



**PERKINS —
EASTMAN**

Photo courtesy of TripAdvisor



DENNIS-YARMOUTH SCHOOL PROJECT

SCHOOL BUILDING COMMITTEE

January 10, 2018



SCHEDULE AND DECISIONS

Wednesday, Jan. 10 – SBC (review options on preferred site)

Wednesday, Jan. 31 – SBC (option refinements, massing & shadow studies)

Thursday, Feb. 15 – SBC (options refinements + systems & energy modeling)

Wednesday, Feb. 28 - SBC Selection of Preferred Solution

Wednesday, Mar. 7- SBC (final scope review, what's in/what's out)

Wednesday, Mar. 7 - Local Actions & Approvals of Solution (BoS/Fin Com/SC)

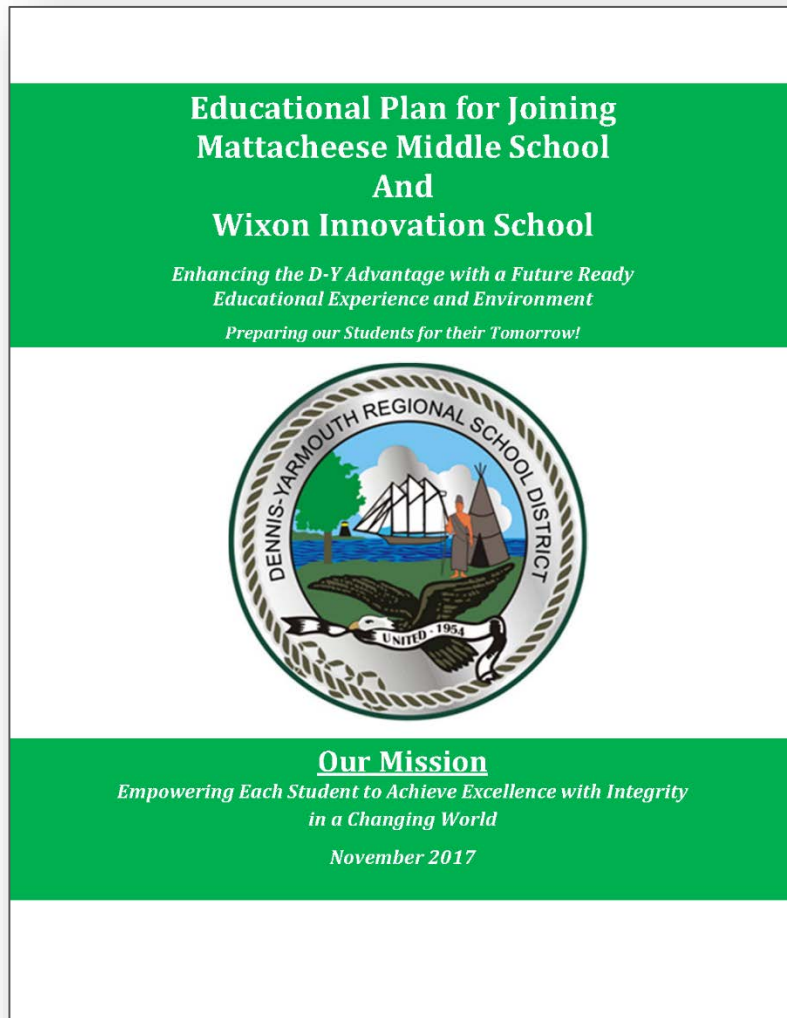
Wednesday, Apr. 11 - SBC (cost discussion)

Monday, Apr 23 - Joint BoS, Finance, School Committee (update)

Wednesday, May 9 - Compile & Submit PSR

Wednesday, May 23 - MSBA Facilities Assessment Subcommittee Meeting

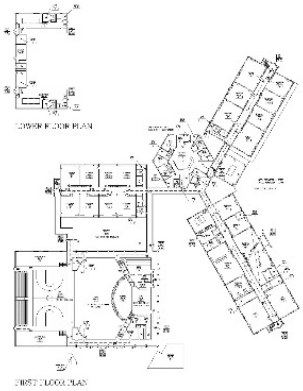
Wednesday, Jun. 27 - MSBA Board of Directors Approval of PSR



RECAP - EDUCATIONAL PLAN

- Desire to Extend MMS Day (match Wixon)
- Combined Grade Configuration and Central Location Preferred
- Small School Feel (separate zones)
- Zoned for Community Use/Access
- Academic Clusters
- Support Co-Teaching
- Flexible/Agile Spaces (incl. folding walls)
- Small Group / Pull-out Spaces Needed
- Transparency
- Small Class Sizes (20)
- Robust Music Needs
- Substantial Special Education
- 2 Lunch Seatings
- Outdoor Learning

PREFERRED OPTIONS (GR. 4-7)



MRX MATTACHEESE SITE CODE + REPAIRS ONLY

Relatively Flat Site, 70 acres
(40 useable)

Limited Constraints

- Aquafer Protection Distr.
- Adjacent Wetland

Repair cost triggers 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
renovation cost prohibitive
& disruptive



M2 MATTACHEESE SITE ALL NEW (GR. 4-7)

Relatively Flat Site, 70 acres
(40 useable, 25 developed)

Limited Constraints

- Aquafer Protection Distr.
- Adjacent Wetland

Able to satisfy educational
program

Virtually no impact to school

Allows use of more cost
effective chapter 149
procurement

Will require demolition of
existing buildings – Should be
reimbursable

Not centrally located



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

Partial Sloping Site, 34.4 a
(30 useable, 23 developed)

Several Constraints

- Wellhead Protection Distr.
- Old King Highway Historic
- Adjacent Wetland

Able to satisfy educational
program

Access to bikeway, existing
playground

Limits impact to school

Allows use of more cost
effective chapter 149
procurement

Not centrally located



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

Relatively Flat Site, 148 acre
(57 useable, 21 developed)

Limited Constraints

- part Aquafer Protect Distr.
- Wetlands

Able to satisfy educational
program

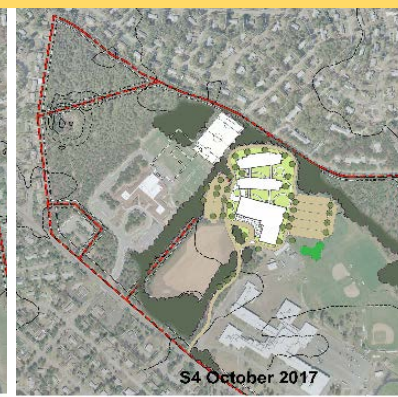
Limits impact to school

Allows use of more cost
effective chapter 149
procurement

Centrally located

Campus setting

Tight proximity to residential



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

Relatively Flat Site, 148 acre
(57 useable, 24 developed)

Limited Constraints

- part Aquafer Protect Distr.
- Wetlands, but not adjacent

Able to satisfy educational
program

Limits impact to schools

Allows use of more cost
effective chapter 149
procurement

Does address existing
deficiencies at Wixon as
outlined in SOI

Centrally located

Tight to existing maintenance
buildings

Loss of athletic field



S6 STATION AVE. SITE ALL NEW (GR. 4-7)

Relatively Flat Site, 148 acre
(57 useable, 22 developed)

Limited Constraints

- part Aquafer Protect Distr.
- Wetlands, but not adjacent

Able to satisfy educational
program

Virtually no impact to
school(s)

Allows use of more cost
effective chapter 149
procurement

Centrally located

Campus setting, Street
presence

Dependent upon cost and
terms of relocating existing
solar panel array

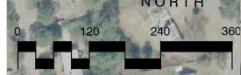
PREFERRED OPTIONS (GR. 4-7)

