

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. **15**

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 **7/18/2025**
57 Rockwood Road Contract Date: **4/1/2024**
Marshfield, MA 02050

Attention: **TJ Dahill**

See attached list of 4 item(s) for a total of **\$620,495.25**

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 **\$624,723.56**

The Contract Sum prior to this Change Order was **\$114,374,723.56**

The Contract Sum will be **INCREASED** by this Change Order **\$ 620,495.25**

The new Contract Sum including this Change Order will be..... **\$114,995,218.81**

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:  Digitally signed by Donald M Walter
DN: c=US,
 E=dwalter@doreandwhittier.com,
 O="Dore + Whittier", CN=Donald M
 Walter
 Date: 2025.09.29 09:47:40-04'00'

BY: _____
 Date: _____

Name: TJ Dahill 
 Title: Project Manager _____
 Date: **September 29, 2025**

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

CCD / PR / PCO #	Description	Amount
PCO 99	Synthetic Lawn Details	\$ 18,849.60
PCO 111 R2	South Field PR-67	\$ 532,568.67
PCO 116	NGrid Modifications to PV per ISA	\$ 5,023.68
PCO 117 R1	Unanticipated Performance of Existing Soil	\$ 64,053.30
Total		\$ 620,495.25

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: **Synthetic Lawn Details**

PCO Issue Date: **2025.06.26**
 PCO Reviewed: **2025.07.17**
2025-09-15 revised response

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	
Design		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	D+W has reviewed the attached PCO and recommends approval at this time
			Site/Civil:		
			Traffic:		
			Geotechnical:		
X			Landscape:	Terraink	See comments on attached cover sheet
			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
 Michele Barbaro-Rogers
Digitally signed by Michele Barbaro-Rogers
 DN: C=US,
 E=mrogers@doreandwhittier.com,
 O=Michele Barbaro-Rogers
 Reason: Have reviewed this document
 Date: 2025.09.15 10:13:03-04'00'

X	Design Team Recommends Approval
	Design Team Does Not Recommend Approval at this time

Brait Builders Corp.57 Rockwood Road
Suite 3
Marshfield, MA 02050Phone: (781) 837-6400
Fax: (781) 837-6153**PROPOSED CHANGE ORDER****No. CMS-099****TITLE:** PR-62 Synthetic Lawn Details**DATE:** 06/26/2025**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-62 Synthetic Lawn Details. No price change for synthetic turf change related to PR-62.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	Atlantic Sports CO-1	1	LS	\$17,600.00		\$0.00	\$17,600.00
2	Brait - OH&P - 5%	0	%	\$17,600.00		\$0.00	\$880.00
3	Brait - Bond - 2%	0	%	\$18,480.00		\$0.00	\$369.60

Lump Sum: \$18,849.60**Total:** \$18,849.60**Dore & Whittier****By:** See cover page attached**Date:** _____**City of Haverhill****By:** _____**Date:** 9/25/25**Brait Builders****By:** T.J. Dahill

T.J. Dahill

Date: 6-26-25**Owners Project Manager****By:** _____**Date:** 9/18/2025



June 23, 2025

**JOB: A24-163 Consentino Middle School
Change Order #: 01**



Jake McDonough
Brait Builders
Consentino Middle School

RE: Padding Change

See below change to the scope of work for the project listed above based on the request from the owner/architect.

Scope of Work:

- ❖ **1. Change to padding product from Brock SP17 Padding (17mm thickness) for Brock Powerbase Play (50mm thickness).**

Change Order Deduct to Remove SP17 Pad: -\$13,300.00

Change Order Add to Include PowerBase Play: +\$30,900.00

TOTAL ADD: +\$17,600

APPROVAL SIGNATURE _____ Date _____

If you have any question, please call us @ 781-821-0112 or 781-206-6781

*John Sinkins,
Commercial Sales Manager*



PROPOSAL REQUEST

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Owner | <input type="checkbox"/> Civil | <input type="checkbox"/> FF&E |
| <input checked="" type="checkbox"/> Architect | <input checked="" 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	PR No.	62
Architect's Project No.	21-0818		
Owner:	City of Haverhill 4 Summer Street Haverhill, MA 01830	Architect:	DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950
To:	Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050	Contract Date	4/1/2024
		Issue Date:	5/15/2025
Attention:	TJ Dahill	Subject:	Synthetic Lawn Details

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 manufacturer request, revise as follows:

At Sheet L3.01, Planting – entry and courtyards, revise plan as shown on attached sketch **JD-108**.

At Sheet L4.02, Details – Site Paving and Curbs, revise detail 11 and 12 as shown on attached sheet.

At Sheet L4.05, Details – Site walls, Stairs, and Ramps, revise detail 5 as shown on attached sheet.

At Section 32 18 13, Synthetic Turf Surfacing for Landscape, revise as follows:

1.02.A.2. revise to read "Supplementary turf surfacing: shock pad." High use, interlocking and fall pad to be removed.

2.04, delete subparagraph A Interlocking Shock Pad in its entirety.

2.04, B, replace paragraph with the following:

B. Shock Pad for use with SynLawn SYNAugstin X47 in Courtyards:

1. Basis of Design: Subject to compliance with requirements, provide products by the following or approved equal:

2. Brock USA LLC, 3090 Sterline Circle, Boulder CO 80301; Telephone (303) 544-5800; Fax: 866-850-9421; Email: Sales @brockusa.com

3. Product: Brock PowerBase PLAY50

4. Product Number: PLB50

5. Pad Thickness: 1.97-inches (50 millimeters).

6. IPEMA Fall Height, ASTM F1292: 9.0 feet

7. Material Type: Expanded Polypropylene

8. Vertical Permeability: >250 inches per hour.

9. Product format: Edge locking panels.
 10. Size: approximately 59.8 inches by 40.7 inches (1520 millimeters by 1030 millimeters)
 11. Area: Net coverage per panel 16.89 square feet (1.57 square meters)
 12. Panel Weight: approximately four pounds per panel.
-

