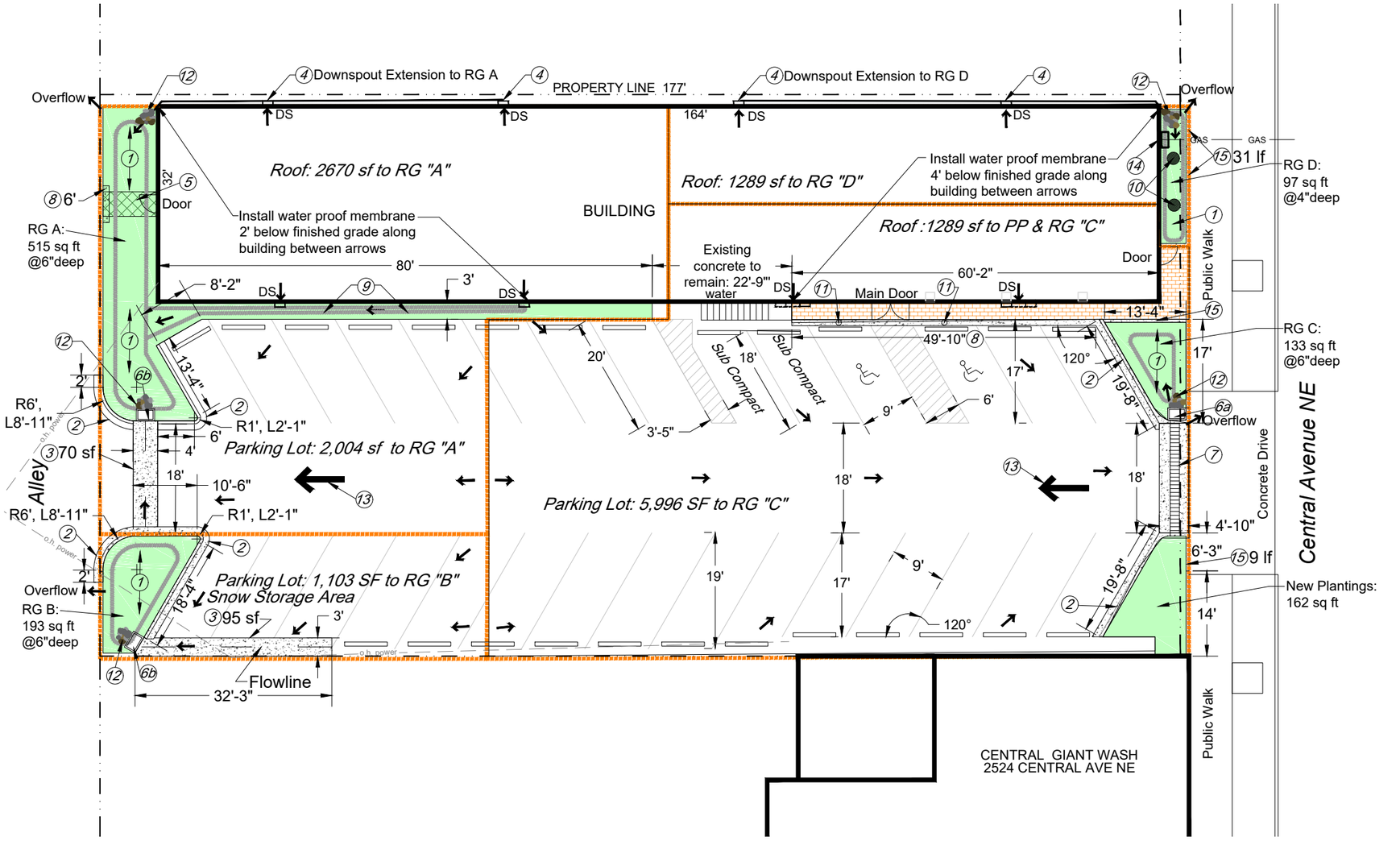


SITE PLAN

NOTES

All dimensions are from face of curb.

If rainfall causes fines to clog the native soil surface at bottom of the of the raingarden during excavation, hand rake the surface to a depth of 3" to restore infiltration capacity before placing mulch.

All new to meet all standards and specifications set by the City of Minneapolis. All concrete work is to meet the qualifications set forth in MN/DOT specification 2521.

Call the facility designer, Rich Harrison, at 763-443-5802 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.

Provide erosion control protection at stormwater catch basin inlets adjacent to site.

Keep all large equipment out of raingarden basins. No large equipment or vehicles shall be driven in areas where raingardens are to be installed.

