

January 17, 2024



#### AGENDA



#### **Agenda Items for the School Building Committee**

- 1. Agenda Adjustments
- 2. Public Comment
- 3. **Project Approvals:** 
  - Approve Minutes from December 14, 2023 School Building Committee Meeting (Vote)
  - Approve Invoices LeftField and DRA Architects (Vote)
- 4. Feasibility Study Budget Update
- 5. Cost Estimate and Evaluation Matrix Review
- 6. Possible Vote to Select Preferred Option and /or Preferred Enrollment (Vote)
- 7. Adjourn





## MEETING MINUTES



#### **SUGGESTED VOTE:**

Vote to approve meeting minutes from the December 14, 2023 SBC Meeting





## INVOICES



Project Invoices - TOTAL \$56,500.00

INVOICES						
ProPay Code	Invoice Date	Vendor	Invoice #	Budget Category	Description of Services	Invoice \$
0001-0000	12/31/23	LeftField, LLC	9	OPM – Feasibility Study/ Schematic Design	OPM Feasibility Study Services December 1 – December 31, 2023	\$29,000.00
0002-0000	12/31/23	DRA	5	A/E - Feasibility Study/ Schematic Design	A/E Feasibility Study Services December 1 – December 31, 2023	\$27,500.00
					TOTAL:	\$56,500.00





### BUDGET UPDATE



South Shore R	outh Shore Regional Vocational Technical High School - Hanover, MA													
Total Project I	otal Project Budget Status Report													
ProPay Code	Total Project Budget Authorized Changes Revised Total Budget Committed % Cmtd to Date Actual Spent to Date % Spent to Date Balance To Spend													
	FEASIBILITY STUDY AGREEMENT													
0001-0000	OPM Feasibility Study/Schematic Design	\$ 400,0	000	\$28,050	\$ 428,050	\$	428,050	100%	\$ 227,000	53%	\$ 201,050			
0002-0000	A&E Feasibility Study/Schematic Design	\$ 1,100,0	000		\$ 1,100,000	\$ 1,	,059,950	96%	\$ 481,861	44%	\$ 618,139			
0003-0000	Environmental & Site	\$ 300,0	000		\$ 300,000	\$	-	0%	\$ -	0%	\$ 300,000			
0004-0000	Other	\$ 200,0	000 \$	(28,050)	\$ 171,950	\$	-	0%	\$ -	0%	\$ 171,950			
	SUB-TOTAL	\$ 2,000,0	900 \$	-	\$ 2,000,000	\$ 1,	,488,000	74%	\$ 708,861	35%	\$ 1,291,139			
	TOTAL PROJECT BUDGET	\$ 2,000,0	000 \$	-	\$ 2,000,000	\$ 1,	,488,000	74%	\$ 708,861	35%	\$ 1,291,139			

- All Contract Amendments have been committed against the original budget to indicate the remaining funds in each Budget Category
- All Invoices have been indicated in the Budget

Committed: 74%

Expended: 35%

Uncommitted Funds: \$512,000

 Anticipated Extra Services/ Reimbursables:

\$200,000

Remaining Funds:

\$312,000



	805 enr	ollment	900 enrollment				
Design	Initial total estimate	Revised total estimate	Initial total estimate	Revised total estimate			
New construction (NC 2.0)							
"Linear"	<del>\$344.1m</del>	\$266m-\$287m	<del>\$367.9m</del>	\$278m-\$299m			
New construction (NC 2.1)							
"Linear/center core"	<del>\$344.1m</del>	\$263m-\$303m	<del>\$367.9m</del>	\$281m-\$308m			
Add/Reno (AR-1)							
"L shaped"	<del>\$349.8m</del>	\$256m-\$267m	<del>\$366.7m</del>	\$271m-\$282m			







