Ben Brenman Pond
Stormwater Retrofit Project

Presentation to Alexandria Park and Recreation Commission

February 21, 2019, 7 p.m.
Agenda

1. Project Location
2. Purpose of Project
3. Scope of Project
4. Environmental Upgrades
5. Additional Amenities
6. What to Expect During Construction
7. Project Contacts
Project Location
Purpose of Project

- Chesapeake Bay Total Maximum Daily Load (TMDL)
- Municipal Separate Storm Sewer System (MS4) Permit
- Chesapeake Bay TMDL Action Plan major strategy
- Stormwater Local Assistance Fund (SLAF) Grant
Purpose of Project (cont.)

<table>
<thead>
<tr>
<th>MS4 Permit Targets</th>
<th>TP (lbs/yr)</th>
<th>Approx. Acres</th>
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</thead>
<tbody>
<tr>
<td>Total Reduction Target</td>
<td>1,005</td>
<td>~2,405</td>
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<tr>
<td>Lake Cook (Completed 2018)</td>
<td>163</td>
<td>390</td>
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<tr>
<td>Ben Brenman Pond (This Project)</td>
<td>151</td>
<td>290</td>
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Scope of Project

- Upgrade to Level 2 Wet Pond
- Divert 35 additional acres
Environmental Upgrades

• Expand Forebay
Environmental Upgrades

- Add 2 weir walls to create 3 separate total cells
Environmental Upgrades

- Add 3 floating wetlands
Additional Amenities

- New pedestrian walkway at existing Gazebo
Additional Amenities

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Additional Amenities

• Reconstructed pedestrian bridge at forebay
What to Expect During Construction

• Regular Work Hours
  7:00 AM to 6:00 PM (Mon-Fri)
  9:00 AM to 6:00 PM (Sat)
  No Construction (Sun)

• Estimated Construction Schedule
  Project Duration: 8 months
  Start: March 2019
  Finish: November 2019
Pedestrian Access - Construction
Armistead Boothe Park
Storm Diversion
Project Contacts

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Questions?