# Minnehaha Creek Watershed District

TITLE: Authorization of Cost Share Funding- Cedar-Isles-Dean Neighborhood Association

# **RESOLUTION NUMBER: 14-054**

PREPARED BY: Brett Eidem, Cost Share Specialist

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|---------------|---------------------------------------|-------------------------|----------------------|-----------------------------------|
| REVIEWED BY   | : □Administrator<br>□ Board Committee | ⊠ Counsel<br>□ Engineer | ⊠ Program<br>□ Other | Mgr. (Name): <u>Telly Mamayek</u> |
| WORKSHOP A    | CTION:                                |                         |                      |                                   |

| ☑ Advance to Board mtg. Consent Agenda. | $\Box$ Advance to Board meeting for discussion prior to action. |
|---|---|
| □ Refer to a future workshop (date):    | Refer to taskforce or committee (date):                         |
| □ Return to staff for additional work.  | $\Box$ No further action requested.                             |
| Other (specify):                        |   |
|   |   |

## PURPOSE or ACTION REQUESTED:

- 1. Authorize funding of 50 percent of the documented cost of the project, not to exceed \$9,362.50 from the Cost Share Fund, for the installation of 10 stormwater BMPs, contingent on a signed grant agreement and signed maintenance agreements that include a landscape design plan that is mutually agreed upon by the grant recipient, property owners and District staff.
- 2. Authorize the Administrator to execute and sign a Cost Share funding agreement with the Cedar-Isles-Dean Neighborhood Association and execute maintenance agreements between the District and the owners of the property where the BMP's are installed.

#### **PROJECT/PROGRAM LOCATION:**

Cedar-Isles-Dean Neighborhood, Minneapolis (map attached)

#### **PROJECT TIMELINE:**

Summer/Fall 2014

## PROJECT/PROGRAM COST:

Fund name and number: Current budget: Amount approved in 2014 to date: Requested amount of funding: Cost Share Grant Program (3130) \$670,786.00 \$81,308.82 50% of the documented costs for construction of 10 stormwater BMPs, not to exceed \$9,362.50

#### SUMMARY:

The Cedar Isles Dean Neighborhood Association (CIDNA) is partnering with Metro Blooms and the Minnehaha Creek Watershed District to educate property owners about the benefits of raingardens and help them install them on their property. Up to 10 property owners in Cedar-Isles-Dean neighborhood will be selected to receive an onsite consultation and a raingarden design from Metro Blooms. CIDNA will provide the majority of the funding for the project management, consultation, design and construction, so the property owner will receive a stormwater BMP at a nominal cost.

# BENEFITS OF THE PROJECT AS THEY PERTAIN TO THE COST SHARE EVALUATION CRITERIA:

**Water Quality**: The CIDNA project will reduce the volume of runoff flowing into storm drains and out into Minnehaha Creek by promoting infiltration of stormwater runoff through raingardens and permeable pavers.

**Soil Erosion Control**: Projects will capture sediment from yards, driveways and roofs that would otherwise end up in Minnehaha Creek and will reduce erosion through volume reduction.

**Wildlife Habitat**: The project is innovative in its approach to stormwater management by incorporating backyard alleyway projects which will serve multiple purposes: they will beautify alleys, create habitat and protect clean water. Typical residential properties on alleyways are designed to drain 60% or more to the alleyway. Backyard projects have the potential to capture more stormwater and capture the most polluted runoff that leaves a property. These projects will serve as demonstration sites for other backyard/alleyway projects.

**Collaboration**: This project is in collaboration with Metro Blooms and citizens throughout the Cedar-Isles-Dean neighborhood as well as the neighborhood association (CIDNA). Projects engage citizens in the siting, design and installation of their own stormwater management practices and require financial support from each participant.

**Public Outreach**: Raingarden and permeable paver projects will be designed where they are able to capture the most stormwater runoff. Many of these sites will be publicly visible and those that are not will be asked to provide access to their practice for education/outreach events.

## **PROJECT DETAILS:**

The project will include the construction of up to 3 permeable paver installations, as well as up to 7 raingarden installations. CIDNA will work with Metro Blooms to host workshops and educate homeowners on the benefits of stormwater BMPs, and recruitment methods to encourage additional homeowners to implement projects on their properties. Metro Blooms will coordinate with the MN Conservation Corps to assist with labor on the construction of raingardens.

