



Nine Mile Creek Discovery Point

12800 Gerard Drive

Eden Prairie, MN 55346

(952) 835-2078

ninemilecreek.org

PROJECT FORM: RAINGARDENS

Instructions

- Answer all questions thoroughly 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 suggested as a resource, you can refer to [this guide](#) for assistance.

The following is a simplified example for NMCWD's cost share grant raingarden project form. The information provided on the form is fictional.

Questions

1. Name of Applicant or Organization: **City of ABC**

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

3. Where does the water **flow from** that will enter the raingarden?
Check all appropriate boxes.
 - Green space (grass, garden, forest, etc.)
 - Roof
 - Other impervious surface (driveway, street, etc.)

4. How will you direct the water to the raingarden?
For example, the water might flow to the raingarden from downspouts, through pipes, or over the landscape.
Water flows off the parking lot toward the paved path. This, and water on the paved path, will flow into a catch basin that will be piped under the path into the raingarden.

5. On a site plan or aerial image (*the [Hennepin County Natural Resources Interactive Map](#) can be used, if needed*), use arrows to indicate how water currently flows on the site. *Insert the image here or attach the image with your completed application with the title "Question 5".*

Image attached.

6. Will there be any regrading for this project?
Regrading means cutting or filling soil to change the area's elevations, so water will flow as desired.

No

Yes

If yes, briefly describe the regrading that needs to occur for the project to be successful.

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 paved 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 paved path to flow into the catch basin, the path will be slightly regraded toward the catch basin by 1.5 inches of elevation or less.

7. On a site plan or aerial image (*the [Hennepin County Natural Resources Interactive Map](#) can be used, if needed*):

- a. Mark the location of the proposed raingarden.
- b. Mark each area where runoff will drain to the raingarden. Label each area using a code from the following table.
- c. Calculate the square footage of each area and label the land cover type in the table.

Insert the image here or attach the image with your completed application with the title "Question 7".

Image attached.

<i>Area Code</i>	<i>Square Feet</i>	<i>Type of Land Cover (forest, turf, roof, pavement, etc.)</i>
[A1]	16,680	pavement
[A2]		
[A3]		
[A4]		
[A5]		
[A6]		
[add more as needed]		
Total Drainage Area =	16,680 sq ft	

8. What is the hydrologic group for the soil present at the location of the raingarden? Use the [Hennepin County Natural Resource Interactive Map](#) to find the answer. If the map says cut-and-fill or does not indicate a hydrologic group, report this.

Because D soils have poor infiltration, raingardens on D soils without underdrains (see question 9) are less likely to be funded.

Hydrologic Group B

9. Provide a cross-section plan of the raingarden.

Include:

- The different layers of the raingarden (such as amended soil and mulch)
- The depth of each layer
- Any other features (such as an underdrain)

*An underdrain is a concealed pipe beneath the raingarden, which helps the raingarden drain when there are poor soils. If you are planning a raingarden that has an underdrain, contact the District at least 10 days prior to the deadline for a different list of questions. For raingardens **without an underdrain**, continue below.*

Insert the image here or attach the image with your completed application with the title "Question 9".

Image attached.

10. How deep is the raingarden?

12 inches

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

1,400 square feet

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

900 square feet

**If you do know how to determine the surface area, use this guide:*

www.ninemilecreek.org/wp-content/uploads/Determining-Approximate-Raingarden-Surface-Areas-1.pdf

13. Provide a planting layout for the raingarden.

Plants must be chosen off the NMCWD Raingarden Plant List for reimbursement. Other plants can be used but costs can only be claimed as matching funds.

Insert the layout here or attach the layout with your completed application with the title "Question 13".

