

Brunswick New Elementary School

December 14, 2017

Building Committee Meeting

Agenda

Approval of Minutes of November 16th Building Committee Meeting

Review of Scheduled Activities

Update on Site Plans

- Outdoor art Classroom
- DEP submission
- Planning board Submission

Public Comment

Update on user meetings

- Teacher meeting discussions
 - Toilet fixtures
- Cafeteria/ Kitchen meeting

Update on Building Exteriors

- Night entry/ library courtyard facades

Mechanical Systems options

- Geothermal
 - Test well results
- Air Source heat pumps

Subcommittee/ working group discussion

- Playground committee kick-off

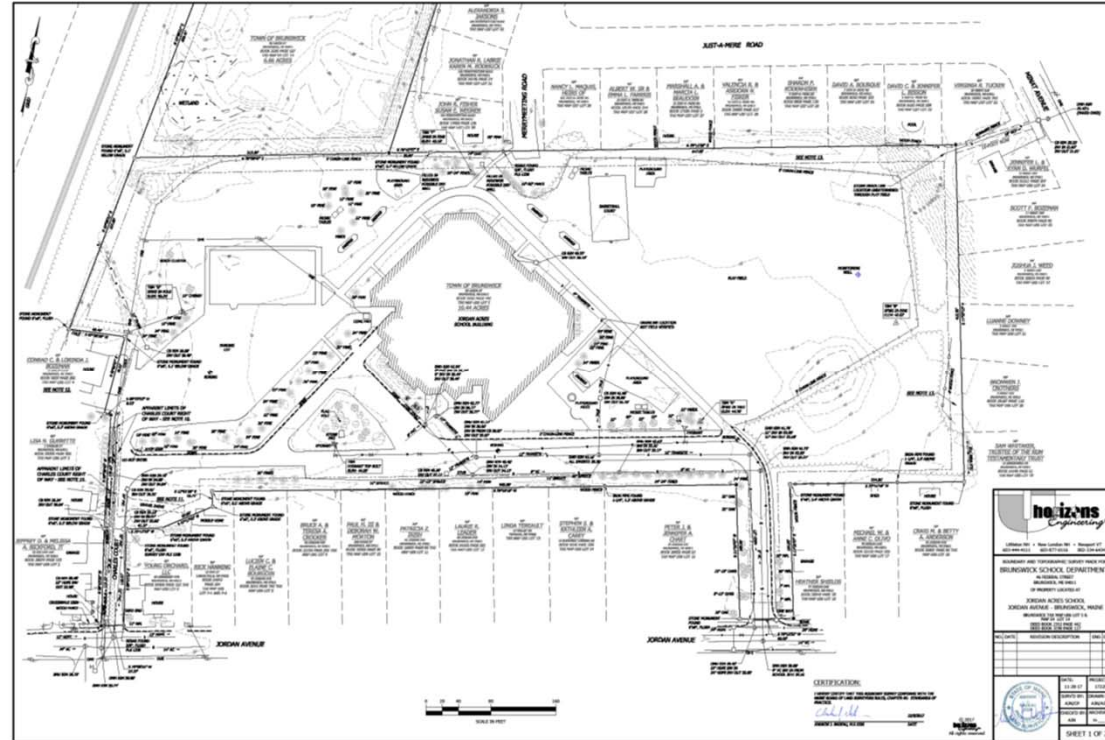
New Business Items and General Discussion

