

**TOWN OF TRUMBULL
CONNECTICUT**



**Hillcrest Middle School Building Committee
March 31, 2026
7:00 pm
Council Chambers, Trumbull Town Hall**

Present: Joseph Costa, Andrew Lubin, Jeff Alterman, Bill Mecca, John Morello, Bob Gerbert and Fran Basbagill

Absent: J.C. Cinelli and Ann Sather

Also Present: Robert Tencza, Arcadis; Gregory Raucci, Bismark Construction; John Butkus, Arcadis; Michael Scott, TSKP; Town Attorney James Nugent; Maria Pires, Director of Finance; Kevin Dion, Director of Operations, Board of Education

The meeting was called to order at 7:00 pm followed by Roll Call and the Pledge of Allegiance.

Past Minutes

Mr. Lubin motioned to approve the minutes of March 10, 2026 as written; seconded by Mr. Mecca. Approved with abstention from Mr. Gerbert.

Public Comment

Bill Finch, 11 Ward Place – Thanked the Committee for their work on this project. Reminded the members that the best deal for the taxpayers is to do a PLA. Noted the benefits for the community. Need to balance what is best for the Town; not doing a PLA puts the Town in jeopardy.

Tony Cavalli, 35 Primrose Drive – 32-year electrical inspector for Bridgeport. Worked on numerous schools in Bridgeport with PLAs in place; jobs well done on time/within budget. Spoke on the hiring of local tradesman.

Dan McInerney, 90 Canoe Brook Road – spoke on the job fairs that would be offered at the high school and two middle schools. Training program is free. Individuals work during the day and attend school. Spoke on the specifics of the electrical training component. Asked to put the members to work so they can support the community. Noted the First Selectman is in favor of a PLA. Mr. Nugent will be reviewing a draft PLA for the project.

Review and Approval of Invoices

Mr. Tencza presented the following invoices for approval:

1. Arcadis Invoice for services in February - #3611731 in the amount of \$15,400 – **Mr. Mecca motioned to approve the invoice; seconded by Mr. Gerbert. Approved unanimously.**
2. Sustainable Engineering Solutions Invoice #5818 in the amount of \$6,125.00. Did complete 50% CD document review and submitted it to the Design Team. **Ms. Basbagill motioned to approve the invoice; seconded by Mr. Mecca. Approved unanimously.**

New Business

Architect's Project Update - TSKP – Mr. Scott noted the following:

1. Worked on the Phase I construction document package and presented to the Committee for approval.
2. Met with school administration, as they move from design development to construction documents, to provide more detail of the educational programmatic needs.
3. Met with Town departments for the school security infrastructure review that is a comprehensive buy-in from the Town from primary authorities having jurisdiction, school administration, school facilities. This included procedures to keep students safe in all types of emergencies. They have a good direction to work in and will meet again prior to issuing the Phase 2 construction documents.

OPM's Project Update – Arcadis – Mr. Tencza noted the following:

1. Assisted Purchasing with the RFPs for third party structural and code reviewers; packages were reviewed. There is an urgency to approve the code reviewers RFP tonight; third party structural review can wait until the next meeting.
2. Met with Bismark, Public Works and Parks and Rec to review project timelines and impacts.
3. Met with TPS and the Town on a safety and security meeting to determine what is needed both interior and exterior.
4. Met with the Design Team to start the new utility connections with associated paperwork; working with the Town to complete the paperwork and return to the Design Team.

(Costa) – do we have the approval from OSTA. (Tencza) – no approval at this time; had three questions - one for the Building Official (acknowledge they will not issue a permit until OSTA approval), one for the local traffic authority (regarding the traffic study) and BOE Superintendent (land use because they did not go through Zoning). Need a response to add to the paperwork; should be back this week and sent out. (Scott) – felt this matter should be completed before they go to the PCR; if not, this review can often help move paperwork forward. (Lubin) – do we need a code reviewer to submit to the State for the review. (Tencza) – yes – Fire Marshall, Building Official, 504 and Health Department.

90-Day Look Ahead –

1. Approval of the Phase 1 documents requested; will be attending the Board of Education meeting next week for their approval and signature. With successful approvals, they will move to a PCR with OGA. If favorable and OSTA approval received, they will be going out to bid for Phase 1.

2. May Outlook – Phase 1 bidding; Phase 2 construction documents completion and estimating rounds; issuing an RFP for Materials Testing Agency to have them on board in June in time for start of construction.
3. June Outlook - Start of construction deadline of June 6 – Mr. Butkus noted the referendum was in November and the Town promptly submitted required documentation to the State. It was perceived that the two years from grant award was tied to the November date. The actual letter was signed in November but dated June 6 because that was the date of the legislative action that provided the funding for the project. The two-year deadline is actually June 6, 2026. Two ways to meet the deadline is to break off a small piece of the Phase 1 for the temporary security fencing around the property and issue the contract ASAP. Alternative would have the Superintendent request an extension of the deadline.

(Costa) – when is the anticipated bid due date. (Butkus) – May 18, 2026; is it possible to have a contract in three weeks. (Butkus) – project team can make it work; Finance Director indicated the approval of the mini-GMP does not have to go back through Town Council. Would need a notice of intent for the contract; contract amendment could be done for all of Phase 1. (Lubin) – consequences of not starting on time. (Butkus) – in legislative terms, the grant expires. Extension of the date is within days of submission of the Superintendent’s letter. No downside to asking for an extension with construction starting a month later. **It was agreed to request the Superintendent to submit a letter to the State for an extension.**

4. Also in June looking to have a Phase 1 notice to proceed to Bismark. They will obtain the building permits. Selecting a materials testing agency that will test soils, aggregates, concrete, steel for quality assurance. Building Committee and Board of Education approval of Phase 2 documents to set up the OGA PCR for July.
5. Schedule was reviewed for the first package.
6. The four Code Reviewer bids were discussed. (Gerbert) – no architectural representation in any bid. (Nugent) – Town holds the contract; should be completed ASAP. (Costa) – **Mr. Gerbert motioned to approve award to WSP USA Buildings, Inc. for the Third Party Code Reviewer; seconded by Mr. Lubin.** This is in the master budget. **Approved unanimously.**
7. Bid submissions for the Third Party Structural Reviewer were reviewed at a high level but no action was taken to afford the Committee members time to review each submission.

Construction Manager Update – Bismark – Mr. Raucci noted the following:

1. Attended the site Security meeting.
2. Spoke with DPW regarding total fill leaving the site.
3. Continue to meet with the structural team and Mr. Scott on RAM (early detailing package).
4. Updated pre-construction schedule, developed the site safety plan and reviewed the logistics with all necessary parties.
5. Bid packages approved by CHRO were reviewed for Phase 1.
6. Add Alternatives/Deducts were reviewed for Phase 1.
7. Allowance Schedule was reviewed.

(Costa) – is storm water control covered in the scope package. (Raucci) – budget includes coverage for unknowns.

8. Site Modeling was shown. Depicts how much fill will be coming out; where the building is - roughly 17,000 cubic yards but total yardage of fill will be 40,000 in and out including the building, demolition and grading.
9. Discussed the Phase 1 GMP – bids due May 18; fencing contract possible.
10. Site work budget reviewed; includes contingency percentages, general requirements, liability, bonds, permits. Escalation has been covered at 3%.
11. Site logistics were reviewed - start date is July 6; 2026; building phases were presented with a completion date of April 15, 2029.
12. Safety signage on Daniels Farm Road noted.

Mr. Butkus referenced a discussion held with DPW and Parks with regard to the front portion of the property that dips down from the parking lot to Daniels Farm Road. DPW has a considerable amount of available fill this summer that would allow that depression to be brought up to the level of the parking lot. This would allow Parks flexibility in the long term if a field is not feasible at this time. No decision has been made on this but would need to be completed by Fall. This would be no cost to the project. (Costa) – fill consistency and placement needs to be considered. The Design and Construction Teams should review and inform the Committee as to the feasibility.

Next Meeting

April 14, 2026 at 7:00 pm.

Actions/Approvals of Building Committee

Mr. Butkus requested approval of the documents to be sent to the State for the plan review including the drawings for Phase 1, project manual/technical specs, bidding requirements and the budget. By giving approval, the Chairman has authority to sign the form to request the plan review. A similar presentation and request for a vote will be at the Board of Education meeting next week. **Ms. Basbagill motioned that the Building Committee approve the submission of documents for Phase 1 for Plan Review by the Office of Grants Administration; seconded by Mr. Gerbert. Approved unanimously.**

Mr. Costa noted he will be making a presentation to the Town Council next week to update them on the status of the project. TSKP was requested to provide visuals and Arcadis requested to provide updated budget information.

PLA vote is required before they go to bid. Mr. Butkus noted with the bidding schedule, they recommend to carve out Phase 1 which is a small percentage of the total construction cost. The largest dollar value in Phase 1 is the drilling of the wells which is often excluded in PLA text. A PLA needs to go before Council for approval. To have the document ready for Phase 1 is in conflict but should aim for inclusion in the document package for Phase 2. (Nugent) – will investigate the approval requirement by the Town Council.

Adjournment

There being no further business, motion was made by Mr. Lubin to adjourn the meeting at 8:08 pm; seconded by Mr. Morello. Approved unanimously.

Respectfully submitted,

Barbara Crandall
Clerk

A photograph of a classroom scene. A female teacher with blonde hair and glasses is leaning over a desk, assisting a group of students. The students are seated at desks, some using laptops. The background shows other students and classroom windows. The text is overlaid on the image.

HILLCREST MIDDLE SCHOOL TOWN OF TRUMBULL

Hillcrest Middle School Building Committee
Arcadis Report

March 31, 2026



AGENDA

A) Project Updates

B) 90 Day Look-Ahead

C) Invoices for Review & Approval

D) Action Item: Selection of 3rd Party Structural and Code Review Consultants

E) Action Item: Review and Approval of Bid Alternates (Bismark Presentation)

F) Action Item: Review and Approval of Phase 1 Documents

An overhead view of two construction workers wearing high-visibility vests and hard hats (one yellow, one orange) leaning over a large table. They are reviewing architectural blueprints. The table is cluttered with various items: a rolled-up white tube, a stack of papers, a tablet, a smartphone, a water bottle, a pen, a small wooden block, and a green marker. The background is a dark, textured surface.

PROJECT UPDATES



PROJECT UPDATES

- 3rd Party Structural and Code Reviewer RFP Addenda and Scope Reviews
- Meeting with Bismark, Public Works, Parks & Recreation to review project timeline and impacts
- Meeting the TPS & TOT to discuss Safety & Security
- Working with Design Team and TPS to submit permits and new utility services

A person's hand is shown hovering over the keyboard of a silver laptop. The scene is dimly lit, with a warm light source visible in the background, possibly a lamp or a window. To the left of the laptop, there is a small potted plant with green grass-like leaves. The background is out of focus, showing a window with a view of a body of water and some distant lights. The overall mood is calm and focused.

