

PROJECT MINUTES

Project:	New Peebles Elementary School	Project No.:	15041
Prepared by:	Joel Seeley	Meeting Date:	3/2/2017
Re:	School Building Committee Meeting	Meeting No:	35
Location:	Bourne Veteran’s 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 Hyldburg	Chairman, School Committee	Voting Member
✓	Natasha Scarpato	Member, School Committee	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	Board of Health, Vice-Chairman School Building Committee	Voting Member
✓	Steven M. Lamarche	Superintendent of Schools, BPS	Voting Member
	Edward S. Donoghue	Director of Business Services, BPS	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	
✓	Betsy Farrell Garcia	FAI, Architect	
✓	Bill Beatrice	FAI, Architect	
✓	Joel Seeley	SMMA, OPM	

Item #	Action	Discussion
35.1	Record	Call to Order, 6:30 PM, meeting opened.
35.2	Record	J. Potter introduced P. O’Keefe as a new member of the Committee.
35.3	Record	A motion was made by P. Meier and seconded by R. Lavoie to approve the 2/16/2017 School Building Committee meeting minutes. No discussion, motion passed unanimous by those attending.
35.4	K. Kovacs	K. Kovacs will coordinate a tour of a few schools in May or June that represent the Interior Materials.
35.5	K. Kovacs District	J. Seeley distributed and reviewed the Educational Meetings Action Items Log, dated 3/2/17 and attached, tracking open issues from the Educational Leadership Meetings, as of the 2/15/17 meeting. K. Kovacs and the District to resolve and record the open items.
35.6	Record	<p>K. Kovacs distributed and reviewed the Police, Fire and DPW meeting minutes, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. R. Lavoie asked if the security camera system will be compatible with the Middle and High Schools systems? <i>K. Kovacs indicated the system will be an IP based system, which may not be compatible with the Middle or High Schools IP based systems due to the age of those systems.</i> 2. P. O’Keefe requested that the system have sufficient extra capacity for changes in the future. <i>K. Kovacs will verify that the system has extra capacity.</i> 3. J. Potter asked if there were any requests made that would increase the project scope and cost? <i>K. Kovacs indicated there was a request to motorize the gate into the playground area for emergency vehicular access. FAI is researching manual options and will review with the Fire Department in a future meeting.</i>
35.7	K. Kovacs	K. Kovacs indicated all the LED TVs, short-throw and standard projectors can receive and project cable television but additional devices will need to be needed to provide for independent access. K. Kovacs will review with the Educational Leadership Committee if independent access is required.
35.8	Record	K. Kovacs indicated the retractable lift for the standard projector in the Gymnasium is no longer needed as the projector will be a rear projecting projector located over the stage.
35.9	Record	K. Kovacs indicated the Educational Leadership Committee has decided that the Stage will not be an independent teaching space, therefore the operable partition on only the Gymnasium side of the Stage is acceptable.
35.10	K. Kovacs	<p>K. Kovacs distributed data sheets on the LVT products, attached. FAI is reviewing three alternative products to include in the specifications.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. J. Potter asked if there is any other product in the same cost range?

Item #	Action	Discussion
		<p><i>K. Kovacs indicated there are products that more expensive with lower maintenance and products that are less costly but have higher maintenance. The LVT at approximately \$6/sf is in between, having low maintenance due to not requiring stripping and waxing.</i></p> <p>2. W. Meier asked if the lifespan could be increased if the LVT was waxed? <i>K. Kovacs indicated no, the product is designed to last without waxing.</i></p>
35.11	K. Kovacs	K. Kovacs indicated the plastic laminate clad wainscot panel is included in the Design Development submission. FAI is still reviewing the Wolf Gordon and Acrovyn products.
35.12	K. Kovacs	K. Kovacs has contacted locker manufacturers for samples of the 30" and 36" high lockers.
35.13	K. Kovacs	K. Kovacs will provide lobby layout options on how the space could be used for multiple functions and how the I-Studio Display cases can be more visible. K. Kovacs will provide direction if all paper displays need to be in display cabinets, similar to when Bournedale was constructed.
35.14	K. Kovacs	K. Kovacs to review and provide direction if the Media Center can be wired for video for taping of meetings by BATV.
35.15	K. Kovacs	K. Kovacs will provide options on how the students can be involved in the design process, such as student created wall tiles or painted murals for Committee review.
35.16	Record	J. Seeley distributed and reviewed the Design Development Cost Estimate Comparison Form, attached. The Design Development cost estimate is within budget.
35.17	Record	A Motion was made by S. Lamarche and seconded by R. Lavoie to approve the Design Development package and authorize submission to the MSBA. No discussion, voted unanimously.
35.18	K. Kovacs S. Lamarche	<p>K. Kovacs distributed and reviewed the updated Construction Phasing Diagrams, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. J. Potter asked if a portion of the permanent entrance drive can be constructed in Phase 1 to be used as the temporary bus entry and exit. <i>K. Kovacs will review and provide direction at the next Committee meeting.</i> 2. S. Lamarche asked that the eastern property line be verified to include the jog near the maintenance building. <i>K. Kovacs will review and provide direction at the next Committee meeting.</i> 4. K. Kovacs indicated temporary teacher and staff parking will need to be provided during Phase 3 off-site, potentially in the adjacent High School lot. <i>S. Lamarche indicated this can be reviewed at the next Educational Leadership Meeting.</i> 5. K. Kovacs indicated the drive down to the football field in the final design is for emergency access and not designed for ADA access. <i>S. Lamarche indicated an alternative ADA access route can be explored at the next Educational Leadership Meeting.</i>

Item #	Action	Discussion
		<p>6. J. Potter indicated the current emergency access to the football field will potentially be impeded during all phases of construction. <i>K. Kovacs to review access options with the Police and Fire Department.</i></p> <p>7. J. Potter indicated the two-way traffic to the maintenance building in the final design may be confusing to the public and suggests adding an "Authorized Vehicles Only" sign and also ease the left hand turn radius onto the loop drive. <i>K. Kovacs will review and provide direction at the next Committee meeting.</i></p> <p>8. S. Lamarche asked if the Phase 3 duration is sufficient? <i>K. Kovacs indicated yes, as the demolition of the existing school will actually start immediately after the summer break starts.</i></p>
35.19	J. Seeley	J. Seeley distributed and reviewed the 60% Construction Document Phase Meetings Schedule. The Committee approves the schedule. J. Seeley to coordinate with the Community Center and BATV for the rooms and taping.
35.20	Record	Paperless agenda packages were reviewed and discussed. The Committee decided to continue with paper agenda packages.
35.21	J. Potter J. Norton K. Kovacs	<p>Old or New Business:</p> <p>1. J. Potter will contact the Town Moderator on the Member-at-Large vacancy.</p> <p>2. S. Lamarche asked about the process of accommodating in the design of the new school all of the memorial items at the existing Peebles School? <i>J. Norton indicated she can help generate a list of existing memorial items. K. Kovacs indicated the items will be tracked on a log to ensure they are incorporated into the design.</i></p>
35.22	Record	Next SBC Meeting: March 16, 2017 at 6:30 pm at the Bourne Veteran's Memorial Community Center.
35.23	Record	A Motion was made by P. Meier and seconded by N. Scarpato to adjourn the meeting. No discussion, voted unanimously.

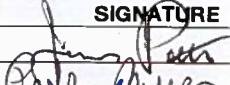
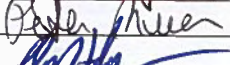

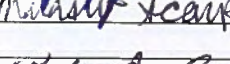
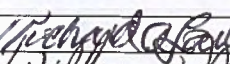
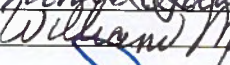
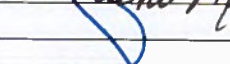




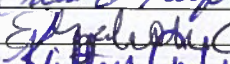
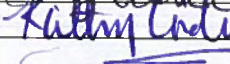


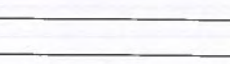

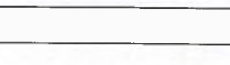
Attachments: Agenda, Educational Meetings Action Items Log, Police, Fire and DPW meeting minutes, data sheets on the LVT products, Design Development Cost Estimate Comparison Form, Construction Phasing Diagrams, 60% Construction Document Phase Meetings Schedule

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 Project No.: 15041
 Prepared by: Joel Seeley Meeting Date: 3/2/2017
 Re: School Building Committee Meeting Meeting No: 35
 Location: Veterans Memorial Community Center 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	Bourne Board of Selectmen
	Christopher Hyldburg	chrish@alpha-1.com	Chairman, Bourne School Committee
	Natasha Scarpato	scarpato4@comcast.net	Bourne School Committee
	Donna Buckley	d.j.buckley23@gmail.com	Member-At-Large
	Richard A. Lavoie	RichL.Lavoie@gmail.com	Member, Bourne Finance Committee
	William Meier	Dusty22752@aol.com	Building Trade Expert
	Frederick H. Howe	rickhowe9@gmail.com	Member-At-Large
	Steven M. Lamarche	slamarche@bourneps.org	Member-At-Large, Board of Health
	Edward S. Donoghue	EDonoghue@bourneps.org	Superintendent of Schools, BPS
	Thomas M. Guerino	tguerino@townofbourne.com	Director of Business Services, BPS, MCPPO
	Paul O'Keefe	mmachief@gmail.com	Town Administrator
	Elizabeth A. Carpenito	ecarpenito@bourneps.org	Member, Facilities and Maintenance Expert
	Kathy Anderson	kanderson@bourneps.org	Principal, BES
	Janey Norton	jnorton@bourneps.org	Elementary/Special Education Secretary
	Kent Kovacs	kkovacs@flansburgh.com	Principal, PES
	Betsy Farrell Garcia	bgarcia@flansburgh.com	Flansburgh Architects
	Joel Seeley	jseeley@smma.com	Flansburgh Architects
			SMMA

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AGENDA

Project:	New Pebbles Elementary School	Project No.:	15041
Re:	School Building Committee Meeting	Meeting Date:	3/2/2017
Meeting Location:	Veterans Memorial Community Center	Meeting Time:	6:30 PM
Prepared by:	Joel Seeley	Meeting No.:	36
Distribution:	Committee Members (MF)		

1. Call to Order
2. Approval of Minutes
3. Approval of Invoices and Commitments
4. Review Final Design Development Documents
5. Review Design Development Cost Estimate
6. Vote to Submit Design Development Package to MSBA
7. Review Updated Construction Logistics
8. Review of 60% CD Meeting Dates
9. Discussion of Paperless Agenda
10. Old or New Business
11. Public Comments
12. Next Meeting: March 16, 2017
13. Adjourn



*Town of Bourne
Massachusetts
Office of the Moderator
P.O. Box 81*



*Monument Beach, MA 02553-0081
Telephone: (508) 759-5806
Fax: (775) 218-8360
Bobplawyer@verizon.net*

March 1, 2014

Paul O'Keefe
43 Thom Avenue
Buzzards Bay, MA 02532
(508) 759-9218
mmachief@gmail.com

The Moderator has this day appointed you:

Member - Bourne School Building Committee.

Your term expires as provided in Section 1.8.6 of the Bourne Town Bylaws, as amended, unless you are a member appointed because of service on another office, board or committee, in which case your term on the School Building Committee expires upon the earlier of your leaving office on the board, office, or committee from which you are appointed, or as provided in Section 1.8.6.

Thank you sincerely for your willingness to serve.

Dated at Bourne, Massachusetts, this 1st day of March , 2017.

