Minnehaha Creek Watershed District *REQUEST FOR BOARD ACTION*

MEETING DATE: May 14, 2015

TITLE: Authorization of Cost Share Funding- Kenwood Isles Area Association Raingarden Initiative

RESOLUTION NUMBER: 15-XXX

PREPARED BY: Brett Eidem, Cost Share Grant Administrator

E-MAIL: beidem@minnehahacreek.org **TELEPHONE:** 952-641-4523

REVIEWED BY: ☐Administrator ☒ Counsel ☒ Program Mgr. (Name): Telly Mamayek
☐ Board Committee ☐ Engineer ☐ Other

WORKSHOP ACTION:

☒ Advance to Board mtg. Consent Agenda.	☐ 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.	☐ 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 $9,690 from the Cost Share Fund, for the installation of stormwater BMPs on properties within the neighborhoods within the Kenwood Isles Area Association, 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 Kenwood Isles Area Association and execute maintenance agreements between the District and the owners of the property where the BMP's are installed.
3. Reimburse Kenwood Isles Area Association $9,690 after installation of construction of the project, and contingent on an annual inspection and community outreach report of how project is making an impact within the community.

PROJECT/PROGRAM COST:

Fund name and number:	**Cost Share Grant Program (3130)**
Current budget:	$832,000
Amount approved in 2014 to date:	$531,815
Requested amount of funding:	50% of the documented costs for construction of stormwater BMPs on 20 properties, not to exceed $9,690

PROJECT/PROGRAM LOCATION:

20 residential properties within the Kenwood Isles Area Association, Minneapolis (map attached)

WATER QUALITY IMPROVEMENT:
Pollutant Reductions are estimates as the final design plans have not been completed. The raingardens would be designed to capture at least the first inch of runoff. Reductions proposed are annually.

Volume Reduction:	11,000-16,000 gallons
Total Suspended Solids (TSS):	700-800 lbs.
Total Phosphorus (TP):	.5-.7 lbs.

PROJECT TIMELINE

- Fall and Winter 2014: Metro Blooms outreach and participant recruitment
- April-June 2015: Participants attend a raingarden workshop and Metro Blooms conducts onsite consultations
- June – July 2015: Site consultations and designs. Participants sign funding and maintenance agreements.
- July-October 2015: Raingarden installations. Maintenance training for participants, final inspection.
- November-December 2015: Project evaluation, including inspection and community engagement reporting.

SUMMARY
The Kenwood Isles Area Association (KIAA), Metro Blooms, and the Conservation Corps of Minnesota are partnering on a Neighborhood of Raingardens project to educate citizens about stormwater management and enable them to play a role in the protection of clean water and creation of habitat.

The project will result in the implementation of 20 raingardens on private property (up to 150 square feet each) throughout the neighborhood in 2015. Interested residents participate in a site consultation and receive a raingarden design from Metro Blooms. Metro Blooms will work with the Conservation Corps of Minnesota in August 2015 to prepare and install the 20 raingardens. Residents will plant their own raingardens.

The Kenwood Neighborhood is located along the Minneapolis Chain of Lakes, between Lake of the Isles and Cedar Lake. The style of landscaping in the neighborhood is very formal and often requires excessive maintenance and watering in the summer. KIAA wants to educate community members about water-friendly landscaping and encourage residents to install raingardens to protect Lake of the Isles and Cedar Lake. To do this, KIAA began working with Metro Blooms last fall to implement a Neighborhood of Raingardens program in Kenwood.

Neighborhood raingardens provide multiple ecological benefits such as water quality improvement, runoff volume reduction, and native habitat creation, while beautifying neighborhoods and creating visual demonstrations. The 20 proposed raingardens will create roughly 3,000 square feet of native habitat in the Kenwood Neighborhood, and treat approximately 11,000 gallons of stormwater runoff during a 1 inch rain event. This runoff, and the pollution it picks up, would otherwise flow directly to Lake of the Isles and/or Cedar Lake. Additionally, the habitat created helps to connect neighborhood properties to the habitat surrounding the Minneapolis Chain of Lakes and Minnehaha Creek.