The CAC has recommended funding this project contingent upon staff researching if the project reimbursement can go directly to the homeowners or CIDNA. Staff had proposed reimbursing CIDNA for a majority of its contributions, which include paying the costs of design consultations, organization of the project and construction labor. The homeowners' contribution would be nominal.

District legal counsel has advised that cost-share agreements can be structured to fit the circumstances of a particular project. Here, CIDNA has applied for the cost-share support and will be working directly with homeowners to be identified on design and installation. Therefore, the proposed structure of the MCWD cost share for this project is a grant agreement between the District and CIDNA, with reimbursement contingent on CIDNA's securing a maintenance agreement between the District and the individual property owners. From previous workshops hosted by CIDNA and Metro Blooms, the participating homeowners are well aware of the cost breakdown and the 10 year maintenance commitment to the BMPs.

# DESIGN, CONSTRUCTION, AND MATERIAL COSTS

The eligible cost from the project designer's estimate for the 10 BMP installation comes to \$18,725.00. (Cost Estimate Breakdown Attached)

# STAFF RECOMMENDATION

Staff and the CAC recommends funding 50% of project, not to exceed \$9,362.50, contingent on a signed grant and maintenance agreement that is mutually agreed upon by the Cost Share recipients and District staff. Attachments:

- 1. Aerial Site Plan
- 2. Location of Existing Volunteer Participants
- 3. Example of Raingarden Design
- 4. Example of Pervious Paver Design
- 5. Alleyway Perspective
- 6. Cost Estimate Breakdown

#### RESOLUTION NUMBER: <u>14-054</u>

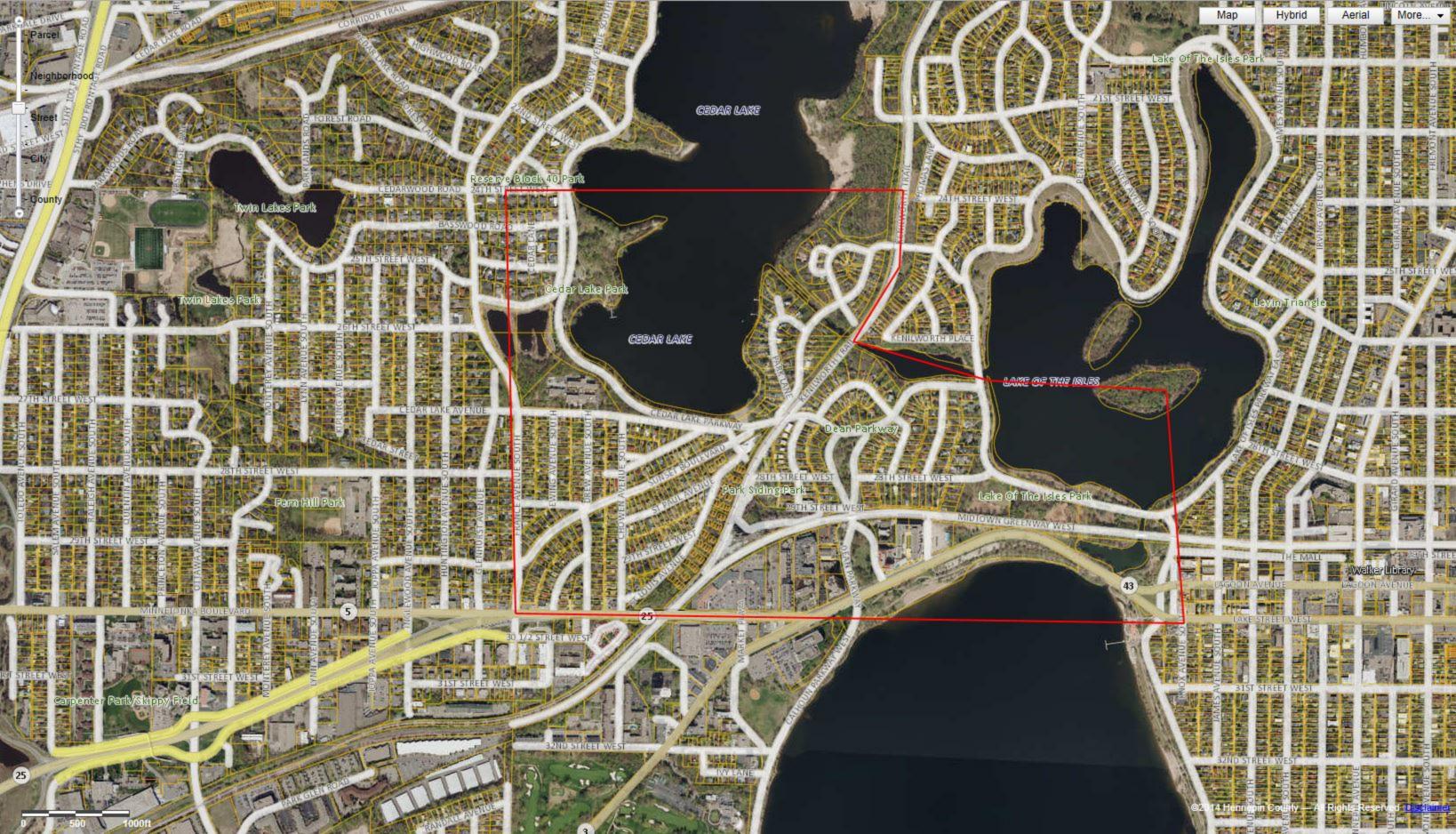
#### TITLE: Cost Share Funding for the Cedar Isles Dean Neighborhood Association BMP Project

