

PROJECT MINUTES

Project: New Peebles Elementary School Project No.: 15041
 Prepared by: Joel Seeley Meeting Date: 6/15/2017
 Re: School Building Committee Meeting Meeting No: 41
 Location: Veterans Memorial Community Center Time: 6:30pm
 Distribution: School Building Committee Members, Attendees (MF)

Attendees:

PRESENT	NAME	AFFILIATION	VOTING MEMBER
✓	James L. Potter	Chairman, School Building Committee	Voting Member
✓	Peter J. Meier	Board of Selectmen	Voting Member
	Christopher Hyldborg	School Committee	Voting Member
✓	Natasha Scarpato	Member at Large	Voting Member
	Donna Buckley	Member at Large	Voting Member
✓	Richard A. Lavoie	Finance Committee	Voting Member
✓	William Meier	Building Trade Expert	Voting Member
		Member at Large	Voting Member
✓	Frederick H. Howe	Member at Large, Vice-Chairman School Building Committee	Voting Member
	Steven M. Lamarche	Superintendent of Schools, BPS	Voting Member
✓	Edward S. Donoghue	Director of Business Services, BPS, MCPPO	Non-Voting Member
	Thomas M. Guerino	Town Administrator	Non-Voting Member
✓	Paul O'Keefe	Local Official Responsible for Building Maintenance	Non-Voting Member
	Elizabeth A. Carpenito	Principal, BES	Non-Voting Member
✓	Kathy Anderson	Elementary/Special Education Secretary	Non-Voting Member
✓	Janey Norton	Principal, PES	
✓	Kent Kovacs	FAI, Architect	
	Mike Cimorelli	FAI, Architect	
	Bill Beatrice	FAI, Architect	
✓	Joel Seeley	SMMA, OPM	

Item #	Action	Discussion
41.1	Record	Call to Order, 6:30 PM, meeting opened.
41.2	Record	J. Potter indicated this will be E. Donoghue's last Committee meeting and thanked him for all his hard work on behalf of the Committee. Jordan Geist was introduced as the new Director of Business Services and will join the Committee after 7/1/2017.
41.3	Record	A motion was made by P. Meier and seconded by F. Howe to approve the 5/25/2017 School Building Committee meeting minutes. No discussion, motion passed unanimous by those attending, one abstention.
41.4	Record	Warrant No. 19 was reviewed. A motion was made by P. Meier and seconded by F. Howe to approve Warrant No. 19. No discussion, motion passed unanimous.
41.5	Record	J. Seeley distributed and reviewed the SBC Meetings Schedule and Agendas for the 90% Construction Documents Phase, attached.
41.6	Record	J. Seeley distributed and reviewed the updated Project Schedule, attached.
41.7	Record	K. Kovacs distributed and reviewed the Zoning Board of Appeals Variance Decision, attached.
41.8	Record	J. Seeley provided an update on the General Contractor and Filed Sub-Contractor Prequalification Subcommittee. The Subcommittee met on 6/8/2017 and approved the General Contractor and Filed Sub-Contractor Request for Qualification document which will be made available on 6/21/2017.
41.9	Interiors Working Group	K. Kovacs discussed that the next series of Educational Leadership Meetings will be focused on the interior materials as an Interiors Working Group with an upcoming meeting scheduled for 6/23/2017 at 9:00 am at Peebles. J. Potter, P. Meier and N. Scarpato are interested in participating in the Interiors Working Group.
41.10	K. Kovacs	<p>K. Kovacs presented the design for the mesh guardrail at Stair No. 2, the Green Roof and the Balcony with 42", 48" and 60" height options, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. J. Potter asked if there are locations that a similar guardrail has been installed that the Committee can view? <i>K. Kovacs will research and provide locations to visit.</i> 2. W. Meier asked if the students could stick their hands thru the mesh openings? <i>K. Kovacs indicated the openings in the mesh are about 1" to 1 1/2" wide.</i> 3. K. Anderson indicated the mesh looked too industrial and asked if samples can be provided for review. <i>K. Kovacs will provide samples of the mesh guardrail material for the Committee to review.</i> 4. The Committee approved the 48" height pending review at the Holbrook School tour later this summer.

Item #	Action	Discussion
41.11	Record	<p>K. Kovacs presented research of prior installations of tectum panels in gymnasiums, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. J. Potter asked if the tectum panels become brittle with age? <i>K. Kovacs indicated FAI has not had issues with panels becoming brittle.</i> 2. F. Howe asked if the panels come in different colors? <i>K. Kovacs indicated no, but they can be painted.</i> 3. The Committee approves the Tectum panels.
41.12	Committee	<p>K. Kovacs indicated the Norfolk School Administration could not comment on when and how the excessive damage to the concrete curbing at the Freeman-Kennedy School was done. The Bournedale curbing is granite. The cost increase to change the straight sections of curbing from concrete to granite is approximately \$60,000.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. P. Meier indicated the DPW would prefer granite curbing. 2. R. Howe indicated after seeing the damage at the Freeman-Kennedy School, he would prefer the granite curbing. 3. N. Scarpato indicated she would like to see the full list of alternates before deciding. 4. The Committee decided to hold on the decision until the full list of alternates is reviewed.
41.13	Record	<p>K. Kovacs presented additional research on the LVT flooring, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. R. Howe asked what would happen if the wrong detergent was used? <i>K. Kovacs indicated the wear layer may be affected.</i> 2. W. Meier asked if attic stock will be provided if a piece had to be replaced? <i>K. Kovacs indicated yes, attic stock will be provided.</i> 3. N. Scarpato asked what will the transition strip material be that separates the waxed flooring from the LVT flooring? <i>K. Kovacs indicated the transition strip would be aluminum or stainless steel.</i> <p>A motion was made by W. Meier and seconded by P. Meier to approve the LVT flooring. No discussion, motion passed five in favor and one against.</p>
41.14	District	<p>Educational Leadership Team to provide final direction on locker sizes.</p>
41.15	J. Norton	<p>J. Norton to develop a list of existing memorial items from the existing Pebbles School and site that should be incorporated into the new school design.</p>
41.16	Record	<p>K. Kovacs indicated the District has met with the Fire Department and the final decision for the playground gate operation is the gate will be manually operated.</p>

