

# THE NEW NORTHBRIDGE ELEMENTARY SCHOOL

## WHITINSVILLE, MASSACHUSETTS



### SCHOOL BUILDING COMMITTEE MEETING

APRIL 20, 2021



# EQUIPMENT STATUS UPDATE - PROCESS

- Weekly meetings to determine equipment needs were conducted
- Staff submitted requests using D+W format
- Requests vetted and normalized for uniformity
- Bid packages assembled and vendors solicited for bids
- Bids were returned - sometimes multiple vendors bid on a scope, sometimes only one
- Budgets for each equipment category have been assembled



# EQUIPMENT STATUS UPDATE - PROCESS

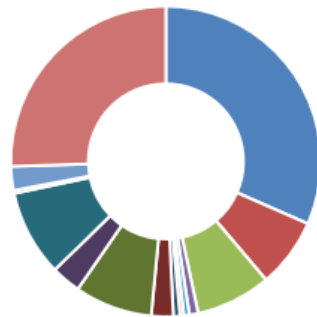
## FFE Cost Estimate

DATE: 04.19.2021

## Northbridge Elementary School

Original Budget	\$	1,648,000.00
Furniture Cost	\$	1,165,122.17
Equipment Estimate	\$	454,582.27
Difference:	\$	28,295.56

General Equipment	\$143,520.19
Art	\$32,923.63
Music	\$35,644.20
OT PT	\$4,169.35
Connect Level 2	\$2,651.40
Connect Level 3	\$1,795.58
Physical Ed.	\$3,096.32
Rise Toilet Room	\$10,379.80
Health Equipment	\$36,882.30
Recording Green Room	\$14,000.00
Maker Space	\$40,867.32
Library Media Center	\$1,415.00
Kitchen Smallwares	\$11,321.18
Custodial	\$115,916.00
Total	\$ 454,582.27



- \$143,520.19
- \$32,923.63
- \$35,644.20
- \$4,169.35
- \$2,651.40
- \$1,795.58
- \$3,096.32
- \$10,379.80
- \$36,882.30
- \$14,000.00
- \$40,867.32
- \$1,415.00
- \$11,321.18
- \$115,916.00

Equipment  
Spreadsheet  
“Dashboard”

DASHBOARD

GENERAL EQUIP.+ADMIN

ART

MUSIC

OT|PT

CONNECT LEVEL2

CONNECT LEVEL3

RISE TOILET RMs

PHYSICAL ED.



