



Lake-Friendly Roof Improvements

Permits may be needed in the shoreland zone (250' of lakes & rivers, 75' of streams).

Contact DigSafe at 811 before digging.

| Improvement | Uses | Install | Cost | Maintenance | Site Considerations |
|----------------------|---|--|----------|---|--|
| | Stores roof runoff from gutter downspouts to water gardens. Prevents erosion. | Couple Hours <u>Instructions</u> | \$50-100 | Spring-Fall: Drain weekly to prevent mosquito larva. Winter: Drain and store inside. | Ground conditions (type of soil, roots, rocks, etc.) Slope Water table Property use Underground structures (leach fields, utility lines, |
| Rain Barrel | | 2 | | Store maide. | |
| Dry Well | Infiltrates roof runoff from gutter downspouts. Prevents erosion. Recharges groundwater. | Couple Hours <u>Instructions</u> | \$50-100 | Wash or replace fabric and stones if clogging. | |
| | Infiltrates non- guttered roof runoff. | One Day | \$100- | Remove leaves and other debris. | foundations, wells, etc.) |
| Roof Dripline Trench | Prevents erosion. Recharges groundwater. | Instructions | 300 | Wash or replace fabric and stones if clogging. | |













KEEP *Highland Lake* CLEAN & HEALTHY

Lake-Friendly Driveway Improvements

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| Improvement | Uses | Install | Cost | Maintenance | Site Considerations |
|---------------------|--|-----------------------------|-----------|--|--|
| Infiltration Trench | Infiltrates paved driveway or road runoff. Prevents erosion. Recharges groundwater. | One Day <u>Instructions</u> | \$100-300 | Remove leaves and other debris. Wash or replace fabric and stones if clogging. | Ground conditions (type of soil, roots, rocks, etc.) Slope Water table Property use Underground structures (leach fields, utility lines, foundations, wells, etc.) |
| Grated Trench | Diverts paved driveway runoff to prevent erosion. Protects adjacent gravel roads and property. | One Day <u>Instructions</u> | \$200-500 | Clean out accumulated sediment. | |
| Water Diverter | Diverts paved (speed bumps) or gravel (rubber razor) driveway runoff into stable areas to prevent erosion. | One Day <u>Instructions</u> | \$100-200 | Clean out accumulated sediment. | |













KEEP *Highland Lake* CLEAN & HEALTHY

Lake-Friendly Walkway Improvements

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| Improvement | Uses | Install | Cost | Maintenance | Site Considerations |
|--------------------|--|------------------------------|-----------------|---|--|
| Infiltration Steps | Absorbs rainwater and snowmelt. Recharges groundwater. | 1-2 Days <u>Instructions</u> | \$500- 1,500 | Wash or replace fabric and stones if clogging. | Ground conditions (type of soil, roots, rocks, etc.) Slope Water table Sun exposure Use of walkway Property use Underground structures (leach fields, utility lines, foundations, wells, etc.) |
| Water Bar | Diverts and infiltrates runoff from washing straight downhill causing erosion. | One Day Instructions | \$100- 300 | Wash or replace fabric and stones if clogging. | |
| Meandering Path | Prevents runoff from washing straight downhill causing erosion. | 1-2 Days <u>Instructions</u> | \$100- 500 | Re-define pathway using erosion control mulch, stone, and/or plants when needed. | |













KEEP *Highland Lake* CLEAN & HEALTHY

Lake-Friendly Landscape Improvements

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| Improvement | Uses | Install | Cost | Maintenance | Site Considerations |
|---------------------|--|---------------------------------|-----------------|--|---|
| Rain Garden | Absorbs runoff from roof, driveway, or other portions of property. | 1-2 Days | \$500- 1,000 | Inspect after storms for signs of erosion or sediment build up. Weed, prune, & replace as needed. | Ground conditions (type of soil, roots, rocks, etc.) Slope Water table Sun exposure Property use Underground structures (leach fields, utility lines, foundations, wells, etc.) |
| Erosion Control Mix | Absorbs runoff. Prevents erosion on areas of bare ground. | Couple Hours Instructions | \$200- 500 | Replenish every 2-3 years, or as needed. | |
| Native Plants | Slows down and infiltrates runoff preventing erosion. Filters stormwater. | One Day Instructions | \$100- 500 | Weed, prune, & replace as needed. | |