Item #	Action	Discussion
41.17	K. Kovacs	K. Kovacs to locate the DAS display, which will show a continuous readout of the building's electric, gas and water usage.
41.18	Record	K. Kovacs indicated the District has met with the Police and Fire Department and emergency and ADA access to the football field during construction will be from the Middle School.
41.19	Record	K. Kovacs presented a study for a darker aluminum finish for the window units in the Phenolic Wall Panel Areas, attached. The Committee approves the darker aluminum finish.
41.20	Record	K. Kovacs confirmed with the roofing manufacturers the implications of being Solar PV Ready and presented installation details, attached. Committee Discussion: <ol style="list-style-type: none"> 1. P. O'Keefe asked if Sarnafil accepts the installation details? <i>K. Kovacs indicated yes, they require the 1/2" protection board which is included.</i> 2. J. Potter asked will there be a conduit stubbed up to the roof? <i>K. Kovacs indicated yes, a conduit will be stubbed up from the electrical room to the location of future PV panels.</i> 3. J. Potter asked if a conduit should also be installed to the parking lot for another location of future PV panels? <i>K. Kovacs recommended not too, since the parking lot would be significantly excavated for the overhead PV panel support structure, the conduits could be installed at that time.</i> 4. The Committee approves the Solar PV Ready roofing.
41.21	Committee	K. Kovacs presented the cost increase to increase the roofing membrane from a 60 mil/20 year warranty to an 80 mil/30 year warranty. The cost increase is approximately \$40,000. Committee Discussion: <ol style="list-style-type: none"> 1. R. Howe asked if FAI has had any issues with the 60 mil membrane? <i>K. Kovacs indicated no.</i> 2. R. Howe asked how many square feet of roofing membrane is in the project? <i>K. Kovacs indicated approximately 50,000 square feet.</i> 3. The Committee decided to hold on the decision until the full list of alternates is reviewed.
41.22	J. Seeley	J. Seeley indicated Cape Light Compact will issue their Technical Assistance (TA) report on Tuesday, 6/20/2017 and will forward to the Committee. J. Seeley will invite Cape Light Compact to attend a future Committee meeting once the report is reviewed.
41.23	Record	K. Kovacs will provide information on the Green Roof planting boxes and paver system, attached.

Item #	Action	Discussion
		<p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. P. O'Keefe asked what is the life span of sedum? <i>K. Kovacs indicated the life span is indefinite.</i> 2. P. O'Keefe asked how are invasive wind blown weeds kept out of the planter beds? <i>K. Kovacs indicated sedum, which has water storing leaves generally crowd out other plants.</i> 3. P. O'Keefe asked what is the underlying roof membrane? <i>K. Kovacs indicated the underlying roof membrane is PVC.</i> 4. P. O'Keefe asked what is the cost of the Green Roof planting boxes and paver system? <i>K. Kovacs indicated the cost is approximately \$25,000.</i> 5. The Committee approves the Green Roof planting boxes and paver system.
41.24	K. Kovacs	<p>K. Kovacs to provide a maintenance protocol and rough order of magnitude cost for maintaining the HVAC system.</p> <p>K. Kovacs to check with the Fire Department on the details of lightning causing false alarms in the fire alarm systems of other Town buildings.</p>
41.25	K. Kovacs	<p>K. Kovacs to confirm the approximately 12-15 temporary parking spaces for teachers and staff, located in the High School parking lot during Phase 3 near the I-Studio, will have a lit paved walking surface to the new Peebles school at the next Committee meeting.</p>
41.26	P. Meier	<p>P. Meier will provide a copy of the Remote Participation policy adopted by the Selectmen for Committee review</p>
41.27	K. Kovacs J. Seeley	<p>K. Kovacs presented a Preliminary List of Bidding Alternates, which will provide the Committee greater ability to manage the risk of the bidding market and award a contract within the budget.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. J. Potter asked if any of the alternates will affect LEED? <i>K. Kovacs indicated no.</i> 2. P. Meier asked will removing the ribs on the roofing affect the membrane? <i>K. Kovacs indicated no.</i> 3. K. Kovacs and J. Seeley to refine the list for next Committee Meeting.

Item #	Action	Discussion
41.28	J. Potter K. Kovacs J. Seeley	Old or New Business: <ol style="list-style-type: none">1. J. Potter will contact the Town Moderator on the Member-at-Large vacancy. The new School Committee representative will be appointed at their 6/28/2017 meeting.2. P. O'Keefe asked what was the resolution of the Power Factor Correction? <i>J. Seeley to forward P. O'Keefe the 4/27/2017 SBC meeting minutes and GGD's presentation.</i>3. W. Meier asked if GGD can re-confirm that the 1,200 amp service is needed, it seems very high. <i>K. Kovacs will have GGD re-confirm and provide direction to the Committee.</i>
41.29	Record	Next SBC Meeting: June 29, 2017 at 6:30 pm at the Bourne Veteran's Memorial Community Center.
41.30	Record	A Motion was made by W. Meier and seconded by F. Howe to adjourn the meeting. No discussion, motion passed unanimous.

Attachments: Agenda, SBC Meetings Schedule and Agendas for the 90% Construction Documents Phase, updated Project Schedule, Zoning Board of Appeals Variance Decision, Powerpoint

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes

PROJECT MEETING SIGN-IN SHEET

Project: Peebles Elementary School Feasibility Study
 Prepared by: Joel Seeley
 Re: School Building Committee Meeting
 Location: Veterans Memorial Community Center

Project No.: 15041
 Meeting Date: 6/15/2017
 Meeting No: 41
 Time: 6:30pm

Distribution: Attendees, (MF)

SIGNATURE	ATTENDEES	EMAIL	AFFILIATION
✓	James L. Potter	onsetjp@juno.com	Chairman, School Building Committee
✓	Peter J. Meier	pmeier@townofbourne.com	Board of Selectmen
	Christopher Hyldburg	chrish@alpha-1.com	School Committee
✓	Natasha Scarpato	scarpato4@comcast.net	Member-At-Large
	Donna Buckley	d.j.buckley23@gmail.com	Member-At-Large
✓	Richard A. Lavoie	Richl.Lavoie@gmail.com	Finance Committee
✓	William Meier	Dusty22752@aol.com	Building Trade Expert
			Member-At-Large
✓	Frederick H. Howe	rickhowe9@gmail.com	Member-At-Large
	Steven M. Lamarche	slamarche@bourneps.org	Superintendent of Schools, BPS
✓	Edward S. Donoghue	EDonoghue@bourneps.org	Director of Business Services, BPS, MCPPO
	Thomas M. Guerino	tguerino@townofbourne.com	Town Administrator
✓	Paul O'Keefe	mmachief@gmail.com	Local Official Resp.for Building Maintenance
	Elizabeth A. Carpenito	ecarpenito@bourneps.org	Principal, BES
✓	Kathy Anderson	kanderson@bourneps.org	Elementary/Special Education Secretary
✓	Janey Norton	jnorton@bourneps.org	Principal, PES
✓	Kent Kovacs	kkovacs@flansburgh.com	Flansburgh Architects
	Betsy Farrell Garcia	bgarcia@flansburgh.com	Flansburgh Architects
	Bill Beatrice	bbeatrice@flansburgh.com	Flansburgh Architects
✓	Joel Seeley	jseeley@smma.com	SMMA

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Agenda

Project:	New Peebles Elementary School	Project No.:	15041
Re:	School Building Committee Meeting	Meeting Date:	6/15/2017
Meeting Location:	Veterans Memorial Community Center	Meeting Time:	6:30 PM
Prepared by:	Joel Seeley	Meeting No.:	40
Distribution:	Committee Members (MF)		