Call before you dig! Contractor is responsible for calling Gopher One Call at 811 or visit www.gopherstateonecall.org for more information, and to have utilities marked prior to beginning construction. Note that private utilities may be present.

Parking lot striping to be 4" wide, MNDOT approved epoxy white paint, apply per manufacturer's specifications.

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

NORTH

LEGEND

1. Raingarden: Depth as shown on plan, construct per Detail 1/L4
2. 6/12 Curb & Gutter, See Detail 4/L4
3. Concrete Swale, See Detail 3/L5
4. Extend downspout at minimum of 2% slope to raingarden
5. Steel Bridge, Galvanized Steel Deck Bar Grating, McNichols Company.
6a. Pre-Treatment Structure, Forterra Rain Guardian Turret.
6b. Pre-Treatment Structure, See Detail 5/L5
7. Trench Drain, See Detail 1/L5
8. 12" Zero Curb, See Detail 3/L4
9. Rock/Vegetated Swale, See Detail 5/L4
10. Rock Infiltration Column, 18" dia. x 6' depth, 3/4" to 1" clear crushe aggregate.
11. Steel Pipe Bollard, See Detail 2/L5
12. 4"-8" fieldstone boulders, to dissipate runoff. Boulders to be half-buried in soil.
13. One-way arrow to be painted per MnDOT specifications
14. Caution: Existing Gas Utility
15. 6" Planting Curb, See Detail 4/L5

Drainage Arrow-Direction of water flow

DS Downspout

Drainage Area

Raingarden Basin Outline

1340 sq ft — New Landscaped Areas: Loosen soil and mix 1" organic leaf compost 9" below grade after final grading is complete. Place 2" double shredded hardwood mulch after site preparation is complete.

