



Nine Mile Creek Discovery Point

12800 Gerard Drive

Eden Prairie, MN 55346

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[ninemilecreek.org](http://ninemilecreek.org)

## PROJECT FORM: PERVIOUS PAVERS

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### Instructions

- Answer all questions thoroughly for your proposed pervious pavers/pavement project.
- This is one part of multiple pieces required for a complete stewardship grant application.
- Where the Hennepin County Natural Resources Interactive Map is a potential resource, you can refer to [this guide](#) for assistance.
- A sample pervious paver form is available [here](#).

The following is an example of a filled out pervious paver project form. The site depicted and corresponding information is fictional.

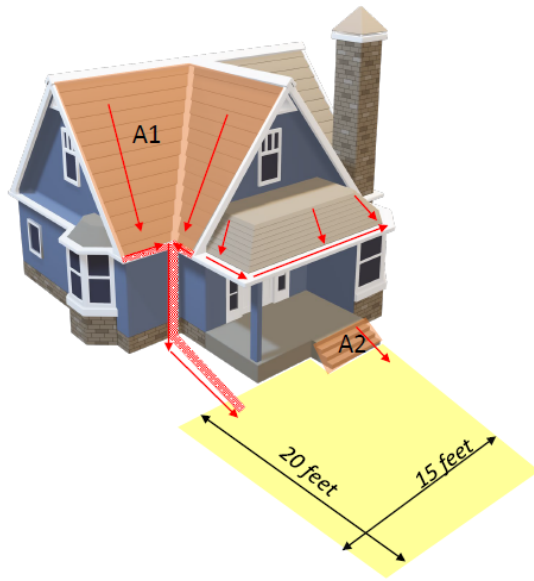
### Questions

1. Name of applicant or organization: Jane Doe
2. Where does the water **currently flow to** that you plan to capture with the pervious paver system?  
*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 pervious paver system?  
*Check all appropriate boxes*
  - Green area (grass, forested, garden, etc.)
  - Roof
  - Other impervious surface (sidewalk, parking lot, patio, etc.)
4. Provide a site plan or aerial image with the location of the pervious pavement marked, along with the areas that drain to the proposed pervious pavement system. *The [Hennepin County Natural Resources Interactive Map](#) can be used to access an aerial image, if needed.*

Make sure to:

  - Label the location of the proposed pervious pavement
  - Label each drainage area using an Area Code from the table in Question 5.

*Insert the image here or attach the image with your completed application with the title "Question 4".*



**Legend**

- Relevant gutter and downspout locations
- Draining areas
- Shows water flow
- Pervious pavers

5. Fill in the table with information about the areas that drain to the pervious pavement system. *If you need information on how to calculate the square footage of the drainage areas, refer to “measuring on the map” in [this guide](#) for assistance.*

Make sure to:

- Calculate the square footage of each drainage area.
- Fill in the land cover type of each drainage area.
- Add the drainage areas together to get the total drainage area.

*Note: If a water conveyance feature (downspout, concrete swale, etc.) drains to the pavers/pavement, remember to add in the surface area that it drains from, such as a roof section.*

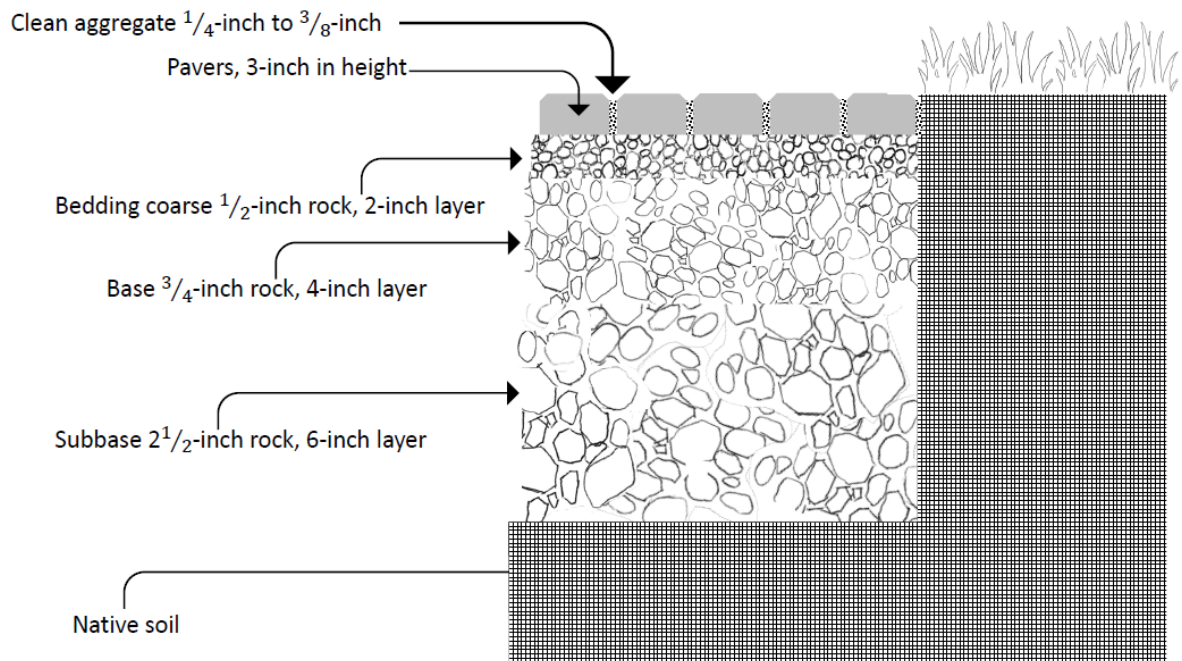
Area Code	Drainage area (square feet)	Type of land cover (forest, turf, roof, pavement, etc.)
[A1]	476	Roof
[A2]	12	Pavement (steps)
[A3]		
[A4]		
[add more as needed]		
<b>*Total Drainage Area =</b>	<b>488 square feet</b>	

\*total area should not include rain or snowmelt directly on the paver area; but should be considered when designing the capacity of the system

6. Provide a cross-section plan of the pervious pavers/pavement system. It should include:

- layers of substrate
- material in each layer
- depth of each layer
- the diameter of rocks in each layer
- native soils
- type of pervious paver used
- curbs, if applicable
- drainpipe, if applicable, and the pipe's diameter

*Insert the image here or attach the image with your completed application with the title "Question 6".*



7. Will your pervious pavement system have an underdrain?

*An underdrain is a pipe placed underneath the pavers that helps water drain.*

Yes – if yes, answer questions 8-9 and 12-15

No – if no, answer questions 10-15

ANSWER IF YOUR SYSTEM HAS AN UNDERDRAIN

8. What is the surface area of the pervious paver system at the height of the underdrain?

9. What is the depth of the system below the underdrain?

ANSWER IF YOUR SYSTEM DOES **NOT** HAVE AN UNDERDRAIN

10. What is the surface area at the top of the pervious paver system? 288 square feet

11. What is the height between the top of the system and the bottom? 15 inches or 1.25 feet

ALL APPLICATIONS ANSWER

12. What is the surface area at the bottom of the pervious paver system?

288 square feet

13. What is the approximate cubic feet of storage (below the surface) of the pervious paver system? If the system will have an underdrain, list the cubic feet below the underdrain.

360 cubic feet

14. What is the hydrologic group for the soil present at the location of the project? 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.

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

"C" hydrologic group

15. Do you plan to compact the native soil below the pervious paver system?

Yes

No

Continue to the remaining applications steps listed at: [ninemilecreek.org/grants/applications](http://ninemilecreek.org/grants/applications)