90 Day-Look Ahead



90 DAY LOOK AHEAD SCHEDULE

April 2026

- BOE Approval of Phase 1 Construction Docs (April 7th)
- Phase 1 PCR (Pre-Bid Conformance Review) with OGA
- OSTA Approval

May 2026

- Phase 1 Bidding Process Begins
- Phase 2 Construction Documents Completion & Estimating
- Issue Material Testing Agency RFP

June 2026

- Start of Construction Deadline June 6th
- Phase 1 Notice to Proceed
- Phase 1 Building Permit
- Select Material Testing Agency
- HMSBC & BOE Approval of Phase 2 Construction Documents

Hillcrest Middle School
PHASE 1 & 2 GMP
PRECONSTRUCTION MILESTONE SCHEDULE

3/26/2026



Milestones		Schedule Plan	Current Target	Actual	Delta
☐	Schematic Design	August 15, 2026		August 15, 2026	0
☐	SD Estimate & Reconciliation	September 6, 2026		September 11, 2026	5
☐	HSBC Approval of SD	September 8, 2026		September 16, 2026	8
☐	Trumbull IWL Approval	December 19, 2025		February 3, 2026	46
☐	Design Development	December 19, 2025		December 18, 2025	-1
☐	DD Estimate & Reconciliation	January 22, 2026		January 22, 2026	0
☐	HSBC Approval of DD	January 27, 2026		January 27, 2026	0
☐	Phase 1 Construction Documents	March 19, 2026		March 26, 2026	7
9	Phase 1 HMSBC Approval of CD's	~~March 24, 2026~~	March 31, 2026*		
10	Phase 1 BOE Approval of CD's	~~March 24, 2026~~	April 7, 2026		
11	OSTA Approval	April 10, 2026			
12	Phase 1 OGA PCR Approval	April 28, 2026			
13	RFP for Material Testing & Special Inspection Coordinator	April 29, 2026			
14	Phase 1 Advertise for Bid	May 1, 2026			
15	Phase 2 Construction Documents	~~May 1, 2026~~	May 19, 2026		
16	Phase 2 3rd Party Reviews Reports Completed	May 21, 2026			
17	Phase 1 Bids Received	May 22, 2026			
18	Phase 1 Temp Fence BP Approval by HMSBC	~~June 9, 2026~~	May 26, 2026*		
19	Phase 1 Sitework BP Scope Reviews	May 29, 2026			
20	Phase 1 Building Permit Approval	June 4, 2026			
21	Phase 1 Sitework BP Recommendation to HMSBC	June 4, 2026			
22	Phase 2 CD Estimate Reconciliation	~~May 21, 2026~~	June 5, 2026		
23	Start of Construction Deadline	June 6, 2026			
24	Phase 2 HMSBC & BOE Approval of CD's	~~May 24, 2026~~	June 9, 2026*		
25	Phase 1 Sitework BP Approval by HMSBC	June 9, 2026			
26	Selection of Material Testing & Special Inspection Coordinator	June 9, 2026*			
27	Phase 1 Approved by Town of Trumbull	June 12, 2026			
28	Phase 1 Start of Construction	~~June 25, 2026~~	July 6, 2026		
29	Phase 2 OGA PCR Approval	July 24, 2026			
30	Phase 2 Advertise for Bid	July 27, 2026			
31	Phase 2 Bids Received	August 21, 2026			
32	Phase 2 Scope Reviews	August 28, 2026			
33	Phase 2 Building Permit Approval	August 28, 2026			
34	Project GMP Recommendation to HMSBC	September 3, 2026			
35	Project GMP Approval by HMSBC	September 8, 2026*			
36	Project GMP Approved by Town of Trumbull	September 9, 2026			
37	Phase 2 Start of Construction	September 14, 2026			
	*HMSBC Meeting Dates				

A close-up, slightly blurred photograph of a person's hand pointing at a laptop screen. The laptop is open on a dark wooden desk. To the left of the laptop is a small potted plant with green grass-like leaves. In the background, a warm, glowing light source, possibly a lamp, is visible, creating a bokeh effect. The overall scene suggests a professional or office environment.

INVOICES FOR APPROVAL

Invoices For Approval



INVOICE/PAYMENT APPLICATIONS SUMMARY

Invoice #/ Payment Application Date	Invoice #/ Payment Application #	Period Ending	Description of Service	Vendor	Total Amount Billed
03/10/26	36111731	2/28/26	Owner Representative Services	Arcadis	\$15,400.00
03/25/2	5818	3/31/26	Commissioning Services	Sustainable Engineering Solutions	\$6,125.00
					\$21,525.00

MOTION

The HMSBC approves the invoices as presented in the amount of \$21,525.00.

HILLCREST MIDDLE SCHOOL

PHASE 1 BUDGET SUMMARY

March 27, 2026

EXHIBIT A



Bid Pkg	Description	Subcontractor Recommended	Budget Value
1.00C	Temporary Fence		
	1 00C Temporary Fence		\$ 155,000.00
1.32A	Sitework		
	1.32A Sitework Total		\$ 13,672,000.00
Summary of Project Totals:			
	Cost of Work Total		\$ 13,827,000.00
	Construction Contingency 2%		\$ 276,540.00
	Preconstruction Services Fee		\$17,677
	General Conditions Staffing 2.6136%		\$ 368,610.12
	General Requirements 2.50%		\$ 352,588.50
	General Liability Insurance 1.05%		\$ 148,087.17
	Performance & Payment Bond 0.6173%		\$ 87,061.15
	Building Permit		WAIVED
	State of Connecticut Education Permit Fee		\$ 3,920.17
	CM Fee 1.63%		\$ 245,828.19
Base Project Total:			
			\$ 15,327,312.11

Building Square footage noted: 145,884 SF

Poster Session 1



Estimate Summary Report Hillcrest Middle School

DESIGN DEVELOPMENT ESTIMATE - BP 1.00C

March 27, 2026

Estimate Totals			
LVL 2			
LEVEL 2 GROUP ELEMENTS			
DD ESTIMATE		Gross Floor Area 140,300	Estimated Construction Cost
		\$/sf	
A10	FOUNDATIONS	\$	-
A20	BASEMENT CONSTRUCTION	\$	-
B10	SUPERSTRUCTURE	\$	-
B20	EXTERIOR CLOSURE	\$	-
B30	ROOFING	\$	-
C10	INTERIOR CONSTRUCTION	\$	-
C20	STAIRS	\$	-
C30	INTERIOR FINISHES	\$	-
D10	CONVEYING	\$	-
D20	PLUMBING	\$	-
D30	HVAC	\$	-
D40	FIRE PROTECTION	\$	-
D50	ELECTRICAL	\$	-
E10	EQUIPMENT	\$	-
E20	FURNISHINGS	\$	-
F10	SPECIAL CONSTRUCTION	\$	-
F20	SELECTIVE BUILDING DEMOLITION	\$	-
G10	SITE PREPARATION	\$	155,000
G20	SITE IMPROVEMENTS	\$	-
G30	SITE MECHANICAL UTILITIES	\$	-
G40	SITE ELECTRICAL UTILITIES	\$	-
G90	OTHER SITE CONSTRUCTION	\$	-
CONSTRUCTION TRADE COST - BP 100.C Temporary Fence		\$	155,000

Table 1: BUILDING

LEVEL 2 GROUP ELEMENTS									
ELEMENT	Level 3 Element	Rate	Quantity	Unit	Unit Rate	Amount	Cost per Unit GFA	% Trade	Cost
FOUNDATIONS	A1010	Standard Foundations					\$0.00		#DIV/0!
	A1020	Special Foundations					0.00		#DIV/0!
	A1030	Slab on Grade					0.00		#DIV/0!
	A20	BASEMENT CONSTRUCTION					\$0.00		#DIV/0!
	A2010	Basement Excavation					0.00		#DIV/0!
	B10	SUPERSTRUCTURE					\$0.00		#DIV/0!
	B1010	Floor Construction					\$0.00		#DIV/0!
	B1020	Roof Construction					0.00		#DIV/0!
	B20	EXTERIOR CLOSURE					\$0.00		#DIV/0!
	B2010	Exterior Walls					0.00		#DIV/0!
ROOFING	B2030	Exterior Doors					0.00		#DIV/0!
	B3010	Roof Coverings					0.00		#DIV/0!
	B3020	Roof Openings					0.00		#DIV/0!
	C10	INTERIOR CONSTRUCTION					\$0.00		#DIV/0!
	C1010	Partitions					0.00		#DIV/0!
	C1020	Interior Doors					0.00		#DIV/0!
	C1030	Fittings					0.00		#DIV/0!
	C20	STAIRS					\$0.00		#DIV/0!
	C2010	Stair Construction					0.00		#DIV/0!
	C30	INTERIOR FINISHES					\$0.00		#DIV/0!
CONVEYING	C3010	Wall Finishes					0.00		#DIV/0!
	C3020	Floor Finishes					0.00		#DIV/0!
	C3030	Ceiling Finishes					0.00		#DIV/0!
	D10	Elevators & Moving Walks					\$0.00		#DIV/0!
	D1010	Elevators & Lifts					0.00		#DIV/0!
	D1020	Escalators & Moving Walks					0.00		#DIV/0!
	D1090	Other Conveying Systems					0.00		#DIV/0!
	D20	PLUMBING					\$0.00		#DIV/0!
	D2010	Plumbing Fixtures					0.00		#DIV/0!
	D2020	Domestic Water Distribution					0.00		#DIV/0!
HVAC	D2030	Sanitary Waste					0.00		#DIV/0!
	D2040	Rain Water Drainage					0.00		#DIV/0!
	D2090	Other Plumbing Systems					0.00		#DIV/0!
	D30	HVAC					\$0.00		#DIV/0!
	D3010	Energy Supply					0.00		#DIV/0!
	D3020	Heat Generating Systems					0.00		#DIV/0!
	D3030	Cooling Generating Systems					0.00		#DIV/0!
	D3040	Distribution Systems					0.00		#DIV/0!
	D3050	Terminal & Package Units					0.00		#DIV/0!
	D3060	Controls and Instrumentation					0.00		#DIV/0!
FIRE PROTECTION	D3070	Systems Testing & Balancing					0.00		#DIV/0!
	D3090	Other HVAC Systems & Equipment					0.00		#DIV/0!
	D40	FIRE PROTECTION					\$0.00		#DIV/0!
	D4010	Smoke Alarms					0.00		#DIV/0!
	D4020	Standpipes					0.00		#DIV/0!
	D4030	Fire Protection Specialties					0.00		#DIV/0!
	D4090	Other Fire Protection Systems					0.00		#DIV/0!
	D50	ELECTRICAL					\$0.00		#DIV/0!
	D5010	Electrical Service and Distribution					0.00		#DIV/0!
	D5020	Lighting & Branch Wiring					0.00		#DIV/0!
EQUIPMENT	D5030	Communications & Security					0.00		#DIV/0!
	D5090	Other Electrical Systems					0.00		#DIV/0!
	E10	EQUIPMENT					\$0.00		#DIV/0!
	E1010	Commercial Equipment					0.00		#DIV/0!
	E1020	Institutional Equipment					0.00		#DIV/0!
	E1030	Vehicle Equipment					0.00		#DIV/0!
	E1090	Other Equipment					0.00		#DIV/0!
	E20	FURNISHINGS					\$0.00		#DIV/0!
	E2010	Fixed Furnishings					0.00		#DIV/0!
	E2020	Movable Furnishings					0.00		#DIV/0!
SPECIAL CONSTRUCTION	F10	SPECIAL CONSTRUCTION					\$0.00		#DIV/0!
	F1010	Special Structures					0.00		#DIV/0!
	F1020	Integrated Construction					0.00		#DIV/0!
	F1030	Special Construction Systems					0.00		#DIV/0!
	F1040	Special Facilities					0.00		#DIV/0!
	F1050	Special Controls and Instrumentation					0.00		#DIV/0!
	F20	SELECTIVE BUILDING DEMOLITION					\$0.00		#DIV/0!
	F2010	Building Elements Demolition					0.00		#DIV/0!
	F2020	Hazardous Components Abatement					0.00		#DIV/0!
	Z10	Design Development Allowance					0.0%		#DIV/0!
Building Trade Cost without Design Allowance:							\$0.00		#DIV/0!
Building Trade Cost (BTC):							\$0.00		#DIV/0!

Construction Managers | General Contractors

Bismark

NOTES

1. The classification conforms to ASTM Designation E1557 "Standard Classification of Building Elements and Related Sitework - UNIFORMAT II", E2083 "Standard Classification of Field Requirements and Office Overhead & Profit", and E2168 "Standard Classification of Allowances, Contingencies and Reserves".

2. The "Building Trade Cost without Design Allowance" is designated as 100% value for the project; this figure is the Design-to-Cost (DTC) objective for designers based on trade level costing.

