PROJECT FORM: RAINGARDENS

Instructions

• Answer all questions thoroughly and completely for your proposed raingarden project.
• This is one part of multiple pieces required for a complete cost share grant application.
• Where the Hennepin County Natural Resources Interactive Map is a suggested resource, you can refer to this guide for assistance.

The following is meant to serve as an example for NMCWD’s Cost Share Grant raingarden project form. The site depicted and corresponding information is fictional.

Questions

1. Name of Applicant or Organization: City of Somewhereville

2. Where does runoff water currently flow that you plan to redirect to the raingarden? Check all appropriate boxes below.
   ☐ Storm drain
   ☐ Pond or other water body
   ☐ Green space (grass, garden, forest, etc.)
   ☒ Impervious surface (driveway, street, etc.)

3. Describe the ways that water will move to the raingarden. This can include downspouts, pipes, stormwater inlets, grates, grading, or swales. Water will flow through a grate and into a channel under the path. This channel will empty into the raingarden.

4. Check the boxes for all surfaces water will run off and enter the raingarden.
   ☐ Green space (grass, garden, forest, etc.)
   ☐ Roof
   ☒ Other impervious surface (driveway, street, etc.)

5. On an attached site plan or aerial image titled “Question 5”, indicate how water currently flows on the site using arrows. Also outline the area where the rain garden and any other features will be built. Create a legend if needed. The Hennepin County Natural Resources Interactive Map can be used if needed.

6. Briefly describe any regrading that needs to occur with the project (regrading means changing elevations). The lowest elevation in the project area is a small depression near the northeast corner of the parking lot, and over that area of the trail. To make water flow to the raingarden instead of the depression, the depression will be raised by 2 feet.
To get water on the path to flow into the grate, the path will be slightly regraded toward the grate by 1.5 inches of elevation or less.

7. On an attached site plan or aerial image titled “Question 7”, use a code from the following table to label each area. Once you have labeled the areas, list the square footage of each area and the land cover type. The [Hennepin County Natural Resources Interactive Map](#) can be used if needed.

<table>
<thead>
<tr>
<th>Area Code</th>
<th>Square Feet</th>
<th>Type of land cover (forest, turf, roof, pavement, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A1]</td>
<td>16,680</td>
<td>pavement</td>
</tr>
<tr>
<td>[A2]</td>
<td></td>
<td></td>
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<td>[A3]</td>
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<td>[A5]</td>
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<tr>
<td>[A6]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[add more as needed]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Drainage Area = 16,680 square feet

8. Attach a cross-section plan of the raingarden. It should show:
   - The different layers of the raingarden (such as amended soil and mulch)
   - The depth of the layers
   - Any other features (such as an underdrain)

An underdrain is a concealed pipe which drains water to a different area when the water level rises to the level of the drain. If you are choosing to implement a raingarden with an underdrain, contact the District at least 2 weeks prior to the deadline for a different list of questions. For those without an underdrain, continue below.

9. According to the [Hennepin County Natural Resource Interactive Map](#) what is the hydrologic group for the soil present at the location of the raingarden? If the map says cut-and-fill or does not indicate a hydrologic group, report this. Hydrologic Group “B”

   *Please note, because D soils have poor infiltration, raingardens on D soils without underdrains are subject to further engineering review and may be less likely to be funded.

10. How deep is the raingarden? 3 feet

11. *What is the approximate surface area at the top of the raingarden? 1400 square feet

12. *What is the approximate surface area at the bottom of the raingarden? 900 square feet

13. Attach a planting layout for the raingarden. Plants must be chosen off the NMCWD Raingarden Plant List. Other plants can be used but are not eligible for reimbursement.

Continue on to Raingarden Plant List and other application steps listed at [https://www.ninemilecreek.org/get-involved/grants/applications/](https://www.ninemilecreek.org/get-involved/grants/applications/)
City of Somewhereville
Raingarden Project Form
current water flow

Question 5

Legend
Blue arrows: direction of surface flow
Orange: proposed grated underdrain on trail
Green: proposed raingarden
City of Somewhereville
Raingarden Project Form
drainage areas

Question 7
City of Somewhereville
Raingarden Project Form cross section

- Shredded Mulch, 3-inch layer
- Amended Soil, 7-inch layer
- 4” Diameter Rock, 5-inch layer
- Undisturbed Native Soil
City of Somewhereville
Raingarden Project Form
planting layout