Robert W. Parady, Moderator

Duly sworn to office this _____

day of _____ March _____, 2017

Town Clerk/Assistant Town Clerk

Please take this appointment to the Town Clerk's Office to be sworn in to office

Date		Meeting Comment	Party	Resolution
December 14, 2016 Educational Meeting				
1	12/14/2016	Nurse: The nurse requested a dedicated icemaker. This item will require a decision by the District.	District	
2	12/14/2016	Music: It was requested after further review to change one practice room into a music office. FAI stated this request would need to be confirmed at the January 5th Academic Leadership team meeting.	FAI	This item was discussed at the January 5, 2017 Educational meeting and approved. FAI to update plans and space template.
3	12/14/2016	Art: It was requested that a minimum of three sinks to be provided with plaster traps.	FAI	This item has been incorporated into the art room layout
4	12/14/2016	Art: A request was made to incorporate a singular peninsula configuration similar to the Bournedale art room for greater access to sinks. FAI to review.	FAI	This item has been incorporated into the art room layout
5	12/14/2016	Art: Student work display areas should be studied both inside the art room and hallway areas. FAI to review.	FAI	
6	12/14/2016	Art: An office was requested beyond the already submitted MSBA space template. FAI explained the size of the art room and storage may reduce in size to accommodate this request would be discussed at the January 5th Academic Leadership team meeting.	FAI	This item was discussed at the January 5, 2017 Educational meeting and approved. FAI to update plans and space template.
7	12/14/2016	Library: A workroom and office should be incorporated into the overall layout. The workroom will require a sink. The main circulation desk does not need to be adjacent to the workroom and office.	FAI	The workroom with sink and office has been incorporated into the plan.

Date		Meeting Comment	Party	Resolution
8	12/14/2016	Library: The main circulation desk should have high counter portion "check-out" with a lower section at standard desk height. A book return area should be incorporated into the desk. District to confirm if a book return slot is required between the hallway and the media center.	District	
9	12/14/2016	Library: Fixed bookcases along the perimeter walls with mobile bookcases in the open areas can optimize flexibility. The District should provide FAI with anticipated book volume count to assist in planning bookcases and any required media storage area.	District	
10	12/14/2016	Grade 3: An exterior door was requested from the team room directly to the outdoor garden area. FAI stated this could be accommodated.	FAI	This item was discussed at the January 5, 2017 Educational meeting and approved. FAI to update plans.
11	12/14/2016	Grade 3: It was requested that connecting doors located between classrooms. FAI stated connecting doors were part of the project in the last phase and removed due to cost. This request will be discussed at the January 5th Academic Leadership team meeting.	FAI	This item was discussed at the January 5, 2017 Educational meeting and discussed and approved at the February 2, 2017 SBC. FAI to update plans.
12	12/14/2016	Grade 4: It was requested an additional teacher's toilets be located closer to the 4th grade. After review of the plan, one additional teacher's toilet can be incorporated on the second floor. This provides a total of 2 singular staff toilets on the first floor adjacent to the staff workroom, 2 singular staff toilets on the first floor within the administration suite, and 3 singular staff toilets on the second floor.	FAI	One singular staff toilet room has been provided within the 4th grade academic wing.
December 15, 2016 Educational Meeting				
1	12/15/2016	Physical Education: A water fountain was requested within the gym space. FAI stated this item will be incorporated.	FAI	The sink has been incorporated into the gymnasium layout.

Date	Meeting Comment	Party	Resolution
2 12/15/2016	Physical Education: The gym instructor liked the idea of having moveable bleachers for flexibility. FAI to study further.	FAI	
3 12/15/2016	Physical Education: An office was requested beyond the already submitted MSBA space template. FAI explained the size of storage area will be reduced in size to accommodate and this request will be discussed at the January 5th Academic Leadership team meeting.	FAI	This item was discussed at the January 5, 2017 Educational meeting and discussed and approved at the February 2, 2017 SBC. FAI to update plans.
4 12/15/2016	Physical Education: A request for a toilet and shower may be accommodated in the nearby custodial/kitchen area for shared use. FAI stated this request would need to be confirmed at the January 5th Academic Leadership team meeting.	FAI	This item was discussed and approved at the January 5, 2017 Educational meeting. FAI to update plans.
5 12/15/2016	Physical Education: The gym instructor was concerned outdoor play area and lawn would be limited to the new construction of the school. FAI stated during construction, the area in front of the existing Peebles (grass area currently used for PE) would be utilized by the contractor. After the final site work phase, there will be lawn area adjacent to the new tennis court. The instructor asked if a stone dust walking/jogging path could be created. FAI to review.	FAI	Outdoor lawn area with a walking / jogging path around the perimeter has been incorporated into the project
6 12/15/2016	Administration: It was mentioned that an additional office would be required to support the administration team for a desired total of five offices. We discussed reducing the conference rooms to accommodate the request. FAI stated this request would need to be confirmed at the January 5th Academic Leadership team meeting.	FAI	This item was discussed and approved at the January 5, 2017 Educational meeting. FAI to update plans.
7 12/15/2016	Administration: Storage strategies were discussed with options for both storage rooms for records and general hallway closets to accommodate office material. FAI to review.	FAI	

Date		Meeting Comment	Party	Resolution
8	12/15/2016	Administration: The mail/copy area was discussed with opportunities for a kitchenette as well as a work surface area for assembling documents. FAI to study this area further.	FAI	
9	12/15/2016	Middle School (5th Grade): Connecting doors were requested. FAI stated this request would need to be confirmed at the January 5th Academic Leadership team meeting.	FAI	This item was discussed at the January 5, 2017 Educational meeting and discussed and approved at the February 2, 2017 SBC. FAI to update plans.
10	12/15/2016	Middle School (5th Grade): Teachers asked if fixed desktop computers are planned for each classroom. FAI stated they are not and student use within the classrooms would be laptop or tablet based. District to confirm hardwired fixed desktops computers are not required within the classroom for student use.	District	
11	12/15/2016	Middle School (5th Grade): It was noted that a dedicated space to accommodate two small buses supporting students with needs should be provided. FAI to study location.	FAI	This item was discussed at the January 5, 2017 and January 27,2017 Educational meeting. The dedicated space will be located on the north-side of the building adjacent to the parent pick-up and drop-off.
12	12/15/2016	Computer: The floor plans were reviewed and designed computer areas discussed. There are limited fixed desktop machines in the iStudio (3-4 total) and in the Media Center (10-12 total). The classroom zone of the Media Center may be laptop or tablet based to accommodate 24 students. District to confirm hardwired fixed desktops computer locations.	District	
13	12/15/2016	Innovation Studio: There was a request for an additional open shelving wall that could be concealed with sliding marker boards fixed to the front. FAI will review the request with the furniture consultant.	FAI	
14	12/15/2016	Innovation Studio: The ceiling will remain open to provide the opportunity to hang objects/devices from structure above. The exposed deck and any ductwork will be painted a dark color. Color to be determined. FAI request the District decide if the adjoining art room shall have an exposed ceiling for consistency.	FAI	The Innovation Studio and Art room ceilings will be painted exposed deck and ductwork. This item was discussed at the February 16,2017 Educational meeting

Date		Meeting Comment	Party	Resolution
15	12/15/2016	Innovation Studio: Anticipated equipment is as follows: 3D-printer, laser cutting, 3 to 4 fixed computer stations serving equipment. Computers required hard connection to equipment. FAI to review with Technology consultant. District to confirm list of equipment to assist in mechanical ventilation requirements of space.	District/FAI	
16	12/15/2016	Custodians & Cafeteria: Site Related Items - The existing Peebles does not have a dumpster or compactor. All trash is collected in 50 gallon barrels, stored then loaded into a pickup truck. There may be a garbage truck in the future with the capacity to empty a dumpster. The project will be designed with the loading dock. A dock lift was requested to bring barrels and other materials down to the driveway elevation. FAI stated this is costly and not in the budget. The custodians requested a walking path that would connect the loading dock with the driveway. A dock leveler was also requested that is not currently in to budget. the custodians stated a loading plate would satisfy this need in lieu of a dock leveler. The District should provide the desired dumpster or compactor specifications to assist in designing the loading dock and any power requirements for the compactor.	District	
17	12/15/2016	Custodians & Cafeteria: Site Related Items - The custodians requested a stone dust drive connecting the middle school to the existing storage shed. FAI to evaluate if this connection is possible.	FAI	A crushed stone access road has been developed and incorporated into the project.
18	12/15/2016	Custodians & Cafeteria: Building-Related Items - It was requested that a 4'-0" chase with a full man-door be provided in between the gang toilets. FAI stated this is not a possibility due to space limitations. Access panels will be provided along the chase wall. FAI to follow up with GGD on location and size.	FAI	
19	12/15/2016	Custodians & Cafeteria: Building-Related Items - One larger continuous sink per gang toilet was requested in lieu of 2 individual sinks in each gang toilet. FAI to follow up with GGD on this item.	FAI	
20	12/15/2016	Custodians & Cafeteria: Building-Related Items - It was requested light fixtures in the egress stairs shall be wall mounted sconces for ease of access in lieu of "hard to reach" ceiling fixtures. FAI to follow up with GGD.	FAI	

Date		Meeting Comment	Party	Resolution
21	12/15/2016	Custodians & Cafeteria: Building-Related Items - FAI asked if the Boston Food Bank space, currently in the existing Peebles, should be accommodated into the new layout. The District should confirm if this space is required.	District	
22	12/15/2016	Custodians & Cafeteria: Building-Related Items - A student tray and dish window was requested from the main cafeteria. The District should confirm if trays and dishware will continue to be used by students or if disposable type is planned for the future. A future meeting with the kitchen director is required.	District	
23	12/15/2016	Custodians & Cafeteria: Building-Related Items - There was a request for a singular shower, toilets, and washer/dryer to be shared between custodial, kitchen and gym instructor. FAI stated this request would need to be confirmed at the January 5th Academic Leadership team meeting.	FAI	These items have been incorporated into the project
24	12/15/2016	Custodians & Cafeteria: Building-Related Items - A request for electric hand dryers in the gang toilets was requested. This would be total of 8 electric hand dryers. Paper towels can be used in the singular staff and SPED toilets. District to confirm this request.	District	
25	12/15/2016	Custodians & Cafeteria: Building-Related Items - There was a request to incorporate floor drains at all gang toilets. FAI to review the request.	FAI	
January 5, 2017 Educational Meeting				
1	1/5/2017	Gymnasium: The gym instructor like the idea of having moveable bleachers for flexibility. The District stated the target bleacher seat count should be 200. Students can be seated on the floor surface during an all student assembly. The group asked if the bleachers could be justified to one side only to maximize useable space on the opposing side. FAI to study bleacher configurations, both fixed and moveable.	FAI	
2	1/5/2017	Cafeteria: A requested student tray and dish window from the 12/15/2016 meeting was discussed. The District should confirm if trays and dishware will continue to be used by students or if disposable type is planned for the future. A future meeting with the kitchen director is required.	District	

Date		Meeting Comment	Party	Resolution
3	1/5/2017	Cafeteria: The requested shower, toilets, and washer/dryer from the 12/15/2016 meeting were discussed. This was acceptable by the group. FAI to study arrangement.	FAI	These items have been incorporated into the project
4	1/5/2017	Academic Wings: The group discussed the connecting doors requested at 12/14/2016 and 12/15/2017 meetings. The leadership team decided the doors should be incorporated into the project. FAI stated this item to be discussed at the January 5th SBC meeting.	FAI	Connecting doors have been incorporated into the project
January 26, 2016 Site Design Meeting				
1	1/26/2017	Site Design: Vehicular circulation for both cars and buses remains largely unchanged from the SD submission. The 24' wide, one-way circulation has been maintained. A crushed stone vehicular access from the Middle School to the maintenance shed has been added for pricing purposes. Cost will determine if the access drive remains in the project.	FAI/WDA	
2	1/26/2017	Site Design: Pedestrian circulation from Trowbridge Road and around the perimeter of the building also remains largely unchanged. The width of the sidewalk from Trowbridge Road to the main entrance has been widened to 8' minimum to accommodate shared pedestrian and bike use to allow us to meet the criteria for the LEED Location and Transportation credit for Bicycle Facilities. Additional pedestrian paths to connect the new school to the larger campus have been introduced for pricing purposes. Cost will determine if the paths remain in the project.	FAI/WDA	
3	1/26/2017	Playground Area: Program elements will include at least one play structure for age 5-12 children, the size of which will be determined based on the total square foot area of the designated structure area; a paved free play area with painted pavement striping for games (foursquare, hopscotch, etc.); a student garden area with raised timber planters; and four benches and two trash/recycling receptacles.	FAI/WDA	
January 27, 2017 Food Service Meeting				
1	1/27/2017	Change the 5 well hot wells to 4 well hot wells	FAI/TDA	

