

# CHANGE ORDER



- |  |                                     |   |
|--|-------------------------------------|---|
| <input checked="" type="checkbox"/> Owner      | <input type="checkbox"/> Civil      | <input type="checkbox"/> FF&E           |
| <input checked="" type="checkbox"/> Architect  | <input type="checkbox"/> Landscape  | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech    | <input type="checkbox"/> Acoustics      |
| <input checked="" type="checkbox"/> O.P.M      | <input type="checkbox"/> Structural | <input type="checkbox"/> Other          |
| <input type="checkbox"/> CX Agent              | <input type="checkbox"/> MEP-FP     | <input type="checkbox"/> Other          |

Project Name: **Haverhill Consentino Middle School** CO No. **16**

Architect's Project No. **21-0818**

Owner: **City of Haverhill** Architect: **DORE + WHITTIER**  
**4 Summer Street** **260 Merrimac St, Bldg 7,**  
**Haverhill, MA 01830** **Newburyport, MA 01950**

To: **Brait Builders Corporation** Issue Date **10/20/2025**  
**57 Rockwood Road** Contract Date: **4/1/2024**  
**Marshfield, MA 02050**

Attention: **TJ Dahill**

See attached list of 5 item(s) for a total of ..... **\$43,036.66**

Not valid until signed by both the Owner and Architect.

Signature of the Contractor indicates his agreement herewith, including any adjustment in the Contract Sum or Contract Time.

The original Contract Sum was ..... **\$113,750,000.00**

Net change by previously authorized Change Orders ..... **\$1,245,218.81**

The Contract Sum prior to this Change Order was ..... **\$114,995,218.81**

The Contract Sum will be **INCREASED** by this Change Order ..... **\$ 43,036.66**

The new Contract Sum including this Change Order will be ..... **\$115,038,255.47**

The Contract Time will be changed by ..... **(0) days**

The Date of Substantial Completion as of the date of this Change Order therefore is ..... **Friday, April 30, 2027**

**AUTHORIZED:**

**ARCHITECT:**  
**DORE + WHITTIER**  
**260 Merrimac St, Bldg 7, Newburyport,**  
**MA 01950**

**OWNER:**  
**Mayor Melinda E Barrett**  
**4 Summer St Suite 100**  
**Haverhill, MA 01830**

**CONTRACTOR:**  
**Brait Builders Corporation**  
**57 Rockwood Road**  
**Marshfield, MA 02050**

BY: **Donald M. Walter**  
Digitally signed by Donald M. Walter  
 DN: C=US,  
 E=dw@dooreandwhittier.com,  
 O=Dore + Whittier, CN=Donald M. Walter  
 Date: 2025.10.22 10:15:50-04'00'

BY: \_\_\_\_\_  
 Date: \_\_\_\_\_

Name: TJ Dahill  
 Title: Project Manager  
 Date: \_\_\_\_\_

Certification of Appropriation under M.G.L. c44, s31C:  
 Adequate funding in an amount sufficient to cover the total cost of this  
 Change Order is available

<b>CCD / PR / PCO #</b>	<b>Description</b>	<b>Amount</b>
PCO 119	Tech Storage 2007 Soffit	\$ 1,297.84
PCO 120	OHD Power	\$ 1,657.10
PCO 123	GPH relocated 8" storm in gym	\$ 3,084.48
PCO 128A	Soils Under Asphalt	\$ 11,081.24
PCO 130R1	South Field Loam Shaping	\$ 25,916.00
<b>Total</b>		<b>\$ 43,036.66</b>

Copies of supporting documentation for each item listed above is attached following.

# PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School**

PCO No.



Architect's Project No. **21-0818**

Subject: **Tech Storage 2007 Soffit**

PCO Issue Date: **2025.10.08**

PCO Reviewed: **2025.10.08**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design		Other	X	GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	<b>D+W has reviewed the attached PCO and finds the fees to be fair and reasonable</b>
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers



X	Design Team Recommends Approval
	Design Team <b>Does Not</b> Recommend Approval

# Brait Builders Corp.

57 Rockwood Road  
Suite 3  
Marshfield, MA 02050

Phone: (781) 837-6400  
Fax: (781) 837-6153

# PROPOSED CHANGE ORDER

No. CMS-119

**TITLE:** PR-73 Tech Storage 2007 Soffit

**DATE:** 10/08/2025

**PROJECT:** Dr. Albert B. Consentino Middle School

**JOB:** CSM-2024

**TO:** City of Haverhill  
685 Washington Street  
Haverhill, MA

**CONTRACT NO:**

### DESCRIPTION OF CHANGE

Costs associated with the attached for PR-73 Tech Storage 2007 Soffit.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	CDI CR#37	1	LS	\$1,211.80		\$0.00	\$1,211.80
2	Brait - OH&P - 5%	0	%	\$1,211.80		\$0.00	\$60.59
3	Brait - Bond - 2%	0	%	\$1,272.39		\$0.00	\$25.45

**Lump Sum:** \$1,297.84

**Total:** \$1,297.84

CITY OF HAVERHILL

~~Dore & Whittier~~

**Brait Builders**

**By:** \_\_\_\_\_

**By:** T.J. Dahill

T.J. Dahill

**Date:** 10/30/25

**Date:** 10-8-25

City of Haverhill D&W

**Owners Project Manager**

**By:** \_\_\_\_\_

**By:** [Signature]

**Date:** \_\_\_\_\_

**Date:** 10/16/2025

Fair and reasonable

# CENTURY DRYWALL, INC.

1988 Louisquisset Pike  
Lincoln, RI 02865

Phone (401) 333-2140

Fax: (401) 334-2013

10/8/2025

## WORKSHEET

Constentino CR #37 PR #73 Soffit Storage

9/29/2025

### LABOR

TRADE	REG HRS	RATE	1.5X HRS	Rate	2X HRS	RATE	PREMIUM HRS	RATE	TOTALS
Carpenter - Foreman	0.0	\$ 110.04	0.0	\$144.58	0.0	\$ 179.12	0.0	\$34.54	\$ -
Carpenter	6.0	\$ 105.83	0.0	\$138.43	0.0	\$ 171.02	0.0	\$32.60	\$ 634.98
Taper	1.0	\$ 111.92	0.0	\$144.06	0.0	\$ 176.20	0.0	\$32.14	\$ 111.92
Laborer	2.0	\$ 90.00	0.0	\$115.92	0.0	\$ 163.82	0.0	\$25.92	\$ 180.00
<b>TOTAL LABOR</b>									<b>\$ 926.90</b>

### MATERIAL

ITEM	UNIT	QTY	PRICE	TOTAL	Item	UNIT	QTY	PRICE	TOTAL
18 Ga. 3-5/8" Track	LF		\$ 1.35	\$ -	1" XP Coreboard	SF		\$ 1.840	\$ -
18 Ga. 3-5/8" Stud	LF		\$ 1.42	\$ -	5/8" Paperless Board	SF		\$ 0.995	\$ -
12 Ga. 6" Track	LF		\$ 3.80	\$ -	5/8" Type X Board	SF		\$ 0.550	\$ -
14 Ga. 6" Track	LF		\$ 2.50	\$ -	5/8" Moisture & Mold Resistant Board	SF	64	\$ 0.710	\$ 45.44
14 Ga. 6" Stud	LF		\$ 2.61	\$ -	5/8" Tile Back Board	SF		\$ 1.060	\$ -
16 Ga. 6" Track	LF		\$ 1.91	\$ -	5/8" Cement Board	SF		\$ 1.370	\$ -
16 Ga. 4" Stud	LF		\$ 1.82	\$ -	5/8" Impact Board	SF		\$ 1.325	\$ -
16 Ga. 8" Track	LF		\$ 2.50	\$ -	5/8" Abuse Board	SF		\$ 1.100	\$ -
16 Ga. 8" Stud	LF		\$ 2.61	\$ -	5/8" Sheathing	SF		\$ 1.000	\$ -
16 Ga. 10" Track	LF		\$ 3.62	\$ -	2 x 4 PT Lumber	LF		\$ 2.300	\$ -
16 Ga. 10" Stud	LF		\$ 3.73	\$ -	2 x 4 FT Lumber	LF		\$ 2.450	\$ -
20 Ga. 1-5/8" Stud	LF		\$ 0.58	\$ -	2 x 6 FT Lumber	LF		\$ 2.810	\$ -
20 Ga. 1-5/8" Track	LF		\$ 0.50	\$ -	2 x 8 FT Lumber	LF		\$ 3.010	\$ -
20 Ga. 2-1/2" Stud	LF		\$ 0.69	\$ -	1/2" FT Plywood	SF		\$ 2.200	\$ -
20 Ga. 2-1/2" Track	LF		\$ 0.60	\$ -	5/8" FT Plywood	SF		\$ 2.800	\$ -
20 Ga. 2-1/2" Slotted Track	LF		\$ 1.02	\$ -	3/4" FT Plywood	SF		\$ 3.500	\$ -
20 Ga. 2-1/2" CH Stud	LF		\$ 1.28	\$ -	3" Mineral Wool Insulation	SF		\$ 0.870	\$ -
20 Ga. 2" J Track	LF		\$ 1.17	\$ -	6" Mineral Wool Insulation	SF		\$ 1.770	\$ -
20 Ga. 3-5/8" Stud	LF	80	\$ 0.78	\$ 62.40	6 Mil Poly	SF		\$ 0.150	\$ -
20 Ga. 3-5/8" Track	LF	40	\$ 0.70	\$ 28.00	3-1/2" Batt Insulation	SF		\$ 0.390	\$ -
20 Ga. 3-5/8" Slotted Track	LF		\$ 1.27	\$ -	6" Batt Insulation	SF		\$ 0.600	\$ -
20 Ga. 4" CH Stud	LF		\$ 1.45	\$ -	Drywall Suspension Ceiling Grid	LF		\$ 0.957	\$ -
20 Ga. 4" J Track	LF		\$ 1.34	\$ -	Fry Reglet Trim	LF		\$ 6.670	\$ -
20 Ga. 6" Stud	LF		\$ 1.09	\$ -	Joint Compound	EA	1	\$ 22.500	\$ 22.50
20 Ga. 6" Track	LF		\$ 0.98	\$ -	Durabond	EA		\$ 15.500	\$ -
20 Ga. 6" Slotted Track	LF		\$ 1.54	\$ -	Cornerbead/Trim	LF	20	\$ 0.270	\$ 5.40
20 Ga. 6" CH Stud	LF		\$ 1.62	\$ -	Peel Away Trim	EA		\$ 0.320	\$ -
20 Ga. 6" J Track	LF		\$ 1.50	\$ -	Firestop Caulk	EA		\$ 25.300	\$ -
20 Ga. 2 x 2 angle	LF	20	\$ 0.55	\$ 11.00	Paper Tape	LF		\$ 4.380	\$ -
20 Ga. 7/8" Hi-Hat	LF		\$ 0.55	\$ -					\$ -
<b>TOTAL MATERIAL</b>									<b>\$ 174.74</b>