3. Construction contingencies (part of the project costs) are not included in the summaries.

ABBREVIATIONS

TSA: Total Site Area
FPA: Foot Print Area
GFA: Gross Floor Area
NSA: Net Site Area
BTC: Building Trade Cost
BCC: Building Construction Cost
STC: Sitework Trade Cost
SCC: Sitework Construction Cost
TCC: Total Construction Cost

MAIN PARAMETERS

Name: Hillcrest Middle School
Location: Daniels Farm Road, Trumbull
Facility Type: Educational
Cost Index: 100.0
Estimate Classification: Class 3 (Preliminary Design)
Reference: 1/20/2026
Bid Date: 1/01/2000
Start Date: 1/01/2000
Finish Date: 6/30/2029
Design GFA: 140300
Program GFA: 140300
Difference: 0
TSA: 0
FPA: 0
NSA: 0.00

Level 1 Major Group Elements

A. SUBSTRUCTURE	\$0
B. SHELL	\$0
C. INTERIORS	\$0
D. SERVICES	\$0
E. EQUIPMENT & FURNISHINGS	\$0
F. SPECIAL CONSTRUCTION & DEMOLITION	\$155,000
G. SITEWORK	\$0
X & Z. FIELD REQS. OFFICE OVERHEAD & PROFIT	\$0
AND ALLOWANCES	\$0
Total Construction Cost (TCC)	\$155,000

UNIFORMAT II ELEMENTAL COST SUMMARY AND ANALYSIS

TOTAL - BUILDING CONSTRUCTION COST (BCC)									
Z20		Inflation Allowance		0.0%					
X20		Building Construction Cost without Inflation:		\$0		#DIV/0!			
X10		Office Overhead & Profit		0.0%		\$0		#DIV/0!	
X		FIELD REQUIREMENTS, OFFICE OVERHEAD & PROFIT		0.0%		\$0		#DIV/0!	

Table 2: SITEWORK

LEVEL 2 GROUP ELEMENTS									
G10		SITE PREPARATION		Rate	Quantity	Unit	Unit Rate	Amount	Cost per
G1010		Site Clearing						\$155,000	1.10
G1020		Site Demolition and Relocations						0.00	0.00
G1030		Site Earthwork						0.00	0.00
G1040		Hazardous Waste Remediation						0.00	0.00
G20		SITE IMPROVEMENTS						\$0.00	0.00
G2010		Roadways						0.00	0.00
G2020		Parking Lots						0.00	0.00
G2030		Pedestrian Paving						0.00	0.00
G2040		Site Development						0.00	0.00
G2050		Landscaping						0.00	0.00
G30		SITE MECHANICAL UTILITIES						\$0.00	0.00
G3010		Water Supply						0.00	0.00
G3020		Sanitary Sewer						0.00	0.00
G3030		Storm Sewer						0.00	0.00
G3040		Heating Distribution						0.00	0.00
G3050		Cooling Distribution						0.00	0.00
G3060		Fuel Distribution						0.00	0.00
G3080		Other Site Mechanical Utilities						0.00	0.00
G40		SITE ELECTRICAL UTILITIES						\$0.00	0.00
G4010		Electrical Distribution						0.00	0.00
G4020		Site Lighting						0.00	0.00
G4030		Site Communications & Security						0.00	0.00
G4090		Other Site Electrical Utilities						0.00	0.00
G90		OTHER SITE CONSTRUCTION						\$0.00	0.00
G9010		Service and Pedestrian Tunnels						0.00	0.00
G9090		Other Site Systems						0.00	0.00
Z10		Design Development Allowance		0.0%		\$0		1.10	
Z20		Inflation Allowance		0.0%		\$0		1.10	
TOTAL - SITEWORK CONSTRUCTION (SCC)				\$155,000		\$2.21		100.0%	

Table 3: TOTAL CONSTRUCTION COST SUMMARY (TCC)

Building									
		Cost		%		Cost		%	
Building Trade Cost without Design Allowance:		0		0.0%		155,000		100.0%	
Field Requirements, Office Overhead & Profit		0		0.0%		0		0.0%	
Design Allowance		0		0.0%		0		0.0%	
Inflation Allowance		0		0.0%		0		0.0%	
Total Construction Cost (TCC)		0		0.0%		155,000		100.0%	
		Cost		%		Cost		%	
Sitemwork		0		0.0%		0		0.0%	
Total		0		0.0%		155,000		100.0%	
Cumulative		Cost		%		Cost		%	
		0		0.0%		155,000		100.0%	

Table 4: Remarks

MAIN PARAMETERS									
Name		Location		Facility Type		Cost Index		Estimate Classification	
Hillcrest Middle School		Daniels Farm Road, Trumbull		Educational		100		Class 3 (Preliminary Design)	
Reference		Estimate Date		Bid Date		Start Date		Finish Date	
		1/20/2026		1/0/1900		1/0/1900		6/30/2029	
Design GFA		140300		0.00		0.00		0.00	
Program GFA		140300		0.00		0.00		0.00	
TSA		0		0.00		0.00		0.00	
FPA		0.00		0.00		0.00		0.00	
NSA		#VALUE!		0.00		0.00		0.00	
Difference		0		0.00		0.00		0.00	
Total Construction Cost (TCC)		\$155,000							

Bismark Construction Co., Inc	
100 Bridgeport Av	
Milford, CT 06460	
USA	

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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GENERAL CONDITIONS

	Site Construction Fencing	4800 lf		\$	25.00	\$120,000
	Fence at Geothermal	1400 lf		\$	25.00	\$35,000
	Tracking Pads	ea		\$	7,500.00	\$0
	Mobilizations	ls		\$	75,000.00	\$0
	Construct Temp Laydown/Construction	sf		\$	2.00	\$0

	Parking	ls		\$	100,000.00	\$0
	Survey/Layout	ls		\$	42.00	\$0
	Temp Paving	sy		\$	10.00	\$0
	Demo Temp Paving	sy		\$	1.25	\$0
	Restore Laydown Areas	sf		\$		\$0
	Street Sweeping	ls		\$	45,000.00	\$0
	Dust Control	ls		\$	30,000.00	\$0
	Temp Teacher Parking	ls		\$	40,000.00	\$0
	Police Protection	ls		\$	60,000.00	\$0
	Snow Removal	ls		\$	70,000.00	\$0
	Temporary Security Lighting	ls		\$	40,000.00	\$0

	Temp Heat	LS		\$	175,000.00	\$0
	Temporary Window/Door Infill	LS		\$	80,000.00	\$0
	Temporary Stair Towers	LS		\$	65,000.00	\$0
	Water Utility Usage	LS		\$	40,000.00	\$0
	Clearing and Grubbing	ac		\$	9,000.00	\$0
	Stumping	ls		\$	20,000.00	\$0
	Sediment and Erosion Control Fence	lf		\$	8.00	\$0
	Staked Haybales	lf		\$	12.00	\$0
	Inlet Protection	ls		\$	30,000.00	\$0
	Temporary Sediment basins	ea		\$	25,000.00	\$0
	Anti-Tracking Pads	ea		\$	8,000.00	\$0
	Stockpile Protection	ls		\$	12,000.00	\$0
	Temporary Seeding	ls		\$	25,000.00	\$0
	Maintain Erosion Control Measures	ls		\$	50,000.00	\$0

	Strip Topsoil/Dispose	cy		\$	12.00	\$0
	Temporary Sanitary Facilities	mt		\$	540.00	\$0
	PPE	ls		\$	500.00	\$0
	First Aid Supplies	ls		\$	500.00	\$0
	Daily Housekeeping	hrs		\$	92.00	\$0
	Dumpsters	ea		\$	800.00	\$0
	Safety & Wayfinding Signage	ls		\$	1,000.00	\$0

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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SITE DEMOLITION

	Demolish Asphalt Paving/Curbs	sf		\$	1.65	\$0
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Estimate Summary Report Hillcrest Middle School

DESIGN DEVELOPMENT ESTIMATE - BP 1.32 Sitework

March 27, 2026

Estimate Totals

LVL 2			LEVEL 2 GROUP ELEMENTS	
			DD ESTIMATE	
			Estimated Construction Cost	
			\$/sf	Gross Floor Area 140,300
A10	FOUNDATIONS	\$	17.51	2,457,000
A20	BASEMENT CONSTRUCTION	\$	-	-
B10	SUPERSTRUCTURE	\$	-	-
B20	EXTERIOR CLOSURE	\$	-	-
B30	ROOFING	\$	-	-
C10	INTERIOR CONSTRUCTION	\$	-	-
C20	STAIRS	\$	-	-
C30	INTERIOR FINISHES	\$	-	-
D10	CONVEYING	\$	-	-
D20	PLUMBING	\$	-	-
D30	HVAC	\$	26.28	3,687,000
D40	FIRE PROTECTION	\$	-	-
D50	ELECTRICAL	\$	1.15	162,000
E10	EQUIPMENT	\$	-	-
E20	FURNISHINGS	\$	-	-
F10	SPECIAL CONSTRUCTION	\$	-	-
F20	SELECTIVE BUILDING DEMOLITION	\$	-	-
G10	SITE PREPARATION	\$	24.95	3,501,000
G20	SITE IMPROVEMENTS	\$	12.69	1,780,000
G30	SITE MECHANICAL UTILITIES	\$	12.87	1,805,000
G40	SITE ELECTRICAL UTILITIES	\$	2.00	280,000
G90	OTHER SITE CONSTRUCTION	\$	-	-
CONSTRUCTION TRADE COST			97.45	13,672,000

ALTERNATES

1	PV Array	ADD	\$	154,500.00
2	Folding Partition	DEDUCT	\$	758,860.00
3	Solar Shading Devices	ADD	\$	310,000.00
4	Senior Parking 40 Spaces	ADD	\$	175,000.00
5	Additional Athletic Field	ADD	\$	
6	Pickleball Courts	ADD	\$	
7	Repave Entry Road	ADD	\$	

UNIFORMAT II ELEMENTAL COST SUMMARY AND ANALYSIS

Table 1: BUILDING

LEVEL 2 GROUP ELEMENTS									
A10	FOUNDATIONS	Level 3 Element	Ratio	Quantity	Unit	Unit Rate	Amount	Cost per Unit GFA	% Trade Cost
A1010	Standard Foundations						413000	\$17.61	39.0%
A1020	Special Foundations						2044000	14.57	
A200	BASEMENT CONSTRUCTION								
A2010	Basement Excavation						0	\$0.00	0.0%
A2020	Basement Walls						0	\$0.00	0.0%
B10	SUPERSTRUCTURE								
B1010	Floor Construction						0	\$0.00	0.0%
B1020	Roof Construction						0	\$0.00	0.0%
B20	EXTERIOR CLOSURE								
B2010	Exterior Walls						0	\$0.00	0.0%
B2020	Exterior Windows						0	\$0.00	0.0%
B2030	Exterior Doors						0	\$0.00	0.0%
B30	ROOFING								
B3010	Roof Coverings						0	\$0.00	0.0%
B3020	Roof Openings						0	\$0.00	0.0%
C10	INTERIOR CONSTRUCTION								
C1010	Partitions						0	\$0.00	0.0%
C1020	Interior Doors						0	\$0.00	0.0%
C1030	Fittings						0	\$0.00	0.0%
C20	STAIRS								
C2010	Stair Construction						0	\$0.00	0.0%
C2020	Stair Finishes						0	\$0.00	0.0%
C30	INTERIOR FINISHES								
C3010	Wall Finishes						0	\$0.00	0.0%
C3020	Floor Finishes						0	\$0.00	0.0%
C3030	Ceiling Finishes						0	\$0.00	0.0%
D10	CONVEYING								
D1010	Elevators & Lifts						0	\$0.00	0.0%
D1020	Escalators & Moving Walks						0	\$0.00	0.0%
D1090	Other Conveying Systems						0	\$0.00	0.0%
D20	PLUMBING								
D2010	Plumbing Fixtures						0	\$0.00	0.0%
D2020	Domestic Water Distribution						0	\$0.00	0.0%
D2030	Sanitary Waste						0	\$0.00	0.0%
D2040	Rain Water Drainage						0	\$0.00	0.0%
D2090	Other Plumbing Systems						0	\$0.00	0.0%
D30	HVAC								
D3010	Energy Supply						3687000	\$26.28	58.5%
D3020	Heat Generating Systems						0	\$0.00	0.0%
D3030	Cooling Generating Systems						0	\$0.00	0.0%
D3040	Distribution Systems						0	\$0.00	0.0%
D3050	Terminal & Package Units						0	\$0.00	0.0%
D3060	Controls and Instrumentation						0	\$0.00	0.0%
D3070	Systems Testing & Balancing						0	\$0.00	0.0%
D3090	Other HVAC Systems & Equipment						0	\$0.00	0.0%
D40	FIRE PROTECTION								
D4010	Sprinklers						0	\$0.00	0.0%
D4020	Standpipes						0	\$0.00	0.0%
D4030	Fire Protection Specialties						0	\$0.00	0.0%
D4090	Other Fire Protection Systems						0	\$0.00	0.0%
D50	ELECTRICAL								
D5010	Electrical Service and Distribution						0	\$0.00	2.6%
D5020	Lighting & Branch Wiring						0	\$0.00	0.0%
D5030	Communications & Security						0	\$0.00	0.0%
D5090	Other Electrical Systems						162000	1.15	0.0%
E10	EQUIPMENT								
E1010	Commercial Equipment						0	\$0.00	0.0%
E1020	Institutional Equipment						0	\$0.00	0.0%
E1030	Vehicle Equipment						0	\$0.00	0.0%
E1090	Other Equipment						0	\$0.00	0.0%
E20	FURNISHINGS								
E2010	Fixed Furnishings						0	\$0.00	0.0%
E2020	Movable Furnishings						0	\$0.00	0.0%
F10	SPECIAL CONSTRUCTION								
F1010	Special Structures						0	\$0.00	0.0%
F1020	Integrated Construction						0	\$0.00	0.0%
F1030	Special Construction Systems						0	\$0.00	0.0%
F1040	Special Facilities						0	\$0.00	0.0%
F1050	Special Controls and Instrumentation						0	\$0.00	0.0%
F20	SELECTIVE BUILDING DEMOLITION						0	\$0.00	0.0%
F2010	Building Elements Demolition						0	\$0.00	0.0%
F2020	Hazardous Components Abatement						0	\$0.00	0.0%
Z10	Design Development Allowance								
	Building Trade Cost without Design Allowance:						\$6,306,000	44.95	100.0%
	Building Trade Cost (BTC):						\$6,306,000	44.95	100.0%