1. Call to Order
2. Approval of Minutes
3. Approval of Invoices and Commitments
4. Review Prequalification Status
5. Review Overall Construction Document Phase Schedule
6. Review 90% Construction Documents Schedule
7. Review Educational Leadership Meeting Schedule
8. Interior Tours Follow-up
9. New or Old Business
10. Public Comments
11. Next Meeting: June 29, 2017
12. Adjourn

Note: Durations in working days

ID	Task Name	Duration	Start	Finish	2017	2020
1	RETAIN OPM	58 days	3/18/2015	6/8/2015		
7	RETAIN DESIGNER	85 days	5/27/2015	9/23/2015		
17	FEASIBILITY STUDY (FS)	218 days	9/15/2015	7/20/2016		
34	SCHEMATIC DESIGN (SD)	80 days	7/20/2016	11/9/2016		
41	PROJECT SCOPE AND BUDGET	81 days	10/17/2016	2/7/2017		
48	DESIGN DEVELOPMENT	79 days	12/7/2016	3/27/2017		
57	CONSTRUCTION DOCUMENTS	166 days	3/8/2017	10/27/2017		
58	60% Construction Documents for OPM and Cx Review	43 days	3/8/2017	5/5/2017		
59	Develop 60% Construction Documents for Estimator	43 days	3/8/2017	5/5/2017		
60	Incorporate MSBA DD Comments	10 days	3/28/2017	4/10/2017		
61	OPM and Cx Review	10 days	5/5/2017	5/18/2017		
62	60% Construction Documents Cost Estimate	10 days	5/5/2017	5/18/2017		
63	Value Engineering	6 days	5/18/2017	5/25/2017		
64	60% Construction Documents Submission to MSBA	0 days	6/6/2017	6/6/2017	6/6/2017	60% Construction Documents Submission to MSBA
65	MSBA Review	15 days	6/6/2017	6/26/2017		
66	Develop 90% Construction Documents to Estimator	45 days	6/7/2017	8/9/2017		
67	90% Construction Documents for OPM and Cx Review	45 days	6/7/2017	8/9/2017		
68	Incorporate MSBA 60% CD Comments	10 days	6/28/2017	7/12/2017		
69	OPM and Cx Review	11 days	8/10/2017	8/24/2017		
70	90% Construction Documents Cost Estimate	11 days	8/10/2017	8/24/2017		
71	Value Engineering	6 days	8/24/2017	8/31/2017		
72	90% Construction Documents Submission to MSBA	0 days	9/5/2017	9/5/2017	9/5/2017	90% Construction Documents Submission to MSBA
73	MSBA Review	15 days	9/6/2017	9/26/2017		
74	100% Construction Documents	25 days	9/6/2017	10/10/2017		
75	Incorporate MSBA 90% CD Comments	10 days	9/27/2017	10/10/2017		
76	MA-CHPS Design Submission	14 days	10/10/2017	10/27/2017		
77	SITE PERMITTING	85 days	3/1/2017	6/27/2017		
78	Bourne Zoning Board of Appeals - Height Variance	85 days	3/1/2017	6/27/2017		
84	Bourne Planning Board - Site Plan Review	71 days	3/1/2017	6/7/2017		
89	PROCUREMENT	78 days	5/11/2017	8/29/2017		
90	Prequalification	78 days	5/11/2017	8/29/2017		
91	Develop Draft RFQs (GCs and Subcontractors)	11 days	5/11/2017	5/25/2017		
92	Appoint Prequalification Committee	0 days	5/11/2017	5/11/2017	5/11/2017	Appoint Prequalification Committee
93	Prequalification Committee Meeting: Review Draft RFQ	0 days	5/25/2017	5/25/2017	5/25/2017	Prequalification Committee Meeting: Review Draft RFQ
94	Prequalification Committee Meeting: Review Final RFQ	0 days	6/8/2017	6/8/2017	6/8/2017	Prequalification Committee Meeting: Review Final RFQ
95	Submit Prequalification Advertisement (Central Register and Local Newspaper)	0 days	6/13/2017	6/13/2017	6/13/2017	Submit Prequalification Advertisement (Central Register and Local Newspaper)
96	Notice in Central Register	0 days	6/21/2017	6/21/2017	6/21/2017	Notice in Central Register
97	GCs and Subs Develop SOQs	19 days	6/21/2017	7/18/2017		
98	RFQ Informational Meeting	0 days	6/28/2017	6/28/2017	6/28/2017	RFQ Informational Meeting
99	Submit SOQs	0 days	7/18/2017	7/18/2017	7/18/2017	Submit SOQs
100	Review SOQs	23 days	7/18/2017	8/17/2017		
101	Prequalification Committee Meeting: Review SOQs	0 days	8/3/2017	8/3/2017	8/3/2017	Prequalification Committee Meeting: Review SOQs
102	Prequalification Committee Meeting: Review SOQs	0 days	8/17/2017	8/17/2017	8/17/2017	Prequalification Committee Meeting: Review SOQs
103	Recommend Prequalified GCs and Filed Subcontractors to SBC	0 days	8/24/2017	8/24/2017	8/24/2017	Recommend Prequalified GCs and Filed Subcontractors to SBC
104	Issue Notification Letters to Prequalified GCs and Subcontractors	4 days	8/24/2017	8/29/2017		
105	Submit Bid Advertisement (Central Register and Local Newspaper)	0 days	9/26/2017	9/26/2017	9/26/2017	Submit Bid Advertisement (Central Register and Local Newspaper)
106	Bid Advertisement Notice in Central Register	0 days	10/4/2017	10/4/2017	10/4/2017	Bid Advertisement Notice in Central Register
107	Filed Subcontractors Bidding	21 days	10/10/2017	11/7/2017		
108	General Contractor Bidding	11 days	11/7/2017	11/21/2017		
109	General Contractor Award	6 days	11/21/2017	11/28/2017		
110	CONSTRUCTION	513 days	11/28/2017	11/29/2019		

**SCHOOL BUILDING COMMITTEE
PEEBLES ELEMENTARY SCHOOL**
All meetings held at
Veterans Memorial Community Center at 6:30 PM
unless otherwise noted
MEETINGS SCHEDULE AND AGENDAS
5/11/2017 Updated May 24, 2017