### EQUIPMENT

ITEM	UNIT	QTY	RATE	TOTALS	ITEM	UNIT	QTY	RATE	TOTALS
19' Scissor Lift	day		\$ 38.00	\$ -	135' Boom Lift	DAY		\$ 555.00	\$ -
25' RT Exterior Lift	Day		\$ 58.00	\$ -	Forklift (6,000 Lbs)	Day		\$ 152.00	\$ -
35' RT Exterior Lift	Day		\$ 72.00	\$ -	Swing Staging Rental (Single & Triple)	Month		\$ 18,600.00	\$ -
50' RT Exterior Lift	Day		\$ 110.00	\$ -	Firestopping Spray Machine	Day		\$ 75.00	\$ -
40' Boom Lift	Day		\$ 112.00	\$ -	Engineering (Small Detail)	EA		\$ 1,100.00	\$ -
65' Boom Lift	Day		\$ 155.00	\$ -	Driver with Truck	TRIP		\$ 550.00	\$ -
<b>TOTAL EQUIPMENT</b>									<b>\$ -</b>

### RECAP

<b>LABOR</b>		\$	<b>926.90</b>
<b>MATERIALS</b>		\$	<b>174.74</b>
<b>EQUIPMENT</b>		\$	<b>-</b>
<b>SUBTOTAL OF COSTS</b>		\$	<b>1,101.64</b>
<b>OVERHEAD AND PROFIT</b>	<b>10%</b>	\$	<b>110.16</b>
<b>PROFIT</b>	<b>0%</b>	\$	<b>-</b>
<b>TOTAL OF ALL COSTS</b>		\$	<b>1,211.80</b>

# PROPOSAL REQUEST

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Owner      | <input type="checkbox"/> Civil             | <input type="checkbox"/> FF&E             |
| <input checked="" type="checkbox"/> Architect  | <input type="checkbox"/> Landscape         | <input type="checkbox"/> Sustainability   |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech           | <input type="checkbox"/> Acoustics        |
| <input checked="" type="checkbox"/> O.P.M      | <input type="checkbox"/> Structural        | <input checked="" type="checkbox"/> Other |
| <input type="checkbox"/> CX Agent              | <input checked="" type="checkbox"/> MEP-FP | <input type="checkbox"/> Other            |



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Project Name:	<b>Haverhill Consentino Middle School</b>	PR No.	<b>73</b>
Architect's Project No.	<b>21-0818</b>		
Owner:	<b>City of Haverhill 4 Summer Street Haverhill, MA 01830</b>	Architect:	<b>DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950</b>
To:	<b>Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050</b>	Contract Date	<b>4/1/2024</b>
		Issue Date:	<b>8/29/2025</b>
Attention:	<b>TJ Dahill</b>	Subject:	<b>Tech Storage 2007 Soffit</b>

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Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

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To coordinate with overflow rain leader coordination, make the following revisions:

Sheet A2.23, LEVEL 2 REFLECTED CEILING PLAN - AREA C AND D, add new gypsum soffit as shown on the attached sketch **JD-119**.

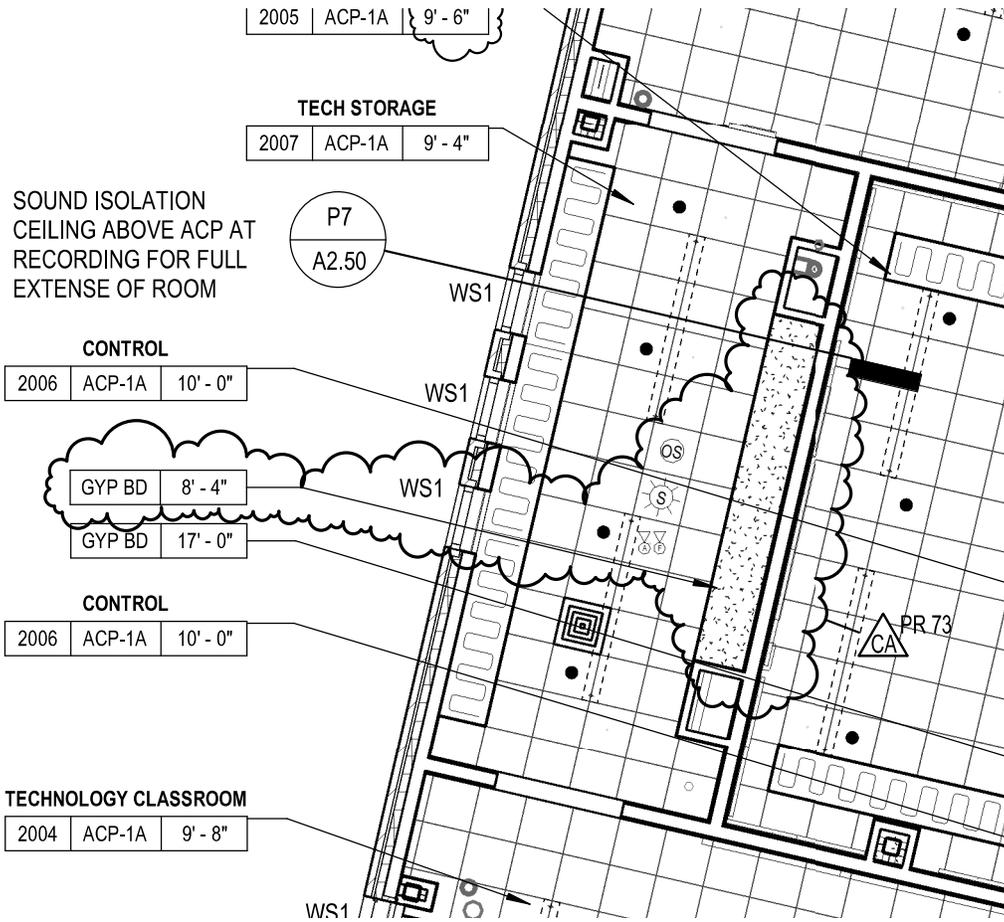
## JD-119

Issued by

---

**DORE + WHITTIER**  
Tara King

Copy: File



**A25** LEVEL 2 - RCP - AREA C (PARTIAL D)  
 1/8" = 1'-0"

REF: A25/A2.23

# PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.



Architect's Project No. **21-0818**

Subject: **OH Door Power** PCO Issue Date: **2025.09.17**  
 PCO Reviewed: **2025.10.01**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design	X	Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	<b>D+W has reviewed the attached PCO and finds the fees to be fair and reasonable</b>
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
X			Electrical:	GGD	See attached cover page
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers



X	Design Team Recommends Approval
	Design Team <b>Does Not</b> Recommend Approval

**GGD Consulting Engineers, Inc.**

M#95178  
J#894 117 00.00

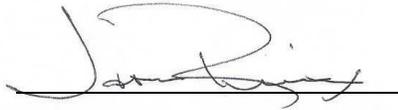
DATE: September 26, 2025

MEMO

TO: Michelle Barbaro-Rogers, AIA  
Dore + Whittier

FROM: Jason Rioux, Engineer

David M. Pereira, P.E., Principal



DEPT: Electrical

PROJECT: Consentino Middle School  
Haverhill, Massachusetts

SUBJECT: PCO #120: PR-74-RFI 262-OH Door Power

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Please be advised as follows:

We have reviewed the Wayne J. Griffin Electric, Inc. portion of Proposed Change Order No. 120 in the amount of \$1,547.25 for costs associated with PR-74 RFI 262 OH Door Power. We find the amount to be fair and reasonable and recommend your approval.

If you have any questions regarding this information, please contact our office at your earliest convenience.

JR:md

Cc. Tara King, Dore + Whittier

# Brait Builders Corp.

57 Rockwood Road  
Suite 3  
Marshfield , MA 02050

RECEIVED

9/17/25

GGD Consulting Engineers, Inc.

