



The Royal Gardeners  
(810) 522-8178

6221 Cowell Road  
Brighton, Michigan  
48116  
United States

#### Prepared For

Joint Access Committee of Strawberry Hill  
Estates & Strawberry Point Bluffs  
PO Box 833  
Hamburg, Michigan  
48139-0833  
United States

#### Proposal Date

09/07/2018

#### Proposal Number

1053

## Overview

### **Strawberry Lake Shoreline Restoration**

The purpose of the project is to prevent further erosion and possibly enable restoration of the docking shoreline for Strawberry Hill Estates & Strawberry Point Bluffs.

## Scope of Work

With the help of volunteers, we will install coir logs along the 130' of eroded shoreline. 16"-20" coir logs are recommended to properly mitigate the wave action and aid in the prevention of further erosion.

Erosion control fabric will also be installed, extending from the coir logs to roughly 4' onto the shore. This estimated 520 square foot area will then be planted with native plant plugs, one per square foot, which will aid in holding the soil of the shoreline together, thus preventing further erosion.

Should backfilling be allowed to restore the original shoreline, the new soil will also be planted with the same plants.

We recommend around 10 volunteers to work on the project. One member from The Royal Gardeners or Halcyon, Earth and Sky, LLC will be present to assist and supervise. We believe that we can finish setting the logs and planting over the course of 10 hours. This can be split into two 5 hour days, one for building the wall and the other for planting.

## Timeline

It is recommended that, if backfilling is desired, a permit is applied for immediately as it can take up to 90 days for processing and approval. The required permit is a Minor Permit under Part 301, Inland Lakes and Streams Act. If it has not been done so already, an onsite pre-application meeting with the DEQ staff member that handles permitting in your area is recommended.

Installation dates will be dependent on DEQ permit approval. Ideally, we would wait until next Spring for either the entire project or, at the very least, the planting portion. This would provide a full growing season for the newly installed plants to establish themselves. Plant availability is also very limited at this point.

## Pricing

Description	Rate	Qty	Line Total
Installation Supervision and Labor	\$75.00	10	\$750.00
Consultation/Design	\$150.00	1	\$150.00
Plants Juncus effusus (Soft-stemmed bulrush), 38 plug flat	\$100.00	4	\$400.00
Plants Carex muskingumensis (Muskingum Sedge), 38 plug flat	\$100.00	5	\$500.00
Plants Asclepias incarnata (Swamp Milkweed), 38 plug flat	\$100.00	5	\$500.00
		Subtotal	2,300.00
		Tax	0.00
		<b>Proposal Total (USD)</b>	<b>\$2,300.00</b>

## Terms

The Royal Gardeners is responsible only for the labor and materials listed in the estimate.

The total for the project may exceed estimate total due to necessary increases in labor hours, differences in materials cost, or unforeseen circumstances. Client is responsible for payment in full when project has been completed.

If you have any questions regarding this estimate, please contact us at:

(810) 522-8178 or [info@theroyalgardeners.com](mailto:info@theroyalgardeners.com).

Thank you for your business!