Date		Meeting Comment	Party	Resolution
2	1/27/2017	Change two of the hot cabinets to cold cabinets. A total of 2 hot and 2 cold cabinets to be provided.	FAI/TDA	
3	1/27/2017	Add a microwave oven	FAI/TDA	
4	1/27/2017	Add a Robo coup, food processor	FAI/TDA	
5	1/27/2017	Range to have storage base, not oven base	FAI/TDA	
6	1/27/2017	Two flat top condiment carts to be added to the cafeteria space with enclosed base.	FAI/TDA	
7	1/27/2017	Remove one section of storage shelving and add two can racks in place.	FAI/TDA	
8	1/27/2017	Worktables to have casters	FAI/TDA	

Date		Meeting Comment	Party	Resolution
9	1/27/2017	Convection ovens to have casters and flexible gas connection.	FAI/TDA	
10	1/27/2017	Steamer to be boiler less unit.	FAI/TDA	
11	1/27/2017	Add kettles (two trunnion)	FAI/TDA	
12	1/27/2017	Remove one double convection oven	FAI/TDA	
13	1/27/2017	Add pot rack over item FS-21	FAI/TDA	
14	1/27/2017	Add over shelves to items FS-14, FS-15 and FS-20	FAI/TDA	
15	1/27/2017	Relocate door into office to kitchen side	FAI/TDA	

Date		Meeting Comment	Party	Resolution
16	1/27/2017	TDA to update layout and provide cut sheets.	FAI/TDA	
February 15, 2017 MEP/FP Meeting				
1	2/15/2017	150kw natural gas generator originally proposed to back up life safety/basic systems. 250kw diesel generator carried in estimate set for inclusion of the kitchen load in "shelter" scenario. Natural gas generators 200kw and above triggers a significant increase in cost, therefore diesel was proposed for the 250kw. Generator calculation to be provided.	FAI/GGD	
2	2/15/2017	Addressable fire alarm system to be provided. Fire alarm control panel to be located in the Main Electrical Room and the annunciator panel located in the Main Vestibule. System requirements to be confirmed with fire department.	FAI/GGD	
3	2/15/2017	Fire Department Connection was pointed out. This location and other Fire Department related questions will be confirmed at the meeting with Fire Department, scheduled for 2/13/2017.	FAI/GGD	
4	2/15/2017	A plumbing fixture cut package will be provided at 60%CD for review.	FAI/GGD	

Meeting Notes

DATE: March 02, 2017

PROJECT: Bourne Public Schools

PRESENT: Dennis Woodside – Bourne Police Dept.
Norman Sylvester – Bourne Fire Dept.
George Sala – Bourne DPW (present for Fire Department meeting only)
Edward Donoghue – Director of Business Services
Chris Garcia – GGD (present for Fire Department meeting only)
Mike Dowhan – Veri / Waterman Associates
Kent Kovacs – Flansburgh Architects
Bill Beatrice – Flansburgh Architects

A series of discussions took place at the Bourne Police and Fire Departments with the design team on Monday, February 13th.

Bourn Police Dept. (10:00 am)

- Reviewed building access points and camera locations. No additional equipment or changes were requested.
- Reviewed overall site layout and topography. In order to balance the site, grades around the new building will be raised – thus creating a “level” site and improving sight lines. No additional changes were requested.
- Reviewed site entry points, parking, bus and parent drop-off routes. No additional changes were requested.

Bourne Fire Dept. (11:00 am)

- Fire department connection is 4” Storz type. Provide two connections on building. One connection to be located on north side of building near Classroom wing. Second connection to be located on south side of building adjacent to receiving area. Signage to be provided on the building above each fire department connection.
- BDA to be used to amplify Fire Department radio only.
- Hydrant flow test performed in September 2016. Fire pump is not required for the building.
- Building will not be classified as an Emergency Shelter.
- Automatic sprinkler system will be wet type. Three sprinklers zones to be provided – 1) First Floor Classroom Wing, 2) First Floor Assembly areas & 3) Second Floor Classroom wing. All sprinkler zones will have dedicated supervised shutoff valve and flow switch.
- New addressable fire alarm system will be provided. Alarm transmission is through central station.

Flansburgh Architects

- Main Electric Room and Main Emergency Electric Room will not be protected with automatic sprinklers. Rooms will be 2-hour rated. These rooms will have smoke detectors.
- CO detectors provided in kitchen at cooking island. CO to be provided outside of rooms where natural gas heating equipment is provided. CO detection shall put building into alarm.
- Rooftop units shall be labelled and numbered. Labelling shall be coordinated with the fire alarm system.
- Standpipe connections to be provided in Classroom wing. Standpipe to be provided in each stair with a third located near elevator.
- No roof outlets required.
- No PIV required on fire service.
- Reviewed site entry points, parking, bus ques and parent drop-off routes. (9) buses are typically used – in (2) shifts, buses will not be “doubled up”. No additional changes were requested. FAI to follow up with District on “Event” parking.
- Width of entry has been increased to 20’-0” as previously requested.
- Precast curbs will be used at the straight runs, granite curbs for the curved sections. Mountable granite curb has been provided for firetrucks to access the rear play area (west elevation).
- BFD requested gate providing access for firetrucks at rear play area be electrified and tied into the fire alarm system. District to evaluate this request.
- Lettering on building shall be 12” tall (building number / school name). All exterior doors shall be numbered (6” tall) located above doors. Pairs of doors are considered one number.
- Hose connection in courtyard is not required.
- BFD has requested an 18” boarder of crushed stone around the base of the building. Veri/Waterman to review and include in base design.

NATURAL CREATIONS®

ArborArt® • EarthCuts® • Mystix®

Luxury Vinyl Tile (LVT)



COMMERCIAL FLOORING

The essence of earth's woods and stones, plus design trends in multiple sizes is displayed in the Natural Creations collection of luxury vinyl tile. It features CONTINUUM™ colors and designs that coordinate with Armstrong REJUVENATIONS™ sheet flooring. The durable, abrasion-resistant wear layer allows for years of good looks while the UV-cured urethane coating may eliminate the need for polishes in some areas. Awarded ADEX Gold for Design Excellence, Natural Creations offers traditional, rustic and exotic wood-looks in ArborArt, natural surface characteristics and color variation in EarthCuts and contemporary design trends in Mystix.

PRODUCT INFORMATION				
Construction	Solid Vinyl Tile [a.k.a. Luxury Vinyl Tile (LVT)]			
Product Line	Natural Creations – ArborArt, EarthCuts, Mystix			
International Product Specifications	ASTM F 1700, Class III, Type B – embossed surface			
Overall Thickness	0.125 in. (3.2 mm)			
Wear Layer Thickness	0.020 in. (0.5 mm)			
Finish	UV-cured Polyurethane			
Installation	Full Spread Adhesives – S-288 Premium, S-543 High-Moisture, S-240 Epoxy			
Maintenance Options	Polish No Polish – Spray Buff/No Buff			
PACKAGING				
Tile Sizes	12 in. x 12 in. (305 mm x 305 mm)	4 in. x 36 in. (102 mm x 914 mm)		
	16 in. x 16 in. (406 mm x 406 mm)	6 in. x 36 in. (152 mm x 914 mm)		
	18 in. x 18 in. (457 mm x 457 mm)	6 in. x 48 in. (152 mm x 1219 mm)		
	12 in. x 24 in. (305 mm x 610 mm)	8 in. x 36 in. (203 mm x 914 mm)		
	18 in. x 36 in. (457 mm x 914 mm)	9 in. x 48 in. (229 mm x 1219 mm)		
Shipping Weight	Contact Techline – www.armstrong.com/commflooringna/flooring-techline.html			
PERFORMANCE	TEST METHOD	MINIMUM REQUIREMENT	PERFORMANCE VS. REQUIREMENT	
ASTM F 1700	Thickness	ASTM F 386	Nominal ± 0.005 in.	Meets
	Size	ASTM F 2055	± 0.016 in. per linear foot	Exceeds
	Squareness	ASTM F 2055	0.010 in. max	Exceeds
	Residual Indentation	ASTM F 1914	Average less than 8%	Exceeds
	Flexibility	ASTM F 137	≤ 1.0 in., no cracks or breaks	Exceeds
	Dimensional Stability	ASTM F 2199	≤ 0.024 in. per linear foot	Exceeds
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets or Exceeds
	Resistance to Heat	ASTM F 1514	ΔE ≤ 8	Exceeds
	Resistance to Light	ASTM F 1515	ΔE ≤ 8	Exceeds
Supplementary	Static Load Limit – Subjective Visual	ASTM F 970	No visually apparent indentation	250 psi
	Fire Test Data – Flame Spread	ASTM E 648	0.45 watt/cm ² or more Class I	Meets
	Fire Test Data – Smoke Evolution	ASTM E 662	450 or less	Meets
	Fire Test Data – Canada	CAN/ULC S-102.2	Use dependent	Flame Spread – 90 Smoke Developed – 385
	Certified Low Emitting Product	LEED® EQ4.3	Meets Guidelines	Meets
	Certified Low Emitting Adhesive	LEED EQ4.1	Meets Guidelines	Meets
	Plant Certification	ISO 14001	Meets Certification Guidelines	Certified
	Indoor Air Quality	FloorScore™	Meets Certification Guidelines	Certified
	Indoor Air Quality	CHPS 01350	Meets Certification Guidelines	Certified
NSF/ANSI 332	Sustainability Assessment	Meets Certification Guidelines	Gold Level Certified	
WARRANTY				
10-Year Commercial Warranty when installed in accordance with Armstrong's Guaranteed Installation Systems manual, F-5061.				
LINKS				
Installation Instructions – www.armstrong.com/pdbupimages/194605.pdf				
Maintenance Information – www.armstrong.com/pdbupimages/197965.pdf				
View the full line – www.armstrong.com/commflooringna/products/lvt				
Email Techline – www.armstrong.com/commflooringna/contact_techline.jsp				

NATURAL CREATIONS®

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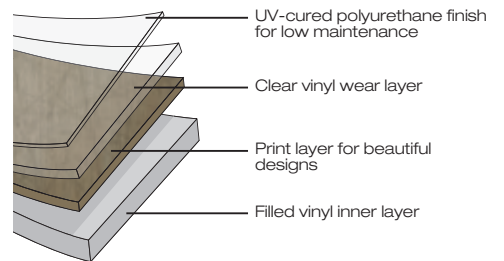
Luxury Vinyl Tile (LVT)