Phone: (781) 837-6400

Fax: (781) 837-6153

# PROPOSED CHANGE ORDER

No. CMS-120

**TITLE:** PR-74 RFI 262 OH Door Power

**DATE:** 09/17/2025

**PROJECT:** Dr. Albert B. Consentino Middle School

**JOB:** CSM-2024

**TO:** City of Haverhill  
685 Washington Street  
Haverhill, MA

**CONTRACT NO:**

### DESCRIPTION OF CHANGE

Costs associated with the attached for PR-74 RFI 262 OH Door Power.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	WJGEI Proposal #54	1	LS	\$1,547.25		\$0.00	\$1,547.25
2	Brait - OH&P - 5%	0	%	\$1,547.25		\$0.00	\$77.36
3	Brait - Bond - 2%	0	%	\$1,624.61		\$0.00	\$32.49

**Lump Sum:** \$1,657.10

**Total:** \$1,657.10

**Dore & Whittier**

**By:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**City of Haverhill**

**By:** \_\_\_\_\_

**Date:** 10/30/25

**Brait Builders**

**By:** T.J. Dahill

T.J. Dahill

**Date:** 9-17-25

**Owners Project Manager**

**By:** \_\_\_\_\_

**Date:** 10/6/2025



**WAYNE J.  
GRIFFIN ELECTRIC  
INC.**

September 10, 2025

VIA EMAIL ONLY: [tdahill@braitbuilders.com](mailto:tdahill@braitbuilders.com)

Mr. T.J. Dahill, Project Executive  
Brait Builders Corporation  
57 Rockwood Road, Suite 3  
Marshfield, MA 02050

RE: Job #2949 - Consentino Middle School, Haverhill, MA  
Proposal #54

Dear Mr. Dahill:

Wayne J. Griffin Electric, Inc. (“WJGEI”) proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

**DESCRIPTION OF WORK:**

Wayne J Griffin Electric are providing their cost proposal for the labor and material for the works as set out below and captured in PR 74.

To provide and install the labor, material and added breakers for a complete system for the Motorized Overhead Doors.

Note - As the circuit shown in the contract documents has yet to be installed and the difference in cable is minimal WJGEI views that this part of the change is a wash.

Our costs do not include for any cutting, patching, painting, floor/wall protection, ceiling tile removal, or permit.

Total \$ 1,547.25

The additional work will require one (1) day to be added to the completion date. This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us.

**Corporate Headquarters:**

116 Hopping Brook Road  
Holliston, MA 01746  
Phone: (508) 429-8830  
Fax: (508) 429-7825

**Regional Offices:**

296 Cahaba Valley Parkway  
Pelham, AL 35124  
Phone: (205) 733-8848  
Fax: (205) 733-8107

2395 Pleasantdale Road  
Suite 14  
Doraville, GA 30340  
Phone: (678) 417-9377  
Fax: (678) 417-9373

2310 Presidential Drive  
Suite 101  
Durham, NC 27703  
Phone: (919) 627-9724  
Fax: (919) 627-9727

9801-C Southern Pine Boulevard  
Charlotte, NC 28273  
Phone: (704) 522-3851  
Fax: (704) 522-3856

The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

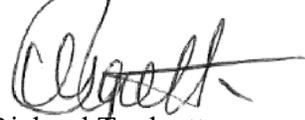
The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5373 or [rtredgett@wjgei.com](mailto:rtredgett@wjgei.com).

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Richard Tredgett  
Project Manager

RT/jav

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: \_\_\_\_\_ Authorized Signature: \_\_\_\_\_

cc: Michael Brait, Owner, Brait Builders Corporation, [mbrait@braitbuilders.com](mailto:mbrait@braitbuilders.com)  
Jake McDonough, Assistant Project Manager, Brait Builders Corporation, [jmcdonough@braitbuilders.com](mailto:jmcdonough@braitbuilders.com)  
Steve Quealy, Superintendent, Brait Builders Corporation, [squealy@braitbuilders.com](mailto:squealy@braitbuilders.com)  
Tom Donahue, Project Executive, Wayne J. Griffin Electric, Inc.  
Chris Deschenes, Assistant Project Manager, Wayne J. Griffin Electric, Inc.  
Victor Vargas, Assistant Project Manager, Wayne J. Griffin Electric, Inc.  
Alex L'Homme, Project Foreman, Wayne J. Griffin Electric, Inc.  
Jacklyn McPherson, Project Administrator, Wayne J. Griffin Electric, Inc.



**CCN#:** P-0054, CP - PR 74 Overhead Door Power  
**Date:** 9/8/2025  
**Project Name:** Consentino Middle School  
**Project Number:** 02949-00-24  
**Page Number:** 1

116 Hopping Brook Road, Holliston, MA 01746  
 (508) 429-8830 FAX (508) 429-9251

## Work Description

Wayne J Griffin Electric are providing their cost proposal for the labor and material for the works as set out below and captured in PR 74.

\*To provide and install the labor, material and added breakers for a complete system for the Motorized Overhead Doors.

\*\*Note\*\* - As the circuit shown in the contract documents has yet to be installed and the difference in cable is minimal WJGEI views that this part of the change is a wash.

\*\*\*Our costs do not include for any cutting, patching, painting, floor/wall protection, ceiling tile removal, or permit.\*\*\*

### Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
VENDOR QUOTE - BREAKERS	1.00	703.0000		703.000	0.0000	0.000
WJGEI LABOR	4.00	0.0000		0.000	1.0000	4.000
				<b>703.00</b>		<b>4.00</b>
				<b>0.00</b>		
				<b>703.00</b>		

## Summary

	Itemized Breakdown Total		
			<b>703.00</b>
Electrical Journeyman	(4.0000 hrs @ \$102.26 / hr )	409.04	
			<b>409.04</b>
BIM COORDINATION	(0.08 hrs @ \$102.26 / hr)	8.18	
FIELD CLEANUP	(0.12 hrs @ \$102.26 / hr)	12.27	
FIELD AS BUILTS	(0.12 hrs @ \$102.26 / hr)	12.27	
FIELD JHA/SAFETY	(0.12 hrs @ \$102.26 / hr)	12.27	
WORKING FOREMAN	(0.80 hrs @ \$102.26 / hr)	81.81	
		<b>126.80</b>	
Labor Burden	(\$535.84 @ 30.00%)	160.75	
		<b>160.75</b>	
Overhead & Profit	(\$1,399.59 @ 10.00%)	139.96	
		<b>139.96</b>	
Bond	(\$1,539.55 @ 0.50%)	7.70	
		<b>7.70</b>	
			<b>435.21</b>
<b>Total</b>			<b>\$1,547.25</b>



Eaton Corporation  
165 Grove Street  
Suite 10  
Franklin, MA. 02038  
tel: 774-235-0235  
fax: 508-520-1980

September 6, 2025

Wayne J. Griffin Electric  
Attn: Richard Tredgett

Subject: Consentino Middle School  
PR-74

Richard,  
Your cost is \$703 total for (2) QBHW3020H breakers for panelboard MP1C.

Please review and advise of any further questions.

Sincerely

Stephen A. Caruso  
Eaton Electrical  
Executive Sales Engineer  
165 Grove St.  
Franklin MA, 02038  
Office: (774)-235-0235  
Cell: (508)-446-6831  
Email: [StevenACaruso@eaton.com](mailto:StevenACaruso@eaton.com)

# PROPOSAL REQUEST



- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Owner      | <input type="checkbox"/> Civil             | <input type="checkbox"/> FF&E           |
| <input checked="" type="checkbox"/> Architect  | <input type="checkbox"/> Landscape         | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech           | <input type="checkbox"/> Acoustics      |
| <input checked="" type="checkbox"/> O.P.M      | <input type="checkbox"/> Structural        | <input type="checkbox"/> Other          |
| <input type="checkbox"/> CX Agent              | <input checked="" type="checkbox"/> MEP-FP | <input type="checkbox"/> Other          |

---

Project Name:	<b>Haverhill Consentino Middle School</b>	PR No.	<b>74</b>
Architect's Project No.	<b>21-0818</b>		
Owner:	<b>City of Haverhill 4 Summer Street Haverhill, MA 01830</b>	Architect:	<b>DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950</b>
To:	<b>Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050</b>	Contract Date	<b>4/1/2024</b>
		Issue Date:	<b>9/3/2025</b>
Attention:	<b>TJ Dahill</b>	Subject:	<b>RFI 262 – OH Door Power</b>

---

Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

---

To coordinate with RFI 262 and 08 36 13 - Sectional Doors, make the following revisions as indicated in attached electrical memo.

## Electrical Memo

Issued by

---

**DORE + WHITTIER**  
Tara King

Copy: File, GGD

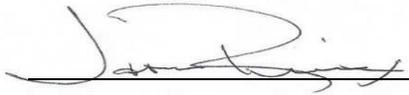
M#94833  
J#894 117 00.00

DATE: September 2, 2025

MEMO

TO: Tara King  
Dore + Whittier

FROM: Jason Rioux



DEPT: Electrical

PROJECT: Consentino Middle School  
Haverhill, Ma

SUBJECT: Electrical Changes for RFI #262 – OH Sectional Doors

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Please be advised of the following:

Upon review of RFI #262 regarding OH Sectional Doors, the following changes were noted, and a PR is required for outlined work noted below. Please forward the following changes to the electrical contractor:

- Connect OH Door 1024B to circuit MP1C-58, 60, 62 with a new 20A-3-pole breaker via (3) #12 + (1) #12G-3/4"C; in lieu of (2) #12 + (1) #12G in 3/4"C. Previously specified breaker size of 20A/2-pole shall be left as spare.
- Connect OH Door 1025A to circuit MP1C-64, 66, 68 with a new 20A-3-pole breaker via (3) #12 + (1) #12G-3/4"C; in lieu of (2) #12 + (1) #12G in 3/4"C. Previously specified breaker size of 20A/2-pole shall be left as spare.

