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: 1398264 Y: 482053

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

Outfall SDI ID or Outfall Description: unknown

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

Drainage Area (ac): 6.0 Impervious Area (ac): 0.8

Percent Impervious: 13% Soil Recharge Factor (S): 0.38

WQv (required): 0.09 Rev (required): 0.03

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: Unknown Type (number from Sheets 4 & 5): 13 Age: ______

Closest Road Intersection to IMP / BMP: Priest Bridge Road and Espey Court

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

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<td>14%</td>
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</table>

Comments: The storm water management treats about three quarters of the property, which includes the roof. The drainage area of the facility cannot be determined because the storm drainage system is not known.
**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)**

**FORM 2 -- Site Information**

**Site Name:** ____________________________  **Address:** 2130 Priest Bridge Drive

**Site Owner:** ____________________________  

**State Plane Coordinates of Site Centroid:** X: 1398409  Y: 481682  **Date:** 5/28/03

**Personnel:** PM  **Weather:** cloudy, 70F deg

**Area (ac):** 6  **Impervious Area (ac):** 0.8

**Percent Impervious:** 14%  **Soil Recharge Factor (S):** 0.38

**WQ_v (required):** 0.09  **Re_v (required):** 0.03

**Property Area (ac):** 6.4  **Property Area Included in Site:** 93%

**Amount of Catchment Occupied by Site:** 100%

**Storm Drainage System Within Site**

- **Piped:** 100%  **Open Channels:** 0%
- **Area Drained by System:** 75%

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

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

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**Site Information**

- **Type of Pavement:** Bituminous
- **Pavement Condition:** Good
- **Underdrains can be easily directed to existing storm drains or daylighted:** YES
- **Gutter/Exterior Downspouts Present:** YES
- **Roof Connected Directly to Storm Drain:** YES
- **Obvious Existing Drainage Problems:** Limited
- **Steep Slopes Present:** None
- **Existing Landscaping:** None
- **Mature / Specimen Trees:** None
- **Area Available for Aboveground BMPs:** Limited
- **Existing Cover of Potential Aboveground BMP Locations:** Grass
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) ☑ Trees (2 - 6 in. DBH) ☐ Trees (>6 in. DBH)

Trees have sufficient spacing to allow IMPs ☑ YES ☐ NO
Parking area that can be directed to potential treatment area with little grading: 40%

SITE SUMMARY

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<tr>
<td>206</td>
<td>looking east across SWM pond</td>
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<tr>
<td>207</td>
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<td>208</td>
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<td>looking west along north side of property</td>
</tr>
<tr>
<td>214</td>
<td>looking west along south side of property</td>
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Comments

Inlet along east side of building cannot be retrofitted because they are not adjacent to curb.

Pavement is too new to be replaced with grid pavers. There appears significant room to expand the existing SWM pond to the north and east.
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: 1398366  Y: 481835

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:  0.35 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
## IMP / BMP SUMMARY

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<td>front of building</td>
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<td>215</td>
<td>rear of building showing scuppers</td>
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### Comments

Building is less than 2 years old and a green roof may not be appropriate at this time.

IMP size = 15,438 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: 1398244  Y: 481904

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:  0.11 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

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<td>218</td>
<td>looking east</td>
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<tr>
<td>219</td>
<td>looking north</td>
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Comments

A speed bump will be needed to direct flow. A water meter box precluded use of the area to the east. Additional IMP exists to the south but must cross under a concrete sidewalk with a pipe or a trench drain.

IMP size = 695 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: 1398304  
Y: 481745

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:  
0.35 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
### IMP / BMP SUMMARY

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<th>Impervious Area Treated (ac)</th>
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<td>looking north</td>
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<tr>
<td>224</td>
<td>looking south</td>
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### Comments

The concrete sidewalk will need to be spanned with a pipe or concrete trench drain. A speed bump will be needed to direct flow. A water meter box precluded use of the area to the east. Additional IMP exists to the south but must cross under a concrete sidewalk with a pipe or a trench drain.

