



## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 5C– Consider Revision to Feasibility Study Scope and Budget for DeCola Ponds B & C Improvement Project (BC-2, 3, 8)  
BCWMC October 19, 2017 Meeting Agenda  
**Date:** October 11, 2017

### 5C. Consider Revision to Feasibility Study Scope and Budget for DeCola Ponds B & C Improvement Project (BC-2, 3, 8)

#### Recommendations:

1. Consider approving the revised scope of work and revised budget (\$86,000) presented in this memorandum for the DeCola Ponds B & C Improvement Project (2019 CIP Project BC-2, BC-3 & BC-8) feasibility study.

#### Background

At their September meeting, the Commissioners discussed the proposal to conduct a feasibility study for the Medicine Lake Road and Winnetka Avenue Area Long Term Flood Mitigation Plan Implementation Phase I: DeCola Ponds B & C Improvement Project (2019 CIP Project BC-2, BC-3 & BC-8) ([Item 6Di](#)). After discussion about the appropriateness of the Commission conducting invasive soil testing due to liability concerns, the Commission amended the proposal to remove that activity and revised the study's budget accordingly. (Note: at their September meeting, the Commission also amended the study scope to remove the wetland bank scoping task – Section 2d of the original proposal.)

After further consultation with Commissioner Welch, Golden Valley staff, and the MPCA, we recommend adding test trenching back into the study's scope and developing a work plan for this investigation for submittal to the MPCA. See below for the Section 2b excerpt from the original scope regarding the environmental investigation work. Revisions to the scope (additional recommended activities) are underlined.

In addition, we recommend revising the approved study budget to accommodate the soil testing and work plan development from \$72,000 (approved last month) to \$86,000.

Although this revision will not affect the overall project schedule, the revision results in the following additions to the schedule:

- Submit environmental investigation work plan to MPCA: November 2017
- Environmental investigation field work: January 2018

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*2b) Additional environmental investigations – We will utilize the Phase II environmental investigations and Response Action Plan/Construction Contingency Plan (RAP/CCC) developed in 2015 for the City of Golden Valley’s flood mitigation project on the Liberty Crossing development site, which also included a test trench on the Dover Hills Apartment property and three push probes in the wooded area between DeCola Ponds B and C. The Phase II investigation indicated that the wooded area north of DeCola Pond B is likely filled with debris, and that a leaking underground storage tank (LUST) is located on the Dover Hills Apartment property. In addition, some unexpected low-level contamination was encountered on the Dover Hills property during the construction in 2017. We recommend additional investigation in the Pennsylvania Woods area on the Dover Hills property to delineate the extent of debris/fill and assess whether contamination associated with fill or the LUST site is present in the soils north of DeCola Pond B. This scope includes three additional test trenches within the area to be excavated north of DeCola Pond B (outside the existing wetland boundary), with up to two soils samples per trench analyzed for PAHs, RCRA metals and DRO with silica gel cleanup, and up to two soil samples analyzed for VOCs and GRO, if elevated headspace readings are observed. Peat, if encountered, will be sampled and analyzed for arsenic, based on elevated arsenic concentrations identified in peat samples in the Liberty Crossing project area. The additional test trench investigation report will be letter format and will include trench logs, data tables comparing results to MPCA Soil Reference Values, and sample location figures. We will develop a work plan for the test trench investigation and submit it to the City of Golden Valley and to the MPCA for review and approval under the current MPCA Voluntary Brownfield Program site number for the Liberty Crossing flood mitigation project. The Voluntary Brownfield Program covers two programs—the Voluntary Investigation and Cleanup (VIC – for non-petroleum contamination) program and the Petroleum Brownfields program. We assume one meeting with BCWMC, Golden Valley and/or MPCA staff. Depending on the results of the additional investigation, the BCWMC may consider applying for a Hennepin County ERF grant during the fall of 2018 (as part of a future project effort). In addition, we assume that an amendment to the RAP/CCP, if needed, would be developed during project final design.*