		805 Students NC 2.0								Avg Delta Between			
Student Enrollment Range: 805 - 900 Students		Ellana		AM Fogarty		Delta		Ellana		AM Fogarty		Delta	Enrollments
A Substructure	Ś	12,242,383	Ś	6,115,027	Ś	6,127,356		\$ 12,958,789	Ś	6,404,908	Ś	6,553,881	\$ 503,143.50
B Shell	\$	46,915,068	Ś	36,684,412	Ś	10,230,656		\$ 47,009,960	_	38,677,626	<u> </u>	8,332,334	\$ 1,044,053.00
CInteriors	\$	26,345,845	•	25,950,924	Ś	394,921		\$ 28,378,810	_	27,279,246	_	1,099,564	\$ 1,680,643.50
D Services	\$	40,996,423	_	42,261,445	\$	(1,265,022)		\$ 44,231,245	_	45,568,749	_	(1,337,504)	\$ 3,271,063.00
E Fittings & Fixed Equipment	\$	6,805,088	_	6,565,975	Ś	239,113		\$ 7,267,675	_		\$	465,718	\$ 349,284.50
F Special Construction & Demolition	\$	3,355,630	_	2,861,590	\$	494,040		\$ 3,355,630	-	2,861,590	<u> </u>	494,040	\$ -
G Sitework	\$	20,848,301	\$	23,690,007	\$	(2,841,706)		\$ 20,722,301	\$	23,748,987	\$	(3,026,686)	\$ (33,510.00)
Greenhouse	\$	720,000	\$	720,000	\$	-		\$ 720,000	\$	720,000	\$	-	\$ -
Waste Water Treatement Plant	\$	4,000,000	\$	4,200,000	\$	(200,000)		\$ 4,000,000	\$	4,200,000	\$	(200,000)	\$ -
Maintenance Garage	\$	540,000	\$	540,000	\$	-		\$ 540,000	\$	540,000	\$		\$ -
Concession Stand	\$	270,000	\$	268,800	\$	1,200		\$ 270,000	\$	268,800	\$	1,200	\$ -
TOTAL DIRECT COSTS	\$	163,038,738	\$	149,858,180	\$	13,180,558		\$ 169,454,410	\$	157,071,863	\$	12,382,547	\$ 6,814,678
Design & Estimating Contingency	\$	19,565,000	\$	17,985,285	\$	1,579,715	ı	\$ 20,335,000	\$	18,850,927	\$	1,484,073	\$ 817,821.00
General Conditions	\$	8,423,000	\$	7,000,000	\$	1,423,000		\$ 8,755,000	\$	7,000,000	\$	1,755,000	\$ 166,000.00
General Requirements	\$	7,487,000	\$	5,749,468	\$	1,737,532		\$ 7,782,000	\$	6,016,086	\$	1,765,914	\$ 280,809.00
Insurances + Bonds	\$	3,931,000	\$	3,947,968	\$	(16,968)		\$ 4,086,000	\$	4,131,045	\$	(45,045)	\$ 169,038.50
CM Fee (Overhead & Profit)	\$	4,680,000	\$	5,033,659	\$	(353,659)		\$ 4,864,000	\$	5,267,083	\$	(403,083)	\$ 208,712.00
CM GMP Contingency	\$	4,565,100	\$	6,191,401	\$	(1,626,301)		\$ 4,744,800	\$	6,478,512	\$	(1,733,712)	\$ 233,405.50
Modular Classrooms					\$	-					\$	-	\$ -
Phasing / Scheduling Premium					\$	-					\$	-	\$ -
Escalation	\$	18,261,000	\$	16,786,266	\$	1,474,734		\$ 18,979,000	\$	17,594,199	\$	1,384,801	\$ 762,966.50
TOTAL ESTIMATED CONSTRUCTION COSTS	\$	229,950,838	\$	212,552,227	\$	17,398,611		\$ 239,000,210	\$	222,409,715	\$	16,590,495	\$ 9,453,430
Soft Costs Calculated at 25%	\$	57,487,710	\$	53,138,057	\$	4,349,653		\$ 59,750,053	\$	55,602,429	\$	4,147,624	\$ 2,363,357.50
TOTAL ESTIMATED PROJECT COSTS	\$	287,438,548	\$	265,690,284	\$	21,748,264		\$ 298,750,263	\$	278,012,144	\$	20,738,119	\$ 11,816,788

The estimated construction and total project cost provided are for COMPARISON PURPOSES ONLY. The estimated costs will be updated at the Schematic Design Report (SD) phase to inform the Total Project Budget that will be submitted to the MSBA.







