

Hill International, Inc. 75 Second Ave., Suite 300 Needham, MA 02494 Tel: 617-778-0900 www.hillintl.com

September 5, 2023

Technical Review Committee Town of Concord 22 Monument Square Concord, MA 01742

Re: Concord Middle School PCO #002 – Unsuitable Material Part B Foundations

Dear TRC,

Hill International and SMMA have reviewed PCO #002, issued by CTA Construction Managers on August 9, 2023, for removal and replacement of unsuitable materials at the Part B foundations.

Hill recommends the Town of Concord approve PCO #002 for CTA to execute a change order with CC Construction (Site Work Subcontractor). PCO #002 will utilize \$31,023 from Construction Contingency (70-000).

Please feel free to contact me at 617-894-8511 if you have any questions concerning this recommendation.

Sincerely, Hill International

1 in km

Jonathan Teixeira Senior Project Manager

Cc: J. Soucy - SMMA I. Parks – Hill V. Miller - Hill File: [F7-05]





CTA Construction Managers 400 Totten Pond Road Waltham, 02451 Phone: (781) 786-6600 Project: 2023-02 - Concord Middle School 835 Old Marlboro Road Concord, 01742

Prime Contract Potential Change Order #002: CE #013 - Remove and replace Unsuitable Material at Building B Foundation excavation

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то:	Town of Concord	FROM:	CTA Construction Managers, LLC 400 Totten Pond Road, 2nd Floor Waltham Massachusetts, 02451
PCO NUMBER/REVISION:	002 / 0	CONTRACT:	1 - Concord Middle School Project
REQUEST RECEIVED FROM:		CREATED BY:	Matt Kaye (CTA Construction Managers, LLC)
STATUS:	Pending - In Review	CREATED DATE:	8/9 /2023
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:	0 days	PAID IN FULL:	No
		TOTAL AMOUNT:	\$31,023.00

POTENTIAL CHANGE ORDER TITLE: CE #013 - Remove and replace Unsuitable Material at Building B Foundation excavation

CHANGE REASON: Allowance

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

CE #013 - Remove and replace Unsuitable Material at Building B Foundation excavation

Costs associated with removal of 450 CY of unsuitable materials at Building b foundation excavation as tracked onsite and documented in attached Geo tech report dated 7.25.23

ATTACHMENTS:

PCO #001 - Remove and Replace unsuitables at building B.pdf_

#	Cost Code	Description	Туре	Amount
1		Per Unit Price #15 in Contract		\$ 31,023.00
			Subtotal:	\$31,023.00
			Grand Total:	\$31,023.00

CHANGE ORDER PROPOSAL

CHANGE ORDER

August 7, 2023

DESCRIPTION:

Removal and Disposal of unsatisfactory soil and replace with satifactory fill 450 CY - in building ${\sf B}$

1

EQUIPMENT:

