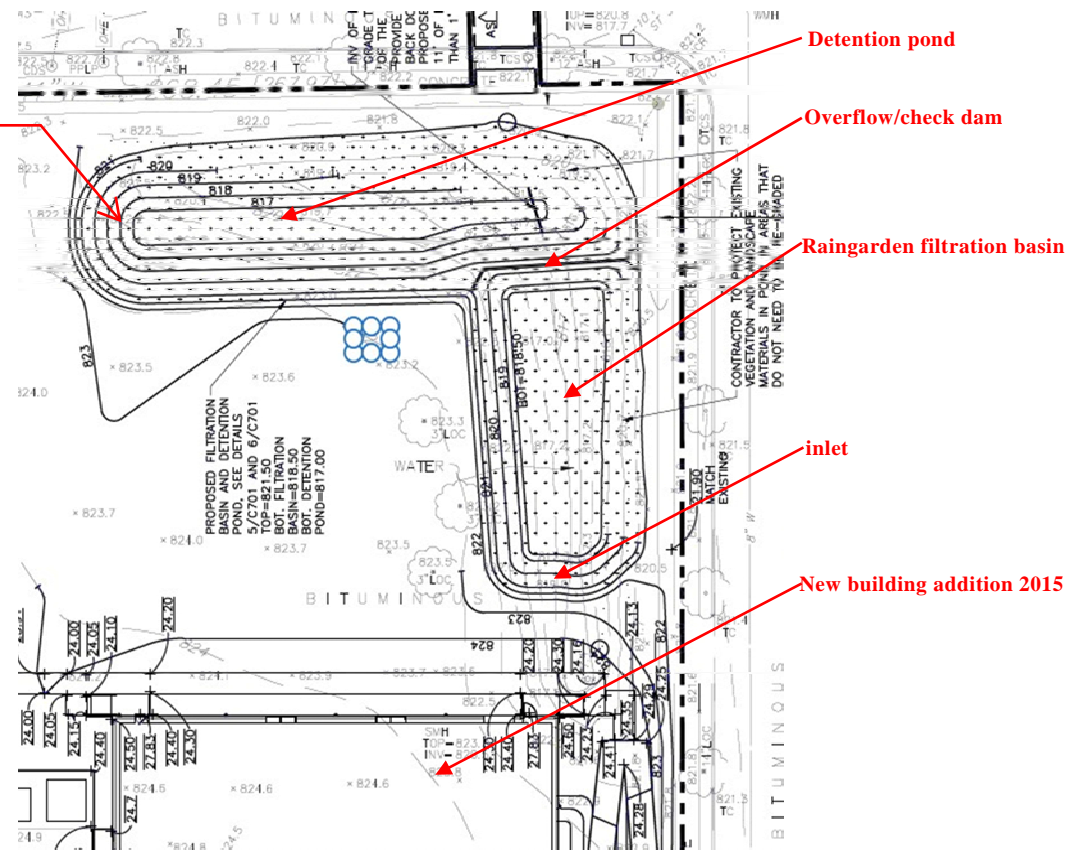


Rain Garden/Bioretention



- 1 Impervious Area Treated
- 2 Impervious Area
- - - Drainage Area Treated
- Property Line
- - - BMP
- Pipe Conveyance
- - - Drain Tile
- Catch Basin

TOTAL PROPERTY - 159,395sq ft / 3.66 acre	
TOTAL IMPERVIOUS: 90,383 / 2.07 acre	IMPERVIOUS to BMP: 66,803 sq ft
BUILDING - 59,111 sq ft	BUILDING - 44557 sq ft
PARKING - 35772 sq ft	PARKING - 20,303 sq ft
SIDEWALK - 3,357	
TOTAL PERVIOUS: 61,155 sq ft / 1.58 acre	
TURF - 50,905 sq ft	TOTAL IMPERVIOUS TREATED: 68%
RAINGARDEN - 10,250 sq ft	

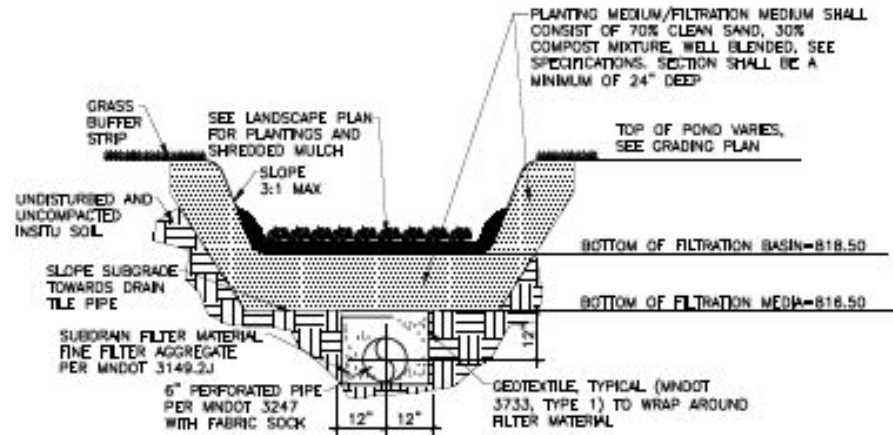


Sanford Middle School
3524 42nd Ave S
Minneapolis, MN 55406
BMP ID: 1154

Location:
 North Side of property, at corner
 of E 35th and 42nd Ave S.