235 sq ft — New Permeable Pavement, see Detail 2/L4

Metro Blooms
www.metroblooms.org
651-699-2426

Islamic Cultural Community Center
2534 Central Ave NE
Minneapolis, MN 55418

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Signature

Name

License # Date

REVISION LOG

NO.	DATE	DESCRIPTION

-
PROJECT NUMBER

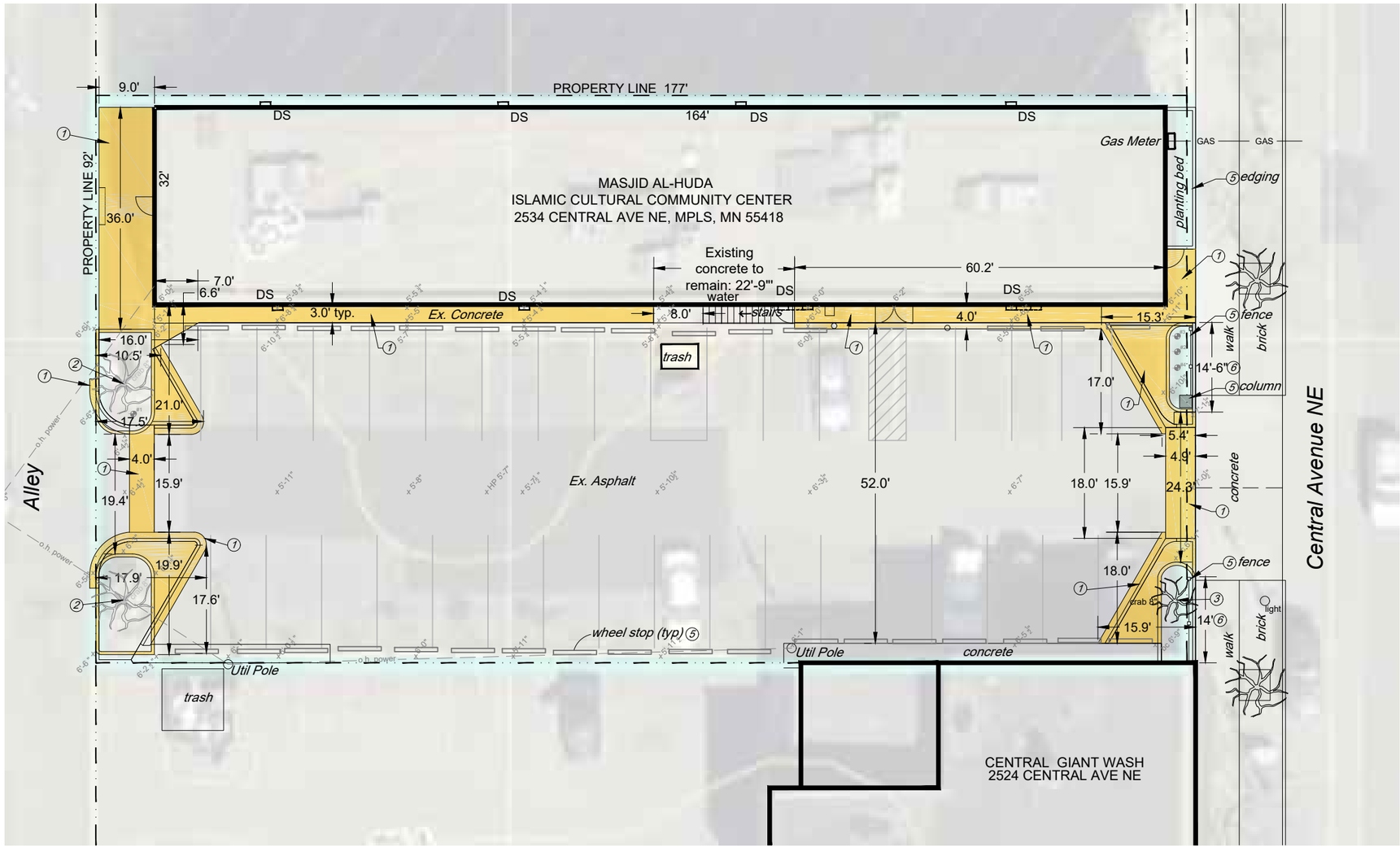
JFE
DRAWN BY

RGH
CHECKED BY

Action Grant Submittal

SITE PLAN

L1



DEMOLITION PLAN

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

NORTH

LEGEND

1. Sawcut and remove existing pavement
2. Remove existing tree
3. Existing tree to remain, protect roots from damage during construction.
4. Save existing wheel stops to be re-used as shown on Site Plan, Sheet L1.
5. Demo existing column, fencing, or wood edging
6. Preserve existing curb

DS Downspout

+6'-3½" Existing Spot Elevation

#1 Soil Boring Location

Existing Tree to Remain

Existing Tree to be Removed

1516 sq ft — Remove existing pavement and curbs (where shown), including subgrade to native soils. Install waterproofing to depth of 2' where demo is adjacent to building. See L1 for additional information.

DEMO NOTES

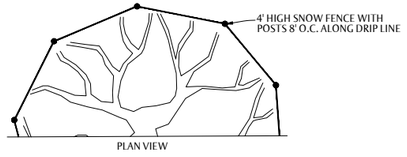
Remove aggregate base in locations where new planting beds are proposed.

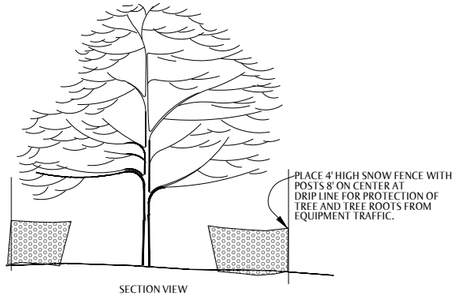
Protect existing concrete apron at entrance, existing concrete sidewalk, and any existing concrete to remain.

Contractor is responsible for the location, marking and protection of all site utilities and services whether public or private.

Damaged utilities will be repaired immediately at contractor's expense.

Protect existing trees shown to remain, see Detail (1 / L2)





