UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information

Subwatershed: Unnamed Tributary

Location of Catchment Centroid on ADC Map: Year: 2000 Page: 17 Grid: J8

State Plane Coordinates of Outfall Location: X: 1398057 Y: 481465

Closest Road Intersection to Outfall: Priest Bridge Road and Espey Court

Outfall SDI ID or Outfall Description: unknown

Objective: Demonstration / Impairment(s) (Sheet 1)

Drainage Area (ac): 2.0 Impervious Area (ac): 1.25
Percent Impervious: 63% Soil Recharge Factor (S): 0.38
WQv (required): 0.10 Rev (required): 0.04
Predominant Land Use: commercial Mean Depth to Ground Water: unknown

Sanitary System: □ Septic □ Municipal Sewer Water Supply: □ On Site Well □ Public Water

Storm Drainage System Within Catchment

Piped: 100% Open Channels: 0%
Area Drained by System: 100%

Location in Catchment: □ Headwaters □ Middle □ Lower □ All

Open Channel Lining- Vegetation: 0% Riprap: 0% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s)

SDI ID: Type (number from Sheets 4 & 5): Age:

Closest Road Intersection to IMP / BMP:

Catchment Area Treated (ac) : Percentage Catchment Treated:

WQv Provided: □ YES □ NO Rev Provided: □ YES □ NO Cp Provided: □ YES □ NO

SDI ID: Type (number from Sheets 4 & 5): Age:

Closest Road Intersection to IMP / BMP:

Catchment Area Treated (ac) : Percentage Catchment Treated:

WQv Provided: □ YES □ NO Rev Provided: □ YES □ NO Cp Provided: □ YES □ NO

SDI ID: Type (number from Sheets 4 & 5): Age:

Closest Road Intersection to IMP / BMP:

Catchment Area Treated (ac) : Percentage Catchment Treated:

WQv Provided: □ YES □ NO Rev Provided: □ YES □ NO Cp Provided: □ YES □ NO
### CATCHMENT SUMMARY

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WQ&lt;sub&gt;v&lt;/sub&gt; (provided):</td>
<td>0.079</td>
</tr>
<tr>
<td>Re&lt;sub&gt;v&lt;/sub&gt; (provided):</td>
<td>0.079</td>
</tr>
<tr>
<td>Area Treated (ac):</td>
<td>1.49</td>
</tr>
<tr>
<td>Impervious Area Treated (ac):</td>
<td>1.24</td>
</tr>
<tr>
<td>Area Treated (%):</td>
<td>75%</td>
</tr>
<tr>
<td>Impervious Area Treated (%):</td>
<td>99%</td>
</tr>
</tbody>
</table>

**Comments**

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**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)**

**FORM 2 -- Site Information**

<table>
<thead>
<tr>
<th>Site Name: Richardson Building</th>
<th>Address: 2127 Espey Court</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Owner: King Commercial Properties 301-345-6300</td>
<td></td>
</tr>
<tr>
<td>State Plane Coordinates of Site Centroid: X: 1398104 Y: 481686 Date: 5/27/03</td>
<td></td>
</tr>
<tr>
<td>Personnel: PM</td>
<td>Weather: cloudy, rain 65F deg</td>
</tr>
<tr>
<td>Area (ac): 2</td>
<td>Impervious Area (ac): 1.2</td>
</tr>
<tr>
<td>Percent Impervious: 62%</td>
<td>Soil Recharge Factor (S): 0.38</td>
</tr>
<tr>
<td>WQ_v (required): 0.1</td>
<td>Re_v (required): 0.04</td>
</tr>
<tr>
<td>Property Area (ac): 2</td>
<td>Property Area Included in Site: 100%</td>
</tr>
<tr>
<td>Amount of Catchment Occupied by Site: 100%</td>
<td></td>
</tr>
</tbody>
</table>

**Storm Drainage System Within Site**

<table>
<thead>
<tr>
<th>Piped: 100%</th>
<th>Open Channels: 0%</th>
<th>Area Drained by System: 100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Channel Lining - Vegetation: 0%</td>
<td>Riprap: 0% Concrete: 0% Other: 0%</td>
<td></td>
</tr>
</tbody>
</table>

