



A Division of Colliers Engineering & Design

331 Newman Springs Road, Suite 203
 Red Bank, NJ 07701
 732 383 1950

Watertown MA Public Schools
Attn: Tom Tracy
30 Common Street
Watertown, MA 01605

Invoice : 0000735560
Invoice Date : 2/28/2022

Project : 22000471G
Project Manager: Maston, Sarah
Project Name : 201900347 Watertown, MA - (3)
 Elementary Schools Cx

For Professional Services Rendered Through 2/28/2022

	Fee	% Complete	Billings		
			To Date	Previous	Current
EA Prerequisite 1: Fundamental Cx & Verification	217,819.00	69.60	151,611.58	143,329.64	8,281.94
EA Credit: Enhanced Commissioning, Option 1, Path 1	21,892.00	22.96	5,026.48	4,103.14	923.34
EA Credit: Enhanced Commissioning, Option 1, Path 2	18,000.00	25.00	4,500.00	1,800.00	2,700.00
EA Credit: Enhanced Commissioning, Option 2, Envelope Commissioning	45,508.00	52.82	24,036.36	24,036.36	0.00
Reimbursable Expenses	9,500.00	23.24	2,207.85	2,017.85	190.00
Subtotal:	312,719.00	59.92	187,382.27	175,286.99	12,095.28

Current Billings 12,095.28
Amount Due This Bill 12,095.28

ttracy@watertown-ma.gov;
 VivianVarbedian@hillintl.com

In accordance with our business terms and conditions, acceptance of this invoice is implied unless Colliers Project Leaders USA NE, LLC is notified by 14 days from the date of this invoice. If timely payment cannot be made due to any discrepancy, please E-mail a brief explanation to Billing@colliersengineering.com and we will reply as soon as possible. For alternative electronic payment options contact Collections@colliersengineering.com.

Town of Watertown
Three Elementary School Projects
LEED Commissioning Services Fee Proposal Detail