		805 Students NC 2.1						900 Students NC 2.1						Avg Delta Between
Student Familiarent Paules 205 - 200 Students		Ellana		AM Fogarty		Delta		Ellana		AM Fogarty		Delta	١	Enrollments
Student Enrollment Range: 805 - 900 Students  A Substructure	Ś	15,107,086	ċ	7,464,252	Ś	7,642,834		\$ 14,043,262	ć	7,496,821	ė	6,546,441	-	\$ (515,627.50)
B Shell	\$	49,230,152		37,384,619	\$	11,845,533		\$ 50,396,793	\$	38,758,688	_	11.638.105	H	\$ 1,270,355.00
CInteriors	Ś	26,757,290	_	26,237,982	\$	519,308		\$ 28,726,379	Ś	27,553,921		1,172,458	H	\$ 1,642,514.00
D Services	Ś	41,533,732	_	42,810,793	\$	(1,277,061)		\$ 44,766,024	\$	46,115,510	_	(1,349,486)	-	\$ 3,268,504.50
E Fittings & Fixed Equipment	\$	6,870,380		6,604,666	\$	265,714		\$ 7,332,660	\$	6,832,829	_	499,831	-	\$ 345,221.50
F Special Construction & Demolition	\$	3,355,630	_	2,861,590	\$	494,040		\$ 3,355,630	Ś	2,861,590	_	494,040	-	\$ -
G Sitework	Ś	24,722,301		17,557,811	Ś	7,164,490		\$ 20,722,301	Ś	23,292,321	_	(2,570,020)	_	\$ 867,255,00
Greenhouse	Ś	720,000		720,000	Ś			\$ 720,000	Ś	720,000		-	-	\$ -
Waste Water Treatement Plant	Ś	4,000,000	\$	4,200,000	Ś	(200,000)		\$ 4,000,000	Ś	4,200,000	<u> </u>	(200,000)	-	\$ -
Maintenance Garage	Ś	540,000	•	540,000	Ś	-		\$ 540,000	Ś	540,000	_	-	-	\$ -
Concession Stand	\$	270,000	_	268,800	\$	1,200		\$ 270,000	\$	268,800		1,200	-	\$ -
TOTAL DIRECT COSTS	\$	173,106,571	\$	146,650,513	\$	26,456,058		\$ 174,873,049	\$	158,640,480	\$	16,232,569		\$ 6,878,223
Design & Estimating Contingency	\$	20,293,000	\$	18,287,822	\$	2,005,178		\$ 20,985,000	\$	19,039,161	\$	1,945,839		\$ 721,669.50
General Conditions	\$	8,737,000	\$	7,000,000	\$	(8,331,634)		\$ 9,034,000	\$	7,000,000	\$	2,034,000		\$ 148,500.00
General Requirements	\$	7,766,000	\$	5,842,649	\$	1,923,351		\$ 8,031,000	\$	6,074,062	\$	1,956,938		\$ 248,206.50
Insurances + Bonds	\$	4,078,000	\$	4,011,952	\$	66,048		\$ 4,217,000	\$	4,170,856	\$	46,144		\$ 148,952.00
CM Fee (Overhead & Profit)	\$	4,854,000	\$	5,115,239	\$	(261,239)		\$ 5,019,000	\$	5,317,841	\$	(298,841)		\$ 183,801.00
CM GMP Contingency	\$	4,735,000	\$	6,291,744	\$	(1,556,744)		\$ 4,896,500	\$	6,540,944	\$	(1,644,444)		\$ 205,350.00
Modular Classrooms					\$	-					\$	-		\$ -
Phasing / Scheduling Premium					\$	-					\$	-		\$ -
Escalation	\$	18,940,000	\$	17,068,634	\$	1,871,366		\$ 19,586,000	\$	17,769,884	\$	1,816,116		\$ 673,625.00
TOTAL ESTIMATED CONSTRUCTION COSTS	\$	242,509,571	\$	210,268,553	\$	32,241,018		\$ 246,641,549	\$	224,553,228	\$	22,088,321		\$ 9,208,327
Soft Costs Calculated at 25%	\$	60,627,393	\$	52,567,138	\$	8,060,255		\$ 61,660,387	\$	56,138,307	\$	5,522,080	E	\$ 2,302,081.63
TOTAL ESTIMATED PROJECT COSTS	\$	303,136,964	\$	262,835,691	\$	40,301,273		\$ 308,301,936	\$	280,691,535	\$	27,610,401		\$ 11,510,408

The estimated construction and total project cost provided are for COMPARISON PURPOSES ONLY. The estimated costs will be updated at the Schematic Design Report (SD) phase to inform the Total Project Budget that will be submitted to the MSBA.







