

## RESOLUTION

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RESOLUTION NUMBER: 15-028

**TITLE:** Authorization to Award Contract for Construction and Construction Oversight Contract for the Powell Road Stormwater Diversion Project

WHEREAS, The Minnehaha Creek Watershed District (MCWD) has adopted a *Comprehensive Water Resources Management Plan (WRMP)* in accordance with Minnesota Statutes §103B.231;

WHEREAS, the District's *Water Resources Management Plan* includes a Land Conservation Program;

WHEREAS, the WRMP capital improvement program includes the Minnehaha Creek Volume and Load Reduction project, which encompasses the construction of stormwater facilities to manage stormwater from the developed contributing area that presently discharges into Reaches 19-21 of the creek without volume control or water quality treatment;

WHEREAS, the WRMP established Minnehaha Creek as a key conservation area with goals of collaborating to create and preserve natural stream corridors, provide buffers, supplement other program activities, increase stormwater runoff abstraction, provide flood control, and promote public education and access;

WHEREAS, the WRMP provides that the Land Conservation Program will help accomplish these goals by connecting or expanding existing public lands, undertaking a restoration project, or by leveraging redevelopment opportunities, and further provides for capital spending within the Minnehaha Creek corridor (e.g., 5.8.2 and 5.8.5) to restore streambank stability and reduce stormwater volumes and nutrient *loading* to the creek, including construction of infiltration basins and devices, wetland restoration, reforestation, revegetation, and stormwater detention;

WHEREAS, the Board of Mangers adopted a policy "In Pursuit of a Balanced Urban Ecology in the Minnehaha Creek Watershed District" to guide the MCWD's planning and watershed management activities, integrating its water resource implementation efforts with urban planning, through innovation, partnership and a sustained geographic focus;

WHEREAS, the Minnehaha Creek/Lake Hiawatha Total Maximum Daily Load Study identified the area between West 34<sup>th</sup> Street and Meadowbrook Lake as generating the highest pollutant load per unit area when compared to other reaches of Minnehaha Creek;

WHEREAS, the MCWD established the area between West 34<sup>th</sup> Street and Meadowbrook Lake as a priority area for capital project improvements, aimed at stormwater improvement and streambank restoration;

WHEREAS, in 2011 the District acquired property at 325 Blake Road for the purposes of stream restoration, stormwater management, corridor improvements, public land expansion and redevelopment opportunities;

WHEREAS, the planned improvements at 325 Blake Road are part of a larger comprehensive effort to manage regional stormwater and improve the riparian corridor that includes Methodist Hospital, Reach 20, 7630 Excelsior Blvd, Cottageville Park and Knollwood Mall;