COMMERCIAL FLOORING

Sustainability Facts

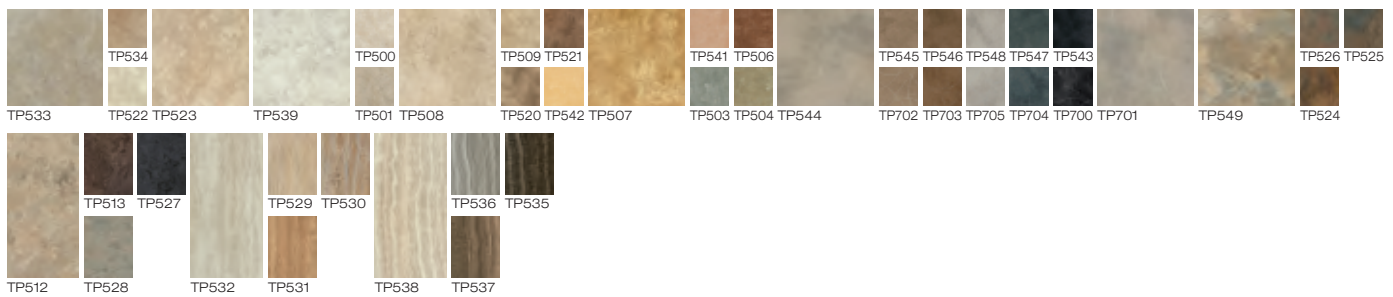
Serving LVT	As Served
Certified to meet LEED® EQ Credit: Low Emitting Interiors	✓
Adhesives	
Certified to meet LEED® EQ Credit: Low Emitting Interiors	✓
FloorScore™ Certified to CDPH Standard Method V1.1-2010	✓
Collaborative for High Performance Schools CHPS-IEQ2.2 & LABS-21 IEQ4.3	✓
ISO 14001 Plant Certification	✓
U.S. Green Building Council Member	✓
Canada Green Building Council Member	✓
NSF/ANSI 332 Gold Level Certified	✓
Low Maintenance Option	✓



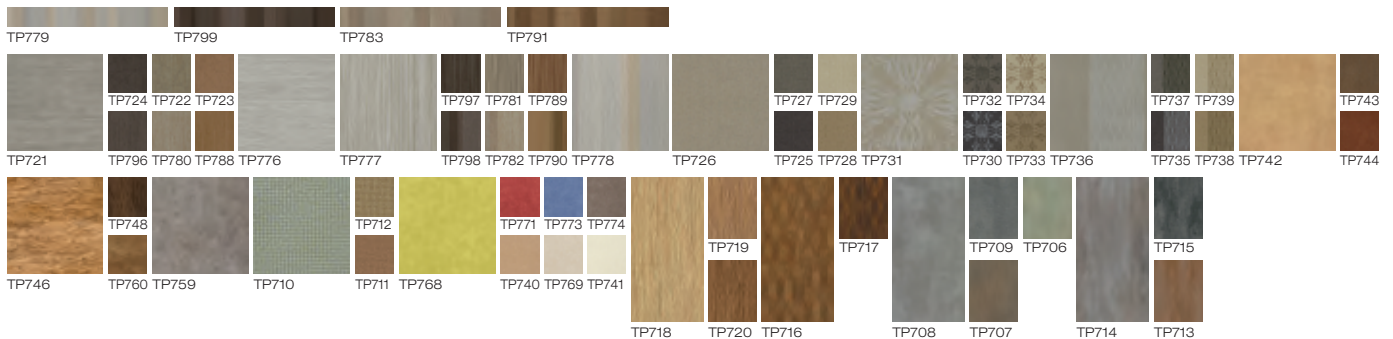
ArborArt



EarthCuts



Mystix



SOUNDSOAK®

Standard Acoustical Wall Systems

73% MINERAL FIBER 52% FIBER-GLASS RECYCLED CONTENT

Calculate LEED contribution at armstrong.com/greengenie

LEED®



LOCATION DEPENDENT



Soundsoak® Wall System 24" x 72" panels in FR-701® Eucalyptus fabric

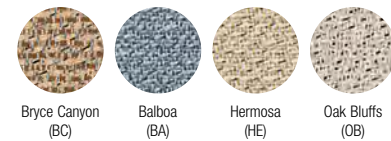
Easy-to-install wall system, available in a variety of fabric colors, and a wide range of sizes.

KEY SELECTION ATTRIBUTES

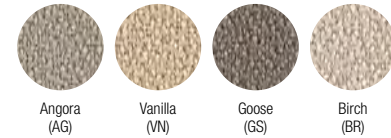
- Available in two substrates
- Acoustical Wall System with an inner core absorbs 50-90% of sound striking surface
- 3 to 6 times the sound absorption of fabric-covered gypsum
- Wide variety of chair rail accessories for design and durability
- Coordinate finishes for Soundsoak Baffles (pgs. 61-62); and Diffusers (pg. 339)
- Full standard finish offering at armstrong.com/soundsoak

WOVEN FABRIC SURFACE

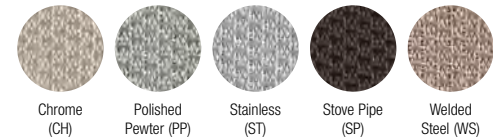
Lido™ (LD)



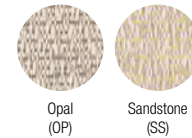
Anchorage™ (AN)



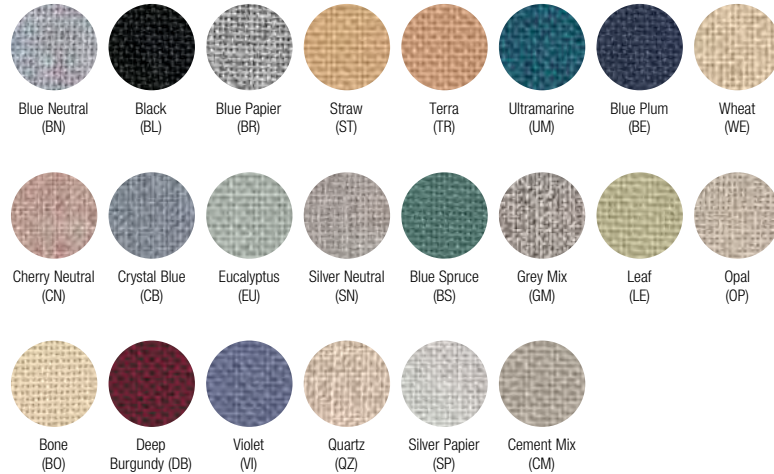
Metallation™ (MT)



Spinel™ (SP)



FR-701® (FR)



Fabrics are dye-lotted and should be segregated by dye lot. Do not mix. Guilford of Maine®, FR-701®, Lido™, Anchorage™, Metallation™, and Spinel™ are registered trademarks of Guilford of Maine.

VISUAL SELECTION For Soundsoak corners, chair rails, and moldings, see pg. 350.

PERFORMANCE Dots represent high level of performance.

Product	Item Number*	Substrate	Finish	Panel Width	Dimensions				Surface Type**
					Panel Height	Panel Thickness			
Soundsoak 60	40__0__	Mineral Fiber	Woven Fabric Composed Fabric	30"	72", 96", 108", 120"	3/4"	W: FR, AN, MT, LD, SP C: RH, TS		
Soundsoak 85	32__1__	Fiberglass	Woven Fabric Composed Fabric	24"	72", 96", 108", 120"	1"	W: FR, AN, MT, LD, SP, RH C: RH, TS		

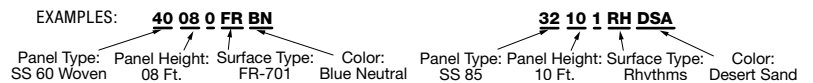
NRC Rating		STC Rating†	
A Mount	D Mount	1 Side	2 Sides
0.65	0.70	43	45
0.80	0.90	-	-

** FR-701 (FR), Lido (LD), Spinel (SP), Metallation (MT), Anchorage (AN), Tempos (TS), Rhythms® (RH)

* Add panel height, surface type, and color when specifying or ordering.

† 3-5/8" metal studs with one layer of 5/8" drywall on both sides and Soundsoak 60 on one or both sides.

EXAMPLES:



PHYSICAL DATA

Fire Performance

Tested to ASTM E84 – 25/200
Tested to CAN/ULC S102*** – 25/250 Composite Class A rating per IBC (fabric, substrate, and adhesive)

For more details on Soundsoak fire performance, visit our web site at armstrong.com/soundsoak

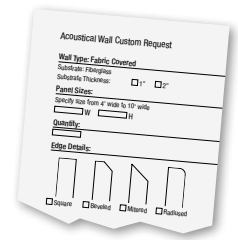
Warranty

Details at armstrong.com/warranty

SOUNDOAK®

Custom
Acoustical Wall Systems

Use our online Custom Walls Selection Form at armstrong.com/customsoundsoak, and we will create walls to your specifications.



Custom Soundsoak® Walls in Guilford of Maine® Block Party Canyon fabric with half bevel edge

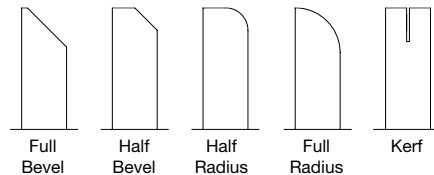
Easy-to-install wall system, available in a variety of custom options.

KEY SELECTION ATTRIBUTES

- Custom fiberglass panels up to 48" wide and 120" high on 1/2" – 4" fiberglass, in 1/2" increments
- Tackable options including 5/8" thick mineral fiber panels that will sit flush with door frames – perfect for offices and corporate environments
- Variety of impact resistant acoustical wall panels available for high-traffic and high-abuse areas
- Convex and concave curved panels in up to 48" x 120" sizes

EDGE DETAILS

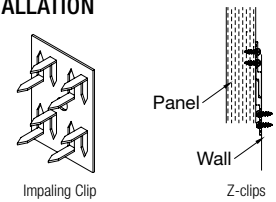
Fabric-wrapped edge profile options on custom panels include: square, beveled, mitered and radiused edges.



Custom Soundsoak Wall System in Custom Carnegie Strie fabric with kerf edge

FLEXIBLE INSTALLATION

- Impaling Clips
- Z-clips
- Adhesive



ACOUSTICAL PERFORMANCE

Dots represent high level of performance.

Fiberglass Thickness	NRC*
3/4"	0.70
1"	0.80
1-1/8"***†	0.85
1-1/2"	0.95
2"	1.05
2-1/8"***†	0.95
3"	1.15

* Acoustical performance may vary depending on the fabric used.

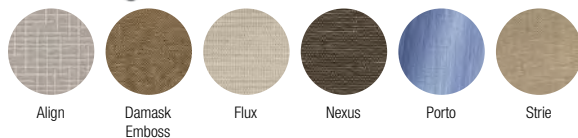
** 2"- and 3"- thick panels are designed to reduce noise and reverberation in spaces, especially those exposed to exterior transportation noise or interior equipment and appliance noise.

† Fiberglass with 1/8" MFG for impact resistance

CUSTOM FABRICS (PARTIAL LIST) Due to printing limitations, shade may vary from actual product.

NOTE: Custom Soundsoak is also available in all standard woven Soundsoak fabrics. Choose from a large selection of panel fabrics from manufacturers like: Guilford of Maine, Hytex, Carnegie, Koroseal, Maharam, Knoll, Designtex.