DATE	AGENDA
90% Construction Documents Phase	
June 8, 2017	PREQUALIFICATION SUBCOMMITTEE MEETING @6:30PM
June 15, 2017	BUILDING COMMITTEE MEETING Review Overall Construction Document Phase Schedule Review 90% Construction Documents Schedule Review Educational Leadership Meeting Schedule Interior Tours Follow up
June 28, 2017	CONTRACTOR AND FILED SUBCONTRACTOR INFORMATION MEETING @10:00AM @ PEEBLES ELEMENTARY SCHOOL
June 29, 2017	BUILDING COMMITTEE MEETING Review Updated Site Plans and Floor Plans Review FFE Layout Plans Review Interior Materials Colors and Patterns Review Meeting Actions Log Review MSBA 60% Construction Document Comments
July 13, 2017	BUILDING COMMITTEE MEETING Review Updated Floor Plans and FFE Plans Review Interior Material Colors and Patterns Review Construction Logistics Plans
July 27, 2017	BUILDING COMMITTEE MEETING Review Interiors Material Colors and Patterns
August 3, 2017	PREQUALIFICATION SUBCOMMITTEE MEETING @6:30PM
August 10, 2017	BUILDING COMMITTEE MEETING Finalize Interior Materials Colors and Patterns Review Construction Logistics Plan LEED Update
August 17, 2017	PREQUALIFICATION SUBCOMMITTEE MEETING @6:30PM
August 24, 2017	BUILDING COMMITTEE MEETING Prequalification Subcommittee Recommendation Review Reconciled 90% Construction Documents Cost Estimate Decide Value Engineering Items Vote to Submit 90% Construction Documents to MSBA
September 5, 2017	<i>SUBMIT 90% CONSTRUCTION DOCUMENTS PACKAGE TO MSBA</i>
	ADDITIONAL MEETINGS TO BE SCHEDULED

RECEIVED



TOWN OF BOURNE
BOARD OF APPEALS
24 PERRY AVENUE
BUZZARDS BAY, MA 02532
TEL. 508-759-0615 EXT. 21
FAX 508-759-0611



VARIANCE FINAL DECISION

PETITION NUMBER: 2017-V9

NAME OF APPLICANT/CURRENT PROPERTY OWNER: TOWN OF BOURNE

PROPERTY ADDRESS: 70 TROWBRIDGE ROAD

REGISTRY OF DEEDS TITLE REFERENCE: BOOK # 835 PAGE # 457

TOWN MAP: 24.1 PARCEL: 31

On May 24, 2017, the Board of Appeals voted to grant a Variance, in accordance with Massachusetts General Laws Chapter 40A, section 10, and Section 1320 of the Bourne Zoning Bylaws, for the property located at 70 Trowbridge Road, as shown on assessor's map # 24.1, parcel #31 in an R-40 zoning district.

The Board of Appeals certifies that the decision attached hereto is a true and correct copy of its decision to grant a Variance and that copies of said decision, and all plans referred to in the decision, have been filed with the Town Clerk.

The Board of Appeals also calls to the attention of the owner or applicant that General Laws, Chapter 40A, Section 11 provides that no Variance, special permit, or any extension, modification or renewal thereof, shall take effect until a copy of the decision bearing the certification of the town clerk that twenty days have elapsed after the decision has been filed or that, if an appeal has been filed, it has been dismissed or denied, is recorded in the registry of deeds for the county and district in which the land is located and indexed in the grantor index under the name of the owner of record or is recorded and noted on the owner's certificate of title. The owner or applicant shall pay the fee for such recording or registering. A copy of that recorded or registered decision shall be submitted to the Inspection Department office, as proof of filing, along with an application for a Building Permit.

Any person aggrieved by this decision may appeal to the Superior Court or Land Court as provided in M.G.L. Chapter 40A, Section 17, and by filing a NOTICE OF ACTION AND COMPLAINT with the Town Clerk within twenty (20) days of the date of filing of this decision.



For the Board of Appeals

DECISION - VARIANCE

After hearing and due deliberation: On motion made by Harold Kalick and seconded by Wade Keene, it was voted:

1. To grant a Variance in Case No. 2017-V9, only to the extent set forth in paragraph # 5 of this Decision, with any conditions, safeguards, and limitations that may be contained in paragraph # 6 of this Decision, and further to incorporate as the reasons therefore, that the Board of Appeals has made the preceding findings of fact set forth in paragraphs # 2, # 3, and # 4 of this Decision.

2. Owing to the circumstances relating to the soil, conditions, shape, or topography of such land or structures, the conditions especially affecting this parcel of land or structure but not affecting generally the zoning district in which it is located are as follows:

Parcel 31 is the site of the existing James F. Peebles Elementary School, and the proposed site of the new school is the only area of the parcel that the new school may be built on.

3. A substantial hardship, financial or otherwise, to the petitioner or applicant would be imposed by literal enforcement of the By-Law(s) as follows:

Failing to obtain the requested relief would cause the applicant, and by extension, the taxpayers of the Town of Bourne, to experience significant financial hardship to revise finalized school building plans.

4. Desirable relief may be granted without substantial detriment to the public good and without nullifying or substantially derogating from the intent or purpose of the Zoning By-Law(s) because it is actually directly benefiting the public by granting the relief sought, as the new structure will be a new public elementary school. Furthermore, the function of the gymnasium is such that various sports, such as basketball and volleyball, will occur in the building, and the need exists for that portion of "the structure" to have high ceilings, in excess of the bylaw requirements, in order to accommodate the various activities and sports.

5. The specific Variance(s) to be granted is (are) as follows:

The gymnasium portion of the structure may exceed the height requirements of Section 2500 of the Zoning Bylaws of the Town of Bourne by three (3) feet, pursuant to the plans prepared by Flansburgh Architects that were submitted with the application, dated March 7, 2017.

6. Conditions, Safeguards, and Limitations:

None.

7. The Vote:

Voting in Favor of granting the Variance: Amy Kullar, John O'Brien, Wade Keene, Harold Kalick, and Timothy Sawyer

8. Other Members Present:

Lee Berger, Kat Brennan, and Debbie Bryant


For the Board of Appeals

School Building Committee

June 15, 2017

Peebles Elementary School Construction Document Phase

WOOD FIBER ACOUSTIC PANEL

Manufacturers:

Basis of Design: Tectum: Tectum Finale w/ SoniCor

Features & Benefits:

-Noise Reduction Coefficient (NRC) = .75 to 1.00

-Density = 16 to 30 lb per cubic foot



Holbrook PK-12 School



Freeman Kennedy Elementary School



Waltham McDevitt Middle School

LUXURY VINYL TILE

Manufacturers:

Basis of Design: Altro Group, Altro Lavenica Plus

Equal Manufacturers:

1. Armstrong World Industries Inc.:
Armstrong Natural Creations Diamond 10
2. Adore Floor Inc.: Adore Decoria

Low Maintenance Option: No Polish- No Buff

Questions:

Q) Does the initial install look require a specific surface application to be complete?

A) No finish application is necessary.

Q) What are the minimum requirements in order to maintain the installed look?

A) Wash, sweep, dust, mop, vacuum the floor to remove dust and debris. Damp mopping should be performed on a regular basis using a diluted neutral detergent (ph 6-8) solution.

No buff is required to maintain the installed look.

*Get the dirt up before mopping

Q) Can we use a low speed swing machine to clean?

A) Yes, as long as the least abrasive nylon pad is used.

Q) Do you need to strip the floor over time?

A) No, you do not want to strip the floor. Stripping the floor will remove some of the scratch, stain and scuff properties that exist on the material.

Q) Is there a specific maintenance regiment to keep the warranty? what is the warranty?