(1 / L2) Tree Protection Detail
NOT TO SCALE

Metro Blooms
www.metroblooms.org
651-699-2426

Islamic Cultural Community Center
2534 Central Ave NE
Minneapolis, MN 55418

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Signature

Name

License # Date

REVISION LOG

NO.	DATE	DESCRIPTION

PROJECT NUMBER -

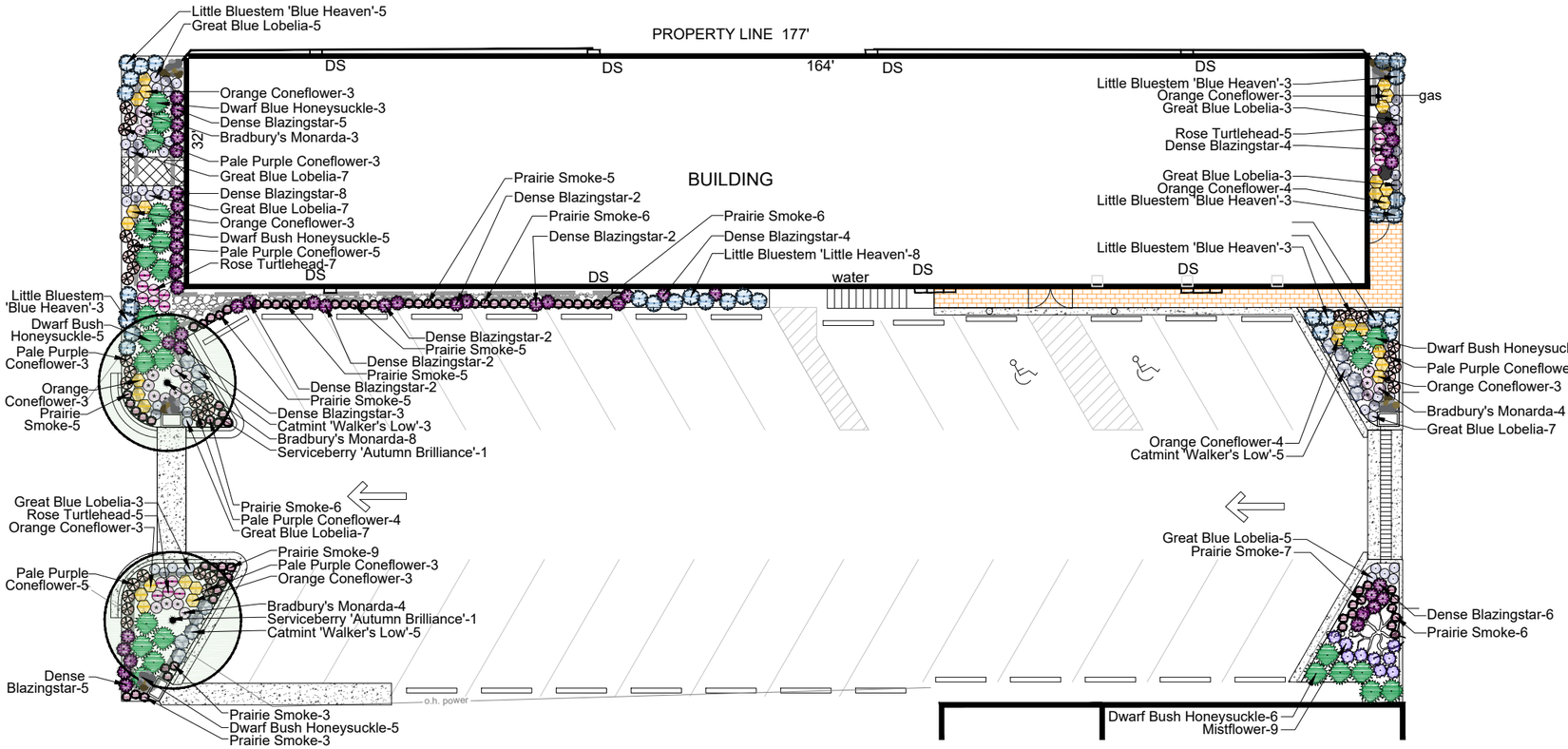
DRAWN BY JFE

CHECKED BY RGH

Action Grant Submittal

Existing Conditions & Demo Plan

L2



PLANTING PLAN

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

NORTH

PLANT SCHEDULE

QTY		COMMON NAME	SCIENTIFIC NAME	Spacing	Container Size	Ht.
14		Bradbury's Monarda	*Monarda bradburiana*	18"	#1	2.5'
13		Catmint 'Walker's Low'	*Nepeta 'Walker's Low'*	2'	#1	2'
45		Dense Blazing Star	*Liatris spicata*	18"	#1	2-3'
27		Dwarf Bush Honeysuckle	*Diervilla lonicera*	3.5'	#5	4'
49		Great Blue Lobelia	*Lobelia siphilitica*	15"	#1	2.5'
30		Little Bluestem 'Little Heaven'	*Schizachyrium scoparium 'MinnblueA'*	2'	#1	3'
9		Mistflower	*Conoclinium coelestinum*	18"	#1	2'
29		Orange Coneflower	*Rudbeckia fulgida*	18"	#1	2.5'
31		Pale Purple Coneflower	*Echinaciea pallida*	18"	#1	2.5'
72		Prairie Smoke	*Geum triflorum*	12"	4"	6"
22		Rose Turtlehead	*Chelone obliqua*	18"	#1	2.5'
22		Serviceberry 'Autumn Brilliance'	*Amelanchier arborea 'Autumn Brilliance'*	n/a	#20	20'

PLANTING NOTES

See Sheet L1 for site preparation instructions, notes and detail references.

Plant according to Planting Details, (1 / L3)

Quantities of plants shown on plan supercede those listed in Plant Schedule, where discrepancies occur.

All plant material shall be true to their scientific name and size as indicated on the plant list.

