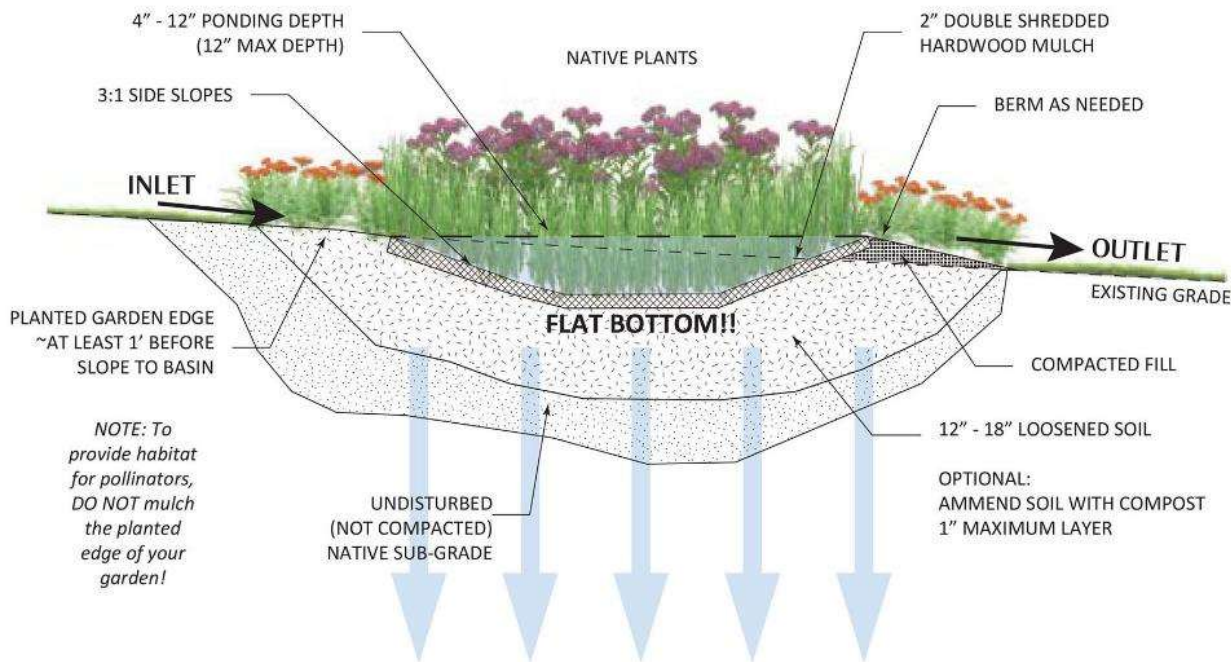


Kenny Raingarden Tour 2019-2020

Celebrating 2 years of raingardens in Kenny!



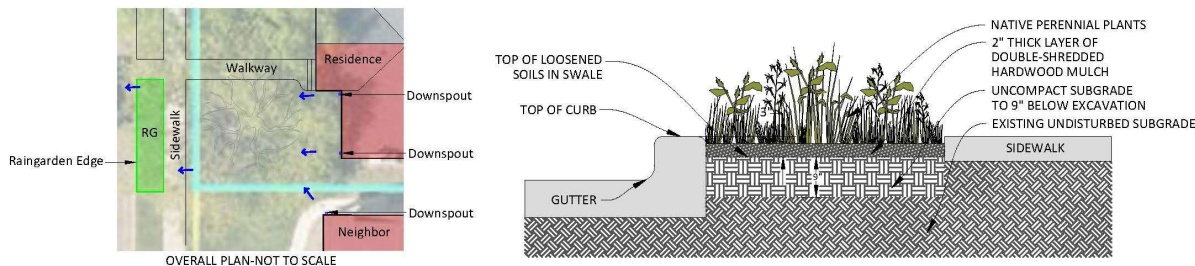
These raingardens were designed and installed with the help of Metro Blooms (www.metroblooms.org), the Conservation Corps of Minnesota, Kenny Neighborhood Association and participating residents. Raingardens are lowered perennial plantings built to capture and infiltrate rainwater while breaking down pollutants and providing habitat.