A) The warranty is a 20 year commercial warranty. The regiment is to clean. (wash,sweep,dust, mop)



LVT Wood Plank Color Options



St. John's Prep: Altro Lavenica Plus

LUXURY VINYL TILE

Manufacturers:

Basis of Design: Altro Group, Altro Lavenica Plus

Equal Manufacturers:

1. Armstrong World Industries Inc.:
Armstrong Natural Creations Diamond 10
2. Adore Floor Inc.: Adore Decoria

Low Maintenance Option: No Polish- No Buff

1) Initial Maintenance & Preparation

- a. Sweep, dust mop or vacuum the floor thoroughly to remove loose dust or dirt.
- b. Remove any dried adhesive residue with a clean, white cloth dampened
- c. Damp mop the floor with a diluted neutral (ph 6-8) detergent solution.
- d. If necessary scrub the floor using rotary machine or auto scrubber with a diluted neutral (ph 6-8) detergent solution and appropriate scrubbing pad or brush. The use of scrubbing brushes is recommended on LVT products to reach into the textured surface to remove dirt, particles and residues.
- e. Thoroughly rinse the entire floor with fresh, clean water. Remove rinse and allow floor to dry completely.

2) Daily/Regular Maintenance

- a. Sweep, dust mop or vacuum the floor daily to remove dust and debris.
- b. Spot mop as needed. Any spills should be cleaned up immediately
- c. Damp mopping of the floor should be performed on a regular or daily basis depending on traffic and soil levels in the area. Use a diluted neutral (ph 6-8) detergent solution.

3) Periodic Maintenance

- a. When needed, after sweeping, dust mopping or vacuuming, scrub the floor using a rotary machine or auto scrubber with a diluted neutral (ph 6-8) detergent solution.
- b. Thoroughly rinse the entire floor with fresh, clean water. Remove rinse water and allow the floor to dry completely.



LVT Wood Plank Color Options



St. John's Prep: Altro Lavenica Plus

PV MOUNTING CLIPS

Manufacturers:

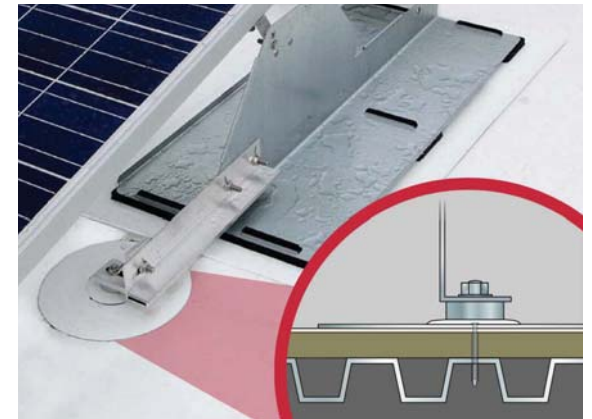
Basis of Design: OMG Roofing Products: Power Grip PLUS

Features & Benefits:

- 100% Compatible with all commercial roofing systems.
- The membrane counter flashing associated with these clips is made with the same roofing material specified.
- Provides secure water-tight connection directly to the roof deck.
- Can be used to secure ballasted and rail based solar rack systems.
- Installed 1" x 3/8" tall diameter bolt and mounting stand are made from corrosion-resistant stainless steel and aluminum alloy for long-term performance.
- Can be used with sloped roofs as designed at Peebles Elementary School



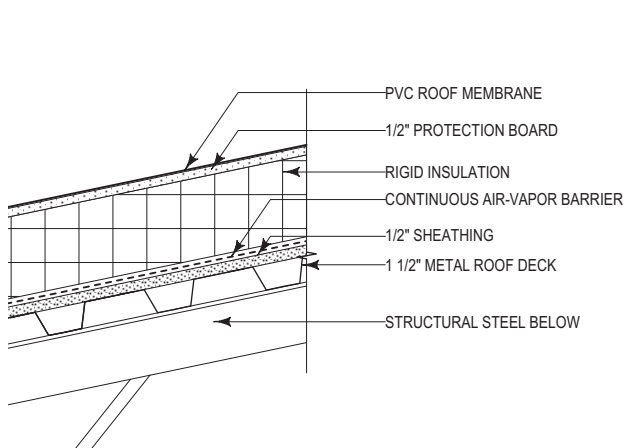
Mounting Clip with patch PVC adhered to roof



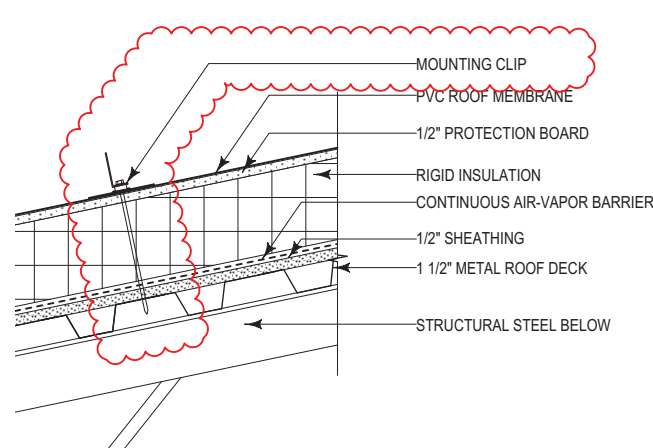
Mounting Clip with PV rail



Mounting Clip with complete PV installation



Contract Document
Installed Gym Roof



Mounting Clip
Installed @ A later Date

Cost increase to increase from the 60 mil the 80 mil membrane and 30 year warranty for next Committee meeting.

