



# DENNIS-YARMOUTH SCHOOL PROJECT

SCHOOL BUILDING COMMITTEE March 8, 2018







### **SCHEDULE AND DECISIONS**

- Wednesday, Jan. 10 SBC (review options preferred site)
- Wednesday, Jan. 31 Abutters Meeting #1
- Wednesday Jan. 31 SBC (options refinements, massing & shadow studies)
- Thursday, Feb. 15 SBC (options refinements + systems & energy modeling)
- Wednesday, Feb. 28 SBC (options refinements + re-evaluation of sites and plans)
- Wednesday, Feb. 28 Abutters Meeting #2
- Wednesday, Mar. 8 SBC Selection of Preferred Solution
- Wednesday, Apr. 11 SBC (cost discussion following estimate reconciliation)
- Monday, Apr. 23 Joint BoS, Finance, School Committee
- Wednesday, Apr. 25 SBC (vote to submit Preferred Schematic Report)
- Wednesday, May 9 Compile & Submit PSR
- Wednesday, May 23 MSBA Facilities Assessment Subcommittee Meeting
- Wednesday, Jun. 27 MSBA Board of Directors (for PSR approval)

## PROJECT SCHEDULE (1/2)

	- AGGRESSIVE FS SCHEDULE	PMA MSB/	A Project Layout	09-Ja
ity ID	Activity Name	Original Start Duration	Finish	Total F M A M J J A S O N D J F M A M J J A S O N D J
Mattachee	se MS - AGGRESSIVE FS SCHEDULE			
OPM Sele	ction			
A1000	OPM Interviews	0 26-Jan-17 A	1 -	OPMIniterviews
A1010	OPM Selection Period	10 26-Jan-17 A	31-Jan-17 A	L ΦPM Selection Period
A1020	MSBA OPM Selection Panel	1 06-Mar-17 A	06-Mar-17 A	MSBAOPM Selection Panel
Designer	Selection			
A1030	OPM Draft Designer RFS	5 01-Feb-17 A	07-Mar-17 A	dPM Draft Designer RPS
A1400	Newspaper Ad Submission	1 09-Mar-17 A	09-Mar-17 A	Newspaper Ad Submission
A1040	MSBA Approval Designer RFS	10 07-Mar-17 A	15-Mar-17 A	■ MSBA Approval Designer RFS
A1380	Central Register Ad Submission (Thursday Deadline)	1 15-Mar-17 A	15-Mar-17 A	Central Register Ad Submission (Thursday Deadline)
A1060	Newspaper Advertisement Appears (Sunday)	1 19-Mar-17 A	19-Mar-17 A	Newspaper Advertisement Appears (Sunday)
A1390	Central Register Ad Appears (Wednesday)	1 22-Mar-17 A	22-Mar-17 A	Central Register Ad Appears (Wednesday)
A1050	Designer RFS Response Period	13 22-Mar-17 A	07-Apr-17 A	Desigher RFS Response Périod
A1410	SBC Meeting (moved to Apr 12th)	1 12-Apr-17 A	12-Apr-17 A	\$BC Mediting (moved to Apl 12th)
A1430	Initial RFS Review - Prep for SBC Presentation	3 10-Apr-17A	12-Apr-17 A	Initial:RFS Review- Prep for SBC Presentation
A1070	Evaluate Responses & Submit to MSBA	5 10-Apr-17 A	13-Apr-17 A	EvaliµatelResponses & Sulpmit to MSBAl
A1420	Complete Reference Checks	10 10-Apr-17 A	26-Apr-17 A	Complete Reference Checks
A1080	Designer Selection Panel Mtg #1	0	02-May-17 A	Designer Selection Panel Mtb #1