- 1) 5441 James Ave S – Installed 2019
- 2) 5504 James Ave S – Installed 2020
- 3) 5528 Girard Ave S – Installed 2020
- 4) 5514 Girard Ave S – Installed 2020
- 5) 5501 Fremont Ave S – Installed 2020
- 6) 1301 W. 58th St. – Installed 2020
- 7) 5844 Emerson Ave S – Installed 2019
- 8) 6028 Fremont Ave S – Installed 2020
- 9) 6005 Girard Ave S – Installed 2019
- 10) 6051 James Ave S – Installed 2019
- 11) 6006 Knox Ave S – Installed 2020

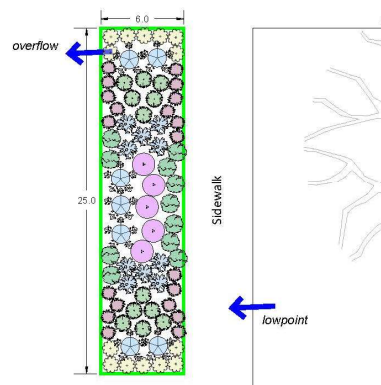
1) 5441 James Ave S- Installed 2019

Boulevard raingarden designed to capture and infiltrate runoff from sidewalk



RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 858 ft²
- Area of Raingarden: 150 ft²
- Depth of Raingarden: 6"
- Mulch @ 2" deep: 1 yd³



INSTALLATION + MAINTENANCE NOTES

- Homeowner to work with city to fix sidewalk for proper drainage.
- Crew to remove sod and soil at location of proposed raingarden in boulevard, and install raingarden per detail.
- After excavation, crew will loosen existing soils up to 9" deep in raingarden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- More garden maintenance information is available at <https://metrobloms.org/resources/maintenance/>

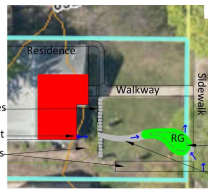
PLANT LIST

	QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS						
	10	Big-Leaved Aster	Aster macrophyllus	1'-2'	18"	Aug-Sept
	12	Path Rush	Juncus tenuis	1'	1'	June-Aug
	7	Jacob's Ladder	Polemonium reptans	1'	1'	Apr-June
	5	Meadow Blazing Star	Liatris ligulistylis	1'-3'	18"	July-Sept
	20	Prairie Smoke	Geum triflorum	9"	1'	May-July
	14	Pussytoes	Antennaria plantaginifolia	9"	18"	April-June
	11	Wild Strawberry	Fragaria vesca	9"	1'	May-Aug

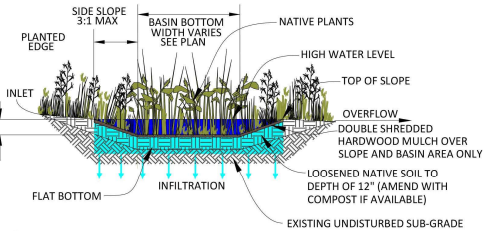


2) 5504 James Ave S- Installed 2020

Designed to intercept and infiltrate rainwater runoff from downspout and low point on sidewalk



Overall Plan NOT TO SCALE



RAINGARDEN INFO

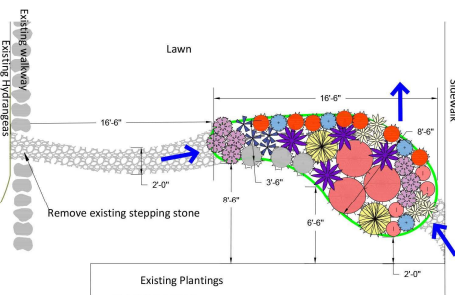
- Impervious Area of Captured Stormwater :436 ft²
- Area of Raingarden :110 ft²
- Area of Rock Swale: 40 ft²
- Depth of Raingarden: 6"
- Mulch @ 2" deep: .75 yd³

INSTALLATION + MAINTENANCE NOTES

- Haul sod, keep soil on tarp that will be provided by homeowner to be determined where to place.
- For Rock Swale you will need 1.5 cu ft 2-3 inch river rock.
- Remove one stepping stone where D.S. is located for rock swale
- After excavation, crew will loosen existing soils up to 9" deep in raingarden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between raingarden and lawn (by property owner)
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>