- WHEREAS, the Stormwater BMP Cost Share Program was established by the MCWD to provide grants to property owners to design and install best management practices that will reduce the volume and increase the quality of stormwater flowing offsite; and
- WHEREAS, the Cedar Isles Dean Neighborhood Association applied for cost share funding for a 10 stormwater BMP project on residential properties to collect and infiltrate roof and driveway runoff, and
- WHEREAS, funds are available in the 2014 budget for the Stormwater BMP Cost Share Grant Program; and
- WHEREAS, the grant proposal was reviewed by the Citizen Advisory Committee (CAC) on April 23, 2014, and the CAC made a recommendation to the Board to approve the proposal and provide funding in the amount requested; and
- WHEREAS, MCWD staff has reviewed the proposal and the CAC's recommendation, and finds the proposal to be consistent with the goals the Stormwater BMP Cost Share Program and recommends funding of \$9,362.50 from the Stormwater BMP Cost Share fund; and
- WHEREAS, at the MCWD Board Workshop on June 12, 2014, it was moved by Manager Miller, seconded by Manager Shekleton and passed 4-0 that this resolution be forwarded to the next Board Meeting consent agenda for final action,
- NOW, THEREFORE, BE IT RESOLVED, that the MCWD Board of Managers authorizes funding of 50 percent of the documented costs for construction of 10 stormwater BMPs, not to exceed \$9,362.50, by the Cedar Isles Dean Neighborhood Association from the Stormwater BMP Cost Share fund, contingent on a signed grant agreement and signed maintenance agreements that include a final landscape design plan that is approved for Cost Share purposes by the grant recipient, property owners and District staff; and

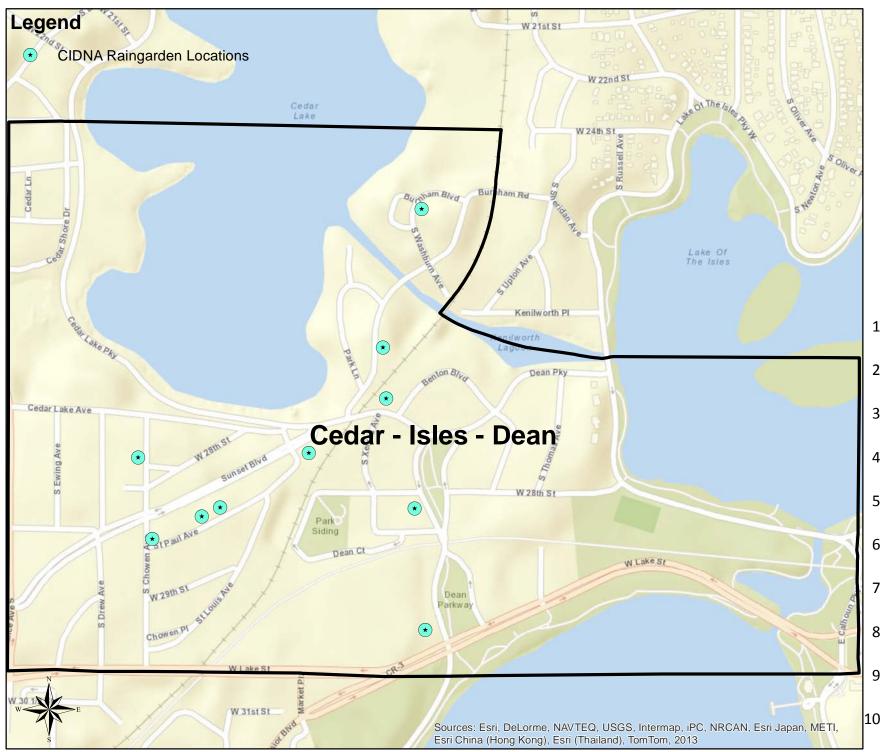
BE IT FINALLY RESOLVED, that the MCWD Board of Managers authorizes the Administrator on advice and consent of counsel to sign a grant agreement with the Cedar Isles Dean Neighborhood Association and execute maintenance agreements with the owners of the individual properties on which BMP's are to be installed.