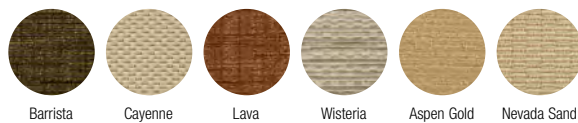
Carnegie



DESIGN tex



HYTEX®

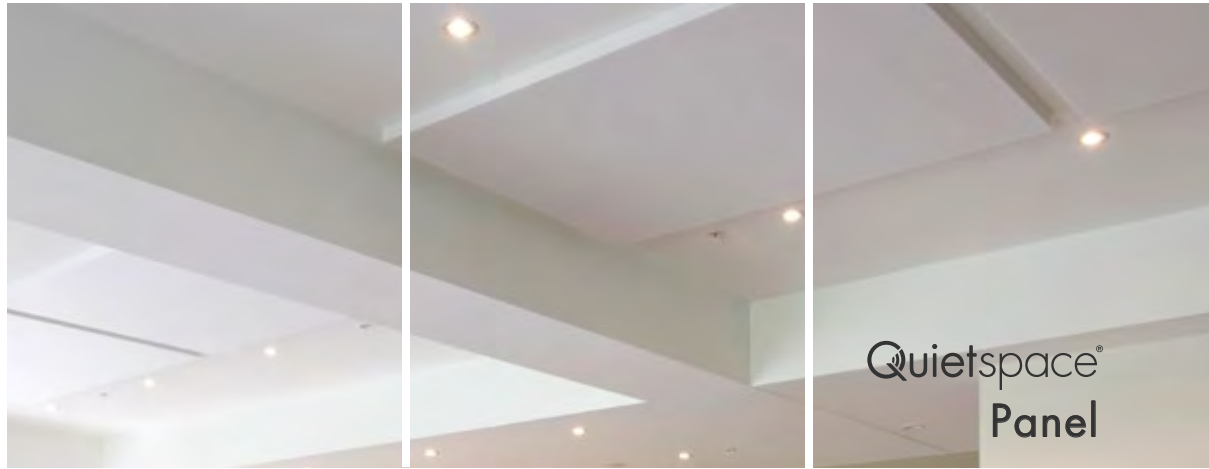


Guilford of Maine™ is a registered trademark of Guilford of Maine. Hytex® is a trademark of Hytex Industries. Koroseal® is a trademark of RJF International Corporation. Carnegie® is a registered trademark of Carnegie Corporation, Inc. Maharam® is a registered trademark of Maharam fabric corporation. Knoll® is a registered trademark of Knoll, Inc. Designtex® is a registered trademark of Steelcase Corporation.

TechLine™ / 1 877 ARMSTRONG
armstrong.com/soundsoak
(search: soundsoak walls)
BPCS-5096-1115

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Quietspace®
Panel

Engineered for superior sound absorption and balanced acoustic design; Quietspace® Panel is a premium sound solution for wall and ceiling applications. Utilizing the latest cutting and printing technology, any image or design can be recreated as a unique acoustic detail, custom panel or artwork.

An ideal alternative to fabric wrapped frames, Quietspace® Panel is light-weight, semi-rigid, impact resistant and incredibly durable, allowing interior designers to explore new horizons and break established boundaries, whilst achieving high levels of sound absorption.

Quietspace® Panel is supplied to site in sheet form that can be cut and framed on-site eliminating issues with on-site variations in wall size and shape that have traditionally posed problems for fabric wrapped panels manufactured and finished off-site.

Quietspace® Panel is made from 100% recyclable polyester and manufactured under Autex's ISO 14001 accredited Environmental Management System. Quietspace® Panel contains a minimum of 45% post-consumer recycled material (PET bottle-flake).

Key Features and Benefits

- Premium acoustic performance
- Offers complete design flexibility with our ability to provide custom color printing
- Available in 1", 2", 3" or 4" thickness options
- Made from 100% polyester fiber without chemical binders or retardants
- Manufactured using a minimum of 45% already recycled material from post-consumer waste
- Highly durable providing long-term stability and performance
- Safe, non-toxic, non-irritant and non-allergenic
- Resistant to fading
- Light-weight and easy to handle

- Manufactured under ISO 9001 and ISO 14001 accredited Quality and Environmental Management Systems
- Does not contain any Red List chemicals *

Applications

- High performing acoustic panel for sophisticated commercial interiors
- Premium acoustic surface for framed modular office partition panelling
- Suspended or direct fixed feature in ceilings
- Wallcovering with exceptional absorption of reverberated noise
- Functional acoustic wallcovering for retail and commercial interiors
- A decorative feature with custom cut and custom printing options available

Specification:

(Wall/Ceiling) treatment shall be Quietspace® Panel from thermally bonded polyester containing not less than 45% post-consumer recycled material as manufactured by Autex www.autexacoustics.com

Panel 3'11 1/4" x 7'10 1/2" [L]" nom depth, sound absorption:
1": Class B, NRC 0.85. 2": Class A, NRC 1.00. 3": Class A, NRC 1.05. 4": Class A, NRC 1.05.

Fire rating 1": ASTM E-84: 0.98": Class A FS:0 - SD:10, 2": Class B FS:50 - SD:130, ISO 9705: Classification: Group 1-S, AS ISO 9705 - 2003: Group 1, EN13501-1:2007+A1:2009: B - s2, d0, 2": EN13501-1:2007+A1:2009: B - s2, d2.

Install as per Autex recommendations. If Quietspace Panel is to be specified for use other than as a ceiling or wallcovering please contact your installation professional or Autex Interior Acoustics NA.

* Red List chemicals are defined by the United States Environmental Protection Agency (U.S. EPA) and The International Living Future Institute as materials that are harmful to living creatures, including humans. A full list can be found at www.declareproducts.com

Product Name Quietspace® Panel
Composition 100% Polyester Fiber (PET)
Panel Dimensions 3'11 1/4" x 7'10 1/2"
(+3/16"/-0") (+13/32"/-0")

Thickness (+/-6%) 1" | 2" | 3" | 4"
Weight (oz/ft²) 7.54 | 12.45 | 17.23 | 18.22

Thickness measured in accordance with AS/NZS 2111.1:1996 – ISO2094:1986

Installation
 Install as per Autex recommendations.

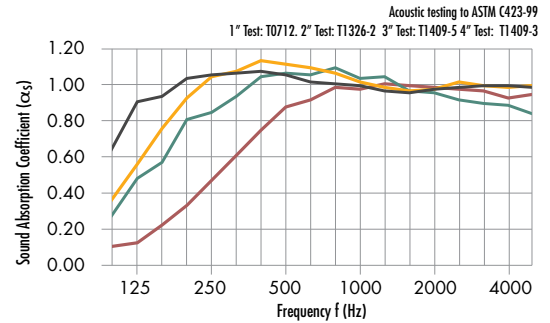
Light Reflectance
 Quietspace® Panel is suitable for indoor use only and has been tested to the following standard:
ASTM 5036: 83

Thermal Performance
 1": R3.63 (@59°F) 3": R12.03 (@59°F)
 2": R8.40 (@59°F) 4": R16.80 (@59°F)

Acoustic Performance

Quietspace® Panel is specifically designed to reduce and control reverberated (echo) noise in building interiors.

Minimum Noise Reduction Coefficient 0.85



Frequency (Hz)	125	250	500	1000	2000	4000	NRC
0.98" (αs)	0.12	0.47	0.88	0.98	0.99	0.93	0.85
1.97" (αs)	0.48	0.85	1.07	1.04	0.96	0.89	1.00
2.95" (αs)	0.56	1.05	1.12	1.02	0.98	0.99	1.05
3.93" (αs)	0.91	1.06	1.06	1.00	0.98	1.00	1.05

Fire Ratings

ASTM E-84:
 0.98": Class A FS:0 - SD:10
 1.98": Class B FS:50 - SD:130

ISO 9705: 1993
 Classification: Group 1-S
 Smoke Production Rate: <5.0m²/s
 As required by NZBC C/VM2

AS ISO 9705 - 2003
 Classification: Group 1
 (SMOGRARC): <100m²/s²
 As required by BCA C1.10
 Tested 16 May 2012, BRANZ (FI 4871)

EN13501-1:2007
 B - s2, d0
 Report 185157 dated 22nd July, 2009

EN13501-1:2007+A1:2009 (2" Quietspace® Panel)
 B - s2, d2
 Report WF 336912 dated 25nd February, 2014

VOC Emissions

Autex polyester has been tested for chemical emission (Report: CV080408) and is classified as low VOC.
 VOC concentration: 0.01 mg/m³

Moisture Absorption

Polyester fiber when exposed to an atmosphere of 122°F at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture, mold or mildew and will not rot or deteriorate in intended use situations.

Fabric Care

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution.

Impact Resistance

Quietspace® Panel has been impact resistance tested to EN13964:2004 and meets the criteria of Class 1A; not adversely affected at impact velocities over 52.5'/s.

Environmental

Autex is committed to best practice through our ISO 9001 and ISO 14001 accredited Quality and Environmental Management Systems.

Quietspace® Panel products contains a minimum of 45% previously recycled polyester fiber (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible.

Panel is manufactured from 100% polyester fibers and does not contain chemical binders including formaldehyde. Autex polyester fibers support safer indoor air quality and will not become a potential airborne pollutant.

Service

For further information about Quietspace® Panel or any other Autex product, please contact your installation professional or Autex Interior Acoustics NA.

Quietspace® is a trademark of Autex Industries Limited and Autex Interior Acoustics NA.

WOOD

Rustic Pine

Luxury Vinyl Tile

Construction

High Performance Luxury Vinyl Tile

Finish

Adámas™ UV-Cured Polyurethane

Wear Layer Thickness

28 mil (0.7 mm)

Overall Thickness

.100" (2.5 mm)

Edge Profile

Micro Bevel

Critical Radiant Flux (ASTM E648)

Pass - Class I

Smoke Density (ASTM E662)

Pass - <450

Flexibility (ASTM F137)

Pass

Heat Stability by Color Change (ASTM F1514)

Pass

Light Stability (ASTM F1515)

Pass

Static Coefficient of Friction (ASTM D2047)

Pass

Dimensional Stability (ASTM F2199)

Pass

Resistance to Chemicals (ASTM F925)

Pass

Static Load Limit (ASTM F970)

Pass

Installation

Glue down

Tile Size

7" x 48" (17.78 cm x 121.92 cm)

Pieces Per Box

15

Weight Per Box

29.10 lb (13.20 kg)

Quantity Per Box

35.0 ft² (3.25 m²)

Warranty

12 Year Limited Commercial Wear Warranty

WARRANTIES

12-Year Limited Commercial Wear

1-Year Manufacturing Defect Warranty

See warranty document for full details of terms and conditions.

ADHESIVE

Milliken LVT Adhesive

See installation instructions for more information on adhesive use.



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Milliken LVT Construction

- ADÁMAS™ POLYURETHANE COATING** UV-cured coating, reinforced with silica beads, that provides excellent stain and abrasion resistance, eliminates the need for wax, polishes and harsh chemicals—reduced maintenance costs and contributes to improved IAQ.
- TRANSPARENT WEAR LAYER** 0.70mm (28 mil) Transparent Wear Layer. Hard-wearing, provides long lasting appearance retention in heavy commercial traffic environments. Superior performance versus traditional 0.50" (20 mil) & 0.55" (22 mil) wear layers.
- PRINTED LAYER** This layer utilizes high definition print film for stunning, eye-perfect, authentic visuals.
- CORE AND BACKING LAYERS** Our high content, 100% virgin vinyl core and backing ensures excellent dimensional stability, impact resistance and durability.



Wear Layer Thickness
28 mil (0.7 mm)

Overall Thickness
.100" (2.5 mm)

Milliken LVT meets many environmental standards, including:

- 100% REACH Compliant
- FloorScore® certified
- Declare ingredient label
- Third Party Certified EPD

Milliken LVT is highly durable resilient flooring engineered with the highest quality raw materials to provide unsurpassed performance and enduring aesthetics. Milliken LVT is 100% phthalate free utilizing bio-based plasticizers derived from soya bean oil as the phthalate alternative. All production waste is granulated and recycled into backing production to create an internal closed loop recycling process. Milliken LVT is manufactured at facilities that are ISO 9001 and ISO 14001 compliant.

Also available is Milliken underlayment for use with both our 2.5 mm glue down LVT and our Freelay LVT.