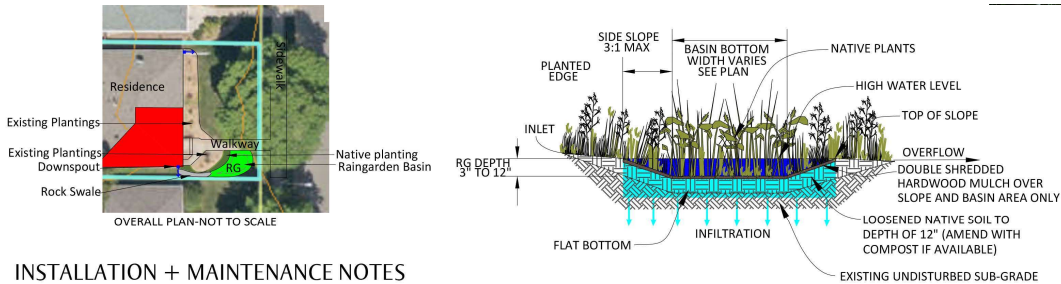
PLANT LIST

ICON	QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS						
	4	Blue Flag Iris	Iris versicolor	2'	18"	May-June
	7	Butterfly Weed	Asclepias tuberosa	2'-3'	18"	June-Aug
	7	Marsh Blazing Star	Liatris spicata	3'	18"	July-Aug
	4	Little Bluestem	Schizachyrium scoparium	2'-4'	18"	Aug-Feb
	6	Narrow-leaved Coneflower	Echinacea angustifolia	2'	18"	June-July
	4	Purple Coneflower	Echinacea purpurea	2'-5'	2.5'	June-Aug
	4	Columbine	Aquilegia canadensis	1'-3'	1'	May-July
	3	Shenandoah Switchgrass	Panicum virgatum 'Shenandoah'	3'-4'	3'	July-Oct
	2	White Wild Indigo	Baptisia alba	2'-4'	2'	April-May
	3	Whorled Milkweed	Asclepias verticillata	2'	2'	June-Aug



3) 5528 Girard Ave S- Installed 2020

Designed to intercept and infiltrate rainwater runoff from downspout via rock swale



INSTALLATION + MAINTENANCE NOTES

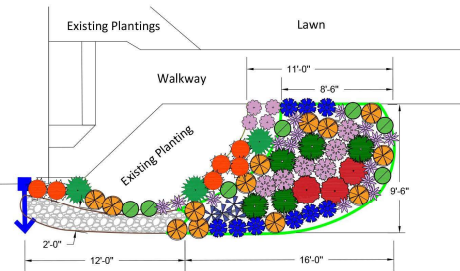
- Haul sod and soil
- For the Rock Swale, you will need .75 cu yd of 2-3inch river rock.
- Remove one stepping stone where D.S. is located for rock swale
- After excavation, crew will loosen existing soils up to 9" deep in raingarden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between raingarden and lawn (by property owner)
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>

RAINGARDEN INFO

- Impervious Area of Captured Stormwater :520 ft²
- Area of Raingarden :102 ft²
- Area of Native Planting : 33 ft²
- Area of Rock Swale: 20 ft²
- Depth of Raingarden: 6"
- Mulch @ 2" deep: 1 yd³

PLANT LIST

ICON	QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS						
✿	4	Blue Flag Iris	Iris versicolor	2'	18"	May-June
🦋	6	Butterfly Weed	Asclepias tuberosa	2'-3'	18"	June-Aug
🌸	6	Marsh Blazing Star	Liatris spicata	3'	18"	July-Aug
🌿	5	Fox Sedge	Carex vulpinoidea	1'-2'	18"	May-June
🌾	7	Bottlebrush Grass	Elymus hystrix	2'-3'	1'	Sept-Oct
🌻	13	Orange Coneflower	Rudbeckia fulgida	3'	18"	July-Sept
🌺	15	Pale Purple Coneflower	Echinacea pallida	2-3'	1'	June-July
🌼	3	Bee Balm	Monarda didyma	2'-4'	2'	July-Aug
🌸	4	Pink Pussytoes	Antennaria dioica rubra	9"	18"	April-June
🌼	3	Prairie Dropseed	Sporobolus heterolepis	2'-3'	2'	Aug-Oct
🌼	9	Silky Aster	Symphyotrichum sericeum	1'	18"	Sept-Oct



4) 5514 Girard Ave S- Installed 2020

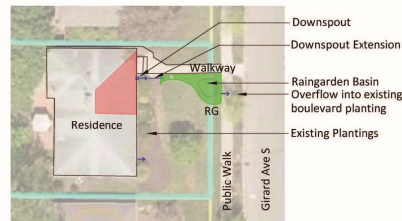
Designed to intercept and infiltrate rainwater runoff from roof downspout