						
S2 COMMUNITY FRONT STATION AVE SITE-WEST	S2 COMMUNITY MIDDLE STATION AVE SITE-WEST	S4 COMMUNITY FRONT STATION AVE SITE-BACK	S4 COMMUNITY MIDDLE STATION AVE SITE-BACK	S6 COMMUNITY FRONT STATION AVE SITE-MID.	S6 COMMUNITY MIDDLE STATION AVE SITE-MID.	S6 COMMUNITY SPINE STATION AVE SITE-MID.
<p>Relatively Flat Site, 70 acre (40 useable/25 developed)</p>	<p>Relatively Flat Site, 70 acre (40 useable/25 developed)</p>	<p>Relatively Flat Site, 70 acre (40 useable/25 developed)</p>	<p>Relatively Flat Site, 70 acre (40 useable/25 developed)</p>	<p>Relatively Flat Site, 70 acre (40 useable/25 developed)</p>	<p>Relatively Flat Site, 70 acre (40 useable/25 developed)</p>	<p>Relatively Flat Site, 70 acre (40 useable/25 developed)</p>
<p>Limited Constraints - Aquafer Protection Distr. - Adjacent Wetland</p>	<p>Limited Constraints - Aquafer Protection Distr. - Adjacent Wetland</p>	<p>Limited Constraints - Aquafer Protection Distr. - Adjacent Wetland</p>	<p>Limited Constraints - Aquafer Protection Distr. - Adjacent Wetland</p>	<p>Limited Constraints - Aquafer Protection Distr. - Adjacent Wetland</p>	<p>Limited Constraints - Aquafer Protection Distr. - Adjacent Wetland</p>	<p>Limited Constraints - Aquafer Protection Distr. - Adjacent Wetland</p>
<p>Minimal Field Replication</p>	<p>Minimal Field Replication</p>	<p>Minimal Field Replication</p>	<p>Moderate Field Replication</p>	<p>No Field Replication Req'd</p>	<p>No Field Replication Req'd</p>	<p>No Field Replication Req'd</p>
<p>Contiguous CR's/Flexibility</p>	<p>Separate/Distinct CR wings</p>	<p>Contiguous CR's/Flexibility</p>	<p>Separate/Distinct CR wings</p>	<p>Civic Presence/Frontage</p>	<p>Civic Presence/Frontage</p>	<p>Civic Presence/Frontage</p>
<p>Major Tree Clearing Req'd</p>	<p>Major Tree Clearing Req'd</p>	<p>Solar Field Approach Pinch</p>	<p>Solar Field Approach Pinch</p>	<p>Good Campus Connectivity</p>	<p>Good Campus Connectivity</p>	<p>Good Campus Connectivity</p>
<p>Tight Proximity to Homes</p>	<p>Proximity to Homes</p>	<p>Proximity to Apartments</p>	<p>Proximity to Sewage and Maintenance Facilities</p>	<p>Separate/Distinct CR wings</p>	<p>Contiguous CR's/Flexibility</p>	<p>Contiguous CR's/Flexibility</p>
				<p>Solar Array Relocation</p>	<p>Solar Array Relocation</p>	
						<p>Main Entries Not in Front</p>
						<p>Solar Array Relocation</p>

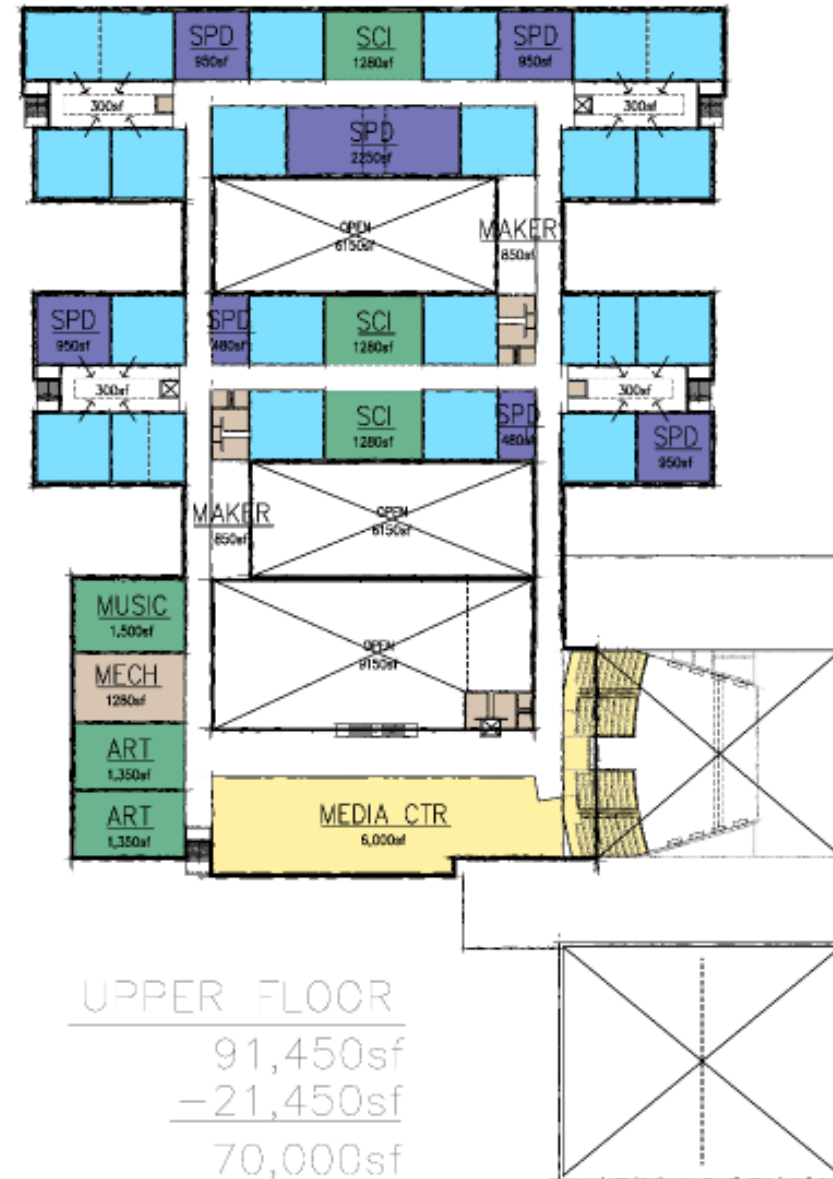
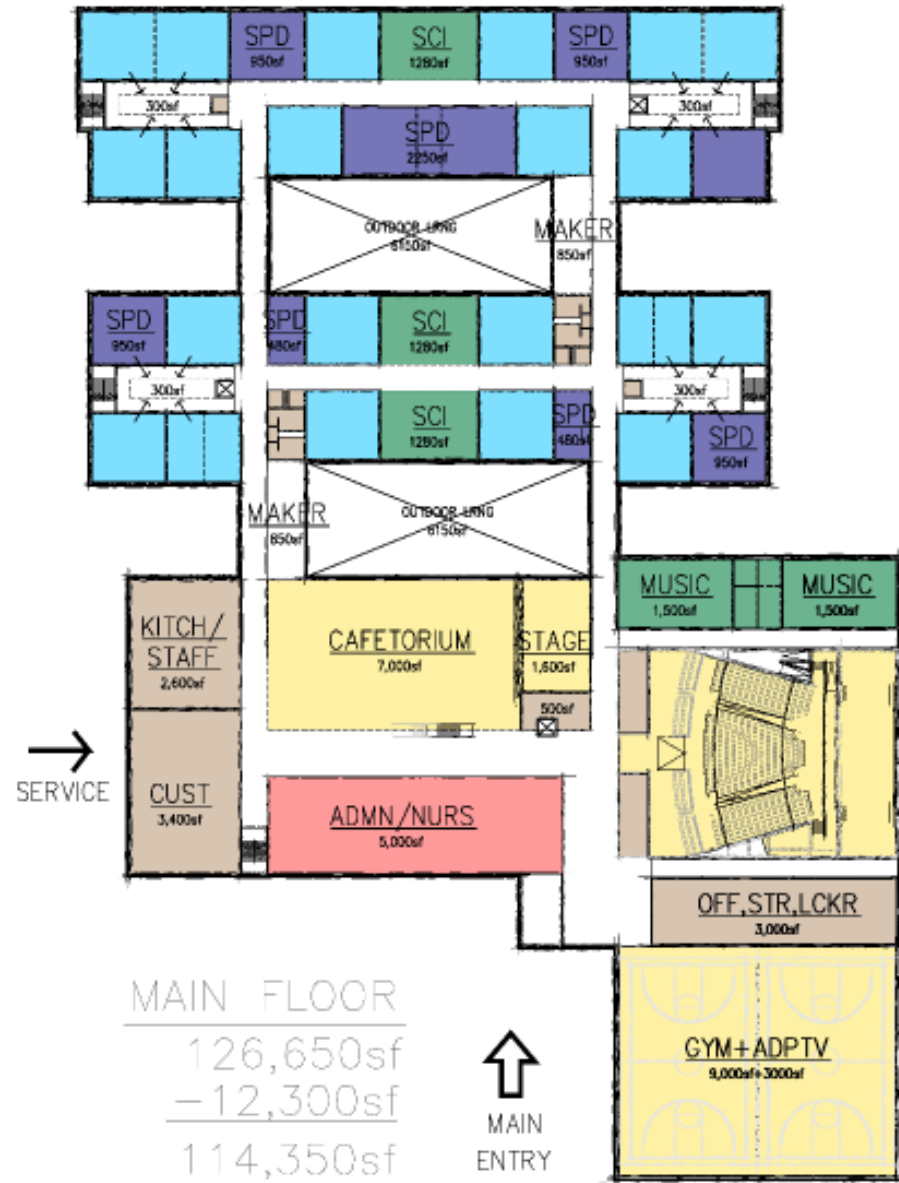
S2 - COMMUNITY FRONT