Metro Blooms will provide participants with maintenance information including a pamphlet with establishment and seasonal maintenance tips, blogs about raingarden maintenance, and short maintenance videos. They will also send seasonal maintenance reminders via email. In the future the neighborhood may host maintenance trainings led by Master Water Stewards or Master Gardeners for participating property owners. After the establishment period the raingardens will be included in Metro Blooms' garden evaluation program and evaluated annually. If necessary, maintenance tips will be left for property owners.

Education and Outreach
KIAA and Metro Blooms have already identified 20 property owners in the neighborhood that are committed to participating in the project (see attached map). 2 of the 20 participants are within the Districts hydrologic boundary, but not our legal boundary. Clarified by counsel, there is no legal reason we could not support the funding of those projects as they will be benefitting water quality and ultimately drain to a waterbody within the District. Participants are encouraged to attend the Raingarden Workshop to learn about the benefits of raingardens and how to plan their own. Metro Blooms will schedule a site consultation with each participant. At the site consultation property owners and Metro Blooms' Landscape Designer discuss the entire property and what could be implemented. Property owners learn about stormwater conveyance, eco-friendly yard care practices, and raingarden design.

After the installation of the raingardens, planting day, maintenance training, and promotion will follow. Metro Blooms will order the raingarden plants and work with KIAA to host a planting day event at a central location in the neighborhood. On planting day, participants pick up and pay for their plants, receive planting & maintenance instruction and plant their raingarden according to Metro Blooms' design. Participants also receive information on raingarden maintenance. This is the first year that KIAA is hosting a Neighborhood of Raingardens project. KIAA will utilize these raingardens to educate residents and promote stormwater management practices throughout the neighborhood. The location of the raingardens and project progress will be shared through the KIAA newsletter and on Next Door.

MEASURABLE GOALS & RELATIONSHIP TO PLAN
The Minneapolis Chain of Lakes regional park is the most visited park in Minneapolis (MPRB). According to the Minnehaha Creek Subwatershed Plan, District activities focus on "restoring ecological integrity in Minnehaha Creek through: habitat improvement, improved quality, and more stable flows." While Lake of the Isles is no longer impaired for eutrophication according to the Minnesota Pollution Control Agency's 303(d) impairment list, continued activity to address source control on private property is necessary to ensure the lake remains healthy and available for recreation.

DESIGN, CONSTRUCTION, AND MATERIAL COSTS
The total project cost is $19,380. Staff reviewed the project through the community engagement category of the new cost share program, and has scored out the project at an 80/100 points. Staff recommends funding 50%, not to exceed $9,690. This would average out to a cost share funding of $484.50 per BMP, and a homeowner contribution of $484.50 per BMP as well. The construction of the raingardens will take place in July-August of 2015, after final design plans and individual homeowner maintenance agreements are signed. KIAA will be required to complete an annual community outreach report, to track the awareness built through the neighborhoods from the construction of this project.
(Cost Estimate Breakdown Attached)

STAFF RECOMMENDATION
Staff and the CAC recommends funding 50% of project, not to exceed $9,690, contingent on a signed grant and maintenance agreement that is mutually agreed upon by the Cost Share recipients and District staff.

Attachments:

1. KIAA Participant Map
2. Raingarden Design
3. Cost Share Evaluation Scoresheet
4. Cost Estimate Breakdown

RESOLUTION

RESOLUTION NUMBER: 15-XXX

TITLE: Authorization of Cost Share Funding – Kenwood Isles Area Association

WHEREAS, the 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 provide support for beyond-regulation projects that protect and improve water resources; and

WHEREAS, the District's 2007 Comprehensive Water Resources Management plan also identifies expanding the knowledge base of water resources management and providing education opportunities through demonstrative projects within the watershed as key functions of the Cost Share Program; and

WHEREAS, funds are available in the 2015 budget for the Cost Share Grant Program; and

WHEREAS, Kenwood Isles Area Association applied for cost share funding 20 raingardens on 20 residential properties within the Kenwood-Isles-Dean neighborhood to collect and infiltrate roof and driveway runoff, preventing it from reaching Lake of the Isles and Cedar Lake, and