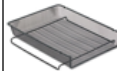




HEALTH EQUIPMENT

RECORDING-GREEN ROOM

MAKER SPACE

LIBRARY|MEDIA CENTER

# EQUIPMENT STATUS UPDATE - PROCESS

	A	L	M	Q	R	S	T	X	Y	Z	AD	AE	AF	AG	AH	AJ	AK	AL	AM	
	Referen ce	Name	Gross Quantity	BASIS OF DESIGN INFORMATION: - Manufacturer:	BASIS OF DESIGN INFORMATION: - Series:	BASIS OF DESIGN INFORMATION: - Model No:	BASIS OF DESIGN INFORMATION: - Description:	Has images	WB MASON UNIT COST	WB MASON EXTENDED COST	CONTRACT USED: FAC85	REALLY GOOD STUFF UNIT COST	REALLY GOOD STUFF EXTENDED COST	SCHOOL FURN. UNIT COST	SCHOOL FURN. EXTENDED COST	COMPUTER T USED (MHEC, NJPA, OFF- 22)	LAKESHORE ALT. UNIT COST	LAKESHORE ALT. EXTENDED COST	ALT PROD.	
1	GE.026	Heavy Duty Hole Punch	12	WB MASON		MATMP50	Heavy Duty Hole Punch 40 sheet capacity hole punch 9/32" holes gel pad handle lock down handle durable steel construction		\$ 23.22	\$ 278.64					\$ -			\$ -		
29	GE.027	Folding Step Stool	62	WB MASON		CSC11135CLGG1	Folding Step Stool 2 step folding steel step 200lb capacity, color: cool gray 17 3/8" w x 18" d x 28 1/8" h powder coat finish nonmarring, skid resistant front legs and back glides		\$ 33.79	\$ 2,094.98					\$ -			\$ -		
30	GE.028	Stackable Wire Paper Tray	3	WB MASON		ROL2221ELD	Paper Tray metal mesh design interlocking feet stacks up to 3 trays front loading paper tray holds letter size paper		\$ 11.78	\$ 35.34					\$ -			\$ -		
31	GE.029	American Flag - Floor kit	2	WB MASON		SVTMBE31400	American Flag - Floor 3' x 5' american flag 8' tall oak stack, 2" gold fringe 7" goldtone eagle rounded base		\$ 103.00	\$ 218.00					\$ -			\$ -		
32	GE.030	Super Tough Massachusetts 3ft x 5ft Flag, Flagpole, Base, and Tassel	2	<a href="https://www.united-states-flag.com/massachusetts-3ftx5ft-flag-flagpole-base-and-tassel.html">https://www.united-states- flag.com/massachusetts- 3ftx5ft-flag-flagpole-base- and-tassel.html</a>		SKU: BNDL_KSMA351 MPN: BUNDLE	Measurement: 3 ft x 5 ft Material: Nylon Indoor Use Oak pole: 7 ft or 8 ft Gold cord and tassel A variety of pole toppers ABS floor stand		\$ 150.00	\$ 300.00					\$ -			\$ -		
33	GE.031	Diversified Woodcrafts Instructor's Lectern	1	<a href="https://www.schooloutfitters.com/catalog/product_id/pf01pfam_id/PFAM68665/products_id/PRO79633">https://www.schooloutfitte rs.com/catalog/product_j nf01pfam_id/PFAM68665/ products_id/PRO79633</a>	COLOR: MAPLE	SKU: DIV-IP	Large worksurface with edge to keep items in place. Convenient storage with three fixed shelves. Mobile design to accommodate any learning environment.		\$ 1,006.00	\$ 1,006.00					\$ -		\$ 735.08	\$ 735.08		
34	GE.032	Fellowes® Powershred 225i 100% Jam Proof Strip-Cut	1	<a href="https://www.wbmason.com/ProductDetail.aspx?ItemDesc=Fellowes-Powershred-225i-100-Jam-Proof-Strip-Cut">https://www.wbmason.co m/ProductDetail.aspx?ite mDesc=Fellowes- Powershred-225i-100- Jam-Proof-Strip-Cut</a>		FEL3322001	100% Jam Proof System eliminates paper jams and powers through tough jobs. SilentShred offers ultra-quiet performance for shared workspaces. SafeSense Technology stops		\$ 593.89	\$ 593.89					\$ -			\$ -		

# FURNITURE, FIXTURES AND EQUIPMENT BUDGET SUMMARY

<b>TOTAL FF&amp;E BUDGET</b>	<b>\$1,648,000</b>	
<b><u>Furniture Cost (Final)</u></b>	<b><u>\$1,165,122</u></b>	<b><u>70.7%</u></b>
<b>Equipment Budget (Current Status)</b>	<b>\$482,878</b>	<b>29.3%</b>



# FIXTURES AND EQUIPMENT BUDGET

CATEGORY	%	TARGET BUDGET	%	ACTUAL BUDGET
General Equipment	28.0%	\$121,280	29.7%	\$143,520
Kitchen Smallwares	6.5%	\$28,154	2.3%	\$11,321
Gymnasium Fitness Equipment	4.5%	\$19,491	0.6%	\$3,096
OT/PT / Adaptive/ Sp.Ed.	4.0%	\$17,326	3.9%	\$18,996
Health Equipment	3.5%	\$15,160	7.6%	\$36,882
Custodial Equipment	34.5%	\$149,434	24.0%	\$115,916
Maker Space Equipment	2.5%	\$10,829	8.5%	\$40,867
Art Equipment	4.0%	\$17,326	6.8%	\$32,924
Music Equipment	7.5%	\$32,486	7.4%	\$35,644
Library/ A-V Room Equipment			3.2%	\$15,415
Contingency	5.0%	\$21,657	5.9%	\$28,297
<b>Equipment Total (Final)</b>	<b>100.0%</b>	<b>\$433,142</b>	<b>100%</b>	<b>\$482,878</b>



# CUSTODIAL EQUIPMENT UPDATE - BUDGET

Custodial Category Line

\$115,916

John Deere 1585 Terrain Cut Mower

\$46,774

local quote

Includes mower deck, pavement broom, snow blower

Jeep Wrangler Plow Vehicle

\$47,720

estimate

Includes vehicle, articulated V-plow, sand/salt spreader

Contingency

(\$28,297)

**Custodial Category Budget with Vehicles**

**\$ 210,380**

estimate

Amount Total Equipment over budget with Vehicles

(\$94,494)

**Available budget transfer from Technology**

**\$200,000**







The image is a detailed site plan schematic. It features a large, irregularly shaped building complex in the upper left, colored in a light tan or yellow. To the right of this complex is a grey-shaded area containing several circular features, some labeled 'BULLETIN' with a small triangle icon. Below these buildings is a large, grey-shaded parking lot with numerous parking spaces, some of which are marked with small car icons. A red-outlined rectangle, representing a proposed vehicle storage building, is situated on the right side of the parking lot. This rectangle is labeled with dimensions: '34'-0"' for the width and '34'-0"' for the depth. A dashed line runs horizontally across the middle of the plan, labeled 'MATCHLINE' on the right. To the far right, a vertical dashed line is labeled 'LIMIT OF WORK'. The entire plan is enclosed within a grid of solid and dashed lines.

