NORTHEAST AREA
ELEMENTARY SCHOOL - II
RIDGE ROAD SITE

PRELIMINARY DESIGN PRESENTATION

The Board of Education of Baltimore County
Ms. Verletta White, Interim Superintendent

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
AGENDA

• General Information
• Project Goals
• Project Value Engineering Measures
• Project Location
• Site Conditions
• Building Organization
• Renderings and 3D Animations
• Project Schedule Overview
• Questions
REGIONAL MAP

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
GENERAL INFORMATION

• Northeast Area Elementary School
  • New school building on an undeveloped site
  • Redevelopment of GWWO/BCPS Elementary School prototype
    • Site adaptations
    • Education Specification revisions

• Enrollment Information
  • Target SRC 735

• Regional Programs
  • None
PROJECT GOALS

• **Support 21st Century Learning Techniques**
  • Create collaborative expanded learning spaces
    • Shared breakout learning space between classrooms
    • Large group learning spaces away from the classroom
    • Outdoor classroom spaces
    • Centralized multi-functional Learning Commons
    • Flexible learning spaces (maker space and digital learning)
  • Utilize State-of-the-Art technology

• **Implement Sustainable Design Strategies**
  • Achieve LEED Silver™ rating (Leadership in Energy and Environmental Design) from the United States Green Building Council (USGBC)
  • Maximize energy efficiency
    • Building envelope with high thermal resistance
  • Vegetated (green) roof design that also supports 21st Century Learning
PROJECT GOALS

• Promote Safety and Security Objectives
  • Card reader and security camera system
  • Locked Entry Vestibule for building access
  • Building lighting and landscaping designs maximize visibility/security
  • Separate bus traffic from other vehicular traffic
  • Community spaces secured from educational spaces

• Unique Design Features
  • Compact footprint and spatial arrangement maximizes daylight and views
  • Efficient building circulation
  • Separate drop-off entries for buses and cars share Main Entry Lobby
  • Building configuration provides ultimate flexibility
    • Standardized Classrooms
    • Extended Learning Areas
    • Multiple Collaborative Learning Spaces throughout
PROJECT VALUE ENGINEERING MEASURES

• **Civil/Site/Structural**
  • Conduct more intensive geotechnical investigations
  • Classify the site soils
  • Building adapts to site conditions (as opposed to site adapting to building)
    • Limit quantity of earth disturbance
  • Mostly structural steel frame
    • Time-saving benefit during Construction

• **Architectural**
  • Improve building efficiency
  • Simplification of building footprint
  • Limit use of concrete masonry unit partitions
  • Exterior metal stud walls
  • Standardize spaces
  • Standardize window and door openings

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
VICINITY MAP
Baltimore County Public Elementary/Middle Schools

Fullerton Elementary School
Elmwood Elementary School
McCormick Elementary School
Golden Ring Middle School

New Northeast Area Middle School Site
Shady Spring Elementary School

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
NEIGHBORHOOD MAP
DEVELOPED SITE PLAN – SITE CIRCULATION

Ridge Road
Gum Spring Road
Main Entry Drive
Main Parking Lot
Drop-Off Loop
Specimen Trees

Paths of Travel
School Entry

© 2017 Google (aerial photography)

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
NEIGHBORHOOD MAP
DEVELOPED SITE PLAN – SITE CIRCULATION

Ridge Road
Gum Spring Road
Main Entry Drive
Bus Loop
Rossville Boulevard

© 2017 Google (aerial photography)

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
PROTOTYPE EVOLUTION
BERKSHIRE ELEMENTARY  NORTHEAST AREA @ RIDGE ROAD ELEMENTARY SCHOOLS

Berkshire Elementary School
(Lower Level)
NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
PROTOTYPE EVOLUTION
BERKSHIRE ELEMENTARY ➔ NORTHEAST AREA @ RIDGE ROAD ELEMENTARY SCHOOLS

Northeast Area Elementary School (Ridge Road Site)
(Lower Level)
NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
BUILDING SECURITY

Single point of Supervision

Entry Vestibule & Lobby

Bus Loop Entry

Main Entry

Locking Security Door

Visual Supervision of Front Entry

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
LEARNING SPACE RENDERINGS

Main Stair Collaborative Learning Space
Shades/Screen Up – View to Campus

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
LEARNING SPACE RENDERINGS

Typical Classroom

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
LEARNING SPACE RENDERINGS

Classroom Wing Collaborative Learning Space
Upper Level

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
LEARNING SPACE RENDERINGS

Rooftop Classroom

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018
<table>
<thead>
<tr>
<th>Phase/Activity</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Start</td>
<td>September 2017</td>
</tr>
<tr>
<td>Contract Award</td>
<td>January 2019</td>
</tr>
<tr>
<td>Notice To Proceed</td>
<td>February 2019</td>
</tr>
<tr>
<td>Construction Completion</td>
<td>July 2020</td>
</tr>
</tbody>
</table>
Thank You

Questions and Answers

NORTHEAST AREA ELEMENTARY SCHOOL - II
RIDGE ROAD SITE
April 17, 2018