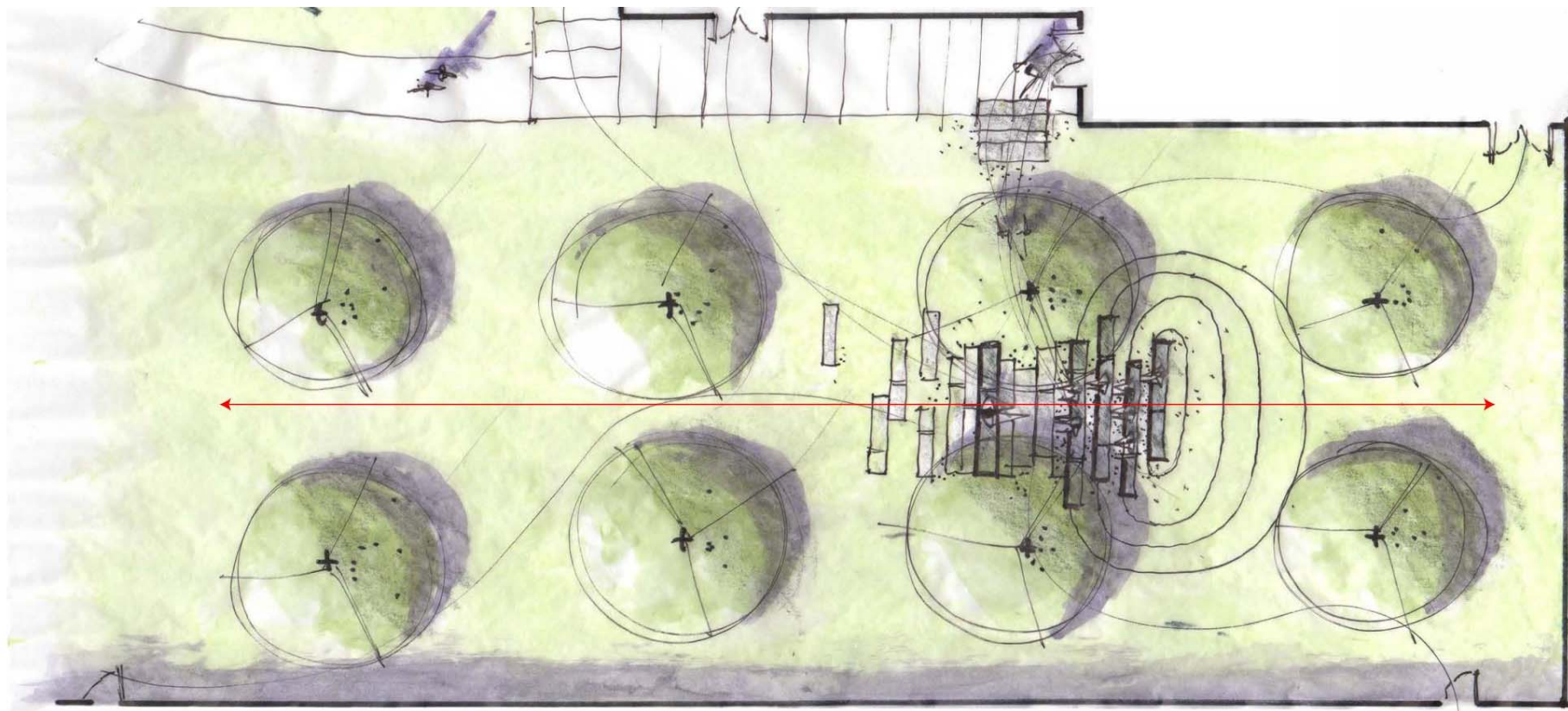
Next Building Committee Meeting:

- Thursday, January 11th, 2018

Review of Site Activities

- Site Survey
- Materials testing





LIBRARY/CAFETERIA COURTYARD PLAN

10 January 2018

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JOSHUA TOMPKINS
LANDSCAPE ARCHITECTURE