A1090	Designer Selection Panel Mtg #2	0	16-May-17 A	Designer Selection Pahel Vitg #2
A1100	Negotiate & Execute Contract	10 17-May-17 A	15-Jun-17 A	Negotiate & Execute Contract
	ry Design Program	10 11 000 1111	no dan 1173	
A1110	School Dept Update Education Program	60 14-Mar-17 A	15-Jun-17 A	School Dept Update Education Program
A1470	PMA Project Presentation to Joint BoS/Fincom	1 27-Jun-17 A	27-Jun-17 A	PMA Project Presentation to Joint BoS/Findom
A1460	Formation of D-Y Regionalization Subcommittee (BoS & Fincom)	1 11-Jul-17 A	11-Jul-17 A	Pormation of D-Y Regionalization Subcommittee (BoS.& Fincom)
A1500	Educational Leadership Team Meeting #01 [23Aug18]	1 23-Aug-17 A	23-Aug-17 A	Educational Leadership Team Meeting:#01:[23Aug18]
A1130	Evaluation of Existing Conditions	55 16-Jun-17A	31-Aug-17 A	Evaluation of Existing Conditions
A1480	Visioning Session #1 [20Sep18]	1 20-Sep-17 A	20-Sep-17 A	[Visioning Session #1 [20Sep18]
A1490	Visioning Session #2 [28Sep18]	1 27-Sep-17 A	27-Sep-17 A	Visioning Session #2 [28Sep18]
A1150	Preliminary Evaluation of Alternatives	90 15-Jun-17 A	05-Oct-17 A	Preliminary Evaluation of Alternatives
A1120	Draft Initial Space Summary	4 20-Sep-17 A	18-Oct-17 A	Draft Initial Space Surfumary
A1140	Establish Site Development Requirements	15 20-Sep-17 A	18-Oct-17 A	Establish Site Dévelopment Requirements
A1190	Education Program Refined with Designer Input	81 16-Jun-17 A	18-Oct-17 A	Education Program Refined with Designer laput:
A1210	Cost & Schedule Analysis of PDP Alternatives	18 05-Oct-17A	08-Nov-17 A	Cost & Schedule Ahalysis of PDP Alternatives
A1200	Final Review & Acceptance of Education Program	5 18-Oct-17A	15-Nov-17 A	Final Review & Acceptance of Education Program
A1220	SBC Approval of PDP Alternatives (11/15/17 Deadline)	5 18-Oct-17 A	15-Nov-17 A	SBC Approval of PDP Alternatives (11/15/17 Deadline)
A1160	Compile & Submit PDP to MSBA	4 16-Nov-17 A	21-Nov-17 A	Compiles & Submit PDP to MSBA
A1170	MSBA Review Period	15 22-Nov-17 A	10-Jan-18	0 SBA Review Penfod
A1180	Respond to MSBA Review Comments	10 11-Jan-18	24-Jan-18	Respond to MSBA Review Comments:  ■ Respond to MSBA Review Comments:
	Schematic Report		( and the second	
A1230	Evaluation of Existing Conditions (Phase II Exploration)	22 14-Dec-17 A	12-Jan-18	23 Evaluation of Existing Conditions (Phase II Exploration
A1240	Final Evaluation of Alternatives	30 25-Jan-18	07-Mar-18	0 Final Evaluation of Alterhatives
A1600	PE Compile Scope for Estimators	6 08-Mar-18	15-Mar-18	9 PE Compile Scope for Estimators

