ROAD CONSTRUCTION PLANS
RESERVOIR OVERLOOK,
LOTS 1 THRU 110
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

VICINITY MAP

SCALE: 1"=100'

DEVELOPER
RESERVOIR OVERLOOK, L.C.
6830 Elm Street, Suite 200
Annapolis, Maryland 21401
(703) 734-9720
PLAN VIEW

NOTE: FOR STREET PAVES SEE LANDSCAPE PLAN

CASTLEWOOD COURT PROFILE

DESIGN SPEED: 30 MPH
CLASSIFICATION: LOCAL ROAD

CASTLEWOOD COURT LINEAR PROFILE

DESIGN SPEED: 30 MPH
CLASSIFICATION: LOCAL ROAD
POND #1 LANDSCAPE PLAN
(1" = 30')

POND #1 CONSTRUCTION PLAN
(1" = 30')
**Wet Mix Specification (Pond Use Only)**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Latin Name</th>
<th>percent of mix</th>
<th>lbs. per ac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Top</td>
<td>Agrostis alba</td>
<td>20%</td>
<td>6</td>
</tr>
<tr>
<td>Reed Canary Grass</td>
<td>Phalaris arundinacea</td>
<td>15%</td>
<td>4.5</td>
</tr>
<tr>
<td>Deer Tongue</td>
<td>Poaannuastrum</td>
<td>15%</td>
<td>4.5</td>
</tr>
<tr>
<td>Creeping Red Fescue</td>
<td>Festuca rubra</td>
<td>15%</td>
<td>4.5</td>
</tr>
<tr>
<td>Annual Ryegrass</td>
<td>Lolium multiflorum</td>
<td>15%</td>
<td>4.5</td>
</tr>
<tr>
<td>Switch Grass</td>
<td>Poaannuastrum</td>
<td>10%</td>
<td>3</td>
</tr>
<tr>
<td>Pennsylvania Smartweed</td>
<td>Polygonum persicaria</td>
<td>5%</td>
<td>1.5</td>
</tr>
<tr>
<td>Beggars Ticks</td>
<td>Bidens frondosa</td>
<td>5%</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**BIORETENTION SYSTEM REQUIREMENTS**

4. **Placing Soil**
   - The bioretention area shall consist of a planting soil having a composition as follows:
     - sand = 20%
     - silt = 20%
     - clay = 60%
   - The soil shall be a uniform mix, free of stones, debris, roots or other similar objects larger than one inch. The soil shall be blended to a depth of one foot and shall be uniformly mixed to a depth of one foot. The soil shall be free of stones, debris, roots or other similar objects larger than one inch. The soil shall be uniformly mixed to a depth of one foot.

5. **Soil Management**
   - Any topsoil removed shall be used to cover the area unless otherwise specified.
   - Any soil removed shall be used to cover the area unless otherwise specified.

**Typical Bioretention Trench Section**

No Scale

**PANELA TYPE SECUREABLE CAP**

**4" DIA. (MIN.)**

**SOLID SCH 40 PVC**

**NON-PERF.**

**ELEPHON CABLES**

CONNECT TO UNEVEN PIPE 4" TO 6" TILED LAYER

**OBSERVATION WELL / CLEANOUT DETAIL**

**R.I.T.**

**Maintenance Certification for Bioretention (Ponds 1, 2, and 3)**

- The bioretention ponds shall be maintained and monitored as required by the governing body or the user of the bioretention area.
- The maintenance and monitoring of the bioretention area shall be performed by a qualified contractor or certified individual.
- The contractor shall be responsible for all maintenance and monitoring activities.

**Environmental Quality Assurance, Inc.**

21 of 31
GENERAL NOTES FOR PROFILES:
WHERE DIFFERENT WATER SURFACE ELEVATIONS OCCUR BETWEEN
HY-8 AND TR-20 MODELING, HY-8 VALUES WERE CHOSEN
FOR PRE-TREATMENT AND BIORETENTION CELLS; TR-20
VALUES WERE CHOSEN FOR THE MAIN CELLS.

NOTE: ALL PIPE SYSTEMS SHOWN HEREON
(SHEET 22) ARE TO BE PRIVATELY
MAINTAINED

POND #3