- WHEREAS, the Board of Managers reviewed the feasibility analysis and associated technical and financial information regarding the project for a regional stormwater project at 325 Blake Road in the Minnehaha Creek Subwatershed, which examines the feasibility of collecting and managing stormwater discharging to the creek within Reaches 19-21 and considered all input received from interested parties during the course of review;
- WHEREAS, in accordance with Minnesota Statutes § 103B.251, subdivision 3, the MCWD held a duly noticed public hearing on ordering of the Project on June 27, 2013, at which time all interested parties had the opportunity to speak for and against the Project;
- WHEREAS, the City of Hopkins City Council adopted a resolution of support for the project at its July 9, 2013 Council meeting;
- WHEREAS, the City of St. Louis Park City Council adopted a resolution of support for the project on September 3, 2013;
- WHEREAS, pursuant to Minnesota Statutes § 103B.251 and the WRMP, the MCWD Board of Managers ordered the 325 Blake Road Stormwater Management Project, with a total estimated cost of \$2,747,100;
- WHEREAS, based on further design analysis and details the preliminary total cost estimate for the three phases of the 325 Blake Road project as provided in the 2014 project work plan is \$3,531,500 and the current Powell Road diversion engineers estimate based on the final design is \$948,330;
- WHEREAS the Board of Managers authorized District staff to submit a Point Source Implementation Grant (PSIG) application to the Public Facilities Authority whereas under the complete application the District is eligible for 50% of approved project costs up to \$3-Million;
- WHEREAS, the District is pursuing additional outside funding sources including the Department of Employment and Economic Development and partnership opportunities with the Metropolitan Council and others to offset capital construction costs;
- WHEREAS, the Board of Managers authorized an agreement and easement with the affected landowner of 8050 Powell Road, St. Louis Park and 8098 Excelsior Blvd, Hopkins, to provide for access and permanent rights over the project area to construct, maintain, and repair the project for total payment from the Watershed District to the landowner of \$77,800, site grading work which coincides with District construction activities as in kind payment valued at \$16,800, and use of District's stormwater facilities at 325 Blake Road to satisfy MCWD stormwater management rule requirements if the landowner elects to pave the improved graded areas, and authorized the following to implement the agreement:
1. The Board President may sign the agreement to convey the project easement for 8050 Powell Road, St. Louis Park and 8098 Excelsior Boulevard, Hopkins
  2. Initial payment to the landowner of \$38,900;
  3. The District Administrator may evaluate agreement contingencies, decide whether to complete the easement transaction within 120 days and, if so, to tender payment of the second \$38,900 to the landowner
  4. The Board President may sign, accept, and record the easement at 8050 Powell Road, St. Louis Park and 8098 Excelsior Boulevard, Hopkins;



WHEREAS Board of Managers approved an additional project easement at no cost, for additional land the landowner recently acquired from Soo Line Railroad contiguous to his northern boundary and below which the project crosses;

WHEREAS, Soo Line Railroad Company, doing business as Canadian Pacific, has provided Utility Occupancy License No. 4316301 to construct the project which has been accepted by the Board;

WHEREAS, environmental due diligence was a contingency of the easement agreement, has been completed by the District engineer, and in accordance with the recommendation of the District engineer does not identify concerns that measurably affect estimated project cost or liability risk or affect project feasibility;

WHEREAS, On October 23, 2014 the Minnehaha Creek Watershed District Board of Managers approved the 90% design for the Powell Road stormwater diversion project and authorized staff to complete the design consistent with the 90% design and technical comments from the City of Hopkins, City of St. Louis Park and the PSIG review, which comments do not materially affect the current engineers cost estimate;

WHEREAS, The Board of Managers approved Cooperative Agreements with the City of St. Louis Park and the City of Hopkins for the operation, maintenance and authorization of the new infrastructure and authorized the District Administrator, on advice of Counsel to execute the agreements;

WHEREAS, The design was completed in accordance with the 90% design and final design was formally approved by the City of Hopkins, City of St. Louis Park pursuant to the respective cooperative agreements, and the final design was approved by the Minnesota Pollution Control Agency as part of the PSIG review process;

WHEREAS, On October 23, 2014 the Board of Manager authorized the District Administrator to solicit public bids for construction;

WHEREAS, the District received three bid proposals for the project and Minger Construction submitted the low, responsive bid, and is determined by the Board of Managers, on the basis of recommendations of District staff and engineer, to be a responsible bidder;

WHEREAS, the solicitation included an alternate bid for additional work on the Optimistic LLC property, which the District has determined will not be included in the work;

NOW, THEREFORE, BE IT RESOLVED, the MCWD Board of Managers authorizes the contract award for construction to Minger Construction; and

BE IT FURTHER RESOLVED that the MCWD Board of Managers authorizes the Administrator to execute a construction contract for the Powell Road Stormwater Diversion Project, authorizes the Base Bid work for the total amount of \$798,014.00, and directs that the Administrator return and otherwise administer bid bonds in accordance with the terms of the request for bids; and

BE IT FURTHER RESOLVED that the MCWD Board of Managers establishes a project construction budget in the not-to-exceed amount of \$877,815.00 and authorizes the District Administrator, in his judgment and on the recommendation of the construction manager, to authorize change orders obligating the District up to that aggregate amount; and

BE IT FURTHER RESOLVED that the MCWD Board of Managers authorizes the Administrator to issue a formal notice to proceed to Minger Construction in accordance with the terms of this resolution on advice of counsel, receipt of a signed contract and required bonds and insurance documentation; and

BE IT FINALLY RESOLVED that the MCWD Board of Managers authorizes the Administrator, on advice of counsel, to enter into a contract for construction oversight with Wenck Associates for the amount of \$54,150.00.