### PROJECT SCHEDULE (2/2)

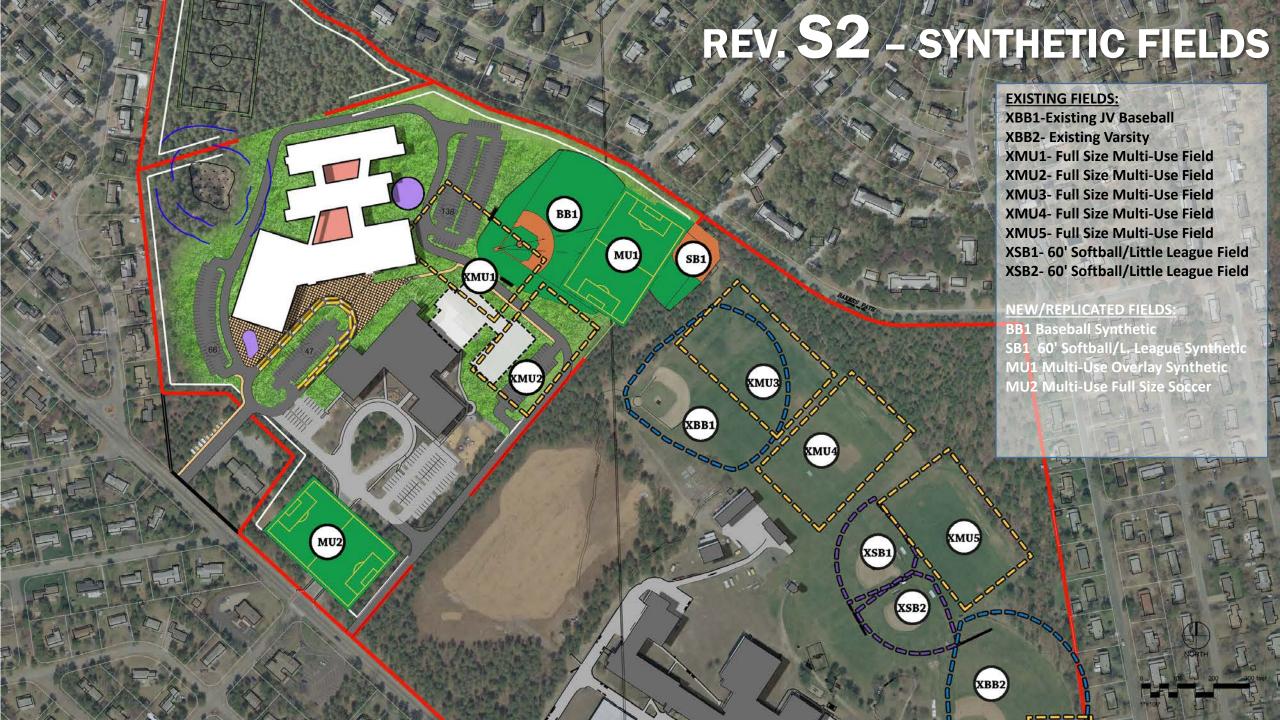
	- AGGRESSIVE FS SCHEDULE	PMA MSBA Project Layout						09-Jan-18 1				
ity ID	Activity Name	Original Duration	Start	Finish	Total F Float	M	A	M	J J A S O N D	J F M A M J J A S O N D J F		
A1250	Identification and Development of Preferred Solution	20	08-Mar-18	04-Apr-18	0	ΨШ	iтт	щ		Identification and Development of Preferred St		
A1450	Finalize Conceptual Estimates	10	22-Mar-18	04-Apr-18	5	1	i i	1		Finalizie Conceptual Estimates		
A1610	Reconcile Conceptual Estimates	8	05-Apr-18	16-Apr-18	5	j _	i i	- 1		Reconcile Conceptual Estimates		
A1260	PMA Draft Local Actions and Approvals Document	4	26-Apr-18	01-May-18	0	1				PMA Draft Local Actions and Approvals Do		
A1310	Compile and Submit PSR [Due 09May18]		03-May-18	09-May-18*	0		1	-		Compile and Submit P\$R [Due 09May18		
A1290	MSBA Facilities Assessment Subcommittee Option #1 [23May18]	1	23-May-18	23-May-18*	0	1	ŧί	1	1 1 1 1 1 1 1	MSBA Pacilities Assessment Subcommi		
A1280	MSBA PSR Review Period	15	10-May-18	30-May-18	10	1	1 1	1		MSBA PSR Review Period		
A1440	MSBA Facilities Assessment Subcommittee Option #2 [06Jun18]	1	06-Jun-18	06-Jun-18*	0	1	! !	1		MSBA Facilities Assessment Subcom		
A1300	Response to MSBA PSR Review Comments Due	10	31-May-18	13-Jun-18	10	†·	1			Response to MSBAP\$R Review Co		
A1270	MSBA Board of Directors Approval of PSR [27Jun18]	0	The Activity of the Committee of the Com	27-Jun-18*	0		1 1	1		MSBA Board of Directors Approval		
PSR Meet	ting Schedule			1				1				
A1640	Athletic Field Review Meeting	1	11-Dec-17 A	11-Dec-17 A		4	† †	1	I I I I I I I A	hletic Field Review Meeting		
A1510	SBC Meeting - Narrow List of Options	1	13-Dec-17 A	13-Dec-17 A		1	1 1	-1	1 1 1 1 1 1 1 1 1 1 1 1 1	BC Meeting - Narrow List of Options		
A1520	SBC Meeting - Updated Site & Floor Plans & Further Narrow Options		10-Jan-18 A	10-Jan-18 A	1					SBC Meeting - Updated Site & Floor Plans & Further Narro		
A1660	Faculty Focus Group Meetings		10-Jan-18*	16-Jan-18	38	4	1 1	1	111111	Faculty Focus Group Meetings		
A1530	SBC Meeting - Massing/Shadow Studies, Traffic, Field & Abutters Update	1	31-Jan-18*	31-Jan-18	32	i i	ΪÌ	1		SBC Meeting - Massing/Shadow Studies, Traffic, Field &		
A1650	Abutters Meeting	1	31-Jan-18*	31-Jan-18	32			1		Abutters Meeting		
A1670	Security, Sustainbility and MEP Systems Workshops		05-Feb-18*	09-Feb-18	25	9	1 1	1		Security, Sustainbility and MEP Systems Workshops		