HRS.	PC650 Excavator	@	\$ 475.00 HR.	\$	-
HRS.	PC490 Excavator	@	\$ 425.00 HR.	\$	-
HRS.	PC390 Excavator	@	\$ 290.00 HR.	\$	-
 HRS.	PC360 Excavator	@	\$ 290.00 HR.	\$	-
 HRS	PC290 Excavator	@	\$ 265.00 HR.	\$	-
 HRS	335 Excavator	@	\$ 275.00 HR.	\$	-
 HRS	PC300 Excavator	@	\$ 260.00 HR.	\$	-
 HRS.	PC228 Excavator	@	\$ 250.00 HR.	\$	-
 HRS.	PC170 Excavator	@	\$ 225.00 HR.	\$	-
 HRS.	PC160 Excavator	@	\$ 200.00 HR.	\$	-
 HRS.	PC138 Excavator	@	\$ 210.00 HR.	\$	-
 HRS.	PC88 Excavator	@	\$ 170.00 HR.	\$	-
 HRS.	ECR 305 Excavator	@	\$ 235.00 HR.	\$	-
 HRS.	303.5CR Excavator	@	\$ 150.00 HR.	\$	-
 HRS.	L180E Loader	@	\$ 250.00 HR.	\$	-
 HRS.	L120G Loader	@	\$ 265.00 HR.	\$	-
 HRS.	L110H Loader	@	\$ 260.00 HR.	\$	-
 HRS.	L90F Loader	@	\$ 250.00 HR.	\$	-
 HRS.	L70G Loader	@	\$ 230.00 HR.	\$	-
 HRS.	972M Loader	@	\$ 310.00 HR.	\$	-
 HRS.	906M Loader	@	\$ 175.00 HR.	\$	-
 HRS.	D6N Cat Bulldozer	@	\$ 275.00 HR.	\$	-
 HRS.	D8R Cat Bulldozer	@	\$ 375.00 HR.	\$	-
 HRS.	D6 Cat Bulldozer	@	\$ 275.00 HR.	\$	-
 HRS.	A25C Volvo Off Road Water Truck	@	\$ 200.00 HR.	\$	-
 HRS.	A30D Volvo Off Road Site Truck	@	\$ 210.00 HR.	\$	-
 HRS.	A35D Volvo Off Road Site Truck	@	\$ 225.00 HR.	\$	-
 HRS	15 Ton Dynapac Vibratory Roller	@	\$ 175.00 HR	\$	-
 HRS	Case Roller	@	\$ 175.00 HR	¥ \$	-
	Dynanac 8 Ton	@ @	\$ 150.00 HR	ΨΨ \$	-
	420E Cot Bookboo	@ @	\$ 130.00 TIX.	Ψ	
	420F Cat Dacking	@ @	\$ 175.00 HR.	φ •	-
		w @		Þ	-
 HRS.	259 Cat Skid Steer	<u>@</u>	\$ 150.00 HR.	\$	-
 HRS.	I V380 Case Skid Steer	@	\$ 135.00 HR.	\$	-
 HRS.	Volvo Street Water Truck	@	\$ 125.00 HR.	\$	-
 HRS.	10-Wheeler	@	\$ 110.00 HR.	\$	-
 HRS.	Tri-axle	@	\$ 125.00 HR.	\$	-
 HRS.	Dump Trailer	@	\$ 150.00 HR.	\$	-
 HRS.	Utility Truck	@	\$ 75.00 HR.	\$	-
	Miss numps equipment & read plates	@	\$ 250.00 DAV	¢	_
 HRS	GPS	<u>سے</u> 10	\$ 50.00 HR	φ \$	-
 HRS	Zipper	<u> </u>	\$ 100.00 HR	Ψ	
 HRS	BP25 Cat Broom Attachment	<u> </u>	\$ 50.00 HR	2	-
 HRS	Hoe Ram attachment	<u> </u>	\$ 125.00 HR	¥ 2	-
 HRS	Dynapac Walkbehind Compactor	<u> </u>	\$ 50.00 HR	¥	-
 HRS	Street Sweeper	<u> </u>	\$ 160.00 HR	¥ 2	-
		~	Ψ 100.00 1111.	Ψ	

LABOR:

HRS.

Air Compressor

MISC.

	HRS.	FOREMAN		@	\$	85.18	HR.	\$ -	
	HRS.	OPERATOR		@	\$	85.18	HR.	\$ -	
	HRS.	DRIVER		@	\$	65.56	HR.	\$ -	
_	HRS.	LABORER		@	\$	63.80	HR.	\$ -	
			SUBTOTAL					\$ -	
			DIRECT LABOR	MARKUP		@	30%	\$ -	
			TOTAL LABOR						\$ -
MATERIAL:									
		Unit Price: Remove							
		and dispose							
		unsuitables and							
	450.00 CY	replace with fill		@		68.94	4		\$31,023.00
CREDITS				LESS CRE	DIT	s			
						-			\$-
				SUBTOTA	L				
				0 & P					
				BOND					
				TOTAL CC	ST				\$31,023.00

@

\$ 50.00 HR.

\$

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	(508) 398-1811 Fax (508) 398-1866	
SOLDE	ob G 1700 po	
NAME	CTA	
ADDRE	Concord Middle School	
CITY	Soncord D MERCHANDISE	RETURNED
	CASH CHARGE MILITON ACCOL	UNT
QT	Y. DESCRIPTION	AMOUNT
	remove and replace	
	450 years of unsuitable	
-	material	
-	But alexation 176	
-	En berk in to 187	
-	45 x 25 Building B	
-	CTA Construction Co., Inc.	1
	VaiGat A	1
	Vernica	
	Date//C3/=	oftime
RECEIVE	and materials quantities only Sign	ature
	above does not guarantee payment	
	21019 1	HANK YO
	A CONTRACTOR OF	













10

SEE ARCH. FINISH GRADE T.O. BRICK SHELF

FOUNDATION 100 WALL SCHEDULE D9 SCALE: 12" = 1'-0"

1. ALL Wvd DOWELS SHALL BE 8' - 0" ABOVE TOP OF FOOTING.

2. - INDICATE Wvd DOVELS ARE FULL HEIGHT.