Bismark

Construction Managers | General Contractors

1. The classification conforms to ASTM Designation E1557 "Standard Classification of Building Elements and Related Sitework - UNIFORMAT II", E2083 "Standard Classification of Field Requirements and Office Overhead & Profit", and E2168 "Standard Classification of Allowances, Contingencies and Reserves".
2. The "Building Trade Cost without Design Allowance" is designated as 100% value for the project; this figure is the Design-to-Cost (DTC) objective for designers based on trade level costing.
3. Construction contingencies (part of the project costs) are not included in the summaries.

ABBREVIATIONS
TSA: Total Site Area
FPA: Foot Print Area
GFA: Gross Floor Area
NSA: Net Site Area
BTC: Building Trade Cost
BCC: Building Construction Cost
STC: Sitework Trade Cost
SCC: Sitework Construction Cost
TCC: Total Construction Cost

MAIN PARAMETERS
Name
Location
Daniel's Farm Road, Trumbull
Facility Type
Educational
Cost Index
100.0
Estimate Classification
Class 3 (Preliminary Design)
Reference
Estimate Date
1/20/2026
Bid Date
1/01/1900
Start Date
1/01/1900
Finish Date
6/30/2029
Design GFA
140300
Program GFA
140300
Difference
0
TSA
0
FPA
0
NSA
0.00

Level 1
Major Group Elements
A. SUBSTRUCTURE
\$2,457,000
B. SHELL
\$0
C. INTERIORS
\$0
D. SERVICES
\$3,849,000
E. EQUIPMENT & FURNISHINGS
\$0
F. SPECIAL CONSTRUCTION & DEMOLITION
\$7,366,000
G. SITEWORK
\$0
X & Z. FIELD REQS. OFFICE OVERHEAD & PROFIT.
\$0
AND ALLOWANCES
\$13,672,000
Total Construction Cost (TCC)

	Building	Sitework	Total	Cumulative	%
	Cost	Cost	Cost	Cost	%
Building Trade Cost without Design Allowance:	6,306,000	7,366,000	13,672,000	13,672,000	100.0%
Field Requirements, Office Overhead & Profit	0	0	0	13,672,000	100.0%
Design Allowance	0	0	0	13,672,000	100.0%
Inflation Allowance	0	0	0	13,672,000	100.0%
Total Construction Cost (TCC)	6,306,000	7,366,000	13,672,000	13,672,000	100.0%

Table 3: TOTAL CONSTRUCTION COST SUMMARY (TCC)

LEVEL 2 GROUP ELEMENTS										ELEMENT			Unit MSA			Cost per			% Trade		
Level 3 Element			Rate	Quantity	Unit	Unit Rate	Amount	Unit MSA	Cost per	% Trade	Level 3 Element			Rate	Quantity	Unit	Unit Rate	Amount	Unit MSA	Cost per	% Trade
G10	SITE PREPARATION																				
G1010	Site Clearing																				
G1020	Site Demolition and Relocations																				
G1030	Site Earthwork																				
G1040	Hazardous Waste Remediation																				
G20	SITE IMPROVEMENTS																				
G2010	Roadways																				
G2020	Parking Lots																				
G2030	Pedestrian Paving																				
G2040	Site Development																				
G2050	Landscaping																				
G30	SITE MECHANICAL UTILITIES																				
G3010	Water Supply																				
G3020	Sanitary Sewer																				
G3030	Storm Sewer																				
G3040	Heating Distribution																				
G3050	Cooling Distribution																				
G3060	Fuel Distribution																				
G3080	Other Site Mechanical Utilities																				
G40	SITE ELECTRICAL UTILITIES																				
G4010	Electrical Distribution																				
G4020	Site Lighting																				
G4030	Site Communications & Security																				
G4090	Other Site Electrical Utilities																				
G90	OTHER SITE CONSTRUCTION																				
G9010	Service and Pedestrian Tunnels																				
G9090	Other Site Systems																				
Z10	Design Development Allowance																				
X	FIELD REQUIREMENTS, OFFICE OVERHEAD & PROFIT																				
X10	Field Requirements																				
X20	Office Overhead & Profit																				
Z20	Inflation Allowance																				
TOTAL - SITEWORK CONSTRUCTION (SCC)																					

Table 2: SITEWORK

[illegible]

UNIFORMAT II ELEMENTAL COST SUMMARY AND ANALYSIS

MAIN PARAMETERS	
Name	Hillcrest Middle School
Location	Danels Farm Road, Trumbull
Facility Type	Educational
Cost Index	100
Estimate Classification	Class 3 (Preliminary Design)
Reference	
Estimate Date	1/20/2026
Bid Date	1/01/1900
Start Date	1/01/1900
Finish Date	6/30/2029
Design GFA	140300
Program GFA	140300
Difference	0
TSA	0
FPA	0.00
NSA	0.00
#VALUE!	0.00

Major Group Elements		Level 1
A. SUBSTRUCTURE	\$2,457,000	
B. SHELL	\$0	
C. INTERIORS	\$0	
D. SERVICES	\$3,849,000	
E. EQUIPMENT & FURNISHINGS	\$0	
F. SPECIAL CONSTRUCTION & DEMOLITION	\$0	
G. SITEWORK	\$7,366,000	
X & Z. FIELD REQS., OFFICE OVERHEAD & PROFIT,		
AND ALLOWANCES		
	\$0	
Total Construction Cost (TCC)	\$13,872,000	

Bismark Construction Co., Inc
100 Bridgeport Av
Milford, CT 06460
USA

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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033000 CONCRETE

CONTINUOUS FOOTING

3'-0" Wide X 1'-0" Deep Cont. Footing W/ 3#5 Cont. Bars, #5 Horiz Bars@16" Oc.

-	Formwork			SF	\$	8.18
-	Concrete, 4,500 Psi			CY	\$	584.24
-	3#5 Cont. Bars (Lf= 2172)			LBS	\$	3.62
-	#5 Horiz Bars@16" Oc. (Lf= 2172)			LBS	\$	3.62

4'-8" WideX1'-0" Deep Cont. Footing W/ 6#5 Cont. Bars, #5 Horiz Bars@12" Oc.

-	Formwork			SF	\$	8.18
-	Concrete, 4,500 Psi			CY	\$	584.24
-	6#5 Cont. Bars (Lf= 49)			LBS	\$	3.62
-	#5 Horiz Bars @12" Oc. (Lf= 49)			LBS	\$	3.62

4'-0" WideX1'-0" Deep Cont. Footing W/ 3#5 Cont. Bars, #4 Horiz Bars@12" Oc.

-	Formwork			SF	\$	8.18
-	Concrete, 4,500 Psi			CY	\$	584.24
-	3#5 Cont. Bars (Lf= 97)			LBS	\$	3.62
-	#4 Horiz Bars @12" Oc. (Lf= 97)			LBS	\$	3.62

2'-4" WideX1'-0" Deep Cont. Footing W/ 2#5 Cont. Bars

-	Formwork			SF	\$	8.18
-	Concrete, 4,500 Psi			CY	\$	584.24
-	2#5 Cont. Bars (Lf= 40)			LBS	\$	3.62

5'-4" WideX1'-3" Deep Cont. Footing W/ 6#5 Cont. Bars, #6 Transverse Bars@12" Oc.

-	Formwork			SF	\$	8.18
-	Concrete, 4,500 Psi			CY	\$	584.24
-	3#5 Cont. Bars (Lf= 95)			LBS	\$	3.62
-	#6 Transverse Bars@12" Oc. (Lf= 95)			LBS	\$	3.62

10'-0" WideX1'-6" Deep Cont. Footing W/ 14#5 Cont. Bars, #6 Transverse Bars@12" Oc. T&B

-	Formwork			SF	\$	8.18
-	Concrete, 4,500 Psi			CY	\$	584.24
-	3#5 Cont. Bars (Lf= 95)			LBS	\$	3.62
-	#6 Transverse Bars@12" Oc. (Lf= 95)			LBS	\$	3.62

10'-0" WideX1'-6" Deep Cont. Footing W/ 14#5 Cont. Bars, #6 Transverse Bars@16" Oc. T&B

-	Formwork			SF	\$	8.18
-	Concrete, 4,500 Psi			CY	\$	584.24
-	3#5 Cont. Bars (Lf= 95)			LBS	\$	3.62
-	#6 Transverse Bars@12" Oc. (Lf= 95)			LBS	\$	3.62

Thickened Slab Edge (1.80 S7) / 3#5 Cont. Bars

Formwork	SF	\$	8.18	\$
Concrete, 4,500 Psi	CY	\$	584.24	\$
Trowel/ Float Finish	SF	\$	1.90	\$
3#5 Cont. Bars (Lf= 500)	LBS	\$	3.62	\$

Thickened Slab Edge (0.80 SF) / 2#5 Cont.
Bars, #4@18" Oc. (2.5 L)

-	Formwork	SF	\$	8.18	\$
-	Concrete, 4,500 Psi	CY	\$	584.24	\$
-	Trowel/ Float Finish	SF	\$	1.90	\$
-	2#5 Cont. Bars (L= 105)	LBS	\$	3.62	\$
-	#4 @18" Oc. (L= 105)	LBS	\$	3.62	\$

CONCRETE PAD FOOTINGS

Item	Unit	Quantity	Unit Price	Total Price
F40: 4'-0"X4'-0"X1'-3" Deep Pad Footing	EA	1	\$ 8.18	\$ 8.18
Formwork	SF	1	\$ 8.18	\$ 8.18
Concrete, 4,500 Psi	CY	1	\$ 584.24	\$ 584.24
8 #4 Reinf. Bars Each Way	LBS	1	\$ 3.62	\$ 3.62

F50: 5'-0"X5'-0"X1'-3" Deep Pad Footing

Formwork	\$	8.18	\$
Concrete, 4,500 Psi	\$	584.24	\$
9 #4 Reinf. Bars Each Way	LBS	3.62	\$

F50T: 5'-0"X5'-0"X1'-5" Deep Pad Footing

Formwork	\$	8.18	\$
Concrete, 4,500 Psi	\$	584.24	\$
9 #4 Reinf. Bars Each Way, Top & Bott.	LBS	\$	3.62