0 120 240 360

NORTH



S2 - COMMUNITY FRONT



S2 - COMMUNITY MIDDLE



NORTH



S2 - COMMUNITY MIDDLE

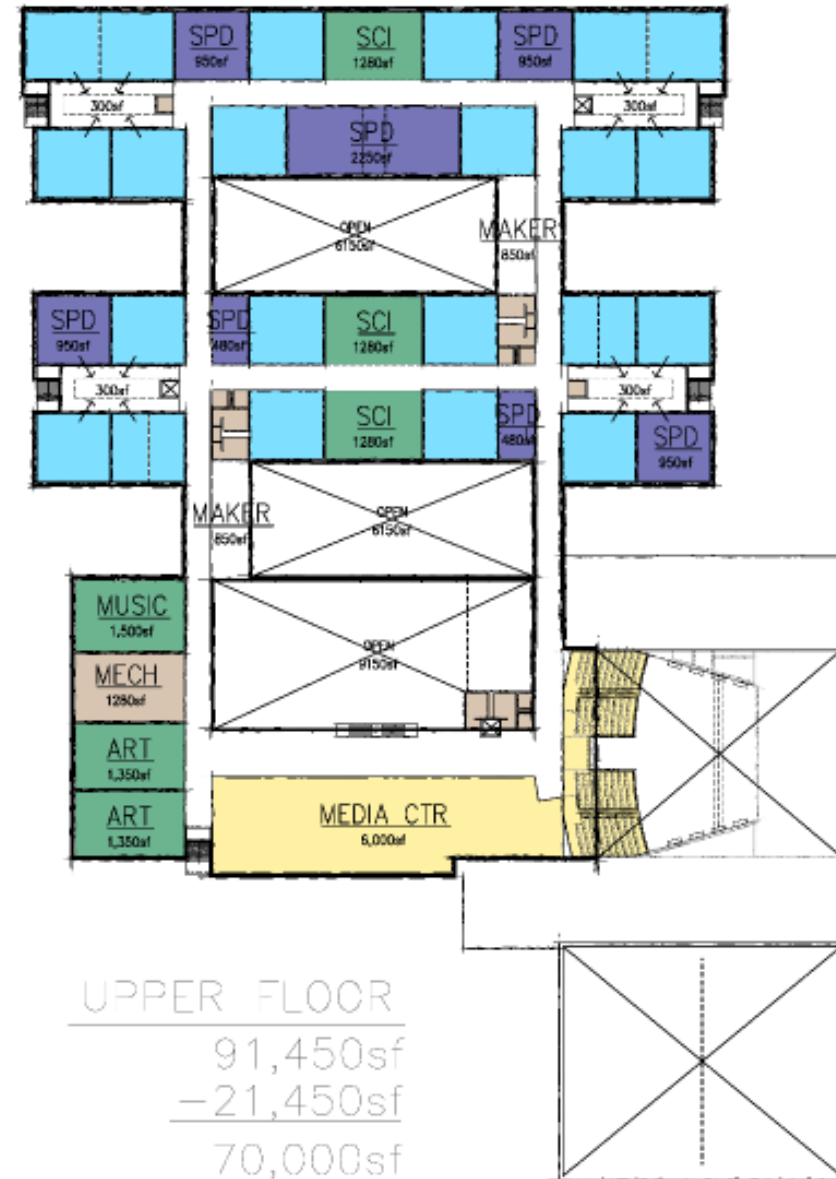
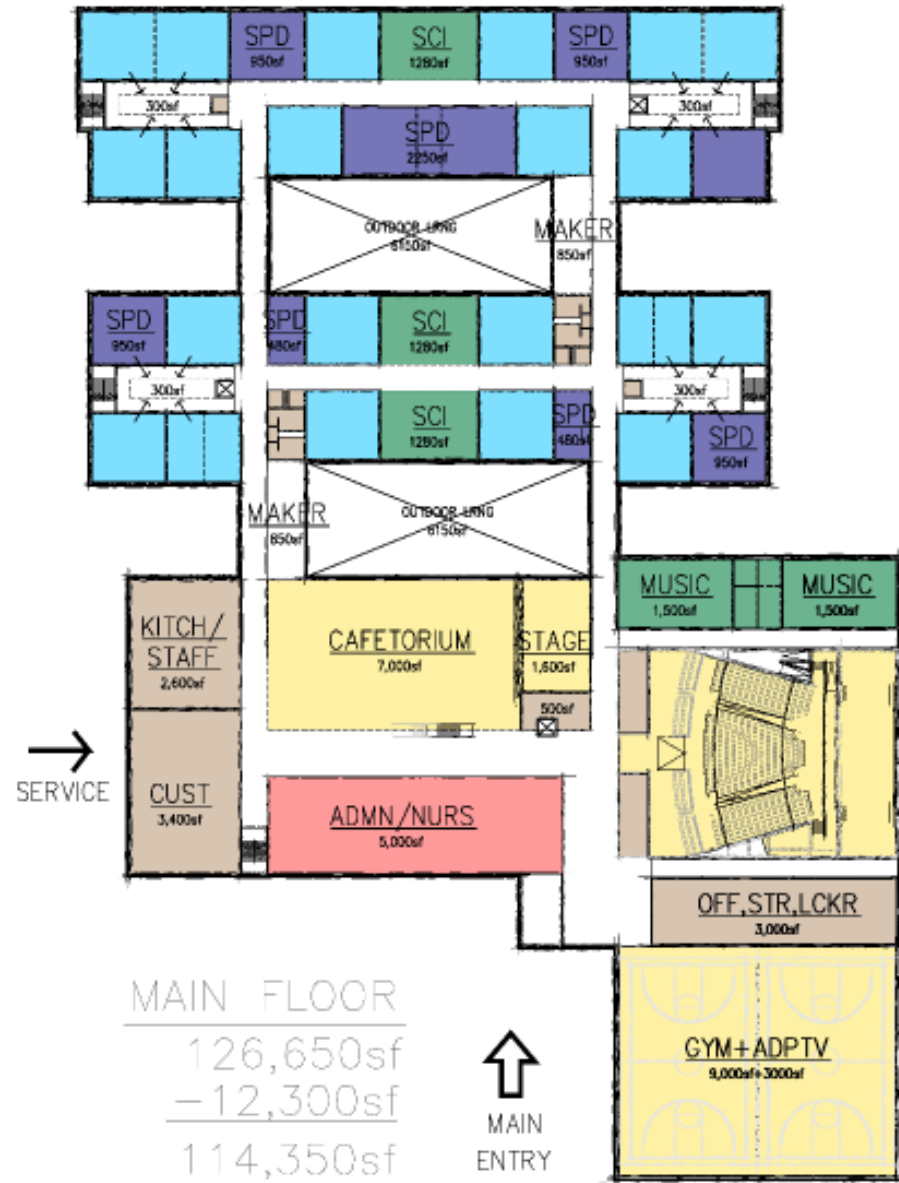