JR:md

CC: Michelle Barbaro-Rogers, AIA, Dore + Whittier  
Heather Gratton, Dore + Whittier

# PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.



Architect's Project No. **21-0818**

Subject: **GPH Relocate 8" Storm in Gym** PCO Issue Date: **2025.09.17**  
 PCO Reviewed: **2025.10.01**

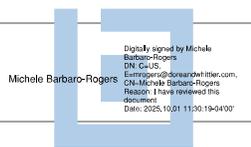
The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design	X	Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	<b>D+W has reviewed the attached PCO and finds the fees to be fair and reasonable</b>
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers



X	Design Team Recommends Approval
	Design Team <b>Does Not</b> Recommend Approval

# Brait Builders Corp.

57 Rockwood Road  
Suite 3  
Marshfield , MA 02050

Phone: (781) 837-6400  
Fax: (781) 837-6153

## PROPOSED CHANGE ORDER

No. CMS-123

**TITLE:** GPH Relocate 8 Inch Storm In Gym

**DATE:** 09/17/2025

**PROJECT:** Dr. Albert B. Consentino Middle School

**JOB:** CSM-2024

**TO:** City of Haverhill  
685 Washington Street  
Haverhill, MA

**CONTRACT NO:**

### DESCRIPTION OF CHANGE

Costs associated with the attached for GPH Relocate 8 Inch Storm In Gym

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	GPH CO#15P	1	LS	\$2,880.00		\$0.00	\$2,880.00
2	Brait - OH&P - 5%	0	%	\$2,880.00		\$0.00	\$144.00
3	Brait - Bond - 2%	0	%	\$3,024.00		\$0.00	\$60.48

**Lump Sum:** \$3,084.48

**Total:** \$3,084.48

**Dore & Whittier**

**By:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**City of Haverhill**

**By:** \_\_\_\_\_

**Date:** 10/30/25

**Brait Builders**

**By:** *T.J. Dahill* \_\_\_\_\_  
T.J. Dahill

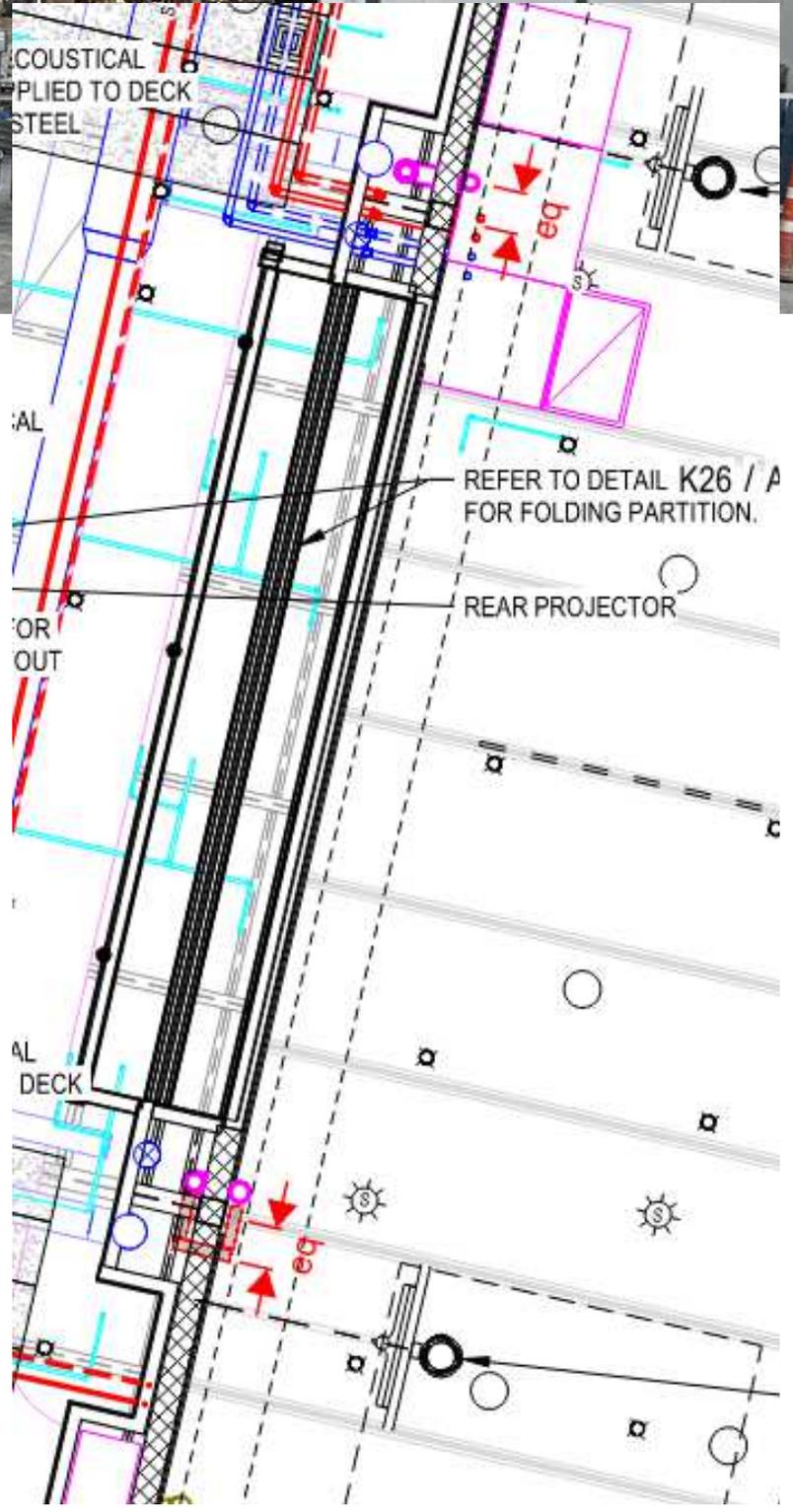
**Date:** 9-17-25

**Owners Project Manager**

**By:** \_\_\_\_\_

**Date:** 10/10/2025

Appears fair and reasonable - recommend approval



# ADDITIONAL WORK AUTHORIZATION

## Grasseschi Plumbing & Heating, Inc.

1299 Grafton Street, Worcester, Ma. 01604

(508) 753-3028 Fax: 508-799-4953

Brait Builders Corporation		PHONE	DATE 9/17/2025
STREET 57 Rockwood Rd, Suite 3		JOB NAME Consentino Middle School	JOB NUMBER HAVEP
CITY Marshfield	STATE MA 02050	STREET	
EXISTING CONTRACT NUMBER	DATE OF EXISTING CONTRACT	CITY	STATE

You are authorized to perform the following specifically described additional work:

As directed, GPH hereby submit the following labor and material expenses to relocate 8" horizontal storm piping in the Gym, Building B.

Material	\$ 1419.00
Labor 8 hrs @ \$145.09	\$ 1160.72
10% Overhead & Profit	\$ 257.97
Bond	\$ 42.57

TOTAL \$2880.00

Notes:

Pricing is valid for 30 days.

Future slip from insulator to be submitted separately.

**ADDITIONAL CHARGE FOR ABOVE WORK IS:** \$ Net add \$2,880.00

Payment will be made as follows: \_\_\_\_\_

Above additional work to be performed under same conditions as specified in original contract unless otherwise stipulated.

Date \_\_\_\_\_ Authorizing Signature \_\_\_\_\_  
(OWNER SIGNS HERE)

We hereby agree to furnish labor and materials – complete in accordance with the above specifications, at above stated price.

Authorized Signature Scott LaFlash Date 9/16/2025  
Scott LaFlash, Project Manager

**THIS IS CHANGE ORDER NO. 15P**

NOTE: This Revision becomes part of, and in conformance with, the existing contract.

**Grasseschi** Plumbing Heating, Inc.  
 1299 Grafton Street, Worcester, Ma. 01604  
 (508) 753-3028 Fax: 508-799-4953

**Job: Consentino Middle School**  
**CO 11P - Relocation of 8" horizontal storm in building D**

Quantity	Description	Material	Material	Labor	Labor
		<u>Material (Add)</u>			
2	8" NH short sweep 1/4 bends	\$ 310.00	\$ 620.00	N/A	N/A
5	Ft of 8" NH pipe	\$ 71.00	\$ 355.00	0.464	2.32
4	8" NH clamps	\$ 111.00	\$ 444.00	0.970	3.88
1	10" core hole	N/A	N/A	2.000	2.00
<b>TOTALS</b>			<b>\$ 1,419.00</b>		<b>8</b>

**Notes:**  
 Future invoicing by insulator not including.

## Scott LaFlash

---

**From:** Tara King <tking@DoreandWhittier.com>  
**Sent:** Monday, September 15, 2025 7:53 AM  
**To:** Dennis Bergeron; Scott LaFlash  
**Subject:** RE: Haverhill gym roof drain re location

Quick follow up, the vertical stack on the platform side is not proposed to move – just the horizontal connection from the gym to the top of the drop.

Thanks,

**Tara King**  
**DORE + WHITTIER**  
(802) 863-1428

---

**From:** Dennis Bergeron <dbergeron@grasseschi.com>  
**Sent:** Monday, September 15, 2025 6:47 AM  
**To:** Tara King <tking@DoreandWhittier.com>; Scott LaFlash <slaflash@grasseschi.com>  
**Subject:** Haverhill gym roof drain re location

Good morning Tara/Scott,

Scott can we please give Tara a price to relocate roof drain in the gym? Right now all roof drain and overflow stacks are coming up on the north side of columns. Tara would like to see the 8” roof drain at column 16 going through the CMU wall south of 16 line then tying back into our drop. Can you please have Koco see if this is even possible due to the coordination involved to avoid basketball hoop? Please see attached photos.

# PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.



Architect's Project No. **21-0818**

Subject: **Soils Under Asphalt – PR-78 RFI 272** PCO Issue Date: **2025.10.20**  
 PCO Reviewed: **2025.10.21**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design		Other	x	GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	<b>D+W has reviewed the attached PCO and recommends approval</b>
X			Site/Civil:	Nitsch	Approval recommended
			Traffic:		
			Geotechnical:		
X			Landscape:	TerraInk	No comments
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers



X	Design Team Recommends Approval
	Design Team <b>Does Not</b> Recommend Approval

# Brait Builders Corp.

57 Rockwood Road  
Suite 3  
Marshfield , MA 02050

Phone: (781) 837-6400  
Fax: (781) 837-6153

## PROPOSED CHANGE ORDER

No. CMS-128A

**TITLE:** PR-78 RFI 272 Soils Under Asphalt

**DATE:** 10/20/2025

**PROJECT:** Dr. Albert B. Consentino Middle School

**JOB:** CSM-2024

**TO:** City of Haverhill  
685 Washington Street  
Haverhill, MA

**CONTRACT NO:**

### DESCRIPTION OF CHANGE

Costs associated with the attached for PR-78 RFI 272 Soils Under Asphalt. Costs represent only areas that have not received binder to date - as indicated by the cyan highlighted section on page 11 of this package - cost include geo-grid ilo fabric

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	JDC PCO-16BR1	1	LS	\$10,346.63		\$0.00	\$10,346.63
2	Brait - OH&P - 5%	0	%	\$10,346.63		\$0.00	\$517.33
3	Brait - Bond - 2%	0	%	\$10,863.96		\$0.00	\$217.28

**Lump Sum:** \$11,081.24

**Total:** \$11,081.24

**Dore & Whittier**

**By:** See cover page

**Date:** \_\_\_\_\_

**City of Haverhill**

**By:** [Signature]

**Date:** 10/30/25

**Brait Builders**

**By:** [Signature]

T.J. Dahill

**Date:** October 20, 2025

**Owners Project Manager**

**By:** [Signature]

**Date:** 10/23/2025

# J. DERENZO COMPANY



338 HOWARD ST. | BROCKTON, MA | 02302 | 508.427.6441

October 17, 2025

**Brait Builders Corp.**  
57 Rockwood Road, Suite 3  
Marshfield, MA 02050

Attn: **T.J. Dahill**  
Project: **Consentino MS- Haverhill, MA**  
Re: **PCO #16BR1- PR78 – Geotextile**

J. Derenzo Co. proposes to perform the scope detailed herein, based on the stated qualifications, inclusions, and exclusions, for a lump sum price of **\$7,486.63**

A detailed breakdown of change in scope referenced in this cover sheet is enclosed.

#### **Qualifications:**

- PR - 78 - RFI 272 Soils Under Asphalt by Dore & Whittier dated 10/6/2025

#### **Inclusions:**

- Furnish and install nonwoven geotextile fabric at locations where binder has not already been installed
  - o Other aspects of the roadways (Subbase, binder & surface) owned by contract
- Alternate Cost: Install Geogrid in lieu of non woven geotextile **Add \$760.00**
- Alternate Cost: Install Fabric below roadway that cuts through the parking lot north of West Field (No asphalt removal & replacement included): **Add \$2,100.00**

#### **Exclusions/Clarifications:**

- Premium time – nights, weekends, holidays, etc
- Winter Conditions
- Soil Disposal premium to facilities
- The project has an allocated number of asphalt mobilizations. Additional asphalt mobilizations (if required) shall be under separate cover

If you have any questions concerning this proposal, please do not hesitate to contact me using the information listed below.

**Total Cost=\$ 7,486.63**

If you have any questions concerning this proposal, please do not hesitate to contact me using the information listed below.

Respectfully,  
J. DERENZO CO.

*Christian Rivera*

Christian Rivera  
Project Manager

# Proposal

---

**From:** J Derenzo Co  
338 Howard Street  
Brockton, MA 02302 USA  
Phone: (508) 427-6441

**Project:** 24013 PCO16 PR78 GEOTEXTILE  
**Description:**

---

<b>ITEM / DESCRIPTION</b>	<b>BID QTY</b>	<b>U/M</b>	<b>UNIT BID</b>	<b>AMOUNT</b>
.05 Bond	1.000		\$92.43	\$92.43
33 Install Fabric Below subbase	1,800.000	Square Yards	\$4.11	\$7,394.20
			<b>TOTAL BID:</b>	<b>\$7,486.63</b>

---

**ITEM SHEET COSTS  
AS SHOWN**

Item: .05  
 Description: Bond  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure:  
 Bid Quantity: 1.00  
 Take-off Quantity: 1.000  
 Total Man-Hours: 0.00  
 Man-Hours per Unit: 0.0000  
 Units / MH: 0.0000

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
.05	Bond		1.00	1.00 (D)	1.00

**Cost Detail for Item .05**

R Code	Description	QTY	U/M	Factor	Rate	Cost
O WRITEIN	Bond Cost (1.25% of total value)	1.00		1.00	92.43	92.43
	<b>Item Unit Cost:</b>				<b>92.43</b>	
				<b>Item Total Cost:</b>		<b>92.43</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	0.00	0.00	0.00	0.00	0.00	92.43
Unit:	0.00	0.00	0.00	0.00	0.00	92.43

**Bid Data for Item: .05**

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	1.00	92.43	92.43	92.43	0.00	
Take-off Qty:	1.00	92.43	92.43	92.43	0.00	0.00

**ITEM SHEET COSTS  
AS SHOWN**

Item:	33	Unit of Measure:	Square Yards
Description:	Install Fabric Below subbase	Bid Quantity:	1,800.00
Cost Code:		Take-off Quantity:	1,800.000
Production:	DAYS	Total Man-Hours:	36.00
Hours per Day:	8	Man-Hours per Unit:	0.0200
Alternate:		Units / MH:	50.0000

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
33	Install Fabric Below subbase	Square Yards	1,800.00	1,200.00 (D)	1.50

**Cost Detail for Item 33**

R Code	Description	QTY	U/M	Factor	Rate	Cost
L JDC-FOR	Foreman	1.00		1.50	1,280.56	1,920.84
L JDC-LAB	Laborer	2.00		1.50	871.12	2,613.36
M WRITEIN	Fabric	4.00	Rolls	1.00	650.00	2,600.00
<b>Item Unit Cost:</b>		<b>3.96</b>			<b>Item Total Cost:</b>	<b>7,134.20</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	4,534.20	0.00	0.00	2,600.00	0.00	0.00
Unit:	2.52	0.00	0.00	1.44	0.00	0.00

**Bid Data for Item: 33**

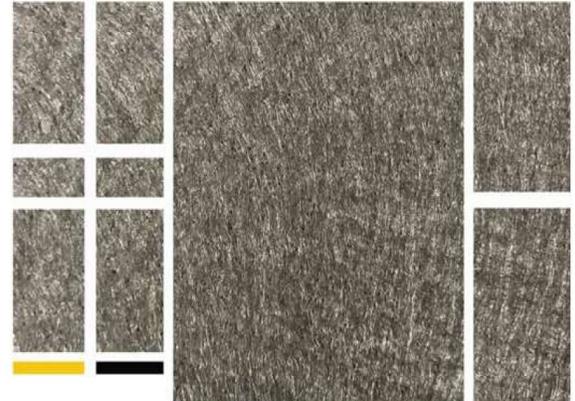
	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	1,800.00	4.11	7,394.20	7,134.20	260.00	
Take-off Qty:	1,800.00	4.11	7,394.20	7,134.20	260.00	0.00

# NON-WOVEN GEOTEXTILE

## GT - 180



SKAPS GT-180 is a needle-punched nonwoven geotextile made of 100% virgin polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-180 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. SKAPS GT-180 is NTPEP certified and meets requirements as per AASHTO Standards and/or D.O.T. Standards.



SKAPS GT-180 conforms to the Minimum Average Roll Values (MARV) listed below:

Property	Method	English (MARV <sup>2</sup> )	Metric (MARV <sup>2</sup> )
Grab Tensile Strength	ASTM D 4632	205 lbs.	0.911 kN
Grab Elongation	ASTM D 4632	50%	50%
Trapezoid Tear Strength	ASTM D 4533	85 lbs.	0.378 kN
CBR Puncture Resistance	ASTM D 6241	535 lbs	2.370 kN
Permittivity <sup>4</sup>	ASTM D 4491	1.4 sec <sup>-1</sup>	1.4 sec <sup>-1</sup>
Water Flow <sup>4</sup>	ASTM D 4491	95 gpm/ft <sup>2</sup>	3870 l/min/m <sup>2</sup>
Apparent Opening Size (AOS) <sup>3&amp;4</sup>	ASTM D 4751	80 Std. U.S. Sieve	0.180 mm
UV Resistance	ASTM D 4355	70%/500 hrs.	70%/500 hrs.

## Packaging

Roll Dimensions (W x L)	12.5 x 360 ft. 15 x 300 ft.	3.81 m x 109.8 m 4.6 m x 91.4 m
Area Per Roll	500 sq. yards	418.3 sq. meters

## Note

1. The property values listed above are subject to change without notice.
2. Minimum Average Roll Values (MARV) is calculated as the average minus two standard deviations. Statistically, it yields approximately 97.5% degree of confidence that any samples taken from quality assurance testing will meet or exceed the values described above.
3. Maximum Average Roll Value (MaxARV)
4. At time of manufacturing. Handling may change these properties.

