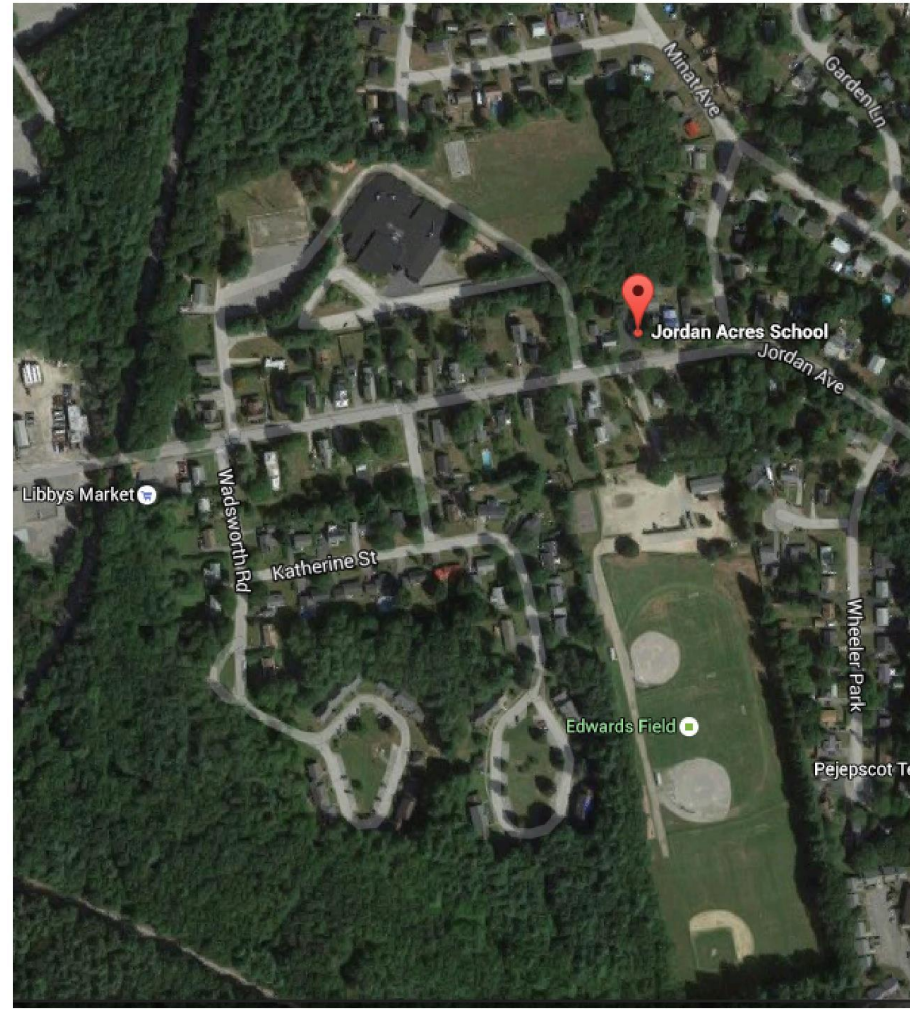