**VEHICLE  
STORAGE  
BUILDING**

**SCHEMATIC – FOR  
DISCUSSION ONLY**





# TECHNOLOGY PURCHASE ORDERS



We are pleased to present the following Technology purchase orders for your approval:

<b>PO TECH 010</b>	<b>Apple Inc. Education – IT Devices, Equipment, Apple Care</b>	<b>\$110,568.00</b>
<b>PO TECH 011</b>	<b>Pro AV – A/V Studio Equipment</b>	<b>\$7,052.18</b>
<b>PO TECH 012</b>	<b>Heartland – Kitchen Point of Sale System</b>	<b>\$12,360.00*</b>

*See next slide for budget summary.*

## Seeking a vote for approval of Purchase Orders.

\* Awaiting clarification on quantity of touch pads – number may go down - TBD



Equipment	Budget	Description
<b>Network Core Equipment</b>		
Network Installation and Configuration	\$ 49,000.00	Including all hardware, installation and configuration.
Network Switches	In Base Construction Contract	Dual 40Gb to Core.
Telephone System	\$ 34,596.00	Reuse Existing Phone System, new IP phones throughout
Whalley Reconfiguration Services	\$ 15,392.00	To relocated Internet and Fiber to new building
Internet Service Line	\$ -	For providing Fiber to the building
Wireless	In Base Construction Contract	Aerohive AP650 with ac technology
	\$ 98,987.00	
<b>Computers</b>		
Teacher LT Computer	\$ 83,526.00	85 Hub Latitude 5410 BTX Base 201-ANVCH (\$1375)
Admin LT Computer	\$ 38,770.77	23 Hub Latitude 5410 BTX Base 201-ANVCH (\$1375)
Admin DT Computer	\$ 4,383.78	6 Hub Dell Optiplex 3080 SFF XCTO - 210-ANPR (\$791.10)
Admin Docking and Monitors	Included in Admin LT Computer Item above	Hub Admin Docking Station with 27" display(E2720H+210-AF
Student LT/DT Computer	\$ -	0 Student DT/LT at \$1000/ea
Teacher Chromebooks	\$ 39,346.68	88 Hub 14" Teacher Chromebooks
Teacher iPad	\$ -	0 APPL Apple iPad with AC and Cover - INCL BELOW
Student Chromebooks - 1st Phase	\$ 134,775.30	330 Hub HP Chrome 14" G5 +GMC+Warranty+Setup
Student Chromebook Carts - 1st Phase	\$ 15,697.24	11 Hub Breiford Charging Cart - Northbridge Standard
Student Chromebooks	\$ 442,638.90	890 Hub HP Chrome 14" G5 +GMC+Warranty+Setup
Student Chromebook Carts	\$ 51,078.24	36 Hub Breiford Charging Cart - Northbridge Standard
Student iPads	\$ 101,797.00	270 APPL Apple iPad with AC and Cover, Incl Quanrty Discount
Student iPad Carts	\$ 16,188.40	10 Hub Breiford Charging Cart for iPads including install
iPad White Glove Services	\$ 5,655.00	Lot Hub To update, add apps, MDM and load into carts and cabi
Small Charging Cabinets	\$ 2,351.05	5 Hub Kensington AC Lock and Charge
	\$ 926,126.35	
<b>Printers</b>		
MFP Printer	\$ 440.22	1 Hub HPM227df Multifunction B&W Laser Printer
Work Group Printers	\$ 5,671.88	4 Hub HP610dn B&W Laser Printer
	\$ 5,912.10	
<b>Audio and Video Equipment</b>		
Projectors	\$ 271,431.00	79 ProAV Epson 1480Fi with cabling and install
Document Camera	\$ 24,727.50	75 ProAV Aver doc cam installed
Admin Flat Panels	\$ 9,404.00	4 ProAV 65" Flat panel displays with cabling and install
Classroom IFP on Cart	\$ 175,209.00	67 ProAV Promethean Nixel 65" panels
Collaboration Room IFP	\$ 38,548.00	7 ProAV Wall mounted Clear Touch, Promethean or oth
Portable Projection System- Gym	\$ 20,664.00	1 ProAV Epson L1750 on a cart
Portable Teacher's Projection Cart	\$ 2,413.00	1 ProAV Epson ultra short throw on Cart
Spare Projector	\$ 2,345.00	1 ProAV Epson spare projector
Spare IFP	\$ 1,473.00	1 ProAV Promethean sparer Nixel 65" IFP
	\$ 546,214.50	
<b>Other</b>		
Chromebook Mice	\$ 8,807.70	Hub Logitech B100 Mouse (100% for PreK, K and 1st,50% for 2-5)
AV equipment for Video Room	\$ 5,722.18	ProAV Video editing and recording equipment
Apple Equipment for Video Room	\$ 8,272.00	APPL iMac and iPads, Incl Apple Care
POS	\$ 12,360.00	Heart Based on Heartland Quote for 5 stations.
Multiple Microphones - 6 ELA Rooms	\$ -	Base Will be handled as a chagne order to Lightspeed Systems in CD's.
Maker Space	\$ 8,143.20	2 HUB 3D Printers - Makerbot Replicator+ with warranty, install and supplies
Spare Pens for Projectors and IFP's	\$ 1,330.00	ProAV IFP and Projector spare pens
	\$ 44,634.48	
<b>Contingency</b>	\$ 20,000.00	
	\$ 20,000.00	
<b>Sub Total</b>	\$ 1,651,874.44	
<b>Total</b>	\$ 1,651,874.44	
<b>Total Budget</b>	\$ 1,854,000.00	
<b>Over/Under</b>	\$ 202,125.56	
<b>Funds Remaining</b>	\$ 222,125.56	