Resolution Number 15-028 was moved by Manager MILLER, seconded by Manager CASALE.  
Motion to adopt the resolution 7 ayes, 0 nays, \_\_\_ abstentions. Date: March 26, 2015.

Casale  
Secretary

## Minnehaha Creek Watershed District

## REQUEST FOR BOARD ACTION

**MEETING DATE:** March 26, 2015

**TITLE:** Authorization to Award Contract for Construction and Construction Oversight Contract for the Powell Road Stormwater Diversion Project

**RESOLUTION NUMBER:** 15-028

**PREPARED BY:** Renae Clark

**E-MAIL:** rclark@minnehahacreek.org

**TELEPHONE:** 952-641-4510

**REVIEWED BY:** ☐ Administrator ☒ Counsel ☐ Program Mgr. \_\_\_\_\_  
☐ Board Committee ☐ Engineer ☐ Other

### WORKSHOP ACTION:

- |   |   |
|---|---|
| <input type="checkbox"/> Advance to Board mtg. Consent Agenda. action.          | <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</u></b> |   |

### PURPOSE or ACTION REQUESTED:

Final action is requested on March 26, 2015 to award the construction contract for the Powell Road Stormwater Diversion Project to Minger Construction, to authorize the work for the amount of \$798,014.00, to establish a construction budget for the not to exceed amount of \$877,815.00 and authorize the construction oversight contract to Wenck Associates for \$54,150.00.

### PROJECT/PROGRAM LOCATION:

Powell Road ROW in St. Louis Park and Hopkins, 8050 Powell Road, St. Louis Park and 8098 Excelsior Blvd, Hopkins

### PROJECT TIMELINE:

December 2012-May 2013	Project Feasibility
June 2013	Community Informational Meeting and Public Hearing
July 2013	Project Ordering
October 2014	Complete design and specifications for Powell Road diversion
November 2014	Submit final plans and specifications to MPCA for technical review for PSIG
February – March 2015	Solicit bids for construction
April – October 2015	Construction

### PROJECT/PROGRAM COST:

Fund name and number: Blake Road Stormwater Management, 3145  
Current fund balance: \$876,646, 2015 Levy \$200,000 = \$1,078,646  
Requested amount of funding: N/A  
Is a budget amendment requested? No

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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.**



Is additional staff requested? No

#### Funding Discussion:

The total estimate for the 325 Blake Road Stormwater Management Project, based on information from the feasibility study at the time of project ordering in 2013, was \$2,747,100. As pursuant to the 2014 project workplan the total project cost estimate was revised to be \$3,531,500. The Powell Road stormwater diversion project element was budgeted and levied for \$1,132,300 based on the best available design and cost information. The project budget requested with this resolution is \$877,815 with includes a 10% construction contingency. The recommended construction oversight contract is \$54,150.

The Board has previously directed staff to explore means to defray project costs. On July 31, 2014 the Board of Managers authorized staff to submit a Point Source Implementation grant (PSIG) application to Minnesota Public Facilities Authority (PFA). The PSIG program (Minnesota Statutes, Section 446A.073 as amended) provides 50% of eligible project costs up to \$3-million, for wastewater or stormwater projects that have been ranked on the Project Priority List. The District's first PSIG funding application for the competitively ranked 325 Blake Road Stormwater project is for two phases of the 325 Stormwater Management Project (Powell Road and Lake Street diversions). Application for additional funding towards final implementation of the 325 Blake Road Stormwater project will occur in subsequent years, as project schedule dictates. The MPCA has provided certification of as-bid construction costs of the full bid amount. Final disbursement of funds is contingent execution of the Funding Agreement which has been previously authorized by the Board of Managers.