S4- COMMUNITY FRONT



0 120 240 360
1" = 120'

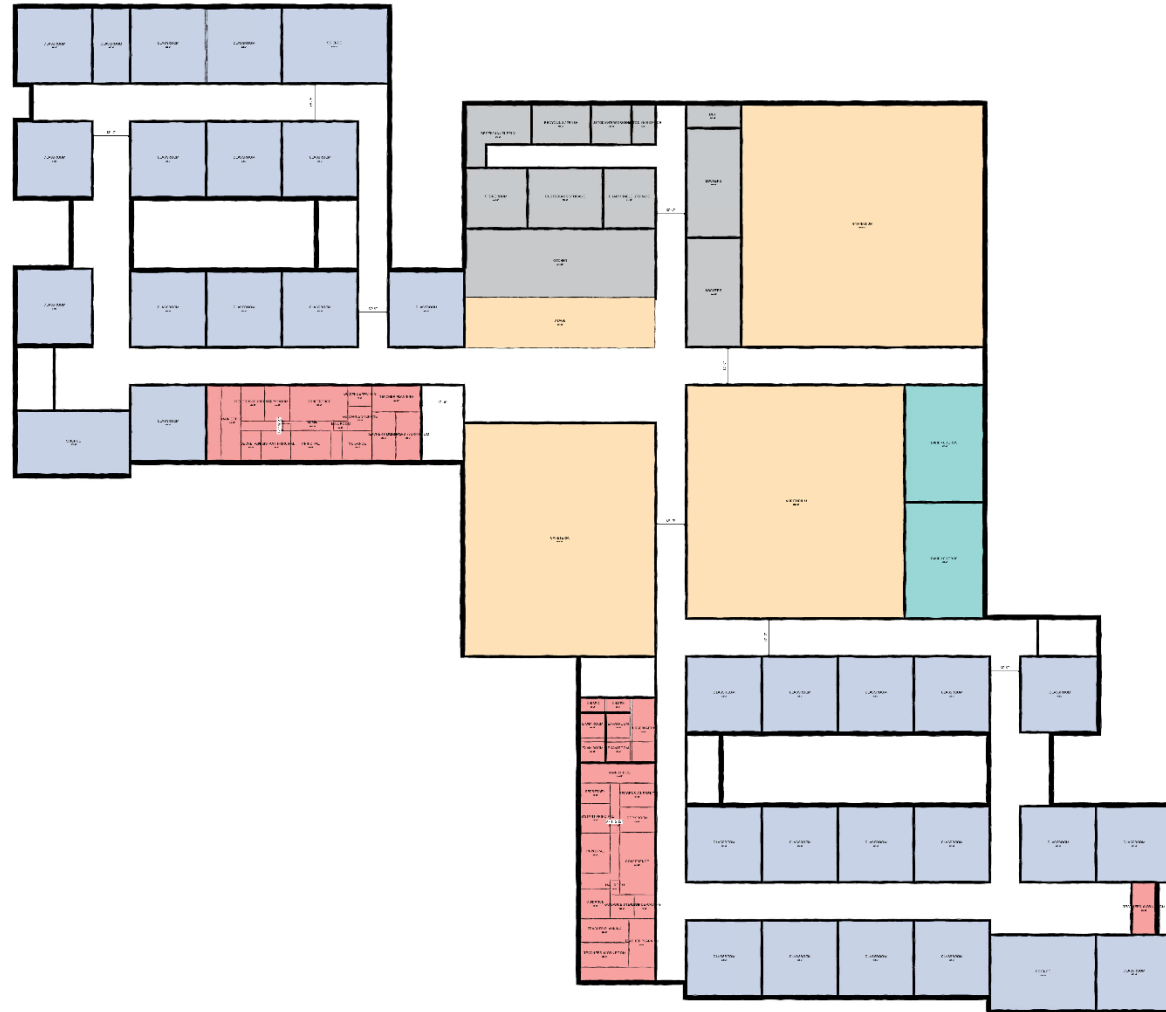
S4 - COMMUNITY FRONT



S4 - COMMUNITY MIDDLE



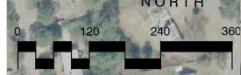
S4 - COMMUNITY MIDDLE



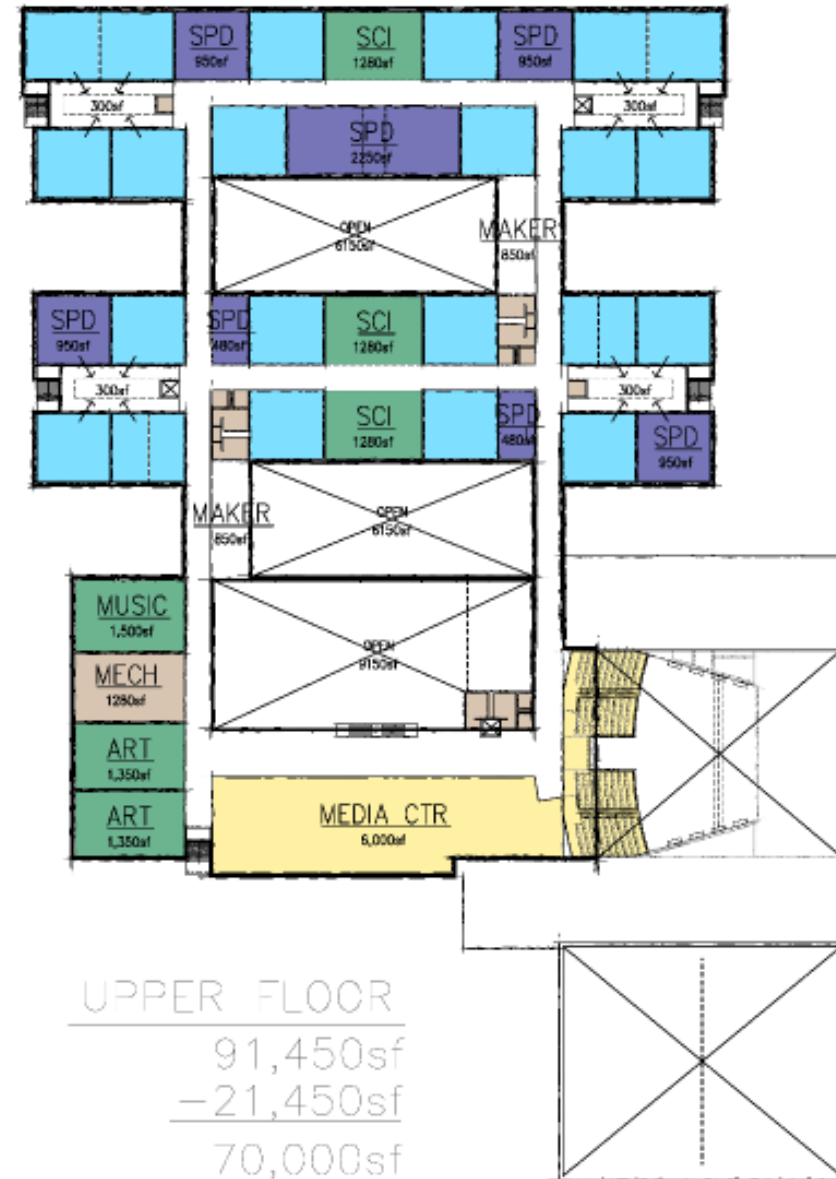
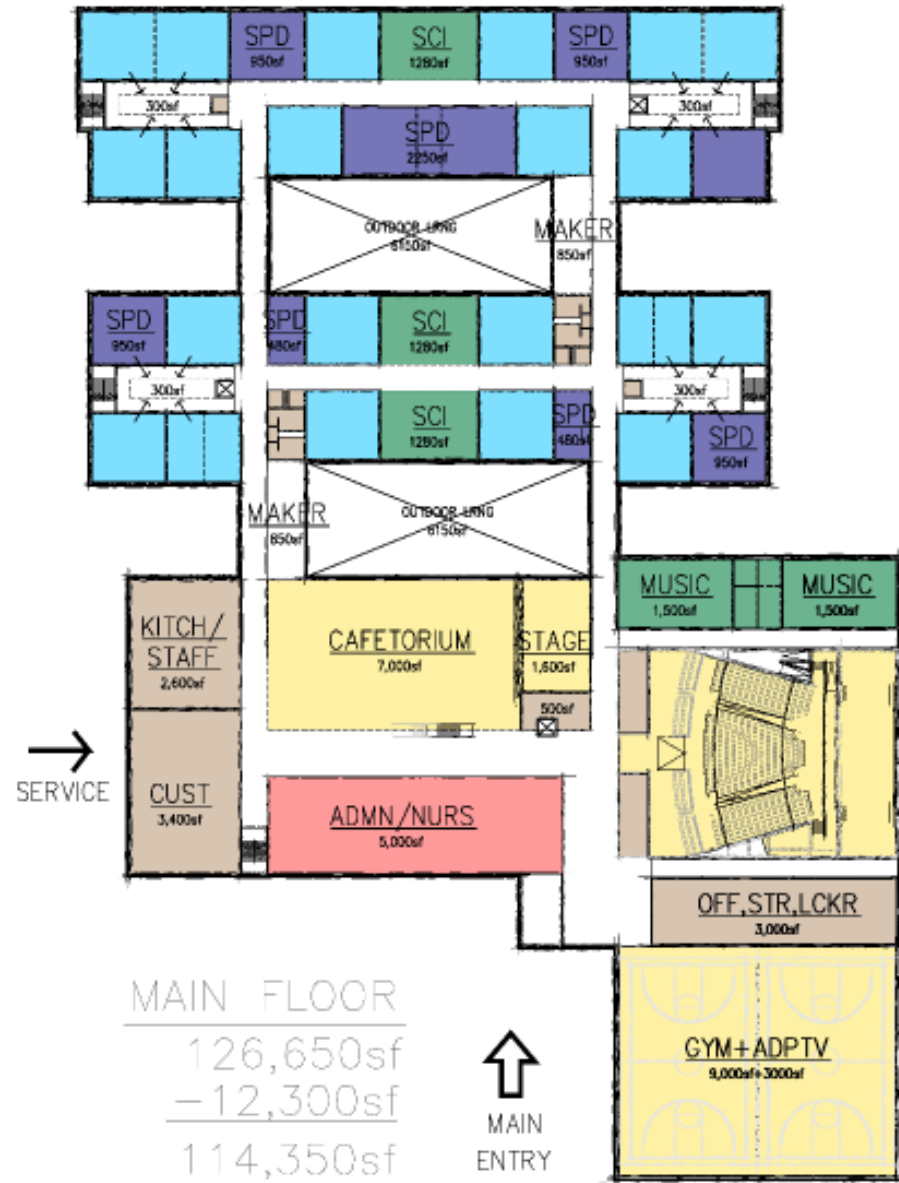
S6 - COMMUNITY FRONT

This aerial map illustrates the S6 - COMMUNITY FRONT area, which includes several sports facilities and surrounding residential neighborhoods. Key features include:

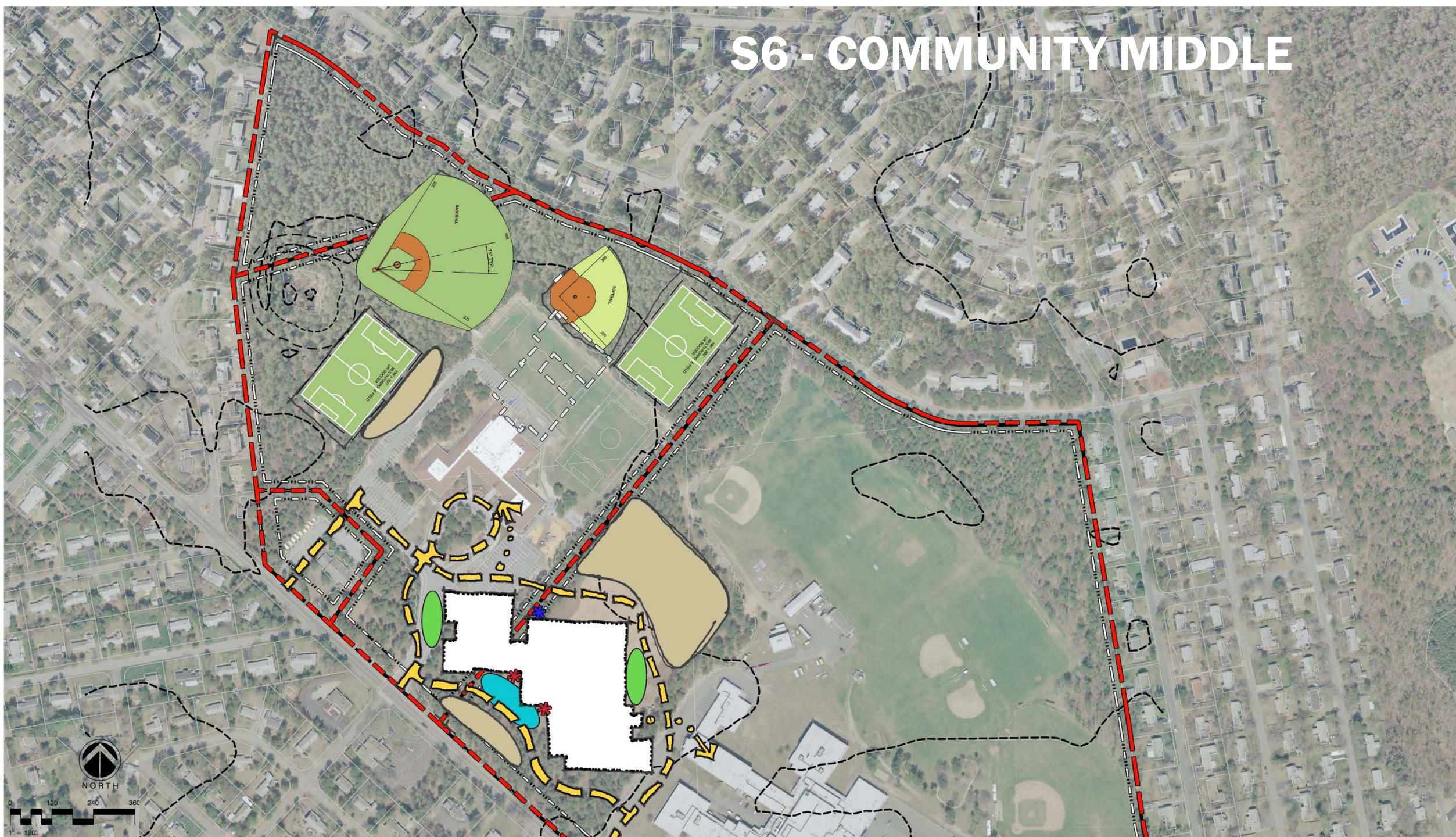
- Sports Fields:** Two green soccer fields, two baseball fields (one green, one orange), and a large green field with a baseball diamond.
- Parking Lots:** Several parking areas are shown, including a large lot near the center and smaller lots near the sports fields.
- Buildings:** A large white building complex is located in the lower center, with a blue building and a red building nearby.
- Boundaries:** A red dashed line outlines the perimeter of the community front area.
- Surrounding Area:** The map shows a residential neighborhood with houses and streets surrounding the community front area.
- Navigation:** A north arrow and a scale bar (0 to 360 feet) are located in the bottom left corner.