NOTES:

		FOOTING	HEEL WII	TOE WID	FOOTING	WALL AT	FOOTING TOP REIN	FOOTING BOTTOM	WALL DC	WALL VE REINFOR
	WALL	Ww	HI	TI	Fd	Wt	Ft	Fb	Wvd	Wv1
	100a	10' - 8"	7' - 0"	2' - 0"	20"	20"	#7@9"	#7@12"	#8@9"	#6@9"
	100b	10' - 0"	6' - 4"	2' - 0"	20"	20"	#7@12"	#6@12"	#8@12"	#6@12
	100c	9' - 4"	5' - 8"	2' - 0"	20"	20"	#7@12"	#6@12"	#8@12"	#6@12
ſ	100d	8' - 8"	5' - 0"	2' - 0"	20"	20"	#6@12"	#6@12"	#7@12"	#5@12
	100e	8' - 0"	4' - 4"	2' - 0"	20"	20"	#6@12"	#6@12"	#6@12"	#5@12
	100f	7' - 8"	4' - 0"	2' - 0"	20"	20"	#6@12"	#6@12"	#6@12"	-
	100g	6' - 8"	4' - 0"	1' - 0"	20"	20"	#6@12"	#6@12"	#5@12"	-
	100h	6' - 8"	4' - 0"	1' - 0"	20"	20"	#6@12"	#6@12"	#5@12"	-
	100j	6' - 2"	3' - 6"	1' - 0"	20"	20"	#5@12"	#5@12"	#5@12"	-
	100k	5' - 8"	3' - 0"	1' - 0"	20"	20"	#5@12"	#5@12"	#5@12"	-
	1001	3' - 8"	1' - 0"	1' - 0"	20"	20"	#5@12"	#5@12"	#5@12"	-

WALL 100 SCHEDULE

LOCATION, AND QUANTITY.

12. SEE ARCHITECTURAL DRAWINGS FOR ALL EDGE OF SLAB DIMENSIONS NOT SHOWN. 13. SEE ARCH. AND MEP DRAWINGS FOR SLAB INSERTS AND SLEEVE LOCATIONS.

9. ALL LH ND DLH ROOF JOIST SHALL HAVE THE MINIMUM FACTORY SET CAMBER PER SJI REQUIREMENTS. 10. _____ INDICATES BRACED FRAME LOCATION. 11. INDICATES MOMENT CONNECTION.

7. R3 INDICATES SPAN DIRECTION OF 1.5" X18/20 GAGE "TYPE BCA" GALVANIZED ACOUSTICAL METAL ROOF DECK.

5

W/WF

XW2.9 WWF..

NOTED.

FRAMING NOTES

17. COMPACT INDICATES TYPICAL HOUSEKEEPING PAD. SEE NOTE #8 ABOVE FOR MORE INFORMATION.

CONSTRUCTION OF ALL SLABS. THE PIER.

11. SEE S-001 AND S-301 - S-303 FOR TYPICAL WALL AND SLAB REINFORCING. 13. SEE SECTION G3/S-301 FOR TYPICAL STEEPED FOOTING DETAIL. STRINGERS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION.

10. SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND DIMENSIONS NOT SHOWN.

8. SEE FOUNDATION NOTES ON DRAWING S-001 FOR ADDITIONAL FOUNDATION REQUIREMENTS.

7. "T.O.W INDICATES TOP OF WALL ELEVATION.

FOUNDATION NOTES:

1. [0'-0"] INDICATES PROPOSED <u>TOP</u> OF FOOTING ELEVATION.

2. {0'-0"} INDICATES PROPOSED BOTTOM OF FOOTING ELEVATION. 3. " F1" INDICATE FOOTING TYPE. SEE DRAWING S-001 FOR FOOTING SCHEDULE. 4. "P1" INDICATES PIER TYPE. SEE DRAWINGS S-001 FOR PIER SCHEDULE.

5. "GB" INDICATES GRADE BEAM. SEE DETAIL ON DRAWING S-001.