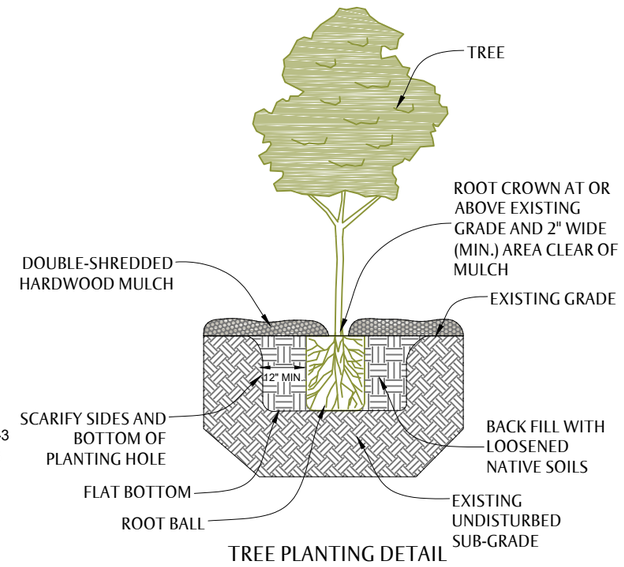
Owner reserves the right to revise quantities and sizes to suit budget limitations.

All plant material must meet or exceed current American Standards for Nursery Stock.

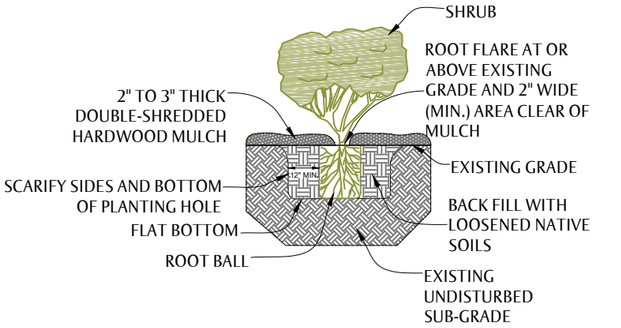
Area of new landscaping: 1,340 SF

1-inch organic leaf compost to be incorporated into all planted areas: Approx. 4 CY

3-inchs double-shredded hardwood mulch to spread evenly over all planted areas: Approx. 12.4 CY



TREE PLANTING DETAIL



SHRUB PLANTING DETAIL

- Remove dead or damaged branches. Retain natural form of tree/shrub.
- Identify the root flare. Remove excess soil from the root ball before planting if the flare is not visible. The root flare should be partially visible above ground after planting.
- Dig a shallow, broad planting hole that is 2- to 3-times wider than the root ball but only as deep as the root ball.
- Roughen the soil on the sides of the hole with a shovel or rake.
- Fill hole with water once and allow to soak into ground prior to planting.
- Remove the container from the root ball and inspect for circling roots. Straighten, cut or remove circling roots before planting.
- Place the plant in the center of the hole. Make sure the root flare is pronounced (at or above existing soil grade) and that the plant is placed vertically in the hole.
- Fill the hole gently but firmly. First, pack soil around the base of the root ball to stabilize it then fill the remainder of the hole. Firmly packing the soil and watering the soil during and after backfilling will help to eliminate air pockets that may dry out roots.
- Mulch the base of the plant. Make sure there is a 2" wide area around the base of the stem that is mulch free to prevent moist bark conditions and prevent decay.
- Water at least 1" per week for duration of first year to establish root structure. More watering may be needed in times of drought.
- Keep area free of weedy plants.