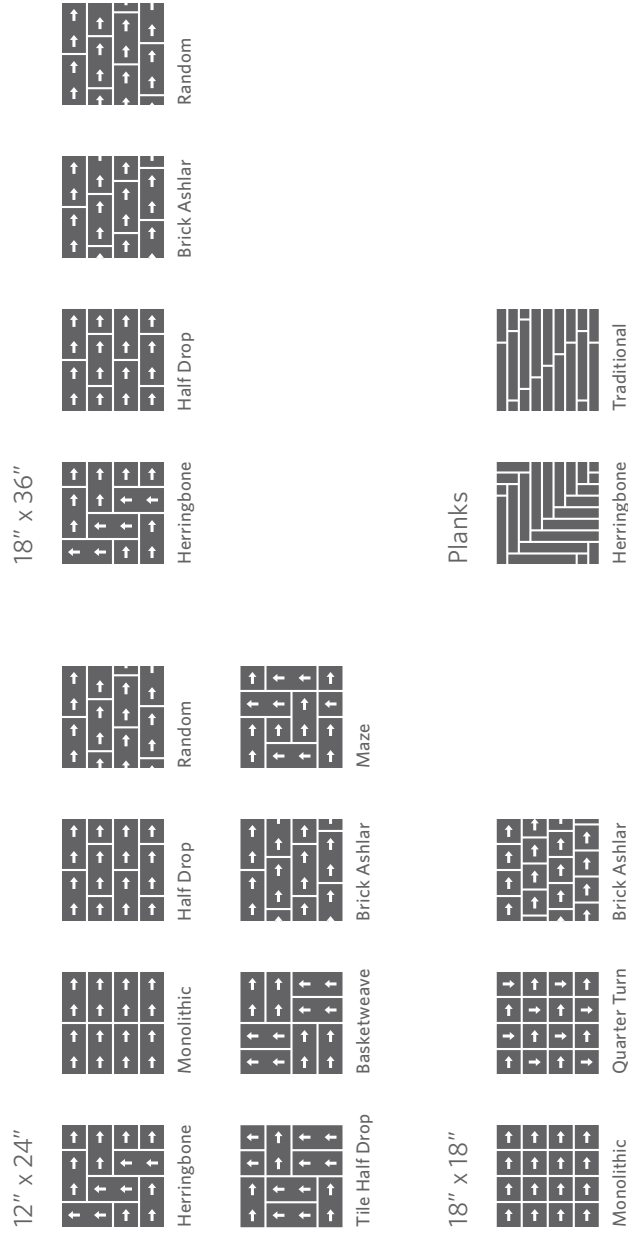


Additional Information

Shipping Information

COLLECTION	DESIGN NAME	TILE SIZE	PC./BOX	FT ² /BOX	WT./BOX
Abstract	Fibre	18" x 36"	9	40.5	33.58 lb
Abstract	Twist	18" x 18"	16	36	29.95 lb
Stone	Charlotte	18" x 18"	16	36	29.95 lb
Stone	Serpeggiante	12" x 24"	18	36	29.87 lb
Stone	Slate	18" x 18"	16	36	29.95 lb
Stone	Stone	18" x 36"	9	40.5	33.58 lb
Wood	Aged Oak	9" x 48"	12	36	29.9 lb
Wood	Applewood	5" x 48"	21	35	29.1 lb
Wood	Cherry	7" x 48"	15	35	29.1 lb
Wood	Eucalyptus Saligna	7" x 48"	15	35	29.1 lb
Wood	Fine Line	7" x 48"	15	35	29.1 lb
Wood	Fissure Oak	9" x 48"	12	36	29.9 lb
Wood	Kokutan	7" x 48"	15	35	29.1 lb
Wood	Laurel Oak	7" x 48"	15	35	29.1 lb
Wood	Oak	5" x 48"	21	35	29.1 lb
Wood	Rosecliff Cherry	7" x 48"	15	35	29.1 lb
Wood	Rosewood	7" x 48"	15	35	29.1 lb
Wood	Rustic Pine	7" x 48"	15	35	29.1 lb
Wood	Teak	7" x 48"	15	35	29.1 lb

Installation Methods



Product Specifications

Series	Contour
Classification	ASTM F 1700 Class III Type B
Total Thickness	.120" (3.0 mm)
Wear Layer Thickness	32 mil
Edge Treatment	Square Edge (SE) or Slight Bevel (SB)
Emboss	Optional
Reclamation	100% recyclable in the ReStart® Program
NSF 332 Certification	Gold
Installation Direction	Click Here for PDF
Platform Sizes	3" x 36", 4" x 36", 6" x 36", 6" x 48", 7.2" x 48", 9" x 36"
Collection	Wood
GSA	Yes

Wood



Environmental Attributes

Indoor Air Quality	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
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COMMERCIAL PRODUCT WARRANTY

20 Year Limited Wear Warranty (Event, Contour & Victory products only)

Tandus Centiva US LLC warrants Tandus Centiva LVT tiles and floor planks against wear out for a period of 20 years provided the material is properly installed and maintained and used as intended and recommended. "Wear out" is defined as a complete removal wear layer/pattern/color due to wear from normal traffic and maintenance. If wear out occurs within 20 years of the date of purchase, Tandus Centiva will repair or provide replacement material.

THIS WARRANTY DOES NOT INCLUDE THE FOLLOWING:

1. Dissatisfaction due to improper installation, maintenance or irregularities caused by sub floor irregularities including installation over existing flooring.
2. Reduction in gloss due to use.
3. Damage due to stains, burns, cuts, gouges, scuffs, scratches, indentations and other accidents and/or abuse. Certain rubber backed mats or solvent based cleaners may cause discoloration.
4. Problems or damage due to moisture (including fungus discoloration), alkali or hydrostatic pressure in sub floor (vapor emissions are higher than 6 lbs/1000 sq. ft. or 75% relative humidity within 24 hours tested in accordance to ASTM standard guidelines or having higher than 9 pH).
5. Color shade variations from samples or printed illustrations compared to actual production runs.
6. Installation of flooring over particleboard, chip wood, Luan or pressboard.
7. Installation where material was not installed with Tandus Centiva LVT recommended adhesives in accordance with Tandus Centiva specification and recommended use.
8. Installation in temperature ranges other than those in accordance with Tandus Centiva LVT guidelines.

The moisture level from the concrete should not exceed 6.0 lbs/1000 sq. ft. (CC) or 75% relative humidity in a 24 hour time period.

Manufacturing Defects

Tandus Centiva US LLC warrants that its first line quality flooring material is free from manufacturing defects (workmanship and/or material) and will replace defective floor covering and reasonable installation costs for a period of up to one (1) year from the date of purchase. Tandus Centiva will not pay labor costs to repair or replace materials that were apparent before or at the time of installation. Inspection by an authorized Tandus Centiva representative may be necessary to verify that a manufacturing defect exists, or you may be requested to submit samples to the technical laboratory for analysis. Tandus Centiva will repair defective areas for a period of up to one (1) year from date of purchase. If replacement is required in accordance with this warranty and the defective material or pattern has been discontinued or unavailable, Tandus Centiva reserves the right to select and supply similar Tandus Centiva replacement material; otherwise the same material will be supplied for replacement purposes. Tandus Centiva will also pay reasonable labor costs. If a manufacturing defect is found, Tandus Centiva should be notified promptly.

Workmanship

Tandus Centiva does not warrant installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor.

This warrant is made solely to the original purchaser of Tandus Centiva first quality flooring material and is not transferable under any circumstances. This warranty is expressly in lieu of any other expressed warranty. No representative, employee, or agent of Tandus Centiva US LLC or any other person is authorized to assume for Centiva and additional liability or responsibility in connection with Tandus Centiva's floorcovering except as described above. Implied warranties or merchantability and fitness for a particular purpose are limited to a period of one (1) year from the date of purchase. In no event shall Tandus Centiva be liable for indirect, consequential or incidental damages of any kind.

Claims under this limited warranty must be made in written form and addressed to the following:

Tandus Centiva US LLC
311 Smith Industrial Blvd
PO Box 1447
Dalton, GA 30722-1447

*Tandus Centiva US LLC reserves the right to update the standard procedures and specifications at any time.
For commercial and residential LVT maintenance instructions, please refer to the current LVT maintenance program sheets.*

COST ESTIMATE COMPARISON SPREADSHEET (UNIFORMAT)

