of a Pre-construction Services GMP (Phase I & Phase II) in the amount of \$10,563,795 and a Phase III - Construction Services GMP in the amount of \$30,122,843. The Construction Manager (Newfield Construction Group, LLC) guarantees not to exceed the amount provided for in this Guaranteed Maximum Price Amendment, subject to additions and deductions for Changes in the Work and other adjustments as provided for in the Contract Documents. Such maximum sum as adjusted by approved Changes in the Work is referred to in the Contract Documents as the Guaranteed Maximum Price.

Additionally, this Amendment No. 1 establishes that the date of final Substantial Completion as provided for in Section 8.3 of the Agreement shall be amended to July 31, 2021, provided that, as of July 15, 2021 any required interior and exterior areas shall be available for access to necessary City personnel including but not limited to information technology, inspection, Board of Education administrators and professionals and vendors associated with the Project.

The current approved Project Budget of \$46,213,082 provides funding for the Construction GMP of \$40,686,638, Project Soft Costs of \$4,302,112 and a Project Management Contingency of \$1,224,332 or 3% of the Construction GMP.

**AMENDMENT NO. 1 TO AGREEMENT BETWEEN
CITY AND CONSTRUCTION MANAGER**

**GUARANTEED MAXIMUM PRICE FOR ADDITIONAL PRE-CONSTRUCTION SERVICES AND FOR
CONSTRUCTION PHASE WORK**

Pursuant to Articles 4, 5, 6 and 7 of the Agreement for Construction Manager at Risk Services dated June 5, 2019 between **The City of Waterbury, Connecticut** (the "City") and **Newfield Construction Group, LLC** (the "Construction Manager") (the "Agreement"), for the Wendell L. Cross Pre-K to 8th Grade School Construction Project, located in Waterbury, CT (the "Project"), the City and the Construction Manager hereby establish the following Guaranteed Maximum Price ("GMP") and Contract Time for the Work as set forth below.

ARTICLE I

GUARANTEED MAXIMUM PRICE FOR ADDITIONAL PRE-CONSTRUCTION SERVICES

The Construction Manager's GMP for the Additional Pre-Construction Services Work as set forth in the Agreement and herein, including the estimated Cost of the Work as defined in Articles 4, 5 and 7 and the Construction Manager's Fee as defined in Article 5, is **TEN MILLION FIVE HUNDRED SIXTY-THREE THOUSAND SEVEN HUNDRED NINETY-FIVE DOLLARS AND THIRTEEN CENTS (\$10,563,795.13)**, based upon the following:

Exhibit A October 7, 2019 Notice to Proceed with Additional Pre-Construction Services: Pre-Demolition of Hazardous Materials, Demolition of Buildings and/or Portions of Buildings; and Disposal and Management of Demolition Debris, including all exhibits and attachments.

Exhibit B March 6, 2020 Notice to Proceed with Phase 2 Services: Site Construction Services, Landscaping, Concrete & Metals, including all exhibits and attachments.

ARTICLE II

GUARANTEED MAXIMUM PRICE FOR CONSTRUCTION PHASE WORK

The Construction Manager's GMP for the Construction Phase Work as set forth herein, including the estimated Cost of the Work as defined in Articles 4, 6 and 7 and the Construction Manager's Fee as defined in Article 6, is - **THIRTY MILLION ONE HUNDRED TWENTY-TWO THOUSAND EIGHT HUNDRED FORTY-TWO DOLLARS AND FOURTY-NINE CENTS (\$30,122,842.49)**, based upon the following:

Exhibit A GMP Summary

Exhibit B CM Staffing and Reimbursables

Exhibit C Allowances

Exhibit D Alternates

Exhibit E Assumptions and Exclusions

Exhibit F Contract Documents- Lists of Specifications, Drawings, Bulletins

Exhibit G Unit Prices

Exhibit H Construction Schedule

**ARTICLE III
CONTRACT TIME**

The date of final Substantial Completion as provided for in Section 8.3 of the Agreement shall be amended to July 31, 2021, provided that, as of July 15, 2021 any required interior and exterior areas shall be available for access to necessary City personnel including but not limited to information technology, inspection, Board of Education administrators and professionals and vendors associated with the Project. City shall provide the Construction Manager with a list of personnel that require access with the corresponding areas they need access to at least two (2) business days prior to their expected presence at the Project. Construction Manager shall ensure that all areas to be accessed pursuant to this provision, including but not limited to ingress and egress areas, achieve regulatory standards and are safe and appropriate for City personnel.

**ARTICLE IV
NOTICE**

Section 14.6 of the Agreement is amended to include the following person for whom notice shall be provided with respect to the Construction Manager:

Mr. Tom DiMauro
Vice President
Newfield Construction Group, LLC
225 Newfield Avenue
Hartford, CT 06106

CITY

The City of Waterbury, CT

(Signature)

(Printed Name and Title)

Date: _____

CONSTRUCTION MANAGER

Newfield Construction Group, LLC

(Signature)

(Printed Name and Title)

Date: _____

Wendell Cross Elementary School, Phase 3
Guaranteed Maximum Price (GMP)

Bid Package	Firm	Value
3.01 Cleaning	Orissa	75,600.00
3.02 Masonry	Connecticut Mason Cont.	3,087,000.00
3.03 General Trades	Scope Construction	4,557,000.00
3.04 Visual Display/Toilet Rm. Equip.	Scope Construction	included above
3.05 Roofing	Young Developers	1,034,000.00
3.06 Firestopping	New Haven Firestop	130,000.00
3.07 Aluminum Openings	Lockheed Window	1,691,000.00
3.08 Drywall	Conn Acoustics	2,910,389.00
3.09 Acoustical Ceilings	J&J Acoustics	467,190.00
3.10 Resilient Floors	Barall & Konover	878,000.00
3.11 Tile & Carpet	Barall & Konover	175,000.00
3.12 Painting	M&P Painting	242,900.00
3.13 Food Service Equipment	11400 Inc.	343,600.00
3.14 Fire Protection	W&M Fire Protection	440,000.00
3.15 Plumbing, 3.16 Mechanical (combo)	Sullivan/Benson Co.	7,529,000.00
3.16 Mechanical	Sullivan/Benson Co.	included above
3.17 Electrical	Statewide Electric	3,317,000.00
3.18 Fire Alarm	Net Services	248,000.00
Total Trade Contractor Costs		27,125,679.00
CM Staffing		1,365,810.00
CM Reimbursables		271,460.00
Heat Energy Consumption Allowance		250,000.00
Site Security Allowance		185,000.00
CM Contingency (1%)		273,756.79
CM Fee (1.2%)		351,440.47
State Permit Fee		(12,632.26)
CM Performance & Payment Bond (.68%)		201,453.50
Total		30,011,967.49
Pre-construction Fee		110,875.00
Total Phase 3 GMP		30,122,842.49

GMP Summary		
Phase 1 GMP	Abatement & Demo	1,544,080.18
Phase 2 GMP	Site, Concrete & Steel	9,019,714.95
Phase 3 GMP	Building Construction	30,122,842.49
Total		40,686,637.62

Exhibit B
CM Staffing and Reimbursables

March 10, 2020

Wendell Cross Elementary School				
	Phase 3 (17 months)			
	Qty	Unit	Unit cost	Ext
CM Staffing Phase 3				
Project Manager	3287	MH	125.00	410,875.00
Superintendent	3114	MH	120.00	373,680.00
Asst. Super/QC	2595	MH	110.00	285,450.00
Project Engineer 1	3114	MH	70.00	217,980.00
BIM Coordinator	345	MH	105.00	36,225.00
Safety Officer(Credit from Ph 2)	(160.00)	MH	85.00	(13,600.00)
Safety Consultant	69.00	Inspec	800.00	55,200.00
Total Phase 3 CM Staff				1,365,810.00
Phase 3				
Reimbursables				
Office Trailer	17	mo	1,500.00	25,500.00
Trailer Install Remove	0	ea	10,000.00	0.00
Office Furniture	0	ea	5,000.00	0.00
Office Equipment	0	ea	5,000.00	0.00
Office Supplies	17	mo	200.00	3,400.00
Postage Fedx	17	mo	500.00	8,500.00
Copier	17	mo	500.00	8,500.00
Computers	0	ea	2,500.00	0.00
IT Support	17	mo	350.00	5,950.00
Internet	17	mo	150.00	2,550.00
Payroll	17	mo	800.00	13,600.00
Procure	30,270,000	\$	0.001	30,270.00
Telephones Equip. Installed	0	ea	1,500.00	0.00
Telephones Monthly	17	mo	400.00	6,800.00
Cell Phones	17	mo	750.00	12,750.00
Office Utilities	17	mo	500.00	8,500.00
Water Coffee	17	mo	125.00	2,125.00
First Aid	0	ea	2,500.00	0.00
Signage	0	ea	3,000.00	0.00
Reproduction	0	ea	7,500.00	0.00
Photos	17	mo	400.00	6,800.00
GL Insurance	30,270,000	\$	0.0045	136,215.00
Total Ph 3 Reimbursables				271,460.00

**EXHIBIT C
ALLOWANCES****Construction Manager/Owner Allowances**

	<u>Value</u>
1. Heat Energy Consumption	\$250,000.00
2. Site Security	\$185,000.00

All allowance values are included in the GMP value.

**EXHIBIT D
ALTERNATES**

There are no Alternates for the Phase 3 GMP.

**EXHIBIT E
ASSUMPTIONS AND EXCLUSIONS**

All items below are excluded from Newfield's Guaranteed Maximum Price.

1. All City of Waterbury building permit fees for the general building permit and all other permits.
2. Applicable Connecticut Sales and Use taxes.
3. Builder's Risk Insurance Coverage and deductibles for Builder's Risk claims.
4. Modifications to the existing elevator in excess of \$25,000.00.
5. The GMP value is based on the assumption that the recommended trade contractors accept the award.
6. Formal acceptance of this GMP on or before June 1, 2020 is required to maintain the GMP schedule and cost. City approved contract awards must proceed by March 19, 2020.
7. Resource and cost loaded schedules will not be provided.
8. Removal of all polluted, hazardous, petroleum impacted or contaminated soils not identified in the documents. All hazardous materials testing, hazardous materials monitoring, soils characterizations and required hazardous materials final reports.
9. Special inspection services, testing for special inspection requirements. Owner required testing not indicated in the documents. Storm water inspections, reports, monitoring and sampling.
10. All second shift and overtime work. We have assumed Project work will be performed Monday through Friday, on first shift. Limited Saturday work has been included for critical trades. CM supervision is included for this work .
11. A fourteen calendar day Design Team review period for all submittals has been assumed. A seven calendar day Design Team response time for Requests for Information has been assumed.
12. Technology equipment (except for equipment shown in the Contract Documents), furniture, fixtures and equipment including administration of purchases, delivery and installation.
13. FFE, Technology and other Town vendors shall include disposal of all their waste including cardboard. Town vendors shall provide ceiling tile replacement, floor and door protection as required for their work. These items are not included in the GMP.
14. Playscape equipment and surfacing (except base shown in the Contract Documents) including administration of purchases, delivery and installation. Town vendor shall provide protection of landscaped area and hardscapes. Repairs caused by the installation of the playscapes are not included.
15. Contingencies- An Owner Controlled Contingency is not included in the GMP. A Construction Manager's Contingency (CM Contingency) is included. All unused portions of the CM Contingency shall be credited back to the Owner.

16. Where the specifications include a list of approved manufacturers and vendors, it is assumed that the listed manufacturers and vendors products will not require different or additional infrastructure, supports, electrical feed sizes, power requirements or modifications to any other building component other than what is shown on the Contract Documents.
17. Out of scope items are items that are not shown in the Contract Documents including but not limited to design deficiencies, unforeseen conditions and Owner requested items.
18. Change Orders- The Construction Manager's Fee (1.2%) and Insurance (.45%) shall be added to the cost of the work for all change orders. Bonding costs shall be reconciled and adjusted as required at the end of the Project per OSCG Guidelines.
19. Construction Manager/Owner Allowances- All unused portions of Construction Manager/Owner Allowances shall be credited back to the Owner including the Construction Manager's Fee.