WHEREAS, the grant proposal was reviewed by the Citizen Advisory Committee (CAC) on April 9, 2015, and the CAC made a recommendation to the Board to approve the proposal and provide funding in the amount requested; and

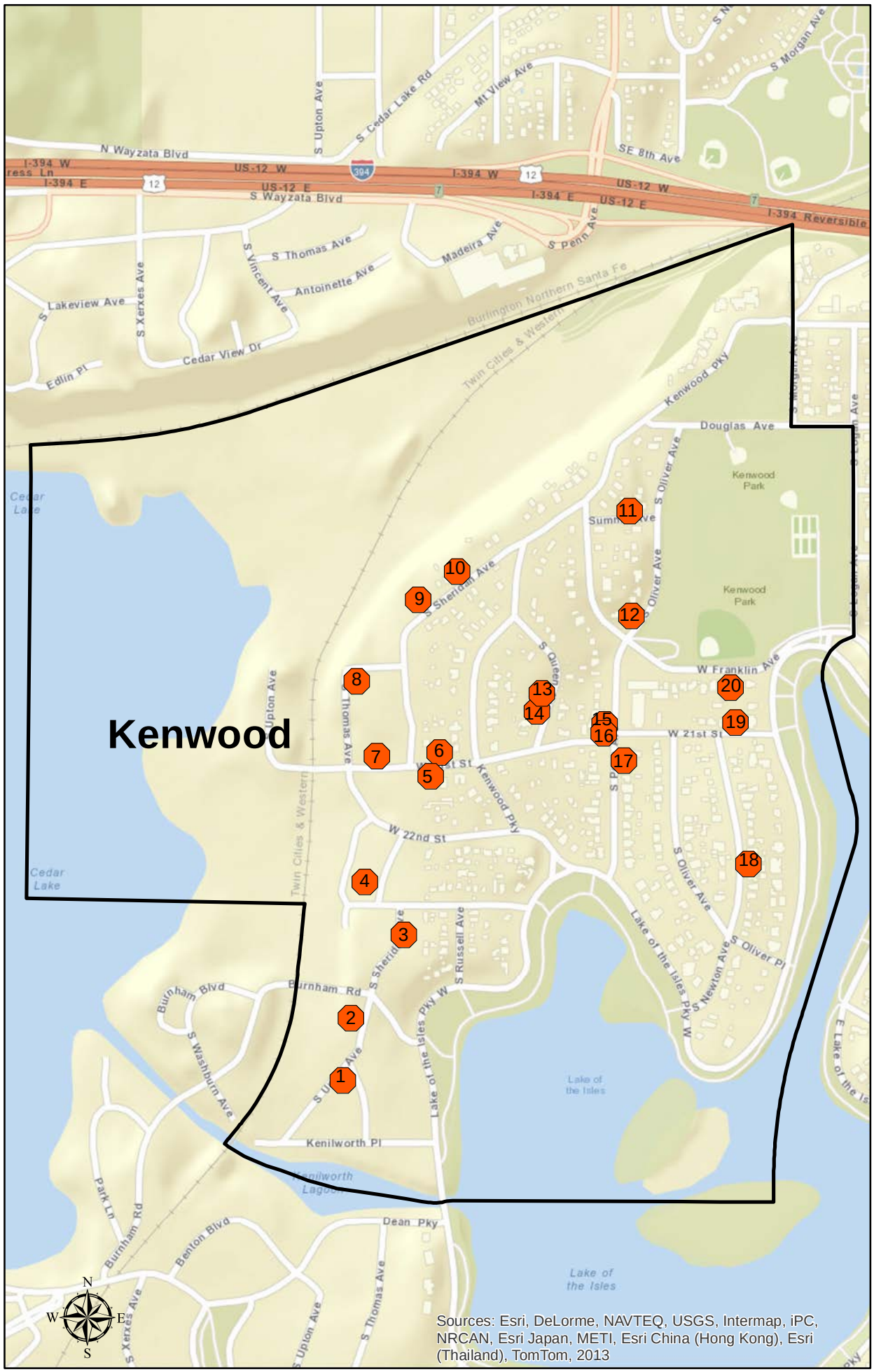
WHEREAS, on May 14, 2015 the project was presented at the Board of Managers meeting to consider funding the project, and there was a recommendation to fund the project;