	805 Students							900 Students							Avg Delta
			AR 01					AR 01							Between
Student Enrollment Range: 805 - 900 Students		Ellana		AM Fogarty		Delta			Ellana		AM Fogarty		Delta		Enrollments
A Substructure	\$	6,372,268	\$	4,493,243	\$	1,879,025		\$	7,053,822	\$	4,763,075	\$	2,290,747		\$ 475,693.00
B Shell	\$	32,692,512	\$	27,525,219	\$	5,167,293		\$	35,960,918	\$	30,106,770	\$	5,854,148		\$ 2,924,978.50
C Interiors	\$	24,512,879	\$	24,422,721	\$	90,158		\$	26,281,173	\$	27,938,379	\$	(1,657,206)		\$ 2,641,976.00
D Services	\$	40,681,797	\$	39,441,127	\$	1,240,670		\$	43,833,113	\$	42,097,804	\$	1,735,309		\$ 2,903,996.50
E Fittings & Fixed Equipment	\$	6,766,855	\$	7,508,410	\$	(741,555)		\$	7,219,295	\$	7,709,116	\$	(489,821)		\$ 326,573.00
F Special Construction & Demolition	\$	4,469,670	\$	1,967,920	\$	2,501,750		\$	4,469,670	\$	1,967,920	\$	2,501,750		\$ -
G Sitework	\$	19,120,566	\$	22,680,663	\$	(3,560,097)		\$	18,251,103	\$	22,725,053	\$	(4,473,950)		\$ (412,536.50)
Greenhouse	\$	720,000	\$	720,000	\$	-		\$	720,000	\$	720,000	\$	-		\$ -
Waste Water Treatement Plant	\$	4,000,000	\$	4,200,000	\$	(200,000)		\$	4,000,000	\$	4,200,000	\$	(200,000)		\$ -
Maintenance Garage	\$	540,000	\$	540,000	\$			\$	540,000	\$	540,000	\$			\$ -
Concession Stand	\$	270,000	\$	268,800	\$	1,200		\$	270,000	\$	268,800	\$	1,200		\$ -
TOTAL DIRECT COSTS	\$	140,146,547	\$	133,768,103	\$	6,378,444		\$	148,599,094	\$	143,036,917	\$	5,562,177		\$ 8,860,681
Design & Estimating Contingency	\$	16,818,000	\$	16,238,933	\$	579,067		\$	17,832,000	\$	17,164,429	\$	667,571		\$ 969,748.00
General Conditions	\$	8,199,000	\$	9,100,000	\$	(901,000)		\$	8,666,000	\$	9,100,000	\$	(434,000)		\$ 233,500.00
General Requirements	\$	7,768,000	\$	5,274,592	\$	2,493,408		\$	8,210,000	\$	5,559,644	\$	2,650,356		\$ 363,526.00
Insurances + Bonds	\$	3,626,000	\$	3,621,886	\$	4,114		\$	3,832,000	\$	3,817,622	\$	14,378		\$ 200,868.00
CM Fee (Overhead & Profit)	\$	4,316,000	\$	4,617,905	\$	(301,905)		\$	4,561,000	\$	4,867,469	\$	(306,469)		\$ 247,282.00
CM GMP Contingency	\$	4,209,900	\$	5,680,023	\$	(1,470,123)		\$	4,449,600	\$	5,986,986	\$	(1,537,386)		\$ 273,331.50
Modular Classrooms	\$	9,350,000	\$	9,350,000	\$	-		\$	9,350,000	\$	9,350,000	\$	-		\$ -
Phasing / Scheduling Premium	\$	2,080,000	\$	1,672,101	\$	407,899		\$	2,200,000	\$	1,787,961	\$	412,039		\$ 117,930.09
Escalation	\$	16,840,000	\$	15,156,338	\$	1,683,662		\$	17,799,000	\$	16,020,134	\$	1,778,866		\$ 911,398.00
TOTAL ESTIMATED CONSTRUCTION COSTS	\$	213,353,447	\$	204,479,881	\$	8,873,566		\$	225,498,694	\$	216,691,162	\$	8,807,532		\$ 12,178,264
Soft Costs Calculated at 25%	\$	53,338,362	\$	51,119,970	\$	2,218,391		\$	56,374,674	\$	54,172,791	\$	2,201,883		\$ 3,044,566.02
TOTAL ESTIMATED PROJECT COSTS	\$	266,691,809	\$	255,599,852	\$	11,091,957		\$	281,873,368	\$	270,863,953	\$	11,009,414		\$ 15,222,830