**Existing IMP(s) / BMP(s)** (Identified on Page 1, FORM 1, Catchment Information)

<table>
<thead>
<tr>
<th>SDI ID:</th>
<th>Condition: Excellent Good Average Fair Poor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☐ ☐ ☐ ☐ ☐</td>
</tr>
</tbody>
</table>

**Site Information**

<table>
<thead>
<tr>
<th>Type of Pavement:</th>
<th>☑ Bituminous</th>
<th>Concrete</th>
<th>Gravel</th>
<th>Grid Pavers</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pavement Condition:</td>
<td>☐ Excellent</td>
<td>☐ Good</td>
<td>☑ Average</td>
<td>☐ Fair</td>
<td>☐ Poor</td>
</tr>
<tr>
<td>Underdrains can be easily directed to existing storm drains or daylighted:</td>
<td>☑ YES</td>
<td>☐ NO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gutter/Exterior Downspouts Present:</td>
<td>☐ YES</td>
<td>☑ NO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof Connected Directly to Storm Drain:</td>
<td>☑ YES</td>
<td>☐ NO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof Drains onto Impervious Surface:</td>
<td>☐ YES</td>
<td>☐ NO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Obvious Existing Drainage Problems:</td>
<td>☐ Extensive</td>
<td>☐ Moderate</td>
<td>☐ Average</td>
<td>☑ Limited</td>
<td>☐ None</td>
</tr>
<tr>
<td>Steep Slopes Present:</td>
<td>☐ Extensive</td>
<td>☐ Moderate</td>
<td>☐ Average</td>
<td>☑ Limited</td>
<td>☐ None</td>
</tr>
<tr>
<td>Existing Landscaping:</td>
<td>☐ Extensive</td>
<td>☐ Moderate</td>
<td>☑ Average</td>
<td>☐ Limited</td>
<td>☐ None</td>
</tr>
<tr>
<td>Mature / Specimen Trees:</td>
<td>☐ Extensive</td>
<td>☐ Moderate</td>
<td>☑ Average</td>
<td>☐ Limited</td>
<td>☐ None</td>
</tr>
<tr>
<td>Area Available for Aboveground BMPs:</td>
<td>☑ Extensive</td>
<td>☑ Moderate</td>
<td>☑ Average</td>
<td>☑ Limited</td>
<td>☐ None</td>
</tr>
<tr>
<td>Existing Cover of Potential Aboveground BMP Locations:</td>
<td>☑ Grass</td>
<td>☑ Landscaped</td>
<td>☑ Gravel</td>
<td>☐ Other Pervious Pavement</td>
<td>☐ Other Impervious</td>
</tr>
</tbody>
</table>
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)

Commercial / Institutional

Islands Present: [ ] YES  [ ] NO

Curb Present Around Island: [ ] YES  [ ] NO

Ground Level of Island Relative to Pavement: [ ] Above  [ ] Equal  [ ] Below

Island Landscaping: [ ] Impervious  [ ] Bare Earth  [ ] Gravel  [ ] Grass  [ ] Mulch  [ ] Herbaceous Plants  [ ] Shrubs

Trees (<2 in. DBH): [ ] Yes  [ ] No

Trees (2 - 6 in. DBH): [ ] Yes  [ ] No

Trees (>6 in. DBH): [ ] Yes  [ ] No

Parking area that can be directed to potential treatment area with little grading: 95%

SITE SUMMARY

WQ, (provided) : 0.079  Re, (provided): 0.079

Area Treated (ac) : 1.49  Impervious Area Treated (ac): 1.24

Area Treated (%): 75%  Impervious Area Treated (%): 100%

Photographs

No.  Description:

3  looking north along west side of property

4  looking east along south side of property

5  looking north along east side of property

6  looking west along south side of property

7  looking west along north side of property

8  looking south along east side of property

9  looking east along north side of property

10 looking south along west side of property

11 north side of building

Comments: Parking is needed along the east side of 2131. West side is more commercial and does not appear that customer parking is needed. Most of the parking is for fleet vehicles and employees. However, there does not appear to be surplus parking.
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information

Site ID: 35
Catchment ID: UT08
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice

New LID IMP ☑  SWM BMP Retrofit ☐  New SWM BMP ☐  Type (Sheets 4 & 5): 7

State Plane Coordinates of IMP / BMP Centroid:  X: 1398142  Y: 481668

Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map

Identify all Impairments Addressed by Recommendation (Sheet 1):

Treatment Area Ownership: ☐ Transportation ROW ☑ Utility ROW ☐ County ☐ Other Government ☑ Private

Infrastrucure / Structures / Buildings Impacted: ☑ YES ☐ NO

Limited Impact to Adjacent Properties: ☑ YES ☐ NO

Area Accessible for Construction: ☑ YES ☐ NO

Area Accessible for Maintenance: ☑ YES ☐ NO

Limited Permitting Issues: ☑ YES ☐ NO

Jurisdictional Wetlands Impacted: ☑ YES ☐ NO

Forest Retention Area Impacted: ☑ YES ☐ NO

Conservation Easement Impacted: ☑ YES ☐ NO

Utilities Present: ☐ None ☑ Natural Gas ☑ Electric ☑ Telephone ☑ Cable ☑ Water ☑ Sewer ☐ Other

Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☑ Telephone ☑ Cable ☑ Water ☑ Sewer ☐ Other

Impacted Utilities: ☐ Above Ground ☐ Underground

Critical Area Impacted: ☑ YES ☐ NO

Mature / Specimen Trees Impacted: ☑ YES ☐ NO

Existing Landscaping Impacted: ☑ YES ☐ NO

Underdrain Needed: ☑ YES ☐ NO  Underdrains Can Discharge: ☐ YES ☑ NO

Soils are Suitable: ☑ YES ☐ NO  Ground Water Table Level Suitable: ☑ YES ☐ NO

Estimate IMP / BMP drainage area included on site: 0.25 ac 100%

Retrofit of Existing SWM BMP

SDI ID: ☐ YES ☑ NO

Modify Outlet Structure: ☑ YES ☐ NO  Add Forebay: ☑ YES ☐ NO

Grade Bottom of Facility: ☑ YES ☐ NO  Add Aquatic Bench: ☐ YES ☑ NO

Provide Additional Storage Volume: ☐ YES ☐ NO  Plant Native Vegetation: ☑ YES ☐ NO

Excavation / Raise the Embankment: ☑ YES ☑ NO
### IMP / BMP SUMMARY

<table>
<thead>
<tr>
<th>WQ&lt;sub&gt;v&lt;/sub&gt; (provided):</th>
<th>unknown</th>
<th>Re&lt;sub&gt;v&lt;/sub&gt; (provided):</th>
<th>0.000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Treated (ac):</td>
<td>0.25</td>
<td>Impervious Area Treated (ac):</td>
<td>0.25</td>
</tr>
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</table>

### Photographs

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>north side of building</td>
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</tbody>
</table>

### Comments

IMP size = 10,714 sq ft
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice

New LID IMP ☑ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38

State Plane Coordinates of IMP / BMP Centroid: X: 1397985 Y: 481691

Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map

Identify all Impairments Addressed by Recommendation (Sheet 1):

Treatment Area Ownership: ☑ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private

Infrastructure / Structures / Buildings Impacted: ☑ YES ☐ NO

Limited Impact to Adjacent Properties: ☑ YES ☐ NO

Area Accessible for Construction: ☑ YES ☐ NO

Area Accessible for Maintenance: ☑ YES ☐ NO

Limited Permitting Issues: ☑ YES ☐ NO

Jurisdictional Wetlands Impacted: ☑ YES ☐ NO

Forest Retention Area Impacted: ☑ YES ☐ NO

Conservation Easement Impacted: ☑ YES ☐ NO

Utilities Present: ☑ None ☑ Natural Gas ☑ Electric ☑ Telephone ☑ Cable ☑ Water ☑ Sewer ☐ Other

Utilities Impacted: ☑ None ☑ Natural Gas ☑ Electric ☑ Telephone ☑ Cable ☑ Water ☑ Sewer ☐ Other