**EXHIBIT F
CONTRACT DOCUMENTS**

1. Project specifications. List attached.
2. Project drawings. List attached
3. Bulletins. List attached.

List of Specifications**DIVISION 00 – BIDDING AND PROCUREMENT REQUIREMENTS**

001100	INVITATION TO BID	2
002100	INSTRUCTIONS TO BIDDERS, AIA DOCUMENT A701	10
002213	SUPPLEMENTAL INSTRUCTION TO BIDDERS	1
002400	BID PACKAGES	56
003126	EXISTING HAZARDOUS MATERIALS INFORMATION (Phase II)	1
	HAZARDOUS BUILDING MATERIALS INSPECTION REPORT (Phase II)	
003132	GEOTECHNICAL DATA (Phase II)	2
	GEOTECHNICAL REPORT (Phase II)	
003135	CONTRACT COMPLIANCE DOCUMENTS	39
004126	BID PROPOSAL FORM	6
005200	AGREEMENT BETWEEN THE CONSTRUCTION MANAGER & TRADE CONTRACTOR	25
005400	CITY HIRING ORDINANCE	12
005900	CONTRACTOR'S QUALIFICATION STATEMENT, AIA DOCUMENT A305	4
006100	BID BOND, AIA DOCUMENT A310	2
007100	AGREEMENT & GENERAL CONDITIONS BETWEEN THE CITY OF WATERBURY & NEWFIELD CONSTRUCTION	133
007200	SPECIAL PROJECT CONDITIONS	31
007343	WAGE RATES	40

DIVISION 01 - GENERAL REQUIREMENTS

011000	SUMMARY	7
012200	UNIT PRICES	2
012600	CONTRACT MODIFICATION PROCEDURES	3
012900	PAYMENT PROCEDURES	5
013100	PROJECT MANAGEMENT AND COORDINATION	10
	CAD FILES AGREEMENT	1
	REVIT FILES AGREEMENT	1
013200	CONSTRUCTION PROGRESS DOCUMENTATION	9
013300	SUBMITTAL PROCEDURES	13
014000	QUALITY REQUIREMENTS	8
014104	SPECIAL INSPECTIONS AND STRUCTURAL TESTING	4
014200	REFERENCES	2
015000	TEMPORARY FACILITIES AND CONTROLS	9
	PROJECT SIGN (Phase I)	1
015713	TEMPORARY EROSION AND SEDIMENTATION CONTROLS	11
015714	TEMPORARY DUST CONTROL	4
016000	PRODUCT REQUIREMENTS	9
017300	EXECUTION	7

017329	CUTTING AND PATCHING	4
017419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL	7
017423	FINAL CLEANING	3
017700	CLOSEOUT PROCEDURES	5
017823	OPERATION AND MAINTENANCE DATA	8
017839	PROJECT RECORD DOCUMENTS	4
017900	DEMONSTRATION AND TRAINING	7
018113	SUSTAINABLE DESIGN REQUIREMENTS	7
	CTHPB PROPOSED PROJECT STRATEGY CHECKLIST	1
018119	INDOOR AIR QUALITY REQUIREMENTS	7
019113	GENERAL COMMISSIONING REQUIREMENTS	44

DIVISION 02 – EXISTING CONDITIONS (Phase II)

024113	UTILITY DEMOLITION AND ABANDONMENT	11
024116	STRUCTURE DEMOLITION	8
024123	SITE DEMOLITION	6
028100	TRANSPORTATION & DISPOSAL OF MISCELLANEOUS MATERIALS	4
028200	ASBESTOS ABATEMENT	22
028319	LEAD PAINT AWARENESS	9
028416	HANDLING OF PCBs / DEHP AND MERCURY	4
028433	PCB-CONTAINING BUILDING MATERIALS	19

DIVISION 03 - CONCRETE

031004	CONCRETE FORMWORK (Phase II)	4
032004	CONCRETE REINFORCEMENT (Phase II)	4
033004	CAST-IN-PLACE CONCRETE (Phase II)	12
033200	SITE CAST-IN-PLACE CONCRETE (Phase II)	20
034500	PRECAST ARCHITECTURAL CONCRETE	12

DIVISION 04 - MASONRY

042000	UNIT MASONRY	26
044313.16	ADHERED STONE MASONRY VENEER	9

DIVISION 05 - METALS

051204	STRUCTURAL STEEL (Phase II)	5
052004	STEEL JOISTS (Phase II)	3
053004	METAL DECKING (Phase II)	4
054000	COLD FORMED METAL FRAMING	9
054404	COLD FORMED METAL ROOF TRUSS SYSTEMS	9
055000	METAL FABRICATIONS	10
055100	METAL STAIRS	9
057300	DECORATIVE METAL RAILINGS	8
057500	DECORATIVE FORMED METAL	6

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

061053	MISCELLANEOUS ROUGH CARPENTRY	7
061600	SHEATHING	10
064023	INTERIOR ARCHITECTURAL WOODWORK	15

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

071326	SELF-ADHERING SHEET WATERPROOFING (Phase II)	8
072100	THERMAL INSULATION	8
072113	FOUNDATION INSULATION (Phase II)	4
072713	SHEET AIR BARRIERS	9
072729	WATER-RESISTIVE AIR-BARRIER MEMBRANES	8
073113	ASPHALT SHINGLES	8
074646	FIBER CEMENT SIDING	8
075423	THERMOPLASTIC POLYOLEFIN (TPO) ROOFING	13
076200	SHEET METAL FLASHING AND TRIM	10
077100	ROOF SPECIALTIES	9
077253	SNOW GUARDS	3
078100	APPLIED FIREPROOFING	9
078413	PENETRATION FIRESTOPPING	9
078446	FIRE-RESISTIVE JOINT SYSTEMS	7
079200	JOINT SEALANTS	12
079500	EXPANSION CONTROL	8

DIVISION 08 – OPENINGS

081113	HOLLOW METAL DOORS AND FRAMES	10
081416	FLUSH WOOD DOORS	7
083113	ACCESS DOORS AND FRAMES	6
083313	COILING COUNTER DOORS	9
083453	BULLET RESISTANT OPENING PROTECTION	12
084113	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS	14
084433	FIRE-RATED GLAZED CURTAIN WALLS	11
087100	DOOR HARDWARE	17
	OPENINGS SCHEDULE	15
088000	GLAZING	15
088300	MIRRORS	6
088853	SECURITY GLAZING	12
089119	FIXED LOUVERS	6

DIVISION 09 – FINISHES

092116	GYPSUM BOARD ASSEMBLIES	18
092116.23	GYPSUM BOARD SHAFT WALL ASSEMBLIES	7
093100	TILING	13
095113	ACOUSTICAL PANEL CEILINGS	10
096466	WOOD ATHLETIC FLOORING	9

096513	RESILIENT BASE AND ACCESSORIES	8
096516	RESILIENT SHEET FLOORING	9
096519	RESILIENT TILE FLOORING	10
096566	RESILIENT ATHLETIC FLOORING	9
096813	TILE CARPETING	9
098413	FIXED SOUND-ABSORPTIVE PANELS	6
098436	SOUND ABSORBING CEILING UNITS	3
099100	PAINTING	14
099666	WATER VAPOR EMISSION CONTROL SYSTEM	6

DIVISION 10 - SPECIALTIES

101100	VISUAL DISPLAY SURFACES	7
101200	DISPLAY CASES	6
101400	SIGNAGE	10
	SIGNAGE SCHEDULE	7
	SIGNAGE SKETCHES	16
101443	PHOTOLUMINESCENT EGRESS PATH MARKING SYSTEM	3
102113	TOILET COMPARTMENTS	5
102123	CUBICLES	5
102600	WALL PROTECTION	5
102800	TOILET AND BATH ACCESSORIES	8
104116	EMERGENCY KEY CABINETS	3
104400	FIRE PROTECTION SPECIALTIES	8
105113	METAL LOCKERS	10
107500	FLAGPOLES (Phase II)	4
108213	EQUIPMENT SCREENS	7

DIVISION 11 - EQUIPMENT

114000	FOOD SERVICE EQUIPMENT (Refer to Appendix)	
115213	PROJECTION SCREENS	6
116143	PLATFORM CURTAINS	9
116623	GYMNASIUM EQUIPMENT	10
116643	INTERIOR SCOREBOARDS	4
116653	GYMNASIUM DIVIDERS	6
119000	MISCELLANEOUS EQUIPMENT	5

DIVISION 12 – FURNISHINGS

122413	ROLLER WINDOW SHADES	11
123551	MUSIC EDUCATION STORAGE SYSTEMS	6
123553.19	WOOD LABORATORY CASEWORK	13
123661	SIMULATED STONE COUNTERTOPS	6
126600	TELESCOPING STANDS	7

DIVISION 13 – SPECIAL CONSTRUCTION

134400	MEZZANINES	3
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DIVISION 14 – CONVEYING EQUIPMENT

142400	HYDRAULIC ELEVATORS	15
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DIVISION 21 – FIRE SUPPRESSION

210400	GENERAL CONDITIONS FOR FIRE SUPPRESSION TRADES	20
210500	COMMON WORK RESULTS FOR FIRE SUPPRESSION	9
210516	EXPANSION FITTINGS AND LOOPS FOR FIRE-SUPPRESSION PIPING	5
210523	GENERAL DUTY VALVES PIPE AND FITTINGS FOR FIRE SUPPRESSION	9
210548	VIBRATION AND SEISMIC CONTROLS FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT	7
210800	COMMISSIONING OF FIRE SUPPRESSION SYSTEMS	9
211313	WET-PIPE SPRINKLER SYSTEMS	10

DIVISION 22 – PLUMBING

220400	GENERAL CONDITIONS FOR PLUMBING TRADES	21
220500	COMMON WORK RESULTS FOR PLUMBING	3
220503	PIPES AND TUBES FOR PLUMBING PIPING AND EQUIPMENT	18
220513	COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT	4
220516	EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING	5
220523	GENERAL-DUTY VALVES FOR PLUMBING PIPING	8
220529	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT	12
220548	VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT	8
220553	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT	7
220700	PLUMBING INSULATION	11
220800	COMMISSIONING OF PLUMBING SYSTEMS	10
221100	FACILITY WATER DISTRIBUTION AND PLUMBING SPECIALTIES	20
221200	HIGH EFFICIENCY GAS DOMESTIC WATER HEATERS	8
221319	FLOW MAINTENANCE FOR UNDERGROUND, SANITARY GREASE WASTE	6
221320	FREEZE PROTECTION OF WALK-IN FREEZER AND REFRIGERATOR CONDENSATE PIPING	6
221123	FACILITY NATURAL GAS PIPING	12
224000	PLUMBING FIXTURES	10

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

230400	GENERAL CONDITIONS FOR MECHANICAL TRADES	21
230500	COMMON WORK RESULTS FOR HVAC	3
230513	COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT	3
230516	EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING	5
230517	SLEEVES AND SLEEVE SEALS FOR HVAC PIPING	4
230523	GENERAL-DUTY VALVES FOR HVAC PIPING	6
230529	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT	13
230548	VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT	26

230553	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	7
230593	TESTING, ADJUSTING, AND BALANCING FOR HVAC	10
230700	HVAC INSULATION	14
230800	COMMISSIONING OF HVAC SYSTEMS	14
230900	DIRECT-DIGITAL CONTROL SYSTEM FOR HVAC	30
230993	SEQUENCE OF OPERATIONS FOR HVAC CONTROLS	23
230995	VARIABLE FREQUENCY CONTROLLERS	6
232113	HYDRONIC PIPING	9
232116	HYDRONIC PIPING SPECIALTIES	12
232123	HYDRONIC PUMPS	6
232300	REFRIGERANT PIPING	14
232500	HVAC WATER TREATMENT	5
233100	HVAC DUCTS AND CASINGS	14
233300	AIR DUCT ACCESSORIES	11
233400	HVAC FANS	8
233600	AIR TERMINAL UNITS	7
234000	HVAC AIR CLEANING DEVICES	7
235100	BREECHINGS, CHIMNEYS AND STACKS	6
235234	HOT WATER CONDENSING BOILERS	9
236411	PACKAGED WATER CHILLERS - HELICAL ROTARY SCREW	12
237413	AIR-HANDLING UNITS	22
238127	VARIABLE REFRIGERANT VOLUME MINI-SPLIT SYSTEMS	5
238200	CONVECTION HEATING UNITS	8
238300	RADIANT HEATING UNITS	7
<u>DIVISION 26 – ELECTRICAL</u>		
260400	GENERAL CONDITIONS FOR ELECTRICAL	20
260503	EQUIPMENT WIRING CONNECTIONS	3
260519	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES	14
260526	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS	12
260529	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	6
260533	RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS	8
260534	FLOOR BOXES FOR ELECTRICAL SYSTEMS	4
260553	IDENTIFICATION FOR ELECTRICAL SYSTEMS	12
260573	OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY	4
260800	COMMISSIONING OF ELECTRICAL SYSTEMS	10
260923	LIGHTING CONTROL DEVICES	6
260961	STAGE LIGHTING CONTROLS	8
262200	LOW-VOLTAGE TRANSFORMERS	4
262413	SWITCHBOARDS	13
262416	PANELBOARDS	7
262726	WIRING DEVICES	9
262813	FUSES	4

262819	ENCLOSED SWITCHES	3
262923	VARIABLE FREQUENCY MOTOR CONTROLLERS	8
263213	ENGINE GENERATORS	14
263223	AUTOMATIC TRANSFER SWITCHES	10
264113	LIGHTNING PROTECTION FOR STRUCTURES	5
265061	STAGE LIGHTING FIXTURES	10
265100	LIGHTING	13

DIVISION 27 – COMMUNICATIONS

270529	HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS	6
270533	CONDUITS AND BACKBOXES FOR COMMUNICATIONS SYSTEMS	9
271100	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	8
271300	COMMUNICATIONS BACKBONE CABLING	13
271500	COMMUNICATIONS HORIZONTAL CABLING	14
275116	PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS	16
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EP1.7	ELECTRICAL POWER UPPER LEVEL FLOOR PLAN - AREA A
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T1.4	MAIN LEVEL TECHNOLOGY - AREA B
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Bulletins

<u>Bulletin</u>	<u>Date Issued</u>
3.1	February 6, 2020
3.2	February 11, 2020
3.3	February 12, 2020
3.4	February 19, 2020
3.5	February 21, 2020
3.6	February 26, 2020
3.7	February 27, 2020

**EXHIBIT G
UNIT PRICES**

The unit prices listed below do not include a Construction Manager's Fee.