#### PAST BOARD ACTIONS:

- September 22, 2011 - RBA 11-085: Authorization to Purchase 325 Blake Road
- August 23, 2012 – RBA 12-080: Authorization to initiate feasibility
- June 13, 2013 – Review Draft Feasibility: No Action Required
- June 27, 2013 – Public Hearing for Ordering: No Action Required
- July 25, 2013 – RBA 13-078: Ordered 325 Blake Road Stormwater Management Project Authorized staff to solicit project design services
- April 24, 2014 – RBA 14-029: Authorization to award a design contract to Wenck Associates for a not to exceed amount of \$88,000 for 325 Blake Road Stormwater Management Project: Powell Road Pipe Diversion
- June 26, 2014 – RBA 14-052: Authorization to enter into easement agreement, 8050 Powell Road/8098 Excelsior Boulevard
- July 31, 2014 – RBA 14-060: Authorization to submit Point Source Implementation grant application to Minnesota Public Facilities Authority (PFA)
- August 28, 2014 – RBA 14-067: Acceptance of Soo Line Rail License
- September 11, 2014 – Powell Road Project Design Update: No Action Required
- October 23, 2014 – RBA 14-086: Final Approval of Powell Road Stormwater Diversion Project Design, City of Hopkins and St. Louis Park Project Agreements, Project Easement, MCWD Permit and Authorization to Solicit Bids for Construction

#### SUMMARY:

The Powell Road stormwater diversion project is part of a suite of projects to provide regional stormwater management on the District's property at 325 Blake Road in Hopkins as described below. A 216.9 acre drainage area south of 325 Blake Rd. will be captured and diverted on Powell Road through a new storm sewer which crosses private property and will be tunneled under the existing railroad to 325 Blake Rd. The project will use a weir within a constructed manhole to divert low flows, accounting for 95% of the 1 inch rain event, through the new diversion pipe to a future regional stormwater facility. Prior to the construction of the regional facility, flows will be controlled using a notch in the weir. When the regional system comes online, the notch in the weir will be brought to design elevation with stop logs and the stop logs will be permanently secured.

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The new storm sewer diverted on Powell Road will cross private property at the location of 8050 Powell Road, St. Louis Park and 8098 Excelsior Blvd, Hopkins owned by Alex Ugorets. To construct the project the District requires a temporary and permanent construction easement. On June 26, 2014 the Board approved an agreement for an easement with the property owner and the agreement thereafter was signed by the parties. The agreement allowed the District an option to execute and record a project easement based on a satisfactory outcome of two contingencies which included completion of environmental due diligence and obtaining the right to install the new storm sewer on rail right-of-way. The Board found the License Agreement from Soo Line Rail Company, doing business as Canadian Pacific, acceptable and authorized the District administrator to sign the License Agreement with any further adjustments to the benefit of the District, since which have been agreed to by the parties. Environmental due diligence has been completed and there is no indication of special soil disposal requirements or other existing environmental contamination factors that might increase project costs or District liability risk, or make the project not feasible. Since the time of the easement agreement, Mr. Ugorets has purchased a 30 foot wide parcel contiguous to the northern boundary line of his property, previously under Soo Line ownership. Mr. Ugorets agreed to provide an easement for crossing this area at no additional cost to the District which the Board has authorized and which has been executed.

The project is located within the Cities of Hopkins and St. Louis Park. The District has executed Cooperative Agreements with both Cities. Pursuant to the Cooperative Agreements, the stormwater diversion system will be operated and maintained by the City of Hopkins. Final approval of design has been provided by both cities.

The public bid process was open for three weeks – February 17, 2015 thru March 13, 2015 – with a mandatory pre-bid meeting being held on March 3, 2015. The District received three bid proposals (tabulation attached). The requested Board action is to award the construction contract for the Powell Road Stormwater Diversion Project to Minger Construction, to authorize the work for the amount of \$798,014.00, to establish a construction budget for the not to exceed amount of \$877,815.00 and authorize a construction oversight contract with Wenck Associates for \$54,150.00. The engineer's construction estimate was \$960,830.00.

#### **BACKGROUND:**

Through the Minnehaha Creek Watershed District's Balanced Urban Ecology Policy the District recognizes the integrated relationship of water resources and the built environment and that water resources implementation is strengthened by collaborative efforts. This framework reinforces the District's commitment to integrating its water resource implementation efforts with urban planning, through innovation, partnership and a sustained geographic focus.

The District has focused strategically on a portion of the Creek system most in need, between West 34<sup>th</sup> Street and Meadowbrook Lake referred to as the Urban Creek Corridor. The Minnehaha Creek/Lake Hiawatha Total Maximum Daily Load Study identified this area as generating the highest pollutant load per unit area when compared to other reaches of Minnehaha Creek.

The 325 Blake Road parcel in the City of Hopkins was purchased by the District in 2011 and is located in the heart of this priority project area for the Minnehaha Creek Watershed District. The site is 16.8-acre and currently houses a cold storage warehouse. The parcel was strategically acquired by MCWD for purposes of expanding the riparian greenway around Minnehaha Creek and improving area wide stormwater management. The portion of the parcel not required to fulfill these purposes will be sold for redevelopment, which will allow the District to recover a significant portion of its initial investment. The site represents one piece of the District's larger strategic initiative to (1) improve the quality and manage the quantity of stormwater runoff; (2) enhance the ecological integrity of the stream system; and (3) facilitate broader community goals of public partners including economic development and livability by allowing the restored stream system to be integrated into the developed landscape.

Approximately 329.8 acres of land surrounding 325 Blake Road currently drains to Minnehaha Creek, most of which goes untreated. The July 2013 Feasibility Study evaluated options to capture as much "first flush" stormwater runoff from the surrounding watersheds as possible. The Study indicated that phosphorus loads can be reduced 70 to 90 percent by infiltrating and filtering the runoff from the 0.5-inch to 1.25-inch rain events. Analysis of the storm sewer networks concluded that that low flow drainage from approximately 268.3 acres could feasibly be diverted to a treatment facility at 325 Blake Road.

In July 2013 the Board ordered a capital project comprising a suite of phased projects to accomplish regional stormwater management at 325 Blake Road which includes two primary storm sewer diversions, pre demolition work at 325 Blake Road and a regional stormwater treatment area to be located at 325 Blake Rd. The Board authorized pre demolition planning in January 2014 and project design of the Powell Road storm sewer diversion in April 2014.

These projects are planned for phased implementation. Accordingly, the Powell Road Diversion is planned to be constructed in 2015. The Lake Street Diversion is expected to be designed and constructed in 2016 to coincide with Met Council's sewer project. Finally, the facilities on 325 Blake Road will be designed and constructed in coordination with site demolition in 2017.

**ATTACHMENTS:**

1. Bid Tabulation
2. Wenck Associates Construction Oversight Proposal



POWELL ROAD STORM WATER DIVERSION PROJECT  
 BID TAB  
 Minnehaha Creek Watershed District