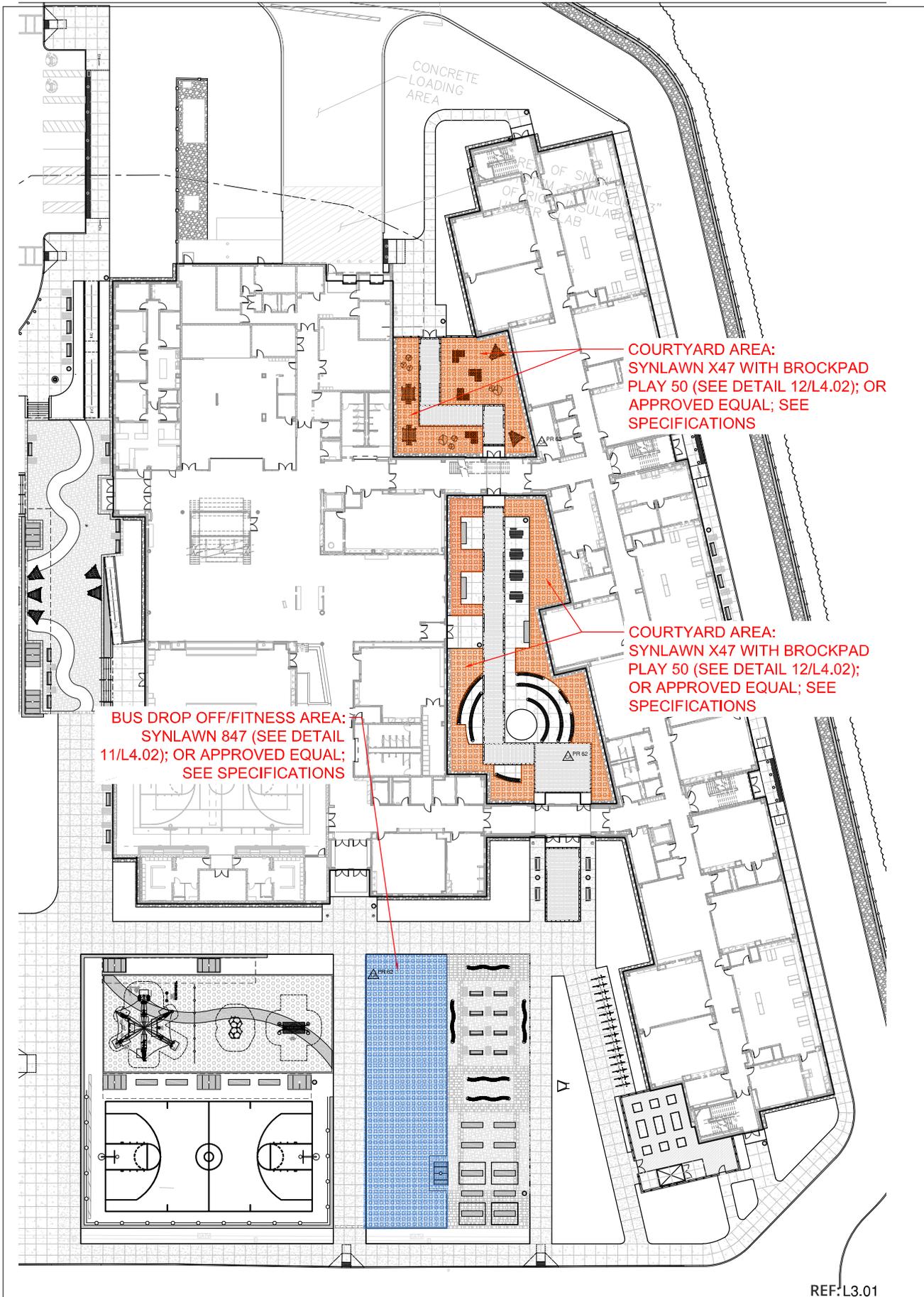
JD-108, L4.02, L4.05

Issued by

DORE + WHITTIER

Tara King

Copy: File, terraink



BUS DROP OFF/FITNESS AREA:
SYNLAWN 847 (SEE DETAIL
11/L4.02); OR APPROVED EQUAL;
SEE SPECIFICATIONS

COURTYARD AREA:
SYNLAWN X47 WITH BROCKPAD
PLAY 50 (SEE DETAIL 12/L4.02); OR
APPROVED EQUAL; SEE
SPECIFICATIONS

COURTYARD AREA:
SYNLAWN X47 WITH BROCKPAD
PLAY 50 (SEE DETAIL 12/L4.02); OR
APPROVED EQUAL; SEE
SPECIFICATIONS

REF: L3.01

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CONSENTINO MIDDLE SCHOOL
685 WASHINGTON STREET
HAVERHILL, MA

Project No.
21-0818



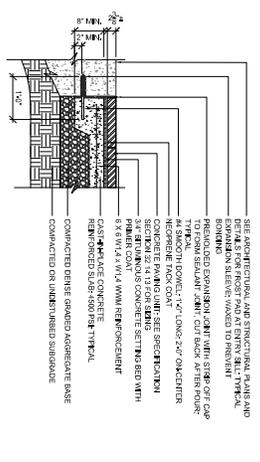
Burlington, VT 05401
(802) 863-1428
Newburyport MA 01950
(978) 499-2999
doreandwhittier.com

Date
05.15.2025
Scale
1" = 40'-0"

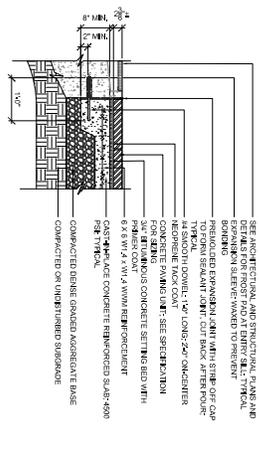
Sheet Title

ENTRY AND COURTYARDS

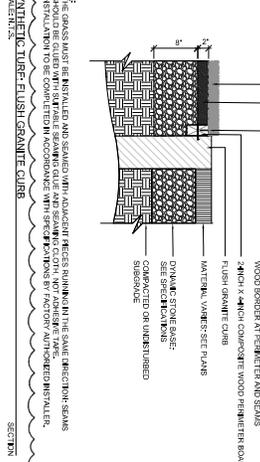
JD-
108



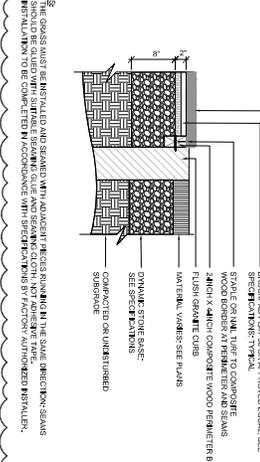
9 CONCRETE FROST PAD AT PAVERS
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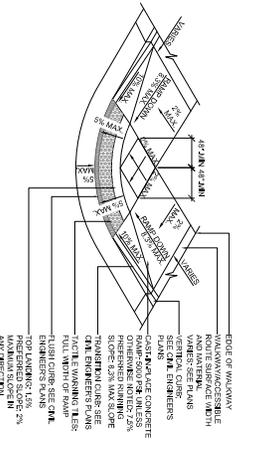
10 GATE FROST PAD AT PAVERS
SCALE: 1/4\"/>