The following unit prices shall be the basis for computing extra costs to the contract for additional work. For deleted work, the credit to the contract shall be the same. Unit prices shall include costs for all materials, equipment, tools, small tools, labor, permits, fees, overhead, profit, supervision, home office support, project management, estimating, safety, travel, shop drawings and as built drawings for all parties involved in the work. Unit prices shall apply to both the trade contractors and their subcontractors. All work is to be accomplished in accordance with applicable Sections of the Specifications and State and federal regulations.

C.Y.= cubic yard	S.F.= square foot	GB= glove bag
S.Y.= square yard	HR= hour	GAL= gallon
L.F.= linear foot	LB= pound	EA=Each

BID PACKAGE 3.02 MASONRY**1. Loose Lintels:**

Description: Loose lintels including detailing and shop drawings according to Division 05 Section "Metal Fabrications."

\$3.25/LB.

BID PACKAGE 3.03 GENERAL TRADES**2. Miscellaneous Metals:**

Description: Miscellaneous sections, including detailing and shop drawings according to Division 05 Section "Metal Fabrications."

\$6.00/LB.

BID PACKAGE 3.17 ELECTRICAL**3. Duplex Receptacle:**

Description: Duplex receptacle including 50-feet of wiring materials according to Division 26 Section "Electrical."

\$171.76/EA.

4. Quad Receptacle:

Description: Quad receptacle including 50-feet of wiring materials according to Division 26 Section "Electrical."

\$178.02/EA.

5. Outlet Box:

Description: Outlet box including wiring raceway for CATV, telephone or data according to Division 27 "Telecommunications" Sections.

\$297.89/EA.

6. Exit Light:

Description: Exit light, including 30-feet of wiring, according to Division 26 Section "Electrical."

\$277.46/EA.

7. Ceiling Mounted Occupancy Sensor:

Description: Ceiling mounted occupancy sensor including 50' of wiring, power packs, testing and adjusting according to Division 26 "Electrical".

\$294.63/EA.

8. Wall Mounted Occupancy Sensor:

Description: Wall mounted occupancy sensor including 50' of wiring, backbox, raceway, testing and adjusting according to Division 26 "Electrical".

\$246.28/EA.

9. Motion Detector:

Description: Motion detector according to Division 28 "Electronic Safety and Security".

\$242.49/EA.

10. Card Reader:

Description: Provide wall mounted card reader including 50' of wiring, raceway, programming, testing and commissioning according to Division 28 "Electronic Safety and Security".

\$1,109.49/EA.

11. Door Contact:

Description: Provide door jamb mounted door contact including 20' of wiring, raceway, programming, testing, and commissioning according to Division 28 "Electronic Safety and Security".

\$295.02/EA

BID PACKAGE 3.18 FIRE ALARM

12. Fire Alarm Horn/Strobe:

Description: Fire Alarm Horn/Strobe, including 30-feet of wiring, raceway, programming, testing, and commissioning in accordance with Division 26 "Electrical" and Division 28, " Electronic Safety and Security".

\$305.00/EA.

13. Fire Alarm Pull Station:

Description: Fire alarm manual pull station, including 30-feet of wiring, raceway, programming, testing, and commissioning in accordance with Division 26 "Electrical" and Division 28 "Electronic Safety and Security".

\$335.00/EA.

14. Fire Alarm Smoke Detector:

Description: Ceiling mounted fire alarm smoke detector including 30' of wiring, raceway, programming, testing and commissioning in accordance with Division 26 "Electrical" and Division 28 "Electronic Safety and Security".

\$350.00/EA.

15. Fire Alarm Duct Smoke Detector:

Description: Duct mounted fire alarm smoke detector including 5' long sampling tube, 30' of wiring, raceway, programming, testing, and commissioning in accordance with Division 26 "Electrical" and Division 28 "Electronic Safety and Security".

\$680.00/EA

Exhibit H Wendell Cross Elementary School Page 1 of 1

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Newfield
CONSTRUCTION
A STYING INC., 4000 W. 10TH ST., SUITE 100, DENVER, CO 80202