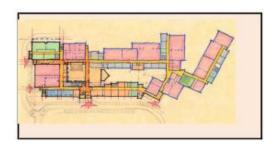




#### EVALUATION MATRIX



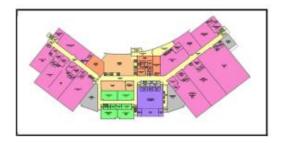
AR.1 –Addition/Renovation



NC.2.0 –
 New Construction - Linear



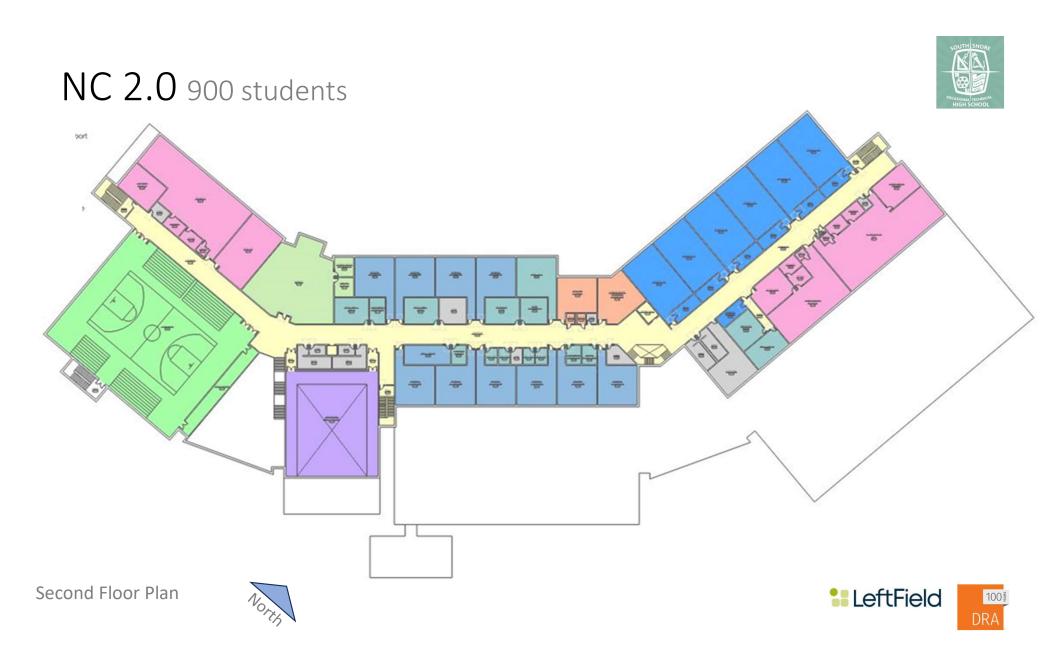
NC.2.1 –
 New Construction – Central Core