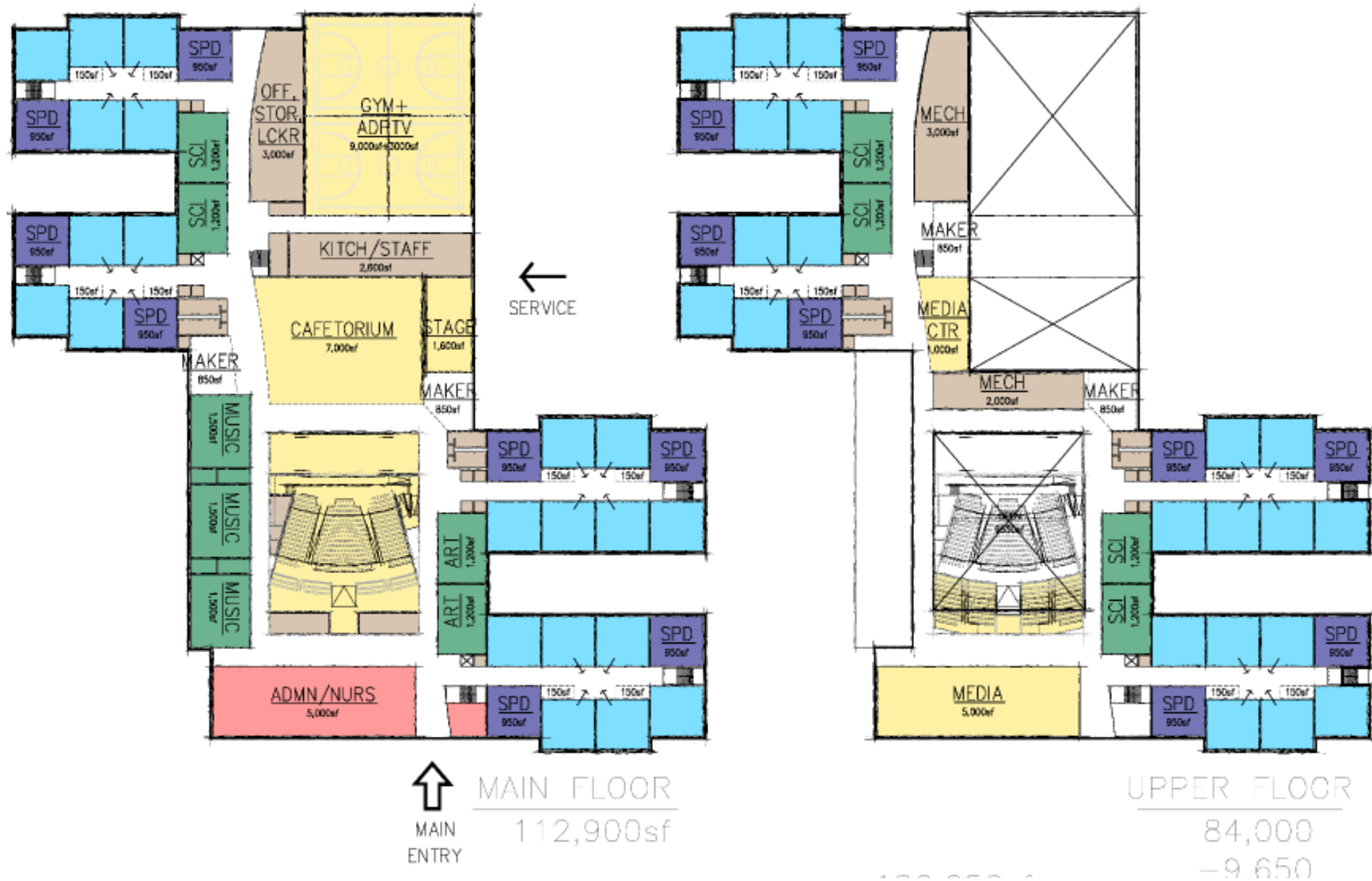
S6 - COMMUNITY FRONT



S6 - COMMUNITY MIDDLE



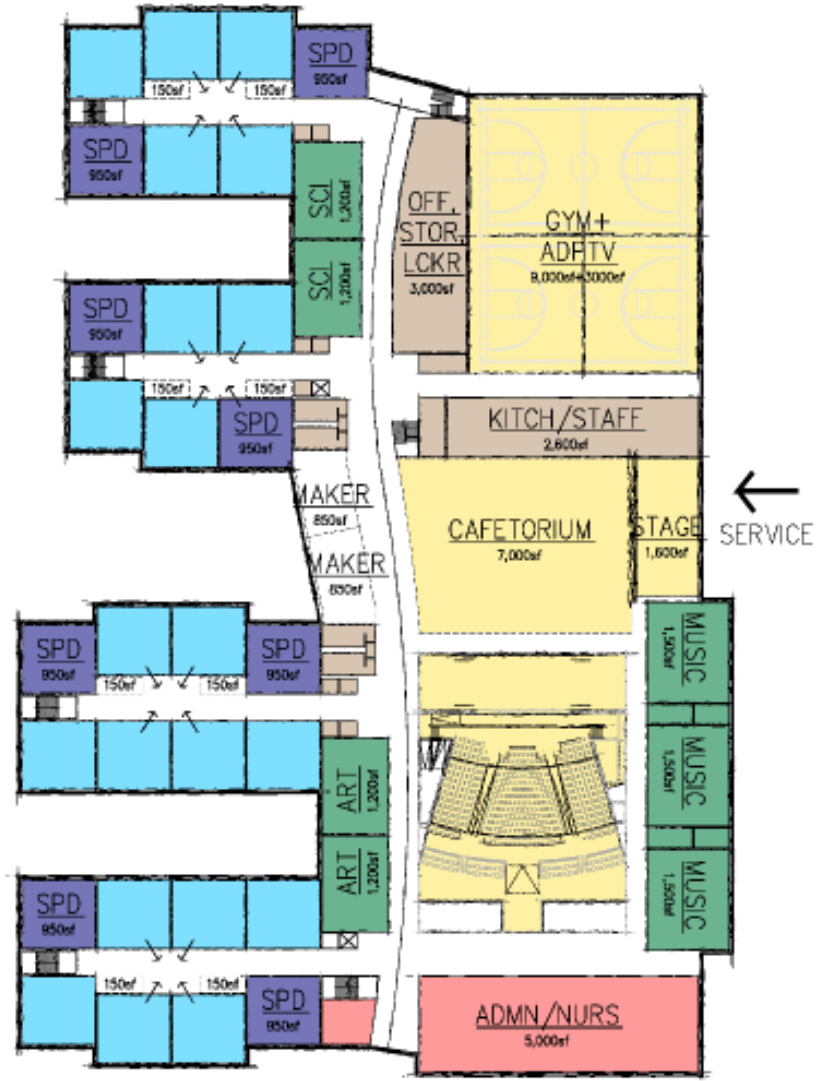
S6 - COMMUNITY MIDDLE



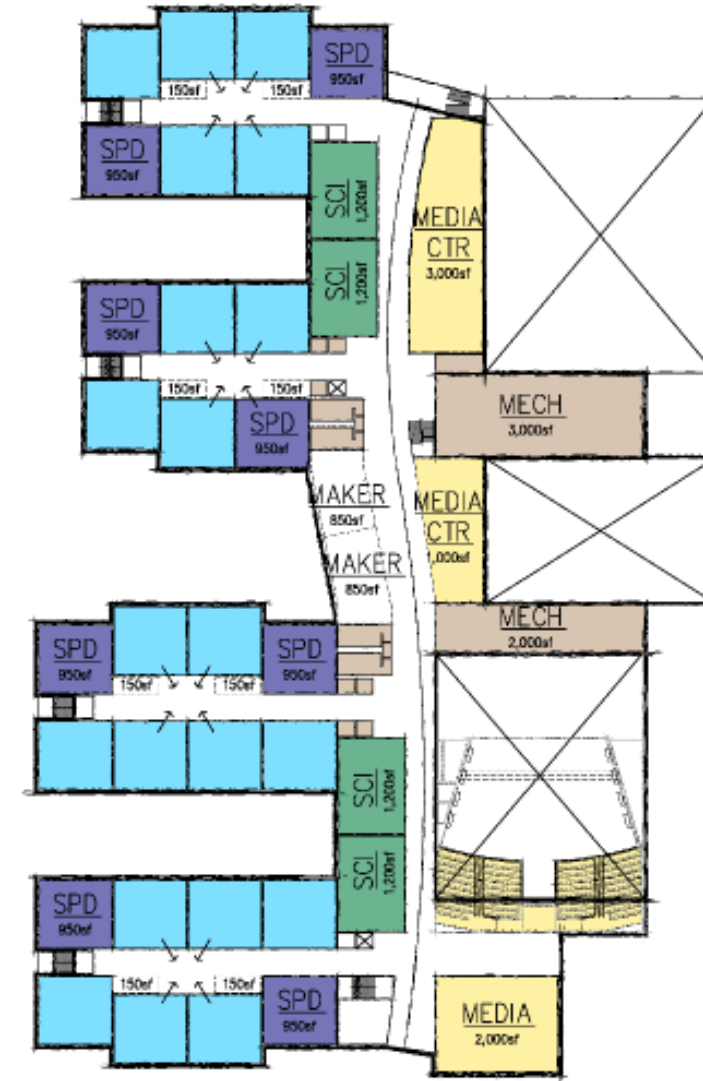