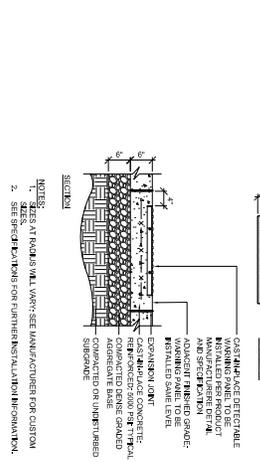
11 SYNTHETIC TURF FLUSH GRANITE CURB
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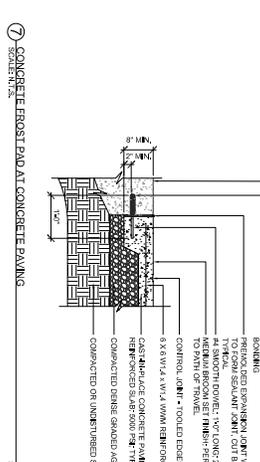
12 SYNTHETIC TURF SHOCK PAD FLUSH GRANITE CURB
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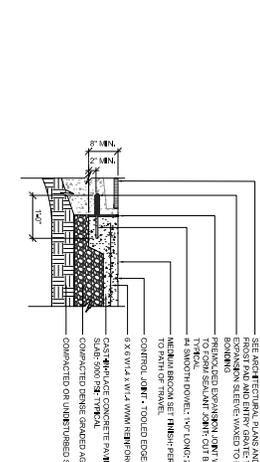
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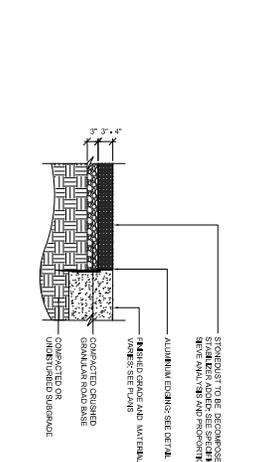
14 DETECTABLE WARNING STRIP
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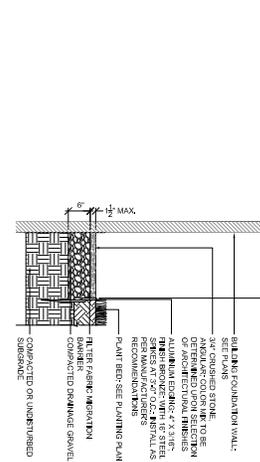
15 CONCRETE FROST PAD AT CONCRETE PAVING
SCALE: 1/4\"/>



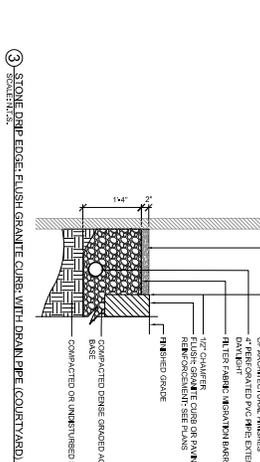
16 GATE FROST PAD AT CONCRETE PAVING
SCALE: 1/4\"/>



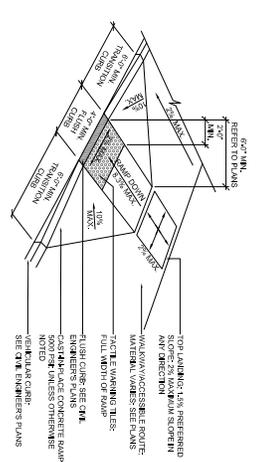
17 STABLE BED STONEDUST-PEDESTRIAN
SCALE: 1/4\"/>



18 STONE DRIP EDGE-ALUMINUM EDGE-WITHOUT DRAIN PIPE
SCALE: 1/4\"/>



19 STONE DRIP EDGE-FLUSH GRANITE CURB-WITH DRAIN PIPE-COURTYARD
SCALE: 1/4\"/>



20 CURB CUT RAMP-PERPENDICULAR WITH FLARED SIDES
SCALE: 1/4\"/>

DW
DORR + WHITTIER
ARCHITECTS
201 BENTLEY STREET
HAVERHILL, MA 01830
PHONE: 978.375.1100
WWW.DWARCHITECTS.COM

CONSENTINO
MIDDLE SCHOOL
687 WASHINGTON STREET
HAVERHILL, MA

PROJECT NUMBER: 21-0818
DATE OF REVISION: 04.26.2024

NO.	DATE	DESCRIPTION
1	04.26.2024	ISSUED FOR PERMIT

SCALE: AS SHOWN
SCALE: 1/4\"/>

DETAILS - SITE PAVING AND CURBS
L4.02

SECTION 32 18 13 SYNTHETIC TURF SURFACING FOR LANDSCAPE

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following:
1. Synthetic turf surfacing, including artificial turf.
 2. Supplementary turf surfacing: ~~high-use, interlocking shock pad and fall pad.~~ (PR 62)
 3. Subbase preparation and placement of aggregate base course.
 4. Turf infill.
- B. Related Information:
1. Section 04 43 00 "Stone Site Masonry" for installing nailer board to flush granite curbs.
 2. Section 31 20 00 "Earthmoving" for excavation for installing subbase.
 3. Section 32 13 13.13 "Concrete Paving (Site)" for installing nailer board into concrete paving.
 4. Section 33 46 00 "Subdrainage" for piping and drainage course serving as subbase for synthetic turf surfacing.

1.03 REFERENCES

- A. ASTM International (ASTM): www.astm.org:
1. ASTM D1335 - Test Method for Tuft Bind of Pile Yarn Floor Coverings.
 2. ASTM D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials.
 3. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
 4. ASTM F1292 - Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment.
 5. ASTM F1951 - Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.
- B. International Play Equipment Manufacturers Association (IPEMA): www.ipema.org:

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Conference: Conduct conference at Project site following award of contract. Review methods and procedures related to synthetic turf surfacing installation including, but not limited to, the following:
1. Review survey of subbase conditions.
 2. Review delivery, storage, and handling procedures.

1.05 ACTION SUBMITTALS

- A. Refer to Section 01 30 00 "Administrative Requirements" for submittal definitions, requirements, and procedures. The following paragraphs supplement the requirements of Section 01 30 00.
- B. Product Data: For each type of product specified.
- C. LEED Submittals:
1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of post-consumer and pre-consumer recycled content. Include statement indicating cost for each product having recycled content.
 2. Regional Material and Resources for Credit MR 5: Indicate products that are extracted, processed and manufactured regionally, within 500 miles of the project site.
 3. Heat Island Effect (Sustainable Sites SS&.1): Indicate light colors that reduce the impact of heat island effect (Thermal Gradient).
 4. Forest Stewardship Council (FSC) certification.

- D. Shop Drawings: Provide installation details including roll and seaming layout, methods of attachment and details at penetrations and terminations
 - 1. Show layout of marking plan if any, indicating details for specified activity areas.
- E. Samples: For each type of synthetic turf surfacing indicated.
 - 1. Minimum 12-by-12-inch- square sample of synthetic turf surface with tufted perimeter line and carpet seam.