NOW, THEREFORE, BE IT RESOLVED, that the MCWD Board of Managers authorizes the administrator to execute, on advice and consent of counsel, a Cost Share funding agreement with Kenwood Isles Area Association, providing reimbursement of 50 percent of the documented costs for construction of 20 stormwater BMPs on each of 20 properties that have been identified around Lake of the Isles and Cedar Lake, not to exceed 50 percent of the documented eligible costs of construction of a BMP on an individual property, from the Cost Share fund, contingent on a signed grant agreement with Kenwood Isles Area Association and a signed maintenance and access agreement with each participating property owner that includes a final landscape design plan approved for Cost Share purposes by District staff, as well as an annual inspection and community outreach report; total cost-share reimbursement not to exceed $9,690.

Resolution Number 15-XXX was moved by Manager _____, seconded by Manager _____.
Motion to adopt the resolution ___ ayes, ___ nays, ___abstentions. Date: _____.

_____ Date:_____
Secretary

Kenwood Neighborhood of Raingarden Participants 2015



Legend

1 Anna Tuczapec
2500 Thomas Ave S

2 Courtney Kiernat
2512 Upton Ave S

3 Sandra Dower
2415 Sheridan Ave S

4 Sarah Vernon
2224 Sheridan Ave S

5 Scott Friedman
2417 W. 21st St

Noriko Gamblin &
6 Steven Ostrow
2408 W. 21st St

7 Emily Benz
2508 W 21st St

8 Brian Felland
2519 W Franklin Ave

9 Mark & Joan Oyaas
1984 Sheridan Ave S

10 Reuben Mendoza
1964 Sheridan Ave S

11 Melody Ng
2148 Summit Ave

Lisa Kane & Kieran
12 Folliard
1902 Oliver Ave S

13 Chris Lawrence
2012 Queen Ave S

14 Jenny
2024 Queen Ave S

15 Josine Peters
2030 Penn Ave S

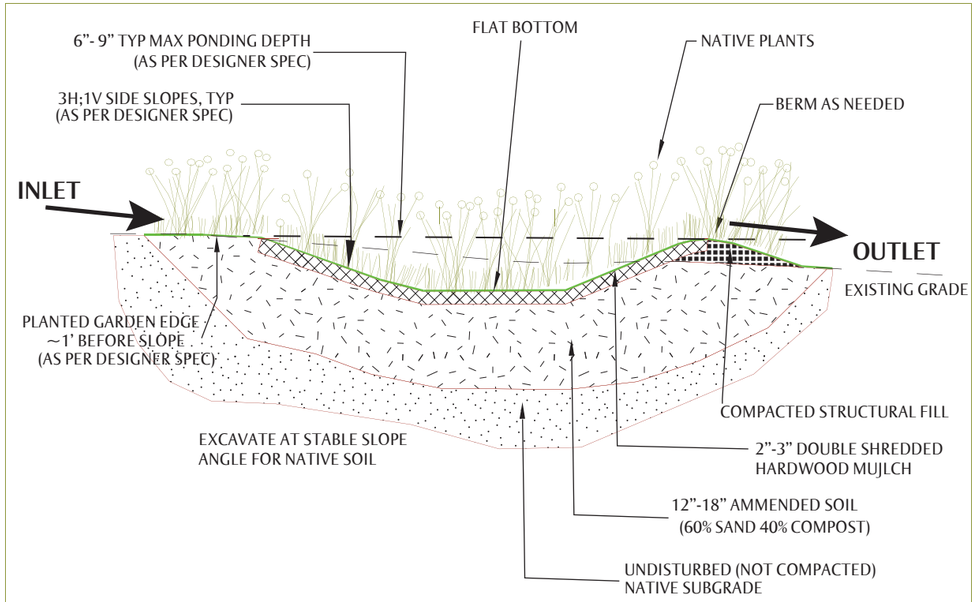
16 Dan Hudson
2206 W 21st St

Kenwood Pet Clinic
17 (Anne Aldag)
2107 Penn Ave S

Gayle Schueller &
18 Randy
2309 Newton Ave S

Beth Addington &
19 Andy Muench
1912 W 21st St

Terry Campbell & Chio
20 Lindeke
1917 W. Franklin Ave



INFILTRATION RAIN GARDEN WITH PLANTING SOIL NOTES

DESIGN NOTES:

PLANT WITH PLANTS PER LANDSCAPE ARCHITECT DESIGN. NATIVE PLANTS ARE PREFERRED BECAUSE:
~THEY PROVIDE HABITAT AND FOOD SOURCE FOR WILDLIFE.
~THE LARGE ROOT STRUCTURE FACILITATES INFILTRATION OF STORM WATER RUNOFF

CONSTRUCTION NOTES:

PLANT MATERIAL AVAILABLE FROM:
~ GLACIAL RIDGE GROWERS
~LANDSCAPE ALTERNATIVES
~SUNRISE NATIVE PLANTS
~DRAGONFLY GARDENS

DOUBLE SHREDDED HARDWOOD MULCH, COMPOST, AND DRAIN TILE AVAILABLE FROM:
~KERN LANDSCAPE RESOURCES
~HEDBERG’S
~PATIO TOWN

MAINTANENCE NOTES:

~WATER PLANTS AT LEAST 1” PER WEEK FOR DURATION OF FIRST YEAR TO ESTABLISH ROOT STRUCTURE
~KEEP GARDEN FREE OF WEEDY INVASIVE PLANTS
~CONNECT DOWNSPOUTS ONLY AFTER PLANTS ARE ESTABLISHED. DURING 2ND YEAR.
~DISCONNECT CONVEYANCE SYSTEMS BEFORE THE ONSET OF WINTER EACH YEAR.
~CUT BACK DECAYING PLANT MATERIAL AND COMPOST IN EARLY SPRING BEFORE NEW GROWTH

