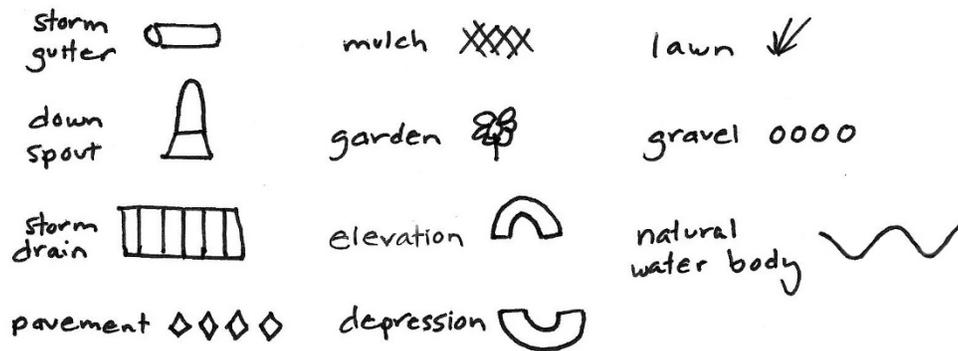


## Urban Runoff Part 1: Discovering Stormwater Runoff on School Grounds

### Directions:

On a rainy day, grab your raincoat and umbrella and go on a storm water runoff hunt! Draw and note your findings on a map of your school property using the symbols on the legend below. You will generate a list of possible pollution sources and determine the symbols with your classmates. Draw the final symbols in the space below.

### Urban Infrastructure Legend:



### Pollution Sources Legend:

1. On your map, locate the **storm gutters** and the **downspouts**. Where do the downspouts end? In a **drain** in the ground or on **gravel**, onto a **paved surface** or into a **garden**? Draw these on your map using the appropriate symbols from the legend.
2. Are there any city **storm drains** in the mapped area? Mark them on the map using the appropriate symbol.
3. Mark any **lawn**, **gravel**, **mulch** or **pavement** on your map using the symbols from your key.
4. Is water running through the vegetation? Indicate the path of the water using a dotted line. Use an arrow to indicate the direction of flow along the ground. It should look like this:



5. Do you see any rivulets of rainwater? Indicate these on your map as you did in step 4 and use an arrow to indicate direction.
6. Identify any **natural bodies of water** on the school property by drawing them on your map using the solid, squiggle line symbol.
7. Where is water collecting on school property? Indicate these places on your map using the symbol for **depressions**.
8. Are there high points on the school property from which the rainwater is flowing down? Indicate these on your map using the symbol for **elevations**.
9. Identify any pollutants you see and mark them on the map using the symbols the class created.
10. **Digging deeper:** In the space below, describe the flow and impact of these pollutants beyond the school to places where they may cause damage.