F60: 6'-0"X6'-0"X1'-3" Deep Pad Footing

Formwork	\$	8.18	\$
Concrete, 4,500 Psi	\$	584.24	\$
10 #4 Reinf. Bars Each Way	\$	3.62	\$

F60T: 6'-0"X6'-0"X1'-3" Deep Pad Footing

Formwork	\$	8.18	\$
Concrete, 4,500 Psi	\$	584.24	\$
10 #4 Reinf. Bars Each Way, Top & Bott.	LBS	\$	3.62

F70: 7'-0"X7'-0"X1'-6" Deep Pad Footing

Formwork	\$	8.18	\$
Concrete, 4,500 Psi	\$	584.24	\$
10 #4 Reinf. Bars Each Way	LBS	3.62	\$

F70: 7'-0"X7'-0"X1'-6" Deep Pad Footing

-	Formwork	\$	8.18	\$
-	Concrete, 4,500 Psi	\$	584.24	\$
-	9 #5 Reinf. Bars Each Way, Top & Bott.	LBS	\$	3.62

F80: 8'-0"X8'-0"X1'-6" Deep Pad Footing

Formwork	\$	8.18	\$
Concrete, 4,500 Psi	\$	584.24	\$
9 #6 Reinf. Bars Each Way	LBS	3.62	\$

F80T: 8'-0"X8'-0"X1'-6" Deep Pad Footing

EA

Item	Unit	Quantity	Unit Price	Total Price
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
9 #7 Reinf. Bars Each Way	LBS	3.62	\$	\$ 3.62
F90: 9'-0"X9'-0"X2'-0" Deep Pad Footing	EA			
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
9 #7 Reinf. Bars Each Way	LBS	3.62	\$	\$ 3.62
F100T: 10'-0"X10'-0"X2'-3" Deep Pad Footing	EA			
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
10 #7 Reinf. Bars Each Way, Top & Bott.	LBS	3.62	\$	\$ 3.62
F110T: 11'-0"X11'-0"X2'-0" Deep Pad Footing	EA			
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
11 #7 Reinf. Bars Each Way, Top & Bott.	LBS	3.62	\$	\$ 3.62
F140T: 14'-0"X14'-0"X2'-0" Deep Pad Footing	EA			
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
14 #7 Reinf. Bars Each Way, Top & Bott.	LBS	3.62	\$	\$ 3.62
WALLS				
16" Thick Concrete Stem Wall (3'-0" H) W/	LF			
4#12" Cont. Horiz. Bars Each Face, #5@16"				
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
4#12" Cont. Horiz. Bars Each Face (Lf=	LBS	3.62	\$	\$ 3.62
1114)				
5#16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	\$ 3.62
14" Thick Concrete Stem Wall (3'-0" H) W/	LF			
4#12" Cont. Horiz. Bars Each Face, #5@16"				
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
4#12" Cont. Horiz. Bars Each Face (Lf=	LBS	3.62	\$	\$ 3.62
1114)				
5#16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	\$ 3.62
16" Thick Concrete Stem Wall (5'-0" H) W/	LF			
4#12" Cont. Horiz. Bars Each Face, #5@16"				
Formwork	SF	8.18	\$	\$ 8.18
Concrete, 4,500 Psi	CY	584.24	\$	\$ 584.24
4#12" Cont. Horiz. Bars Each Face (Lf=	LBS	3.62	\$	\$ 3.62
1114)				
5#16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	\$ 3.62

Item	Unit	Quantity	Unit Price	Total Price
8" Thick Concrete Stem Wall (4'-4" H) W/ #4@12" Cont. Horiz. Bars, #5@16" Oc. Vert.	LF	8.18	\$	8.18
Formwork	SF	8.18	\$	8.18
Concrete, 4,500 Psi	CY	584.24	\$	584.24
#4@12" Cont. Horiz. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
#5@16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
8" Thick Concrete Stem Wall (2'-4" H) W/ #4@12" Cont. Horiz. Bars, #4@12" Oc. Vert.	LF	8.18	\$	8.18
Formwork	SF	8.18	\$	8.18
Concrete, 4,500 Psi	CY	584.24	\$	584.24
#4@12" Cont. Horiz. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
#5@16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
8" Thick Concrete Stem Wall (1'-0" H) W/ #4@12" Cont. Horiz. Bars, #5@16" Oc. Vert.	LF	8.18	\$	8.18
Formwork	SF	8.18	\$	8.18
Concrete, 4,500 Psi	CY	584.24	\$	584.24
#4@12" Cont. Horiz. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
#5@16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
12" Thick Concrete Stem Wall (0'-8" H) W/ #4@12" Cont. Horiz. Bars Each Face, #5@16" Oc. Vert. Bars Each Face	LF	8.18	\$	8.18
Formwork	SF	8.18	\$	8.18
Concrete, 4,500 Psi	CY	584.24	\$	584.24
#4@12" Cont. Horiz. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
#5@16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
10" Thick Concrete Stem Wall (3'-6" H) W/ #4@12" Cont. Horiz. Bars Each Face, #4@16" Oc. Vert. Bars Each Face	LF	8.18	\$	8.18
Formwork	SF	8.18	\$	8.18
Concrete, 4,500 Psi	CY	584.24	\$	584.24
#4@12" Cont. Horiz. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
#5@16" Oc. Vert. Bars Each Face (Lf= 1114)	LBS	3.62	\$	3.62
CONCRETE WALL	LF	8.18	\$	8.18
24" Thick Concrete Wall (14'-0" H) W/ #4@12" Cont. Horiz. Bars Each Face, #7@12" Oc. Vert. Bars Each Face, #8 Vert. Dowels@6" Oc., #8 Vert. Dowels@12" Oc. (6'-0" L)	LF	8.18	\$	8.18

Ref	Item Description	Par Qty?	Quantity	UoM	Rate	Sum
A1030	Slab on Grade				\$	2,044,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Piers					
	16" Thick Concrete Wall (8'-0" H) W/ #4@12" Cont. Horiz. Bars Each Face, #5@12" Oc. Vert. Bars Each Face, #5 Vert. Dowels@12" Oc. Each Face (6'-0" L)			LF		
	Formwork			SF	\$	8.18
	Concrete, 4,500 Psi			CY	\$	584.24
	#4@12" Cont. Horiz. Bars Each Face (Lf= 136)			LBS	\$	3.62
	#7@12" Oc. Vert. Bars Each Face (Lf= 136)			LBS	\$	3.62
	#8 Vert. Dowels @ 6" Oc. (Lf= 136)			LBS	\$	3.62
	#8 Vert. Dowels @ 12" Oc. (Lf= 136)			LBS	\$	3.62
	16" Thick Concrete Wall (8'-0" H) W/ #4@12" Cont. Horiz. Bars Each Face, #5@12" Oc. Vert. Bars Each Face, #5 Vert. Dowels@12" Oc. Each Face (6'-0" L)			LF		
	Formwork			SF	\$	8.18
	Concrete, 4,500 Psi			CY	\$	584.24
	#4@12" Cont. Horiz. Bars Each Face (Lf= 136)			LBS	\$	3.62
	#7@12" Oc. Vert. Bars Each Face (Lf= 136)			LBS	\$	3.62
	#8 Vert. Dowels @ 6" Oc. (Lf= 136)			LBS	\$	3.62
	#8 Vert. Dowels @ 12" Oc. (Lf= 136)			LBS	\$	3.62
	Excavation			3,035 CY	\$	54,630.00
	Compact Existing Subgrade			10,858 SF	\$	8,143.50
	Backfill with Imported Structural Fill			2,732 CY	\$	169,384.00
	Soil Disposal - Conversion Factor 1.7 to Tons					
	Load Excess			3,035 CY	\$	5,614.75
	Clean Non-Regulated			5,160 TN	\$	61,920.00
	Temporary Dewatering for Foundation Work			1 LS	\$	50,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
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	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
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072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
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072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
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	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
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072100	THERMAL INSULATION					
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	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
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031200	EARTHWORK					
072100	THERMAL INSULATION					
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072100	THERMAL INSULATION					
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031200	EARTHWORK					
072100	THERMAL INSULATION					
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072100	THERMAL INSULATION					
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031200	EARTHWORK					
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072100	THERMAL INSULATION					
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	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
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	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
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	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
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031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING, DAMPROOFING, AND CAULKING					
	Dampproofing at Foundation Walls			9,000 SF	\$	27,000.00
	Insulation at Foundation Walls			9,000 SF	\$	36,000.00
031200	EARTHWORK					
072100	THERMAL INSULATION					
070001	WATERPROOFING					

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Item	Unit	Quantity	Unit Price	Amount
Equipment Pads	LS	10,000.00	\$	-
Loading Dock	LS	20,000.00	\$	-
Thermal Insulation				
Underslab Insulation				
312000 EARTHWORK				
Excavation	CY	2666	\$	20.00
Over Excavation at Footings	CY	4700	\$	20.00
Imported Structural Fill	CY	22700	\$	62.00
Compact Existing Subgrade	SF	82598	\$	0.71
Soil Disposal - conversion factor 1.7 to tons				
Load Excess for Disposal	CY	7366	\$	1.85
Clean Non Regulated	TN	12522	\$	12.00
6" Gravel Base	CY	1530	\$	62.00
Excavation and Backfill for Underslab	LF	2230	\$	40.00
Plumbing				
Radon Mitigation Allowance	SF	82598	\$	1.00
				82,598.00

D3010 Energy Supply \$3,687,000

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	Geothermal Wells,Vault, Piping		135706	sf	\$ 22.75	\$3,087,312
	Glycol - ALLOWANCE		0	LS	\$100,000.00	\$0
	Add 100' per Well		1	LS	\$600,000.00	\$600,000
						\$0
						\$0

D3020 Heat Generating Systems \$0

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	HEAT PUMPS					
	Vhp-024 – Vertical Heat Pump Unit			EA	\$ 7,849.85	\$0
	Manufacturer: Daikin Model: Wsmv024					
	Vhp-036 – Vertical Heat Pump Unit			EA	\$ 9,219.04	\$0
	Manufacturer: Daikin Model: Wsmv036					
	Vhp-048 – Vertical Heat Pump Unit			EA	\$ 10,822.87	\$0
	Manufacturer: Daikin Model: Wsmv048					
	Vhp-060 – Vertical Heat Pump Unit			EA	\$ 12,560.37	\$0
	Manufacturer: Daikin Model: Wsmv060					
	Vhp-096 – Vertical Heat Pump Unit			EA	\$ 18,138.11	\$0
	Manufacturer: Daikin Model: Wsmv096					
	Vhp-300 – Vertical Heat Pump Unit			EA	\$ 34,203.08	\$0
	Manufacturer: Daikin Model: Wsmv300					
	Chp-007 – Wall Mounted Heat Pump			EA	\$ 4,642.17	\$0
	Manufacturer: Daikin Model: Wsrc1007					
	Chp-012 – Wall Mounted Heat Pump			EA	\$ 5,176.79	\$0
	Manufacturer: Daikin Model: Wsrc1012					
	Chp-018 – Wall Mounted Heat Pump			EA	\$ 5,978.70	\$0
	Manufacturer: Daikin Model: Wsrc1018					
	Hhp-007 – Horizontal Heat Pump			EA	\$ 4,775.83	\$0
	Manufacturer: Daikin Model: Wsmh007					
	Hhp-012 – Horizontal Heat Pump			EA	\$ 5,444.09	\$0
	Manufacturer: Daikin Model: Wsmh012					

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
D3030	Cooling Generating Systems					\$0
	Hhp-024 – Horizontal Heat Pump					
	Manufacturer: Daikin					
	Model: Wsmh024					
	Chp-015 – Wall Mounted Heat Pump					
	Manufacturer: Daikin					
	Model: Wsrc1015					
	Hhp-019 – Horizontal Heat Pump					
	Manufacturer: Daikin					
	Model: Wsmh019					
	Hhp-036 – Horizontal Heat Pump					
	Manufacturer: Daikin					
	Model: Wsmh036					
	Hhp-048 – Horizontal Heat Pump					
	Manufacturer: Daikin					
	Model: Wsmh048					
	VAV					
	Cav-4 – Single Inlet Cav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-04					
	Cav-6 – Single Inlet Cav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-06					
	Vav-6 – Single Inlet Vav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-06					
	Vav-4 – Single Inlet Vav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-04					
	Vav-8 – Single Inlet Vav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-08					
	Vav-10 – Single Inlet Vav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-10					
	Vav-12 – Single Inlet Vav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-12					
	Evav-08 – Single Inlet Vav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-08					
	Evav-06 – Single Inlet Vav W/ No Coil					
	Manufacturer: Titus					
	Model: Desv-06					