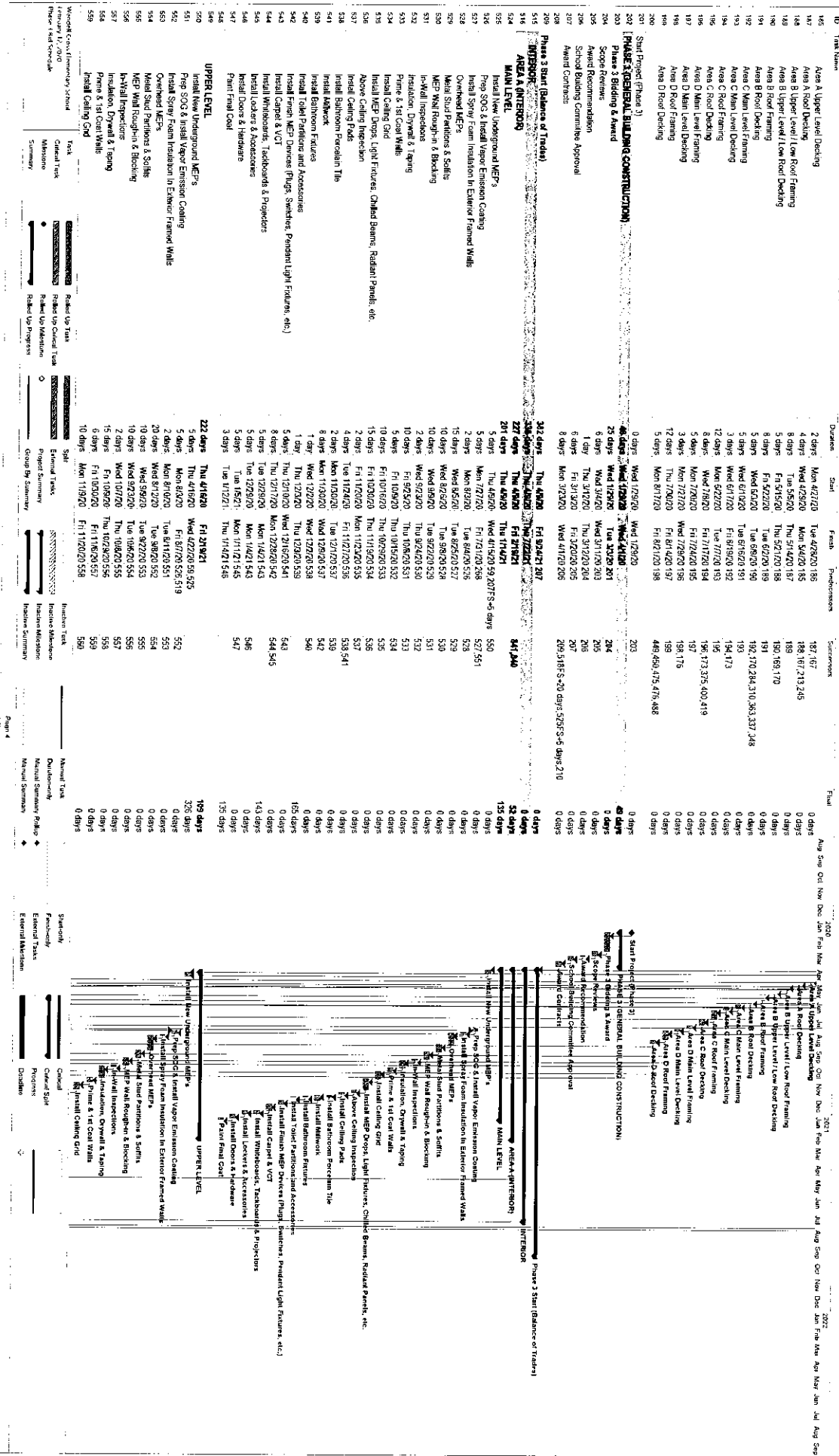


Newfield
CONSTRUCTION
A STYING INC., 4000 W. 10TH ST., SUITE 100, DENVER, CO 80202

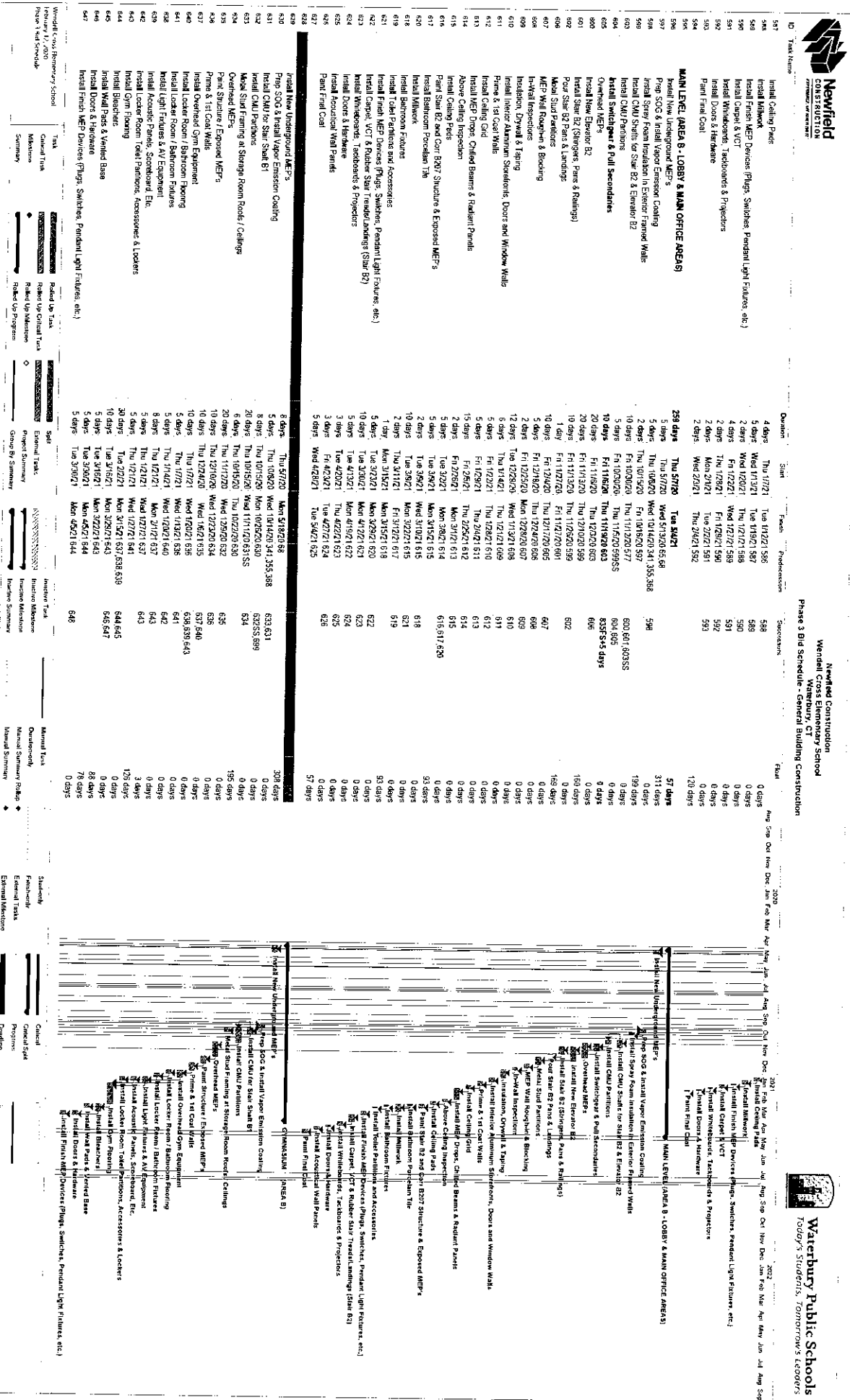


Newfield Construction
Wendell Cross Elementary School
Waterbury, CT

Waterbury Public Schools
Today's Students. Tomorrow's Leaders



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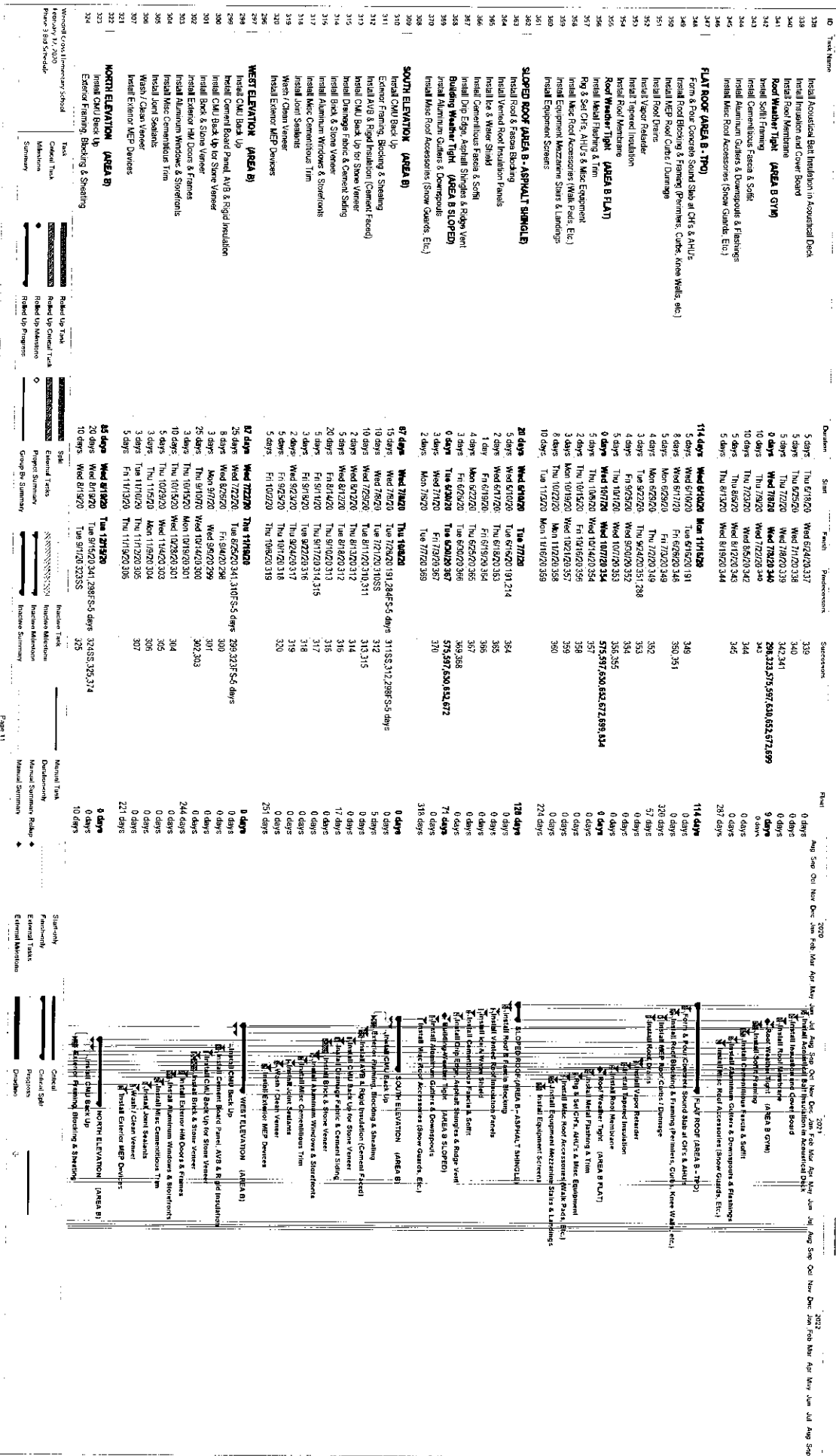


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Today's Students, Tomorrow's Leaders

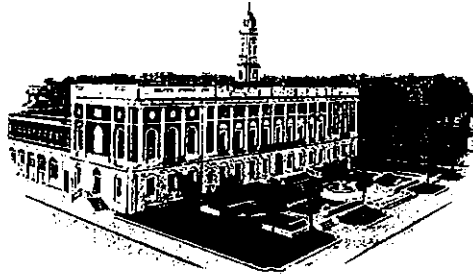
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Today's students. Tomorrow's leaders.

[illegible]

MICHAEL LeBLANC
DIRECTOR OF FINANCE



PHONE: (203) 574-6840

OFFICE OF THE DIRECTOR OF FINANCE

THE CITY OF WATERBURY
CONNECTICUT

October 7, 2019

Mr. Tom DiMauro
Mr. Damien Davis
Newfield Construction Group, LLC
225 Newfield Avenue
Hartford CT 06106

Re: Construction of Wendell L. Cross Pre-K to 8th Grade School
Notice To Proceed With Additional Pre-Construction Services: Pre-Demolition of
Hazardous Materials, Demolition of Buildings and/or Portions of Buildings; and Disposal
and Management of Demolition Debris.

Dear Mr. DiMauro & Mr. Davis,

This letter serves as the City of Waterbury's formal "NOTICE TO PROCEED" to Newfield Construction Group, LLC's ("Newfield") for the Additional Pre-Construction Services of Pre-Demolition of Hazardous Materials, Demolition of Buildings and/or Portions of Buildings; and Disposal and Management of Demolition Debris (collectively the "Additional Pre-Construction Services") as provided for in Article 5 of the Agreement between the City of Waterbury and Newfield Construction Group, LLC for Construction Manager at Risk Services for the Construction of Wendell L. Cross Pre-K to 8th Grade School dated June 5, 2019 (the "Agreement").

The Additional Pre-Construction Services are to be performed in compliance with the Newfield Proposal, including Exhibits A through G, dated October 1, 2019 and attached to this letter as Exhibit A, for a guaranteed maximum price of **One Million Five-Hundred Forty-Four Thousand Eighty Dollars and 18/100 Cents (\$1,544,080.18)**.

Attached to this letter is Revised Purchase Order #169516 originally dated June 5, 2019 which has been revised to an amount of \$4,314,916 to incorporate bid package 1.01 Demolition in the amount of \$1,150,000.00. Terms for performance of services and payment for the Additional Pre-Construction Services and date of substantial completion are as set forth in the Agreement.

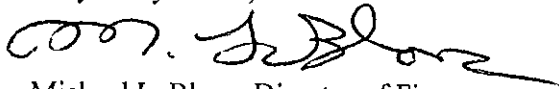
The City reserves its right to withhold as retainage five (5 %) percent of any payment (or monetary sum otherwise required by law) owed to Newfield to be withheld from payments to

Newfield until such time as Newfield's work and services to be provided under the Agreement are fully completed and accepted in writing by the City. The retainage to be withheld does not include additional sums that the City may withhold due to Newfield's failure to comply with provisions of the Agreement.

The guaranteed maximum price for the Additional Pre-Construction Services shall be included in the First Amendment to the Agreement with the Construction Phase services to be provided and any other pre-construction phase services the City and Newfield agree upon in accordance with Section 5.1.3 of the Agreement.

Kindly contact me should you have any questions or require additional information.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "M. LeBlanc", with a long horizontal flourish extending to the right.

Michael LeBlanc, Director of Finance

Cc: *via email:*

William F. Clark, Esq, Chief Operating Officer, Waterbury Public Schools
Kenneth Russo, CPE, Senior Project Manager, Waterbury Development Corporation
Michael A. Sorano, AIA, Vice President, Friar Architecture
Bryce Sens, RA, Senior Project Manager, Friar Architecture

October 1, 2019

Newfield Construction Group, LLC
225 Newfield Avenue
Hartford CT 06106

PROPOSAL: Wendell L. Cross Pre-K to 8th Grade School
Additional Pre-Construction Services: Pre-Demolition of Hazardous Materials,
Demolition of Buildings and/or Portions of Buildings; and Disposal and Management of
Demolition Debris.

GUARANTEED MAXIMUM PRICE FOR CONSTRUCTION PHASE WORK

Pursuant to Paragraph 5.1 of the Agreement for Construction Manager at Risk Services dated June 5, 2019 between The City of Waterbury, Connecticut (the "City") and Newfield Construction Group, L.L.C (the "Construction Manager") (the "Agreement"), for the Wendell L. Cross Pre-K to 8th Grade School Construction Project, located in Waterbury, CT (the "Project"), the City and the Construction Manger hereby establish a Guaranteed Maximum Price ("GMP") and Contract Time for the Additional Pre-Construction Services of Pre-Demolition of Hazardous Materials, Demolition of Buildings and/or Portions of Buildings; and Disposal and Management of Demolition Debris (collectively the "Additional Pre-Construction Services") as set forth below.

GUARANTEED MAXIMUM PRICE

The Construction Manager's proposed Guaranteed Maximum Price ("GMP") for the Additional Pre-Construction Services as set forth herein, including the estimated Cost of the Work as defined in Articles 6 and 7 and the Construction Manager's Fee as defined in Article 6, is **One Million Five Hundred Forty Four Thousand Eighty Dollars and 18/100 Cents (\$1,544,080.18)**, based upon the following:

Exhibit A GMP Summary

Exhibit B CM Staffing and Reimbursables

Exhibit C Allowances

Exhibit D Assumptions and Exclusions

Exhibit E Contract Documents- Lists of Specifications, Drawings, Bulletins

Exhibit F Unit Prices

Exhibit G Construction Schedule

CONTRACT TIME

The date of Substantial Completion is as set forth in the Agreement.

Wendell Cross Elementary School, Phase 1
Guaranteed Maximum Price (GMP)

Bid Package	Firm	Value
1.01 Demolition	American	1,150,000.00
Total Trade Contractor Costs		1,150,000.00
CM Staffing		65,125.00
CM Reimbursables		65,105.00
Utility Company Fees Allowance		40,000.00
Advertising Allowance		10,000.00
Electrical Consumption Allowance		150,000.00
Phase 1 Survey Allowance		5,000.00
CM Contingency (1% of Trade Costs)		34,500.00
CM Fee (1.2%)		15,475.50
CM Performance & Payment Bond (.68%)		8,874.68
Total Phase 1 GMP		1,544,080.18

Exhibit B
CM Staffing and Reimbursables

Wendell Cross Elementary School					
Phase 1					
CM Staffing					
Superintendent (Pre-con)				65,125.00	
Phase 1					
Reimbursables					
Office Trailer	3	mo	1,500.00	4,500.00	
Trailer Install Remove	1	ea	10,000.00	10,000.00	
Office Furniture	1	ea	5,000.00	5,000.00	
Office Equipment	1	ea	5,000.00	5,000.00	
Office Supplies	3	mo	200.00	600.00	
Postage Fedx	3	mo	500.00	1,500.00	
Copier	3	mo	500.00	1,500.00	
Computers	1	ea	2,500.00	2,500.00	
IT Support	3	mo	350.00	1,050.00	
Internet	3	mo	150.00	450.00	
Payroll	3	mo	800.00	2,400.00	
Procure	1,500,000	\$	0.001	1,500.00	
Telephones Equip. Installed	1	ea	1,500.00	1,500.00	
Telephones Monthly	3	mo	400.00	1,200.00	
Cell Phones	3	mo	750.00	2,250.00	
Office Utilities	3	mo	500.00	1,500.00	
Water Coffee	3	mo	125.00	375.00	
First Aid	1	ea	2,500.00	2,500.00	
Signage	1	ea	3,000.00	3,000.00	
Reproduction	1	ea	7,500.00	7,500.00	
Photos	3	mo	400.00	1,200.00	
GL Insurance	1,500,000	\$	0.0045	6,750.00	
Project Sign	1	ea	1,330.00	1,330.00	
Total Reimbursables				65,105.00	

**EXHIBIT C
ALLOWANCES****Construction Manager/Owner Allowances**

	<u>Value</u>
1. Utility Company Fees	\$40,000.00
2. Advertising	\$10,000.00
3. Electrical Consumption	\$150,000.00
4. Phase 1 Survey	\$ 5,000.00

All allowance values are included in the GMP value.