# TECHNOLOGY BUDGET SUMMARY UPDATE

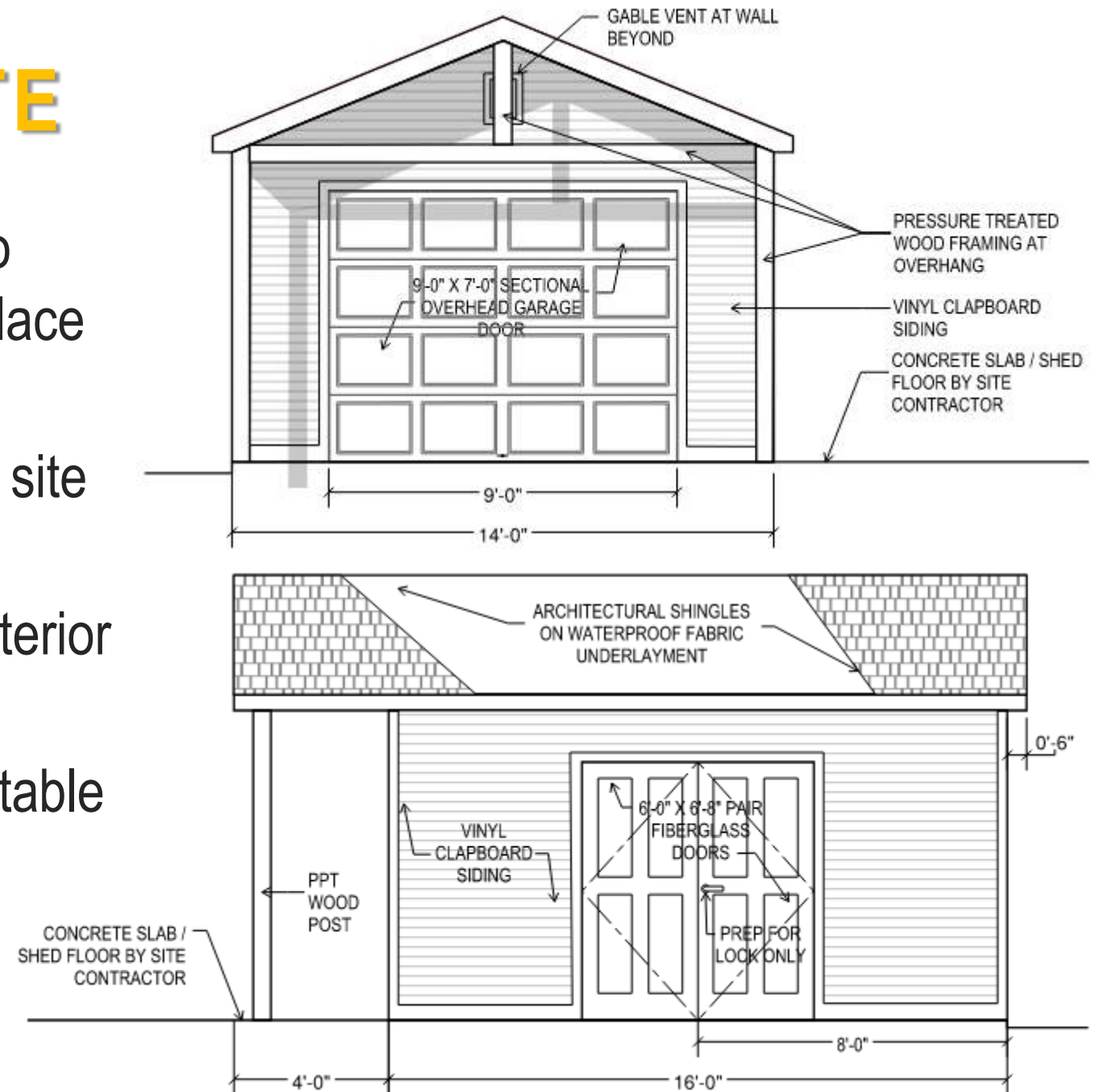
<b>Total Programmed</b>	<b>\$1,651,874.44</b>
<b>Total Budget</b>	<b>\$1,854,000.00</b>
<b>Over/Under</b>	<b>\$202,125.56</b>
<b>Contingency</b>	<b>\$20,000.00</b>
<b>Funds Remaining</b>	<b>\$222,125.56</b>