S6 - COMMUNITY SPINE



S6 - COMMUNITY SPINE



MAIN FLOOR
113,100sf

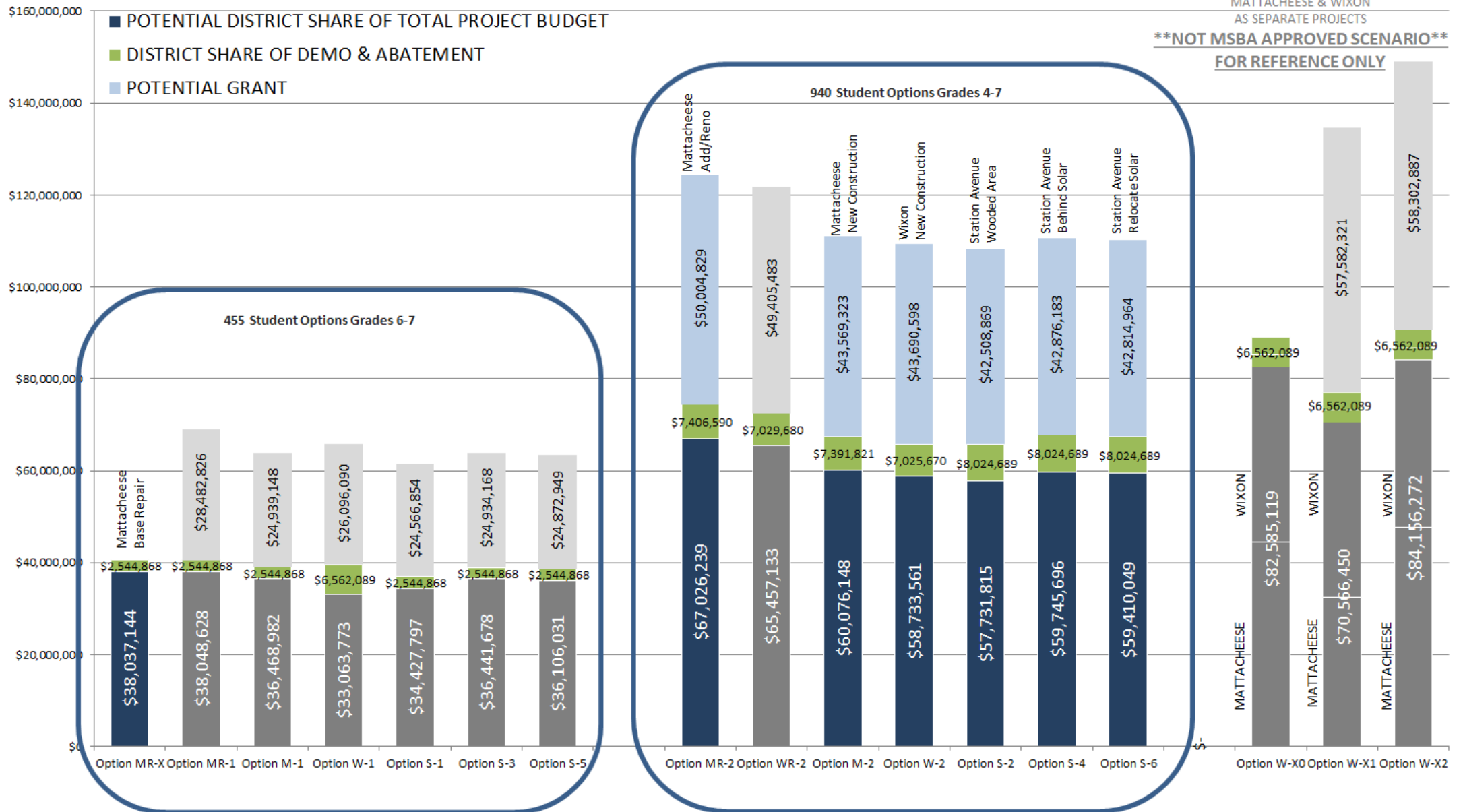


UPPER FLOOR
71,150



OVERALL COST COMPARISONS

CONCEPTUAL LEVEL COST SCENARIO



PROJECT SCHEDULE (1/2)