Cu-1 – Condensing Unit	EA	\$	6,920.00	\$0
Manufacturer: Tbd				
Model: Tbd				
Cu-2 – Condensing Unit	EA	\$	6,920.00	\$0
Manufacturer: Tbd				
Model: Tbd				

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
PUMPS						
	P-1A – Geothermal System Pump			EA	\$	17,231.72
	Manufacturer: Bell & Gossett					
	Model: E-1530-4Gc					
	P-1B – Geothermal System Pump			EA	\$	17,231.72
	Manufacturer: Bell & Gossett					
	Model: E-1530-4Gc					
	P-2 – Telecom / Freezer Cooler Pump			EA	\$	2,060.38
	Manufacturer: Bell & Gossett					
	Model: PI-55					
	Er-3 Cfm: 350			EA	\$	1,151.47
	Er-3 Cfm: 325			EA	\$	1,124.74
	Er-3 Cfm: 820			EA	\$	1,847.13
DIFFUSERS AND GRILLS						
	Er-1 – Exhaust Return Ceiling Grille (Lay-In)			EA	\$	309.76
	Manufacturer: Titus					
	Model: Pxp-Aa					
	Cfm: 50					
	Er-1 – Exhaust Return Ceiling Grille (Lay-In)			EA	\$	335.58
	Manufacturer: Titus					
	Model: Pxp-Aa					
	Cfm: 75					
	Er-1 – Exhaust Return Ceiling Grille (Lay-In)			EA	\$	361.39
	Manufacturer: Titus					
	Model: Pxp-Aa					
	Cfm: 100					
	Er-2 – Exhaust Return Ceiling Grille (Lay-In)			EA	\$	374.30
	Manufacturer: Titus					
	Model: Pxp-Aa					
	Cfm: 105					
	Er-2 – Exhaust Return Ceiling Grille (Lay-In)			EA	\$	400.11
	Manufacturer: Titus					
	Model: Pxp-Aa					
	Cfm: 125					
	Er-2 – Exhaust Return Ceiling Grille (Lay-In)			EA	\$	425.93
	Manufacturer: Titus					
	Model: Pxp-Aa					
	Cfm: 150					

Er-2 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	451.74	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 165				
Er-2 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	477.55	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 185				
Er-3 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	516.27	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 210				
Er-3 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	671.16	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 350				
Er-3 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	645.34	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 325				
Er-3 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	1,548.82	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 820				
Er-4 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	696.97	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 365				
Er-4 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	722.78	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 385				
Er-4 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	748.60	\$0
Manufacturer: Titus				
Model: Pxp-Aa				
Cfm: 400				
Er-8 – Exhaust Return Ceiling Grille (Lay-In)	EA	\$	1,032.55	\$0
Manufacturer: Titus				
Model: —				
Sd-1 – Supply Ceiling Diffuser (Lay-In)	EA	\$	283.95	\$0
Manufacturer: Titus				
Model: Omni-Aa				
Cfm: 15				
Sd-1 – Supply Ceiling Diffuser (Lay-In)	EA	\$	296.86	\$0
Manufacturer: Titus				
Model: Omni-Aa				
Cfm: 20				
Sd-1 – Supply Ceiling Diffuser (Lay-In)	EA	\$	309.76	\$0
Manufacturer: Titus				
Model: Omni-Aa				
Cfm: 35				

\$0	EA	\$	322.67	Sd-1 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-Aa Cfm: 40
\$0	EA	\$	335.58	Sd-1 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-Aa
\$0	EA	\$	413.02	Sd-2 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-A Cfm: 50
\$0	EA	\$	438.83	Sd-2 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-A Cfm: 100
\$0	EA	\$	464.65	Sd-2 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-A Cfm: 120
\$0	EA	\$	826.04	Sd-4 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-Aa Cfm: 360
\$0	EA	\$	877.67	Sd-4 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-Aa Cfm: 390
\$0	EA	\$	1,161.62	Sd-5 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-Aa Cfm: 535
\$0	EA	\$	774.41	Sd-6 – Kitchen Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Pmc-Aa Cfm: 215
\$0	EA	\$	722.78	Ld-1 – Supply Linear Diffuser (Lay-In) Manufacturer: Titus Model: FI-15-Ht Cfm: 150
\$0	EA	\$	1,549.83	Eg-7 – Exhaust Grille, Sidewall Manufacturer: Titus Model: 350RI Cfm: 2610
\$0	EA	\$	826.04	Eg-4 – Exhaust Grille, Sidewall Manufacturer: Titus Model: 350RI Cfm: 780
\$0	EA	\$	2,221.76	Eg-8 – Exhaust Grille, Sidewall Manufacturer: Titus Model: 350RI Cfm: 4240

\$0	EA	\$	387.21	Sa-1 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-Aa
\$0	EA	\$	387.21	Sa-2 – Supply Ceiling Diffuser (Lay-In) Manufacturer: Titus Model: Omni-Aa
\$0	EA	\$	722.78	Rr-5 – Return Air Ceiling Grille (Lay-In) Manufacturer: Titus Model: Pxp-Aa
\$0	EA	\$	826.04	Rr-6 – Return Air Ceiling Grille (Lay-In) Manufacturer: Titus Cfm: 600
\$0	EA	\$	387.21	Rg-1 – Return Air Sidewall Grille Manufacturer: Titus Model: Pxp-Aacfm: 800
\$0	EA	\$	1,780.30	Rg-5 – Return Air Sidewall Grille Manufacturer: Titus Model: 350Rl Cfm: 120
\$0	EA	\$	1,161.62	Rg-6 – Return Air Sidewall Grille Manufacturer: Titus Model: 350Rl Cfm: 3200
\$0	EA	\$	4,241.21	Rg-8 – Return Air Sidewall Grille Manufacturer: Titus Model: 350Rl Cfm: 1600
\$0	EA	\$	3,572.95	Rg-8 – Return Air Sidewall Grille Manufacturer: Titus Model: 350Rl Cfm: 10000
\$0	EA	\$	464.65	Sg-2 – Supply Sidewall Grille Manufacturer: Titus Model: 300Rs Cfm: 8000
\$0	EA	\$	387.21	Sg-5 – Supply Sidewall Grille Manufacturer: Titus Model: 300Rs Cfm: 310
\$0	EA	\$	400.11	Sg-5 – Supply Sidewall Grille Manufacturer: Titus Model: 300Rs Cfm: 200
\$0	EA	\$	722.78	Sg-5 – Supply Sidewall Grille Manufacturer: Titus Model: 300Rs Cfm: 220
\$0	EA	\$	774.41	Sg-7 – Supply Sidewall Grille Manufacturer: Titus Model: Ul-Sd-Sv Cfm: 625

Sg-7 - Supply Sidelwall Grille

Manufacturer: Titus

Model: UI-Sd-Sv

Cfm: 1060

DUCTWORK

6X6 Rectangular Supply Air Duct
6X8 Rectangular Supply Air Duct
8X8 Rectangular Supply Air Duct
8X10 Rectangular Supply Air Duct
10X10 Rectangular Supply Air Duct
12X10 Rectangular Supply Air Duct
14X10 Rectangular Supply Air Duct
14X12 Rectangular Supply Air Duct
16X12 Rectangular Supply Air Duct
16X14 Rectangular Supply Air Duct
16X16 Rectangular Supply Air Duct
18X14 Rectangular Supply Air Duct
18X16 Rectangular Supply Air Duct
20X18 Rectangular Supply Air Duct
24X20 Rectangular Supply Air Duct
40X28 Rectangular Supply Air Duct
44X36 Rectangular Supply Air Duct
30" Dia Circular Supply Air Duct
26" Dia Circular Supply Air Duct
24" Dia Circular Supply Air Duct
22" Dia Circular Supply Air Duct
20" Dia Circular Supply Air Duct
18" Dia Circular Supply Air Duct
16" Dia Circular Supply Air Duct
14" Dia Circular Supply Air Duct
12" Dia Circular Supply Air Duct
8X6 Rectangular Return Air Duct
10X8 Rectangular Return Air Duct
12X8 Rectangular Return Air Duct
14X10 Rectangular Return Air Duct
14X12 Rectangular Return Air Duct
16X14 Rectangular Return Air Duct
18X14 Rectangular Return Air Duct
18X16 Rectangular Return Air Duct
24X24 Rectangular Return Air Duct
26X14 Rectangular Return Air Duct
44X24 Rectangular Return Air Duct
8X8 Rectangular Outside Air Duct
8X10 Rectangular Outside Air Duct
10X8 Rectangular Outside Air Duct
10X10 Rectangular Outside Air Duct
12X8 Rectangular Outside Air Duct
12X10 Rectangular Outside Air Duct
14X10 Rectangular Outside Air Duct
14X12 Rectangular Outside Air Duct
14X14 Rectangular Outside Air Duct
16X10 Rectangular Outside Air Duct
16X12 Rectangular Outside Air Duct

EA \$

980.92

\$0

LF	\$	58.24
LF	\$	65.65
LF	\$	72.60
LF	\$	79.96
LF	\$	87.57
LF	\$	94.51
LF	\$	101.72
LF	\$	109.05
LF	\$	117.13
LF	\$	123.60
LF	\$	131.90
LF	\$	131.22
LF	\$	141.87
LF	\$	155.54
LF	\$	177.33
LF	\$	301.57
LF	\$	441.70
LF	\$	233.16
LF	\$	204.28
LF	\$	191.19
LF	\$	174.35
LF	\$	162.33
LF	\$	147.56
LF	\$	131.25
LF	\$	110.19
LF	\$	102.56
LF	\$	66.26
LF	\$	80.16
LF	\$	88.63
LF	\$	102.33
LF	\$	109.06
LF	\$	123.62
LF	\$	132.36
LF	\$	141.87
LF	\$	192.94
LF	\$	161.22
LF	\$	396.52
LF	\$	72.76
LF	\$	79.97
LF	\$	79.96
LF	\$	87.15
LF	\$	87.33
LF	\$	94.53
LF	\$	101.71
LF	\$	109.32
LF	\$	117.57
LF	\$	109.06
LF	\$	116.44

D3060 Controls and Instrumentation \$0

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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	Controls		sf	\$	7.71	\$0
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D3070 Systems Testing & Balancing \$0

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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	Testing and Balancing		sf	\$	0.65	\$0
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D3090 Other HVAC Systems & Equipment \$0

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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	General Conditions		sf	\$	5.08	\$0
	Supervision		sf	\$	2.75	\$0
	Misc Equipment		sf	\$	0.85	\$0
	Seismic & VI		sf	\$	1.22	\$0
	Insulation		sf	\$	3.81	\$0
	Duct Cleaning		sf	\$	0.51	\$0
	Misc/Other		sf	\$	2.54	\$0

Ref Item Description Par. Qty? UoM Rate Sum

GENERAL CONDITIONS

\$0	Site Construction Fencing	If		\$	25.00
\$0	Fence at Geothermal	If		\$	25.00
\$30,000	Tracking Pads	4 ea		\$	7,500.00
\$75,000	Mobilizations	1 ls		\$	75,000.00
\$176,000	Construct Temp Laydown/Construction	88000 sf		\$	2.00
	Parking				

\$100,000	Survey/Layout	1 ls		\$	100,000.00
\$75,600	Temp Paving	1800 sy		\$	42.00
\$18,000	Demo Temp Paving	1800 sy		\$	10.00
\$110,000	Restore Laydown Areas	88000 sf		\$	1.25

\$45,000	Street Sweeping	1 ls		\$	45,000.00
\$30,000	Dust Control	1 ls		\$	30,000.00
\$40,000	Temp Teacher Parking	1 ls		\$	40,000.00
\$60,000	Police Protection	1 ls		\$	60,000.00
\$70,000	Snow Removal	1 ls		\$	70,000.00
\$40,000	Temporary Security Lighting	1 ls		\$	40,000.00
\$175,000	Temp Heat	1 LS		\$	175,000.00
\$80,000	Temporary Window/Door Infill	1 LS		\$	80,000.00
\$65,000	Temporary Stair Towers	1 LS		\$	65,000.00
\$40,000	Water Utility Usage	1 LS		\$	40,000.00

\$52,200	Clearing and Grubbing	5.8 ac		\$	9,000.00
\$20,000	Stumping	1 ls		\$	20,000.00
\$28,000	Sediment and Erosion Control Fence	3500 lf		\$	8.00
\$14,400	Staked Haybales	1200 lf		\$	12.00

\$30,000	Inlet Protection	1 ls		\$	30,000.00
\$25,000	Temporary Sediment basins	1 ea		\$	25,000.00
\$32,000	Anti-Tracking Pads	4 ea		\$	8,000.00
\$12,000	Stockpile Protection	1 ls		\$	12,000.00
\$25,000	Temporary Seeding	1 ls		\$	25,000.00
\$50,000	Maintain Erosion Control Measures	1 ls		\$	50,000.00
\$54,000	Strip Topsoil/Dispose	4500 cy		\$	12.00
\$2,160	Temporary Sanitary Facilities	4 mth		\$	540.00
\$500	PPE	1 ls		\$	500.00
\$500	First Aid Supplies	1 ls		\$	500.00
\$7,360	Daily Housekeeping	80 hrs		\$	92.00
\$3,200	Dumpsters	4 ea		\$	800.00
\$1,000	Safety & Wayfinding Signage	1 ls		\$	1,000.00

Ref

Item Description

Par. Qty?