Response: 40K add

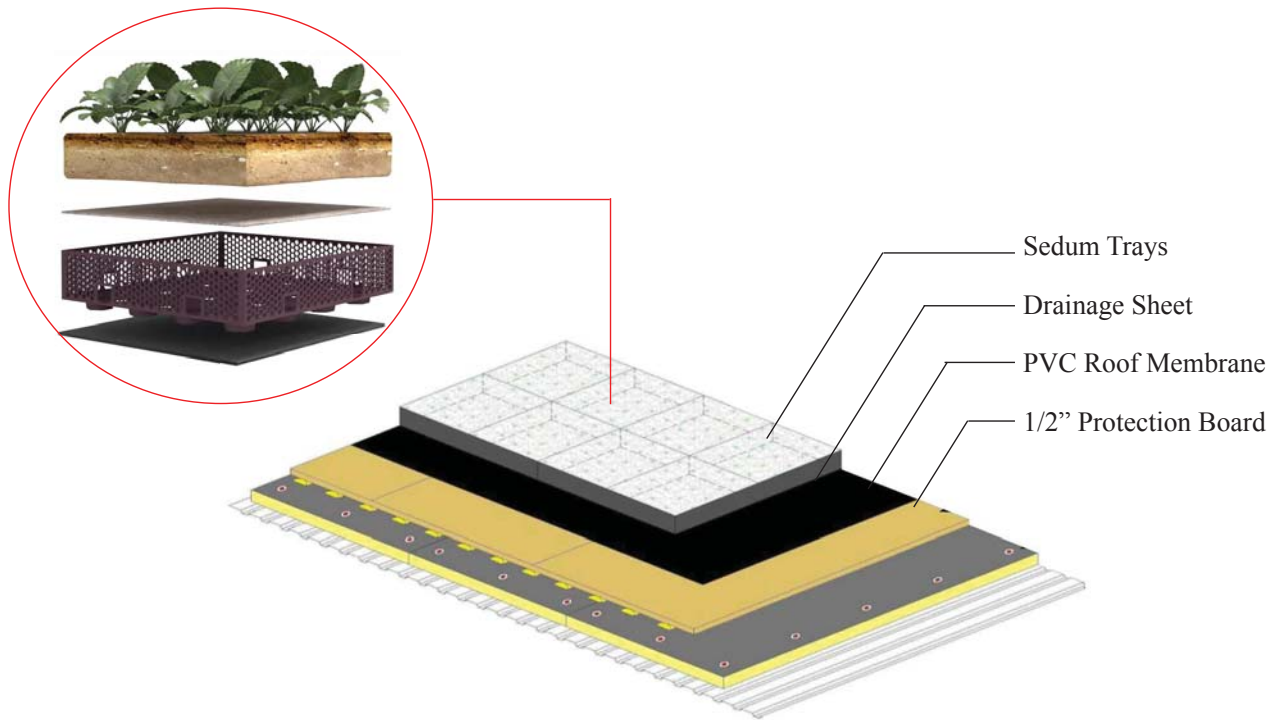
GREEN ROOF: TRAYS

Manufacturers:

Basis of Design: Firestone Sykscape, 4" Media Depth

Features & Benefits:

- Drought resistant species
- Shallow growing medium of expanded shale
(expanded shale is not top soil. Expanded shale retains water and releases slowly)
- Pre grown matts grown to specs
(the plants will be selected, arrive grown and come fully warranted not to blow away)
- The sedum has long life expectancy with minimal maintenance
- This system is tested to 227 mph. (Wind speed zone in Bourne is 115 mph)



SEDUM OPTIONS:



Goldmoss



Blue Spruce



Coral Carpet



Fuldaglut



Aureum

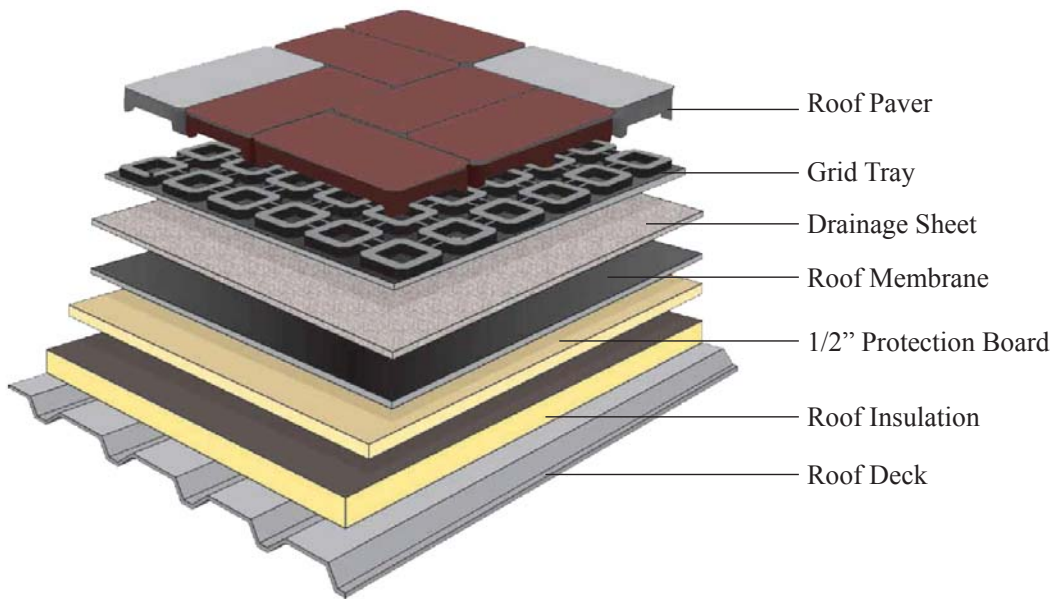
GREEN ROOF: PAVERS

Manufacturers:

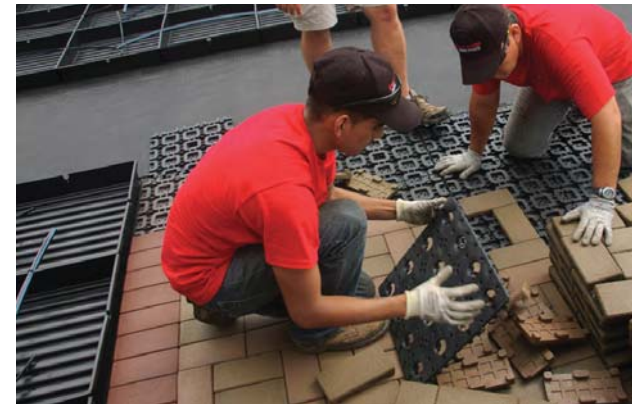
Basis of Design: Firestone Sykpaver

Features & Benefits:

- Recycled rubber and plastic molded paver (cannot chip, break, or stain)
- Pavers will be glued onto the grid (construction adhesive)
- 35% the weight of concrete pavers
- Gluing pavers to the grid creates a monolithic surface resistant to uplift