March 13, 2015

Item No.	Item Description	Unit	Quantity	ENGINEER'S ESTIMATE		MINGER CONSTRUCTION		NEW LOOK CONTRACTING		MEYER CONTRACTING	
				BASE BID		BASE BID		BASE BID		BASE BID	
				Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
1	MOBILIZATION & DEMOBILIZATION	LS	1	\$ 45,800.00	\$ 45,800.00						
2	TRAFFIC CONTROL	LS	1	\$ 5,000.00	\$ 5,000.00						
3	CLEAR AND GRUB TREE	TREE	2	\$ 700.00	\$ 1,400.00						
4	REMOVE STORM SEWER PIPE/CULVERT	LF	660	\$ 10.00	\$ 6,600.00						
5	REMOVE CONCRETE ABUTMENT	EA	2	\$ 750.00	\$ 1,500.00						
6	REMOVE STORM SEWER STRUCTURE	EA	1	\$ 750.00	\$ 750.00						
7	REMOVE CONCRETE CURB & GUTTER	LF	300	\$ 10.00	\$ 3,000.00						
8	REMOVE CONCRETE PAVEMENT	SY	100	\$ 15.00	\$ 1,500.00						
9	REMOVE BITUMINOUS PAVEMENT	SY	2300	\$ 8.00	\$ 18,400.00						
10	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	1650	\$ 6.00	\$ 9,900.00						
11	SALVAGE AND REINSTALL SIGN	EA	3	\$ 200.00	\$ 600.00						
12	SALVAGE AND REINSTALL STORM SEWER STRUCTURE	EA	1	\$ 5,000.00	\$ 5,000.00						
13	SALVAGE AND REINSTALL FENCE	LF	400	\$ 20.00	\$ 8,000.00						
14	SALVAGE AND RESPREAD TOPSOIL	LS	1	\$ 3,500.00	\$ 3,500.00						
15	SALVAGE AND RESPREAD GRAVEL SURFACING	LS	1	\$ 18,000.00	\$ 18,000.00						
16	TEMPORARY CAPS AT DIVERSION STRUCTURE	LS	1	\$ 2,000.00	\$ 2,000.00						
17	TEMPORARY CAPS AT STIM#2	LS	1	\$ 2,000.00	\$ 2,000.00						
18	COMMON EXCAVATION ON-SITE - GRADING (EV)	CY	887	\$ 10.00	\$ 8,870.00						
19	COMMON EXCAVATION - OFFSITE (LV)	CY	500	\$ 25.00	\$ 12,500.00						
20	COMMON EXCAVATION - EXPORT CONTAMINATED MATERIAL (LV)	CY	100	\$ 60.00	\$ 6,000.00						
21	COMMON BORROW (LV)	CY	100	\$ 35.00	\$ 3,500.00						
22	BITUMINOUS MATERIAL FOR TACK COAT	GAL	150	\$ 10.00	\$ 1,500.00						
23	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	300	\$ 140.00	\$ 42,000.00						
24	TYPE SP 12.5 NON-WEARING COURSE MIXTURE (3,C)	TON	350	\$ 130.00	\$ 45,500.00						
25	SALVAGE AND REINSTALL AGGREGATE BASE	TON	800	\$ 20.00	\$ 16,000.00						
26	AGGREGATE BASE CLASS 5, 10% CRUSHED	TON	650	\$ 30.00	\$ 19,500.00						
27	CONNECT TO EXISTING STORM SEWER PIPE	EA	6	\$ 750.00	\$ 4,500.00						
28	CONNECT PIPE TO EXISTING STORM SEWER STRUCTURE	EA	1	\$ 750.00	\$ 750.00						
29	12" PVC SDR 26 STORM SEWER PIPE	LF	167	\$ 50.00	\$ 8,350.00						
30	15" PVC SDR 26 STORM SEWER PIPE	LF	235	\$ 60.00	\$ 14,100.00						
31	24" PVC SDR 26 STORM SEWER PIPE	LF	139	\$ 90.00	\$ 12,510.00						
32	24" PVC SDR 26 FITTINGS - 45 DEG BENDS	EA	2	\$ 1,000.00	\$ 2,000.00						
33	36" RC PIPE SEWER CLASS IV	LF	1114	\$ 150.00	\$ 167,100.00						
34	36" RC SAFETY APRON AND GRATE	EA	1	\$ 3,500.00	\$ 3,500.00						
35	PIPE JACKING 36" STEEL CASING	LF	244	\$ 750.00	\$ 183,000.00						
36	INTERIOR EPOXY COATING FOR 36" STEEL CASING	LF	244	\$ 200.00	\$ 48,800.00						
37	4" DIAMETER STORM SEWER MANHOLE	EA	4	\$ 3,500.00	\$ 14,000.00						
38	9" DIAMETER STORM SEWER MANHOLE	EA	1	\$ 5,000.00	\$ 5,000.00						
39	8" DIAMETER STORM SEWER MANHOLE	EA	2	\$ 6,500.00	\$ 13,000.00						
40	7" DIAMETER STORM SEWER MANHOLE	EA	2	\$ 9,000.00	\$ 18,000.00						
41	8" DIAMETER STORM SEWER MANHOLE	EA	2	\$ 12,000.00	\$ 24,000.00						
42	DIVERSION STRUCTURE	LS	1	\$ 85,000.00	\$ 85,000.00						
43	WOODY STORM STRUCTURE	EA	5	\$ 500.00	\$ 2,500.00						
44	WATERMAIN OFFSET	EA	1	\$ 5,000.00	\$ 5,000.00						
45	ADJUST EXISTING VALVE BOX	EA	1	\$ 500.00	\$ 500.00						
46	ADJUST EXISTING CASTING	EA	1	\$ 500.00	\$ 500.00						
47	CONCRETE CURB & GUTTER DESIGN 9818	LF	300	\$ 25.00	\$ 7,500.00						
48	8" CONCRETE DRIVEWAY APRON	SF	600	\$ 12.00	\$ 9,600.00						
49	EROSION CONTROL	LS	1	\$ 10,000.00	\$ 10,000.00						
50	COMMON TOPSOIL BORROW (LV)	CY	250	\$ 40.00	\$ 10,000.00						
51	SEEDING TYPE LAWN	SY	1700	\$ 10.00	\$ 17,000.00						
SUBTOTAL				\$ 960,830.00		\$ 798,014.00		\$ 927,362.50		\$ 958,564.20	