UoM

Rate

Sum

SITE DEMOLITION

Demolish Asphalt Paving/Curbs

147650 sf \$ 1.65 \$243,623

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
HAZARDOUS MATERIALS						
	UST Removal		LS		\$ 50,000.00	\$0
						\$0

G1040	Hazardous Waste Remediation	\$0
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Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	EARTHWORK					
	Site Excavation		22000	CY	\$	\$264,000
	On Site Fill		8170	CY	\$	\$212,420
	Load Excess Soil for Disposal		13830	CY	\$	\$25,586
	Disposal of Clean Non Regulated		23511	TN	\$	\$282,132
	Fine Grade Site		780000	sf	\$	\$195,000
	GEOTHERMAL					
	Groundwater Management		1	LS	\$	\$50,000.00
	Earthwork to Support Geothermal		120000	sf	\$	\$180,000
	Excavation and Backfill Pipe Trenches		3200	CY	\$	\$208,000
	Sand Bedding		800	CY	\$	\$34,400
	Loading and Disposal of Well Spoils		500	CY	\$	\$1,050
	Disposal of Spoils		850	TN	\$	\$10,200

G1030	Site Earthwork	\$1,463,000
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Demolish Concrete Paving/Curbs	22275 sf	\$	3.45	\$76,849
Demolish Site Signs	28 ea	\$	125.00	\$3,500
Demolish Existing Fencing	1195 lf	\$	8.00	\$9,560
UTILITY DEMOLITION				
Demolish & Remove Existing Piping	2900 lf	\$	22.00	\$63,800
Demolish and Remove Existing Catch Basins	30 ea	\$	1,000.00	\$30,000
Demolish Existing Site Lighting and Manholes	30 ea	\$	800.00	\$24,000

G2010 Roadways \$ 620,000.00

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	Fine Grade HD Areas		97097 sf		\$ 0.16	\$ 15,535.52
	Asphalt Pavement HD 2.5" Binder		1550 tn		\$ 165.00	\$ 255,750.00
	Asphalt Pavement HD 1.5" Wearing		931 tn		\$ 165.00	\$ 153,615.00
	Pavement Markings, Arrows, Legend -		1 ls		\$ 5,000.00	\$ 5,000.00
	Waterborne					
	Concrete Curbs		If		\$ 41.16	\$ -
	Site Signs		20 EA		\$ 800.00	\$ 16,000.00
	8" Processed Aggregate Base HD Pavement		4820 tn		\$ 34.00	\$ 163,880.00
	12" Processed Aggregate base - Stabilized		315 TN		\$ 34.00	\$ 10,710.00
	Turf					
	Grass Pavers and Soil Infill		0 SF		\$ 9.25	\$ -

G2020 Parking Lots \$ 217,000.00

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	Fine Grade SD Areas		41675 sf		\$ 0.16	\$ 6,668.00
	Asphalt Pavement SD 1.5" Binder		400 tn		\$ 165.00	\$ 66,000.00
	Asphalt Pavement SD 1.5" Wearing		400 tn		\$ 165.00	\$ 66,000.00
	Pavement Markings, Arrows, & Legends -		1 ls		\$ 7,500.00	\$ 7,500.00
	Waterborne					
	8" Process Aggregate Base SD Pavement		2070 tn		\$ 34.00	\$ 70,380.00

G2030 Pedestrian Paving \$ 64,000.00

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	5" Concrete Sidewalk					
	Concrete Pavers 4"x8" - BOD Unilock		sf		\$ 12.75	\$ -
	Site Concrete Stairs		rise		\$ 2,400.00	\$ -
	Amphitheater Stairs		rise		\$ 3,600.00	\$ -
	6" Process Aggregate Base Walks and Pavers		1683 tn		\$ 38.00	\$ 63,954.00
	Stonedust For Pavers		ton		\$ 40.00	\$ -
	6" Processed Aggregate Base at Amphitheater					

Ref Item Description Par. Qty? UoM Rate Sum

SITE FURNISHINGS

1 ea \$ 10,500.00 \$ 10,500.00 1 ea \$ 1,750.00 \$ 1,750.00 5 ea \$ 1,750.00 \$ 8,750.00

10 ea \$ 2,200.00 \$ 22,000.00 2 ea \$ 5,500.00 \$ 11,000.00 2 ea \$ 3,750.00 \$ 7,500.00

3 ea \$ 4,000.00 \$ 12,000.00 1 LS \$ 12,000.00 \$ 12,000.00 2 ea \$ 3,200.00 \$ 6,400.00

1 LS \$ 30,000.00 \$ 30,000.00

Moveable Tables w/4 Chairs per Table - BOD

Moveable Seating at Paver Area

Trash and Recycling Receptacles - BOD

Acceptor 160 by Vestre

Site School ID Sign Allowance

1PE Wood Top 6' Wide Between Seat Walls

Concrete Slab

12" Processed Aggregate Base

Drains

3' High Black PVC Coated Chain Link Fence

4' High Ornamental Fence

Ornamental Gate

Dumpster Enclosure

Vehicular Gate

Fencing at New Athletic Field

Backstop at Reconstructed Field

FENCING

150 LF \$ 62.00 \$ 9,300.00

150 LF \$ 175.00 \$ 26,250.00

EA \$ 1,500.00 \$ 7,500.00

EA \$ 35,000.00 \$ 35,000.00

EA \$ 25,000.00 \$ 25,000.00

IF \$ 55.00 \$ 55.00

EA \$ 45,000.00 \$ 45,000.00

SITE WALLS

Amphitheater Seating

Precast Concrete

Concrete Foundations

Excavation and Backfill

Drains

Planter Wall

Precast Concrete

Concrete Foundations

Excavation and Backfill

Drains

Cheek Walls

Concrete

Excavation and Backfill

Drains

Seat Walls

Concrete

15 CY \$ 40.00 \$ 600.00

120 LF \$ 18.00 \$ 2,160.00

CY \$ 950.00 \$ 950.00

37,400.00

G2050	Landscaping	\$	125,000.00
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Excavation and Backfill	25 CY	\$	40.00	\$	600.00
Drains	120 LF	\$	18.00	\$	2,160.00
Site Retaining Wall Large Modular Block	300 SF	\$	80.00	\$	24,000.00
Player Benches at Athletic Field	2 EA	\$	1,200.00	\$	2,400.00
Precast Concrete Amphitheater Seating	0 lf	\$	1,000.00	\$	-
2'x4" Joist System	150 lf	\$	20.00	\$	3,000.00
Concrete Footing	lf	\$	200.00	\$	-
Versa Lok Retaining Wall	2400 sf	\$	80.00	\$	192,000.00
Restoration of Field at Geothermal	1 ls	\$	-	\$	-
Restoration of Construction/Trailer Areas	88000 sf	\$	1.25	\$	110,000.00
				\$	-

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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Shade Trees 2.5-3" Caliper	ea	\$	1,500.00	\$	-
Evergreen Trees 6'-8' ht	ea	\$	900.00	\$	-
Ornamental Trees 8'-10' ht	ea	\$	2,000.00	\$	-
Shrubs and Ground Plantings 2 gallon Spaced at 24"oc	ea	\$	26.00	\$	-
Mulching	cy	\$	60.00	\$	-
Meadow Seed Mix	sf	\$	0.45	\$	-
Lawn Seed Mix	sf	\$	0.35	\$	-
Temporary Irrigation Plantings and Meadow Seed	sf	\$	0.75	\$	-
Mix					
Permanent Field Irrigation	sf	\$	2.10	\$	-
Maintenance of Lawns and Plantings	ls	\$	50,000.00	\$	-
Import Topsoil	cy	\$	68.00	\$	-
Sod at Athletic Fields	sf	\$	1.75	\$	-
Restoration of Field at Geothermal	1 ls	\$	125,000.00	\$	125,000.00

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
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SITE FURNISHINGS

1 ea	\$ 10,500.00	\$	1 ea	Flagpole - 25' Exposed Height Aluminum		10,500.00
5 ea	\$ 1,750.00	\$	5 ea	Bollards - 5" Diameter - BOD URBAN by Vestre		8,750.00
10 ea	\$ 2,200.00	\$	10 ea	Bikeracks - BOD FORUM by Vestre		22,000.00
2 ea	\$ 5,500.00	\$	2 ea	Benches - BOD BLOC by Vestre		11,000.00
2 ea	\$ 3,750.00	\$	2 ea	Picnic Table w/2 Benches - BOD BLOC by Vestre		7,500.00
3 ea	\$ 4,000.00	\$	3 ea	Moveable Tables w/4 Chairs per Table - BOD		12,000.00
1 LS	\$ 12,000.00	\$	1 LS	Moveable Seating at Paver Area		12,000.00
2 ea	\$ 3,200.00	\$	2 ea	Trash and Recycling Receptacles - BOD		6,400.00
1 LS	\$ 30,000.00	\$	1 LS	Site School ID Sign Allowance		30,000.00

WOODEN PLATFORM AT AMPITHEATER

150 LF	\$ 300.00	\$	150 LF	IPe Wood Top 6' Wide Between Seat Walls		\$45,000.00
550 SF	\$ 14.00	\$	550 SF	Concrete Slab		\$ 7,700.00
41 TN	\$ 60.00	\$	41 TN	12" Processed Aggregate Base		\$ 2,460.00
150 LF	\$ 30.00	\$	150 LF	Drains		\$ 4,500.00

FENCING

If	\$ 62.00	\$	If	3' High Black PVC Coated Chain Link Fence		-
LF	\$ 175.00	\$	LF	4' High Ornamental Fence		-
EA	\$ 1,500.00	\$	EA	Ornamental Gate		-
Is	\$ 35,000.00	\$	Is	Dumpster Enclosure		-
EA	\$ 25,000.00	\$	EA	Vehicular Gate		-
If	\$ 55.00	\$	If	Fencing at New Athletic Field		-
EA	\$ 45,000.00	\$	EA	Backstop at Reconstructed Field		-

SITE WALLS

LF	\$ 1,200.00	\$	LF	Precast Concrete		-
CY	\$ 950.00	\$	CY	Concrete Foundations		-
10 CY	\$ 40.00	\$	10 CY	Excavation and Backfill		400.00
150 LF	\$ 18.00	\$	150 LF	Drains		2,700.00

Planter Wall

LF	\$ 1,200.00	\$	LF	Precast Concrete		180,000.00
CY	\$ 950.00	\$	CY	Concrete Foundations		13,300.00
14 CY	\$ 40.00	\$	14 CY	Excavation and Backfill		400.00
380 LF	\$ 18.00	\$	380 LF	Drains		2,700.00