Brunswick Elementary School

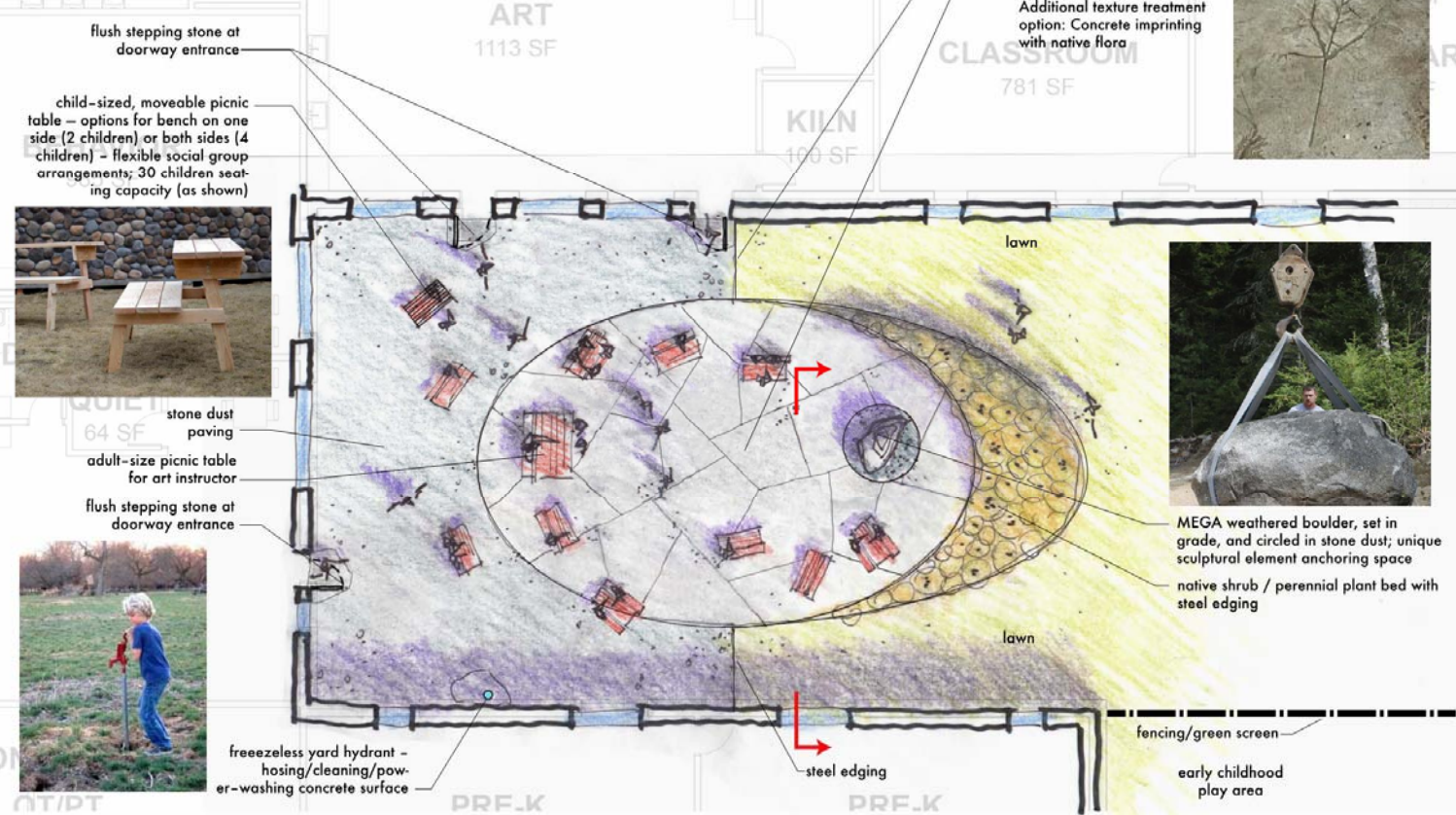
Plan — Outdoor Art Classroom

Option 1: Enclosed on **three** sides

Scale 1/8" = 1'-0"

Joshua Tompkins Landscape Architecture / PDT Architects / Atlantic Resource Consultants

December 8, 2017



ART COURTYARD PLAN

10 January 2018

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JOSHUA TOMPKINS
LANDSCAPE ARCHITECTURE



Brunswick Elementary School

Elevation — Outdoor Art Classroom

Option 1: Enclosed on **three** sides

Scale 1/2" = 1'-0"

Joshua Tompkins Landscape Architecture / PDT Architects / Atlantic Resource Consultants

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ART COURTYARD SECTION

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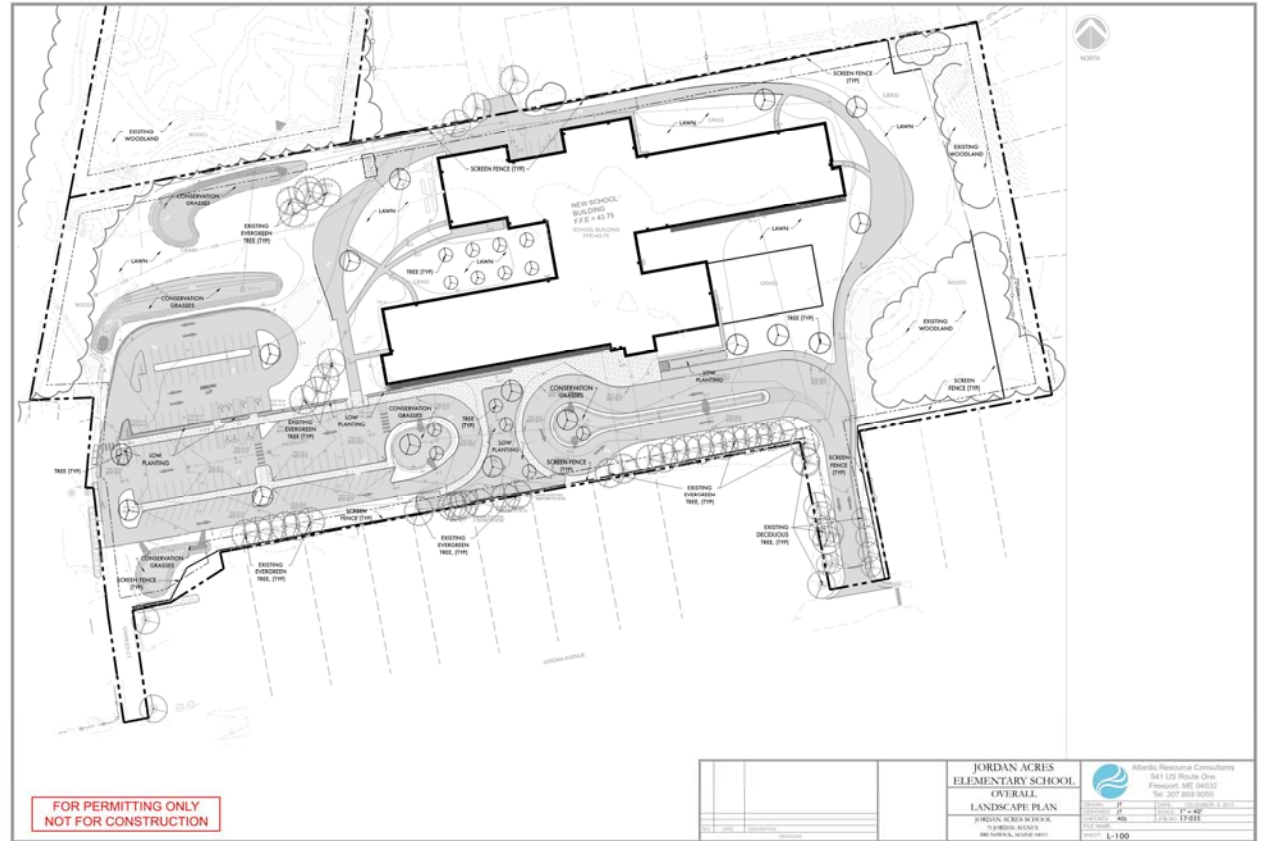
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JOSHUA TOMPKINS
LANDSCAPE ARCHITECTURE



