



Building a Better World
for All of Us®

August 12, 2017

RE: Proposal for Professional Services
McDill Pond Dredging
SEH No. 142757 MCDIL 14.00

Ms. Krista Olson
President
McDill Inland Lake & Rehabilitation District
3317 Della Street
Stevens Point, WI 54481

Dear Ms. Olson:

Thank you for considering SEH for the McDill Pond Dredging Planning project. We have a long history working with the McDill Inland Lake & Rehabilitation District (Lake District), and our company has completed several successful McDill Pond projects with the District during that period.

Dredging of lakes and rivers can be a complex, multi-disciplined environmental planning and engineering process that can be generalized into four major components:

1. Planning
2. Removal of Sedimentation
3. Transportation of Sedimentation to Planned Property
4. Permitting and Placing of Sedimentation on Approved Areas

A successful dredging project includes all four of these major components and includes a thorough review of the environmental short term and long term effects on land, lakes and rivers. A partnership with the Wisconsin Department of Natural Resources (WDNR) and a trusted professional engineering firm is key to its ultimate success.

SEH is that trusted partner with long standing relationships with WDNR and the US Army Corp of Engineers. We have an experienced team of professionals who specialize in natural resources planning for lakes and streams, environmental engineering, planning, and civil engineering. We are excited to partner with the District to provide you with dredging planning which will outline the professional services components required to efficiently complete the improvements to McDill Pond. Below you will find our scope of services for the planning of dredged material in McDill Pond.

SCOPE OF SERVICES

We understand from several conversations with the Lake District that there is a need in the community to further identify McDill Pond as the “jewel of recreation” for the community and to also understand the complexities of McDill Pond hydrology and hydraulics as it relates to sedimentation deposits within the lake bottom. Below is our understanding of the first phase of a multi-disciplined and complex lake dredging project:

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 425 West Water Street, Suite 300, Appleton, WI 54911-6058
SEH is 100% employee-owned | sehinc.com | 920.380.2800 | 888.413.4214 | 888.908.8166 fax



Phase I – McDill Pond Dredging - Planning

- 1) Kick-off Meeting with Lake District
 - Review results of 2001 project
 - Establish schedule
 - Establish exact limits of project
 - Review funding possibilities and timelines
 - Review how dredging activities relate to the Business 51 (Post Road) Reconstruction Project
- 2) Review of design and as-built dredging construction project data from 2001
 - Prepare existing 2001 contours from the as-built drawings
- 3) Paper review of Bathometric Survey
 - CAD drawings prepared
 - Cross sections completed
 - Plan view complete
- 4) Lake Dredging Earthwork Analysis
 - Compare existing 2001 contours with bathometric survey
- 5) Conduct a pre-application process and meeting with WDNR per Wisc. Admin. Code NR 347.05(1)
 - Review 2001 sediment plan and results
 - Review 2013 sediment sampling and analytical test results
 - Achieve a base line of sampling requirements utilizing existing sediment sample results from 2001. A waiver for no additional sampling is the goal. However, if not approved by WDNR, sampling will be required.
- 6) Prepare draft application for WDNR Recreational Boating Facilities Grant for Lake District submittal
- 7) Prepare environmental sampling plan of sediments as required by WDNR pre-application process
 - Prepare new sediment sampling plan, with the number of sample locations that are necessary based on estimated quantities of sediment removal
 - Finalize sediment sampling plan based on WDNR response
- 8) Review Meeting with the Lake District to discuss final deliverables

Estimated Fee: \$8,500

Upon the approval of the above planning process with the Lake District and WDNR, the next major components to a dredging project can be completed. Below is an outline of the anticipated next tasks that can be completed upon your approval.

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SUBSEQUENT DREDGING TASKS (NOT PART OF THIS PROPOSAL)

Phase II – Sediment Sampling, Lab Analysis of Samples, & DNR Review of Results

Phase III – Planning and Research for Sedimentation Site Depositing

Phase IV – Land Purchasing & Negotiation Process

Phase V – Preliminary Dredging Plans with a Phased Schedule Approach

Phase VI – Final Design, Permitting and Bidding

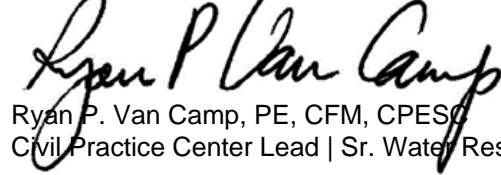
Phase VII – Contractor Removal and Depositing of Sedimentation

With the results of the planning scope completed, fees for Tasks II-VII listed above can be determined & negotiated at a later date.

SEH looks forward to assisting the Lake District in developing your McDill Pond dredging concept plan. If you have any questions, please let me know by contacting me at rvancamp@sehinc.com or 920.380.2844.

Sincerely,

SHORT ELLIOTT HENDRICKSON INC.



Ryan P. Van Camp, PE, CFM, CPESC
Civil Practice Center Lead | Sr. Water Resource Engineer

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