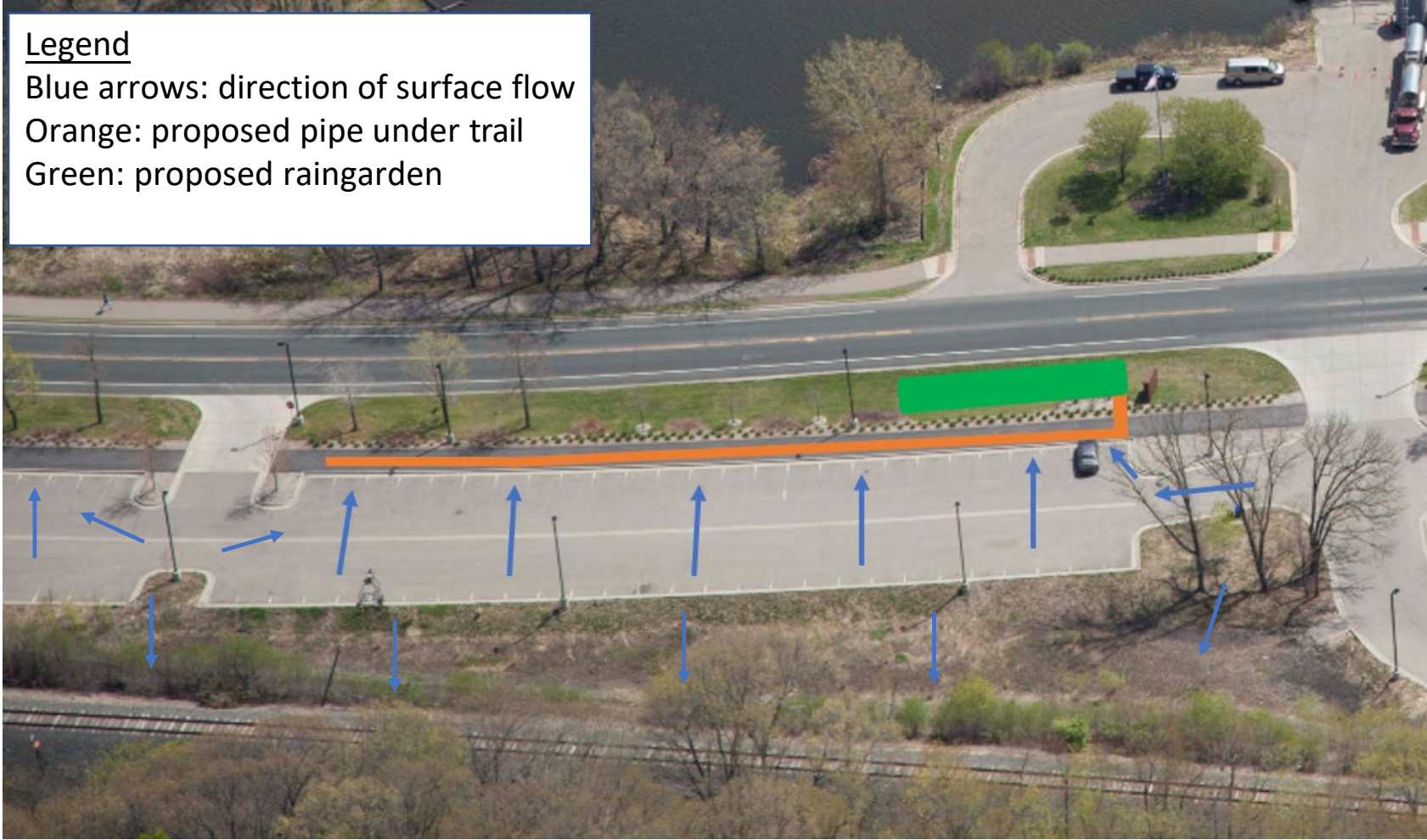
Layout attached.

Continue on to Raingarden Plant List and other application steps listed at www.ninemilecreek.org/get-involved/grants/applications/