6. "T.O.P." INDICATES TOP OF PIER ELEVATION.







(Bc)(Cc)

____ __ ___ ___ ___

HSS14X6X<u>3/8</u>

_3' - \$ 1/4")

W14X26

S-407

- HSS 4X4X5/16" POSTS WITH

HSS 4X4X5/16" HEADER

BEAM. SEE ARCH. FOR

ALSO SECTION H7/S-404

FOR DETAIL.

FRAME SIZE. (3 REQ.). SEE

W16X31

\s-402/

W18X40

W14X26

W14X26

BF

(C.4c

3' - 4" 6' - 8"

13' - 4"

(Do

W21X62 [50]

W24X55 [2

- ----(7c)

-(9c)

-(10c)

- 9. SEE MECHANICAL DRAWINGS FOR HOUSEKEEPING PAD SIZES AND LOCATIONS. PADS SHOWN ON STRUCTURE
- 12. FOR LOCATION OF UNDERSLAB PIPE PIPING AND SLEEVES FOR FOUNDATION WALLS SEE MEP AND FP DRAWINGS.
- 14. PROVIDE THICKENED SLAB BELOW ALL NON LOAD BEARING INTERIOR CMU WALLS AND AT BASE OF STAIR
- 15. CONTRACTOR SHALL SUBMIT SLAB CONTROL AND CONSTRUCTION JOINT LAYOUT PLAN FOR APPROVAL PRIOR TO
- 16. WHERE FOUNDATION WALLS INTERSECT PIERS, HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS THRU
- 18. INDICATES SLAB DEPRESSION SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- 1. TOP OF STEEL ELEVATION EQUALS UNDERSIDE OF DECK AND SHALL BE 196'-6 3/4" TYPICAL UNLESS OTHERWISE
- 2. INDICATES SPAN DIRECTION ON 2" X 20 GAGE GALVANIZED COMPOSITE METAL DECK WITH 3 1/4" LIGHTWEIGHT CONCRETE TOPPING (5 1/4" TOTAL SLAB THICKNESS). REINFORCED WITH ONE LAYER 6X6-W2.9
- 3. INDICATES SPAN DIRECTION OF 2"X 20 GAGE GALVANIZED COMPOSITE METAL DECK WITH 4" OF NORMAL WEIGHT CONCRETE TOPPING (6" TOTAL SLAB DEPTH). REINFORCED WITH ONE LAYER OF 6X6-W2.9 X W2.9
- 4. INDICATES SPAN DIRECTION OF 2" X 20 GAGE GALVANIZED COMPOSITE METAL DECK WITH 4" LIGHTWEIGHT CONCRETE TOPPING (6" TOTAL SLAB DEPTH). REINFORCED AS SHOWN ON DETAILS. NDICATES SPAN DIRECTION OF 1.5" X20 GAGE "TYPE B" GALVANIZED METAL ROOF DECK. 6. INDICATES SPAN DIRECTION OF 1.5" X 18 GAGE "TYPE b" GALVANIZED METAL ROOF DECK LOCATED IN ROOF AREAS TO RECEIVE FUTURE BALLASTED PV SOLAR PANELS.
- 8. [00] INDICATES THE NUMBER OF 3/4" DIAMETER X 4 1/4" LONG HEADED SHEAR STUDS ON INDICATED MEMBER.
- 14. THE GENERAL CONTRACTOR, MEP SUB-CONTRACTOR AND STRUCTURAL STEEL FABRICATOR SHALL
- COORDINATE THE SIZE, LOCATION AND REINFORCING OF ALL FLOOR AND ROOF PENETRATIONS, AND ROOFTOP EQUIPMENT OPENINGS WITH THE MEP DRAWINGS AND EQUIPMENT VENDORS. THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC ONLY AND NOT INTENDED TO BE ALL INCLUSIVE WITH RESPECT TO SIZE,



SMMA 1000 Massachusetts Avenue Cambridge, MA 02138 P: 617.547.5400 F: 800.648.4920



Ewing Cole Federal Reserve Bank Building 100 North 6th Street Philadelphia, PA 19106-1590 P:215.923.2020 F: 215.574.0952 EC Project No. 20190666