Roof Paver glued onto Grid Tray

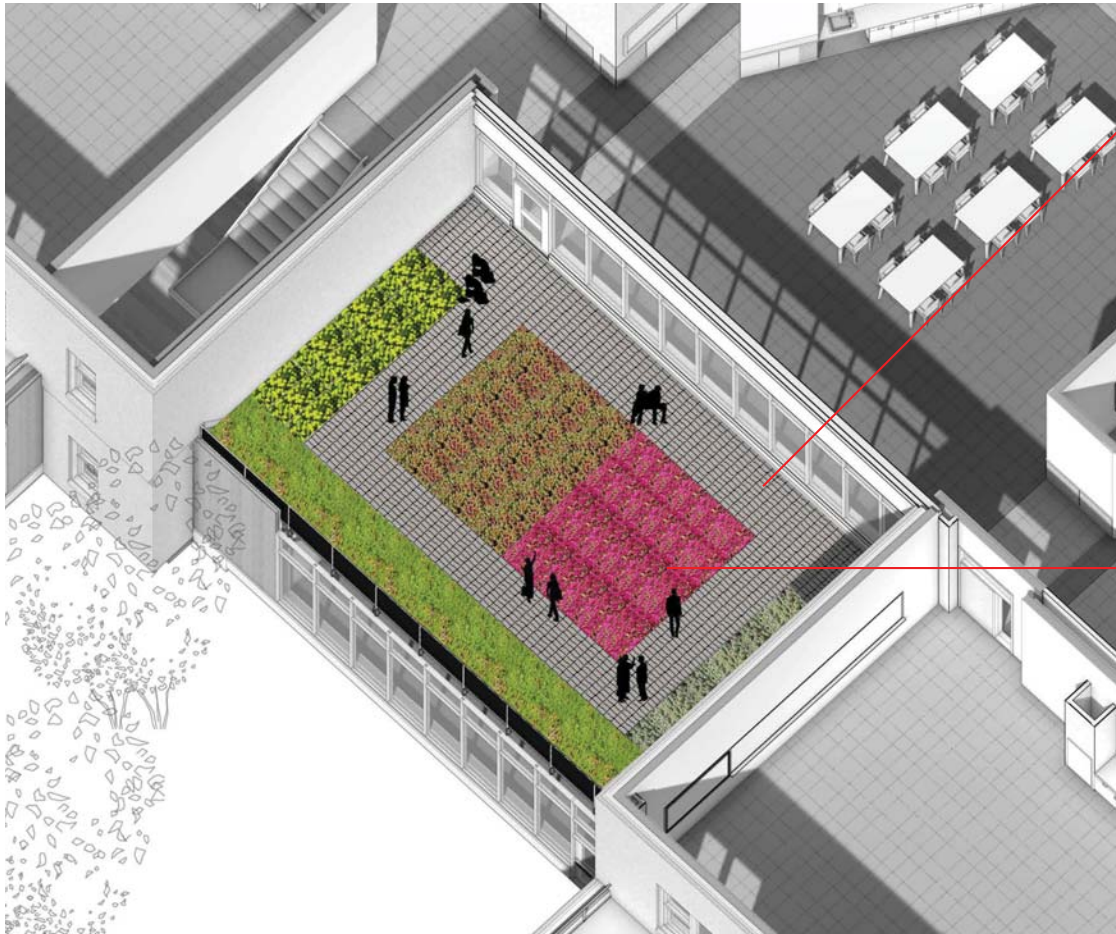


Roof Paver installation



Roof Paver installed adjacent to sedum trays

GREEN ROOF: TRAYS & PAVERS LAYOUT



Axonometric of Peebles Green Roof Layout



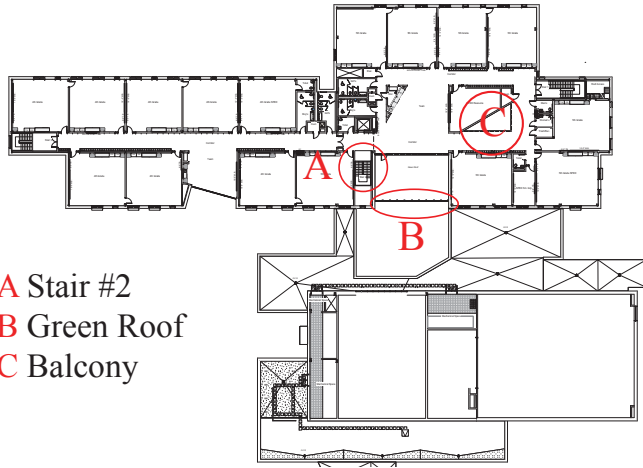
Roof Paver glued onto Grid Tray



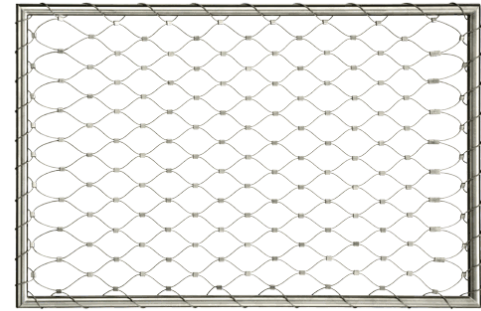
Sedum flower in tray



MESH GUARDRAIL



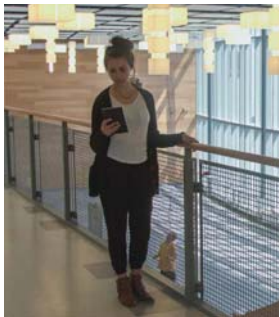
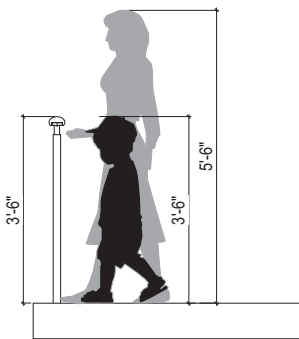
A Stair #2
 B Green Roof
 C Balcony



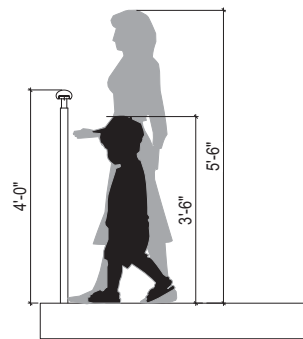
Mesh Guardrail Panel



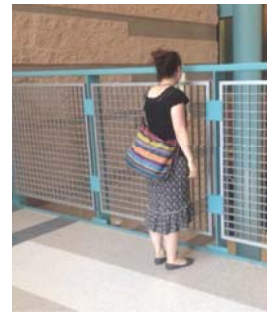
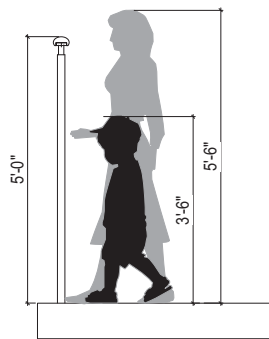
Mesh Guardrail Installed



West Bridgewater Middle/Senior High School



Academy of the Pacific Rim Charter School



Lawrence High School



Mesh Guardrail Installed

Architect to study a darker aluminum finish for the window units in the Phenolic Wall Panel Areas.

Dark Panel/Precast/Phenolic Panel

ALUMINUM COMPOSITE PANEL
WOOD RESIN PANEL
PRECAST BASE



Partial Exterior Elevation



ALUMINUM COMPOSITE PANEL
(@ WOOD RESIN LOCATIONS)