1.06 **INFORMATIONAL SUBMITTALS**

- A. Qualification Data: For Installer.
- B. Installation Schedule: Showing planned commencement and completion dates for each portion of the Work; include critical dates indicated on Owner's project schedule.
- C. Warranty: Sample warranty specified in this Section.

1.07 **MAINTENANCE MATERIAL SUBMITTALS**

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Seaming Materials: Sufficient quantity for 100 sq. ft.
 - 2. Synthetic Turf Fiber: Sufficient quantity for 100 sq. ft.
 - 3. Infill Material: Sufficient quantity for 100 sq. ft., in weatherproof bags.

1.08 **QUALITY ASSURANCE**

- A. Manufacturer Qualifications: A firm experienced in manufacturing synthetic turf surfacing materials similar to those specified for this project, with a record of successful service for a minimum of 5 years.
- B. Installer Qualifications: An experienced Installer certified by the manufacturer, employing workers trained and approved by manufacturer.
- C. Source Limitations: Obtain synthetic turf surfacing materials through one source from a single manufacturer.
 - 1. Provide secondary materials including adhesives, paint, thread, and repair materials of type and from source recommended by manufacturer of synthetic turf surfacing materials.

1.09 **PROJECT CONDITIONS**

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit synthetic turf surfacing installation to be performed according to manufacturers' written instructions and warranty requirements.

1.010 **COORDINATION**

- A. Coordinate installation of synthetic turf surfacing's with installation of site paving, playground equipment, adjacent lawns, landscaping materials, site lighting, and related work.

1.011 **WARRANTY**

- A. Manufacturer's Warranty: Submit manufacturer's standard published limited warranty form in which manufacturer agrees to repair or replace components of synthetic turf surfacing installation installed by manufacturer-certified Installer that fail in materials under normal use and maintenance, or provide other relief, within specified warranty period.
 - 1. Failures include ultraviolet degradation, backing integrity, more than 50 percent loss of face fiber, and loss of tuft bind strength.
 - 2. Warranty Period: Life of product or approved equal.
- B. Installer Project Warranty: Submit synthetic turf surfacing Installer's warranty, signed by Installer, covering the Work of this Section, including installation of all components of synthetic turf surfacing system, for the following warranty period:
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following, or approved equal:
 - 1. SYNLawN®; 2680 Abutment Road SE, Dalton, GA 30721. Telephone: 706.227.1128. Website: www.synlawn.com; Massachusetts Representative; 5 Fulton Street #100; Canton, MA 02021 Telephone: 781.821.0112; Website: www.newenglandturfstore.com.
 - 2. ForeverLawn; 8007 Beeson Street, Louisville, OH 44641; Telephone: 866.922.7876; Fax: 330.249.2170; Website: www.foreverlawn.com.
 - 3. Ideal Turf Solutions; 281 Middlesex Avenue, Medford, MA 02155; Telephone: 781.866.6161; E-mail: infoturfsolutions@gmail.com; Website: www.idealurfsolutions.com.
- B. Any manufacturer's names and/or model numbers identified herein are intended to assist in establishing a general level of quality, configuration, functionality, and appearance required. This is not a proprietary specification, and it should be noted that "or equivalent" applies to all products denoted herein. It is understood that all manufacturers will have minor variations in configuration, appearance, and product specifications and such minor variations will not eliminate such manufacturers as an equivalent. It is the intent of this specification to encourage open and competitive involvement from multiple manufacturers that can supply similar products.
- C. Other manufacturer's products accepted by the Awarding Authority as equal to the specified products in terms of construction, quality, durability, performance, and or appearance. Submit as substitutions: see Section 01 25 00 "Substitution Procedures".
- D. Source Limitations: Obtain synthetic turf surfacing materials through one source from a single manufacturer.
 - 1. Provide secondary materials including adhesives, paint, thread, and repair materials of type and from source recommended by manufacturer of synthetic turf surfacing materials.

2.02 PERFORMANCE REQUIREMENTS

- A. Certification: Provide synthetic turf surfacing system with safety performance testing certified by IPEMA.
- B. Shock Attenuation Value: Provide synthetic turf system with G-max value not exceeding 200 and Head Injury Criteria (HIC) not exceeding 1,000 in accordance with ASTM F 1292, based upon application and fall heights indicated on Drawings.
- C. Fire-Test-Response Characteristics: Provide products with the critical radiant flux classification indicated in Part 2, as determined by testing identical products per ASTM E648 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.
- D. Accessibility Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC A117.1 for recreation surfaces.
 - 1. Provide synthetic turf system meeting requirements of ASTM F1951.

2.03 SYNTHETIC TURF SURFACING

- A. Product Basis-of-Design: Synthetic Turf Passive Use Surfacing: Complete surfacing system, consisting of delustered UV-stabilized antimicrobial synthetic yarns bound to water-permeable bio-based primary and secondary backing. IPEMA-certified. Non-abrasive blades with low surface temperature. Anti-Static and Ultraviolet reflective pigment enhanced.
 - 1. Basis of Design Product: SYNLawN SYNAugustine X47 in Courtyards.
 - 2. Artificial Turf Fiber and Construction Characteristics:
 - a. Yarn, Turf Zone: Polyethylene; soft omega shape.
 - 1) Color: Field green/Olive/Apple.
 - 2) Denier, ASTM D1577: 9900/9.
 - 3) Antimicrobial Protection: Sanitized
 - 4) Antistatic Protection: StatBlock

- 5) IR Reflective: DualChill
 - b. Yarn, Thatch Zone: Polyethylene.
 - 1) Color: Field green/Beige.
 - 2) Denier: 5000/8.
 - c. Finished Pile Height, ASTM D5823: 1-5/8 inch.
 - d. Finished Pile Weight, ASTM D5848: 100 oz/sq. yd.
 - e. Tuft Machine Gauge: 3/8 inch.
 - f. Backing, Secondary: 22 oz. urethane.
 - 1) Enviroloc+™
 - (a) Anti Fungi and Anti Algae blended into secondary backing.
 - g. Total Weight: 128 oz./sq. yd.
 - h. Infill: Silica sand ballast.
 - i. Temperature-Reducing Infill: Silica sand and moisture-retaining coated sand ballast.
3. Performance Characteristics:
- a. Tuft Bind, ASTM D1335: Not less than 8 lb.
 - b. Grab tear strength, ASTM D5034: Not less than 200 lbf.
 - c. Elongation to break, ASTM D2256: Not less than 30 percent.
 - d. Yarn breaking strength, ASTM D5793: Not less than 20 lb.
 - e. Flammability, ASTM D2859: Pass
 - f. Fire Test Exposure, ASTM E108: Class A
 - g. Heavy Metal Analysis, EN71-3
- B. Product Basis-of-Design: Synthetic Turf Active Use Surfacing: Complete surfacing system, consisting of delustered UV-stabilized antimicrobial synthetic yarns bound to water-permeable bio-based primary and secondary backing. IPEMA-certified. Non-abrasive blades with low surface temperature. Anti-Static and Ultraviolet reflective pigment-enhanced.
1. Basis of Design Product: SYNLawN SYNAugustine 847 at Bus Drop Off.
2. Artificial Turf Fiber and Construction Characteristics:
- a. Yarn, Turf Zone: Polyethylene; soft omega shape.
 - 1) Color: Field green/Olive/Apple.
 - 2) Denier, ASTM D1577: 9900/9.
 - 3) Antimicrobial Protection: Sanitized
 - 4) Antistatic Protection: StatBlock
 - 5) IR Reflective: DualChill
 - b. Yarn, Thatch Zone: Polyethylene.
 - 1) Color: Field green/Beige.
 - 2) Denier: 5000/8.
 - c. Finished Pile Height, ASTM D5823: 1-1/4 inch.
 - d. Finished Pile Weight, ASTM D5848: 80 oz/sq. yd.
 - e. Tuft Machine Gauge: 3/8 inch.
 - f. Backing, Secondary: 22 oz. urethane.
 - 1) Enviroloc+™
 - (a) Anti Fungi and Anti Algae blended into secondary backing.
 - g. Total Weight: 108 oz./sq. yd.
 - h. Infill: Silica sand ballast.
 - i. Temperature-Reducing Infill: Silica sand and moisture-retaining coated sand ballast.
3. Performance Characteristics:
- a. Tuft Bind, ASTM D1335: Not less than 8 lb.
 - b. Grab tear strength, ASTM D5034: Not less than 200 lbf.
 - c. Elongation to break, ASTM D2256: Not less than 30 percent.
 - d. Yarn breaking strength, ASTM D5793: Not less than 20 lb.
 - e. Flammability, ASTM D2859: Pass

- f. Fire Test Exposure, ASTM E108: Class A
- g. Heavy Metal Analysis, EN71-3

2.04 **SUPPLEMENTARY TURF SURFACING MATERIALS**

- A. ~~Interlocking Shock Pad: Expanded polypropylene composite containing approximately 30 percent by volume reprocessed pre-consumer and/or post-consumer recycled material.~~
 - 1. ~~Basis of Design Product: Brock USA LLC, ShockPad 17 interlocking panel or approved equal for use with SYNLawN SYNAugustine X47 in Courtyards.~~
 - 2. ~~Pad Thickness: .67 inch (17mm).~~
 - 3. ~~IPEMA Fall Height, ASTM F3146-18: Less than 1,000 from greater than .6 meter drop height.~~
 - 4. ~~Rainfall Capacity, ASTM F1551: Not less than 500 inches per hour. (PR 62)~~
- B. **Shock Pad for use with SynLawn SYNAugustine X47 in Courtyards:**
 - 1. **Basis of Design: Subject to compliance with requirements, provide products by the following, or approved equal:**
 - 2. **Brock USA LLC; 3090 Sterling Circle, Boulder, CO 80301; Telephone: (303) 544-5800; Fax: 866-850-9421; E-mail: sales@brockusa.com**
 - 3. **Product: Brock PowerBase PLAY50**
 - 4. **Product Number: PLB50**
 - 5. **Pad Thickness: 1.97-inches (50 millimeters).**
 - 6. **IPEMA Fall Height, ASTM F1292: 9.0 feet**
 - 7. **Material Type: Expanded Polypropylene.**
 - 8. **Vertical Permeability: >250 inches per hour.**
 - 9. **Product format: Edge locking panels.**
 - 10. **Size: approximately 59.8 inches by 40.7 inches (1520 millimeters by 1030 millimeters) overall dimensions**
 - 11. **Area: Net coverage per panel 16.89 square feet (1.57 square meters)**
 - 12. **Panel Weight: approximately four pounds per panel. (PR 62)**
- C. Turf Spikes: Manufacturer's approved fasteners.
- D. Nailer Board: Manufacturer's approved nailer/edger board.
- E. Curbing: Profile and extent as indicated on Drawings. Refer to Section 32 13 13.13 "Concrete Paving" and/or Section 04 43 00 "Stone Site Masonry."

2.05 **MATERIALS**

- A. Infill Material: Silica sand in manufacturer's recommended formula for application to synthetic turf surfacing.
 - 1. Basis-of-Design Product: SYNLawN, Envirofill.
 - a. Color: Green.
- B. Glue, Seaming Fabric, and Thread: As recommended by manufacturer for application.
- C. Aggregate Base: Refer to Section 31 20 00 "Earthmoving."
- D. Aggregate Base Course: Sound crushed graded stone or gravel complying with ASTM D 448 for Size No. 8 and ASTM D 448 for Size No. 57.

PART 3 EXECUTION

3.01 **EXAMINATION**

- A. Examine synthetic turf surfacing base and perimeter conditions, with Installer present, for compliance with requirements for installation tolerances, and other conditions affecting performance of the Work.
 - 1. Verify substrate meets profile required.
 - 2. Confirm base material, compaction of substrate, permeability, and drainage system installation meets requirements.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 **SUBBASE PREPARATION**

- A. Refer to section 31 20 00 "Earthmoving" for requirements for preparing subbase for Work of this Section.
- B. General: Prepare substrates to receive surfacing products according to synthetic turf surfacing manufacturer's written instructions. Verify that substrates are sound and without high spots, ridges, holes, and depressions. Remove organic debris. Grade soil subgrade level and compact.
- C. Finish grade soil subgrade with slope between 0.5 percent and 1.0 percent toward path of site drainage.
 - 1. Compact subgrade in both directions with mechanical compacting equipment to achieve specified compaction at 90 percent standard Proctor.
 - 2. Prepare subgrade to tolerance of within 0.5 inch of design grade.
 - 3. Prepare subgrade within 0.25 inch in 10 feet in any direction from design grade over entire playing surface.

3.03 **AGGREGATE COURSE INSTALLATION**

- A. Refer to 31 20 00 "Earthmoving" for requirements for preparing aggregate course for Work of this Section.
- B. Place aggregate base course, compact by tamping with plate vibrator to 90 percent of ASTM D 1557 maximum laboratory density, and screed to depth indicated. Install 4-inch base course unless otherwise indicated.
 - 1. Slope base course between 0.5 percent and 1.0 percent, measured from the longitudinal center of the installation towards the edges. Grade base course to tolerance of within 0.5 inch of design grade, and with a maximum variation of 0.25 inch in 10 feet in any direction.
- C. Install curbing and perimeter boards as indicated on approved submittals.