Date: Jan 30, 2022

2022

2021

2021

	Total Associated Fees	March % Complete	April % Complete	February % Complete	Total % Complete	Billed to Date Including Current Month	February Billings	Balance
IV. EA Prerequisite 1: Fundamental Cx & Verification								
A Commissioning Kick-Off Meeting	\$ 1,140				100%	\$ 1,140.00	\$ -	\$ -
B Review Owner's Project Requirements & Basis of Design	\$ 1,470				100%	\$ 1,469.80	\$ -	\$ 0.20
C Review Design Development Documents	\$ 5,280				100%	\$ 5,282.40	\$ -	\$ 17.60
D Review 60% Construction Documents	\$ 7,710				100%	\$ 7,710.00	\$ -	\$ -
E Review 90% Construction Documents	\$ 8,018				100%	\$ 8,016.12	\$ -	\$ 1.88
F Participate in Design Review Meetings at SD, DD & CD	\$ 3,876				100%	\$ 3,876.00	\$ -	\$ (0.00)
G Develop and Implement Commissioning Plan	\$ 2,440				100%	\$ 2,440.00	\$ -	\$ -
H Development of Commissioning Specifications	\$ 1,040				100%	\$ 1,040.00	\$ -	\$ (0.00)
I Bid Phase meetings & support	\$ 1,796				100%	\$ 1,796.00	\$ -	\$ -
J Develop Construction Checklists	\$ 6,255				100%	\$ 6,255.00	\$ -	\$ -
K Construction Site Visits & Commissioning Team Meetings	\$ 66,438	6%	4%		76%	\$ 50,482.88	\$ 2,657.52	\$ 15,945.12
L Compile & Review Construction Checklists	\$ 39,533	4%	2%		64%	\$ 25,301.12	\$ 790.66	\$ 14,231.88
M Develop Functional Test Procedures	\$ 7,960		22%		70%	\$ 5,572.00	\$ 1,751.20	\$ 2,388.00
N Direct & oversee execution of Functional Test Procedures	\$ 44,102		3%		63%	\$ 27,784.26	\$ 1,323.06	\$ 16,317.74
O Document, Correction & Retesting	\$ 4,776		30%		45%	\$ 2,149.20	\$ 1,432.80	\$ 2,626.80
P Maintain Commissioning Issues Log & Report directly to Owner	\$ 6,534		5%		20%	\$ 1,306.80	\$ 326.70	\$ 5,227.20
Q Prepare & Maintain Current Facility Requirements and O&M Plan	\$ 5,378				0%	\$ -	\$ -	\$ 5,378.00
R Prepare Final Commissioning Report & LEED Submittals	\$ 4,073				0%	\$ -	\$ -	\$ 4,073.00
Total Fees: EA Prerequisite 1	\$ 217,819					\$ 151,611.58	\$ 8,281.94	\$ 66,207.42
II. EA Credit: Enhanced Commissioning, Option 1, Path 1								
A Review of Contractor Submittals	\$ 4,682.00				65%	\$ 3,179.80	\$ -	\$ 1,712.20
B System Manuals - Inclusion, Review, Confirm Delivery	\$ 4,105.00				0%	\$ -	\$ -	\$ 4,105.00
C Training - Inclusion, Review, Verify	\$ 2,798.00		33%		66%	\$ 1,846.68	\$ 923.34	\$ 951.32
D 10 Month Warranty Review	\$ 2,832.00				0%	\$ -	\$ -	\$ 2,832.00
E Verify Seasonal Testing	\$ 3,463.00				0%	\$ -	\$ -	\$ 3,463.00
F Develop On-Going Commissioning Plan	\$ 3,802.00				0%	\$ -	\$ -	\$ 3,802.00
Total Fees: Option 1, Path 1	\$ 21,892.00					\$ 5,026.48	\$ 923.34	\$ 16,865.52
III. EA Credit: Enhanced Commissioning, Option 1, Path 2								
A Develop a Systems Monitoring Plan	\$ 18,000.00				25%	\$ 4,500.00	\$ 2,700.00	\$ 13,500.00
Total Fees: Option 1 Path 2	\$ 18,000.00					\$ 4,500.00	\$ 2,700.00	\$ 13,500.00
IV. EA Credit: Enhanced Commissioning, Option 2, Envelope Commissioning								
A Review of Contractor Submittals	\$ 2,884.00		10%	15%	65%	\$ 1,874.60	\$ -	\$ 1,009.40
B Development of Commissioning Specifications	\$ 612.00				100%	\$ 612.00	\$ -	\$ -
C Develop Construction Checklists	\$ 2,884.00				100%	\$ 2,884.00	\$ -	\$ (0.00)
D Construction Site Visits & Commissioning Team Meetings	\$ 13,911.00	5%			60%	\$ 8,346.60	\$ -	\$ 5,564.40
E Compile & Review Construction Checklists	\$ 4,637.00		10%		57%	\$ 2,643.09	\$ -	\$ 1,993.91
F Review Functional Test Procedures	\$ 1,923.00				34%	\$ 656.15	\$ -	\$ 1,266.85
G Direct & oversee execution of Functional Test Procedures	\$ 9,620.00				72%	\$ 6,926.40	\$ -	\$ 2,693.60
H Document, Correction & Retesting	\$ -				0%	\$ -	\$ -	\$ -
I Maintain Commissioning Issues Log & Report directly to Owner	\$ 2,338.00				4%	\$ 93.52	\$ -	\$ 2,244.48
J Prepare & Maintain Current Facility Requirements and O&M Plan	\$ 1,053.00				0%	\$ -	\$ -	\$ 1,053.00
K Prepare Final Commissioning Report & LEED Submittals	\$ 1,391.00				0%	\$ -	\$ -	\$ 1,391.00
L Training - Inclusion, Review, Verify	\$ 1,063.00				0%	\$ -	\$ -	\$ 1,063.00
M 10 Month Warranty Review	\$ 1,095.00				0%	\$ -	\$ -	\$ 1,095.00
N Develop On-Going Commissioning Plan	\$ 2,107.00				0%	\$ -	\$ -	\$ 2,107.00
Total Fees: Option 2	\$ 45,508.00					\$ 24,036.36	\$ -	\$ 21,471.64
Total Fees for Services	\$ 303,219.00				61%	\$ 185,174.42	\$ 11,905.28	\$ 118,044.58
Project Expenses	\$ 9,500.00	1%	2%	23%	23%	\$ 2,207.85	\$ 190.00	\$ 7,292.15
Grand Total, Fees & Expenses	\$ 312,719.00				60%	\$ 187,382.27	\$ 12,095.28	\$ 125,336.73