Impacted Utilities: ☑ Above Ground ☐ Underground

Critical Area Impacted: ☑ YES ☐ NO

Mature / Specimen Trees Impacted: ☑ YES ☐ NO

Existing Landscaping Impacted: ☑ YES ☐ NO

Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO

Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO

Estimate IMP / BMP drainage area included on site: 0.16 ac 100%

Retrofit of Existing SWM BMP

SDI ID: ____________ Add Forebay: ☑ YES ☐ NO

Modify Outlet Structure: ☑ YES ☐ NO Add Aquatic Bench: ☑ YES ☐ NO

Grade Bottom of Facility: ☑ YES ☐ NO Plant Native Vegetation: ☑ YES ☐ NO

Provide Additional Storage Volume: ☑ YES ☐ NO

Excavation / Raise the Embankment: ☑ YES ☐ NO
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice (concluded)

IMP / BMP SUMMARY

WQ_v (provided): 0.010  Re_v (provided): 0.010
Area Treated (ac): 0.16  Impervious Area Treated (ac): 0.13

Photographs

<table>
<thead>
<tr>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>looking west</td>
</tr>
<tr>
<td>13</td>
<td>looking south</td>
</tr>
</tbody>
</table>

Comments

IMP size = 909 sq ft
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice

New LID IMP ☑ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38

State Plane Coordinates of IMP / BMP Centroid: X: 1398023 Y: 481575

Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map

Identify all Impairments Addressed by Recommendation (Sheet 1):

Treatment Area Ownership: ☑ Private

Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO

Limited Impact to Adjacent Properties: ☑ YES ☐ NO

Area Accessible for Construction: ☑ YES ☐ NO

Area Accessible for Maintenance: ☑ YES ☐ NO

Limited Permitting Issues: ☑ YES ☐ NO

Jurisdictional Wetlands Impacted: ☐ YES ☑ NO

Forest Retention Area Impacted: ☐ YES ☑ NO

Conservation Easement Impacted: ☐ YES ☑ NO

Utilities Present: ☑ None ☑ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☑ Water ☑ Sewer ☑ Other

Utilities Impacted: ☐ None ☑ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☑ Water ☑ Sewer ☑ Other

Impacted Utilities: ☑ Above Ground ☑ Underground

Critical Area Impacted: ☑ YES ☐ NO

Mature / Specimen Trees Impacted: ☑ YES ☐ NO

Existing Landscaping Impacted: ☑ YES ☐ NO

Underdrain Needed: ☐ YES ☑ NO Underdrains Can Discharge: ☑ YES ☐ NO

Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO

Estimate IMP / BMP drainage area included on site: 0.31 ac 100%

Retrofit of Existing SWM BMP

SDI ID: ____________ Add Forebay: ☐ YES ☑ NO
Modify Outlet Structure: ☐ YES ☑ NO Add Aquatic Bench: ☑ YES ☐ NO
Grade Bottom of Facility: ☐ YES ☑ NO Plant Native Vegetation: ☑ YES ☐ NO
Provide Additional Storage Volume: ☑ YES ☐ NO
Excavation / Raise the Embankment: ☑ YES ☐ NO
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice (concluded)

### IMP / BMP SUMMARY

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WQ&lt;sub&gt;v&lt;/sub&gt; (provided):</td>
<td>0.018</td>
</tr>
<tr>
<td>Re&lt;sub&gt;v&lt;/sub&gt; (provided):</td>
<td>0.018</td>
</tr>
<tr>
<td>Area Treated (ac):</td>
<td>0.31</td>
</tr>
<tr>
<td>Impervious Area Treated (ac):</td>
<td>0.21</td>
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### Photographs

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>looking south</td>
</tr>
<tr>
<td>15</td>
<td>looking west</td>
</tr>
<tr>
<td>16</td>
<td>looking north</td>
</tr>
</tbody>
</table>

### Comments

IMP size = 1,556 sq ft
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice

New LID IMP ☑ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38

State Plane Coordinates of IMP / BMP Centroid: X: 1398246 Y: 481656

Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map

Identify all Impairments Addressed by Recommendation (Sheet 1):

Treatment Area Ownership: ☑ Transportation ROW ☑ Utility ROW ☑ County ☑ Other Government ☑ Private