New Peebles Elementary School - New Construction

Division #	Description	November-17				November-17				November-17				XXXX					
		Project Scope & Budget		Project Funding Agreement		Design Development		Design Development		60% CD		60% CD		100% CD		100% CD			
		GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost
A	Substructure	72,680	\$1,402,824	\$19.30	72,680	\$1,402,824	\$19.30	72,680	\$1,324,361	\$18.22	72,680	\$1,324,361	\$18.22	72,680	\$1,324,361	\$18.22	72,680	\$1,324,361	\$18.22
B	Shell	72,680	\$7,285,296	\$100.24	72,680	\$7,285,296	\$100.24	72,680	\$7,320,367	\$100.72	72,680	\$7,320,367	\$100.72	72,680	\$7,320,367	\$100.72	72,680	\$7,320,367	\$100.72
B10	Superstructure	72,680	\$2,185,854	\$30.08	72,680	\$2,185,854	\$30.08	72,680	\$1,982,378	\$27.28	72,680	\$1,982,378	\$27.28	72,680	\$1,982,378	\$27.28	72,680	\$1,982,378	\$27.28
B20	Exterior Enclosure	72,680	\$3,808,478	\$52.40	72,680	\$3,808,478	\$52.40	72,680	\$4,030,565	\$55.46	72,680	\$4,030,565	\$55.46	72,680	\$4,030,565	\$55.46	72,680	\$4,030,565	\$55.46
B2010	Exterior Walls	72,680	\$2,920,039	\$40.18	72,680	\$2,920,039	\$40.18	72,680	\$3,181,609	\$43.78	72,680	\$3,181,609	\$43.78	72,680	\$3,181,609	\$43.78	72,680	\$3,181,609	\$43.78
B2020	Exterior Windows	72,680	\$807,041	\$11.10	72,680	\$807,041	\$11.10	72,680	\$755,740	\$10.40	72,680	\$755,740	\$10.40	72,680	\$755,740	\$10.40	72,680	\$755,740	\$10.40
B2030	Exterior Doors	72,680	\$81,388	\$1.12	72,680	\$81,388	\$1.12	72,680	\$93,216	\$1.28	72,680	\$93,216	\$1.28	72,680	\$93,216	\$1.28	72,680	\$93,216	\$1.28
B30	Roofing	72,680	\$1,290,964	\$17.76	72,680	\$1,290,964	\$17.76	72,680	\$1,307,424	\$17.99	72,680	\$1,307,424	\$17.99	72,680	\$1,307,424	\$17.99	72,680	\$1,307,424	\$17.99
C	Interiors	72,680	\$3,400,359	\$46.79	72,680	\$3,400,359	\$46.79	72,680	\$4,062,845	\$55.90	72,680	\$4,062,845	\$55.90	72,680	\$4,062,845	\$55.90	72,680	\$4,062,845	\$55.90
D	Services	72,680	\$6,499,599	\$89.43	72,680	\$6,499,599	\$89.43	72,680	\$6,841,160	\$94.13	72,680	\$6,841,160	\$94.13	72,680	\$6,841,160	\$94.13	72,680	\$6,841,160	\$94.13
D10	Conveying	72,680	\$100,000	\$1.38	72,680	\$100,000	\$1.38	72,680	\$100,000	\$1.38	72,680	\$100,000	\$1.38	72,680	\$100,000	\$1.38	72,680	\$100,000	\$1.38
D20	Plumbing	72,680	\$868,831	\$11.95	72,680	\$868,831	\$11.95	72,680	\$944,894	\$13.00	72,680	\$944,894	\$13.00	72,680	\$944,894	\$13.00	72,680	\$944,894	\$13.00
D30	HVAC	72,680	\$2,769,544	\$38.11	72,680	\$2,769,544	\$38.11	72,680	\$2,902,104	\$39.93	72,680	\$2,902,104	\$39.93	72,680	\$2,902,104	\$39.93	72,680	\$2,902,104	\$39.93
D40	Fire Protection	72,680	\$265,275	\$3.65	72,680	\$265,275	\$3.65	72,680	\$335,300	\$4.61	72,680	\$335,300	\$4.61	72,680	\$335,300	\$4.61	72,680	\$335,300	\$4.61
D50	Electrical	72,680	\$2,495,949	\$34.34	72,680	\$2,495,949	\$34.34	72,680	\$2,558,862	\$35.21	72,680	\$2,558,862	\$35.21	72,680	\$2,558,862	\$35.21	72,680	\$2,558,862	\$35.21
E	Furnishings & Fixed Equipment	72,680	\$646,217	\$8.89	72,680	\$646,217	\$8.89	72,680	\$749,666	\$10.31	72,680	\$749,666	\$10.31	72,680	\$749,666	\$10.31	72,680	\$749,666	\$10.31
	Building Subtotal	72,680	\$19,234,295	\$265	72,680	\$19,234,295	\$265	72,680	\$20,298,399	\$279.28	72,680	\$20,298,399	\$279.28	72,680	\$20,298,399	\$279.28	72,680	\$20,298,399	\$279.28
F	Special Construction & Demo	72,680	\$1,129,600	\$15.54	72,680	\$1,129,600	\$15.54	72,680	\$1,129,600	\$15.54	72,680	\$1,129,600	\$15.54	72,680	\$1,129,600	\$15.54	72,680	\$1,129,600	\$15.54
G	Other Site Construction	72,680	\$3,790,300	\$52.15	72,680	\$3,790,300	\$52.15	72,680	\$4,322,505	\$59.47	72,680	\$4,322,505	\$59.47	72,680	\$4,322,505	\$59.47	72,680	\$4,322,505	\$59.47
G10	Site Preparation	72,680	\$811,307	\$11.16	72,680	\$811,307	\$11.16	72,680	\$887,050	\$12.20	72,680	\$887,050	\$12.20	72,680	\$887,050	\$12.20	72,680	\$887,050	\$12.20
G20	Site Improvements	72,680	\$1,745,604	\$24.02	72,680	\$1,745,604	\$24.02	72,680	\$1,932,455	\$26.59	72,680	\$1,932,455	\$26.59	72,680	\$1,932,455	\$26.59	72,680	\$1,932,455	\$26.59
G30	Mechanical Utilities	72,680	\$995,490	\$13.70	72,680	\$995,490	\$13.70	72,680	\$1,175,700	\$16.18	72,680	\$1,175,700	\$16.18	72,680	\$1,175,700	\$16.18	72,680	\$1,175,700	\$16.18
G40	Electrical Utilities	72,680	\$237,899	\$3.27	72,680	\$237,899	\$3.27	72,680	\$327,500	\$4.50	72,680	\$327,500	\$4.50	72,680	\$327,500	\$4.50	72,680	\$327,500	\$4.50
	Subtotal	72,680	\$24,154,195	\$332	72,680	\$24,154,195	\$332	72,680	\$25,750,504	\$354.30	72,680	\$25,750,504	\$354.30	72,680	\$25,750,504	\$354.30	72,680	\$25,750,504	\$354.30
Z	Mark-Ups	72,680	\$5,714,961	\$78.48	72,680	\$5,714,961	\$78.48	72,680	\$4,581,067	\$63.17	72,680	\$4,581,067	\$63.17	72,680	\$4,581,067	\$63.17	72,680	\$4,581,067	\$63.17
Z	Insurance	72,680	\$318,283	\$4.38	72,680	\$318,283	\$4.38	72,680	\$318,283	\$4.38	72,680	\$318,283	\$4.38	72,680	\$318,283	\$4.38	72,680	\$318,283	\$4.38
Z	GC Bonds	72,680	\$345,961	\$4.75	72,680	\$345,961	\$4.75	72,680	\$345,961	\$4.75	72,680	\$345,961	\$4.75	72,680	\$345,961	\$4.75	72,680	\$345,961	\$4.75
Z	Design & Pricing Contingency	72,680	\$2,421,419	\$33.31	72,680	\$2,421,419	\$33.31	72,680	\$1,287,525	\$17.71	72,680	\$1,287,525	\$17.71	72,680	\$1,287,525	\$17.71	72,680	\$1,287,525	\$17.71
Z	General Conditions	72,680	\$1,937,378	\$26.65	72,680	\$1,937,378	\$26.65	72,680	\$1,937,378	\$26.65	72,680	\$1,937,378	\$26.65	72,680	\$1,937,378	\$26.65	72,680	\$1,937,378	\$26.65
Z	GC Overhead and Profit	72,680	\$691,920	\$9.51	72,680	\$691,920	\$9.51	72,680	\$691,920	\$9.51	72,680	\$691,920	\$9.51	72,680	\$691,920	\$9.51	72,680	\$691,920	\$9.51
	Construction Subtotal	72,680	\$29,869,156	\$411	72,680	\$29,869,156	\$411	72,680	\$30,331,571	\$417.33	72,680	\$30,331,571	\$417.33	72,680	\$30,331,571	\$417.33	72,680	\$30,331,571	\$417.33
Z	Escalation to Construction Mid-Point	72,680	\$1,041,210	\$14.32	72,680	\$1,041,210	\$14.32	72,680	\$515,010	\$7.08	72,680	\$515,010	\$7.08	72,680	\$515,010	\$7.08	72,680	\$515,010	\$7.08
	Total Addition Cost	72,680	\$30,910,366	\$425	72,680	\$30,910,366	\$425	72,680	\$30,846,581	\$424	72,680	\$30,846,581	\$424	72,680	\$30,846,581	\$424	72,680	\$30,846,581	\$424
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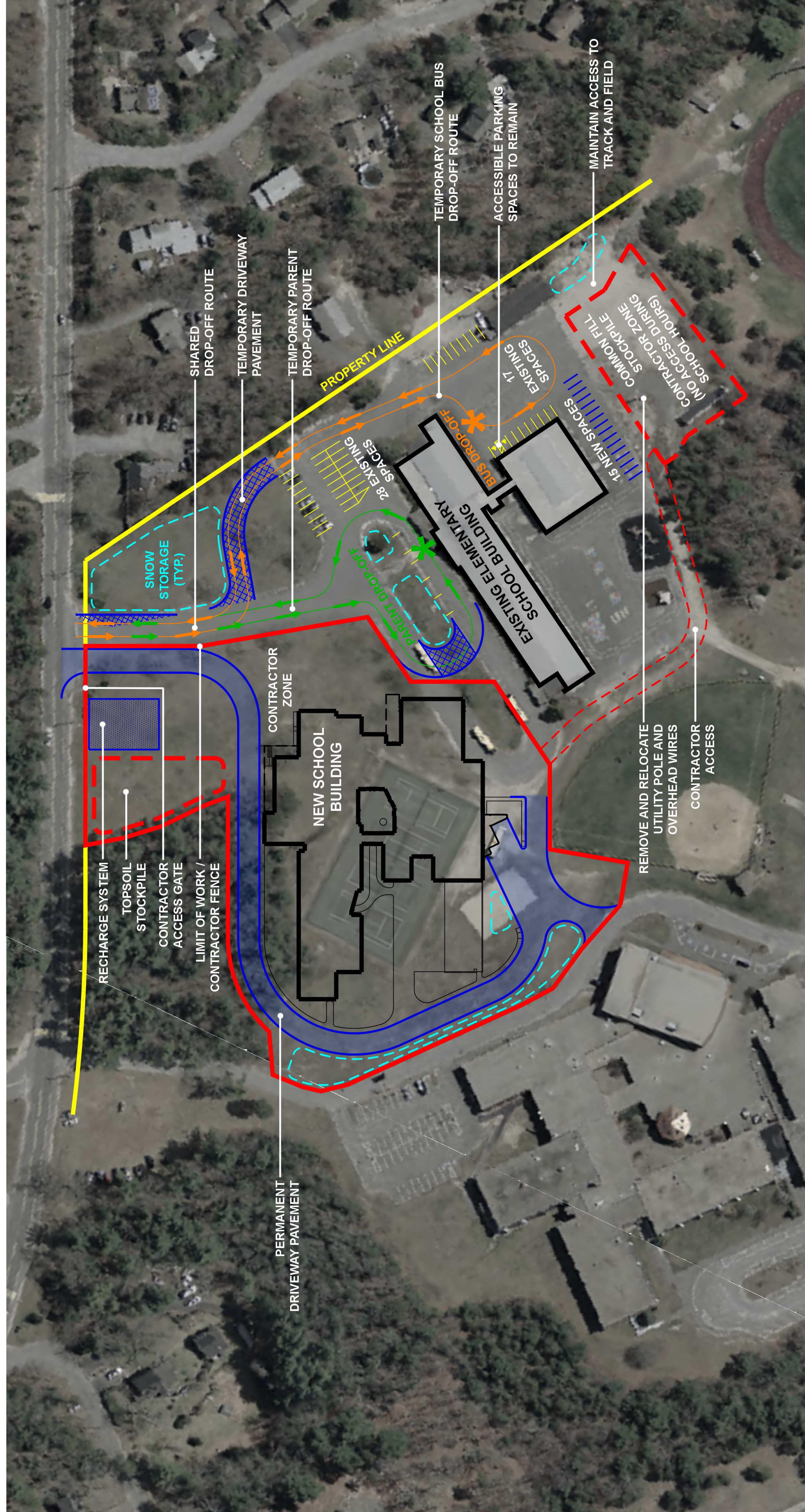
Ineligible Work in Base Project and Total Project Budget									
1									
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NOTES:
 1 Project Scope & Budget costs are based on 2016 dollars.
 2 Design Development costs are based on 2017 dollars.