Seeking a vote of approval for  
TECHNOLOGY POs 010, 011, 012



# SNACK SHED UPDATE

- Pledge given from the project team to reconstitute a new snack shed to replace the existing snack shed in kind
- D+W included a 14 x 16' shed on the site plan
- PR-16 issued to define design and interior scope of the building
- Supplied with electrical within and potable water field hydrant outside
- Exterior picnic area provided





# SNACK SHED UPDATE

## **Update:**

- *Team has been Instructed by the Building Inspector to submit plans for a separate Building Permit:*
  - *Site Plan*
  - *Floor plan*
  - *Structural Framing Plan*
- *Board of Health Application and Review Required*

***This scope of work is an extra service under D+W's contract.***

**Blackstone Valley Tech HS has pledged to build the shed in the 2021-22 school year if approved.**

**Cost estimate will be completed once plans are done.**



THIS FIELD DEDICATED IN THE MEMORY OF

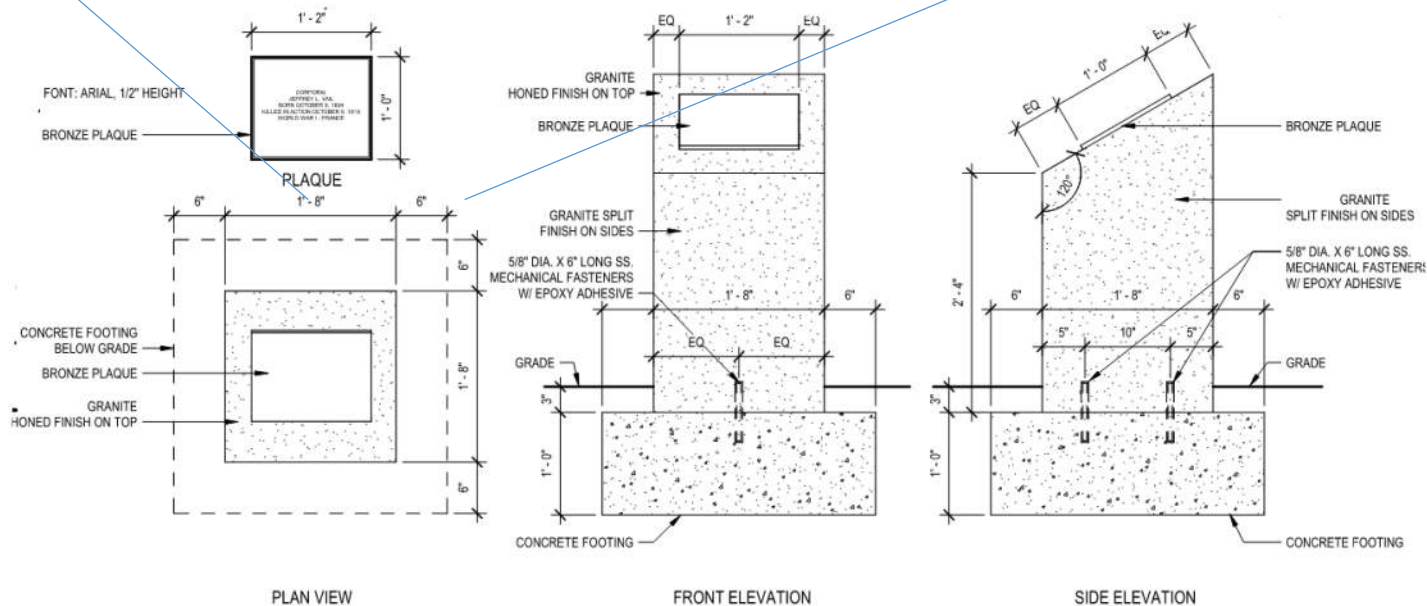
CORPORAL  
JEFFREY L. VAIL

BORN OCTOBER 9, 1894

KILLED IN ACTION OCTOBER 9, 1918

WORLD WAR I – FRANCE

REDEDICATED 2021



New Building Cornerstone –  
Milford Pink Granite (Hopkinton)