WOOD RESIN PANEL



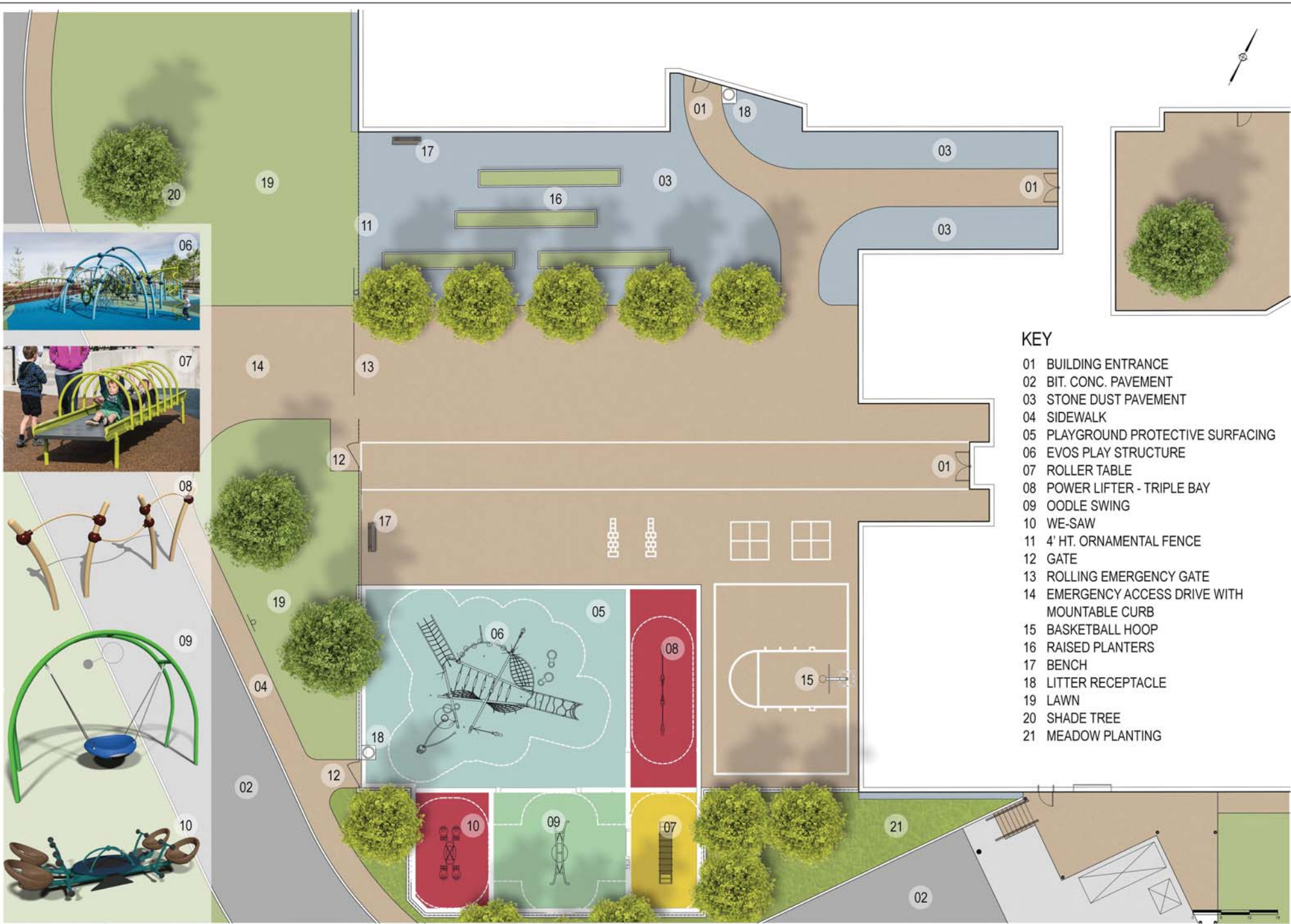
PRECAST CONCRETE
(@ WOOD RESIN BASE & WINDOW SILL)

Curbing and driveways have shown excessive damage by snow plows at the Freeman-Kennedy School. K. Kovacs will confirm with the School's Administration on when and how the damage was done and review the condition of the Bournedale concrete curbing for the next Committee meeting.

Response: 60K add for all granite curbing

Fire Department request for playground motorized gate operation.

Response: The gate shall be manually operated



- KEY**
- 01 BUILDING ENTRANCE
 - 02 BIT. CONC. PAVEMENT
 - 03 STONE DUST PAVEMENT
 - 04 SIDEWALK
 - 05 PLAYGROUND PROTECTIVE SURFACING
 - 06 EVOS PLAY STRUCTURE
 - 07 ROLLER TABLE
 - 08 POWER LIFTER - TRIPLE BAY
 - 09 OODLE SWING
 - 10 WE-SAW
 - 11 4' HT. ORNAMENTAL FENCE
 - 12 GATE
 - 13 ROLLING EMERGENCY GATE
 - 14 EMERGENCY ACCESS DRIVE WITH MOUNTABLE CURB
 - 15 BASKETBALL HOOP
 - 16 RAISED PLANTERS
 - 17 BENCH
 - 18 LITTER RECEPTACLE
 - 19 LAWN
 - 20 SHADE TREE
 - 21 MEADOW PLANTING

**JAMES F. PEEBLES
ELEMENTARY SCHOOL**

70 Trowbridge Rd. Bourne, MA 02532

FLANSBURGH
77 NORTH WALSHAMTON STREET
BOSTON, MA 02118-1919
FLANSBURGH.COM

Genoa, Gelabek and Collins
MEP & Fire Protection Engineers
370 Falcone Corner Road
Dartmouth, MA 02747

Waterman Design Associates
Landscape Architects
31 East Main Street
Westborough, MA 01581

Inhance Technology Design, Inc.
Technology & Data/Communications
3 Sumner Street
Chatham, MA 01824

Stanton Building Consultants
Structural Engineer
241 A Street, Suite 220
Boston, MA 02210

Tanning Design Associates
Food Service, FF&E, Casework
4 Winchester Plaza, Suite 301
Worcester, MA 01890

Nitich Engineering, Inc.
Civil/Traffic/Survey Engineers
2 Center Plaza, Suite 430
Boston, MA 02108

PAC-MA
Civil Estimators
39 South Street
Hingham, MA 02043

Playground Area
Enlargement

NO.	DATE	DESCRIPTION
1014	10/14	ISSUED FOR PERMIT
1015	11/16	REVISED
1016	05/09/17	REVISED
1017	05/09/17	REVISED

Review with the Police and Fire Department the emergency and ADA access to the football field during construction from the Middle School.

Response: The district reviewed with the departments and access will be through the existing provisions at the Middle School

Additive Bid Alternates



PROJECT MANAGEMENT **SMMA**
Massachusetts School Building Authority

Flansburgh Architects

Additive Bid Alternates

Currently tracking 60% Estimated Construction Cost: \$30,691,123

Additive/Alternates

1. Classroom Sound Reinforcement (intercom remains)	\$77,440 - Add. Alternate: Provide Sound Reinforce.
2. Trees and Plantings (50% reduction)	\$91,905 - Add. Alternate: Provide remaining 50%
3. Loading Dock Canopy	\$22,971 - Add. Alternate: Provide Canopy
4. Tennis Court Parking Lot (20 spaces)	\$22,561 - Add. Alternate: Provide Parking Lot
5. Timber Planters	\$17,600 - Add. Alternate: Provide Planters
6. Bench/Planters (outdoor classroom)	\$34,925 -Add. Alternate: Provide Bench
7. Brick Articulation	\$136,263 -Add. Alternate: Provide Brick Articulation
8. PVC ribs at Academic Roof	\$26,598 -Add. Alternate: Provide PVC ribs
9. PVC ribs at Gym/Cafe Roof	\$43,844 -Add. Alternate: Provide PVC ribs
10. Stonedust Path between Middle School/Peebles	\$5,000 -Add. Alternate: Provide path

Total: \$478,802