**EXHIBIT D
ASSUMPTIONS AND EXCLUSIONS**

All items below are excluded from Newfield's Guaranteed Maximum Price.

1. All City of Waterbury building permit fees for the general building permit and all other permits.
2. Applicable Connecticut Sales and Use taxes.
3. Builder's Risk Insurance Coverage and deductibles for builders risk claims.
4. Night watchman and security services.
5. Rock investigation, excavation and removal.
6. Removal of all polluted, hazardous, petroleum impacted or contaminated soils not identified in the documents.
7. All hazardous materials testing, hazardous materials monitoring, soils characterizations and required hazardous materials final reports.
8. Special inspection services, testing for special inspection requirements. Owner required testing not indicated in the documents.
9. All second shift and overtime work. We have assumed Project work will be performed Monday through Friday, on first shift.

EXHIBIT E
CONTRACT DOCUMENTS

1. Project specifications. List attached.
2. Project drawings. List attached
3. Bulletins. List attached.

List of Specifications**DIVISION 00 – INFORMATION AVAILABLE TO BIDDERS**

001100	INVITATION TO BID
002100	INSTRUCTIONS TO BIDDERS, AIA DOCUMENT A701
002213	SUPPLEMENTAL INSTRUCTION TO BIDDERS
002400	BID PACKAGES
003113	PRELIMINARY CONSTRUCTION SCHEDULE
003126	EXISTING HAZARDOUS MATERIALS INFORMATION HAZARDOUS BUILDING MATERIALS INSPECTION REPORT
003135	CONTRACT COMPLIANCE DOCUMENTS
004126	BID PROPOSAL FORM
005200	FORM OF AGREEMENT BETWEEN THE CONSTRUCTION MANAGER & TRADE CONTRACTOR
005400	CITY HIRING ORDINANCE
005900	CONTRACTOR'S QUALIFICATION STATEMENT, AIA DOCUMENT A305
006100	BID BOND, AIA DOCUMENT A310
007100	AGREEMENT & GENERAL CONDITIONS BETWEEN THE CITY OF WATERBURY & NEWFIELD CONSTRUCTION
007200	SPECIAL PROJECT CONDITIONS
007343	WAGE RATES

DIVISION 01 - GENERAL REQUIREMENTS

011000	SUMMARY
012200	UNIT PRICES
012600	CONTRACT MODIFICATION PROCEDURES
012900	PAYMENT PROCEDURES
013100	PROJECT MANAGEMENT AND COORDINATION
013200	CONSTRUCTION PROGRESS DOCUMENTATION
013300	SUBMITTAL PROCEDURES
014000	QUALITY REQUIREMENTS
014200	REFERENCES
015000	TEMPORARY FACILITIES AND CONTROLS PROJECT SIGN
016000	PRODUCT REQUIREMENTS
017300	EXECUTION
017329	CUTTING AND PATCHING
017419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
017700	CLOSEOUT PROCEDURES

DIVISION 02 – EXISTING CONDITIONS

024113	UTILITY DEMOLITION AND ABANDONMENT
024116	STRUCTURE DEMOLITION
024123	SITE DEMOLITION
028100	TRANSPORTATION & DISPOSAL OF MISCELLANEOUS MATERIALS

028200	ASBESTOS ABATEMENT
028319	LEAD PAINT AWARENESS
028416	HANDLING OF PCBs / DEHP AND MERCURY
028433	PCB-CONTAINING BUILDING MATERIALS

List of Drawings

COVER

C-1.0 OVERALL SITE PLAN FOR REFERENCE ONLY

C-1.2 SITE DEMOLITION PLAN

SL-01 SITE LOGISTICS PLAN

HA-100 HAZMAT ABATEMENT BASEMENT LEVEL

HA-101 HAZMAT ABATEMENT FIRST FLOOR

D1.1 DEMOLITION BASEMENT PLAN

D1.2 DEMOLITION FIRST FLOOR PLAN

Bulletins

<u>Bulletin</u>	<u>Date Issued</u>
1.1	August 30, 2019
1.2	September 12, 2019

**EXHIBIT F
UNIT PRICES**

The unit prices listed below do not include a Construction Manager's Fee.

The following unit prices shall be the basis for computing extra costs to the contract for additional work. For deleted work, the credit to the contract shall be the same. Unit prices shall include costs for all materials, equipment, tools, small tools, labor, permits, fees, overhead, profit, supervision, home office support, project management, estimating, safety, travel, shop drawings and as built drawings for all parties involved in the work. Unit prices shall apply to both the trade contractors and their subcontractors. All work is to be accomplished in accordance with applicable Sections of the Specifications and State and federal regulations.

cu yd= cubic yard (measured in place)	sf= square foot	fit= fittings	gal= gallon
sq yd= square yard	hr= hour	cont= container	
lf= linear foot	lb= pound	cu ft= cubic foot	

BID PACKAGE 1.01 DEMOLITION

Item No. 1 – MINI CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS ABATEMENT (up to 100 SF of material removal)

\$ 1,000.00 per containment

Item No. 2 – SMALL CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS ABATEMENT (>100-250 SF of material removal)

\$ 1,800.00 per containment

Item No. 3 – MEDIUM CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS ABATEMENT (>250-750 SF of material removal)

\$ 2,500.00 per containment

Item No. 4 – LARGE CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS ABATEMENT (>750-2,500 SF of material removal)

\$ 5,000.00 per containment

Item No. 5 – ASBESTOS MUDDER PIPE FITTING INSULATION REMOVAL AND DISPOSAL AS ACM

\$ 16.00 per fitting

Item No. 6 – ASBESTOS MUDDER PIPE FITTING INSULATION REMOVAL AND DISPOSAL AS ACM VIA GLOVE BAG

\$ 75.00 per glove bag

Item No. 7 – ASBESTOS PIPE INSULATION REMOVAL AND DISPOSAL AS ACM

\$ 12.00 per linear foot

Item No. 8 – ASBESTOS ROOF DRAIN FITTING INSULATION REMOVAL AND DISPOSAL AS ACM
VIA GLOVE BAG

\$ 125.00 _____ per glove bag

Item No. 9 – ASBESTOS ROOF DRAIN INSULATION REMOVAL AND DISPOSAL AS ACM

\$ 25.00 _____ per linear foot

Item No. 10 – ASBESTOS FIRE DOOR CORE INSULATION REMOVAL AND DISPOSAL AS ACM

\$ 125.00 _____ per door unit

Item No. 11 – ASBESTOS FLOOR TILE AND MASTIC REMOVAL AND DISPOSAL AS ACM

\$ 2.50 _____ per square foot

Item No. 12 – ASBESTOS PAINT ON DUCTWORK REMOVAL AND DISPOSAL AS ACM

\$ 3.00 _____ per square foot

Item No. 13 – ASBESTOS PAPER ON LIGHT FIXTURES REMOVAL AND DISPOSAL AS ACM

\$ 35.00 _____ per light unit

Item No. 14 – ASBESTOS CEMENT PANEL REMOVAL AND DISPOSAL AS ACM

\$ 6.00 _____ per square foot

Item No. 15 – ASBESTOS BLACK TAR AND ASSOCIATED PIPE REMOVAL AND DISPOSAL AS ACM

\$ 15.00 _____ per linear foot

Item No. 16 – ASBESTOS DUCT PIN GLUE REMOVAL AND DISPOSAL AS ACM

\$ 3.00 _____ per square foot

Item No. 17 – BOILER AND ASSOCIATED COMPONENTS DISMANTLING AND CLEANING AND
THE REMOVAL AND DISPOSAL OF MATERIALS WITH THE EXCEPTION OF METAL AS ACM

\$ 12,000.00 _____ per unit

Item No. 18 – ASBESTOS EXTERIOR DOOR CAULKING REMOVAL AND DISPOSAL AS ACM

\$ 10.00 _____ per linear foot

Item No. 19 – ASBESTOS EXTERIOR WINDOW CAULKING REMOVAL AND DISPOSAL AS ACM

\$ 10.00 _____ per liner foot

Item No. 20 – ASBESTOS EXTERIOR EXPANSION JOINT REMOVAL AND DISPOSAL AS ACM

\$ 10.00 _____ per linear foot

Item No. 21 – ASBESTOS EXTERIOR CAULKING ON WALL PANELS REMOVAL AND DISPOSAL AS ACM

\$ 10.00 _____ per linear foot

Item No.22 – ASBESTOS EXTERIOR CAULKING ON SOFFITS REMOVAL AND DISPOSAL AS ACM

\$ 10.00 _____ per linear foot

Item No. 23 – ASBESTOS EXTERIOR LOUVER/WALL VENT CAULKING REMOVAL AND DISPOSAL AS ACM

\$ 10.00 _____ per linear foot

Item No. 24 – ASBESTOS DAMP-PROOFING BARRIER SYSTEM ASSOCIATED WITH EXTERIOR BRICK AND CMU WALL REMOVAL AND DISPOSAL AS ACM

\$ 15.00 _____ per square foot

\$ 185.00 _____ per ton

Item No. 25 – ASBESTOS WINDOW GLAZING COMPOUND REMOVAL AND DISPOSAL AS ACM

\$ 200.00 _____ per window unit

Item No. 26 – ASBESTOS DAMP-PROOFING BARRIER SYSTEM ASSOCIATED WITH CONCRETE FOUNDATION REMOVAL AND DISPOSAL AS ACM

\$ 30.00 _____ per square foot

\$ 185.00 _____ per ton

Item No. 27 – ASBESTOS DAMP-PROOFING ASSOCIATED WITH METAL STRUCTURAL MEMBERS REMOVAL AND DISPOSAL AS ACM

\$ 15.00 _____ per square foot

\$ 165.00 _____ per ton

Item No. 28 – ASBESTOS ADHESIVE AND INSULATION ASSOCIATED WITH SUB GRADE CONCRETE FOUNDATION WALL REMOVAL AND DISPOSAL AS ACM

\$ 30.00 _____ per square foot

\$ 185.00 _____ per ton

Item No. 29 – ASBESTOS CEMENT PIPE ASSOCIATED WITH SUBGRADE DRAINAGE SYSTEM AND UTILITIES REMOVAL AND DISPOSAL AS ACM

\$ 25.00 per linear foot (assume no more than 18" Diameter)

Item No. 30 – ASBESTOS TAR PAPER ON GYPSUM ROOF DECK REMOVAL AND DISPOSAL AS ACM

\$ 8.00 per square foot

Item No. 31 – ASBESTOS ROOF FLASHING REMOVAL AND DISPOSAL AS ACM

\$ 5.00 per square foot

Item No. 32 – INCINERATOR AND CHIMNEY COMPONENTS CLEANING AND THE REMOVAL AND DISPOSAL OF MATERIALS WITHIN BRICK ENCLOSURES AS ACM

\$ 7,000.00 per unit

Item No. 33 – ASBESTOS COATED/WAPPED ELECTRICAL WIRE INSULATION

\$ 2.00 per linear foot

Item No. 34 – ASBESTOS GLUE DAUB AND ASSOCIATED CHALKBOARD REMOVAL AND DISPOSAL AS ACM

\$ 10.00 per square foot

Item No. 35 – EXTERIOR DOOR CAULKING COMPOUND REMOVAL AND DISPOSAL AS ACM AND PCB >1 PPM BUT < 50 PPM EXCLUDED PRODUCT WASTE

\$ 16.00 per linear foot

Item No. 36 – EXTERIOR WINDOW CAULKING COMPOUND REMOVAL AND DISPOSAL AS ACM AND PCB >1 PPM BUT < 50 PPM EXCLUDED PRODUCT WASTE

\$ 16.00 per linear foot

Item No. 37 – EXTERIOR DOOR CAULKING COMPOUND REMOVAL AND DISPOSAL AS PCB >1 PPM BUT < 50 PPM EXCLUDED PRODUCT WASTE

\$ 16.00 per linear foot

Item No. 38 – EXTERIOR WINDOW CAULKING COMPOUND REMOVAL AND DISPOSAL AS PCB >1 PPM BUT < 50 PPM EXCLUDED PRODUCT WASTE

\$ 16.00 per linear foot

Item No. 39 – INTERIOR PAINT ON CONCRETE BLOCK WALL REMOVAL AND DISPOSAL AS PCB ?
50 PPM BULK PRODUCT WASTE

\$ 25.00 per square foot

\$ 165.00 per ton

Item No. 40 – INTERIOR PAINT ON CONCRETE BLOCK WALL REMOVAL AND DISPOSAL AS PCB
>1 PPM BUT < 50 PPM EXCLUDED PRODUCT WASTE

\$ 20.00 per square foot

\$ 155.00 per ton

Item No. 41 – INTERIOR PAINT ON PLASTER REMOVAL AND DISPOSAL AS PCB ? 50 PPM
BULK PRODUCT WASTE

\$ 25.00 per square foot

\$ 165.00 per cubic yard

Item No. 42 – INTERIOR PAINT ON PLASTER WALL REMOVAL AND DISPOSAL AS PCB >1 PPM
BUT < 50 PPM EXCLUDED PRODUCT WASTE

\$ 20.00 per square foot

\$ 155.00 per cubic yard

Item No. 43 – INTERIOR PAINT ON METAL REMOVAL AND DISPOSAL AS PCB >1 PPM BUT <
50 PPM EXCLUDED PRODUCT WASTE

\$ 20.00 per square foot

\$ 155.00 per ton

Item No. 44 – INTERIOR PAINT ON WOOD REMOVAL AND DISPOSAL AS PCB ? 50 PPM BULK
PRODUCT WASTE

\$ 25.00 per square foot

\$ 165.00 per cubic yard

Item No. 45 – INTERIOR PAINT ON WOOD REMOVAL AND DISPOSAL AS PCB >1 PPM BUT < 50 PPM
EXCLUDED PRODUCT WASTE

\$ 6.00 per square foot

\$ 165.00 per cubic yard

Item No. 46 – PETROLEUM IMPACTED SOIL REMOVAL AND DISPOSAL

\$ 135.00 _____ per ton

Item No. 47 – PETROLEUM IMPACTED CONCRETE REMOVAL AND DISPOSAL

\$ 135.00 _____ per ton

Item No. 48 – REMOVAL OF LEAD BASED PAINT FROM METAL AND DISPOSAL TO
ACCOMMODATE TIE-INS (EPA RRP WORK)

\$ 125.00 _____ per square foot

Item No. 49 – DISPOSAL OF PETROLUUM IMPACTED LIQUIDS

\$ 15.00 _____ per gallon.