City of ABC Raingarden
Project Form current
water flow

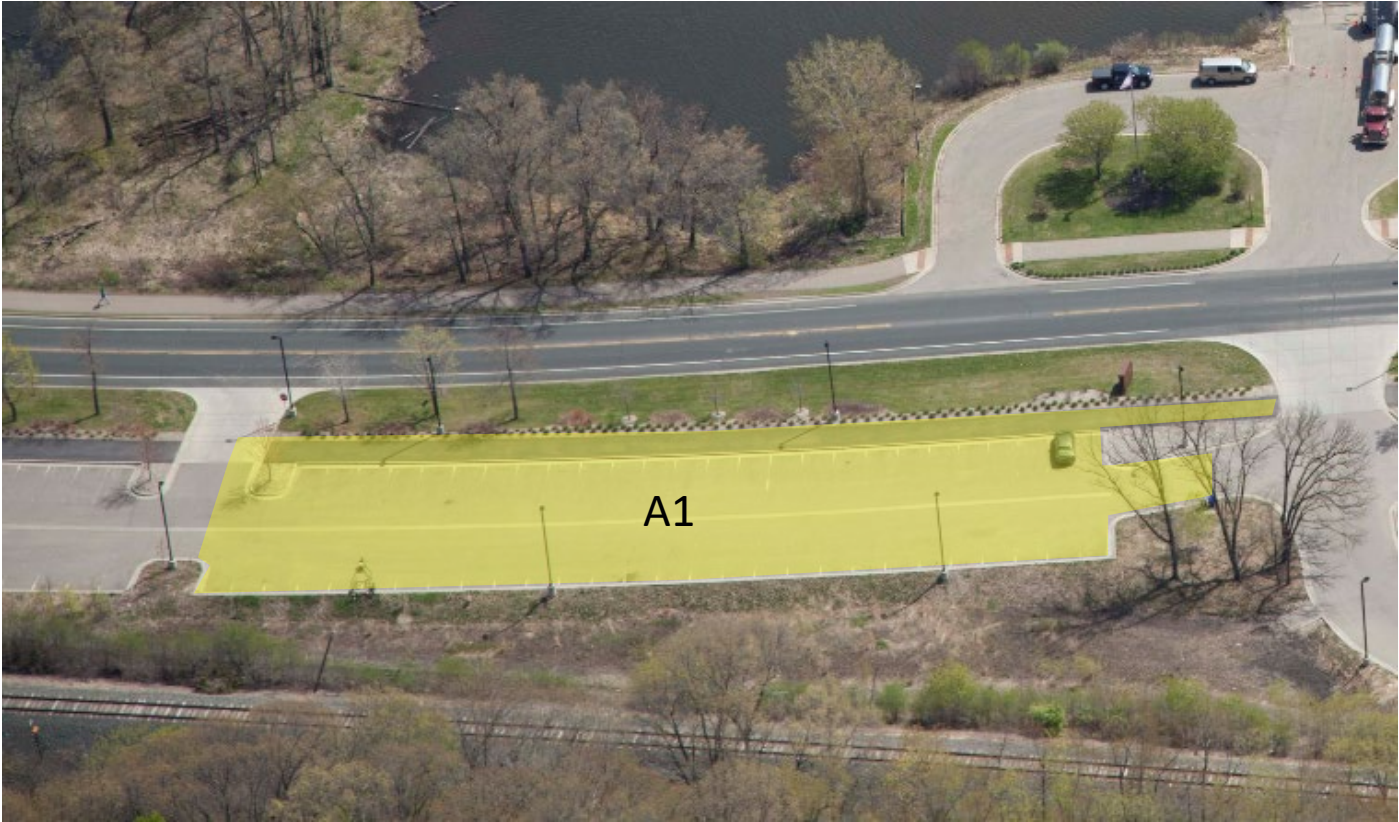
Question 5

Legend
Blue arrows: direction of surface flow
Orange: proposed pipe under trail
Green: proposed raingarden



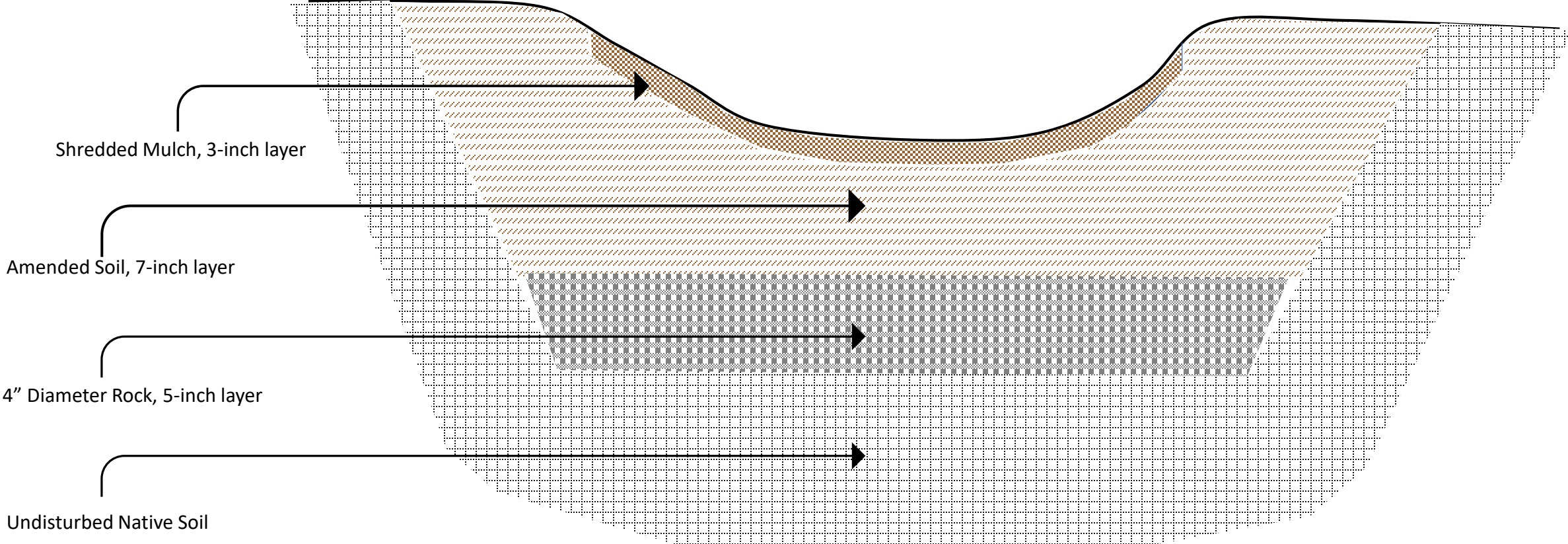
City of ABC Raingarden
Project Form drainage
areas

Question 7



City of ABC
Raingarden Project Form cross section

Question 9



Question 13