*This information is provided for reference purposes only and is not intended as a warranty or guarantee. SKAPS assumes no liability in connection with the use of this information.*

## Product Specification - Biaxial Geogrid BX1200

*Tensar International Corporation reserves the right to change its product specifications at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance.*

<b>Product Type:</b>	<b>Integrally Formed Biaxial Geogrid</b>
<b>Polymer:</b>	<b>Polypropylene</b>
<b>Load Transfer Mechanism:</b>	<b>Positive Mechanical Interlock</b>
<b>Primary Applications:</b>	<b>Spectra System (Base Reinforcement, Subgrade Improvement)</b>

### Product Properties

Index Properties	Units	MD Values <sup>1</sup>	XMD Values <sup>1</sup>
▪ Aperture Dimensions <sup>2</sup>	mm (in)	25 (1.0)	33 (1.3)
▪ Minimum Rib Thickness <sup>2</sup>	mm (in)	1.27 (0.05)	1.27 (0.05)
▪ Tensile Strength @ 2% Strain <sup>3</sup>	kN/m (lb/ft)	6.0 (410)	9.0 (620)
▪ Tensile Strength @ 5% Strain <sup>3</sup>	kN/m (lb/ft)	11.8 (810)	19.6 (1,340)
▪ Ultimate Tensile Strength <sup>3</sup>	kN/m (lb/ft)	19.2 (1,310)	28.8 (1,970)
<b>Structural Integrity</b>			
▪ Junction Efficiency <sup>4</sup>	%	93	
▪ Flexural Stiffness <sup>5</sup>	mg-cm	750,000	
▪ Aperture Stability <sup>6</sup>	m-N/deg	0.65	
<b>Durability</b>			
▪ Resistance to Installation Damage <sup>7</sup>	%SC / %SW / %GP	95 / 93 / 90	
▪ Resistance to Long Term Degradation <sup>8</sup>	%	100	
▪ Resistance to UV Degradation <sup>9</sup>	%	100	

### Dimensions and Delivery

The biaxial geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 3.0 meters (9.8 feet) or 4.0 meters (13.1 feet) in width and 50.0 meters (164 feet) in length. A typical truckload quantity is 160 to 210 rolls.

### Notes

1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759-02. Brief descriptions of test procedures are given in the following notes.
2. Nominal dimensions.
3. True resistance to elongation when initially subjected to a load determined in accordance with ASTM D6637-01 without deforming test materials under load before measuring such resistance or employing "secant" or "offset" tangent methods of measurement so as to overstate tensile properties.
4. Load transfer capability determined in accordance with GRI-GG2-05 and expressed as a percentage of ultimate tensile strength.
5. Resistance to bending force determined in accordance with ASTM D5732-01, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs (as a "ladder"), and of length sufficiently long to enable measurement of the overhang dimension. The overall Flexural Stiffness is calculated as the square root of the product of MD and XMD Flexural Stiffness values.
6. Resistance to in-plane rotational movement measured by applying a 20 kg-cm (2 m-N) moment to the central junction of a 9 inch x 9 inch specimen restrained at its perimeter in accordance with U.S. Army Corps of Engineers Methodology for measurement of Torsional Rigidity.
7. Resistance to loss of load capacity or structural integrity when subjected to mechanical installation stress in clayey sand (SC), well graded sand (SW), and crushed stone classified as poorly graded gravel (GP). The geogrid shall be sampled in accordance with ASTM D5818-06 and load capacity shall be determined in accordance with ASTM D6637-01.
8. Resistance to loss of load capacity or structural integrity when subjected to chemically aggressive environments in accordance with EPA 9090 immersion testing.
9. Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with ASTM D4355-05.

Tensar International Corporation warrants that at the time of delivery the geogrid furnished hereunder shall conform to the specification stated herein. Any other warranty including merchantability and fitness for a particular purpose, are hereby excluded. If the geogrid does not meet the specifications on this page and Tensar is notified prior to installation, Tensar will replace the geogrid at no cost to the customer.

This product specification supersedes all prior specifications for the product described above and is not applicable to any products shipped prior to June 1, 2007

# PROPOSAL REQUEST

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Owner      | <input type="checkbox"/> Civil             | <input type="checkbox"/> FF&E           |
| <input checked="" type="checkbox"/> Architect  | <input type="checkbox"/> Landscape         | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech           | <input type="checkbox"/> Acoustics      |
| <input checked="" type="checkbox"/> O.P.M      | <input type="checkbox"/> Structural        | <input type="checkbox"/> Other          |
| <input type="checkbox"/> CX Agent              | <input checked="" type="checkbox"/> MEP-FP | <input type="checkbox"/> Other          |



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Project Name:	<b>Haverhill Consentino Middle School</b>	PR No.	<b>78</b>
Architect's Project No.	<b>21-0818</b>		
Owner:	<b>City of Haverhill 4 Summer Street Haverhill, MA 01830</b>	Architect:	<b>DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950</b>
To:	<b>Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050</b>	Contract Date	<b>4/1/2024</b>
		Issue Date:	<b>10/6/2025</b>
Attention:	<b>TJ Dahill</b>	Subject:	<b>RFI 272 Soils Under Asphalt</b>

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Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

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To coordinate with Owner and Contractor request as well as RFI 272, provide a cost for the following modifications:

Contractor to provide geotextile – place a layer of non-woven geotextile between the approved soil subgrade and the dense graded aggregate to act as a separation layer between the subgrade soil and the aggregate base. Refer to attached specification **31 05 19 – Geotextiles**.

At Sheets C4.01 C4.02, C4.03, C4.04, LAYOUT PLANS, see limits of geotextile shown on attached.

Sheet C7.04, CIVIL DETAILS IV, refer to attached detail HOT MIXED ASPHALT PAVING.

**31 05 19, C4.01, C4.02, C4.03, C4.04, C7.04**

Issued by

**DORE + WHITTIER**

Tara King

Copy: File, Nitsch, Sanborn Head

**SECTION 31 05 19**  
**NON-WOVEN GEOTEXTILES**  
ISSUED WITH PR 78

**PART 1 GENERAL**

**1.01 GENERAL PROVISIONS**

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

**1.02 DESCRIPTION OF WORK**

- A. Work Included: Provide labor, materials, and equipment necessary to complete the work of this Section, including but not limited to the following: installation of non-woven geotextile over approved asphalt pavement soil subgrade for the purpose of separating two different materials.
- B. Related Work: The following items are not included in this Section and will be performed under the designated Sections:
1. SECTION 31 20 00 - EARTHWORK for building related soil materials, excavating and backfilling requirements.
  2. SECTION 32 12 16 – ASPHALT PAVING.

**1.03 UNIT PRICES**

1. Unit prices for certain types of non-woven geotextiles are included in Section 012200 - UNIT PRICES.
2. Measurement: Quantity of non-woven geotextile to be paid for shall be the number of SQUARE YARDS, measured from its final position, installed to the satisfaction of the Engineer. No additional measure will be made for overlapping of non-woven geotextile.
3. Price to Cover: The price bid shall be a unit price per SQUARE YARD of non-woven geotextile and shall include the cost of furnishing all labor, material, equipment, insurance, submittals, and incidental expenses necessary to complete the work; all in accordance with the plans and specifications and to the satisfaction of the Engineer.

**1.04 DEFINITIONS**

1. Non-Woven Geotextile: Separation application is defined as the placement of a flexible porous geotextile between dissimilar materials so that the integrity and functioning of both materials can be maintained or improved.
  - a. All non-woven geotextile shall be synthetic and rot proof.
  - b. Non-woven geotextile used in separation applications shall be 180N (non-woven) as manufactured by Solmax or an approved equivalent.

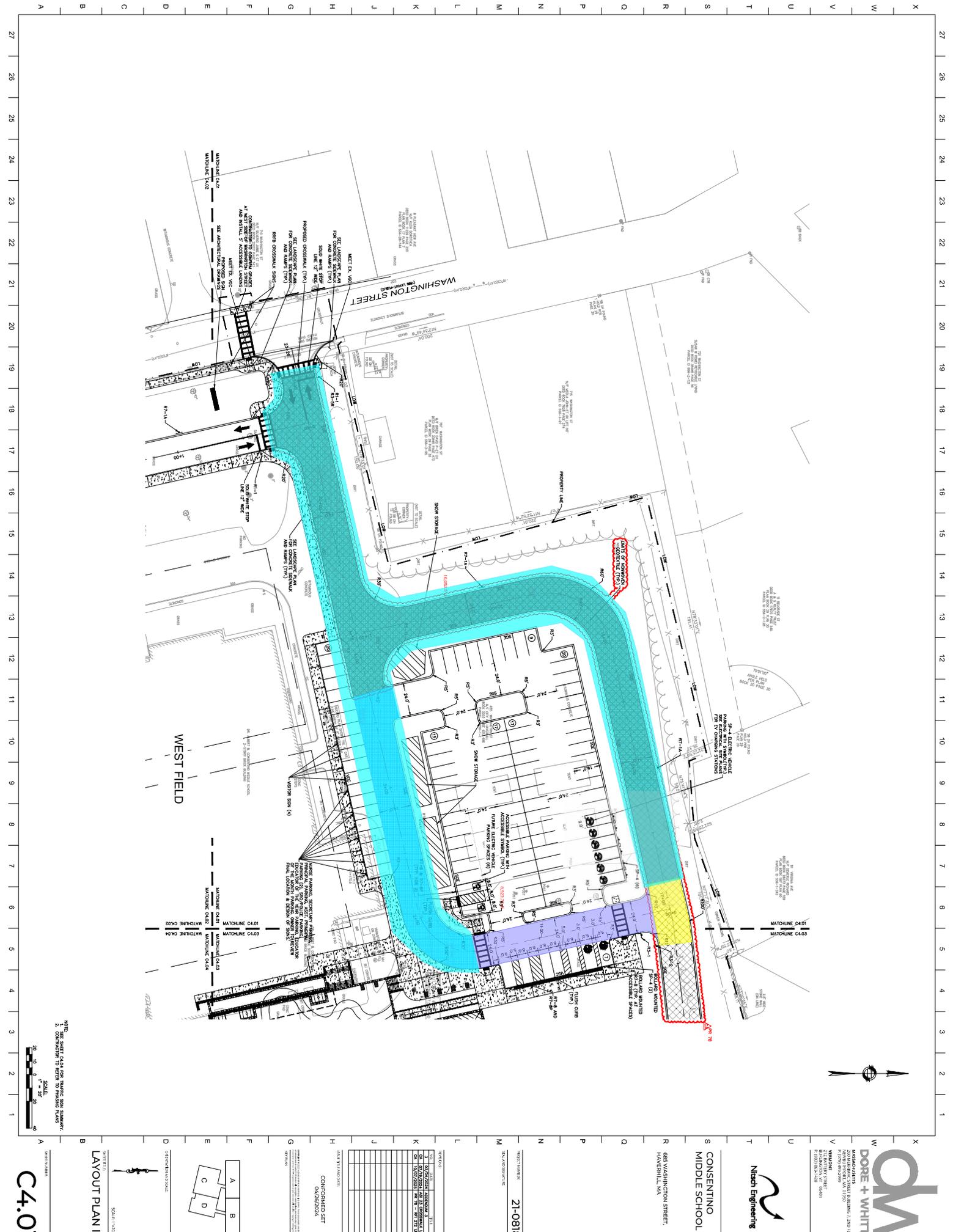
**1.05 SUBMITTALS**

1. Refer to Section 013300 – SUBMITTAL REQUIREMENTS, for submittal provisions and procedures.
2. Manufacturer's Data: The Contractor shall submit manufacturer's data with sufficient detail to demonstrate compliance with the requirements of this specification.
3. Samples: The Contractor shall furnish the required number of samples of the non-woven geotextile intended for use in the work for approval by the Engineer. The label shall include the manufacturer's product name, the type of fabric, and the weight of grade of the material. Non-woven geotextile used in the work shall conform to the approved samples

**1.06 PROJECT CONDITIONS**

1. Delivery, Storage and Handling:
  - a. Delivery: Deliver materials to site in manufacturer's original, unopened packaging, and labeled with the following information: manufacturer's name, product identification, lot number, roll number, and dimensions.
  - b. Storage: Store materials in clean, dry area in accordance with manufacturer's instructions.
  - c. Handling: Protect materials during handling and installation to prevent damage.
2. Examination:
  - a. Inspect subgrade areas to receive non-woven geotextile in accordance with SECTION 31 23 00, 3.10. Confirm that the subgrade soils meet the requirements of the project specifications and geotechnical report. Notify Engineer if areas are not acceptable. Do not begin installation until unacceptable subgrade conditions have been corrected to the satisfaction of the Engineer in accordance with SECTION 31 23 00, 3.23, Field Quality Control.
3. Installation:
  - a. Install non-woven geotextile in accordance with manufacturer's instructions at locations indicated on the Drawings.
  - b. The non-woven geotextile shall be rolled directly on the ground. All seams shall be overlapped a minimum of six (6") inches.
  - c. No equipment, materials or machinery shall be placed on or be transported over exposed non-woven geotextile.
  - d. During the placement of geotextiles, all dirt, dust, sand, and mud will be kept off to prevent clogging. If excessive containment materials are present on the geotextile, it will be cleaned or replaced as requested by the Engineer.
  - e. Install Gravel on the plans and as directed by the Engineer shall then be carefully placed to prevent dislocation of the non-woven geotextile. If the non-woven geotextile is damaged during installation, the rupture shall be removed and the damaged area shall be covered with a patch of new non-woven geotextile that will overlap the undamaged non-woven geotextile by at least 24 inches in all directions. All repaired non-woven geotextile surface costs shall be done at no additional cost to the Owner.

**END OF SECTION**



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SCALE  
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NOTES:  
1. SEE SHEET C4.01 FOR TRAFFIC SIGN SUMMARY  
2. CONNECTION TO REFER TO PREVIOUS PLANS

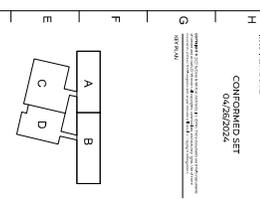
**OW**  
DORR + WHITTER  
ARCHITECTS  
1000 COMMONWEALTH DRIVE, SUITE 200  
FALLS CHURCH, VA 22033  
TEL: 703/441-1100  
WWW.DORR+WHITTER.COM

**Nitch Engineering**  
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WWW.NITCHENGINEERING.COM

CONSENTINO  
MIDDLE SCHOOL  
688 WASHINGTON STREET,  
FAVERHILL, VA

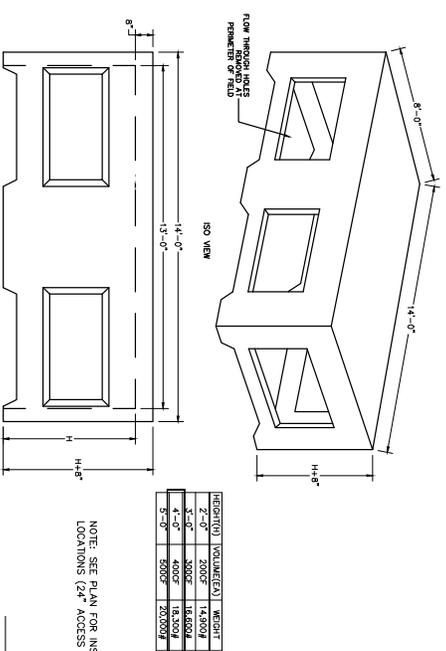
SHEET NUMBER: 21-0818  
SCALE: AS SHOWN

NO.	DATE	DESCRIPTION
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2	04/28/2024	CONFORMED SET

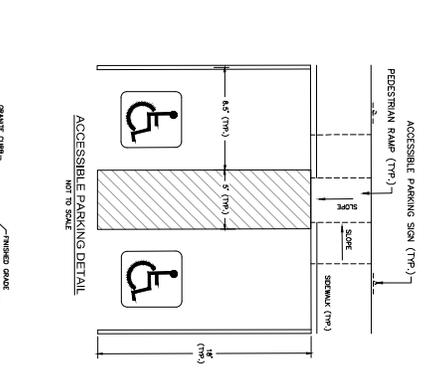
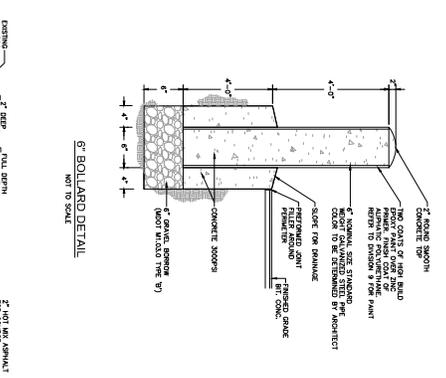
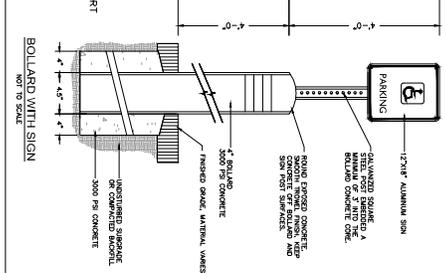


SCALE: 1/8" = 1'-0"  
LAYOUT PLAN I

SHEET NUMBER: C4.01

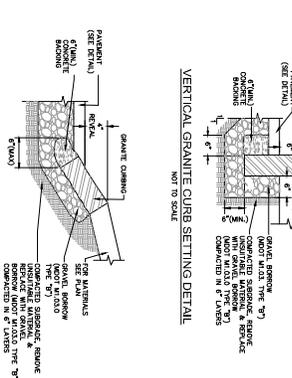
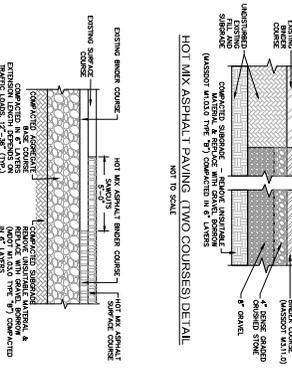
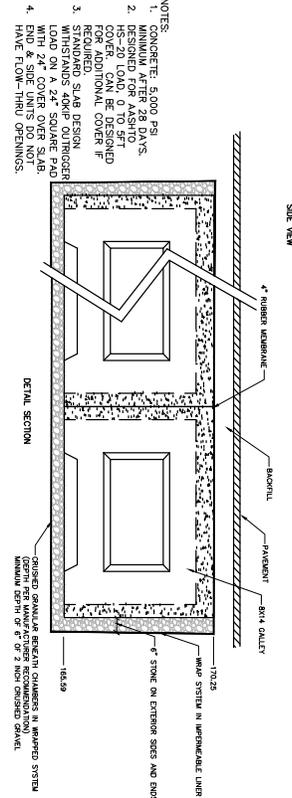


NOTE: SEE PLAN FOR INSPECTION PORT LOCATIONS (2" ACCESS BASINS)