Item No. 50 – COMPACTED STRUCTURAL FILL IN PLACE

\$ 24.50 _____ per cubic yard

Item No. 51 – COMPACTED 1 1/4" PROCESSED STONE IN PLACE

\$ 29.50 _____ per ton

Item No. 52 – 3/4" CRUSHED STONE IN PLACE

\$ 32.00 _____ per ton

Item No. 53 – ROCK REMOVAL WITH SMALL EQUIPMENT (Compressors/Jack Hammers and hoe rams
mounted to a skid steer)

\$ 65.00 _____ per cubic yard

Item No. 54 – ROCK REMOVAL WITH LARGE EQUIPMENT

\$ 185.00 _____ per cubic yard

Item No. 55 – SAWCUT CONCRETE SLAB

\$ 20.00 _____ per linear foot

Item No. 56 – REMOVAL AND DISPOSAL OF REINFORCED CONCRETE WALLS AND FOOTINGS

\$ 47.50 _____ per cubic yard

Item No. 57 – CLEARING AND STUMPING (cut brush and trees, remove stumps)

\$ 4,500.00 _____ per half acre

Item No. 58 – EXCAVATE AND STOCKPILE CONTAMINATED SOILS

\$ 3.00 _____ per cubic yard

Item No. 59 – LOAD (from stockpile) AND DISPOSE OF PCB CONTAMINATED SOILS, PCB >1 PPM BUT < 50 PPM

\$ 185.00 _____ per ton

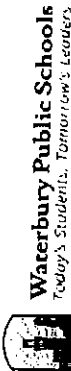
Item No. 60 – LOAD (from stockpile) AND DISPOSE OF PCB CONTAMINATED SOILS, PCB \geq 50 PPM

\$ 215.00 _____ per ton



Newfield Construction
Wendell Cross Elementary School
Waterbury, CT

Phase 1 - Demolition & Abatement Schedule



Waterbury Public Schools
Today's Students. Tomorrow's Leaders.

ID	Task Name	Duration	Start	Finish
1	Start Project	0 days	Fri 8/30/19	Fri 8/30/19
2	Phase 1 Mobilization	15 days	Fri 8/30/19	Fri 9/20/19
3	Phase 1 Bidding & Award	2 days	Mon 9/23/19	Tue 9/24/19
4	Scope Review	1 day	Wed 9/25/19	Wed 9/25/19
5	Award Recommendation	1 day	Thu 9/26/19	Thu 9/26/19
6	School Building Committee Approval	1 day	Fri 9/27/19	Fri 9/27/19
7	Award Contracts	105 days	Mon 9/30/19	Wed 2/26/20
8	Phase 1 Start Demolition & Abatement	5 days	Mon 9/30/19	Fri 10/4/19
9	Phase 1 Mobilization	5 days	Mon 9/30/19	Fri 10/4/19
10	Submit Hazard Removal & Demo Plans	5 days	Mon 9/30/19	Fri 10/4/19
11	State Asbestos Notification / Approval	10 days	Mon 9/30/19	Mon 10/7/19
12	Install Erosion Control & Tracking Pad	3 days	Mon 10/7/19	Wed 10/9/19
13	Selective Clearing & Grubbing	4 days	Wed 10/16/19	Mon 10/21/19
14	Install Temp Construction Fence	4 days	Wed 10/16/19	Mon 10/21/19
15	Install Temp Electrical Service & CM Trailer Pad	5 days	Wed 10/16/19	Tue 10/22/19
16	Selective Interior Demo (Pre-Haz Mat Removal)	10 days	Mon 10/21/19	Fri 10/25/19
17	Hazard Removal	25 days	Mon 10/21/19	Tue 11/26/19
18	Existing Utilities Demo & Removal	5 days	Wed 11/27/19	Tue 12/3/19
19	Install Temp Protection @ Existing Elevator Shaft & Lobby	2 days	Wed 11/27/19	Thu 11/28/19
20	Full Building Demo	35 days	Wed 12/4/19	Wed 1/2/20
21	Structural Fill @ Tunnel & Building Pods	20 days	Wed 12/4/19	Wed 1/1/20
22	Install Safety Cables & Temp Safety at Building & Pods	5 days	Thu 1/2/20	Wed 1/29/20
23	Clean Up & Demolition	5 days	Thu 1/30/20	Wed 2/5/20
24	Phase 1 Substantial Completion	9 days	Wed 2/12/20	Wed 2/12/20
25	Phase 1 Closeout Documentation	10 days	Thu 2/13/20	Wed 2/26/20

Project Schedule

Newfield Construction

Task	Critical Task	Milestone	Summary	Roll Up Critical Task	Roll Up Milestone	Roll Up Progress	Roll Up Set	Project Summary	Group By Summary	Inactive Task	Inactive Milestone	Inactive Summary	Manual Task	Manual Milestone	Manual Summary	Stationary Finish	Critical Split
Wendell Cross Elementary School																	
Wendell Cross Elementary School																	
Phase 1 Building Demo																	
Phase 1 Substantial Completion																	
Phase 1 Closeout Documentation																	



**PURCHASE ORDER NUMBER
169516 - REVISED**

This number must appear on all invoices, packages,
cartons, bills of lading, and packing slips.

FOB:
Freight Terms: Prepaid

Date: 06/05/2019

MAIL INVOICES

City of Waterbury
235 Grand Street
Waterbury, CT 06702

Board of Education
School Business Office
236 Grand Street
Waterbury, Ct 06702

Bureau of Water
21 East Aurora Street
Waterbury, CT 06708

Water Pollution Control
210 Municipal Road
Waterbury, CT 06708

Vendor: 8220
Newfield Construction Inc.
225 Newfield Ave
Hartford CT 06106

Ship To:
Finance Department
235 Grand Street
2nd Floor
Waterbury CT 06702

Contact: Tom DiMauro
Phone: 860 953-1477

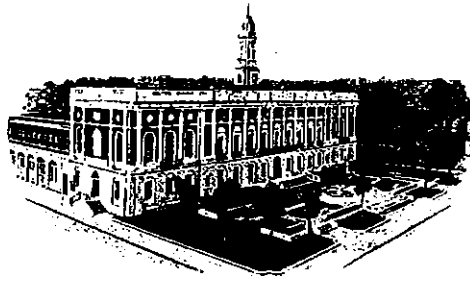
Contact: Purch Director >
Phone: 203-674-6747

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
Deliver on or Before June 28, 2019 unless specified by line Purchase Order Currency: US Dollars Invoice by mail Process Level: 65016					
1	436,668.0000	EA	CONSTRUCTION MANAGER'S FEE	1.0000	436,668.00
2	1,392,685.0000	EA	CONSTRUCTION STAFFING MATRIX	1.0000	1,392,685.00
3	1,139,971.0000	EA	LUMP SUM GENERAL CONDITIONS Wendell Cross Project No. 151-0295 RFP# 6337	1.0000	1,139,971.00
4	19,592.0000	EA	PRE-CONSTRUCTION MANAGER'S FEE	1.0000	19,592.00
5	176,000.0000	EA	PRE-CONSTRUCTION STAFFING MATRIX	1.0000	176,000.00
6	1,150,000.0000	EA	PHASE 1 DEMOLITION Vendor Item Number: CONSTRUCTION MANAGER'S FEE Vendor Item Desc: Revision: PO Line Add on October 7, 2019 Before Value:, After Value: PO Line	1.0000	1,150,000.00
Purchase Order Summary Goods Total: Order Total:					\$4,314,916.00 \$4,314,916.00
Total Amount:					\$4,314,916.00

THE CITY OF WATERBURY
Waterbury, Connecticut

Hein McCaffery
Director of Purchasing

MICHAEL LEBLANC
DIRECTOR OF FINANCE



PHONE: (203) 574-6840

OFFICE OF THE DIRECTOR OF FINANCE

THE CITY OF WATERBURY
CONNECTICUT

March 6, 2020

Mr. Tom DiMauro
Mr. Damien Davis
Newfield Construction Group, LLC
225 Newfield Avenue
Hartford CT 06106

Re: Construction of Wendell L. Cross Pre-K to 8th Grade School
Notice to Proceed With Phase 2: Site Construction, Landscaping, Concrete & Metals

Dear Mr. DiMauro & Mr. Davis,

This letter serves as the City of Waterbury's formal "NOTICE TO PROCEED" to Newfield Construction Group, LLC's ("Newfield") for the Phase 2 Services of Site Construction, Landscaping, Concrete & Metals (collectively the "Phase 2 Additional Pre-Construction Services") as provided for in Article 5 of the Agreement between the City of Waterbury and Newfield Construction Group, LLC for Construction Manager at Risk Services for the Construction of Wendell L. Cross Pre-K to 8th Grade School dated June 5, 2019 (the "Agreement").

The Phase 2 Additional Pre-Construction Services are to be performed in compliance with the Newfield Proposal, including Exhibits A through H, dated February 10, 2020 and attached to this letter as Exhibit A, for a guaranteed maximum price of **EIGHT MILLION FIVE HUNDRED TWENTY-NINE THOUSAND EIGHT HUNDRED THIRTY NINE DOLLARS AND 00/100 CENTS (\$8,529,839.00)**.

Attached to this letter is Revised Purchase Order #169516 originally dated June 5, 2019 which has been revised to include the additional amount of \$ 8,529,839.00 to incorporate bid packages 2.01, Site Construction, 2.02 Landscaping, 2.03 Concrete and 2.04 Metals. Terms for performance of services and payment for these Services and date of substantial completion are as set forth in the Agreement.

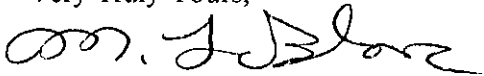
The City reserves its right to withhold as retainage five (5 %) percent of any payment (or monetary sum otherwise required by law) owed to Newfield to be withheld from payments to Newfield until such time as Newfield's work and services to be provided under the Agreement

are fully completed and accepted in writing by the City. The retainage to be withheld does not include additional sums that the City may withhold due to Newfield's failure to comply with provisions of the Agreement.

The guaranteed maximum price for the Additional Pre-Construction Services shall be included in the First Amendment to the Agreement with the Construction Phase services to be provided and with any other pre-construction phase services the City and Newfield agree upon in accordance with Section 5.1.3 of the Agreement.

Kindly contact me should you have any questions or require additional information.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "M. LeBlanc", written in a cursive style.

Michael LeBlanc, Director of Finance

Cc: *via email:*

William F. Clark, Esq, Chief Operating Officer, Waterbury Public Schools
Kenneth Russo, CPE, Senior Project Manager, Waterbury Development Corporation
Michael A. Sorano, AIA, Vice President, Friar Architecture
Bryce Sens, RA, Senior Project Manager, Friar Architecture



**PURCHASE ORDER NUMBER
169516 - REVISED**

This number must appear on all invoices, packages,
cartons, bills of lading, and packing slips.