IMP size = 1,404 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): 59

State Plane Coordinates of IMP / BMP Centroid: X: 1398301 Y: 481815

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: _______ 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**

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**Comments**

IMP size = 8,814 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): 52

State Plane Coordinates of IMP / BMP Centroid: X: 1398301 Y: 481815

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: _______ 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
### IMP / BMP SUMMARY

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<td>220</td>
<td>looking south</td>
</tr>
<tr>
<td>221</td>
<td>looking north</td>
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</table>

### Comments

- IMP size = 8,814 sq ft
**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)**

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

<table>
<thead>
<tr>
<th>New LID IMP</th>
<th>SWM BMP Retrofit</th>
<th>New SWM BMP</th>
<th>Type (Sheets 4 &amp; 5):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

**State Plane Coordinates of IMP / BMP Centroid:**

X: 1398261  Y: 482051

**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
- [x] Private
- [ ] Other

**Infrastructure / Structures / Buildings Impacted:**

- [x] YES
- [ ] NO

**Limited Impact to Adjacent Properties:**

- [x] YES
- [ ] NO

**Area Accessible for Construction:**

- [x] YES
- [ ] NO

**Area Accessible for Maintenance:**

- [x] YES
- [ ] NO

**Limited Permitting Issues:**

- [x] YES
- [ ] NO

**Jurisdictional Wetlands Impacted:**

- [ ] YES
- [x] NO

**Forest Retention Area Impacted:**

- [ ] YES
- [x] NO

**Conservation Easement Impacted:**

- [ ] YES
- [x] NO

**Utilities Present:**

- [ ] None
- [x] Natural Gas
- [ ] Electric
- [x] Telephone
- [ ] Cable
- [ ] Water
- [ ] Sewer
- [ ] Other

**Utilities Impacted:**

- [ ] None
- [x] Natural Gas
- [ ] Electric
- [x] Telephone
- [ ] Cable
- [ ] Water
- [ ] Sewer
- [ ] Other

**Impacted Utilities:**

- [ ] Above Ground
- [x] Underground

**Critical Area Impacted:**

- [ ] YES
- [x] NO

**Mature / Specimen Trees Impacted:**

- [ ] YES
- [x] NO

**Existing Landscaping Impacted:**

- [x] YES
- [ ] NO

**Underdrain Needed:**

- [ ] YES
- [x] NO

**Underdrains Can Discharge:**

- [ ] YES
- [x] NO

**Soils are Suitable:**

- [x] YES
- [ ] NO

**Ground Water Table Level Suitable:**

- [x] YES
- [ ] NO

**Estimate IMP / BMP drainage area included on site:**

- [ ] YES
- [ ] NO

10% ac

**Retrofit of Existing SWM BMP**

**SDI ID:** unknown

**Add Forebay:**

- [x] YES
- [ ] NO

**Modify Outlet Structure:**

- [x] YES
- [ ] NO

**Add Aquatic Bench:**

- [x] YES
- [ ] NO

**Grade Bottom of Facility:**

- [x] YES
- [ ] NO

**Plant Native Vegetation:**

- [x] YES
- [ ] NO

**Provide Additional Storage Volume:**

- [x] YES
- [ ] NO

**Excavation / Raise the Embankment:**

- [ ] YES
- [x] 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>WQv (provided):</th>
<th>Rev (provided):</th>
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</table>

<table>
<thead>
<tr>
<th>Area Treated (ac):</th>
<th>Impervious Area Treated (ac):</th>
</tr>
</thead>
</table>

Photographs

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>225</td>
<td>riser and low-flow orifice</td>
</tr>
<tr>
<td>226</td>
<td>looking north across pond</td>
</tr>
<tr>
<td>227</td>
<td>looking east across pond</td>
</tr>
<tr>
<td>228</td>
<td>looking south across pond</td>
</tr>
<tr>
<td>229</td>
<td>looking west at embankment</td>
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Comments

Additional storage capacity can be obtained by grading to the north and to the east. Additional storage capacity can be obtained by grading to the north and to the east. Property and ownership must be confirmed. Pond could be sized to overcontrol because of absence of SWM throughout the area. Sediment appears to be coming from the Patuxent Materials, Inc facility - possibly from washing vehicles. Riser low-flow inlet is partially blocked. Riser is cracked and concrete is flaking. Facility will need to be sized to current requirements and to meet dam regulations.