3.04 **SYNTHETIC TURF INSTALLATION**

- A. General: Comply with synthetic turf surfacing manufacturer's written installation instructions. Install synthetic turf surfacing over area and in thickness indicated.
- B. Shock Pad: Place shock pads tightly abutted over area to receive synthetic turf surfacing. Tape seams with pad seam tape to secure pads in position prior to installing synthetic turf.
- C. Artificial Turf: Loose-lay artificial turf and allow fabric to relax for period recommended by manufacturer. Stretch turf sheet and attach at perimeter and in field of turf in accordance with approved submittals.
- D. Seaming: Form seams flat and snug, with no gaps or fraying. Remove yarns that are trapped within seams. Form seams as recommended in synthetic turf manufacturer's written instructions using manufacturer's provided or recommended materials.
- E. Attachment: Attach turf fabric to perimeter restraint system as recommended by the manufacturer.

3.05 **INSTALLATION, INFILL**

- A. Mix and install infill material components in accordance with manufacturer's requirements for approved system. Groom material and leave surface ready for use.

3.06 **PROTECTION**

- A. Protect completed installation from damage. Prevent traffic over system prior to acceptance by Owner.

3.07 **DEMONSTRATION**

- A. Instruct Owner's personnel in proper inspection and maintenance of synthetic turf surfacing. Review manufacturer's recommended maintenance procedures and warranty terms and conditions.

END OF SECTION

PCO REVIEW FORM

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



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

Subject: **Silver Hill South Field PR-67** PCO Issue Date: **2025.09.03**
 PCO Reviewed: **2025.09.29**

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	
Design		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	D+W has reviewed the attached PCO and finds the fees to be fair and reasonable
X			Site/Civil:		
			Traffic:		
			Geotechnical:		
X			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
X			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers

Michele Barbaro-Rogers
Digitally signed by Michele Barbaro-Rogers
 DN: c=US, e=mrogers@doreandwhittier.com, cn=Michele Barbaro-Rogers
 Reason: I have reviewed this document
 Date: 2025.09.29 09:28:44-0400'

X	Design Team Recommends Approval
	Design Team Does Not 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-111R2

TITLE: PR-67 Silver Hill South Field

DATE: 09/03/2025

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-67 Silver Hill South Field - Revised

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	Davco Excavators - Remove & Store Loam	1	LS	\$194,000.00		\$0.00	\$194,000.00
2	Brightview - F&I SOD	1	LS	\$176,111.00		\$0.00	\$176,111.00
3	Winterberry - Irrigation	1	LS	\$99,625.00		\$0.00	\$99,625.00
4	Derenzo - OT & Irrigation Coordination	1	LS	\$30,027.00		\$0.00	\$30,027.00
5	Derenzo - Credit Loam Spread	1	LS	-\$10,000.00		\$0.00	-\$10,000.00
6	Electrical Allowance	1	LS	\$7,500.00		\$0.00	\$7,500.00
7	Brait - OH&P - 5%	0	%	\$497,263.00		\$0.00	\$24,863.15
8	Brait - Bond - 2%	0	%	\$522,126.15		\$0.00	\$10,442.52

Lump Sum: \$532,568.67

Total: \$532,568.67

Dore & Whittier

By: See cover page attached

Date: _____

City of Haverhill

By: _____

Date: 9/25/25

Brait Builders

By: T.J. Dahill

T.J. Dahill

Date: 09/03/25

Owners Project Manager

By: _____

Date: 9/25/2025

DAVCO EXCAVATORS

PROPOSAL

480 Boxford Rd
Bradford Ma, 01835
978-373-8888
jaydavco@verizon.net

08-02-2025

Brait Builders Corp.
57 Rockwood Rd. Suite 3
Marshfield Ma 02050
Attn T.J Dahill

Load, Transport, and store Loam pile located at the right of Silver Hill School in Haverhill Ma. Re deliver loam as needed next year

TOTAL COST \$194,000.00

Authorizing Signature

Date

ACCEPTANCE OF PROPOSAL the above prices, specifications, and conditions are satisfactory and are hereby accepted, You are authorizing to do the work as specified, Payments will be made as outlined above.

Authorizing Signature

Date



EXTRA WORK - COST SUMMARY

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

PART 1

Labor

Labor Foreman	Hr	ST	80.00	\$	153.85	\$	12,308.00	
Labor Foreman	Hr	OT		\$	201.61	\$	-	
Labor Foreman	Hr	PT		\$	-	\$	-	
Laborer	Hr	ST	480.00	\$	103.94	\$	49,891.20	
Laborer	Hr	OT		\$	139.14	\$	-	
Laborer	Hr	PT		\$	-	\$	-	
Operator	Hr	ST	160.00	\$	151.64	\$	24,262.40	
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	40.00	\$	175.00	\$	7,000.00	
					Subtotal		\$	93,461.60
					OH&P		\$	9,346.16
					Total Labor		\$	102,807.76

Equipment

Crew Truck	Hr			\$	18.54	\$	-	
Site Truck-10 Wheel	Hr			\$	115.00	\$	-	
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		120.00	\$	36.25	\$	4,350.00	
Dozer	Wk		40.00	\$	81.00	\$	3,240.00	
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		\$	7,590.00
					OH&P		\$	759.00
					Total Equipment		\$	8,349.00

Materials

Turf Type Tall Fescue	SF	44000.00	\$	0.48	\$	21,120.00	
FUEL CHARGE_SODCO	LS	1.00	\$	864.00	\$	864.00	
Soil_USDA SANDY LOAM	CY	960.00	\$	36.50	\$	35,040.00	
SOD Pallets	EA	81.00	\$	25.00	\$	2,025.00	

EXCLUSIONS

SITE DRAINAGE				\$	-	\$	-	
SUBGRADE				\$	-	\$	-	
GEOTEXTILES				\$	-	\$	-	
THIRD PARTY TESTING				\$	-	\$	-	
					Subtotal		\$	59,049.00
					OH&P		\$	5,904.90
					Total Material		\$	64,953.90

Total Extra Work \$ 176,111.00



DATE: August 21, 2025

Proposal Submitted to:	Location:
T.J. Dahill Brait Builders Corporation 57 Rockwood Road, Suite 3 Marshfield, MA 02050 tdahill@braitbuilders.com	Consentino Middle School South Field Irrigation 685 Washington Street Haverill, MA 01832

Estimate for work to be performed for above project:

IRRIGATION SYSTEM: ALL MATERIAL, EQUIPMENT AND LABOR

The following proposal is for a new irrigation system at **Consentino Middle School - South Field**. The design is based on the South Field Layout and Grading Plan – C8.03 - dated April 26, 2024.

Backflow, pump, cutting the driveway and asphalt replacement are included in the price. It is assumed that there is a stub for irrigation in the plumbing room.

All 120V or higher electrical connections are to be completed by others. Pricing does not include these costs.

Pricing is based on Prevailing Wages.