FOB:
Freight Terms: Prepaid

Date: 06/05/2019

MAIL INVOICES

City of Waterbury
235 Grand Street
Waterbury, CT 06702

Board of Education
School Business Office
238 Grand Street
Waterbury, Ct 06702

Bureau of Water
21 East Aurora Street
Waterbury, CT 06708

Water Pollution Control
210 Municipal Road
Waterbury, CT 06708

Vendor: 8220
Newfield Construction Group
225 Newfield Ave
Hartford CT 06106

Ship To:
Finance Department
235 Grand Street
2nd Floor
Waterbury CT 06702

Contact: Tom DiMauro
Phone: 860 953-1477

Contact: Purch Director >
Phone: 203-574-6747

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
Deliver on or Before June 28, 2019 unless specified by line Purchase Order Currency: US Dollars Invoice by mail Process Level: 65016					
1	436,668.0000	EA	CONSTRUCTION MANAGER'S FEE AS A PERCENTAGE CMAR SERV	1.0000	436,668.00
2	1,392,685.0000	EA	CONSTRUCTION STAFFING MATRIX CMAR SERVICES	1.0000	1,392,685.00
3	1,139,971.0000	EA	LUMP SUM GENERAL CONDITIONS REIMBURSABLE COSTS CMAR SERV Wendell Cross Project No. 151-0295	1.0000	1,139,971.00
RFP# 6337					
4	19,592.0000	EA	PRE-CONSTRUCTION MANAGER'S FEE FOR EARLY BID WORK CMAR SERV	1.0000	19,592.00
5	176,000.0000	EA	PRE-CONSTRUCTION STAFFING MATRIX CMAR SERVICES	1.0000	176,000.00
6	1,150,000.0000	EA	PHASE 1 DEMOLITION demolition Vendor Item Number: CONSTRUCTION MANAGER'S FEE Vendor Item Desc:	1.0000	1,150,000.00
7	3,957,500.0000	EA	PHASE 2 SITE CONSTRUCTION FUCCI Vendor Item Number: CONSTRUCTION MANAGER'S FEE Vendor Item Desc: Revision: PO Line Add on February 26, 2020 Before Value:, After Value: PO Line	1.0000	3,957,500.00
8	77,339.0000	EA	PHASE 2.02 LANDSCAPING TC LANDSCAPING Vendor Item Number: CONSTRUCTION MANAGER'S FEE Vendor Item Desc: Revision: PO Line Add on February 26, 2020 Before Value:, After Value: PO Line	1.0000	77,339.00
***** CONTINUED *****				Total Amount:	\$12,844,755.00

THE CITY OF WATERBURY
Waterbury, Connecticut

Director of Purchasing



**PURCHASE ORDER NUMBER
169516 - REVISED**

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FOB:
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Date: 06/05/2019

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2nd Floor
Waterbury CT 06702

Contact: Tom DiMauro
Phone: 860 953-1477

Contact: Purch Director >
Phone: 203-574-6747

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
9	2,486,000.0000	EA	PHASE 2.04 METELS XTX ASSOCIATES Vendor Item Number: CONSTRUCTION MANAGER'S FEE Vendor Item Desc:	1.0000	2,486,000.00
10	2,009,000.0000	EA	PHASE 2.03 CONCRETE G&G CONCRETE Vendor Item Number: CONSTRUCTION MANAGER'S FEE Vendor Item Desc: Revision: PO Line Add on February 26, 2020 Before Value:, After Value: PO Line	1.0000	2,009,000.00
Purchase Order Summary				Goods Total: Order Total:	\$12,844,755.00 \$12,844,755.00
Total Amount:					\$12,844,755.00

THE CITY OF WATERBURY
Waterbury, Connecticut

Hein McCaffrey
Director of Purchasing

Wendell Cross Elementary School, Phase 2
Guaranteed Maximum Price (GMP)

Bid Package	Firm	Value
2.01 Site Construction	C.J. Fucci	3,957,500.00
2.02 Landscaping	TC Landscaping	77,339.00
2.03 Concrete	G&G Concrete	2,009,000.00
2.04 Metals	XTX Associates	2,486,000.00
Total Trade Contractor Costs		8,529,839.00 *
CM Staffing		127,420.00
CM Reimbursables		66,850.00
Water Usage Allowance		20,000.00
CM Contingency (1%)		85,498.39
CM Fee (1.2%)		105,955.29
State Permit Fee		23,232.46
CM Performance & Payment Bond (.68%)		60,919.81
Total Phase 2 GMP		9,019,714.95

* Value includes Alternates 1,2 & 3.

Exhibit B
CM Staffing and Reimbursables

February 10, 2020

Wendell Cross Elementary School				
	Phase 2 (2 months)			
	Qty	Unit	Unit cost	Ext
CM Staffing Phase 2				
Project Manager	346	MH	125.00	43,250.00
Superintendent	346	MH	120.00	41,520.00
Project Engineer 1	346	MH	70.00	24,220.00
BIM Coordinator	46	MH	105.00	4,830.00
Safety Officer(80 hr/mo@19)	160	MH	85.00	13,600.00
Total Phase 2 CM Staff				127,420.00
Phase 2				
Reimbursables				
Office Trailer	2	mo	1,500.00	3,000.00
Trailer Install Remove	0	ea	10,000.00	0.00
Office Furniture	0	ea	5,000.00	0.00
Office Equipment	0	ea	5,000.00	0.00
Office Supplies	2	mo	200.00	400.00
Postage Fedx	2	mo	500.00	1,000.00
Copier	2	mo	500.00	1,000.00
Computers	2	ea	2,500.00	5,000.00
IT Support	2	mo	350.00	700.00
Internet	2	mo	150.00	300.00
Payroll	2	mo	800.00	1,600.00
Procure	9,000,000	\$	0.001	9,000.00
Telephones Equip. Installed	0	ea	1,500.00	0.00
Telephones Monthly	2	mo	400.00	800.00
Cell Phones	2	mo	750.00	1,500.00
Office Utilities	2	mo	500.00	1,000.00
Water Coffee	2	mo	125.00	250.00
First Aid	0	ea	2,500.00	0.00
Signage	0	ea	3,000.00	0.00
Reproduction	0	ea	7,500.00	0.00
Photos	2	mo	400.00	800.00
GL Insurance	9,000,000	\$	0.0045	40,500.00
Total Ph 2 Reimbursables				66,850.00

**EXHIBIT C
ALLOWANCES**

Construction Manager/Owner Allowances

	<u>Value</u>
1. Water Usage Fees	\$20,000.00

All allowance values are included in the GMP value.

**EXHIBIT D
ALTERNATES**

Accepted Alternate values are included in the GMP value.

	Value	Status
Alternate No. 1: Three Inch Bituminous Base Course.	\$45,000.00	Accepted
Alternate No. 2: Twenty Four Foot Wide HD Bituminous Concrete Paving Strip from Driveway to Dumpster Pad.	\$2,500.00	Accepted
Alternate No. 3: Five Foot Wide Bituminous Concrete Sidewalk.	\$5,000.00	Accepted

**EXHIBIT E
ASSUMPTIONS AND EXCLUSIONS**

All items below are excluded from Newfield's Guaranteed Maximum Price.

1. All City of Waterbury building permit fees for the general building permit and all other permits.
2. Applicable Connecticut Sales and Use taxes.
3. Builder's Risk Insurance Coverage and deductibles for builders risk claims.
4. Night watchman and security services.
5. Removal of all polluted, hazardous, petroleum impacted or contaminated soils not identified in the documents.
6. All hazardous materials testing, hazardous materials monitoring, soils characterizations and required hazardous materials final reports.
7. Special inspection services, testing for special inspection requirements. Owner required testing not indicated in the documents.
8. All second shift and overtime work. We have assumed Project work will be performed Monday through Friday, on first shift.

**EXHIBIT F
CONTRACT DOCUMENTS**

1. Project specifications. List attached.
2. Project drawings. List attached
3. Bulletins. List attached.

List of Specifications**DIVISION 00 – INFORMATION AVAILABLE TO BIDDERS**

001100	INVITATION TO BID
002100	INSTRUCTIONS TO BIDDERS, AIA DOCUMENT A701
002213	SUPPLEMENTAL INSTRUCTION TO BIDDERS
002400	BID PACKAGES
003113	PRELIMINARY CONSTRUCTION SCHEDULE
003132	GEOTECHNICAL DATA
	GEOTECHNICAL REPORT
003135	CONTRACT COMPLIANCE DOCUMENTS
004126	BID PROPOSAL FORM
005200	FORM OF AGREEMENT BETWEEN THE CONSTRUCTION MANAGER & TRADE CONTRACTOR
005400	CITY HIRING ORDINANCE
005900	CONTRACTOR'S QUALIFICATION STATEMENT, AIA DOCUMENT A305
006100	BID BOND, AIA DOCUMENT A310
007100	GENERAL CONDITIONS BETWEEN THE CITY OF WATERBURY & NEWFIELD CONSTRUCTION
007200	SPECIAL PROJECT CONDITIONS
007343	WAGE RATES

DIVISION 01 - GENERAL REQUIREMENTS

011000	SUMMARY
012100	ALLOWANCES
012200	UNIT PRICES
012300	ALTERNATES
012600	CONTRACT MODIFICATION PROCEDURES
012900	PAYMENT PROCEDURES
013100	PROJECT MANAGEMENT AND COORDINATION
	CAD FILES AGREEMENT
	REVIT FILES AGREEMENT
013200	CONSTRUCTION PROGRESS DOCUMENTATION
013300	SUBMITTAL PROCEDURES
014000	QUALITY REQUIREMENTS
014104	SPECIAL INSPECTIONS AND STRUCTURAL TESTING
014200	REFERENCES
015000	TEMPORARY FACILITIES AND CONTROLS
015713	TEMPORARY EROSION AND SEDIMENTATION CONTROLS
015714	TEMPORARY DUST CONTROL
016000	PRODUCT REQUIREMENTS
017300	EXECUTION
017329	CUTTING AND PATCHING
017419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

017423	FINAL CLEANING
017700	CLOSEOUT PROCEDURES
017823	OPERATION AND MAINTENANCE DATA
017839	PROJECT RECORD DOCUMENTS
018113	SUSTAINABLE DESIGN REQUIREMENTS
	CTHPB PROPOSED PROJECT STRATEGY CHECKLIST
018119	INDOOR AIR QUALITY REQUIREMENTS

DIVISION 02 – EXISTING CONDITIONS

024113	UTILITY DEMOLITION AND ABANDONMENT
024123	SITE DEMOLITION
024400	CONTROL OF EXISTING FLOWS

DIVISION 03 - CONCRETE

031004	CONCRETE FORMWORK
032004	CONCRETE REINFORCEMENT
033004	CAST-IN-PLACE CONCRETE
033200	SITE CAST-IN-PLACE CONCRETE

DIVISION 05 - METALS

051204	STRUCTURAL STEEL
052004	STEEL JOISTS
053004	METAL DECKING

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

071326	SELF-ADHERING SHEET WATERPROOFING
072113	FOUNDATION INSULATION

DIVISION 26 – ELECTRICAL

260533	RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS
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DIVISION 31 – EARTHWORK

312310	EARTHWORK
312313	PREPARATION OF SUBGRADE/FINE GRADE

312314	STRUCTURAL EXCAVATION
312316	EXCAVATION FOR UTILITIES
312319	DEWATERING
312324	STRUCTURAL FILL AND FOUNDATION DRAINAGE
312326	ROCK EXCAVATION AND DISPOSAL
312329	CONTROLLED BLASTING
312543	GEOTEXTILES
315004	EARTHWORK PROTECTION

DIVISION 32 – EXTERIOR IMPROVEMENTS

321119	SUBBASE AND PROCESSED AGGREGATE BASE
321216	ASPHALT PAVING
321217	BITUMINOUS CONCRETE SIDEWALK
321313	CONCRETE PAVING
321623	CURBING
321723	PAVEMENT MARKINGS
323113	CHAIN LINK FENCES AND GATES
323300	BOLLARDS
323313	BICYCLE RACKS
324000	GUARDRAIL
329200	PLANTING
329100	PLANTING SOIL
329200	TURF AND GRASS

DIVISION 33 – UTILITIES

331900	WATER SUPPLY SYSTEM
333100	SANITARY SEWERS
334000	STORM DRAINAGE SYSTEM
335100	NATURAL GAS DISTRIBUTION

List of Drawings

COVER

REFERENCE

R1.1 CODE INFORMATION

CIVIL

EC-1.0 EXISTING CONDITIONS PLAN
C-1.0 EROSION & SEDIMENTATION CONTROL PLAN
C-2.0 SITE PREPARATION PLAN
C-3.0 SITE LAYOUT PLAN
C-3.1 SITE MATERIALS PLAN
C-3.2 PAVEMENT MARKING & SIGNAGE PLAN
C-4.0 SITE GRADING PLAN
C-4.1 SITE DRAINAGE PLAN
C-5.9 SITE UTILITY PLAN
C-6.0 SITE DETAILS
C-6.1 SITE DETAILS
C-6.2 SITE DETAILS
C-6.3 SITE DETAILS
C-6.4 SITE DETAILS
C-6.5 SITE DETAILS
C-7.0 UPPER SEGMENTAL RETAINING WALL ELEVATION
C-7.1 LOWER SEGMENTAL RETAINING WALL ELEVATION