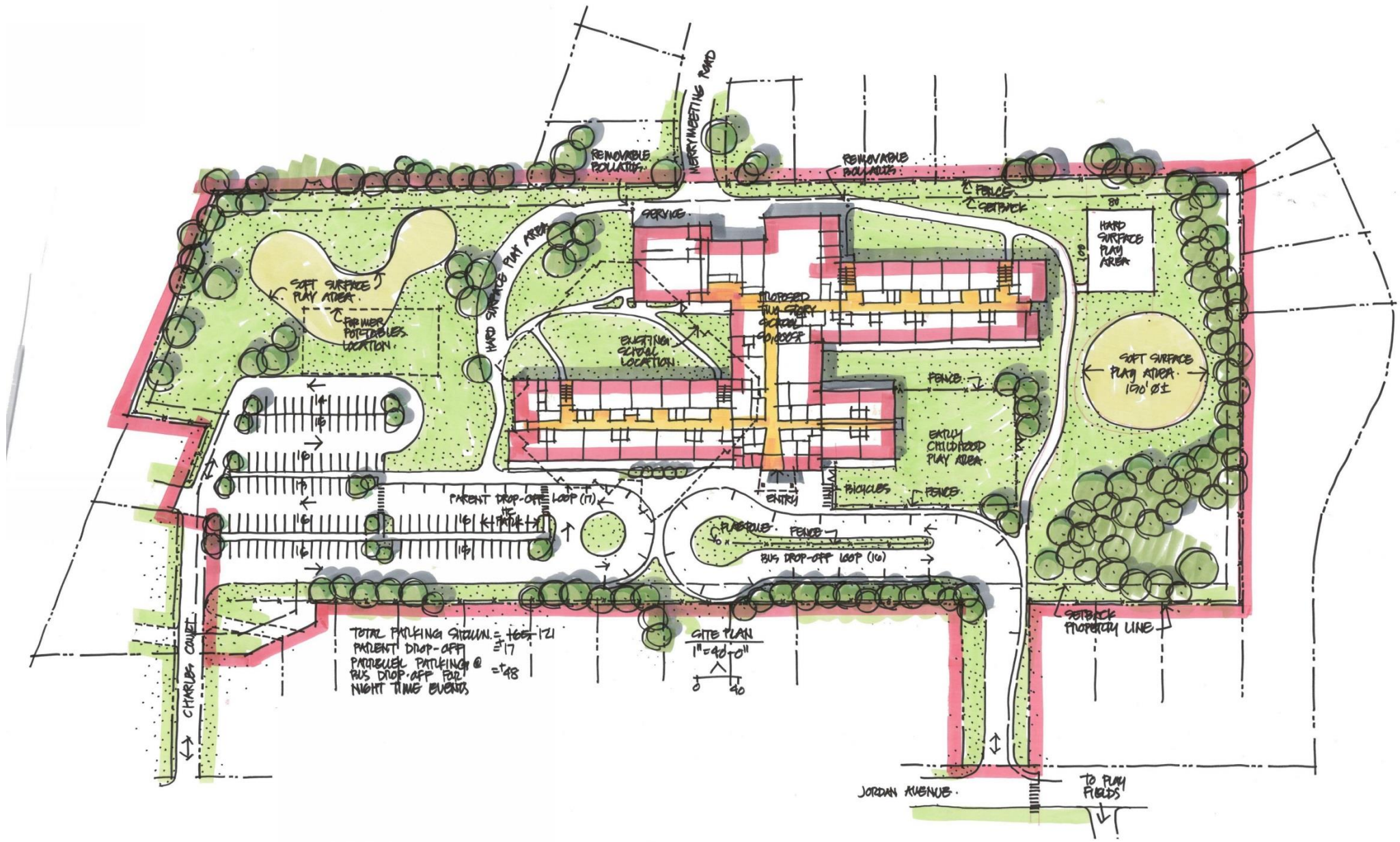