Infrastructure / Structures / Buildings Impacted: ☑ YES ☑ NO

Limited Impact to Adjacent Properties: ☑ YES ☑ NO

Area Accessible for Construction: ☑ YES ☑ NO

Area Accessible for Maintenance: ☑ YES ☑ NO

Limited Permitting Issues: ☑ YES ☑ NO

Jurisdictional Wetlands Impacted: ☑ YES ☑ NO

Forest Retention Area Impacted: ☑ YES ☑ NO

Conservation Easement Impacted: ☑ YES ☑ NO

Utilities Present: ☑ None ☑ Natural Gas ☑ Electric ☑ Telephone ☑ Cable ☑ Water ☑ Sewer ☑ Other

Utilities Impacted: ☑ None ☑ Natural Gas ☑ Electric ☑ Telephone ☑ Cable ☑ Water ☑ Sewer ☑ Other

Impacted Utilities: ☑ Above Ground ☑ Underground

Critical Area Impacted: ☑ YES ☑ NO

Mature / Specimen Trees Impacted: ☑ YES ☑ NO

Existing Landscaping Impacted: ☑ YES ☑ NO

Underdrain Needed: ☑ YES ☑ NO

Underdrains Can Discharge: ☑ YES ☑ NO

Soils are Suitable: ☑ YES ☑ NO

Ground Water Table Level Suitable: ☑ YES ☑ NO

Estimate IMP / BMP drainage area included on site: 0.27 ac 100%

Retrofit of Existing SWM BMP

SDI ID: ___________ Add Forebay: ☑ YES ☑ NO

Modify Outlet Structure: ☑ YES ☑ NO Add Aquatic Bench: ☑ YES ☑ NO

Grade Bottom of Facility: ☑ YES ☑ NO Plant Native Vegetation: ☑ YES ☑ NO

Provide Additional Storage Volume: ☑ YES ☑ NO

Excavation / Raise the Embankment: ☑ YES ☑ NO
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice (concluded)

### IMP / BMP SUMMARY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WQ&lt;sub&gt;v&lt;/sub&gt; (provided)</td>
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<tr>
<td>Re&lt;sub&gt;v&lt;/sub&gt; (provided)</td>
<td>0.015</td>
</tr>
<tr>
<td>Area Treated (ac)</td>
<td>0.27</td>
</tr>
<tr>
<td>Impervious Area Treated (ac)</td>
<td>0.19</td>
</tr>
</tbody>
</table>

### Photographs

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>looking north</td>
</tr>
<tr>
<td>18</td>
<td>looking south</td>
</tr>
</tbody>
</table>

### Comments

“Speed bump” will be used to direct flow.

IMP size = 1,340 sq ft
**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)**

**FORM 3 -- Opportunities and Constraints of Potential Management Practice**

New LID IMP: ☑️  SWM BMP Retrofit: ☐️  New SWM BMP: ☐️  Type (Sheets 4 & 5): 38

State Plane Coordinates of IMP / BMP Centroid:  
X: 1398034  
Y: 481842

Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map

Identify all Impairments Addressed by Recommendation (Sheet 1): 

Treatment Area Ownership:  
☐ Transportation ROW  ☑️ Utility ROW  ☐ County  ☐ Other Government  ☑️ Private

Infrastructure / Structures / Buildings Impacted:  
☐ YES  ☑️ NO

Limited Impact to Adjacent Properties:  
☐ YES  ☑️ NO

Area Accessible for Construction:  
☐ YES  ☑️ NO

Area Accessible for Maintenance:  
☐ YES  ☑️ NO

Limited Permitting Issues:  
☐ YES  ☑️ NO

Jurisdictional Wetlands Impacted:  
☐ YES  ☑️ NO

Forest Retention Area Impacted:  
☐ YES  ☑️ NO

Conservation Easement Impacted:  
☐ YES  ☑️ NO

Utilities Present:  
☐ None  ☑️ Natural Gas  ☐ Electric  ☐ Telephone  ☐ Cable  ☐ Water  ☐ Sewer  ☐ Other

Utilities Impacted:  
☐ None  ☑️ Natural Gas  ☐ Electric  ☐ Telephone  ☐ Cable  ☐ Water  ☐ Sewer  ☐ Other

Impacted Utilities:  
☐ Above Ground  ☑️ Underground

Critical Area Impacted:  
☐ YES  ☑️ NO

Mature / Specimen Trees Impacted:  
☐ YES  ☑️ NO

Existing Landscaping Impacted:  
☐ YES  ☑️ NO

Underdrain Needed:  
☐ YES  ☑️ NO  Underdrains Can Discharge:  
☐ YES  ☑️ NO

Soils are Suitable:  
☐ YES  ☑️ NO  Ground Water Table Level Suitable:  
☐ YES  ☑️ NO