CONCORD MIDDLE SCHOOL 835 OLD MARLBORO ROAD, CONCORD, MA 01742

	WALL 101 SCHEDULE										
	FOOTING WIDTH	HEEL WIDTH	TOE WIDTH	FOOTING DEPTH	WALL AT BASE	FOOTING TOP REINF.	FOOTING BOTTOM REINF.	WALL DOWELS	WALL VERTICAL REINFORCING		
WALL	Ww	Н	TI	Fd	Wt	Ft	Fb	Wvd	Wv1		
101a	7' - 9"	4' - 0"	2' - 0"	16"	21"	#6@12"	#6@12"	#8@12"	#6@12"		
101b	7' - 9"	4' - 0"	2' - 0"	16"	21"	#6@12"	#6@12"	#7@12"	#5@12"		
101c	6' - 9"	4' - 0"	1' - 0"	12"	21"	#5@12"	#5@12"	#6@12"	#5@12"		
101d	5' - 9"	3' - 0"	1' - 0"	12"	21"	#5@12"	#5@12"	#5@12"	-		
101e	5' - 0"	2' - 3"	1' - 0"	12"	21"	#5@12"	#5@12"	#5@12"	-		
101f	4' - 9"	1' - 9"	1' - 0"	12"	21"	#5@12"	#5@12"	#5@12"	-		

NOTES:

ALL Wvd DOWELS SHALL BE 8' - 0" ABOVE TOP OF FOOTING.
INDICATE Wvd DOVELS ARE FULL HEIGHT.

D10 FOUNDATION 100 WALL SCHEDULE SCALE: 12" = 1'-0"





KEY PLAN

NORTH

1	03/29/2023	ADDENDUM 2
	03/08/2023	CONSTRUCTION DOCUMENTS
MARK:	DATE:	DESCRIPTION:
ISSUE L	.0G	

© SYMMES, MAINI & MCKEE	ASSOCIATES, INC. 2023
JOB NO.	19153
PROJ. MRG.	LBF
PROJ.ARCH./ENGR.	MDR/PPI
CHECK BY	PPI
DRAWN BY	ITH
SCALE	As indicated

FOUNDATION AND **GROUND FLOOR PLAN** PART B



PROJECT NAME: Concord Middle School – W0791.02

LOCATION: 835 Old Marlboro Road, Concord, Massachusetts

DATE: July 25, 2023

CLIENT: SMMA

CONTRACTOR(S): CTA Construction (General); C.C. Construction, Inc. (Earthwork)

WEATHER: 68-85 °F, Mostly Sunny to Rain

I. EARTHWORK EQUIPMENT WORKING:

- 1. Komatsu PC490LC Excavator
- 2. (2) Caterpillar A35D Dump Truck
- 3. Wacker-Neuson WP-1550 Vibratory Plate Compactor
- 4. Wacker Neuson RTSC2 Vibratory Dual Drum Compactor

II. EARTHWORK ACTIVITIES OBSERVED:

- C.C. Construction, Inc. (CC) continued excavating for footings in Building C between about column lines Sc to Vc-7c and at P.7c-7c and Uc-9c (see Figure 4 and Photos 1 and 2). CC excavated about 1-2± feet with a smooth edge bucket, to about Elevation 180-181± feet (based on their survey control), terminating in natural soils. CC then placed one, 6± inch thick lift of crushed stone to about bottom of footing elevation and compacted each lift with 4-6 passes of the vibratory plate compactor. MGA observed the stone to be firm and stable under compaction.
- 2. CC continued backfilling around previously poured interior foundations at column lines Mc-5c, Pc-5c, Qc-5c, P.7c-9c, and Rc-9c and along the interior of the foundation between about column lines Lc-9c to Nc-9c in Building C (see Figure 4 and Photos 3 and 4). CC placed one to two, 12± inch thick lifts of onsite sand (similar to MGA samples BS-1 and BS-2) and compacted each lift with 6-8 passes of the vibratory dual drum compactor. MGA observed each lift to be firm and stable under compaction.
- 3. CC continued footing excavation and subgrade preparation in the eastern portion of Building B (see Figure 3 and Photo 5). CC excavated with a smooth edge bucket to about Elevation 179± and 180± (based on their survey control), terminating in natural soils, between about column lines Fb-7c to Fb-2b. CC placed one, 6± inch thick lift of crushed stone at column lines Fb-7c to Fb-2b and Gb-7c and compacted the stone with 4-6 passes of the vibratory plate compactor. MGA observed the stone to be firm and stable under compaction.