Brunswick PK-2

19 October 2016







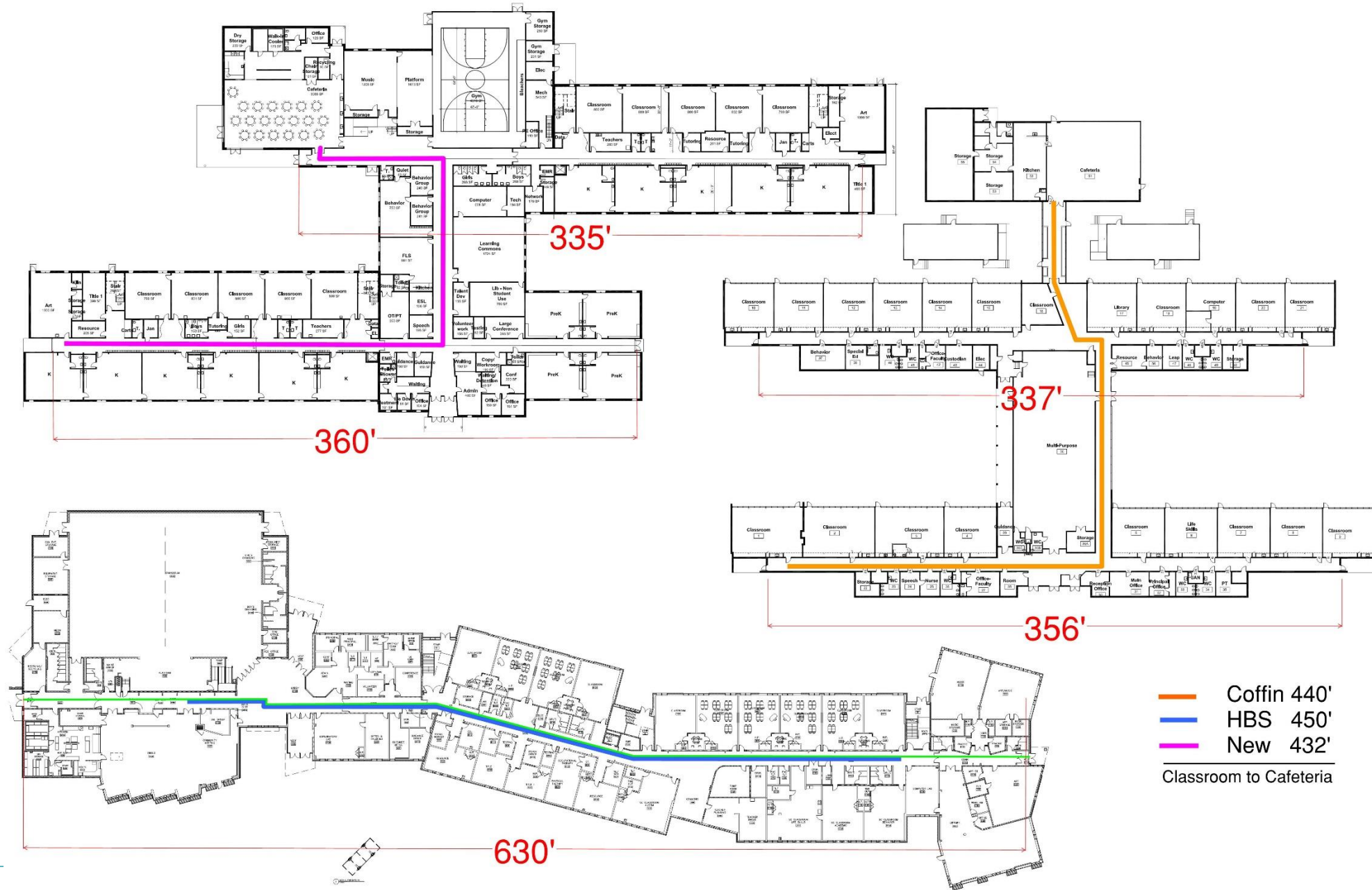


1 LEVEL 1 - Presentation
1/8" = 1'-0"





1 LEVEL 2
1/8" = 1'-0"



- Coffin 440'
 - HBS 450'
 - New 432'
- Classroom to Cafeteria



kimindim@PDT. 2016 JA



KUNIMOHAN@PDT. 2016 JA















LEED v4 for BD+C: Schools
Project Checklist

**Preliminary
Draft**

Project Name: Brunswick PK-2 / Primary School
Date: 28 Jul 16



Y ? N

| | | | | | |
|---|---|---|--------|---------------------|---|
| Y | ? | N | Credit | Integrative Process | 1 |
|---|---|---|--------|---------------------|---|

0 8 22 Location and Transportation 15

| | | | | | |
|---|---|---|--------|--|----|
| Y | ? | N | Credit | LEED for Neighborhood Development Location | 15 |
| Y | ? | N | Credit | Sensitive Land Protection | 1 |
| Y | ? | N | Credit | High Priority Site | 2 |
| Y | ? | N | Credit | Surrounding Density and Diverse Uses | 5 |
| Y | ? | N | Credit | Access to Quality Transit | 4 |
| Y | ? | N | Credit | Bicycle Facilities | 1 |
| Y | ? | N | Credit | Reduced Parking Footprint | 1 |
| Y | ? | N | Credit | Green Vehicles | 1 |

3 7 2 Sustainable Sites 12

| | | | | | |
|---|---|---|--------|---|----------|
| Y | ? | N | Prereq | Construction Activity Pollution Prevention | Required |
| Y | ? | N | Prereq | Environmental Site Assessment | Required |
| Y | ? | N | Credit | Site Assessment | 1 |
| Y | ? | N | Credit | Site Development - Protect or Restore Habitat | 2 |
| Y | ? | N | Credit | Open Space | 1 |
| Y | ? | N | Credit | Rainwater Management | 3 |
| Y | ? | N | Credit | Heat Island Reduction | 2 |
| Y | ? | N | Credit | Light Pollution Reduction | 1 |
| Y | ? | N | Credit | Site Master Plan | 1 |
| Y | ? | N | Credit | Joint Use of Facilities | 1 |