A1540	SBC Meeting - Prelim Energy Models & MEP Systems	1	15-Feb-18*	15-Feb-18	22	· † · · · ·	14			SBC Meeting - Prelim Energy Wodels & MEP Systems		
A1550	SBC Meeting - Final Scope Review Prior to Estimating	1	07-Mar-18*	07-Mar-18	9	1	1 1	1		SBC Meeting - Final Scope Review Prior to Estimat		
A1560	SBC Meeting - Cost Discussion	1	17-Apr-18*	17-Apr-18	5	9	1 1	1		SBC Meeting - Cost Discussion		
A1570	SBC Meeting - Vote to Select Preferred Design & Submit PSR	1	25-Apr-18*	25-Apr-18	0		1 1		+ + + + + + +	SBC Meeting - Vote to Select Preferred Des		
A1580	SBC Meeting - Vote to Certify Minutes (Local Actions & Approvals)	1	02-May-18*	02-May-18	0	1		1		SBC Meeting - Vote to Certify Minutes (Loc		
Permittin	ig g					1	7 1	7				
A1680	Submit PNF to MHC		05-Apr-18	18-Apr-18	0	1	1 1	1		Subjnit FINF to MHC		
A1690	MHC Review Period	25	19-Apr-18	23-May-18	0	1	1 1	1	MHC Review Period			
Schematic	c Design					1	1	1				
A1590	Deadline for Submission of State Ballot Question to AG	1	02-Aug-18	02-Aug-18*	0		1 1	1		Deadline for Submission of S		
A1320	Schematic Design Period (Begin after FAS)	100	24-May-18	10-Oct-18	0	1	TT	7		\$chematic Design		
A1330	Compile and Submit SD to MSBA [Due 17Oct18]	5	11-Oct-18	17-Oct-18*	0	4	1 1	1	+ + + + + + +	Compile and Subh		
A1700	Project Funding Vote	1	06-Nov-18	06-Nov-18*	.0	i	† †	1	111111	Froject Funding		
A1340	MSBA Review Period	15	18-Oct-18	07-Nov-18	10	1	Ιį	- 1	1111111	MSBA Review		
A1350	Respond to MSBA Review Comments	10	08-Nov-18	21-Nov-18	15	1	1 1	1	+++++	Respond to		
A1370	Establish Project Funding Agreement	15	08-Nov-18	28-Nov-18	10	1	T	7		Establish Ph		
A1360	MSBA Board Approval of Project Scope and Budget [12Dec18]	0		12-Dec-18*	0	1	1 1	i		\$ M/SBA Box		
Funding /	Authorization						1 1	1				
A1620	Town Meeting - Town of Yarmouth - Project Update	1	13-Apr-18*	13-Apr-18	0	1	† †	- 1	+ + + + + + + +	Town Meeting - Town of Yarmouth - Project U		
A1630	Town Meeting - Town of Dennis - Project Update	1	08-May-18*	08-May-18	0	1	i i	1	111111	Town Meeting - Town of Dennis - Project		
A1720	July Board of Selectmen [DATES TO BE CONFIRMED] - Ballot Vote Authorization	22	02-Jul-18*	31-Jul-18	0	1	i di	7		July Board of Selectmen [DA]		
A1730	Deadline for Submission of State Ballot Question to AG	1	01-Aug-18	01-Aug-18*	0	1		1		Deadline for Submission of S		
A1740	October Town Meeting Vote [DATES TO BE CONFIRMED] - Warrant Article	23	01-Oct-18*	31-Oct-18	0	1	1-1	i		October Town N		
A1750	Local Funding Authorization - Ballot Vote	1	06-Nov-18	06-Nov-18*	0		1 1	1	4 1 1 1 1 1 1	LocalFunding		