(1 / L3) Planting Details
NOT TO SCALE

Metro Blooms
www.metroblooms.org
651-699-2426

Islamic Cultural Community Center
2534 Central Ave NE
Minneapolis, MN 55418

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Signature

Name

License # Date

REVISION LOG

NO.	DATE	DESCRIPTION

PROJECT NUMBER -

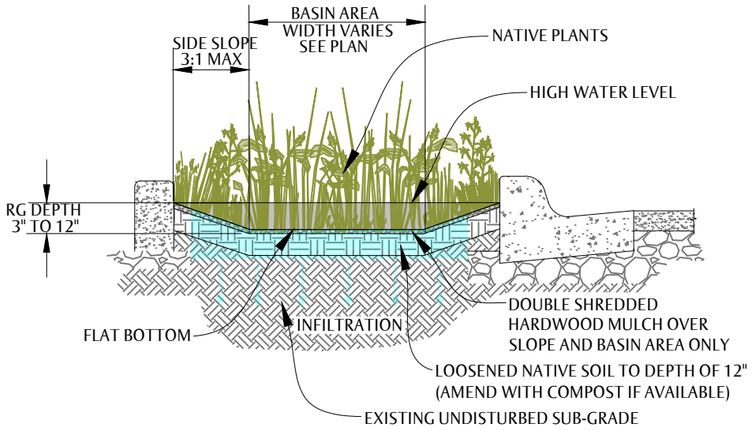
DRAWN BY JFE

CHECKED BY RGH

Action Grant Submittal

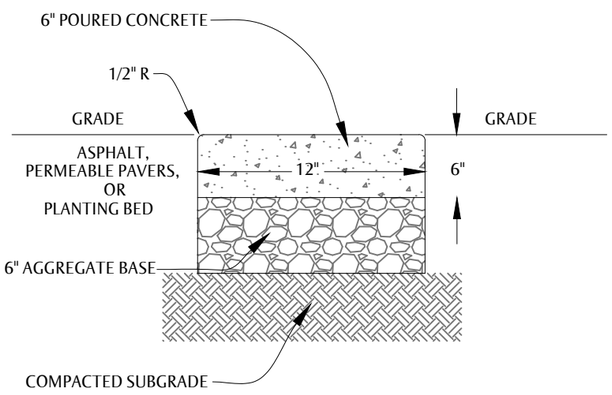
PLANTING PLAN

L3



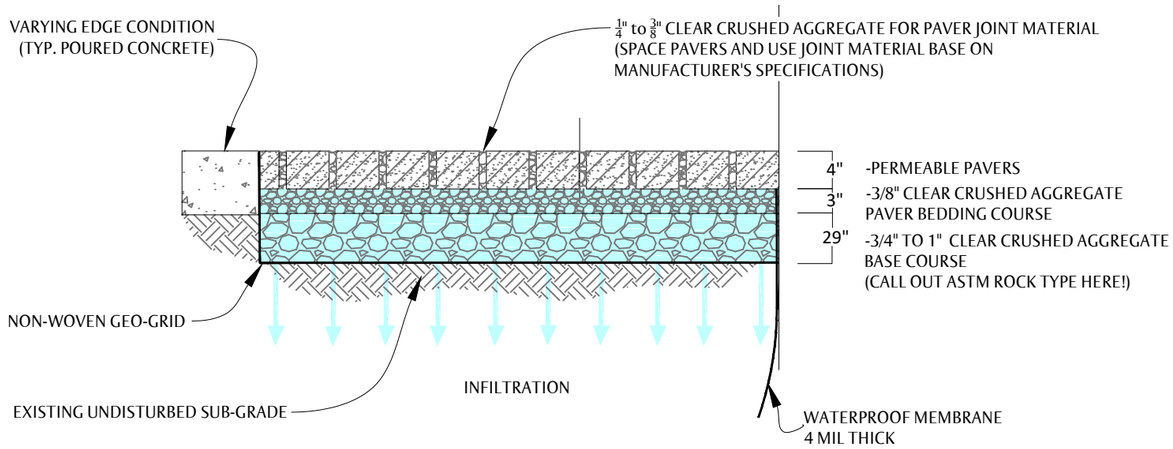
- Contractor to remove existing sub-soil below the finished depth of the raingarden to a depth of 12" and haul offsite. Contractor to replace with planting soil.
- Planting soil mixture to be a mix of 20% per volume organic compost to 80% sand to be approved by Landscape Architect.
- Excavation and loosening of the subsoil shall be completed with a backhoe to minimize compaction of the bottom of the raingardens.
- Infiltration areas (the area of the raingarden as defined by the top elevation of the facility) shall be fenced off from the first day of earth moving until project completion to prevent compaction of the subgrade, dirt tracking onto any layer of the facility and stockpiling of construction materials that may clog the surface.
- During excavation of native soils to the the bottom of the facility, rainfall may cause fines to clog the 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.
- During area drain installation, disturb native soils as little as possible.
- A flat bottom to the raingarden will ensure equal stormwater distribution and efficient infiltration. Create a berm, as needed, along the edge of the raingarden near the overflow.
- Install with plants as per planting plan. Water plants at least 1" per week for duration of first year to establish root structure.
- Keep raingarden free of weedy plants.
- Cut back decaying plant material and add compost in early spring before new growth.

1 / L4 RAINGARDEN DETAIL
NOT TO SCALE



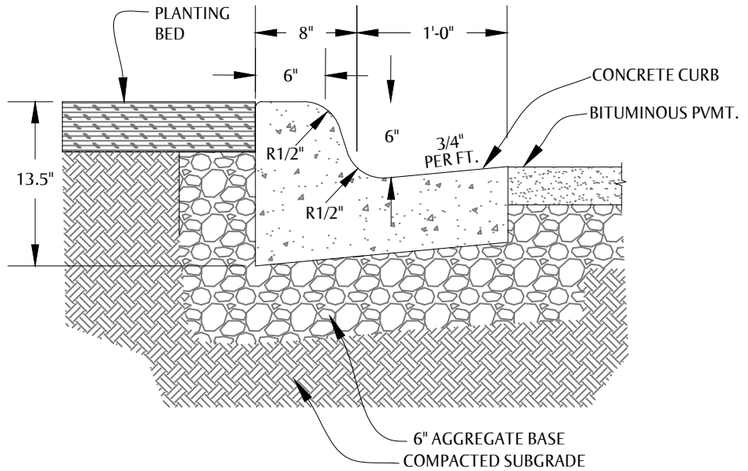
- Aggregate base to be Class 5 crushed limestone.

3 / L4 12" ZERO CURB
NOT TO SCALE



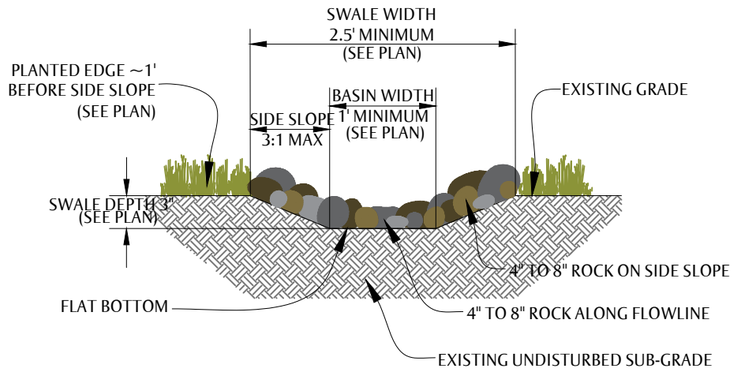
- Permeable Pavement product to be Borgert FiltraPave or equivalent with approval by Landscape Architect.
- A field test showing native soils infiltration rate shall be submitted directly after removal of existing driveway surface and excavation of material to the design depth of 2'.
- The general contractor shall submit a narrative identifying how pervious pavement surfaces will be protected from receiving sediment during the entire construction project.
- 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 to the facility. If the native soil has been exposed to rainfall, hand rake the surface to a depth of 3" to restore infiltration capacity.
- Aggregate base course and bedding course shall be delivered clean and swashed 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 of the pile and place rock. Hose off rock as needed as the pile diminishes since fines will migrate to lower levels of the pile.

2 / L4 PERMEABLE PAVERS
NOT TO SCALE



- Aggregate base to be Class 5 crushed limestone.

4 / L4 B 6/12 CURB SECTION
NOT TO SCALE



- Rock to be fieldstone boulders or other to be approved by Owner.
- The longitudinal channel slope of the swale (ie. flow line) should be between 2% and 4%. Check dams should be installed every 50 feet if the longitudinal slope exceeds 4%.
- The subsurface of the swale should be left as existing and constructed to avoid compaction of the soil. Do not drive or place heavy equipment in rock swale. During construction store bulk materials (soil, mulch, plant material, rock, etc.) away from swale area.
- Keep rock swale free of weedy plants.

