

**MEETING DATE:** December 8, 2016

**TITLE:** Authorization to Enter into a Construction Contract for Maintenance of the Minnehaha Preserve Enhancement Project Stormwater Filtration Basin

**RESOLUTION NUMBER:** 16-088

**PREPARED BY:** Michael Hayman

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**TELEPHONE:** 952-471-8226

**REVIEWED BY:**  Administrator  Counsel  Program Mgr. (Name): \_\_\_\_\_  
 Board Committee  Engineer  Other

**WORKSHOP ACTION:**

<input type="checkbox"/> Advance to Board mtg. Consent Agenda.	<input type="checkbox"/> Advance to Board meeting for discussion prior to action.
<input type="checkbox"/> Refer to a future workshop (date): _____	<input type="checkbox"/> Refer to taskforce or committee (date): _____
<input type="checkbox"/> Return to staff for additional work.	<input type="checkbox"/> No further action requested.
<input checked="" type="checkbox"/> Other (specify): <b><u>Final Action at Board Meeting December 8, 2016</u></b>	

**PURPOSE or ACTION REQUESTED:**

Authorization to execute an agreement with Blackstone Contractors for maintenance of the stormwater filtration basins at the Minnehaha Preserve Enhancement Project, including stabilization and drain tile cleanout, in an amount not to exceed \$13,040.00.

**PROJECT/PROGRAM LOCATION:**

7250 Excelsior Boulevard, St. Louis Park

**PROJECT TIMELINE:**

- December 2016 – Authorize construction agreement and initiate maintenance activities
- April-May 2016 – Complete filtration drain tile cleanout
- 2017-2018 – Construct trail connection and parking area and ongoing vegetation maintenance

**PROJECT/PROGRAM COST:**

Fund name and number: Project Maintenance and Land Management - #2003

Current budget: \$20,000

Expenditures to date: \$423.74

Requested amount of funding: \$13,040 (base quote plus 10% contingency)

**PAST BOARD ACTIONS:**

- September 26, 2013 – Adoption of a policy regarding the use of District regional stormwater management facilities for regulatory compliance (13-098)
- February 27, 2014 – Authorization to enter into agreement with Wenck Associates for stormwater/corridor feasibility analysis in the Powell Road/Meadowbrook Road area and execute a letter of understanding with Japs-Olson Company (14-014)
- May 14, 2015 – Acceptance of Japs Olson-Minnehaha Greenway report and authorization to continue partnership development with Japs Olson Company (Board Action absent of RBA – passed 7-0)
- August 27, 2015 - Approval of permit 15-413 and authorization to enter into a cooperative agreement with Japs Olson Company and the City of St. Louis Park (15-071)

**SUMMARY:**

On August 27, 2015 the Board authorized the execution of a cooperative agreement with Japs Olson Company and the City of St. Louis Park for stormwater management related to the proposed redevelopment. This collaboratively developed stormwater management agreement provided a framework to address stormwater for the redeveloped area by utilizing two locations – the previous ApplianceSmart site (Japs Olson parking area) and the District’s planned facility at 325 Blake Road (Cold Storage).

The agreement obligated Japs Olson to construct the facility near their new parking area to District approved specifications, divert approximately four acres of non-regulatory drainage to the newly constructed facility, and convey the 3.67 acres of land containing the stormwater facilities and other restoration area, in fee, to the District.

In exchange, the District is responsible for operation and maintenance of the newly constructed facilities on the conveyed property, and will also accept the additional drainage from the western portion of the Japs Olson expansion (approximately seven acres) on the 325 Blake Road site.

The District has been monitoring the new facility throughout 2016 and has determined that minor stabilization modifications should be made to enhance performance and best protect the facility in the future. Above average precipitation levels resulted in velocities that created scour around the outfall as well as on the opposite side slope, causing minor sediment buildup within a concentrated area of the basin. This material will be excavated and used to reshape the damaged side slopes. The District will then install a redesigned rock dissipation and stabilization area that will protect the outfall, slow velocities as they enter the filtration area, and protect the opposite bank from future scour. Lastly, the underdrain (drain tile) will be cleaned out and recapped to prevent any debris or sediment from entering the system in the future.

With the winter season quickly approaching, and a desire to complete stabilization activities prior to deep freeze conditions, the District solicited quotes for the pond maintenance from three contractors, two of which submitted (see Attachment A for detailed scope of work):

Blackstone	Sunram
\$11,855.00	\$19,850.00

Staff recommends awarding the contract to Blackstone Contractors for maintenance and stabilization activities in the amount of \$11,855.00, and establish a not-to-exceed budget of \$13,040.00.