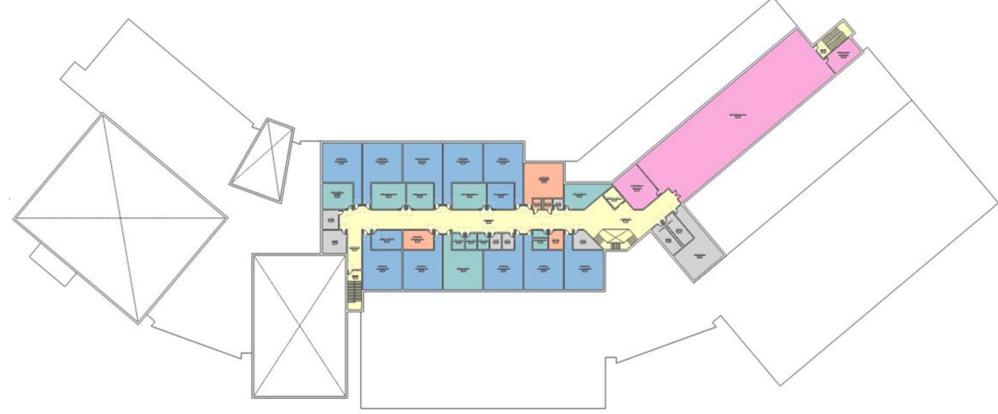


# NC 2.0 900 students First Floor Plan **LeftField**



#### NC 2.0 900 students





Third Floor Plan

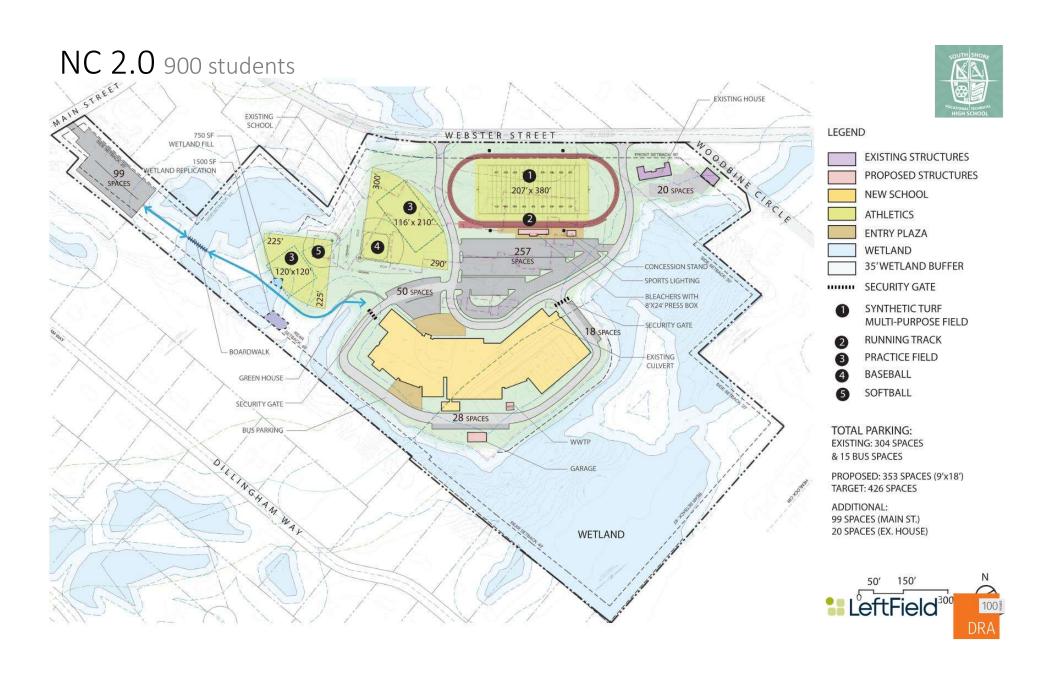






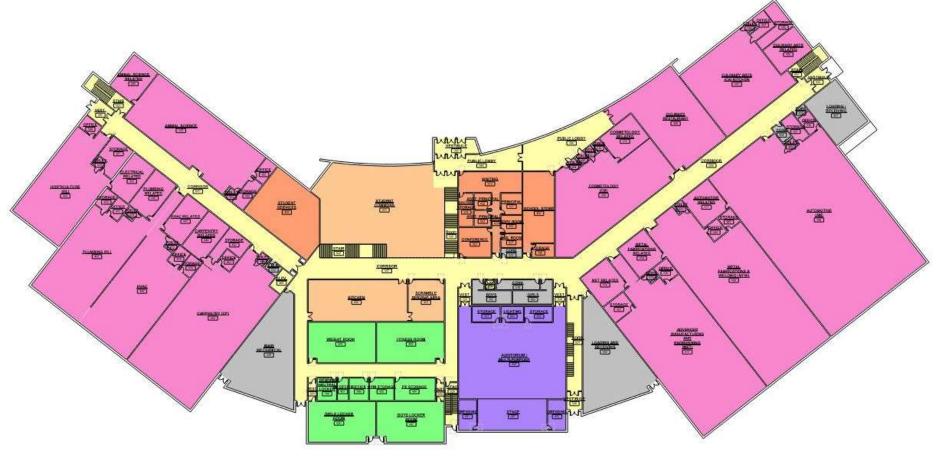






#### NC 2.1 900 students





First Floor Plan

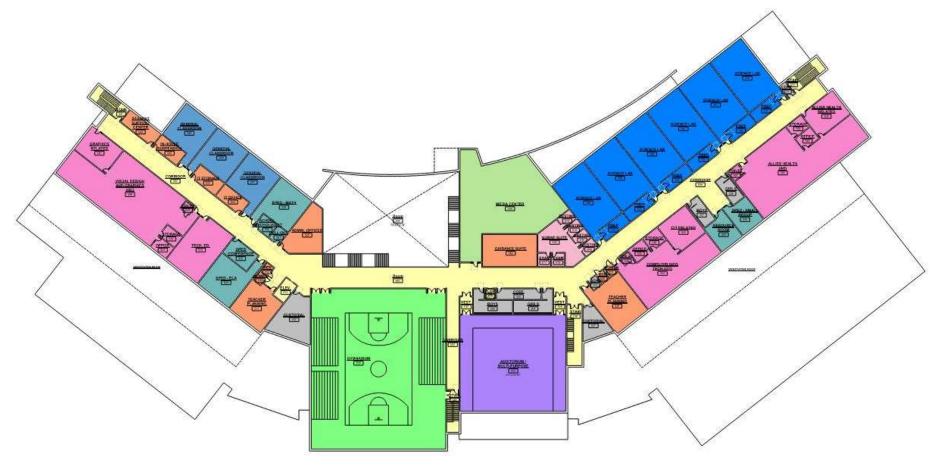






#### NC 2.1 900 students





Second Floor Plan

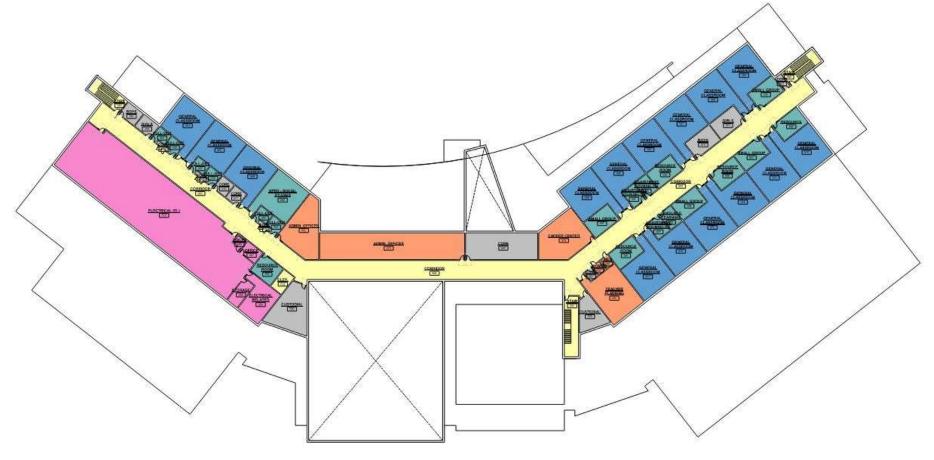






#### NC 2.0 900 students





Third Floor Plan

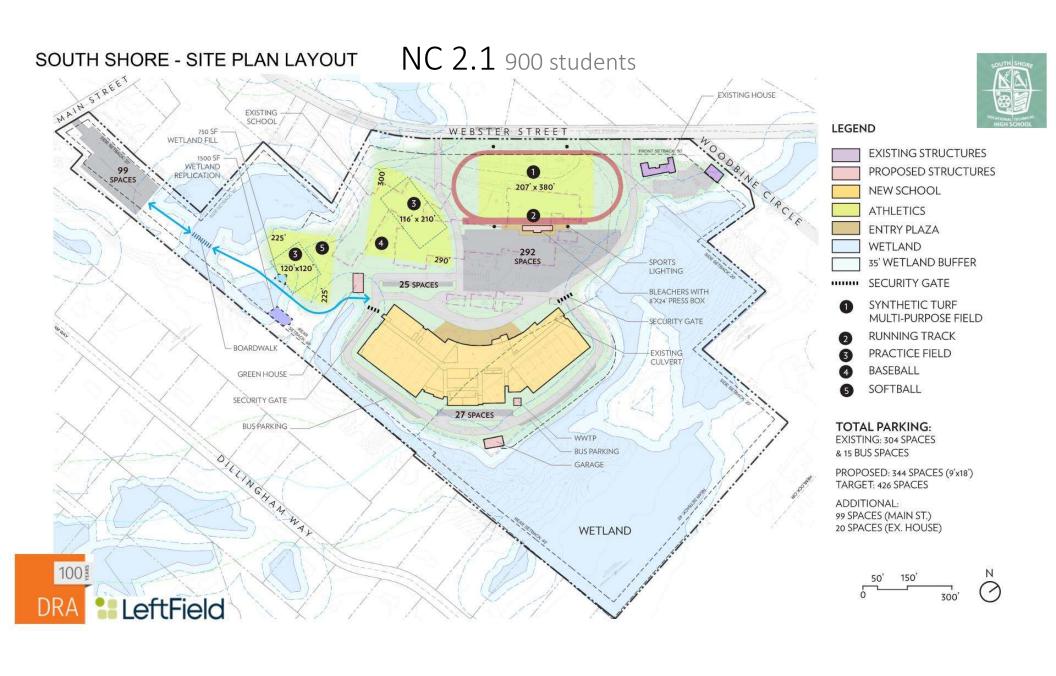










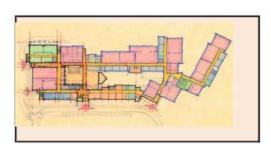


	Updated:							
	1/16/2024							
			MSBA Required	Add/ Reno Options	New Constru	tion Options		
			Base Repair	AR.1	NC.2.0	NC.2.1		
	Evaluation Criteria		Code Renovation	L - Shaped	Linear	Center Core		
	Construction Duration:		multiple years	3+ years	2+ years	2+ years		
				Addresses most Space Needs	Good Ed Plan Conformance	Good Ed Plan Conformance		
1	Ed Plan Accommodation Compliance w/ Vision		doesn't address any educational deficiencies	Lacks meaningful integration of academic & CTE spaces Poor career cluster adjacencies	Multi-purpose Student Commons	Clear "Heart of the School" space		
	Project Cost			Slightly Lower initial cost	Slightly Higher Initial Construction Cost	Highest Initial Construction Cost		
2	Reimbursable Cost Temporary Costs			Higher reimbursment rate for renovation	Best Long-Term Value	Best Long-Term Value		
	Long-term Value			High (non-reimbursable) temporary costs.	Few non-reimbursable temporary costs	Few non-reimbursable temporary costs		
	Disruption			Phased construction adjasent to occupancy	Minimal impact on adjasent occupncy. Loss of Athletic Fields during construction.	Minimal impact on adjasent occupncy. Loss of Athletic Fields during construction.		
3	Impact on Students Construction Duration			Long construction schedule	Short duration	Short duration		
	Phasing			Multi-phase renovation	2 phases: 1. New construction, 2 Demolition & Sitework	2 phases: 1. New construction, 2 Demolition & Sitework		
	Flexibility			Some Flexibility	Good Flexibility,	Good Flexibility,		
4	Community Use			Good community use	Better Community access & Separation	Good Community access		
	Expansion Potential			Limited expansion potential	Limited expansion potential	Limited expansion potential		

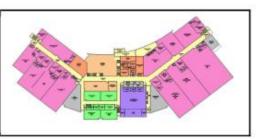


positive / most advantageous

negative / least advantageous







	Updated:									
	1/16/2024									
		MSBA Required	Add/ Reno Options	New Constru	onstruction Options					
		Base Repair	AR.1	NC.2.0	NC.2.1					
	Evaluation Criteria	Code Renovation	L - Shaped	Linear	Center Core					
	Construction Duration:	multiple years	3+ years	2+ years	2+ years					
			Generally all new finish materials & systems	All new construction, infrastructure, & MEP systems	All new construction, infrastructure, & MEP systems					
5	Operating Costs Maintenance		Some existing infrastructure remains	Best thermal envelope	Best thermal envelope					
			Limited Building envelope upgrade							
			Site circulation similar to existing	Site approach offset from entrance	Site Approach focused on School, entry					
6	Site Access		Potential admin presence at existing public entrance	Central, secure access to public shops	Central, secure access to public shops					