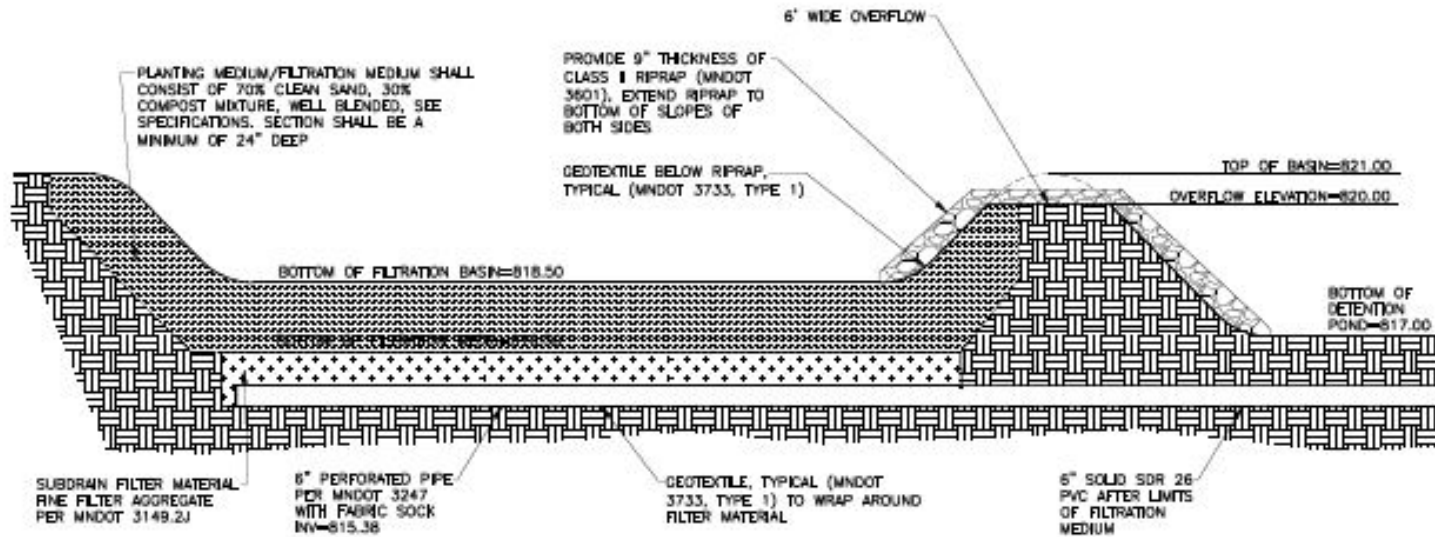
Inspection Frequency:
 3x per growing season, with one visit within 48 hours after a rain event of at least 1 inch

Description of Devices: Raingarden collects rainwater runoff from two sub-catchment areas: one is most of the roof area of the school building, which is collected in an 18” RCP at NE corner of the building and inlets into the raingarden at its south end. A second contributing area encompasses most of the north end of the parking lot, and collects in a catch basin near the entrance doors to school from parking lot. This catch basin wyes into the roof’s 18” RCP via a 12” RCP. The rain garden is split into two cells; the upper basin, a filtration basin, is separated from the lower basin by a check dam that is armored with rip rap. A single underdrain runs under the upper basin and ties into the city system. On overflow pipe in the lower basin also connects to the city system.



5 FILTRATION BASIN

NO SCALE



6 FILTRATION BASIN CROSS SECTION

NO SCALE

**Inlet from
roof of
building**



**Raingarden
basin**



**South edge
of RG**



**Overflow
Structure
from
infiltration
basin**



BMP ID 1154		Bioretention/Rain Garden		
Inspection Date / / 20		Inspector:		
Inspection Activity	Observations Measurements	Maintenance	Maint. Required	Actions Required/Date Completed/Responsible Foreman
General: Inspect basin and contributing areas for dirt, trash, leaves etc.		Sweep and remove dirt, trash, leaves and litter/debris around catch basins in parking lot. Schedule a parking lot sweeping if necessary.	Yes No	/ / 20 Responsible Party:
Inspect inlets: Check for sediment and debris build-up at inlets, especially from parking lot		Remove accumulated sediment and debris with shovel and/or vacuum. Schedule a vacuum truck contractor if necessary.	Yes No	/ / 20 Responsible Party:
Vegetation: Inspect raingarden edge, basin bottom, swale and all landscape adjacent to or contributing to the basin for erosion, dead or diseased plants, weeds and bare spots.		Remove dead or diseased plants and weeds by pulling from the roots. Do not use herbicide. Re-plant any bare or denuded areas.	Yes No	/ / 20 Responsible Party:
Mulch: Inspect mulch condition and depth.		Mulch depth should be 2-3". Re-mulch exposed areas without vegetative cover. Use only double-shredded hardwood mulch.	Yes No	/ / 20 Responsible Party:
Dewatering Visual inspection for any standing water present in the basin.		Notify maintenance contractor of need for service if there is standing water at the surface 48 hours after a storm event. Schedule maintenance by Metro Blooms or another contractor.	Yes No	/ / 20 Responsible Party: