



St. Croix Valley Healthy Waters Initiative

Scandia, MN

McAlpine Residence

MCALPINE RESIDENCE

ADDRESS:
Scandia, MN

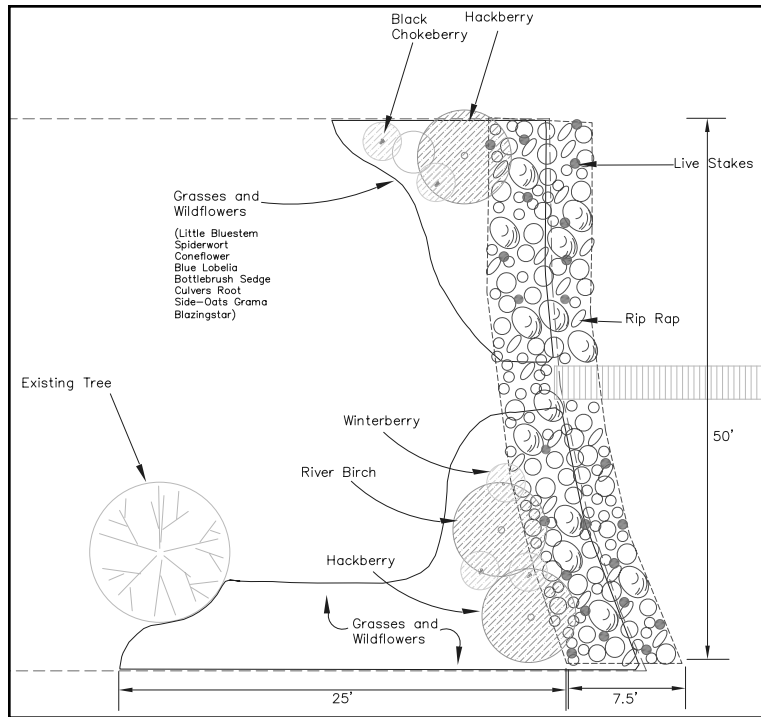
WATERSHED:
Carnelian Marine Watershed

- FUNDING PARTNERS
- Bush Foundation
 - MPCA
 - Carnelian Marine Watershed District
 - Carolyn Foundation
 - Marilyn McAlpine

- BEST MANAGEMENT PRACTICES IMPLEMENTED
- Rip-rap
 - Live Staking
 - Native planting buffer

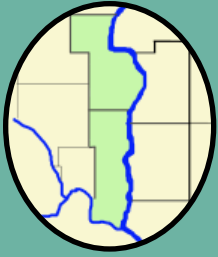
Located on the west shore of Big Marine Lake this residence had problems on their shoreline with ice heaves in the winter. The ice heaves resulted in pushing up the soil causing a ridge and an area where waves began eroding the bank. The property owner had tried a native planting to hold the bank but it was not able to handle the ice pushing on it.

The solution was to install some form of hard armoring along the shoreline integrated with plantings. In this case it was decided to use rip-rap and introduce live dogwood stakes into the rip-rap to help anchor the soil. Above the rip-rap in the yard a native vegetative buffer was planted using shrubs, trees and perennials.



Great River Greening
 35 W. Water St. #201
 Saint Paul MN 55107
 Tel 651 665.9500
www.greatrivergreening.org

*restoring the land,
renewing communities*



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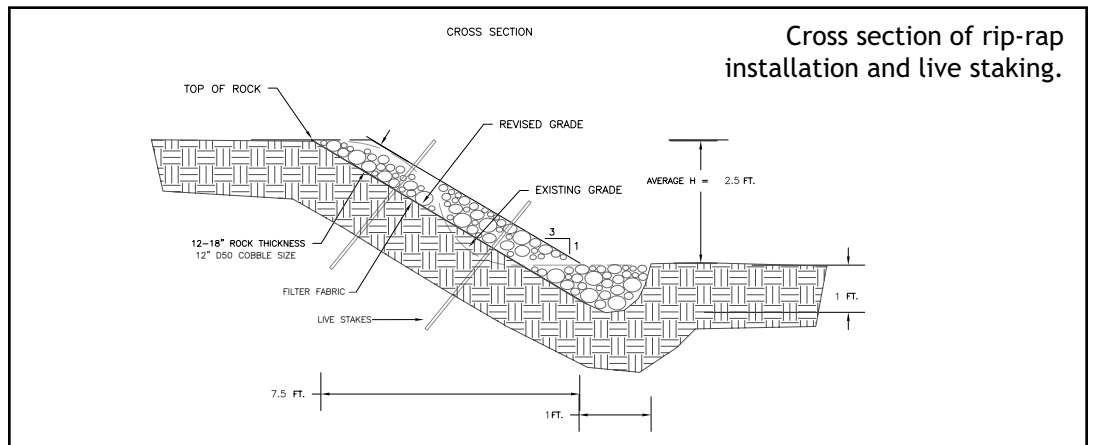
OUR
MISSION
Great River
Greening
leads and
inspires
community-
based
restoration
of natural areas
and
open spaces



View after native shrubs, trees and vegetation insatalled.



Just after rip-rap installation.



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