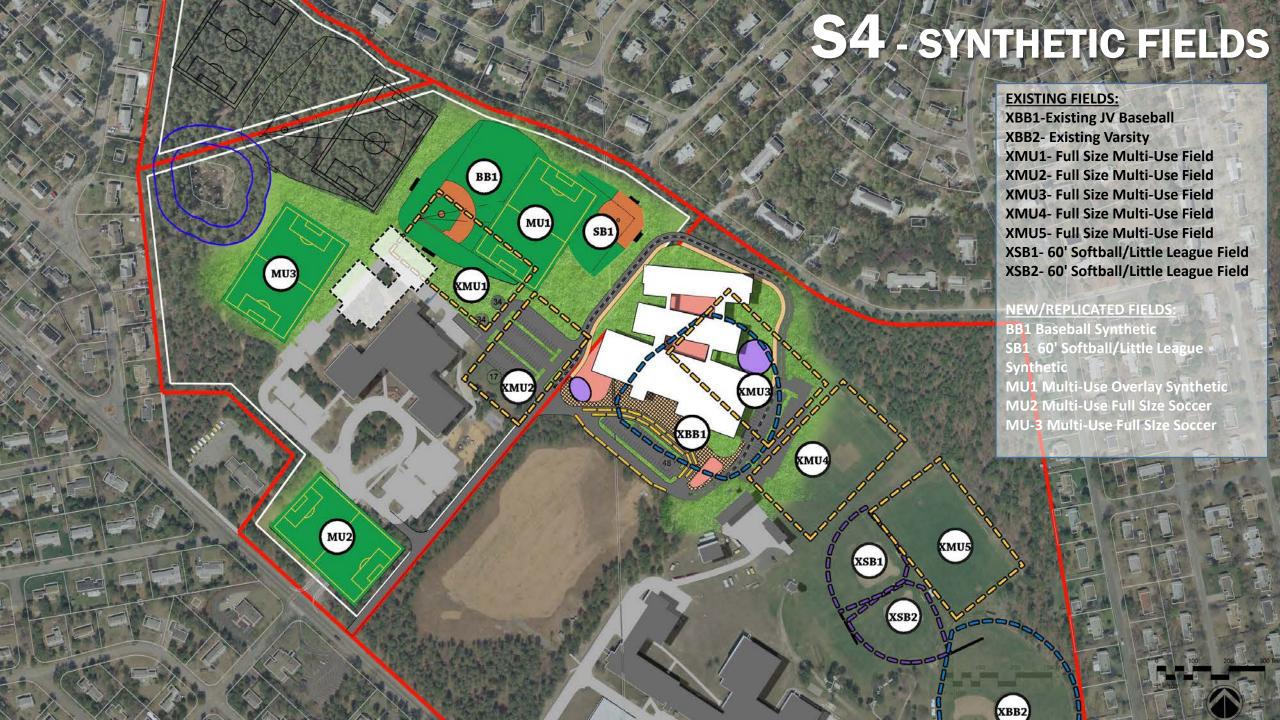












# **MASSING STUDIES - EXISTING**



# **MASSING STUDIES - S2**



# MASSING STUDIES - REV. S2



# MASSING STUDIES - REV. S2 ALT



# **MASSING STUDIES - S4**



# **OPTIONS ON EXISTING SITES**



M1 (Mattacheese Gr. 6-7)

