

LANDOWNER: Joel & Sandy Dunnette

LOCATION: Forest Circle

LANDSCAPER: Lakeside Landscaping



PROJECTS:

- Rain Gardens (3)
- Rock Infiltration Pit

PROJECT: Rain Gardens (3)

AREA: Rain Garden 1 = 168 square feet
Rain Garden 2 = 74 square feet
Rain Garden 3 = 65 square feet



ISSUE: When we were contacted, construction of the house had just been completed. The water from the house's roof drains to downspouts, whose output was directed towards the lake. Water from the driveway was also flowing around the house and across the yard to the lake. The landscaping was completely unfinished, so the sandy soil was at risk for erosion.

SOLUTION: A series of 3 rain gardens was installed. The first was on the street side of the house to collect the water from the driveway and one of the downspouts. The other two gardens are located on the lake side of the house where they collect water from two additional downspouts. Rock overflows were also constructed to encourage excess water to infiltrate the soil.

BEFORE





AFTER

PROJECT: Rock infiltration area
AREA: Approximately 78 square feet



ISSUE: With the construction of a new boathouse, there was a significant amount of impervious area that was added to the yard.

SOLUTION: A rock infiltration area was constructed along the length of the boathouse. With this, water from the roof is directed and collected in the spaces between the rocks. This serves as temporary storage until it can slowly soak into the soil instead of flowing directly into the lake. The rock surface also doubles as a pathway from the boathouse to the dock, minimizing the foot traffic that could compact the soil in the yard and decrease its infiltration capacity.