Irrigation System	\$89,625.00
Pump	\$10,000.00
Total Price	\$99,625.00 (Tax not Included)
<i>Ninety-Nine Thousand Six Hundred Twenty-Five Dollars and Zero Cents</i>	

Jeremy Smith
Winterberry Irrigation / Commercial Estimator
860.378.0071 Ext 157 Cell 860.2502683

Thank you for allowing us the opportunity to submit this proposal. Quotation is good for 10 days. If pricing meets with satisfaction, please sign and return to our office as a Notice to Proceed. Tax, if applicable, will be included in final invoice. Should you have any questions or concerns, please feel free to contact us.

Authorized Signature

Date

Printed Name and Title

PO# (If Applicable)

Thank you for allowing us the opportunity to submit this proposal.

Chris Daigle, Principal

CT License J3 #279958, HIC # 0620934

Winterberry Irrigation, LLC, SBE is an AA/EEO Employer

Winterberry Irrigation, LLC reserves the right to price and be compensated for additional work not specifically listed herein by error or omission.



J. DERENZO COMPANY



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

August 8, 2025

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

Attn: **T.J. Dahill**
Project: **Consentino MS- Haverhill, MA**
Re: **PCO #13- Accelerate South Field**

Dear TJ,

J. Derenzo Company is pleased to provide this cost proposal for the added cost associated with working 6 Saturdays and working around the irrigation sub.

Subtotal- \$29,730.00
1% Bond- \$297.00

The Total Add is \$38,027.00

Please do not hesitate to contact me if you have any questions.

Respectfully,
J. DERENZO CO.

Bradd Biagini

Bradd Biagini
Project Manager

AS SHOWN

Item:	1	Unit of Measure:	LS
Description:	SOUTH FIELD OT- 6 Saturdays	Bid Quantity:	1.00
Cost Code:		Take-off Quantity:	1.000
Production:	DAYS	Total Man-Hours:	240.00
Hours per Day:	8	Man-Hours per Unit:	240.0000
Alternate:		Units / MH:	0.0042

Item Production

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
1	SOUTH FIELD OT- 6 Saturdays	LS	1.00	0.17 (D)	6.00

Cost Detail for Item 1

R Code	Description	QTY	U/M	Factor	Rate	Cost
L WRITEIN	Foreman OT	6.00	DAY	1.00	302.08	1,812.48
L WRITEIN	Laborer OT	12.00	DAY	1.00	258.88	3,106.56
L WRITEIN	Operator OT	12.00	DAY	1.00	330.40	3,964.80
Item Unit Cost:		8,883.84	Item Total Cost:		8,883.84	

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	8,883.84	0.00	0.00	0.00	0.00	0.00
Unit:	8,883.84	0.00	0.00	0.00	0.00	0.00

Bid Data for Item: 1

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	1.00	8,883.84	8,883.84	8,883.84	0.00	
Take-off Qty:	1.00	8,883.84	8,883.84	8,883.84	0.00	0.00

**PROJECT : HAVERHILL MS- FIELD OT ITEM SHEET COSTS
AS SHOWN**

Date : 8/8/2025 5:00:15PM

Item:	2	Unit of Measure:	DAYS
Description:	Support Irrigation Operation	Bid Quantity:	4.00
Cost Code:		Take-off Quantity:	4.000
Production:	DAYS	Total Man-Hours:	96.00
Hours per Day:	8	Man-Hours per Unit:	24.0000
Alternate:		Units / MH:	0.0417

Item Production

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
2	Support Irrigation Operation	DAYS	4.00	1.00 (D)	4.00

Cost Detail for Item 2

R Code	Description	QTY	U/M	Factor	Rate	Cost
L FOREMAN	Foreman	1.00		4.00	1,311.52	5,246.08
L LABORER	Laborer	2.00		4.00	804.56	6,436.48
E LDR-972	CAT 972 Loader w/Operator	1.00		4.00	2,290.96	9,163.84
Item Unit Cost:		5,211.60			Item Total Cost:	20,846.40

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	11,682.56	9,163.84	0.00	0.00	0.00	0.00
Unit:	2,920.64	2,290.96	0.00	0.00	0.00	0.00

Bid Data for Item: 2

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	4.00	5,211.60	20,846.40	20,846.40	0.00	
Take-off Qty:	4.00	5,211.60	20,846.40	20,846.40	0.00	0.00

PCO REVIEW FORM



Project Name: **Haverhill Consentino Middle School** PCO No. **116**

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

Subject: **NGrid Modifications PV per ISA** PCO Issue Date: **2025.09.09**
 PCO Reviewed: **2025.09.16**

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	D+W has reviewed the attached PCO and finds the fees to be fair and reasonable
			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
 Michele Barbaro-Rogers
 Digitally signed by Michele Barbaro-Rogers
 DN: c=US, E=mrogers@doreandwhittier.com, CN=Michele Barbaro-Rogers
 Reason: I have reviewed this document
 Date: 2025.09.16 09:57:34 -0400

X	Design Team Recommends Approval
	Design Team Does Not 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-116

TITLE: NGrid Modifications to PV per ISA

DATE: 09/09/2025

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 NGrid Modifications to PV per ISA.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	WJGE Proposal #53	1	LS	\$4,690.64		\$0.00	\$4,690.64
2	Brait - OH&P - 5%	0	%	\$4,690.64		\$0.00	\$234.53
3	Brait - Bond - 2%	0	%	\$4,925.17		\$0.00	\$98.50

Lump Sum: \$5,023.68

Total: \$5,023.68

Dore & Whittier

By: See cover page attached

Date: _____

City of Haverhill

By: [Signature]

Date: 9/25/25

Brait Builders

By: [Signature]

T.J. Dahill

Date: 9/24/25

Owners Project Manager

By: [Signature]

Date: 9/25/2025



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

September 8, 2025

VIA EMAIL ONLY: 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 #53

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:

WJGEI is providing their cost proposal for the added as set out below.

Following the application and approval process of the PV System connection to the Utility, NGRID have requested that the Meters be changed for the PV System and the Main Utility Meter.

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

Total \$ 4,690.64

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. 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.

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 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.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Richard Tredgett
Project Manager

RT/jmr

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
Jake McDonough, Assistant Project Manager, Brait Builders Corporation,
jmcdonough@braitbuilders.com
Steve Quealy, Superintendent, Brait Builders Corporation, 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.



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

CCN#: P-0053, CP - Added PV Metring NGRID Requir
Date: 9/4/2025
Project Name: Consentino Middle School
Project Number: 02949-00-24
Page Number: 1

Work Description

Wayne J Griffin Electric are providing their cost proposal for the added as set out below .

*Following the application and approval process of the PV System connection to the Utility, NGRID have requested that the Meters be changed for the PV System and the Main Utility Meter.