5 / L4 ROCK SWALE DETAIL
NOT TO SCALE

Metro Blooms
www.metroblooms.org
651-699-2426

Islamic Cultural Community Center
2534 Central Ave NE
Minneapolis, MN 55418

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Signature

Name

License # Date

REVISION LOG

NO.	DATE	DESCRIPTION

-
PROJECT NUMBER

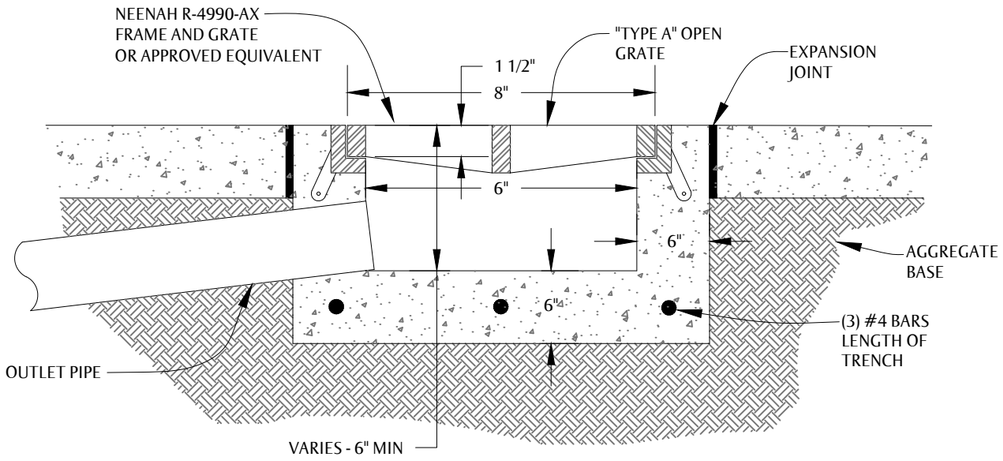
JFE
DRAWN BY

RGH
CHECKED BY

Action Grant Submittal

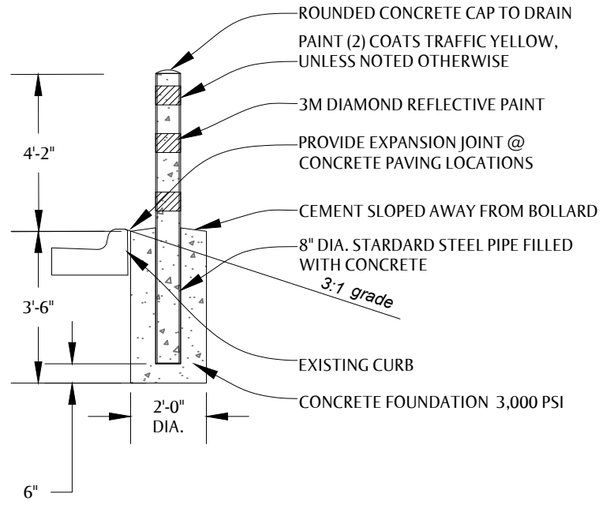
DETAILS

L4

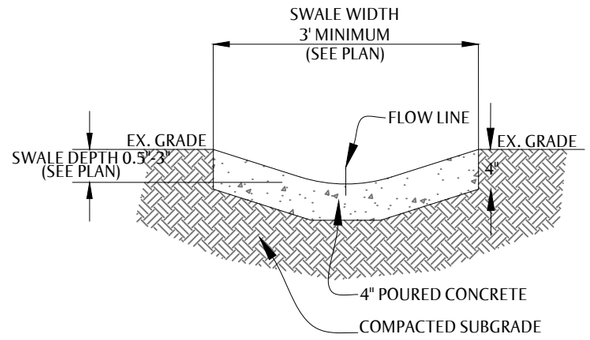


- Aggregate base to be Class 5 crushed limestone.

1 L5 TRENCH DRAIN
NOT TO SCALE

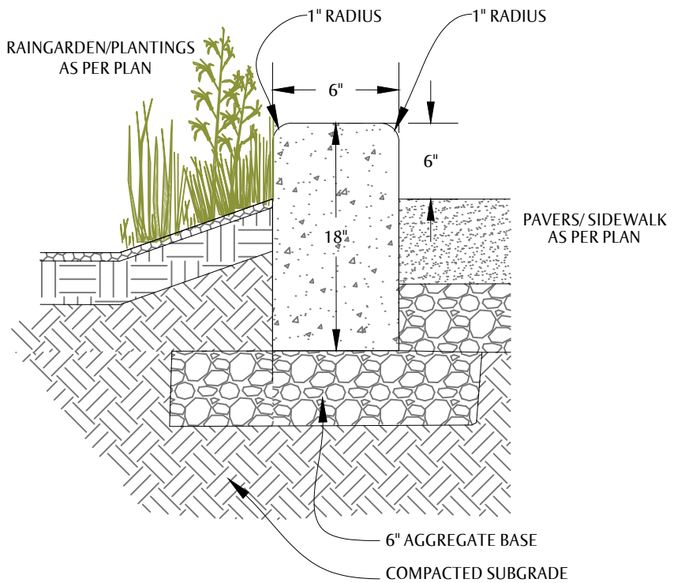


2 L5 STEEL PIPE BOLLARD
NOT TO SCALE



- Depth of concrete swale at flow line to vary from 0.5" to 3", to be sloped towards pre-treatment structure.
- Minimun slope to be 0.5%

3 L5 CONCRETE SWALE DETAIL
NOT TO SCALE



- Aggregate base to be Class 5 crushed limestone.

4 L5 6" PLANTING CURB
NOT TO SCALE

5 L5 CONCRETE FOREBAY - PRE-TREATMENT STRUCTURE
NOT TO SCALE

Metro Blooms
www.metroblooms.org
651-699-2426

Islamic Cultural Community Center
2534 Central Ave NE
Minneapolis, MN 55418

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Signature

Name

License # Date

REVISION LOG

NO.	DATE	DESCRIPTION

-
PROJECT NUMBER

JFE
DRAWN BY

RGH
CHECKED BY

Action Grant Submittal

DETAILS

L5