3 1 2 Water Efficiency 12

| | | | | | |
|---|---|---|--------|-------------------------------|----------|
| Y | ? | N | Prereq | Outdoor Water Use Reduction | Required |
| Y | ? | N | Prereq | Indoor Water Use Reduction | Required |
| Y | ? | N | Prereq | Building-Level Water Metering | Required |
| Y | ? | N | Credit | Outdoor Water Use Reduction | 2 |
| Y | ? | N | Credit | Indoor Water Use Reduction | 7 |
| Y | ? | N | Credit | Cooling Tower Water Use | 2 |
| Y | ? | N | Credit | Water Metering | 1 |

15 4 4 Energy and Atmosphere 31

| | | | | | |
|---|---|---|--------|--|----------|
| Y | ? | N | Prereq | Fundamental Commissioning and Verification | Required |
| Y | ? | N | Prereq | Minimum Energy Performance | Required |
| Y | ? | N | Prereq | Building-Level Energy Metering | Required |
| Y | ? | N | Prereq | Fundamental Refrigerant Management | Required |
| Y | ? | N | Credit | Enhanced Commissioning | 6 |
| Y | ? | N | Credit | Optimize Energy Performance | 16 |
| Y | ? | N | Credit | Advanced Energy Metering | 1 |
| Y | ? | N | Credit | Demand Response | 2 |
| Y | ? | N | Credit | Renewable Energy Production | 3 |
| Y | ? | N | Credit | Enhanced Refrigerant Management | 1 |
| Y | ? | N | Credit | Green Power and Carbon Offsets | 2 |

4 6 0 Materials and Resources 13

| | | | | | |
|---|---|---|--------|---|----------|
| Y | ? | N | Prereq | Storage and Collection of Recyclables | Required |
| Y | ? | N | Prereq | Construction and Demolition Waste Management Planning | Required |
| Y | ? | N | Credit | Building Life-Cycle Impact Reduction | 5 |
| Y | ? | N | Credit | Building Product Disclosure and Optimization - Environmental Product Declarations | 2 |
| Y | ? | N | Credit | Building Product Disclosure and Optimization - Sourcing of Raw Materials | 2 |
| Y | ? | N | Credit | Building Product Disclosure and Optimization - Material Ingredients | 2 |
| Y | ? | N | Credit | Construction and Demolition Waste Management | 2 |

7 4 0 Indoor Environmental Quality 16

| | | | | | |
|---|---|---|--------|---|----------|
| Y | ? | N | Prereq | Minimum Indoor Air Quality Performance | Required |
| Y | ? | N | Prereq | Environmental Tobacco Smoke Control | Required |
| Y | ? | N | Prereq | Minimum Acoustic Performance | Required |
| Y | ? | N | Credit | Enhanced Indoor Air Quality Strategies | 2 |
| Y | ? | N | Credit | Low-Emitting Materials | 3 |
| Y | ? | N | Credit | Construction Indoor Air Quality Management Plan | 1 |
| Y | ? | N | Credit | Indoor Air Quality Assessment | 2 |
| Y | ? | N | Credit | Thermal Comfort | 1 |
| Y | ? | N | Credit | Interior Lighting | 2 |
| Y | ? | N | Credit | Daylight | 3 |
| Y | ? | N | Credit | Quality Views | 1 |
| Y | ? | N | Credit | Acoustic Performance | 1 |

1 0 0 Innovation 6

| | | | | | |
|---|---|---|--------|------------------------------|---|
| Y | ? | N | Credit | Innovation | 5 |
| Y | ? | N | Credit | LEED Accredited Professional | 1 |

0 0 0 Regional Priority 4

| | | | | | |
|---|---|---|--------|------------------------------------|---|
| Y | ? | N | Credit | Regional Priority: Specific Credit | 1 |
| Y | ? | N | Credit | Regional Priority: Specific Credit | 1 |
| Y | ? | N | Credit | Regional Priority: Specific Credit | 1 |
| Y | ? | N | Credit | Regional Priority: Specific Credit | 1 |