Metro Blooms

Infiltration Rain Garden
With Planting Soil

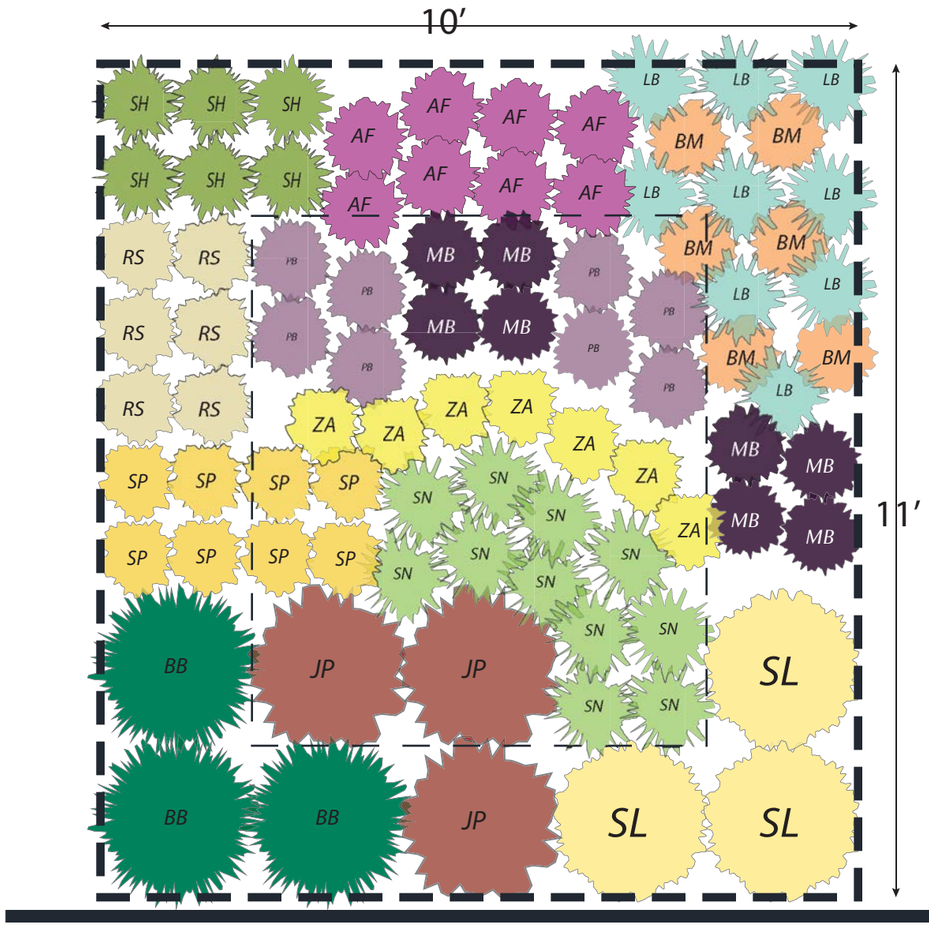
Georgia Becker

1400 3rd St NE, Minneapolis, MN 55413

Designer ~ Andrew Novak 6 / 10 / 2014

N

Metro Blooms



Rain Garden Extent
93 sq ft

Rain Garden Basin

.5 cu yd of Double Shredded Hardwood Mulch @ 2" depth (1st year) Add another inch or 2 for year 2.

.5 cu yd of compost @ 2" depth

0 1′ 2′ 4′

1″ = 2′

	Latin Name	Common Name	QTY.	Spacing	Height
BB	*Andropogon gerardii*	Big Bluestem	3	2′	5′
BM	*Asclepias tuberosa*	Butterfly Milkweed	6	1′	18"
AF	*Agastache foeniculum*	Anisse Hyssop	8	1′	18"
JP	*Eupatorium maculatum*	Joe-Pye Weed	3	2′	4′ - 6′
PB	*Liatris pycnostachya*	Prairie Blazing Star	8	1′	4′
KB	*Liatris ligulostylis*	Meadow Blazing Star	8	1′	4′
RS	*Rudbeckia laciniata*	Grey-Headed Coneflower	6	1′	5′ - 6′
SL	*Silphium lacinatum*	Compass Plant	3	2′	5′ - 9′
SP	*Silphium perfoliatum*	Cup Plant	8	2′	4′ - 8′
SN	*Sorghastrum nutans*	Indian Grass	11	2′	4′ - 6′
LB	*Schyzachyrium scocaparium*	Little Bluestem	9	1′	3′
SH	*Sporobolus heterolepis*	Prairie Dropseed	6	1′	3′
ZA	*Zizia aurea*	Golden Alexander	7	1′	3′

Georgia Becker

1400 3rd St NE, Minneapolis, MN 55413

Designer ~ Andrew Novak 6 / 10 / 2014

Metro Blooms

Cost Share Grant Evaluation Form
Community Engagement Grant

Name of Reviewer: _____Brett Eidem_____
Date Reviewed: _____4/5/2015_____

Applicant: KIAA
Project: KIAA Raingarden Implementation
Total Project Budget: $19,380

Community Engagement Grant: must be designed to produce greater public awareness of ways to improve water quality. These projects use a stormwater BMP as a demonstration to educate the public to build community capacity to grow knowledge and support of stormwater management in the community.

Organization Type: Neighborhood Association		
Are the Goals of Project Clearly Outlined?		
Past History: Has the applicant applied before? No		
Project Design (30pts)		
Notes: The project will be installing 20 raingardens that will capture up to 11,000 gallons in a 1 in rain event. There is a budget breakdown as well as a plan for long term maintenance.	5/10	**Water Resource Improvement to MCWD**
	0/5	**Innovative Design**
	5/5	**Budget Detail**
	10/10	**Maintenance Plan**
Project Design Total:	**20**	**/30**
Education & Outreach (60 pts)		
Notes: Multiple opportunities to engage the community. Participants will walk the entire property with metro blooms. With MWS tied to the project, it will be educational throughout the process. Other funds are being leveraged.	20/20	**Influence within Community**
	25/25	**Outreach Techniques**
	5/10	**Visibility of Demonstration**
	5/5	**Leveraging Other Grant Funds**
Education and Outreach Total:	**55**	**/60**
Water Resource Prioritization (10 pts)		
Notes: A way to keep Lake of the Isles and Cedar Lake clean and promote neighborhood participation and private investment to keep it that way.	5/10	**Alignment with District Priorities**
Water Resource Prioritization Total:	**5**	**/10**
Total:	**80**	**/100**