| <b>Resolution Number 14</b> | -054 was mo | ved by Mana | ger          | , seconded by Manager | · |
|-----------------------------|-------------|-------------|--------------|-----------------------|---|
| Motion to adopt the res     | solution a  | ayes, nay   | s,abstention | s. Date:              |   |

Date:\_

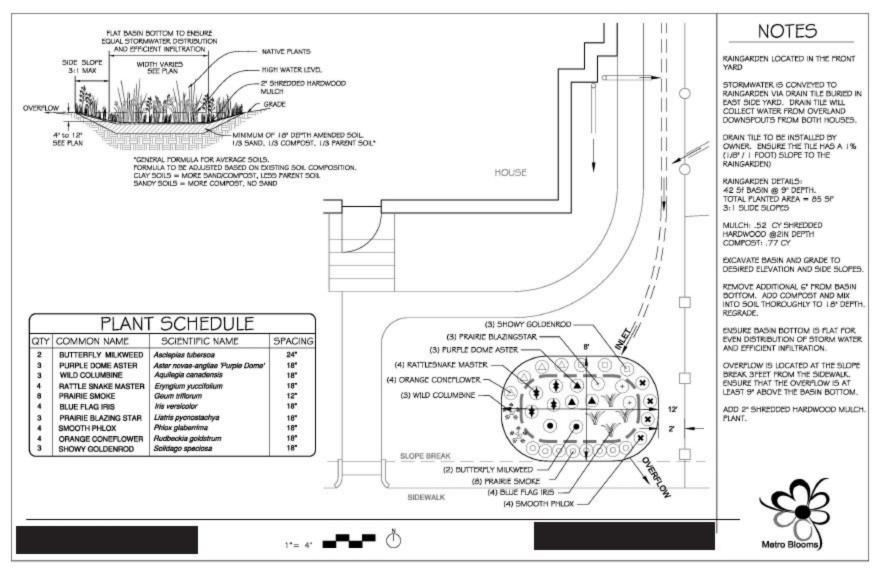


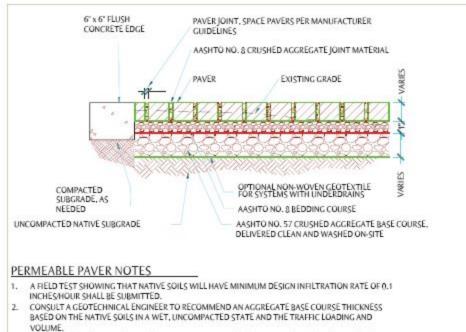
# **Cedar Isles Dean Neighborhood of Raingardens**



#### **Participants**

Phil Rosenbloom 2511 Washburn Ave S Maythee Kanter 3426 St Paul Ave Alex Dietz 2806 Dean Parkway Annajean Lee 2601 Burnham Rd Karin Westgate 3534 St Paul Ave Stacia Goodman 2724 Chowen Ave Leila Brammer 2820 Cedar Lake Pkwy Gail Lee 3438 St Paul Ave Pat Shirley 2621 Burnham Rd Norm DeWitt 2950 Dean Pkwy