W2 (Wixon Gr. 4-7)





PRIOR S2 & REV. S2 COMM-FRONT (Gr. 4-7)

S4 COMM-FRONT (Gr. 4-7)

### **FINAL EVALUATION OF OPTIONS**



### MRX MATTACHEESE SITE CODE + REPAIRS ONLY

Relatively Flat Site, 70 Acre (40 useable, 21 developed) Aquafer-protect + Wetland

Repair Costs Trigger 30% Threshold Requiring Full Accessibility Compliance & Renovation

Waffle Slab Construction
Difficult To Renovate –
Limited Room For Modern
Mechanical Systems

Will Not Meet Educational Program – MSBA Core Program Will Not Support

Occupied Phased Reno Cost Prohibitive & Disruptive



### M1 MATTACHEESE SITE ALL NEW (GR. 6-7)

Relatively Flat Site, 70 Acre (40 useable, 21 developed) Aquafer-protect + Wetland

Site/Traffic Considerations: Remains Similar To Existing Separate Bus & Car Loops

<u>Construction/Phasing:</u> Limited Impact To School (Mostly Parking & Access)

Educational & Community:
Keeps Existing Transitions
Aud. Opens to Cafeteria
Media Center as Jewel
Does Not Address Wixon
Deficiencies Outlined inSOI
Cost Considerations:
Less Cost Immediately
Much Higher Cost Overall
w/ Wixon Addressed Later



### W2 WIXON SITE ALL NEW (GR. 4-7)

Partial Sloped Site, 34 Acre (30 useable, 23 developed) Wellhd, Historic + Wetland

Site/Traffic Considerations: Increased Traffic Shorter Que For More Cars Car Loop Not Near Entry Too Close To Main Road Keeps Existing Playground

Construction/Phasing:
Limited Impact To School
(Mostly Parking & Access)
Temp. Loss Of Track/Field
Educational & Community:
Not Centrally Located,
Creates Inequitable Travel,
Lacks Community Support
Aud. Opens to Cafeteria
Media Center as Jewel
Cost Considerations:
Less Cost Over Time With
2 Schools Addressed Now
Slightly More Than S2 & S4



S2 STATION AVE SITE ALL NEW (GR. 4-7)



REV.S2 STATION AVE ALL NEW (GR. 4-7)



S4 STATION AVE SITE ALL NEW (GR. 4-7)

Relatively Flat Site, 70 acre (40 useable, approximately 25 developed),

Aquafer Protection Distr. and Wetland)

Site/Traffic Considerations:
Travel Equity; Both Towns
Utilizes Existing Curb Cuts
Long Car Que (Off-street)
More Fields Close to HS

<u>Construction/Phasing:</u> Minimal Impact To Schools Limited Field Disturbance

Educational & Community: Centralizes Facilities to All Bldg Proximity To Homes Aud. Opens to Cafeteria Media Center as Jewel

<u>Cost Considerations</u>: Least Cost Over Time With 2 Schools Addressed Now Site/Traffic Considerations: Travel Equity; Both Towns Utilizes Existing Curb Cuts Long Car Que (Off-street) More Fields Close to HS

Construction/Phasing:
Minimal Impact To Schools
Limited Field Disturbance

Educational & Community: Centralizes Facilities to All Bldg Proximity To SES Aud. Opens to Cafeteria Media Center as Jewel

<u>Cost Considerations</u>: Least Cost Over Time With 2 Schools Addressed Now Site/Traffic Considerations:
Travel Equity; Both Towns
Utilizes Existing Curb Cuts
Long Car Que (Off-street)
More of a Campus Feel
Many Fields Far From HS
...incl. Toilets & Parking
Construction/Phasing:
Minimal Impact To Schools
Limited Field Disturbance
(with new fields built first)
Educational & Community:
Centralizes Facilities to All
Field Proximity To Homes

<u>Cost Considerations</u>: Less Cost Over Time With 2 Schools Addressed Now

Hallway Splits Caf/Kitchen

### **OVERALL COST COMPARISONS**

### CONCEPTUAL LEVEL COST SCENARIO