**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

February 22, 2017

DATE	AGENDA
60% Construction Documents Phase	
March 16, 2017	BUILDING COMMITTEE MEETING Review Overall Construction Document Phase Schedule Review 60% Construction Document Schedule Review Educational Leadership Meetings Schedule Review Design Changes per Design Development Value Engineering Review Updated Floor Plans and Site Plans Site Permitting Update
March 30, 2017	BUILDING COMMITTEE MEETING Review Updated Floor Plans and Site Plans Review Updated Exterior Elevations Review MSBA Design Development Submission Comments Review Meeting Actions Log
April 13, 2017	BUILDING COMMITTEE MEETING Review Updated Interior Elevations and Materials Review MEP Systems Review Technology Systems
April 27, 2017	BUILDING COMMITTEE MEETING Decide Final Interior Finish Materials Decide Final Exterior Materials Review Final Floor Plans, Site Plans and Elevations Review LEED Scorecard Site Permitting Update Decide Prequalification Subcommittee
May 11, 2017	BUILDING COMMITTEE MEETING Review Preliminary Cost Estimate Review Preliminary List of Value Engineering Items
May 25, 2017	BUILDING COMMITTEE MEETING Review Prequalification Status Review Reconciled 60% Construction Documents Cost Estimate Decide Value Engineering Items Vote to Submit 60% Construction Documents Package to MSBA
June 6, 2017	SUBMIT 60% CONSTRUCTION DOCUMENTS PACKAGE TO MSBA
	ADDITIONAL MEETINGS TO BE SCHEDULED



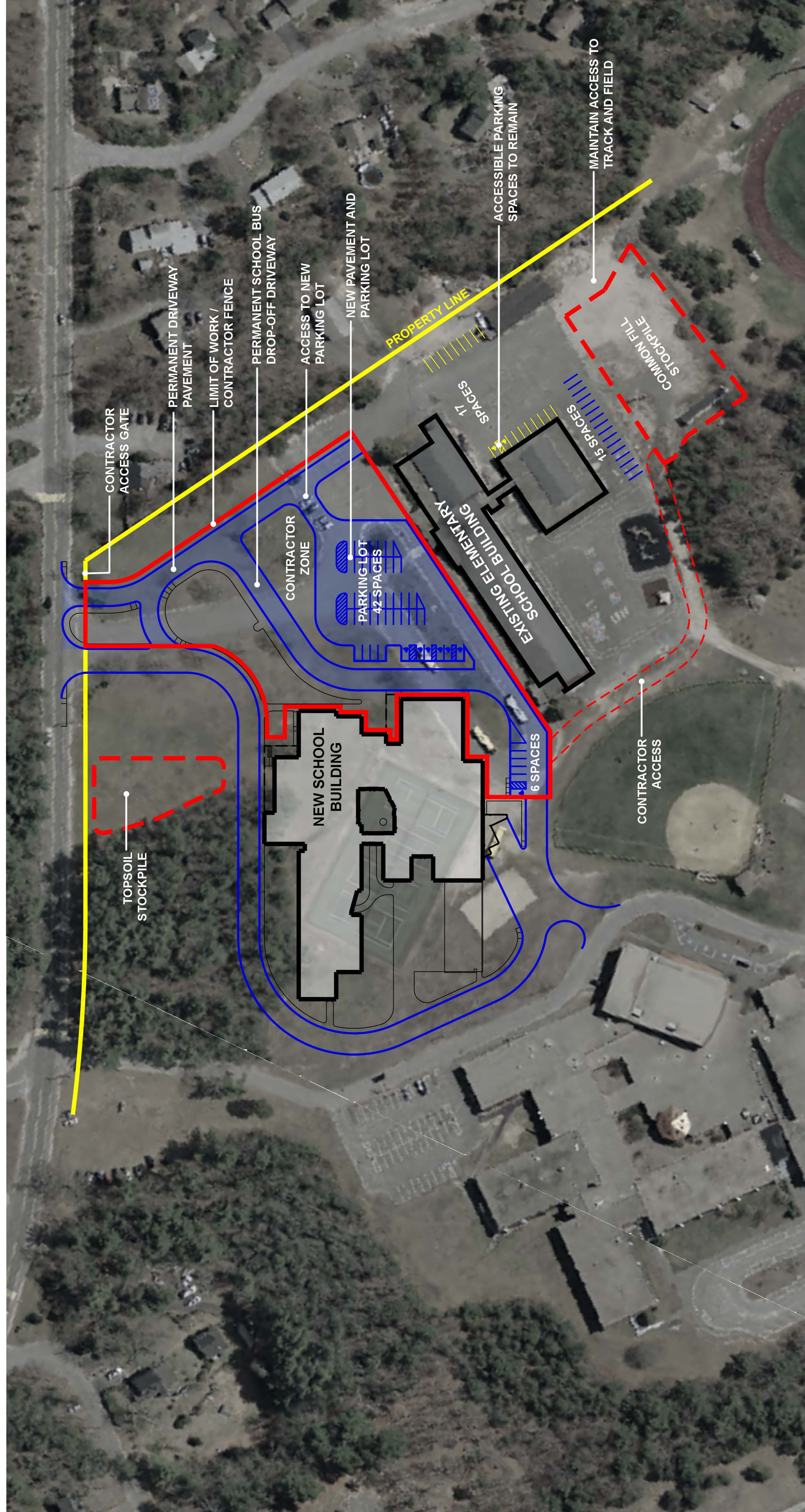
PHASE 1

December 2017 through June 2019



James F. Peebles Elementary School
 Bourne, Massachusetts

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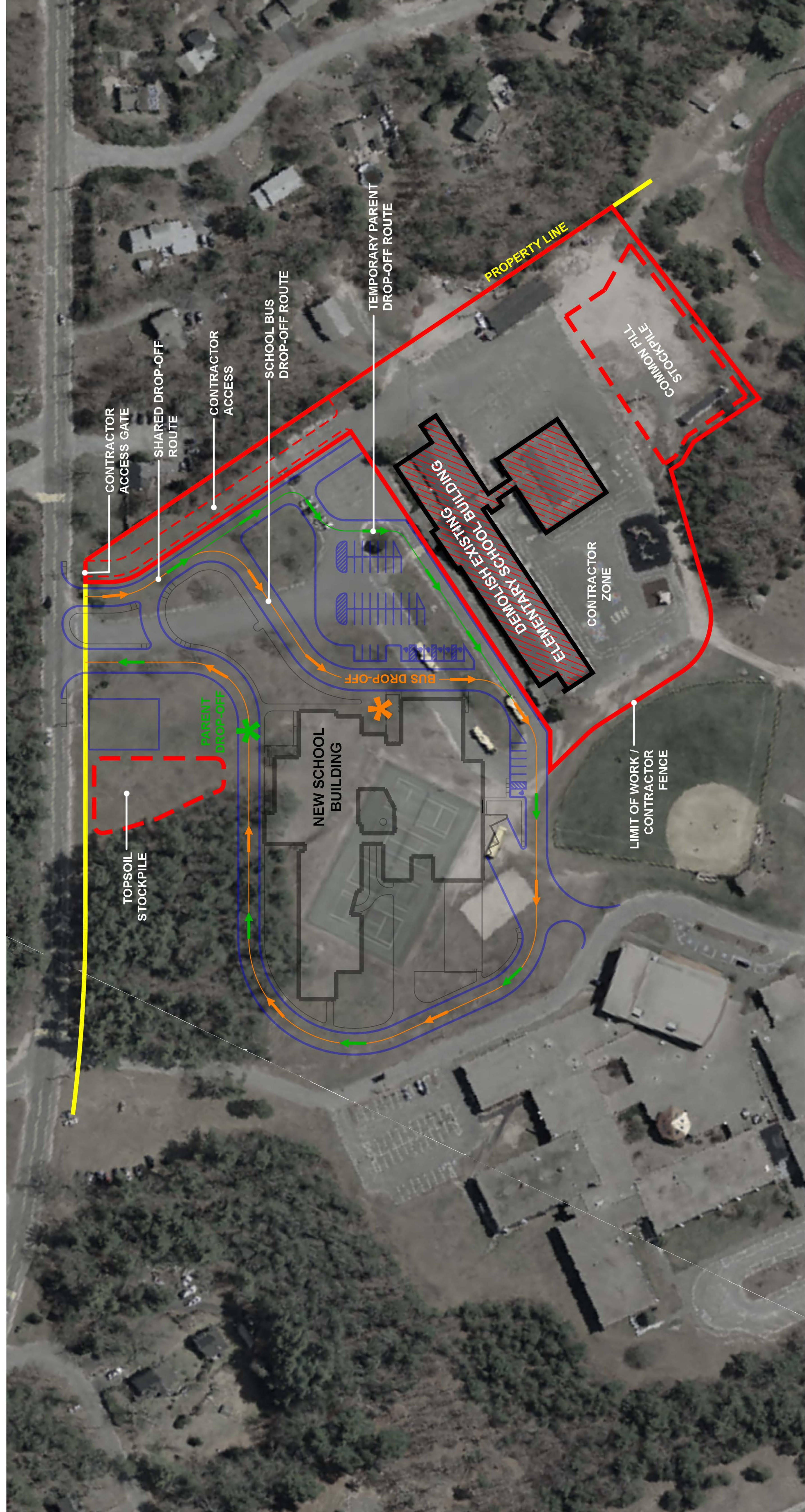


PHASE 2

June 2019 through August 2019

James F. Peebles Elementary School
 Bourne, Massachusetts

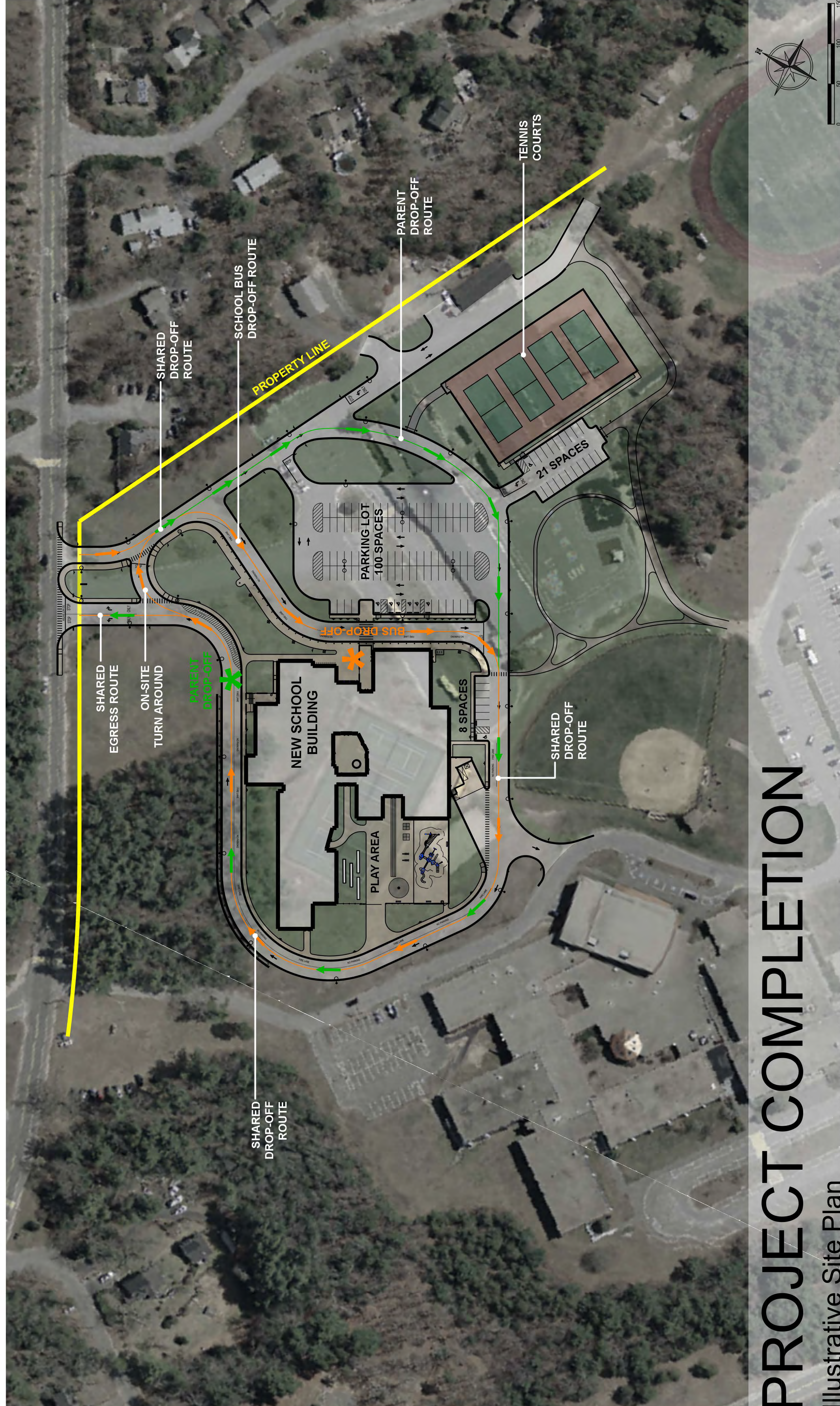
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PHASE 3

August 2019 through November 2019

James F. Peebles Elementary School
 Bourne, Massachusetts



PROJECT COMPLETION

Illustrative Site Plan

James F. Peebles Elementary School
Bourne, Massachusetts

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