Estimate IMP / BMP drainage area included on site:  
0.46 ac  100%

**Retrofit of Existing SWM BMP**

SDI ID: 
Add Forebay:  
☐ YES  ☑️ NO

Modify Outlet Structure:  
☐ YES  ☑️ NO  Add Aquatic Bench:  
☐ YES  ☑️ NO

Grade Bottom of Facility:  
☐ YES  ☑️ NO  Plant Native Vegetation:  
☐ YES  ☑️ NO

Provide Additional Storage Volume:  
☐ YES  ☑️ NO

Excavation / Raise the Embankment:  
☐ YES  ☑️ NO
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice (concluded)

IMP / BMP SUMMARY

<table>
<thead>
<tr>
<th>WQ_v (provided):</th>
<th>0.033</th>
<th>Re_v (provided):</th>
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<tbody>
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Photographs

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<tbody>
<tr>
<td>19</td>
<td>looking west</td>
</tr>
<tr>
<td>20</td>
<td>looking north</td>
</tr>
<tr>
<td>21</td>
<td>looking east</td>
</tr>
<tr>
<td>22</td>
<td>looking east along Espey Court</td>
</tr>
</tbody>
</table>

Comments

“Speed bumps” must be used to direct flow.

IMP size = 2,910 sq ft
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice

New LID IMP ☑ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38

State Plane Coordinates of IMP / BMP Centroid: X: 1397948 Y: 481828

Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map

Identify all Impairments Addressed by Recommendation (Sheet 1):

Treatment Area Ownership: ☑ Transportation ROW ☐ Utility ROW ☑ County ☐ Other Government ☑ Private

Infrastructure / Structures / Buildings Impacted: ☑ YES ☐ NO

Limited Impact to Adjacent Properties: ☑ YES ☐ NO

Area Accessible for Construction: ☑ YES ☐ NO

Area Accessible for Maintenance: ☑ YES ☐ NO

Limited Permitting Issues: ☑ YES ☐ NO

Jurisdictional Wetlands Impacted: ☐ YES ☑ NO

Forest Retention Area Impacted: ☑ YES ☐ NO

Conservation Easement Impacted: ☑ YES ☐ NO

Utilities Present: ☐ None ☑ Natural Gas ☑ Electric ☑ Telephone ☐ Cable ☑ Water ☐ Sewer ☑ Other

Utilities Impacted: ☐ None ☑ Natural Gas ☑ Electric ☑ Telephone ☐ Cable ☑ Water ☐ Sewer ☑ Other

Impacted Utilities: ☑ Above Ground ☑ Underground

Critical Area Impacted: ☑ YES ☑ NO

Mature / Specimen Trees Impacted: ☑ YES ☑ NO

Existing Landscaping Impacted: ☑ YES ☑ NO

Underdrain Needed: ☑ YES ☑ NO Underdrains Can Discharge: ☑ YES ☑ NO

Soils are Suitable: ☑ YES ☑ NO Ground Water Table Level Suitable: ☑ YES ☑ NO

Estimate IMP / BMP drainage area included on site: 0.04 ac 100%

Retrofit of Existing SWM BMP

SDI ID: ________________ Add Forebay: ☑ YES ☑ NO

Modify Outlet Structure: ☑ YES ☑ NO Add Aquatic Bench: ☑ YES ☑ NO

Grade Bottom of Facility: ☑ YES ☑ NO Plant Native Vegetation: ☑ YES ☑ NO

Provide Additional Storage Volume: ☑ YES ☑ NO

Excavation / Raise the Embankment: ☑ YES ☑ NO
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice (concluded)

IMP / BMP SUMMARY

<table>
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Photographs

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<tr>
<td>24</td>
<td>looking east</td>
</tr>
<tr>
<td>25</td>
<td>looking south</td>
</tr>
</tbody>
</table>

Comments

“Speed bumps” must be used to direct flow.

IMP size = 288 sq ft
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 3 -- Opportunities and Constraints of Potential Management Practice