## Site Data

**Project Name:** CWM Powhatan Creek HUC  
**Date:** 7/11/2015

### 1. Post-Development Project & Land Cover Information

#### Constants

- **Annual Rainfall (inches):** 43
- **Target Rainfall Event (inches):** 1.00
- **Phosphorus EMC (mg/L):** 0.26  
  - **Nitrogen EMC (mg/L):** 1.86
- **Target Phosphorus Target Load (lb/acre/yr):** 0.41
- **Pj:** 0.90

#### Land Cover (acres)

<table>
<thead>
<tr>
<th></th>
<th>A soils</th>
<th>B Soils</th>
<th>C Soils</th>
<th>D Soils</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest/Open Space</td>
<td>0.00</td>
<td>0.00</td>
<td>2.81</td>
<td>0.00</td>
<td>2.81</td>
</tr>
<tr>
<td>Managed Turf</td>
<td>0.00</td>
<td>0.00</td>
<td>15.41</td>
<td>0.00</td>
<td>15.41</td>
</tr>
<tr>
<td>Impervious Cover</td>
<td>0.00</td>
<td>0.00</td>
<td>9.10</td>
<td>0.00</td>
<td>9.10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>27.32</strong></td>
</tr>
</tbody>
</table>

#### Rv Coefficients

<table>
<thead>
<tr>
<th></th>
<th>A soils</th>
<th>B Soils</th>
<th>C Soils</th>
<th>D Soils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest/Open Space</td>
<td>0.02</td>
<td>0.03</td>
<td>0.04</td>
<td>0.05</td>
</tr>
<tr>
<td>Managed Turf</td>
<td>0.15</td>
<td>0.20</td>
<td>0.22</td>
<td>0.25</td>
</tr>
<tr>
<td>Impervious Cover</td>
<td>0.95</td>
<td>0.95</td>
<td>0.95</td>
<td>0.95</td>
</tr>
</tbody>
</table>

#### Land Cover Summary

- **Forest/Open Space Cover (acres):** 2.81  
- **Weighted Rv(forest):** 0.04  
- **% Forest:** 10%
- **Managed Turf Cover (acres):** 15.41  
- **Weighted Rv(turf):** 0.22  
- **% Managed Turf:** 56%
- **Impervious Cover (acres):** 9.10  
- **Rv(impervious):** 0.95  
- **% Impervious:** 33%

- **Total Site Area (acres):** 27.32  

#### Site Rv

- **0.44**

#### Post-Development

- **Post-Development Treatment Volume (acre-ft):** 1.01
- **Post-Development Treatment Volume (cubic feet):** 44,096
- **Post_Development Load (TP) (lb/yr):** 27.71  
  - **Post_Development Load (TN) (lb/yr):** 198.20
- **Total Load (TP) Reduction Required (lb/yr):** 16.50