- THE GENERAL CONTRACTOR SHALL SUBMIT A NARRATIVE IDENTIFYING HOW PERVIOUS PAVEMENT SURFACES WILL BE PROTECTED FROM RECEIVING SEDIMENT DURING THE ENTIRE CONSTRUCTION PROJECT.
- 4. THE FULL EXTENT OF THE POROUS PAVEMENT SHALL BE FENCED OFF FROM THE FIRST DAY OF EARTH MOVING UNTIL PROJECT COMPLETION TO PREVENT COMPACTION OF THE SUBGRADE, TRACKING OF DIRT ONTO ANY LAYER OF THE FACILITY, AND STOCKPILING OF CONSTRUCTION MATERIALS THAT MAY CLOG THE SURFACE.
- DURING EXCAVATION OF NATIVE SOILS TO THE BOTTOM OF THE FACILITY, RAINFALL MAY CAUSE FINES TO CLOG THE NATIVE SOIL SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL, HAND RAKE THE SURFACE TO A DEPTH OF 3' TO RESTORE INFILTRATION CAPACITY.
- CALL THE FACILITY DESIGNER. [ENTER NAME HERE] AT [ENTER PHONE NUMBER HERE] 24 HOURS IN ADVANCE OF CONSTRUCTING THIS FACILITY SO CONSTRUCTION OBSERVATION MAY BE PERFORMED TO IDENTIFY VARIATIONS IN THE FIELD THAT MAY AFFECT DESIGN AND VERIFY PROPER CONSTRUCTION.
- AGGREGATE BASE COURSE SHALL BE DELIVERED CLEAN (2% WASH LOSS) AND WASHED ON-SITE TO REDUCE WASH LOSS TO 0.5%. THIS MAY BE DONE BY HOSING THE ROCK OFF WHILE STILL IN THE DELIVERY TRUCK OR AFTER STOCKPILING. SCOOP FROM THE TOP AND PLACE ROCK. HOSE OFF AS NEEDED AS THE PILE DIMINISHES SINCE FINES WILL MIGRATE TO LOWER LEVELS OF THE PILE.

Metro Blooms

Manufactured Permeable Pavers

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Scale: NTS



| Neighborhood of Raingarde            | ns Budget Estimates   | 1940                        |  |               |  |
|--------------------------------------|---|-----------------------------|--|---------------|--|
|                                      | Typical Raingarden Installation   | Fee                         | Typical Permeable Paver Installation w/pl  | Fee           | \$35.75/square foot for everything   |
| Neighborhood Association             | Designs (on-site, design, project<br>management)  | \$300.00                    | Designs (on-site, design, project management)                                    | \$525.00      |  |
|                                      | Install Oversight (oversight during<br>excavations and at plant distribution;<br>mileage) | \$280.00                    | Install Oversight (oversight during excavations and<br>at installation; mileage) | \$280.00      |  |
|                                      | Raingarden Materials (signs)  | \$10.00                     | Raingarden Materials (signs)   | \$10.00       |  |
|                                      |   |                             | Labor (Contractor)   | \$1,500.00    |  |
|                                      | Neighborhood Association Total  | \$590.00                    | Neighborhood Association Total   | \$2,315.00    |  |
| Property Owner                       | Mulch   | \$50.00                     | Landscaping Materials  | \$1,000.00    |  |
|                                      | Compost (optional)  | \$30.00                     | Mulch  | \$50.00       |  |
|                                      | Plants (\$150 - \$300)  | \$225.00                    | Compost (optional)   | \$30.00       |  |
|                                      | Sod/Soil Dumping  | \$40.00                     | Plants (\$150 - \$300)   | \$225.00      |  |
|                                      |   |                             | Sod/Soil Dumping   | \$40.00       |  |
|                                      | Property Owner Total"   | \$345.00                    | Property Owner Total"  | \$1,345.00    | Landscaping materials & labor = \$25/square foot;<br>estimate based on 100 sq. foot permeable<br>pavement strip and small raingarden |
| Other                                |   |                             |  |               |  |
|                                      | Property owner labor (@ \$12/hr)  | \$120.00                    | Property owner labor (@ \$12/hr)   | \$120.00      |  |
|                                      | Total Other   | \$120.00                    | Total Other  | \$ 120.00     |  |
|                                      | Project Estimate  | \$ 1,055.00                 | Project Estimate   | \$ 3,780.00   |  |
|                                      | MCWD Cost Share Total   | \$ 527.50                   | MCWD Cost Share Total  | \$1,890       |  |
| *Cost is an estimate; actual cost to | o each property owner will be determined  | l based on best available p | ricing at time of installations  |               |  |
| Project Breakdown - 10 tota          | al projects   |                             |  |               |  |
|                                      | Project   | Total Cost Estimate         | MCWD Total Cost Share Estimates  |               |  |
| #                                    |   |                             |  |               |  |
| 7                                    | Typical Raingarden Installation   | \$ 7,385.00                 | \$ 3,692.50  |               |  |
| 3                                    | Permeable Paver w/Plantings   | \$ 11,340.00                | \$ 5,670.00  |               |  |
|                                      |   | \$ 18,725.00                | \$ 9,362.50  | Total Cost Sh | are Request  |
|                                      |   |                             |  |               |  |