MGA REPRESENTATIVE(S):			MGA REVIEWER:
Austin Scheerer			n n
TIME ON SITE:	9.25	Hours	home of Abore of
TRAVEL/REPORT TIME:	3.50	Hours	stange themet
TOTAL TIME:	12.75	Hours	Sherry L. Holmes, P.E.
TOTAL TIME:	12.75	Hours	Sherry L. Holmes, P.E.

300 Oak Street, Suite 460, Pembroke, MA 02359 | Telephone 781.826.0040 | Fax 781.735.0418 | mcardlegannon.com



PROJECT NAME: Concord Middle School – W0791.02

LOCATION: 835 Old Marlboro Road, Concord, Massachusetts

DATE: July 25, 2023

4. During footing excavation described in Item II.3 above, CC encountered unsuitable soils north of about column line 2b and removed the unsuitable soils and began backfill of the excavation (see Figure 3 and Photos 6 through 8). CC excavated about 6-15± feet with a smooth edge bucket to about Elevation 176± feet (based on their survey control) between about column lines Eb to Fb and 2b to the northern end of the site retaining wall, terminating in natural soils. CC stockpiled the excavated soils on site. CC then began backfill of the over-excavation by placing five, 12± inch thick lifts of on-site sand (similar to MGA samples BS-1 and BS-2) and compacted each lift with 6-8 passes of the vibratory dual drum compactor. MGA observed each lift to be firm and stable under compaction. CC plans to continue backfill on following day.

III. DISTRIBUTION:

Jennifer Soucy, SMMA Lorraine Finnegan, SMMA Mike Dowhan, SMMA Erik Vangsness, SMMA Andy Taylor, SMMA Vinsu Shah, SMMA Steve Ventresca, Nitsch Engineering Sarah Kwatinetz, Nitsch Engineering Jonathan Teixeira, Hill International Vinny Miller, Hill International Ian Parks, Hill International Susan McCann. Hill International John Cutler, Hill International Matt Kaye, CTA Construction Steve Quealy, CTA Construction Lyle Coghlin, CTA Construction Gary Smith, Concord Building Inspector

IV. ATTACHMENTS:

Photos 1 through 8 Figure No. 3 – Foundation Area B Sketch Figure No. 4 – Foundation Area C Sketch

300 Oak Street, Suite 460, Pembroke, MA 02359 | Telephone 781.826.0040 | Fax 781.735.0418 | mcardlegannon.com



Photo #1: Looking southwest at excavation for footings along column line 7c in Building C.





Photo #3: Looking southwest at compaction of backfill around interior footing at column line Mc-5c in Building C.









Photo #7: Looking southwest at placement of backfill after removal of unsuitable soils in the northeastern portion of Building B and adjacent site retaining wall.





SKETCH NO.: TTC N. 2	LIU. INU. J	DRAWN: DAS	CHECKED: SLH
FOUNDATION AREA B SKETCH REPORT NO. 15	CONCORD MIDDLE SCHOOL	835 OLD MARLBORO ROAD, CONCORD, MASSACHUSETTS	(OJECT: W0791.02 DATE: 07/25/2023 SCALE: NTS
MCArdle Gannon Associates Inc	Engineers & Consultants	300 Oak Street, Suite 460 781.826.0040 phone	

BUILDING KEY:

АВСС



LEGEND:

NORTH

INDICATES APPROXIMATE NUMBER AND LOCATION OF FIELD DENSITY TEST.

NOTES:

1. BASE PLAN DEVELOPED FROM PLAN ENTITLED "FOUNDATION AND GROUND FLOOR PLAN PART SHEET S-101c, REVISION 1, DATED MARCH 8, 2023, BY SMMA.

2. AREAS OF EARTHWORK SHOWN ON SKETCH ARE APPROXIMATE.

	SKETCH NO.:	FIG. No. 4	DRAWN: DAS	CHECKED: SLH
	EA C SKETCH	ILE SCHOOL	VCORD, MASSACHUSETTS	2023 SCALE: NTS
	FOUNDATION ARI REPORT	CONCORD MIDE	835 OLD MARLBORO ROAD, CO	JECT: W0791.02 DATE: 07/25/'
DUILDING KEY:	McArdle Gannon	INTERPORT ASSOCIATES, Inc.	00 Oak Street, Suite 460 781.826.0040 phone	emproke, IVA U2339 / 81.735.0418 TaX PRO