LANDSCAPE

L-1.0 PLANTING PLAN

ARCHITECTURE

A0.1 LOWER LEVEL KEY PLAN
A0.2 MAIN & UPPER LEVEL KEY PLAN

STRUCTURAL

S0.0 STRUCTURAL GENERAL NOTES & TYPICAL DETAILS
S0.1 TYPICAL FOUNDATION DETAILS
S1.1 FOUNDATION PLAN - AREA A
S1.2 FOUNDATION PLAN - AREA B
S1.3 FOUNDATION PLAN - AREA C
S1.4 FOUNDATION PLAN - AREA D
S2.1 MAIN LEVEL FRAMING PLAN AREAS - B & C
S2.2 MAIN LEVEL FRAMING PLAN - AREA D
S2.3 UPPER LEVEL FRAMING PLAN - AREA A
S2.4 UPPER LEVEL/LOW ROOF FRAMING PLAN - AREA B
S2.5 ROOF FRAMING PLAN - AREA A
S2.6 ROOF FRAMING PLAN - AREA B
S2.7 ROOF FRAMING PLAN - AREA C
S2.8 ROOF FRAMING PLAN - AREA D
S2.9 HIGH ROOFING PLANS
S3.1 COLUMN SCHEDULE - AREA A & AREA B
S3.2 COLUMN SCHEDULE - AREA B
S3.3 COLUMN SCHEDULE - AREA C
S3.4 COLUMN SCHEDULE - AREA D

S3.5	BRACE FRAME ELEVATIONS AND DETAILS
S3.6	BRACE FRAME ELEVATIONS AND DETAILS
S3.7	BRACE FRAME ELEVATIONS AND DETAILS
S3.8	SHEAR WALL SCHEDULE
S4.1	FOUNDATION SECTIONS
S4.2	FOUNDATION SECTIONS
S4.3	FOUNDATION SECTIONS
S4.4	FOUNDATION SECTIONS
S4.5	FOUNDATION SECTIONS
S4.6	FOUNDATION SECTIONS
S4.7	FOUNDATION SECTIONS
S4.8	FOUNDATION SECTIONS
S5.1	STRUCTURAL SECTIONS
S5.2	STRUCTURAL SECTIONS
S5.3	STRUCTURAL SECTIONS
S5.4	STRUCTURAL SECTIONS
S5.5	STRUCTURAL SECTIONS
S5.6	STRUCTURAL SECTIONS
S5.7	STRUCTURAL SECTIONS
S5.8	STRUCTURAL SECTIONS
S5.9	STRUCTURAL SECTIONS
S5.10	STRUCTURAL SECTIONS

SITE UTILITY

SU1.0	MEP SITE UTILITY PLAN
SU2.0	SITE UTILITY DETAILS
SL1.0	SITE LIGHTING PLAN – PHASE II

SITE LOGISTICS

SL-01	SITE LOGISTICS PLAN PHASE I (FOR REFERENCE)
SL-02	SITE LOGISTICS PLAN PHASE II

Bulletins

<u>Bulletin</u>	<u>Date Issued</u>
2.1	December 9, 2019
2.2	December 13, 2019
2.3	December 17, 2019
2.4	December 18, 2019
2.5	December 19, 2019

**EXHIBIT G
UNIT PRICES**

The unit prices listed below do not include a Construction Manager's Fee.

The following unit prices shall be the basis for computing extra costs to the contract for additional work. For deleted work, the credit to the contract shall be the same. Unit prices shall include costs for all materials, equipment, tools, small tools, labor, permits, fees, overhead, profit, supervision, home office support, project management, estimating, safety, travel, shop drawings and as built drawings for all parties involved in the work. Unit prices shall apply to both the trade contractors and their subcontractors. All work is to be accomplished in accordance with applicable Sections of the Specifications and State and federal regulations.

cu yd= cubic yard (measured in place)	sf= square foot	fit= fittings	gal= gallon
sq yd= square yard	hr= hour	cont= container	
lf= linear foot	lb= pound	cu ft= cubic foot	

BID PACKAGE 2.01 Site Construction**1. Mass Earth Excavation:**

Description: Mass Earth Excavation including the completion of the excavation, formation and compaction of the subgrade, and the disposal of surplus, or unsuitable material according to Division 31 Section "Earth Moving."

\$25.00/C.Y.

2. Trench Earth Excavation:

Description: Trench Earth Excavation including the completion of the excavation, formation and compaction of the subgrade, and the disposal of surplus, or unsuitable material according to Division 31 Section "Earth Moving."

\$35.00/C.Y.

3. Bituminous Concrete Pavement Light Duty:

Description: Light Duty Bituminous Concrete Pavement including base and sub-base, according to Division 32 Section "Asphalt Paving" Detail on Sheet C6.2.

\$55.00/S.Y.

4. Bituminous Concrete Pavement Heavy Duty:

Description: Heavy Duty Bituminous Concrete Pavement including base and sub-base, according to Division 32 Section "Asphalt Paving" Detail on Sheet C6.2.

\$65.00/S.Y.

5. Concrete Walk Pavement:

Description: Concrete Walk Pavement including base and sub-base, according to Division 32 Section "Concrete Paving" Detail on Sheet C6.2.

\$15.00/S.F.

6. Precast Concrete Curbs:

Description: Precast Concrete Curbs, including base and sub-base, straight and curved, 6-inches wide, according to Division 32 Section "Curbing". Detail on Sheet C6.2.

\$35.00/L.F.

7. Cast in Place Concrete Curbs:

Description: Cast in Place Concrete Curbs, including base and sub-base, straight and curved, 6-inches wide, according to Division 32 Section "Curbing", Detail (similar) on Sheet C6.2.

\$35.00/L.F.

8. Cast-in-Place Integral Concrete Curbs and Walks:

Description: Cast-in-Place Monolithic Concrete Curbs and 5 foot wide concrete walk, according to Division 32 Section "Concrete Paving" Detail on Sheet C6.02.

\$100.00/L.F.

9. Bituminous Concrete Pavement for Patching:

Description: Bituminous Concrete Pavement for patching, according to Division 32 Section "Asphalt Paving."

\$90.00/S.Y.

10. Structural Fill:

Description: Imported Structural fill (in place) including compaction according to Division 31 Section "Structural Fill."

\$40.00/C.Y.

11. Unsuitable Soils:

Description: Remove and replace with compacted imported structural fill according to Division 31 Section "Structural Fill."

\$60.00/C.Y.

12. Common Fill:

Description: Common imported fill (in place) including compaction according to Division 31 Section "Earth Moving."

\$35.00/C.Y.

13. Granular Base Fill:

Description: Granular imported base fill (in place) including compaction according to Division 31 Section "Earth Moving."

\$45.00/C.Y.

14. 3/8" Stone:

Description: 3/8" stone including compaction according to Division 31 Section "Structural Fill".

\$30.00/Ton

15. Processed Aggregate:

Description: Processed Aggregate (in place) including compaction according to Division 31 Section "Earthwork".

\$25.00/Ton

16. Concrete Bollard:

Description: Concrete Bollard, 24" diameter concrete bollard per Detail on Sheet C6.2.

\$1,100.00/EA.

17. Steel Pipe Bollard:

Description: 6" steel pipe bollard furnished and installed according to Division 32 Section "Bollards".

\$800.00/EA.

18. 6'Foot Galvanized Steel Chain Link Fence:

Description: 6 foot Galvanized Steel Chain Link Fence according to Division 32 Section "Chain Link Fences and Gates" Detail on Sheet C-6.2.

\$35.00/L.F.

19. Mass Rock Excavation:

Description: Excavate by means of blasting and dispose of rock in a mass excavation.

\$50.00/ C.Y.

20. Trench Rock Excavation:

Description: Excavate by means of blasting and dispose of rock in a trench excavation.

\$50.00/ C.Y.

21. Mass Rock Excavation:

Description: Excavate by means of machine ripping and dispose of rock/spoils in a mass excavation.

\$150.00/ C.Y.

22. Trench Rock Excavation:

Description: Excavate by means of machine ripping and dispose of rock/spoils in a trench excavation.

\$250.00/ C.Y.

23. Mass Rock Excavation:

Description: Excavate by means of rock splitter, jack hammer or hoe ram and dispose of rock/spoils in a mass excavation.

\$155.00/ C.Y.

24. Trench Rock Excavation:

Description: Excavate by means of rock splitter, jack hammer or hoe ram and dispose of rock/spoils in a trench excavation.

\$250.00/ C.Y.

25. Clearing and Stumping:

Description: Cut trees, brush, remove stumps and dispose of offsite. Does not include re-mobilization.

\$6,750/ Half Acre

26. Slope Stabilization:

Description: Furnish, install and maintain erosion control mats for temporary erosion control on slopes in excess of 3 (horizontal) to 1 (vertical).

\$1.50/ S.F.

BID PACKAGE 2. 02 Landscaping

29. Fine Grading and Seeding: Description: Fine grading and seeding for general lawns according to Division 32 Section "Turf and Grasses."

\$0.25/S.F.

30. Fine Grading and Sod:

Description: Fine grading and sod according to Division 32 Section "Turf and Grasses."

\$1.10/S.F.

31. Conservation Seed Mix:

Description: Conservation seeding according to Division 32 Section "Turf and Grasses."

\$0.25/S.F.

BID PACKAGE 2. 03 Concrete

32. Formwork for Footings:

Description: Formwork for wall and column footings including installation bracing, and removal of formwork according to Division 03 Section "Cast-in-Place Concrete."

\$10.00/S.F. of contact surface.

33. Formwork:

Description: Formwork for walls, piers, grade beams and buttresses, including bracing and removal of formwork according to Division 03 Section "Cast-in-Place Concrete."

\$13.00/S.F. of contact surface for foundations up to 8 feet high.

\$16.00/S.F. of contact surface for foundations greater than 8 feet high.

34. Concrete:

Description: Placement and finishing of concrete for wall and column footings, walls, piers, grade beams, and buttresses, excluding formwork and reinforcing, according to Division 03 Section "Cast-in-Place Concrete."

\$225.00/C.Y.

35. Concrete – Slab on Grade:

Description: Placement and finishing of concrete for slabs on grade including reinforcing steel, and wire mesh with supports according to Division 03 Section "Cast-in-Place Concrete."

\$7.00/S.F.

36. Reinforcing Steel:

Description: Reinforcing steel including shop drawings, detailing, fabrication, and support according to Division 03 Section "Cast-in-Place Concrete."

\$1.50/LB.

37. Underpinning:

Description: Provide underpinning beneath existing footings to maintain 3'-6" frost protection below proposed grade. Underpinning will include a 1'-0" thick x 3'-0" wide section of concrete with a 2" gap between bottom of existing footing and top of underpinning for drypacking with grout. Include engineering costs of underpinning design.

\$1,300.00/C.Y.

BID PACKAGE 2.04 Metals

38. Structural Steel, more than 30 LBS/L.F. – New Construction:

Description: Erected Structural Steel of more than 30 lbs/l.f., fabricated beams, girders, and columns, including shop drawings, detailing, engineering, shop and field connections, bearing plates, and painting, according to Division 05 Section "Structural Steel Framing."

\$4,895.00/Ton

39. Structural Steel, less than 30 LBS./L.F. - New Construction:
Description: Erected Structural Steel of less than 30 lbs/l.f., fabricated beams, girders, and columns, including shop drawings, detailing, engineering, shop and field connections, bearing plates, and painting, according to Division 05 Section "Structural Steel Framing."

\$5,225.00/Ton

40. Structural Steel, more than 30 LBS./L.F. - Existing Construction:
Description: Erected Structural Steel of more than 30 lbs/l.f., fabricated beams, girders, and columns, including shop drawings, detailing, engineering, shop and field connections, bearing plates, and painting, according to Division 05 Section "Structural Steel Framing."

\$6,850.00/Ton

41. Structural Steel, less than 30 LBS./L.F. - Existing Construction:

Description: Erected Structural Steel of less than 30 lbs/l.f., fabricated beams, girders, and columns, including shop drawings, detailing, engineering, shop and field connections, bearing plates, and painting, according to Division 05 Section "Structural Steel Framing."

\$7,200.00/Ton

[illegible]

[illegible]