SITE PERMITS

- DEP Permit: submitted 11/22/17
- Planning board sketch plans:
submitted 12/12/17



Public comment

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OVERALL PLAN – LEVEL 2

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View at main entry

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View from parent drop-off

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View of library/ cafeteria courtyard

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View of library/ cafeteria courtyard

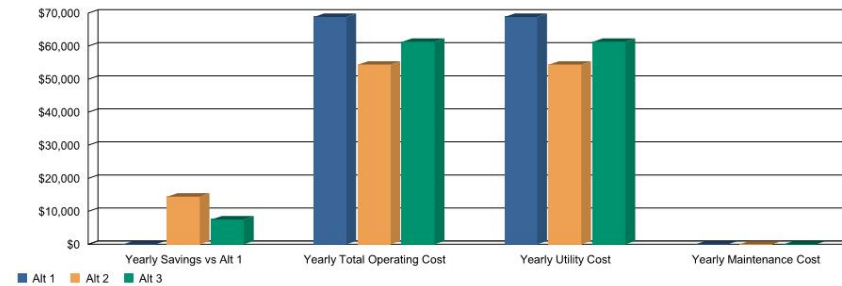
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Economic Comparison of Alternatives

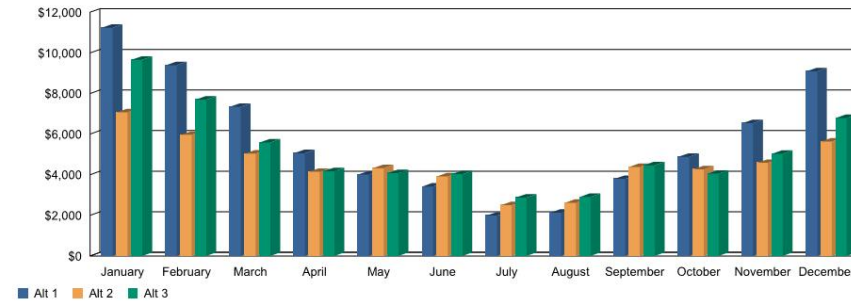
	Yearly Savings (\$)	First Cost Difference (\$)	Cumulative Cash Flow Difference (\$)	Simple Payback (yrs.)	Net Present Value (\$)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost Difference
Alt 1 vs Alt 2	-14,441	0	-388,046	No Payback	-150,919	No Payback	Does Not Payback	-150,919.40
Alt 1 vs Alt 3	-7,525	0	-202,169	No Payback	-78,636	No Payback	Does Not Payback	-78,635.56
Alt 3 vs Alt 2	-6,917	0	-185,857	No Payback	-72,284	No Payback	Does Not Payback	-72,283.80

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost (\$)	Yearly Utility Cost (\$)	Yearly Maintenance Cost (\$)	Plant kWh/ton-hr
Alt 1	0	68,855	68,855	0	1,661.910
Alt 2	14,441	54,414	54,414	0	0.303
Alt 3	7,525	61,330	61,330	0	0.697

Monthly Utility Costs



Mechanical Systems

- Geothermal
 - Test well results
- Air source heat pumps

Subcommittees / working Groups

- Playground committee kick-off

New Business Items

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THANK YOU