INSTALLATION + MAINTENANCE NOTES

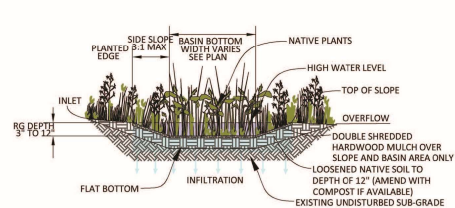
- After excavation, crew will loosen existing soils up to 9" deep in raingarden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between raingarden and lawn (by property owner)
- Stepping stone is recommended for ease of walking through to lawn, see plan for details.
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>

PLANT LIST

ICON	QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS						
	6	Bee Balm	Monarda didyma	2'-4'	2'	July-Aug
	16	Fox Sedge	Carex vulpinoidea	1'-2'	18"	May-June
	13	Orange Coneflower	Rudbeckia fulgida	3'	18"	July-Sept
	5	Purple Coneflower	Echinacea purpurea	2'-5'	2.5'	June-Aug
	18	Pussytoes	Antennaria plantaginifolia	9"	18"	April-June
	3	White Wild Indigo	Baptisia australis	3'-4'	3'	May-June

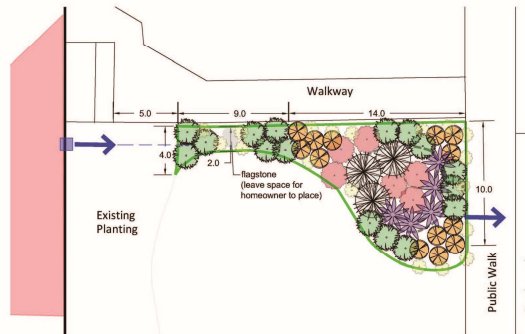


OVERALL PLAN-NOT TO SCALE



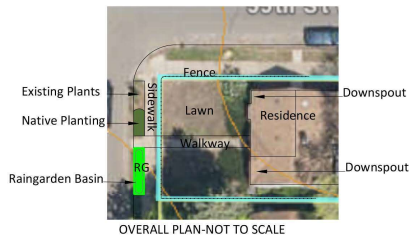
RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 258 ft²
- Area of Raingarden: 142 ft²
- Depth of Raingarden: 6"
- Mulch @ 2" deep: 1 yd³



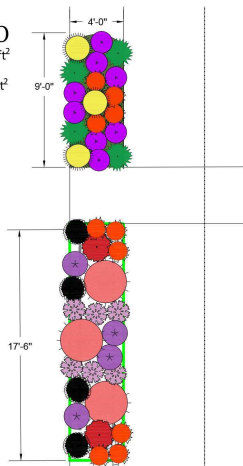
5) 5501 Fremont Ave S- Installed 2020

Boulevard raingarden designed to infiltrate rainwater runoff from sidewalk



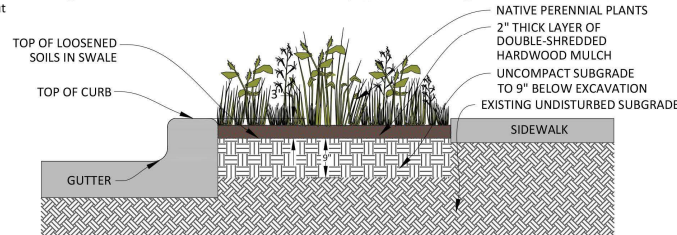
RAINGARDEN INFO

- Total Landscaped Area: 112 ft²
- Area of Raingarden: 74 ft²
- Area of Native Planting: 38 ft²
- Depth of Raingarden: 3"
- Mulch @ 2" deep: .75 yd³



INSTALLATION + MAINTENANCE NOTES

- Haul sod and Soil
- Watch for water and gas lines
- Crew to remove sod and soil at location of proposed raingarden in boulevard, and install raingarden per detail.
- Crew to uncompact soils up to 9" deep in raingarden
- Crew will spread 2" double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>