	Safety & Security Circulation/ Flow			Good separation of assembly & academic areas, but with long linear corridor	Shorter internal travel distance to core, but potentially disrupts cafeteria					
L			Remains somewhat sprawling	Contained Outdoor Student gathering area	Outdoor Student gathering area in front					
			Similar to existing	Building layout follows buildable area	Wings create shared outdoor collaboration area					
	Final Site layout Site amenities			Good relationship of lockers to athletic fields	Long distance around back of building from lockers to athletic fields					
7	Impact to Abutters		No additional site amenities	Separate Buses and Car drop-offs in front Patio off of the Commons	Bus access at rear Patio off of the Commons					
			Minimal new impact to abutters	Playing fields may impact abutters	Playing fields may impact abutters					
				School setback from street	School setback from street					
8	Civic Image / Aesthetics		New "front door" and civic image	Athletic fields & parking in front yard	Athletic fields & parking in front yard					
				All new construction = all new image	All new construction = all new image					
	5	positive / most advantageous								
	4									
	3	neutral	A STATE OF THE STA							
	2				***************************************					
	1	negative / least advantageous								

negative / least advantageous

# Thank you!

#### Please note:

Upcoming Community Meetings:

January 25

SBC Meeting

January 25

Public Forum

Brass Lantern Abington Town Hall 5 pm 7 pm

**School Building Committee** 



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