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 - SOLAR DESIGN	1.00	4,243.0000		4,243.000	0.0000	0.000
				4,243.00		0.00
				0.00		
				4,243.00		

Summary

	Itemized Breakdown Total			4,243.00		
Overhead & Profit	(\$4,243.00 @ 10.00%)			424.30		
				424.30		
Bond	(\$4,667.30 @ 0.50%)			23.34		
				23.34		
						447.64
	Total					\$4,690.64



Contract Change Order # 1: CO#1 of 1, Cost, Utility Upgrade & Mod Change
Contract Change Order Date: 08/25/2025

Owner: Griffin Electric Inc. 116 Hopping Brook Rd Holliston, MA 01746	Contractor: ReVision Energy Inc. 758 Westbrook St. South Portland, ME 04106
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Owner and Contractor (**"Parties"**) entered into a certain Engineering, Procurement, and Construction Agreement dated 9/6/2024 (**"Contract"**) providing for the installation of a solar pv project at 685 Washington St Haverhill, MA 01832.

The installation inclusive of the following major components:

Type	Quantity
Silfab SIL-520 XM	
SOLAREEDGE SE80KUS (480V)	1
SOLAREEDGE SE100KUS (480V)	1
Ecolibrium Ecofoot 2+	N/A
SolarEdge RGM; SolarEdge CCG	1

Change Order Description:

The Parties agree to revise the Work to provide for:

National Grid Upgrade:

- Utility to install one (1) building-mounted wireless, instrument-rated secondary meter and metering equipment
- Utility to replace one (1) existing meter with bidirectional meter.

ReVision to update Modules from SIL-520 to SIL-530 XM, *no cost*.

Accordingly, Contractor shall now provide all labor, materials, and equipment inclusive of the following major components:

Type	Quantity
Silfab SIL-530 XM	396
SOLAREEDGE SE100KUS (480V)	1
SOLAREEDGE SE80KUS (480V)	1
Ecolibrium Ecofoot 2+	N/A
SolarEdge RGM; SolarEdge CCG	1

The cost allowances as provided in the Contract are revised as follows:

Allowance Description	Original Allowances	Updated Allowances
Site Preparation		
Permitting Fees		
Utility Upgrade Costs	\$0.00	\$4,243.00
Utility Applications and Studies		

The Contract Sum is increased by the amount of:	\$4,243.00
--	-------------------

By signing below, the Parties agree that the said Contract is amended as set forth in this Contract Change Order. Except as agreed in this and other duly-executed Contract Change Orders, the terms and conditions of the Contract remain in full force and effect. Capitalized terms in this Contract Change Order that are not defined herein have the same meaning as set forth in the Contract.

IN WITNESS WHEREOF, the below duly-authorized representatives of the Parties have caused this Contract Change Order to be executed, delivered, and made effective.

Owner:
Griffin Electric Inc.

Contractor:
ReVision Energy Inc.

Signed: _____
Name:

Signed: _____
Name:

PCO REVIEW FORM

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



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

Subject: **Unanticipated Performance Existing Soil** PCO Issue Date: **2025.08.29**
 PCO Reviewed: **2025.09.29**

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	X
Design		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	D+W has reviewed the attached PCO and finds the fees to be fair and reasonable
X			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

Michele Barbaro-Rogers
Digitally signed by Michele Barbaro-Rogers
 DN: C=US, E=mrogers@doreandwhittier.com, O=Michele Barbaro-Rogers
 Reason: I have reviewed this document
 Date: 2025.09.29 09:35:06-04'00'

X	Design Team Recommends Approval
	Design Team Does Not 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-117R1

TITLE: Unanticipated Performance Exist. Soil

DATE: 08/29/2025

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 Unanticipated Performance Of Existing Soil Condition Sub Surf System #1

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	JDC PCO-14R1	1	LS	\$59,807.00		\$0.00	\$59,807.00
2	Brait - OH&P - 5%	0	%	\$59,807.00		\$0.00	\$2,990.35
3	Brait - Bond - 2%	0	%	\$62,797.35		\$0.00	\$1,255.95

Lump Sum: \$64,053.30

Total: \$64,053.30

Dore & Whittier

By: See cover page attached

Date: _____

City of Haverhill

By: _____

Date: 8/25/25

Brait Builders

By: T.J. Dahill

T.J. Dahill

Date: 8-29-25

Owners Project Manager

By: _____

Date: 9/25/2025

J. DERENZO COMPANY



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

August 26, 2025

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

Attn: **T.J. Dahill**
Project: **Consentino MS- Haverhill, MA**
Re: **PCO #14rev1- Add Rip Rap & Fabric Below Galley Detention System**

Dear TJ,

J. Derenzo Company is pleased to provide this cost proposal for the added cost associated with over-excavating 15" below galley system subgrade, installing fabric on subgrade, installing 12" of rip rap and placing 3" of $\frac{3}{4}$ " choke stone over the rip rap.

Subtotal- \$59,215.00
1% Bond- \$592.00

The **Total Add is \$59,807.00**

Please do not hesitate to contact me if you have any questions.

Respectfully,
J. DERENZO CO.

Bradd Biagini

Bradd Biagini
Project Manager

**PROJECT : HAVERHILL MS- RIP RAP ITEM SHEET COSTS
AS SHOWN**

Date : 8/26/2025 3:24:00PM

Item:	1	Unit of Measure:	SF
Description:	INSTALL FABRIC RIP RAP & CHOKE STONE	Bid Quantity:	7,800.00
Cost Code:		Take-off Quantity:	7,800.00
Production:	DAYS	Total Man-Hours:	72.00
Hours per Day:	8	Man-Hours per Unit:	0.0092
Alternate:		Units / MH:	108.3333

Item Production

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
1	INSTALL FABRIC RIP RAP & CHOKE S	SF	7,800.00	2,600.00 (D)	3.00

Cost Detail for Item 1

R Code	Description	QTY	U/M	Factor	Rate	Cost
L FOREMAN	Foreman	1.00		3.00	1,311.52	3,934.56
L LABORER	Laborer	2.00		3.00	804.56	4,827.36
E EXV-490	Komatsu PC-490 w/Operator	1.00		3.00	4,930.08	14,790.24
E LDR-972	CAT 972 Loader w/Operator	1.00		3.00	2,290.96	6,872.88
M MIRAFI140	Mirafi Fabric	4.00	ROLL	1.10	470.00	2,068.00
M RIP RAP	4" Rip Rap	490.00	TONS	1.10	28.50	15,361.50
M 3/4STONE	3/4" Crushed Stone	135.00	TONS	1.10	26.00	3,861.00
O SOIL	Soil Disposal as CLEAN	625.00	TONS	1.00	12.00	7,500.00
Item Unit Cost:		7.59	Item Total Cost:		59,215.54	

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	8,761.92	21,663.12	0.00	21,290.50	0.00	7,500.00
Unit:	1.12	2.78	0.00	2.73	0.00	0.96

Bid Data for Item: 1

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	7,800.00	7.59	59,215.54	59,215.54	0.00	
Take-off Qty:	7,800.00	7.59	59,215.54	59,215.54	0.00	0.00