Cost per PCO #244:  
**\$12,812**



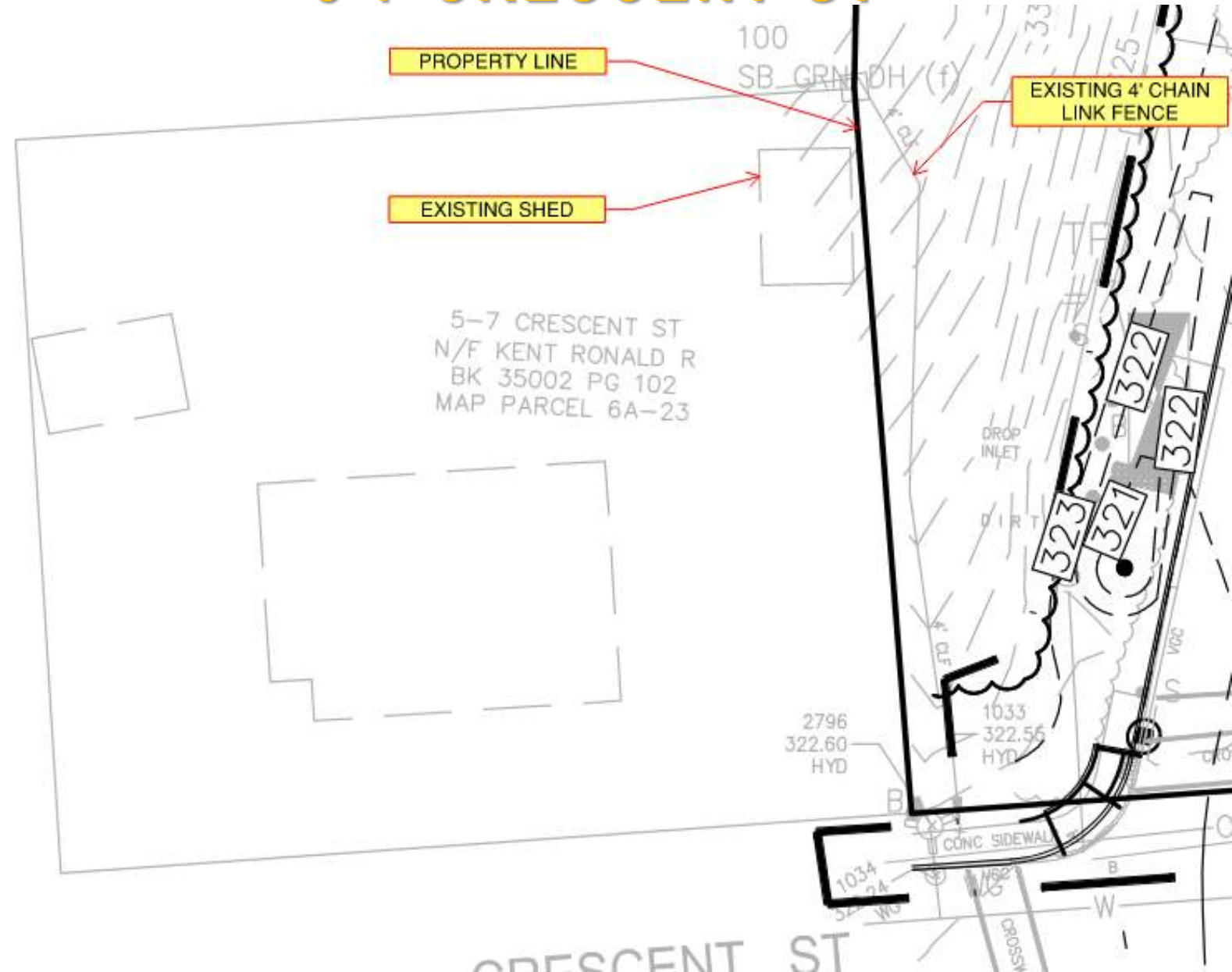
The site plan for the Crescent Street Sports Center is a detailed layout of the sports facility. It features a central area with a baseball field, softball field, and soccer field. The baseball field is located in the upper right, with a pitcher's mound and bases marked. The softball field is adjacent to it, and the soccer field is a large rectangular area in the lower right. The plan includes numerous callouts for materials like 'VERTICAL GRANITE CURB' and 'SLOPED GRANITE CURB'. It also shows various pieces of equipment and furniture, such as 'PICNIC TABLES', 'BENCHES', and 'RESTROOMS'. The site is bordered by Crescent Street to the south, and a parking lot is located to the west. The plan is detailed with dimensions, material callouts, and equipment locations.