100 -90pts 75% Funding	The proposal is among the very best; it exceeds expectations in many areas, was very clearly presented, is an excellent match for this funding, and should be funded. Potential for up to 75% funding, not to exceed $100,000 *project will need Board approval for funding requests over $5,000 and a public hearing if funding request is over $50,000
89-75 pts 50% Funding	The proposal is generally strong and is a good match for this funding. If enough funding is available, this proposal should be funded. A few concerns might need to be addressed. Potential for up to 50% Funding, not to exceed $50,000 *project will need Board approval for funding requests over $5,000 and a public hearing if funding request is over $50,000
74-50 pts Needs Further Development	The proposal has some strengths but also several problem areas. Areas of concern would need to be addressed before further consideration of funding for this proposal.
49-0 pts Does Not Qualify	This proposal is quite weak in many of the important areas. Concerns preclude recommendation of funding for this proposal.
Reporting	*Required for all Community Engagement projects, needed before phased reimbursement is released - Description and location of outreach techniques used - Number of people engaged and educated on the project - Has the project and outreach initiated other efforts on improving water quality and awareness - Opportunities for monitoring - Inspection Form

Comments and Notes: This project has multiple opportunities to engage the public, gain community capacity and create awareness of stormwater management in a neighborhood within close proximity to lakes in Minneapolis.

Cost Share 2015 Detailed Evaluation Criteria
Community Engagement Grant Evaluation Criteria

Project Design- 30 Points
- Water resource impact to MCWD (cost benefit)
    - Proposed project captures greater than 50% of site runoff
    - Reduces flow, promotes infiltration, reduces erosion
    - Creates habitat and promotes pollinator plants
    - Entire site design, with detailed breakdown of BMPs and correlating removals of each
- Innovation- something we haven't funded before, innovative use of stormwater BMPs, first of its kind in the region/state, multi-functionality, re-use system
- Budget- Detailed cost estimate of project (construction and outreach efforts)
- Maintenance- having a detailed maintenance plan and recommended schedule

Education and Outreach- 60 Points
- Influence within Community
    - Delineating who within the organization will execute education and outreach efforts
    - Partnerships
        - Schools, other organizations- establishing classroom curriculum around water quality education
        - Collaborations- working with other organizations on the same water quality project
    - Community Capacity- Does the project encourage community involvement or service by local citizens?
- Outreach Techniques
    - Educational Signage- Project specific/ Connections to other District Efforts
    - Host an Event-utilizing partnerships to host an event that incorporates stormwater management awareness and creates a foundation for building community capacity to impact the problem of water pollution
    - Innovative Outreach Techniques- Use of cutting edge technology, something we haven't funded before, first of its kind in the region/state, utilizing social media
- Visibility- How easily can passersby understand what the project is and how it works
- Leveraging other funds- is project utilizing other grant dollars or resources to accomplish project goals

Water Resource Prioritization- 10- Points
- Proximity to Focal Geography of MCWD Initiatives
    - How can the project complement other District initiatives/future projects
- Proximity to an impaired waterbody
    - How does project address impairments through BMPs or education
- Protection of high value resource

Reporting- Required for Community Engagement projects
- Description of outreach techniques used and their location
- Number of people educated and engaged on the project
- Has the project and outreach initiated other efforts on improving water quality and awareness
- Opportunities for monitoring
- Inspection Report

Kenwood Isles Neighborhood of Raingardens Cost Share Budget

20 raingardens up to 150 square feet each

Activity	Cost/Garden	Total Cost (20 Raingardens)
Designs (on-site, design, project management)	$300.00	$6,000.00
Install Oversight (oversight during excavations (8 days) and at plant distribution (1 day); mileage)	$254.00	$5,080.00
Education Materials	$10.00	$200.00
Mulch	$40.00	$800.00
Compost	$40.00	$800.00
Plants	$225.00	$4,500.00
Sod/Soil Dumping	$40.00	$800.00
Property owner labor to plant garden (@ $12/hr)	$60.00	$1,200.00
Total Project Estimate	$969.00	$19,380.00