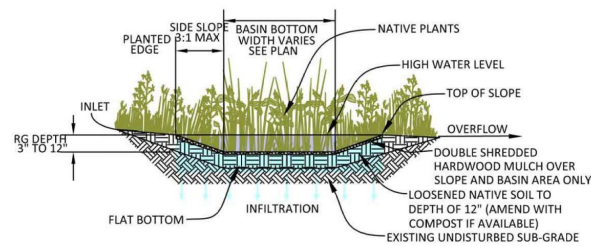
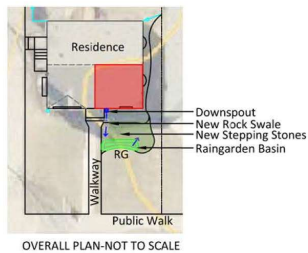
PLANT LIST

ICON	QTY.	COMMON NAME	Scientific name	HT	SPACING	BLOOM
PERENNIALS						
●	3	Culver's Root	Veronicastrum virginicum	3'-6"	2'	June-Aug
●	10	Butterfly Weed	Asclepias tuberosa	2'-3'	18"	June-Aug
●	6	Marsh Blazing Star	Liatris spicata	3'	18"	July-Aug
●	2	Bee Balm	Monarda didyma	2'-4'	2'	July-Aug
●	3	Feather Reed Grass	Calamagrostis 'Karl Foerster'	3'-5'	2'	May-Oct
●	8	Meadow Blazing Star	Liatris ligulistylis	1'-3'	18"	July-Sept
●	3	Shenandoah Switchgrass	Panicum virgatum 'Shenandoah'	3'-4'	3'	July-Oct
●	4	Prairie Dropseed	Sporobolus heterolepis	2'-3'	2'	Aug-Oct



6) 1301 W. 58th St- Installed 2020

Designed to infiltrate roof runoff from downspout via rock swale – note the rabbit fencing to protect new plants!

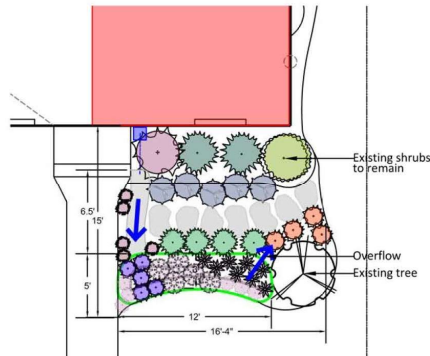


INSTALLATION + MAINTENANCE NOTES

- Rock swale will convey runoff from downspout to raingarden.
- Client will need to purchase 3 (5 gal.) buckets of 2-6" river rock prior to installation and crew will place rock.
- Stepping stones are optional and if purchased by Client prior to crew work, crew will place stepping stones.
- Crew to remove sod and haul sod and soil.
- After excavation, crew will loosen existing soils up to 9" deep in raingarden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between raingarden and lawn (by property owner)
- More garden maintenance information is available at <https://metroblooms.org/resources>

RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 216 ft²
- Area of Raingarden: 37 ft²
- Area of Native Planting: 110 ft²
- Area of Rock Swale: 9 ft²
- Depth of Raingarden: 4"
- Mulch @ 2" deep: 0.75 yd³



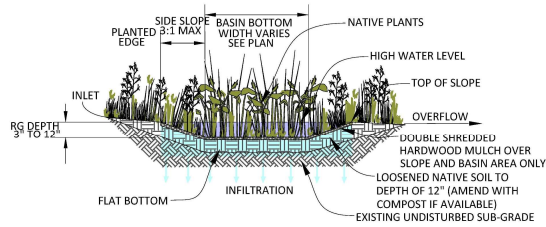
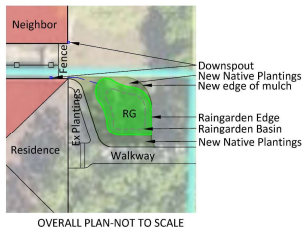
PLANT LIST

	QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS						
	4	Butterfly Weed	Asclepias tuberosa	2'-3'	18"	June-Aug
	5	Catmint	Nepeta 'Walker's Low'	2'	18"	June-Aug
	5	Great Blue Lobelia	Lobelia siphilitica	2'-3'	18"	July-Sept
	5	Marsh Blazing Star	Liatris spicata	3'	18"	July-Aug
	8	Pale Purple Coneflower	Echinacea pallida	2'-3'	1'	June-July
	4	Prairie Dropseed	Sporobolus heterolepis	2'-3'	2'	Aug-Oct
	5	Prairie Smoke	Geum triflorum	9"	1'	May-July
	6	Pink Pussytoes	Antennaria dioica rubra	9"	18"	April-June



