CONSTRUCTION INSPECTIONS
1. CALL THE QUEEN ANNE'S COUNTY DEPARTMENT OF PUBLIC WORKS AT 410-758-0925 PRIOR TO CONSTRUCTION AND IMMEDIATELY FOLLOWING EACH OF THE FOLLOWING PHASES.
2. EXCAVATION TO SUBGRADE AND BEFORE PLACEMENT OF SOIL.
3. FINE GRADING AND PERMANENT STABILIZATION OF ADJACENT SOILS.

CONSTRUCTION NOTES
1. RAINGARDENS SHALL BE CONSTRUCTED AFTER ALL UPSTREAM AREAS HAVE BEEN STABILIZED WITH EITHER IMPERVIOUS SURFACES OR TOPSOIL AND VEGETATION.
2. RAINGARDEN EXCAVATION SHALL BE ROUGH AND UNCOMPACTED. IF SMEARING OF BOTTOM OR WALLS OCCURS, SCRATCH WITH A RAKE AS NECESSARY TO EXPOSE ROUGH EARTH.
3. LANDSCAPING MATERIALS SHOULD BE INSTALLED DURING THE SPRING OR FALL IF POSSIBLE.
4. OVERFLOW FROM RAINGARDEN SHALL BE DIRECTED OVER A 10' WIDE MINIMUM EARTH SPILLWAY STABILIZED WITH TURF AND SHALL NOT BE A SOURCE OF DOWNSTREAM EROSION.
5. THE OWNER IS ENCOURAGED TO ENHANCE THE VISUAL APPEAL OF THE RAINGARDEN BY ADDING STONE OR TIMBER RETAINING WALLS.

SIZING CHART

<table>
<thead>
<tr>
<th>TREATED AREA (sq.ft.)</th>
<th>RAINGARDEN AREA (sq.ft.)</th>
<th>SUGGESTED DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>70</td>
<td>LENGTH 14</td>
</tr>
<tr>
<td>1000</td>
<td>140</td>
<td>LENGTH 20</td>
</tr>
<tr>
<td>1500</td>
<td>210</td>
<td>LENGTH 24</td>
</tr>
<tr>
<td>2000</td>
<td>280</td>
<td>LENGTH 30</td>
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</table>

MINIMUM SETBACKS
1. 10 FEET FROM A BUILDING OR PROPERTY LINE
2. 25 FEET FROM A SEPTIC RESERVE AREA
3. 15 FEET FROM A DEEP WELL
4. 25 FEET FROM A SHALLOW WELL

CROSS SECTION

SEEN PLAN FOR DIMENSIONS

LANDSCAPE MATERIALS PER 104.02

OUTFLOW ELEV = 0.0

2"-3" MULCH

PLANTING SOIL

SEE SOIL SPECS. PER 105.02

NATIVE GROUND

SHEET FLOW FROM HOUSE AND/OR DRIVEWAY

ELEV = -0.5'

ELEV = -0.8' (OVERFILL BY 1" OR 2" TO ACCOUNT FOR SETTLING)

12" MIN

ELEV = -1.8'

APPROVED 12/01/15

DATE

DIRECTOR, DEPT. OF PUBLIC WORKS

CHIEF OF ENGINEERING

QUEEN ANNE’S COUNTY
DEPARTMENT OF PUBLIC WORKS
SINGLE LOT RESIDENTIAL ONLY
RAINGARDEN
CONSTRUCTION DETAIL

STANDARD NO. SLR-105.01
PLANT SELECTION
1. The owner is encouraged to work with a registered landscape architect or nursery to create an attractive and functional mix of native plant species that are tolerant of both saturated and dry conditions.

2. Information on appropriate species is available by typing "BayScape's Native Plants" into your favorite search engine.

3. The schedule and typical detail below can be used as a basis for plant selection and groupings, if desired.

SOIL SPECIFICATIONS
1. The rain garden planting soil shall have a composition of 50% sand, 20% composted leaves, and 30% topsoil.

2. Soil shall be of uniform composition, free of stones, debris, stumps, roots or similar objects larger than one inch.

3. Soil shall be free of plants (or plant parts) of Bermuda grass, Quack Grass, Johnson grass, Mugwort, Nutsedge, Poison Ivy, or Canadian Thistle.

4. Planting soil shall be overfilled by 1" to 2" to allow for settling. Do not compact.

RAIN GARDEN PLANTING SCHEDULE

<table>
<thead>
<tr>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SYMBOL</th>
<th>SIZE</th>
<th>RAINGARDEN SIZE (sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>QTY.</td>
<td>70</td>
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<td>QTY.</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>QTY.</td>
<td>70</td>
</tr>
</tbody>
</table>

SHRUBS:
- Ilex glabra
  - Inkberry
  - Symbol: IG
  - Size: 2 gal.
  - QTY: 1 2 3 3

- Aronia melanocarpa
  - Black chokeberry
  - Symbol: AM
  - Size: 2 gal.
  - QTY: 1 1 2 3

- Myrica cerifera
  - Bayberry
  - Symbol: MC
  - Size: 2 gal.
  - QTY: 1 2 2 3

GROUND COVER:
- Andropogon virginicus
  - Broomsedge
  - Symbol: IV
  - Size: Plug
  - QTY: 6 12 18 24

- Lithospermum cervinum
  - Blazing star
  - Symbol: LS
  - Size: Plug
  - QTY: 6 12 18 24

- Eupatorium fistulosum
  - Joe-pye weed
  - Symbol: EF
  - Size: Plug
  - QTY: 6 12 18 24

PLANTING EXAMPLE
For 140 sq. ft., raingarden

MAINTENANCE CRITERIA:
1. Water plants liberally the first growing season and during periods of drought thereafter.

2. Remove accumulated trash and vegetative debris every few months.

3. Prune and remove dead vegetation periodically, as with any landscape bed. If specific plants are not surviving, replace with a different species. Watering may be required during prolonged dry periods.

4. Silts and sediment should be removed from the surface of the filter bed when accumulation exceeds one inch. The top few inches of filter media should be removed and replaced when water ponds for more than 48 hours.

5. Refresh mulch with an additional thin layer annually. Remove all mulch and replace with a new three-inch layer every 3-5 years.

APPROVED: 12/01/15

DATE

DIRECTOR, DEPT. OF PUBLIC WORKS

CHIEF OF ENGINEERING

SCALE:
- NO SCALE

REVISIONS:

QUEEN ANNE'S COUNTY
DEPARTMENT OF PUBLIC WORKS

SINGLE LOT RESIDENTIAL ONLY
RAINGARDEN LANDSCAPING
DETAILS AND NOTES

STANDARD NO. SLR-105.02