33 30 31 TOTALS Possible Points: 110

Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110



New Elementary School 660 Students

Brunswick School Department

Grades PK-2 660 Students

Spring 2018 Construction Date

Jordan Acres Location

2 House Scheme with reduced program by BSB June 2016

| | | | | | |
|--|--------------|----------------|------------|---------------------|---------------------|
| Item 1: Construction | | | | | |
| 1.1 New Construction | | 89115 sf | \$210.05 | \$18,718,960 | |
| 1.2 Demolition | 54718 | \$ 8.43 | | \$461,273 | |
| 1.3 Haz-Mat Abatement | | | | \$109,436 | |
| 1.4 Site Development- | | | | \$1,647,150 | |
| 1.5 Off-Site Improvements | | | | \$100,000 | |
| 1.6 Alternate Energy Investments Geothermal | | | \$ 700,000 | \$700,000 | |
| 1.7 Playgrounds (\$160/stud.) | | | \$ 105,600 | \$105,600 | |
| 1.8 Inflation to Feb. 2018 2.5 % (3.75 annual) | | \$ 0.02500 | | \$ 543,420 | |
| Subtotal | | | | \$22,385,839 | \$22,385,839 |
| Item 2: Admin. Costs and Reserves | | | | | |
| 2.1 Site Purchase | | | | \$0 | |
| 2.2 Furnishings & Moveable Equipment 4% | (of line1.1) | \$682,245 | \$748,758 | \$682,245 | |
| 2.3 Technology 3% | | | | \$561,569 | |
| 2.4 Advertising, Insurance, Legal, Printing | | | | \$40,000 | |
| 2.5 Contingency (10% of Item 1) | | | | \$2,238,584 | |
| 2.6 % for Art | | | | \$0 | |
| Subtotal | | | | \$3,522,398 | \$3,522,398 |
| Item 3: Fees and Services | | | | | |
| Basic Services | | | | | |
| 3.1 Architect New (Item 1 x State of ME Fee) | | \$22,385,839 @ | 6.8 % | \$1,522,237 | |
| 3.3 Reimbursables & Permits | | | | \$60,000 | |
| Special Services | | | | | |
| 3.3 Environmental Permitting | | | | \$50,000 | |
| 3.4 Survey, Soils and Wetlands | | | | \$50,000 | |
| 3.5 Construction Testing | | | | \$60,000 | |
| 3.6 Special Inspections | | | | \$10,000 | |
| 3.7 Clerk | | | | \$160,000 | |
| 3.8 Commissioning | | | | \$50,000 | |
| 3.9 Owner's Representative | | | | \$50,000 | |
| | | | | \$0 | |
| Subtotal | | | | \$2,012,237 | \$2,012,237 |
| Total Project Cost | | | | | \$27,920,474 |

Stand Alone Repair Project

Brunswick School Dep



Brunswick Junior High School 1959

Grades 6-8

600 Students 98,834 sf

(165 sf/stud.)

| | | | |
|--|---------------|--------------------|--------------------|
| Item 1: Construction | | | |
| 1.1 Repairs @ Coffin | | \$0 | |
| 1.2 Repairs @ Junior High | | \$4,630,214 | |
| 1.3 New 12 classroom modular | | \$0 | |
| Subtotal | | \$4,630,214 | \$4,630,214 |
| Item 2: Admin. Costs and Reserves | | | |
| 2.1 Site Purchase | | \$0 | |
| 2.2 Furnishings & Moveable Equipment 6% | | \$0 | |
| 2.3 Technology 3% | | \$0 | |
| 2.4 Advertising, Insurance, Legal, Printing | | \$10,000 | |
| 2.5 Contingency (5 % of Item 1) | | \$231,511 | |
| 2.6 % for Art | | \$0 | |
| Subtotal | | \$241,511 | \$241,511 |
| Item 3: Fees and Services | | | |
| Basic Services | | | |
| 3.1 Architect New (Item 1 x State of ME Fee) | \$4,630,214 @ | 10.0 % | \$463,021 |
| 3.2 Architect Reno(Allocatted Reno 1.2 above) | | | \$0 |
| 3.3 Reimbursables & Permits | | | \$30,000 |
| Special Services | | | |
| 3.4 Environmental Permitting | | | \$20,000 |
| 3.5 Survey, Soils and Wetlands | | | \$0 |
| 3.6 Construction Testing | | | \$40,000 |
| 3.7 Special Inspections | | | \$20,000 |
| 3.8 Clerk | | | \$75,000 |
| 3.9 Commissioning | | | \$25,000 |
| 3.10 Owner's Representative | | | \$0 |
| | | | \$0 |
| Subtotal | | \$673,021 | \$673,021 |
| Total Project Cost | | | \$5,544,746 |
| | 2017 | 3 % escalation | \$5,711,088 |