At the December 8, 2016 Board workshop staff will provide a brief presentation related to the Minnehaha Preserve Enhancement Project including additional information about the recommended maintenance as well as provide the Board with an update on the trail and parking area design.

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**DRAFT for discussion purposes only and subject to Board approval and the availability of funds.  
Resolutions are not final until approved by the Board and signed by the Board Secretary.**

## RESOLUTION

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**RESOLUTION NUMBER: 16-088**

**TITLE: Authorization to Enter into a Construction Contract for Maintenance of the Minnehaha Preserve Enhancement Project Stormwater Filtration Basin**

WHEREAS, the Minnehaha Creek Watershed District has identified the area between west 36<sup>th</sup> Street and Meadowbrook Lake as a priority area for capital improvements focused on stormwater management, greenspace expansion and increased recreational access; and

WHEREAS, the MCWD has been working in this area with the Cities of St. Louis Park and Hopkins, and with other public and private partners, to implement a series of strategic initiatives to restore, enhance and connect the Minnehaha Greenway; and

WHEREAS, on August 27, 2015, the District Board of Managers authorized execution of a stormwater management agreement with Japs Olson Company and the City of St. Louis Park that, in conjunction with Japs Olson's facility expansion:

- Facilitated regulatory required stormwater management for about 24 acres of Japs Olson's planned expansion and regional management for stormwater from Meadowbrook Road and about four acres of other previously untreated hard surface;
- Obligated Japs Olson to convey about 3.67 acres of land on the former ApplianceSmart site, in fee, to the District, which through vegetative restoration and other measures the District would integrate into the contiguous Minnehaha Preserve land;
- Obligated the District to accept stormwater from about seven acres of the Japs Olson expansion in its planned regional stormwater management facility at 325 Blake Road in the City of Hopkins.

WHEREAS, Japs Olson thereafter initiated its facility expansion work, which is in progress, and has subdivided its land and deeded to the District the 3.67 acres described in the stormwater management agreement, and the District is proceeding with the intended vegetation restoration work on that land and developing a design concept for the extension of public trails onto the property;

WHEREAS, based on recent inspections it was determined that minor stabilization modifications should be made to enhance performance and best protect the stormwater facility in the future; and

WHEREAS, District staff solicited quotes from three contractors for pond maintenance services for the Minnehaha Preserve Enhancement Project and has received quotes from two contractors, and Blackstone Contractors submitted a low quote of \$11,855.

NOW, THEREFORE BE IT RESOLVED that the District Administrator is authorized, on advice from District Counsel, to enter into a contract with Blackstone Contractors in the amount of \$11,855 for the Minnehaha Preserve Enhancement Project stormwater filtration basin maintenance and that the Board establishes a project maintenance budget in the not-to-exceed amount of \$13,040 and authorizes the District Administrator, in his judgement, to authorize change orders obligating the District up to that amount.

Resolution Number 16-088 was moved by Manager \_\_\_\_\_, seconded by Manager \_\_\_\_\_.  
Motion to adopt the resolution \_\_\_ ayes, \_\_\_ nays, \_\_\_ abstentions. Date: \_\_\_\_\_.

\_\_\_\_\_  
Secretary Date: \_\_\_\_\_

## Scope of Work Report

November 16, 2016

### Minnehaha Preserve Enhancement Project – Pond Maintenance

1. **PURPOSE:** Conduct maintenance activities at recently installed stormwater filtration basins including repair of scour and erosion, removal of sediment deposition, installation of geotextile, riprap and erosion control, and drain tile cleanout and cap replacement.
2. **GENERAL BACKGROUND:** The Minnehaha Creek Watershed District (MCWD) partnered with Japs Olson to construct stormwater filtration basins in an effort to improve wetland and ecologic qualities in the Minnehaha Creek subwatershed and to integrate the site into the adjacent ecologically restored area on the District property (Minnehaha Preserve). The subject property was recently donated to the MCWD, which is responsible for maintenance of the stormwater facilities and site restoration.

3. **SITE DESCRIPTION:**

- 3.1 **MINNEHAHA PRESERVE ENHANCEMENT PROJECT**

**Subject Property Address:** 7250 Excelsior Blvd, St. Louis Park MN 55426

This address has been provided as a general location and is not the legal description. Subject property contains multiple parcels that recently went through a land transfer and boundary adjustment. Refer to Appendix A for more detail.