# PROPERTY LINE ENCROACHMENT

## 5-7 CRESCENT ST



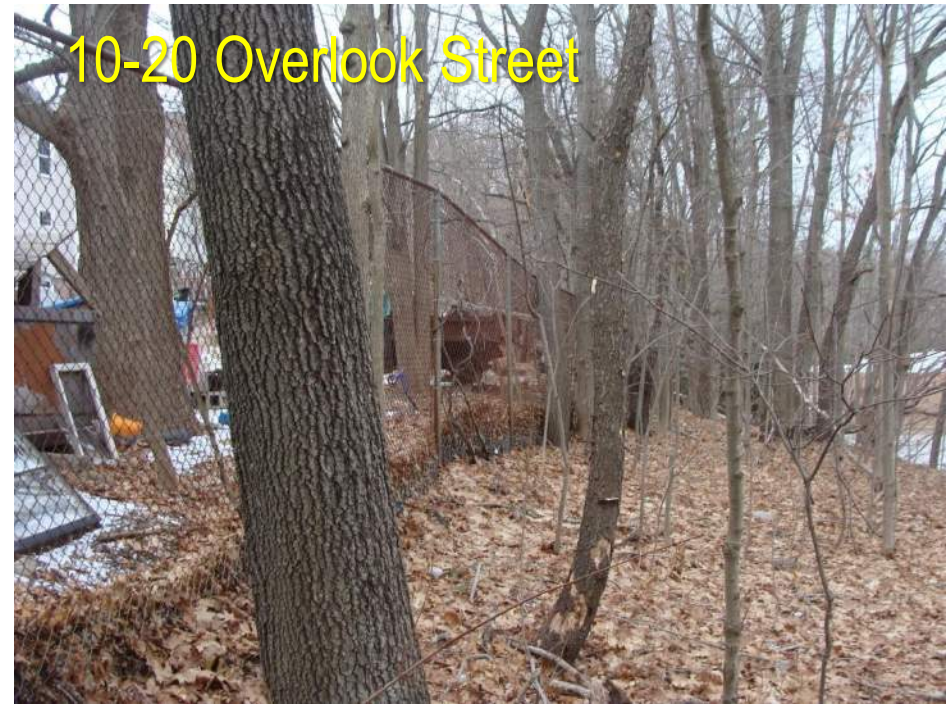


2-8 Overlook Street



# WEST PROPERTY LINE SURVEY

10-20 Overlook Street



2-8 Overlook Street



10-20 Overlook Street





22-32 Overlook Street



# WEST PROPERTY LINE SURVEY

34-44 Overlook Street



22-32 Overlook Street



34-44 Overlook Street



46-56 Overlook Street



# WEST PROPERTY LINE SURVEY



# CONSTRUCTION UPDATE



**FONTAINE BROS., INC.**

CONSTRUCTION MANAGERS  
GENERAL CONTRACTORS





# SUMMER '21 PHASING PLAN

## Phase Substantial Completion Date Legend

-  = Phase 1A: June 15, 2021
-  = Phase 1B: Aug. 27, 2021
-  = Phase 2: Nov. 24, 2021
-  = Phase 3: May 01, 2022

## Phase Schedule & Scope Notes

### Phase 1A:

- New School Substantial Completion
- Provide egress into building via north sidewalks and entrances

