West Towson Elementary School
Presentation to LEA Facilities Planners

September 16, 2014
FACILITY SUMMARY

Feasibility Study: April 2008
Schematic Design: May 2008
CD’s Completed: March 2009
Construction Started: May 2009
Occupied: August 2010

State Rated Capacity (SRC): 451
Total Area: 69,079 sf
Total Construction Cost: $17.3M

LEED Certified (LEED for SCHOOLS 2.0): Silver (2012)
LEED Scorecard

<table>
<thead>
<tr>
<th>Category</th>
<th>Score</th>
<th>Points</th>
</tr>
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<tbody>
<tr>
<td>Sustainable Sites</td>
<td>7</td>
<td>16</td>
</tr>
<tr>
<td>Water Efficiency</td>
<td>5</td>
<td>7</td>
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<tr>
<td>Energy &amp; Atmosphere</td>
<td>3</td>
<td>17</td>
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<tr>
<td>Material &amp; Resources</td>
<td>7</td>
<td>13</td>
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<tr>
<td>Indoor Environmental Quality</td>
<td>12</td>
<td>20</td>
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<tr>
<td>Innovation</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

Silver 39/79

LEED Facts
- Certification awarded May 2012
- Silver
  - Sustainable sites: 7/16
  - Water efficiency: 5/7
  - Energy & Atmosphere: 3/17
  - Material & Resources: 7/13
  - Indoor Environmental Quality: 12/20
  - Innovation: 5/6
PREVIOUS VICINITY MAP
MASSING and CONTEXT
SWM CHALLENGES & TECHNIQUES

• MD Stormwater Management Regulations required run-off from all new impervious areas to be treated.

• The building footprint was minimized, by stacking three-stories, which minimized roof area.

• The existing parking areas were expanded and shared between the schools, to minimize paved areas.

• BCPS requested visible bioswales and an exposed pond, ILO underground SWM, as an educational element.

• The bio-swales are relatively small and scattered around the site, to maximize flexible placement.

• The adjacent stream served as a natural destination for the treated run-off.
SWM DETAILS

CROSS SECTION D-D - SWALE #2

CROSS SECTION E-E - SWALE #2
THE GREEN ROOF

Approximately 10% of the total roof area is Green Roof.
THE GREEN ROOF
OUTDOOR LEARNING