Cheek Walls

CY	\$ 950.00	\$	CY	Concrete		-
15 CY	\$ 40.00	\$	15 CY	Excavation and Backfill		600.00
120 LF	\$ 18.00	\$	120 LF	Drains		2,160.00

Seat Walls

CY	\$ 950.00	\$	CY	Concrete		37,400.00
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G2050	Landscaping	\$	125,000.00
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Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	Excavation and Backfill		25 CY		\$ 40.00	\$ 600.00
	Drains		120 LF		\$ 18.00	\$ 2,160.00
	Site Retaining Wall Large Modular Block		300 SF		\$ 80.00	\$ 24,000.00
	Player Benches at Athletic Field		2 EA		\$ 1,200.00	\$ 2,400.00
	Precast Concrete Amphitheater Seating		0 lf		\$ 1,000.00	\$ -
	2'x4" Joist System		150 lf		\$ 20.00	\$ 3,000.00
	Concrete Footing		lf		\$ 200.00	\$ -
	Versa Lok Retaining Wall		2400 sf		\$ 80.00	\$ 192,000.00
	Restoration of Field at Geothermal		1 ls		\$ -	\$ -
	Restoration of Construction/Trailer Areas		88000 sf		\$ 1.25	\$ 110,000.00
					\$	\$ -

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
	Shade Trees 2.5-3" Caliper		ea		\$ 1,500.00	\$ -
	Evergreen Trees 6'-8' ht		ea		\$ 900.00	\$ -
	Ornamental Trees 8'-10' ht		ea		\$ 2,000.00	\$ -
	Shrubs and Ground Plantings 2 gallon Spaced at		ea		\$ 26.00	\$ -
	24"oc					
	Mulching					
	Meadow Seed Mix		cy		\$ 60.00	\$ -
	Lawn Seed Mix		sf		\$ 0.45	\$ -
	Temporary Irrigation Plantings and Meadow Seed		sf		\$ 0.35	\$ -
	Mix		sf		\$ 0.75	\$ -
	Permanent Field Irrigation		sf		\$ 2.10	\$ -
	Maintenance of Lawns and Plantings		ls		\$ 50,000.00	\$ -
	Import Topsoil		cy		\$ 68.00	\$ -
	Sod at Athletic Fields		sf		\$ 1.75	\$ -
	Restoration of Field at Geothermal		1 ls		\$ 125,000.00	\$ 125,000.00

G3010 Water Supply \$ 472,000.00

Ref	Item Description	Par.	Qty?	Quantity	UoM	Rate	Sum
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	Tap Fee	1	EA			\$ 8,500.00	\$ 8,500.00
	6" Tapping Sleeve & Valve	1	EA			\$ 8,500.00	\$ 8,500.00
	6" DIP			2035	LF	\$ 170.00	\$ 345,950.00
	4" DIP			180	LF	\$ 135.00	\$ 24,300.00
	6" GV&B Fire Hydrant	3	EA			\$ 1,600.00	\$ 4,800.00
	6" GV&B	1	EA			\$ 1,350.00	\$ 1,350.00
	4" GV&B	1	EA			\$ 1,100.00	\$ 1,100.00
	6" Bends	9	EA			\$ 500.00	\$ 4,500.00
	4" Bends	1	EA			\$ 500.00	\$ 500.00
	6"x6" Tee	2	EA			\$ 800.00	\$ 1,600.00
	6"x4" Tee	1	EA			\$ 700.00	\$ 700.00
	6"x6" Hydrant Tee	1	EA			\$ 1,000.00	\$ 1,000.00
	Fire Hydrant	3	EA			\$ 4,200.00	\$ 12,600.00
	Water Meter Vault	1	EA			\$ 40,000.00	\$ 40,000.00
	Flange Connection Inside Foundation for Fire	1	EA			\$ 3,250.00	\$ 3,250.00
	Service						
	Testing & Disinfection	1	LS			\$ 4,000.00	\$ 4,000.00
	Thrust Blocks	19	EA			\$ 500.00	\$ 9,500.00

G3020 Sanitary Sewer \$ 155,000.00

Ref	Item Description	Par.	Qty?	Quantity	UoM	Rate	Sum
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	Sanitary Connection to Existing MH	1	EA			\$ 5,000.00	\$ 5,000.00
	8" PVC Sanitary	542	LF			\$ 82.00	\$ 44,444.00
	6" PVC Sanitary	542	LF			\$ 72.00	\$ 39,024.00
	4' Diameter Sanitary Manhole	7	EA			\$ 6,500.00	\$ 45,500.00
	Clean Out Assembly	3	EA			\$ 1,200.00	\$ 3,600.00
	Grease Trap	1	EA			\$ 14,000.00	\$ 14,000.00
	Testing	1	LS			\$ 3,200.00	\$ 3,200.00

G3030 Storm Sewer \$ 1,178,000.00

Ref	Item Description	Par.	Qty?	Quantity	UoM	Rate	Sum
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	12" RCP Storm Pipe	645	LF			\$ 132.50	\$ 85,462.50
	12" HDPE Storm Pipe	1,949	LF			\$ 99.37	\$ 193,672.13
	15" HDPE Storm Pipe	591	LF			\$ 121.38	\$ 71,735.58
	18" HDPE Storm Pipe	462	LF			\$ 149.81	\$ 69,212.22
	24" RCP Storm Pipe	1,277	LF			\$ 242.58	\$ 309,774.66

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
G3040	Heating Distribution				\$	-
	24" HDPE Storm Pipe		141 LF		\$ 195.23	\$ 27,527.43
	1 -1/2" X 6" Perforated Underdrainage Pipe		3,847 LF		\$ 46.15	\$ 177,539.05
	6" Perforated Underdrainage Pipe HDPE		128 LF		\$ 64.96	\$ 8,314.88
	Catch Basin		27 EA		\$ 6,218.56	\$ 167,901.12
	Yard Drain		21 EA		\$ 1,538.24	\$ 32,303.04
	Clean Out		2 EA		\$ 918.57	\$ 1,837.14
	Storm Manhole		3 EA		\$ 10,920.74	\$ 32,762.22

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
G3050	Cooling Distribution				\$	-
	100				\$	-
	105				\$	-
	110				\$	-
	115				\$	-
	120				\$	-

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
G3060	Fuel Distribution				\$	-
	100				\$	-
	105				\$	-
	110				\$	-
	115				\$	-
	120				\$	-

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
G3090	Other Site Mechanical Utilities				\$	-
	100				\$	-
	105				\$	-
	110				\$	-
	115				\$	-
	120				\$	-

100
105
110
115
120

\$
\$
\$
\$
\$
\$

-
-
-
-
-

Ref	Item Description	Par. Qty?	Quantity	UoM	Rate	Sum
G4010	Electrical Distribution					\$ 122,000.00
	Excavation and Backfill Primary Ductbank		360 LF		\$ 56.00	\$ 20,160.00
	Excavation and Backfill Secondary Ductbank		420 LF		\$ 56.00	\$ 23,520.00
	Excavation and Backfill Site Lighting/EV		4000 LF		\$ 16.00	\$ 64,000.00
	Charging					
	Electric Manhole		1 EA		\$ 6,500.00	\$ 6,500.00
	Transformer Pad		1 EA		\$ 7,500.00	\$ 7,500.00
	Primary Ductbank Conduit		LF		\$ 46.00	\$ -
	Secondary Ductbank/Cable		LF		\$ 965.00	\$ -
	Generator Ductbank/Cable		LF		\$ 525.00	\$ -
G4020	Site Lighting					\$ 55,000.00
	Light Pole Bases		44 EA		\$ 1,250.00	\$ 55,000.00
	Bollard Base		12 EA		\$ 875.00	\$ -
	Site Lighting Cabling		LF		\$ 20.00	\$ -
G4030	Site Communications & Security					\$ 103,000.00
	Excavation and Backfill for Comm & Security		360 LF		\$ 56.00	\$ 20,160.00
	Telecom Ductbank		360 LF		\$ 92.00	\$ 33,120.00
	Site Security Allowance		1 LS		\$ 50,000.00	\$ 50,000.00
G4090	Other Site Electrical Utilities					\$ -
	EV Stations	EA			\$ 22,000.00	\$ -
	EV Rough In for 30 Stations	EA			\$ 3,000.00	\$ -
						\$ -
	Sum					



TOWN OF TRUMBULL
HILLCREST MIDDLE SCHOOL
STATE PROJECT #144-0108N



HILLCREST MIDDLE SCHOOL BUILDING COMMITTEE MEETING
3/31/2026

INVOICE SUMMARY - FOR REVIEW & APPROVAL

Invoice Date	Invoice #	Period Ending	Description of Service	Vendor	Amount
3/10/2026	36111731	2/28/2026	Owner Representative Services	Arcadis	\$ 15,400.00
3/25/2026	5818	3/31/2026	Commissioning Services	Sustainable Engineering Solutions	\$ 6,125.00
					\$ 21,525.00



INVOICE

Town of Trumbull, CT
Attn. : Kevin Dion
Trumbull Public Schools, 6254 Main Street
Trumbull, CT 06611
United States

Arcadis U.S., Inc.
Bank of America
Acct: 8188093937
ACH: 071 000 039 Wire: 026009
593
SWIFT: BOFAUS3N
Remit-mailbox@arcadis-us.com
62638 Collections Center Drive
Chicago, IL 60693-0626

Invoice Date	10-Mar-2026	Invoice Number	36111731
Due Date	09-Apr-2026	Payment Term	30 days
20260483			
Arcadis Reference Number	30282292	Project Number	30282292
Arcadis Reference Name	New Hillcrest Middle School	Project Name	New Hillcrest Middle School
Services Through	22-Feb-2026	Project Manager	John Butkus
		Client Contact	Kevin Dion

Professional Services to 22-Feb-2026

Project - Task	Phase	Total Contract Value	Total Billed	Previously Billed	% Billed	This Invoice
30282292 - 01	1-Labor Task	1,260,763.00	127,100.00	111,700.00	10.08	15,400.00
		1,260,763.00	127,100.00	111,700.00	10.08	15,400.00 USD
Total This Invoice						15,400.00 USD

Signed by:

Kevin Dion

3/12/2026

D16E201887334E7...

Approved for payment
Kevin Dion, Director of Operations
Trumbull Public Schools

Bank Name	BANK OF AMERICA N.A.	Bank/Branch Code	BOFA-071923284
Account No.	8188093937	SWIFT	BOFAUS3N
Remittance Address: Remit-Mailbox@arcadis-us.com			
Please include the invoice number on all payments and include remittance copy with all postal payments. Late payments will be assessed according to contract terms.			



Recommended for Approval
Rob Tencza - Arcadis

Robert Tencza

INVOICE No. 5818

Hillcrest Middle School

TO:

Town of Trumbull

Issue Date 03-25-2026

Service Period Ending 03-31-2026

Due Date 04-24-2026

ATTENTION:

Kevin Bova

SES Project No. 25-651

Client Project No.

Client PO No.

SERVICES	Contract Amount	% Billed To Date	Earned	Previously Billed	Current Billing	Remaining
Design Phase	\$24,500.00	75.00%	\$18,375.00	\$12,250.00	\$6,125.00	\$6,125.00
Post Occupancy Phase	\$9,500.00	0.00%	-	-	-	\$9,500.00
Construction Phase	\$89,000.00	0.00%	-	-	-	\$89,000.00
Air and Water Infiltration Testing	\$6,050.00	0.00%	-	-	-	\$6,050.00
Witnessing Air and Water Infiltration Testing	\$1,150.00	0.00%	-	-	-	\$1,150.00
Blower Door Testing	\$41,800.00	0.00%	-	-	-	\$41,800.00
TOTAL CONTRACT AMOUNT	\$172,000.00		\$18,375.00	\$12,250.00	\$6,125.00	\$153,625.00

AMOUNT DUE THIS INVOICE: \$6,125.00

SUBMITTED BY: _____

Please remit payment to:
Sustainable Engineering Solutions, LLC
865 Brook Street
Rocky Hill, CT 06067
p: (860) 270-0413 f: (860) 270-0413