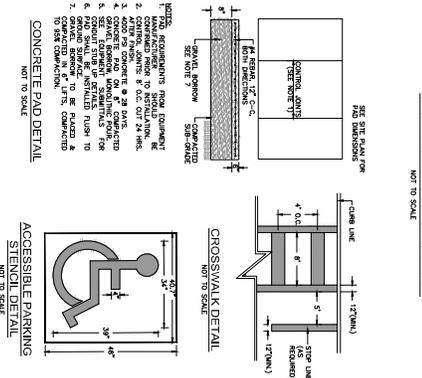
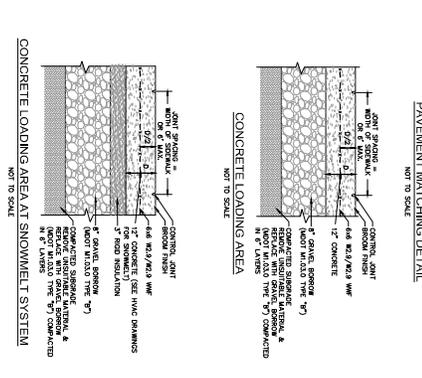
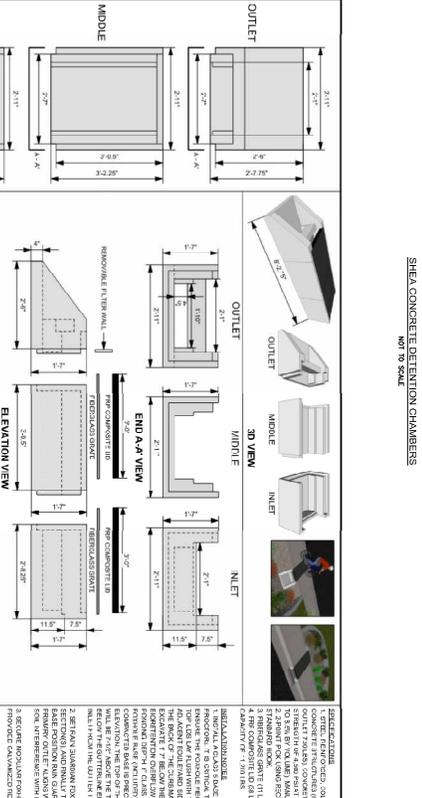


**CONSENTINO MIDDLE SCHOOL**  
688 WASHINGTON STREET, FAVERHILL, VA

**Dore + Whittier**  
ARCHITECTS  
1000 WASHINGTON STREET, SUITE 1000, FAVERHILL, VA 22804  
PHONE: 540-825-1841  
WWW.DOREWHITTIER.COM



**21-0818**  
CONCRETE SET  
04/26/2024



**CONFORMED SET**  
04/26/2024

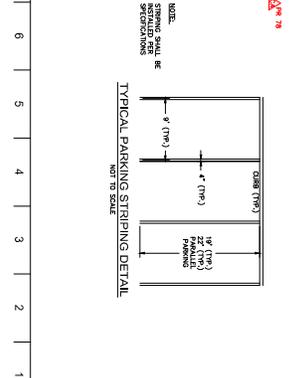
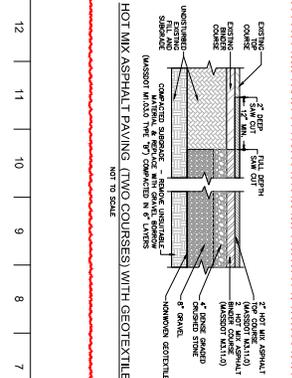
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**REVISION HISTORY**

REV	DATE	DESCRIPTION
1	04/26/2024	ISSUED FOR PERMIT
2	04/26/2024	ISSUED FOR PERMIT
3	04/26/2024	ISSUED FOR PERMIT

**DESIGNED BY: AMERICA'S CONCRETE**  
**MANUFACTURED BY: CONFORMED SET**



**CIVIL DETAILS IV**  
C7.04

# PCO REVIEW FORM



Project Name: **Haverhill Consentino Middle School** PCO No.

**130  
R1**

Architect's Project No. **21-0818**

Subject: **South Field Loam Shaping Costs** PCO Issue Date: **2025.10.17**  
 PCO Reviewed: **2025.10.20**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner	X	Town/AHJ/Other		Unforeseen	X
Design		Other	X	GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	<b>D+W has reviewed the attached PCO finds the fees to be fair and reasonable</b>
X			Site/Civil:	Nitsch	
			Traffic:		
			Geotechnical:		
X			Landscape:	Terra Ink	
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		

Digitally signed by Michele Barbaro-Rogers  
 DN: cn=US, email=mrogers@doreandwhittier.com, o=Michele Barbaro-Rogers  
 Reason: I have reviewed this document  
 Date: 2025.10.20 19:29:19-04'00'

Michele Barbaro-Rogers

X	Design Team Recommends Approval
	Design Team <b>Does Not</b> Recommend Approval

# Brait Builders Corp.

57 Rockwood Road  
Suite 3  
Marshfield , MA 02050

Phone: (781) 837-6400  
Fax: (781) 837-6153

## PROPOSED CHANGE ORDER

No. CMS-130R1

**TITLE:** South Field Loam Shaping Costs

**DATE:** 10/17/2025

**PROJECT:** Dr. Albert B. Consentino Middle School

**JOB:** CSM-2024

**TO:** City of Haverhill  
685 Washington Street  
Haverhill, MA

**CONTRACT NO:**

### DESCRIPTION OF CHANGE

Costs associated with the attached for South Field Loam Shaping Costs.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	BrightView PR-67	1	LS	\$25,916.00		\$0.00	\$25,916.00
2	Brait - OH&P - 5%	0	%	\$25,916.00		\$0.00	\$0.00
3	Brait - Bond - 2%	0	%	\$25,916.00		\$0.00	\$0.00

**Lump Sum:** \$25,916.00

**Total:** \$25,916.00

**Dore & Whittier**

**By:** See cover page

**Date:** \_\_\_\_\_

**City of Haverhill**

**By:** \_\_\_\_\_

**Date:** 10/31/25

**Brait Builders**

**By:** \_\_\_\_\_

**Date:** October 17, 2025

**Owners Project Manager**

**By:** \_\_\_\_\_

**Date:** 10/23/2025



EXTRA WORK - COST SUMMARY

EWO #: PR-67  
 Description: F&I SOIL AND SOD  
 Job Name: LANDMARK PH III  
 General Contractor: BRAIT BUILDERS  
 Slip #:

PART 1

**Labor**

Labor Foreman	Hr	ST	32.00	\$	153.85	\$	4,923.20	
Labor Foreman	Hr	OT		\$	201.61	\$	-	
Labor Foreman	Hr	PT		\$	-	\$	-	
Laborer	Hr	ST	72.00	\$	103.94	\$	7,483.68	
Laborer	Hr	OT		\$	139.14	\$	-	
Laborer	Hr	PT		\$	-	\$	-	
Operator	Hr	ST	16.00	\$	151.64	\$	2,426.24	
Operator	Hr	OT		\$	201.45	\$	-	
Operator	Hr	PT		\$	-	\$	-	
Mason Foreman	Hr	ST		\$	159.51	\$	-	
Mason Foreman	Hr	OT		\$	261.36	\$	-	
Mason Foreman	Hr	PT		\$	-	\$	-	
Mason	Hr	ST		\$	140.06	\$	-	
Mason	Hr	OT		\$	237.19	\$	-	
Mason	Hr	PT		\$	-	\$	-	
General Foreman	Hr	ST	4.00	\$	175.00	\$	700.00	
					Subtotal		\$	15,533.12
					OH&P		\$	1,553.31
					Total Labor		\$	17,086.43

**Equipment**

Crew Truck	Hr		32.00	\$	18.54	\$	593.28	
Site Truck-10 Wheel	Hr		8.00	\$	115.00	\$	920.00	
Site Truck-Tri-Axel	Hr			\$	135.00	\$	-	
Site Truck-Tractor Trailer	Hr			\$	175.00	\$	-	
RT Excavator 190	Hr			\$	71.15	\$	-	
Mini Excavator	Hr			\$	47.50	\$	-	
Skid Steer 329E	Hr		16.00	\$	36.25	\$	580.00	
Dozer	Wk			\$	81.00	\$	-	
Masonry Vacume	Hr			\$	22.65	\$	-	
Wheeled Loader	Hr			\$	71.55	\$	-	
Dingo	Hr			\$	31.36	\$	-	
Pressure washer	Day			\$	75.00	\$	-	
Crane 60T	Day			\$	5,750.00	\$	-	
					Subtotal		\$	2,093.28
					OH&P		\$	209.33
					Total Equipment		\$	2,302.61

**Materials**

SOIL_USDA SANDY LOAM	CY		60.00	\$	36.50	\$	2,190.00	
PERMALOC MILL FINISH 4" CLEANLINE	LF		640.00	\$	5.85	\$	3,744.00	

**EXCLUSIONS**

SITE DRAINAGE				\$	-	\$	-	
SUBGRADE				\$	-	\$	-	
GEOTEXTILES				\$	-	\$	-	
THIRD PARTY TESTING				\$	-	\$	-	
DENSE GRADE DISPOSAL				\$	-	\$	-	
					Subtotal		\$	5,934.00
					OH&P		\$	593.40
					Total Material		\$	6,527.40

**Total Extra Work \$ 25,916**

**SECTION 01 30 01**  
**REQUEST FOR INTERPRETATION FORM**  
**CONSENTINO MIDDLE SCHOOL - #21-0818**

<b>TO:</b> Dore & Whittier Architects Inc. 260 Merrimac St., Bldg.7 Newburyport, MA 01950	<b>FROM:</b> Brait Builders	<b>RFI #:</b> RFI - 285
<b>Attn:</b> Tara King	<b>Reply Requested by:</b> Jake McDonough	<b>Issue Date:</b> 10/21/25
<b>RFI DESCRIPTION</b> (Indicate origin of RFI, and summarize the question or type of information required):  Please confirm shaping loam per attached photo is acceptable at perimeter wall step downs. Final condition will also include aluminum edging between SOD and dense grade gravel		
<b>REFERENCES</b> (List relevant Drawings or Specification sections and paragraphs):  		
<b>SENDER'S RECOMMENDATION</b> (All RFIs must include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without a sender's recommended solution or where response is evident in Drawings.)  		
<b>DESIGNER'S RESPONSE:</b>  		

See attached sketch - contractor to provide a minimum of 4" of top soil and a slope of 4:1 wherever possible.

Tara King

