



Nine Mile Creek Discovery Point

12800 Gerard Drive

Eden Prairie, MN 55346

(952) 835-2078

ninemilecreek.org

MEMO

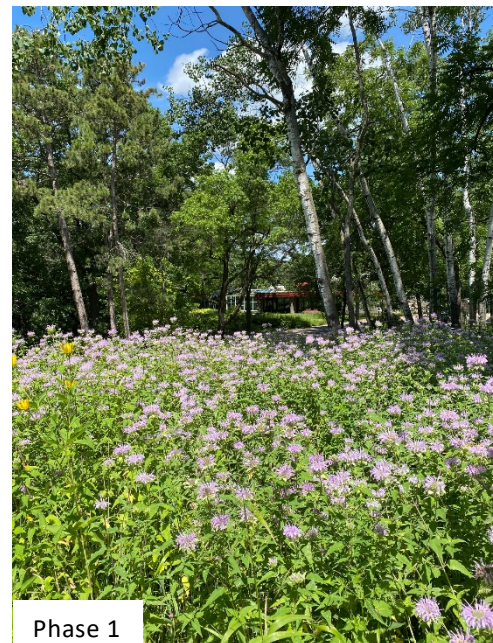
TO: Nine Mile Creek Board of Managers
FROM: Erica Sniegowski
DATE: October 14, 2020
RE: Discovery Point Restoration Phase 3 Scope Work

Background

Discovery Point Restoration History

The overall goals of the Discovery Point restoration are to restore a more diverse, healthy habitat in the face of aggressive invasive plant species like buckthorn, and to demonstrate for property owners within the District how to stabilize soil, control invasive species, and increase plant diversity in an urban setting. The ultimate vision is for the District to create an ecologically diverse site that is a public amenity with improved access to the landscape for educational and recreational opportunities.

Phase 1 of the restoration included invasive buckthorn and tree removal, along with replanting half the Phase 1 area in a fescue mix and half the area in a high diversity native seed mix. This phase was initiated in 2016 and completed in 2017. There were also volunteer buckthorn busts during this time to engage the wider neighborhood and community in the restoration efforts and to provide learning opportunities about buckthorn removal and native restoration.



Phase 2 of the restoration plan began in the late fall of 2017 (which included buckthorn and tree removal) and was completed 2018. The replanting in this phase included tree and shrub planting and seeding of prairie and woodland areas. A volunteer planting occurred in 2018 to add native plugs to the Phase 1 restoration to promote diversity in the plant population and to provide an education opportunity for members of our watershed community. Another volunteer planting was held in spring 2019 to add plugs to the Phase 2 area. Since the restoration began, the District has completed maintenance activities on the project. These activities included replacement of dead trees and shrubs planted in both phases, buckthorn control, invasive plant and weed control, and specific maintenance of the stormwater BMPs (e.g.raingardens) on site.

Fescue to Native Conversion

In late fall 2020, the southeast section of the restoration (in Phase 1) that is fescue will be sprayed to kill the fescue and planted in a savannah and woodland edge native seed mix. This is part of the ecological master plan (ninemilecreek.org/wp-content/uploads/Discovery-Point-Ecological-Master-Plan_Updated-August-2019.pdf) for the site. A small section of the fescue will be left as an

educational demonstration. The fescue demonstration area will continue to show an alternate to water and maintenance intensive turfgrass and a different planting strategy after buckthorn removal.

Barr Scope of Work

A scope of work from Barr Engineering is attached for technical services related to planning and implementation of Phase 3 restoration work at Discovery Point. Phase 3 site restoration work will focus on 1) the northern portion of the property; and 2) continued management of aggressive invasive species site wide. This phase of work is a continuation of previously restored areas and will represent the completion of the Discovery Point Site Restoration, except for ongoing site maintenance.

Budget

Total levied for restoration:	\$325,000.00
Total expenditures (as of 8/31/20):	\$224,131.14
Remaining from levy (as of 8/31/20):	\$100,868.86

Phase 3 restoration estimate:	\$45,000.00
Barr scope of work for Phase 3:	\$17,000.00
Phase 3 estimate and scope total:	\$62,000.00

Recommendation

Approve the scope of work from Barr Engineering for an amount not to exceed \$17,000.