### Phase 1B:

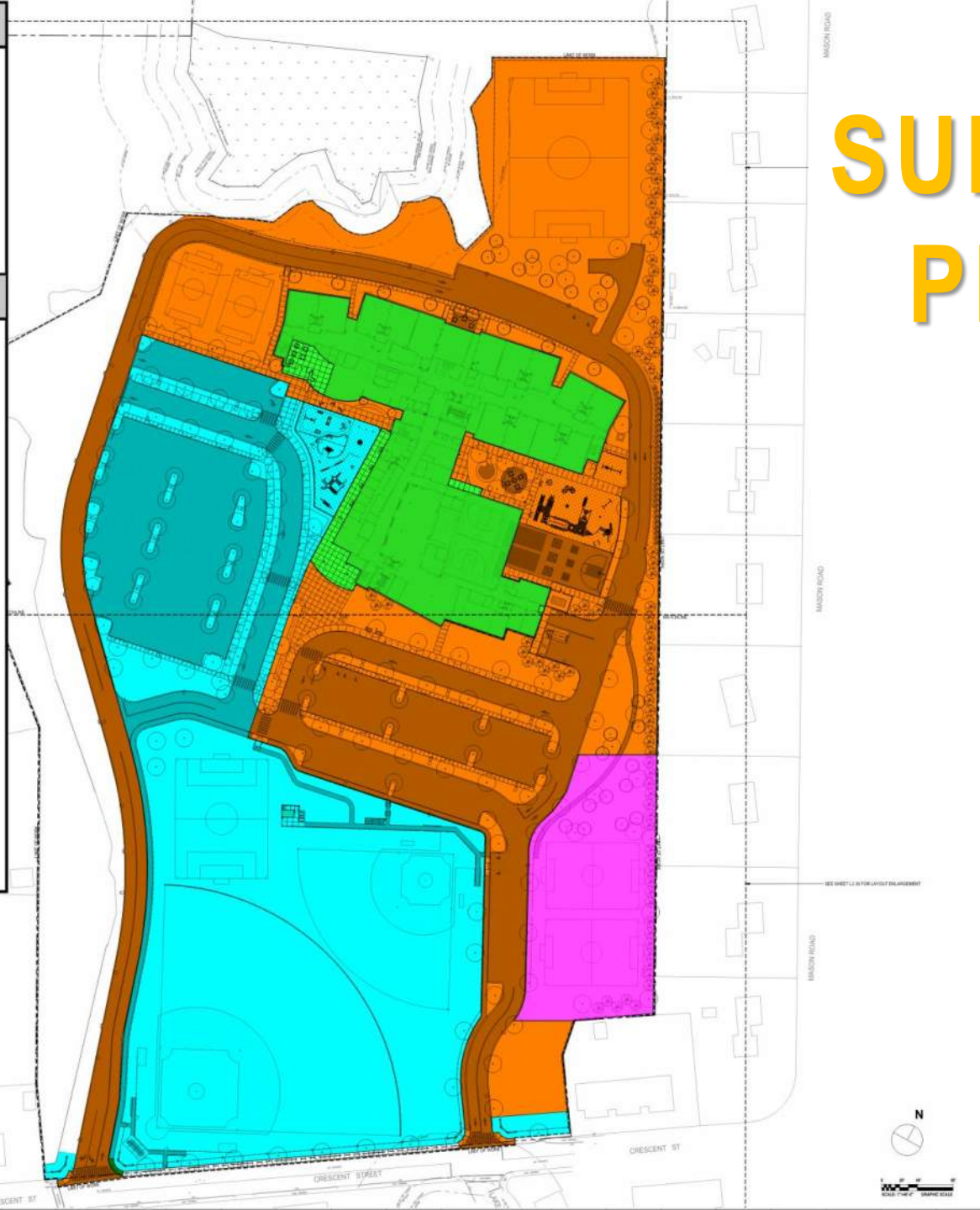
- East site Substantial Completion
- Courtyard, playground, sidewalks, south parking lot, final paving of loop road and plantings complete etc.

### Phase 2:

- Demo existing Balmer School, West Parking and Vail Field Substantial Completion
- Accelerate the Pre-K playground for turnover in advance of Phase 2 completion

### Phase 3:

- Project Final Completion
- Temp. parking lot to U8 Fields





# CONSTRUCTION UPDATE

Fontaine drone photo 4/19/21





# CONSTRUCTION UPDATE



Fontaine drone photo 4/19/21



# CONSTRUCTION UPDATE



Fontaine drone photo  
4/19/21



# CONSTRUCTION UPDATE

An aerial drone photograph of a large, multi-winged school building under construction. The building features a white roof and red brick walls with numerous windows. Construction equipment, including cranes and trucks, is visible on the roof and around the building. The surrounding area includes parking lots, roads, and some residential houses in the background.

Fontaine drone photo 4/19/21



# CONSTRUCTION UPDATE



Fontaine drone photo 4/19/21



# CONSTRUCTION UPDATE

C-Wing West  
cladding  
progress





# CONSTRUCTION UPDATE



A-Wing West &  
North phenolic  
and MCM  
cladding  
progress  
and site work





# CONSTRUCTION UPDATE



A-B Wing North  
phenolic and MCM  
cladding progress  
and site work







# CONSTRUCTION UPDATE

Faceted  
“Storefront,”  
window testing in  
Media Center





# CONSTRUCTION UPDATE

Gym Interior progress





# CONSTRUCTION UPDATE

Wood ceiling  
installation on  
Levels 2 and 3





# CONSTRUCTION UPDATE



Marmoleum flooring installation progress



# CONSTRUCTION UPDATE

ELAs are  
taking shape





# QUESTION AND ANSWER