ALTERNATE - JAPS-OLSON

Item No.	Item Description	Unit	Quantity	ENGINEER'S ESTIMATE		MINGER CONSTRUCTION		NEW LOOK CONTRACTING		MEYER CONTRACTING	
				ALTERNATE BID		ALTERNATE BID		ALTERNATE BID		ALTERNATE BID	
				Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
A-1	REMOVE BITUMINOUS PAVEMENT	SY	250	\$ 8.00	\$ 2,000.00						
A-2	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	300	\$ 6.00	\$ 1,800.00						
A-3	ABANDON STORM SEWER PIPE	LF	155	\$ 25.00	\$ 3,875.00						
A-4	COMMON EXCAVATION - OFFSITE (EV)	CY	50	\$ 25.00	\$ 1,250.00						
A-5	BITUMINOUS MATERIAL FOR TACK COAT	GAL	15	\$ 10.00	\$ 150.00						
A-6	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	35	\$ 140.00	\$ 4,900.00						
A-7	TYPE SP 12.5 NON-WEARING COURSE MIXTURE (3,C)	TON	35	\$ 130.00	\$ 4,550.00						
A-8	SALVAGE AND REINSTALL AGGREGATE BASE	TON	100	\$ 20.00	\$ 2,000.00						
A-9	AGGREGATE BASE CLASS 5, 10% CRUSHED	TON	100	\$ 30.00	\$ 3,000.00						
A-10	CONNECT EXISTING STORM SEWER PIPE TO STRUCTURE	EA	2	\$ 750.00	\$ 1,500.00						
A-11	CONNECT PIPE TO EXISTING STORM SEWER STRUCTURE	EA	1	\$ 750.00	\$ 750.00						
A-12	12" RC PIPE STORM SEWER CLASS III	LF	135	\$ 60.00	\$ 8,100.00						
A-13	4" DIAMETER STORM SEWER MANHOLE	EA	1	\$ 3,500.00	\$ 3,500.00						
A-14	ADJUST EXISTING CASTING	EA	1	\$ 500.00	\$ 500.00						
A-15	COMMON TOPSOIL BORROW	CY	15	\$ 40.00	\$ 600.00						
A-16	SEEDING TYPE LAWN	SY	60	\$ 10.00	\$ 600.00						
SUBTOTAL ALTERNATE				\$ 39,075.00		\$ 28,255.00		\$ 32,462.50		\$ 31,030.75	