Mattacheese MS - AGGRESSIVE FS SCHEDULE		PMA MSBA Project Layout				09-Jan-18 12:18																											
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	F M A M J J A S O N D J F M A M J J A S O N D J F M																											
Mattacheese MS - AGGRESSIVE FS SCHEDULE																																	
OPM Selection																																	
A1000	OPM Interviews	0	26-Jan-17 A			OPM Interviews																											
A1010	OPM Selection Period	10	26-Jan-17 A	31-Jan-17 A		OPM Selection Period																											
A1020	MSBA OPM Selection Panel	1	06-Mar-17 A	06-Mar-17 A		MSBA OPM Selection Panel																											
Designer Selection																																	
A1030	OPM Draft Designer RFS	5	01-Feb-17 A	07-Mar-17 A		OPM Draft Designer RFS																											
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		Designer RFS Response Period																											
A1410	SBC Meeting (moved to Apr 12th)	1	12-Apr-17 A	12-Apr-17 A		SBC Meeting (moved to Apr 12th)																											
A1430	Initial RFS Review - Prep for SBC Presentation	3	10-Apr-17 A	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		Evaluate Responses & Submit to MSBA																											
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 Mtg #1																											
A1090	Designer Selection Panel Mtg #2	0		16-May-17 A		Designer Selection Panel Mtg #2																											
A1100	Negotiate & Execute Contract	10	17-May-17 A	15-Jun-17 A		Negotiate & Execute Contract																											
Preliminary Design Program																																	
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/Fincom																											
A1460	Formation of D-Y Regionalization Subcommittee (BoS & Fincom)	1	11-Jul-17 A	11-Jul-17 A		Formation 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-17 A	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 Summary																											
A1140	Establish Site Development Requirements	15	20-Sep-17 A	18-Oct-17 A		Establish Site Development Requirements																											
A1190	Education Program Refined with Designer Input	81	16-Jun-17 A	18-Oct-17 A		Education Program Refined with Designer Input																											
A1210	Cost & Schedule Analysis of PDP Alternatives	18	05-Oct-17 A	08-Nov-17 A		Cost & Schedule Analysis of PDP Alternatives																											
A1200	Final Review & Acceptance of Education Program	5	18-Oct-17 A	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		Compile & Submit PDP to MSBA																											
A1170	MSBA Review Period	15	22-Nov-17 A	10-Jan-18	0	MSBA Review Period																											
A1180	Respond to MSBA Review Comments	10	11-Jan-18	24-Jan-18	0	Respond to MSBA Review Comments																											
Preferred Schematic Report																																	
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 Alternatives																											
A1600	PE Compile Scope for Estimators	6	08-Mar-18	15-Mar-18	9	PE Compile Scope for Estimators																											

Project Baseline Bar

Actual Work

Remaining Work

Critical Remaining Work

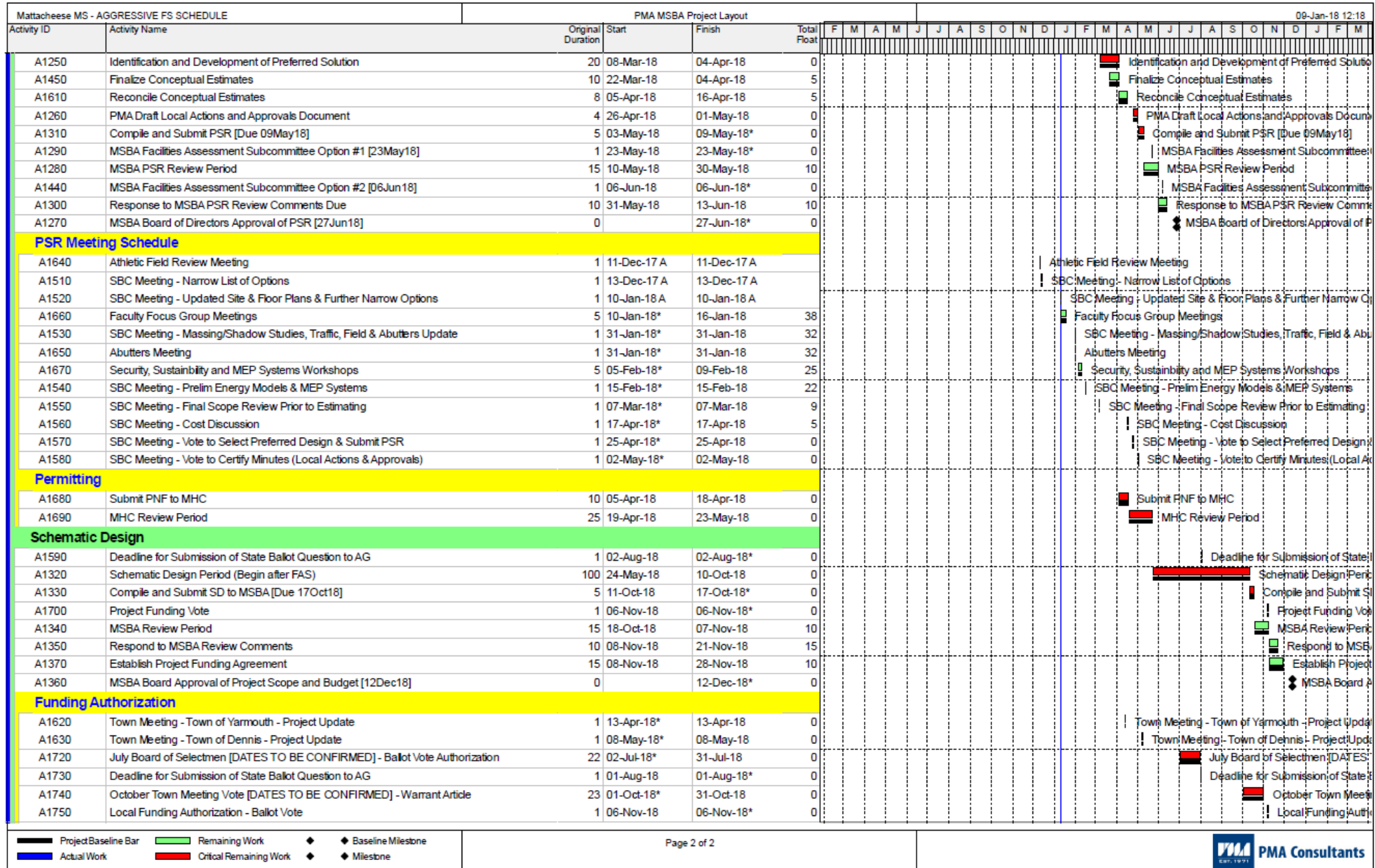
Baseline Milestone

Milestone

Page 1 of 2

PMA Consultants
EST. 1991

PROJECT SCHEDULE (2/2)





**PERKINS —
EASTMAN**

Photo courtesy of TripAdvisor



DENNIS-YARMOUTH SCHOOL PROJECT

SCHOOL BUILDING COMMITTEE

January 10, 2018