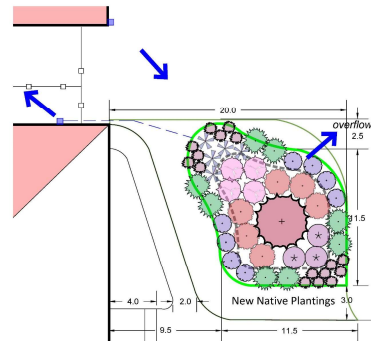
7) 5584 Emerson Ave S - Installed 2019

Designed to infiltrate sidewalk runoff



RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 448 ft²
- Area of Raingarden: 136 ft²
- Area of Native Planting: 103 ft² (Homeowner to plant later)
- Depth of Raingarden: 4"
- Mulch @ 2" deep: 1.5 yd³



INSTALLATION + MAINTENANCE NOTES

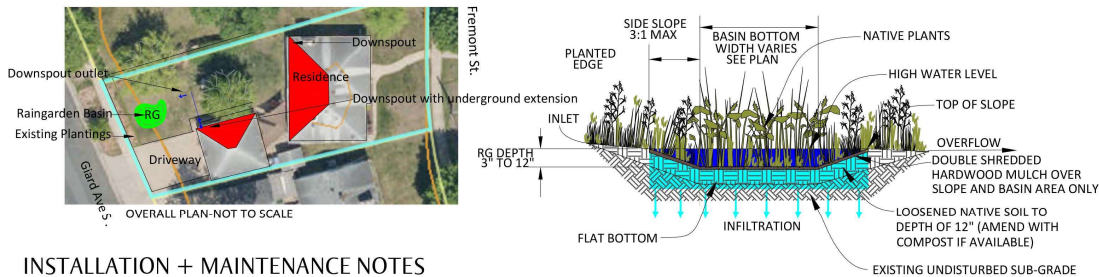
- Option for homeowner to extend downspout on Northeastern corner to raingarden. Raingarden sized to take in 1.1" rain event from neighborhood DS and quarter of homeowner's roof if DS is redirected.
- Crew to remove sod up to new native planting border.
- Crew to excavate raingarden area, loosening existing soils up to 9" deep in raingarden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG and in new native planting area.
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between raingarden and lawn (by property owner)
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>

PLANT LIST

QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS					
6	Bee Balm	Monarda didyma	2'-4'	2'	July-Aug
5	Blue Flag Iris	Iris versicolor	2'	18"	May-June
8	Ohio Spiderwort	Tradescantia ohiensis	2'	18"	May-July
16	Prairie Dropseed	Sporobolus heterolepis	2'-3'	2'	Aug-Oct
16	Prairie Smoke	Geum triflorum	9"	1'	May-July
4	Purple Coneflower	Echinacea purpurea	2'-5'	2.5'	June-Aug
3	Rose Milkweed	Asclepias incarnata	4'	2'	July-Aug
SHRUBS					
1	Arctic Fire Red Twig Dogwood	Cornus sericea 'Farrow'	5'-6'	4'	May-June

8) 6028 Fremont Ave S - Installed 2020

Designed to infiltrate sidewalk runoff



INSTALLATION + MAINTENANCE NOTES

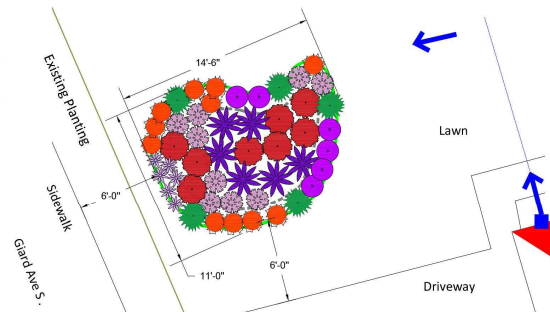
- Haul soil and sod
- After excavation, crew will loosen existing soils up to 9" deep in rain garden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between rain garden and lawn (by property owner)
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>

RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 680 ft²
- Area of Rain garden: 121 ft²
- Depth of Rain garden: 6"
- Mulch @ 2" deep: 1 yd³