**Background:** Site restoration began in August 2015 and included demolition of the former industrial complex, mitigation of contaminated soils, construction of a new surface parking lot and construction of stormwater filtration basins. The subject property is approximately 3.67 acres and contains three stormwater basins – one pretreatment basin and two filtration basins. This contract is specific to maintenance that will occur within the two filtration basins (Appendix A).

**Recent Management:** Upon completion of construction of the stormwater facilities, in November 2015 the site was seeded, stabilized and began accepting local drainage. Throughout 2016 additional plantings and vegetative management occurred around pond side slopes and in upland areas. Since construction activities ended no management has occurred within the subject filtration basins.

**Existing Conditions:** The original construction plan set is attached as Appendix B for reference and is generally indicative of the existing conditions with the exception of the issues needing to be addressed through this maintenance contract (see section 3.1.1). The filtration basins have been accepting runoff since construction ended in November 2015. The bottoms of the basins were not seeded and consist of a sand filtration media covered with a heavy layer of shredded hardwood mulch. Note that these are filtration basins and have a 30 mil. liner installed underneath the full extent of the basins. CONTRACTOR must take extreme caution as to not rupture this membrane when conducting work in and along the side slopes of the basins. CONTRACTOR must

also take great care to not compact the filtration media when conducting excavation activities and drain tile clean out.

#### **Site Standards:**

##### **3.1.1 MINNEHAHA PRESERVE ENHANCEMENT PROJECT DELIVERABLES (CONTRACT SERVICES):**

MCWD will contract the services of a CONTRACTOR to complete a number of task items (detailed below):

- a) **Excavate sediment at outlet and reshape slopes:** Flow velocities of stormwater entering the primary filtration basin has resulted in scour occurring around the outfall as well as on the opposite side slope, causing sediment buildup within a concentrated area of the basin (near the outfall). Remove this sediment and utilize the material to reshape the scouring areas of the basin – outfall and on opposite side slope. MCWD staff will provide field direction as needed.
- b) **Increased rock stabilization of outfall pipe:** Upon completion of side slope reshape, install Geotextile Type IV (for beneath riprap) and install Class III riprap (no limestone) around the entirety of the pipe outfall. Current conditions are not adequate to protect the outfall. Upon completion of this task, all areas surrounding the pipe should be protected from flow velocities that could compromise outfall. MCWD staff will provide field direction as needed.
- c) **Complete additional site stabilization where disturbance occurs:** All areas that have been disturbed due to reshaping should be dormant seeded with the specified mix – State seed mix 33-261 – and covered with Category 1 erosion control blanket. MCWD staff will provide field direction as needed.
- d) **Conduct drain tile cleanout and Reinstall drain tile cleanout caps (bolt, pin or clip):** Due to a minor malfunction of drain tile cleanout caps, and a season of relatively high water levels, it is expected that sediment and debris was able to enter the drain tile pipe. The full extent of drain tile within both basins should be blown out to ensure that the drain tile is functioning appropriately. The CONTRACTOR should determine a simple mechanism for catching sediment and debris at each drain tile outlet. Also included in this work, the drain tile cleanout caps in both filtration basins were not properly secure during construction and have dislodged from the pipe. Locate the caps within the basin and reinstall with a securing mechanism (bolt, pin, clip) that ensures the caps cannot come off under future flow conditions. Work with MCWD staff to determine best method for securing.

#### **4. ASSUMPTIONS:**

- a) MCWD project manager will work with the CONTRACTOR to provide field guidance on overall extent of work.
- b) Attachment A identifies site access and construction limits. Access to the site will be limited to the newly constructed parking lot. CONTRACTOR will take great care in not damaging the parking lot when accessing the site.
- c) Quantities provided in the quote sheet are approximate. MCWD and the CONTRACTOR will work closely to ensure all work is completed to expectations and CONTRACTOR is compensated based on implementation.
- d) CONTRACTOR will participate in a preconstruction meeting and must appropriately coordinate with MCWD prior to commencement of any work.
- e) Due to the nature of the site and the type of work, light equipment is preferred and recommended in order to complete the maintenance activities with the least amount of impact.

5. APPENDIX:
  - APPENDIX A: Site Plan
  - APPENDIX B: Original Construction Drawings
  - APPENDIX C: Contract Template
  - APPENDIX D: Quote Sheet

6. SUBMITTING QUOTE:

**Quote Due Date: Wednesday, November 30, 2016 at 12:00 pm.** Please submit a completed Quote Sheet (Appendix D) to Michael Hayman at [mhayman@minnehahacreek.org](mailto:mhayman@minnehahacreek.org). Emailed quotes are acceptable.