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## PROPOSAL

**TO:** Renae Clark, Projects Manager, Minnehaha Creek Watershed District  
James Wisker, Director of Planning, Projects & Land Conservation  
Minnehaha Creek Watershed District

**FROM:** Chris Meehan, P.E. CFM

**DATE:** March 19, 2015

**SUBJECT:** Powell Road Diversion Construction Oversight

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### Scope of Work

In the interest of expanding greenspace within the riparian corridor of Minnehaha Creek and exploring stormwater management that exceeds regulatory requirements, the Minnehaha Creek Watershed District (MCWD) is preparing to install a stormwater diversion structure and pipe which will route storm water to 325 Blake Road for treatment. This project is a component of the Urban Corridor Initiative which is targeted at addressing storm water quality, creating greenspace and outdoor experience opportunities for watershed residents.

The objective of this scope of work will be to complete construction management services for installation of the diversion structure and pipe. Construction management series for the project will consist of assisting the District with on-site oversight, contract administration services, field engineering, contaminant sampling, shop drawing review and development of as-builts.

Wenck assumes it will complete the following tasks in collaboration with the District to ensure proper construction of the project:

- Provide Construction Management Services including: pay request processing, pre-construction meeting, shop drawing review specified for the engineer, as-built development and project closeout
- On-site services including: Field engineering specified for the engineer, completing on-site sampling as part of the environmental monitoring, establishing site survey needs designated for the Engineer and site coordination and field meetings as requested by the District.
- Wenck construction observation will include:
  - Storm Sewer
  - Grading
  - Diversion Structure Installation
  - Asphalt Removal/Placement
  - Concrete Removal/Placement



The scope of work envisioned for completion of these services is described as a series of tasks (attached below). Each task includes the expected minimum level of effort using the most efficient discounted hourly rates that are currently used by MCWD along with direct expenses covering, mileage, survey equipment, etc.

The deliverables for this project will be on-site oversight, contract administration services, environmental monitoring, field engineering, development of as-builts and materials review for the construction of the Powell Road Diversion structure and pipe.

The estimated costs of the project study will occur over an approximate 4-6 month period and are detailed in the table below:

Task #	Sub		District Engineer	Sr. Proj. Eng.	Project Eng.	GIS	CADD	Survey/ Field Staff	Clerical	Total		Task Subtotal
Task #		FEE/Hr. Rate	\$175	\$155	\$125	\$100	\$125	\$100	\$100		Expenses	
1.0		Construction Management										
	1.1	Coordination and Field Meetings	8		24					\$ 4,400	\$ 200	\$ 4,600
	1.2	Field Survey						12		\$ 1,200	\$ 75	\$ 1,275
	1.3	Environmental Monitoring	4					100		\$ 10,700	\$ 750	\$ 11,450
	1.4	Pre-Construction Meeting	2		2					\$ 600	\$ 50	\$ 650
	1.5	Pay Request Processing			16				5	\$ 2,500	\$ -	\$ 2,500
	1.6	Material Submittal Review	1		16					\$ 2,175	\$ -	\$ 2,175
	1.7	Construction Oversight	16		16			200		\$ 24,800	\$ 1,300	\$ 26,100
	1.8	Project Closeout	1		4			8	4	\$ 1,875	\$ 25	\$ 1,900
	1.9	Obtain record information from field representatives			6					\$ 750	\$ -	\$ 750
	1.10	Prepare record drawings	1		2		12			\$ 1,925	\$ 100	\$ 2,025
	1.11	Submit copies of record drawings to City	1		4					\$ 675	\$ 50	\$ 725
		Person-hours	34	0	90	0	12	320	9			
												TOTAL ESTIMATED FEE FOR SERVICES \$54,150