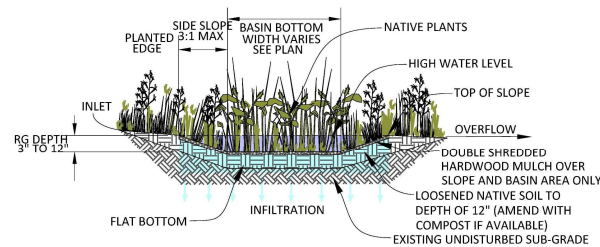
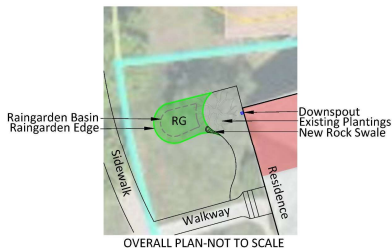
PLANT LIST

ICON	QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS						
	8	Bee Balm	Monarda didyma	2'-4'	2'	July-Aug
	11	Butterfly Weed	Asclepias tuberosa	2'-3'	18"	June-Aug
	9	Marsh Blazing Star	Liatris spicata	3'	18"	July-Aug
	6	Meadow Blazing Star	Liatris ligulistylis	1'-3'	18"	July-Sept
	6	Pale Purple Coneflower	Echinacea pallida	2'-3'	1'	June-July
	6	Purple Coneflower	Echinacea purpurea	2'-5'	2.5'	June-Aug
	5	Prairie Dropseed	Sporobolus heterolepis	2'-3'	2'	Aug-Oct



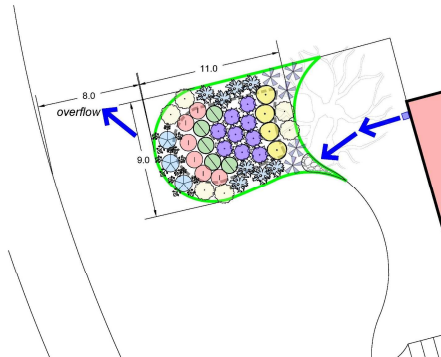
9) 6005 Girard Ave S - Installed 2019

Designed to rainwater runoff from roof via rock swale



RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 265 ft²
- Area of Raingarden: 93 ft²
- Area of Rock Swale: 4 ft²
- Depth of Raingarden: 4"
- Mulch @ 2" deep: 0.5 yd³



INSTALLATION + MAINTENANCE NOTES

- Homeowner to provide 1 - 5 gallon bucket of 4-6" rock for swale.
- Crew to remove sod and excavate.
- After excavation, crew will loosen existing soils up to 9" deep in raingarden and planted areas.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between raingarden and lawn (by property owner)
- More garden maintenance information is available at <https://metrobloms.org/resources/maintenance/>

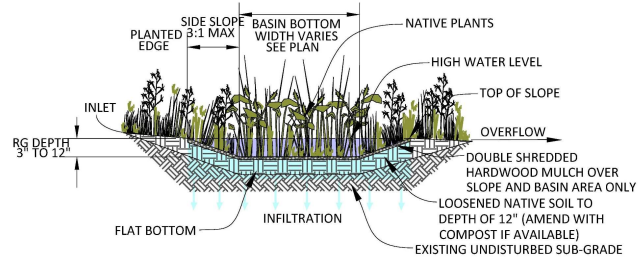
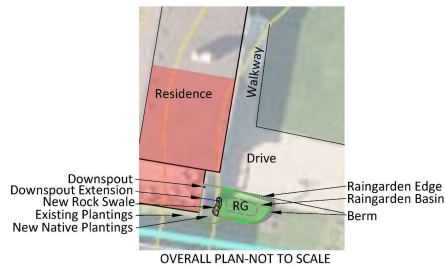
PLANT LIST

QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS					
8	Big-Leaved Aster	Aster macrophyllus	1'-2'	18"	Aug-Sept
5	Blue Flag Iris	Iris versicolor	2'	18"	May-June
6	Columbine	Aquilegia canadensis	1'-3'	1'	May-July
9	Great Blue Lobelia	Lobelia siphilitica	2'-3'	18"	July-Sept
3	Jacob's Ladder	Polemonium reptans	1'	1'	Apr-June
6	Tall Thimbleweed	Anemone virginiana	2'-3'	18"	June-Aug
5	Solomon's Seal	Polygonatum odoratum	2'-3'	18"	April-May
4	Zig Zag Goldenrod	Solidago flexicaulis	3'	18"	Aug-Oct