October 12, 2020

Erica Sniegowski
Program and Project Manager
Nine Mile Creek Watershed District
12800 Gerard Drive
Eden Prairie, MN 55346

Re: Proposed Scope of Work: Phase 3 - Discovery Point Ecological Restoration

Dear Ms. Sniegowski:

Thank you for requesting us to assist the District with the continuation of the Discovery Point restoration project. This letter outlines a proposed scope of work, budget, and schedule for technical services related to the third phase of ecological restoration of the Discovery Point property. The proposed scope of work includes development of Phase 3 ecological restoration design plans and specifications for quote solicitation (construction documents), an engineer's opinion of probable construction cost, contractor quote assistance, construction observation, and updates to the Discovery Point Ecological Master Plan document.

As per your direction, the scope for Phase 3 site restoration work will focus on 1) the northern portion of the property; and 2) continued management of aggressive invasive species site wide. This phase of work is a continuation of previously restored areas and will represent the completion of the Discovery Point Site Restoration.

Site restoration can be an iterative process utilizing adaptive management. Barr staff will work closely with District staff and the Contractor throughout the project to ensure all goals and expectations are being met.

Scope of Work

We have organized the proposed work scope into four (4) project tasks, which are described in further detail below.

Task 1 – Phase 3 Ecological Restoration Design Plans, Specifications and Cost Estimate

Budget: \$5,000

Staff Hours: 45

The scope of services includes:

1. Developing native plant community restoration plans, including (1) the continued site-wide removal of invasive plants (garlic mustard and narrow-leaf bittercress); (2) site preparation, planting, and one year of native plant community management with the selected contractor

2. Preparing a cost estimate for native plant community restoration.
3. Updating plans based on District staff, City of Eden Prairie, and Minnesota Land Trust feedback.
4. Presenting plans and proposal to District Board for comment prior to solicitation for quotes.
5. Revising final plans and specifications per comments received.

Deliverables:

- Preliminary construction documents for review.
- Engineer's opinion of probable cost including phasing options based on budget allocation.
- Revised construction documents ready for solicitation of quotes.

Task 2 – Quote Assistance

Budget: \$4,000

Staff Hours: 32

The scope of services includes:

1. Coordinating contractor invite quote solicitation including preparation and notice of Request for Quotes, answering questions from prospective.
2. Tabulating quotes received, reviewing contractor qualifications, and recommendations provided by the contractors

Deliverables:

- Quote tabulation, contacting contractor references, as necessary, and preparing recommendation for Board.

Task 3 – Construction Observation

Budget: \$6,000

Staff Hours: 58

The scope of services includes:

1. Observing invasive species removals and restoration of native plant community.
2. Updating and revising invasive removal and plant establishment plans based on site and weather conditions during the work period as necessary.
3. Four (4) project meetings with District staff to ensure the goals of the project are being met throughout construction, plant community establishment and initial management.

Task 4 – Discovery Point Ecological Restoration Master Plan Updates

Budget: \$2,000

Staff Hours: 20

The scope of services includes:

1. Updating and expanding the Discovery Point Ecological Restoration Master Plan to incorporate the appropriate construction documents and photos into the existing master planning document.

Deliverables:

- Updated Discovery Point Ecological Master Plan document.

Schedule

Work shall commence immediately upon agreement to this scope of work. The preliminary plans and opinion of probable construction cost will be provided for review with District staff, City of Eden Prairie, and Minnesota Land Trust review early winter 2020. Solicitation of quotes shall occur winter 2020/21 and buckthorn clearing may begin as early as winter 2020/21.

Budget

The estimated cost to complete the proposed scope of work is **\$17,000**.

The total project construction cost for Phase 3 is targeted to be approximately \$45,000. This estimated construction cost is based on the scale of potential site restoration activities that has been previously discussed with District staff. The scope of work and cost estimate can be revised at any time as the project proceeds. The proposed work described will be conducted on a time and expenses basis.

Thank you for the opportunity to help on this important project. Please contact Matt Kumka if you have any questions about this proposal at (952) 832-2649 or mkumka@barr.com.

Sincerely,



Janna Kieffer, PE
Vice President