10) 6051 James Ave S - Installed 2019

*Designed to infiltrate rainwater runoff from roof.
Located in back yard and visible from
Grass Lake Terrace.*



INSTALLATION + MAINTENANCE NOTES

- Homeowner to move downspout over two feet to extend into center of RG.
- Homeowner to provide 1 - 5 gallon bucket of rock for downspout inlet.
- Crew to remove sod and excavate.
- After excavation, crew will loosen existing soils up to 9" deep in raingarden and planted areas.
- Crew to create 3:1 slope for new planting bed between the garage wall and the western side of the RG.
- Crew to add rock at downspout inlet.
- Crew to add berm on eastern side of RG, at 3:1 slope.
- Crew will add 2" of double-shredded hardwood mulch to hold in moisture & prevent weed growth in RG
- Water plants at least 1" per week for the first year during the growing season to establish root structure
- Keep garden free of weedy invasive plants
- Edging is recommended between raingarden and lawn (by property owner)
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>

RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 590 ft²
- Area of Raingarden: 60 ft²
- Area of Native Planting: 26 ft²
- Area of Rock Swale: 4 ft²
- Depth of Raingarden: 6"
- Mulch @ 2" deep: 0.5 yd³

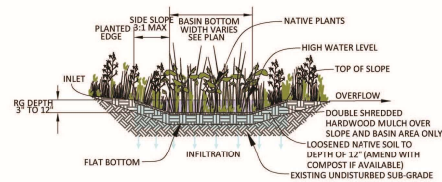
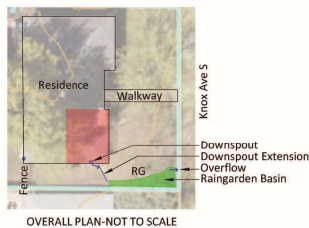
PLANT LIST

QTY.	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS					
3	Catmint	Nepeta 'Walker's Low'	2'	18"	June-Aug
3	Feather Reed Grass	Calamagrostis 'Karl Foerster'	3'-5'	2'	May-Oct
9	'Husker Red' Penstemon	Penstemon digitalis 'Husker Red'	1'-3'	18"	April-June
13	Lanceleaf Coreopsis	Coreopsis lanceolata	1'	1'	May-June
4	Marsh Blazing Star	Liatris spicata	3'	18"	July-Aug
4	Prairie Dropseed	Sporobolus heterolepis	2'-3'	2'	Aug-Oct



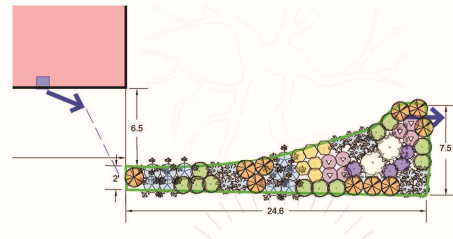
11) 6006 Knox Ave S - Installed 2020

Designed to infiltrate rainwater runoff from roof and to redirect runoff away from neighbor's house.



RAINGARDEN INFO

- Impervious Area of Captured Stormwater : 347 ft²
- Area of Rain garden: 92 ft²
- Depth of Rain garden: 4\"
- Mulch @ 2\"



INSTALLATION + MAINTENANCE NOTES

- After excavation, crew will loosen existing soils up to 9\"
- Crew will add 2\"
- Water plants at least 1\"
- Keep garden free of weedy invasive plants
- Edging is recommended between rain garden and lawn (by property owner)
- More garden maintenance information is available at <https://metroblooms.org/resources/maintenance/>

PLANT LIST

ICON	QTY	COMMON NAME	SCIENTIFIC NAME	HT	SPACING	BLOOM
PERENNIALS						
	2	Black Cohosh	Cimifuga racemosa	6'-7'	2'	May-Sept
	13	Big-Leaved Aster	Aster macrophyllus	1'-2'	18"	Aug-Sept
	4	Great Blue Lobelia	Lobelia siphilitica	2'-3'	18"	July-Sept
	10	Jacob's Ladder	Polemonium reptans	1'	1'	Apr-June
	11	Lady's Mantle	Alchemilla mollis	1'-2'	18"	Apr-June
	6	Lanceleaf Coreopsis	Coreopsis lanceolata	1'	1'	May-June
	10	Orange Coneflower	Rudbeckia fulgida	3'	18"	July-Sept
	7	Rose Turtlehead	Chelone 'Hot Lips'	2'-3'	2'	July-Sept

