Rain Garden Soil Media Specifications

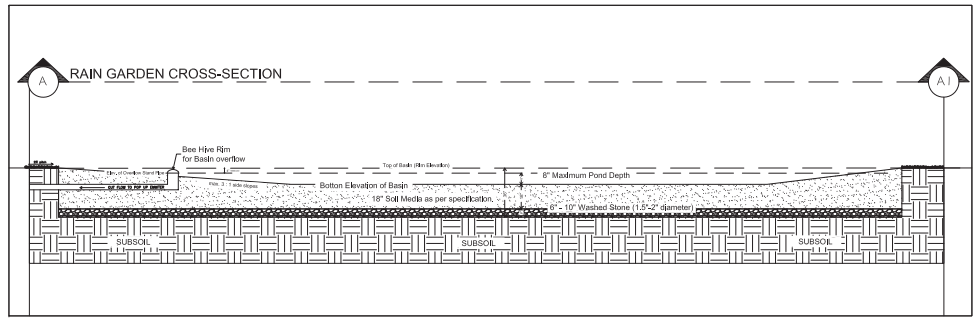
Taken from the NYS Stormwater Management Design Manual . This RAIN GARDEN detail is designed for "redevelopment projects" or "retro-fit" of existing stormwater infrastructure. The garden shall be at least 10' from basement foundations. Ponding depth shall not exceed 8" maximum. Initial excavation shall be to 3'-2" from the newly graded lawn elevations. Then backfill with with 6" layer of crushed gravel at 1.5" - 2" diameter stone and lightly compact. Follow-up with soil media backfill with three (3) slightly compacted 6" lifts - totaling 18" of planting soil.

The composition of the soil media should consist of 70% sand, 15% topsoil and 15% leaf compost.

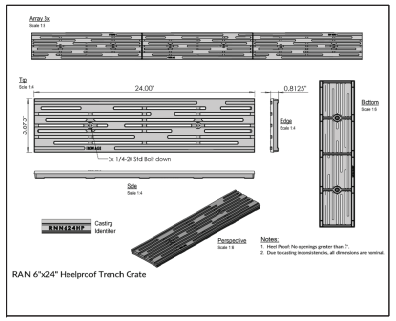
Mycorrhizal soil innoculant shall be used during plant installation as per directions outlined on the bag.

Inflow from new conveyance (drainage) system from trench drain to the basin shall be installed as specified on details with mitered drain outlet at the toe of the basin slope. The water from the average rain event will percolate into the subsoil and completely infiltrate, but for larger storm events a PVC stand pipe overflow shall be installed with a bee hive rim inlet. The overflow will get piped to a pop-up emitter downslope at an established planting area adjacent to basin.

A SOIL MEDIA SPECIFICATIONS

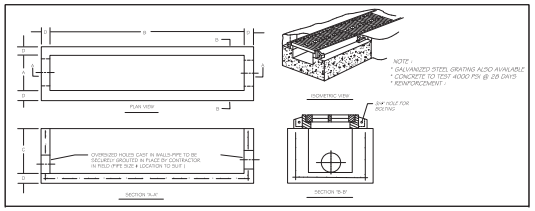


A DETAIL - RAIN GARDEN CROSS SECTION
SCALE : N.T.S.

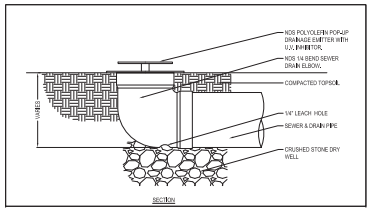


B DETAIL - TRENCH DRAIN BY IRON AGE
SCALE : N.T.S.

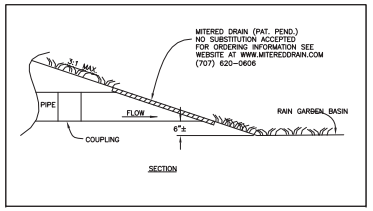
B EXAMPLE OF TRENCH DRAIN GRATE - 'RAIN DESIGN' BY IRON AGE



B' DETAIL - TRENCH DRAIN
SCALE : N.T.S.

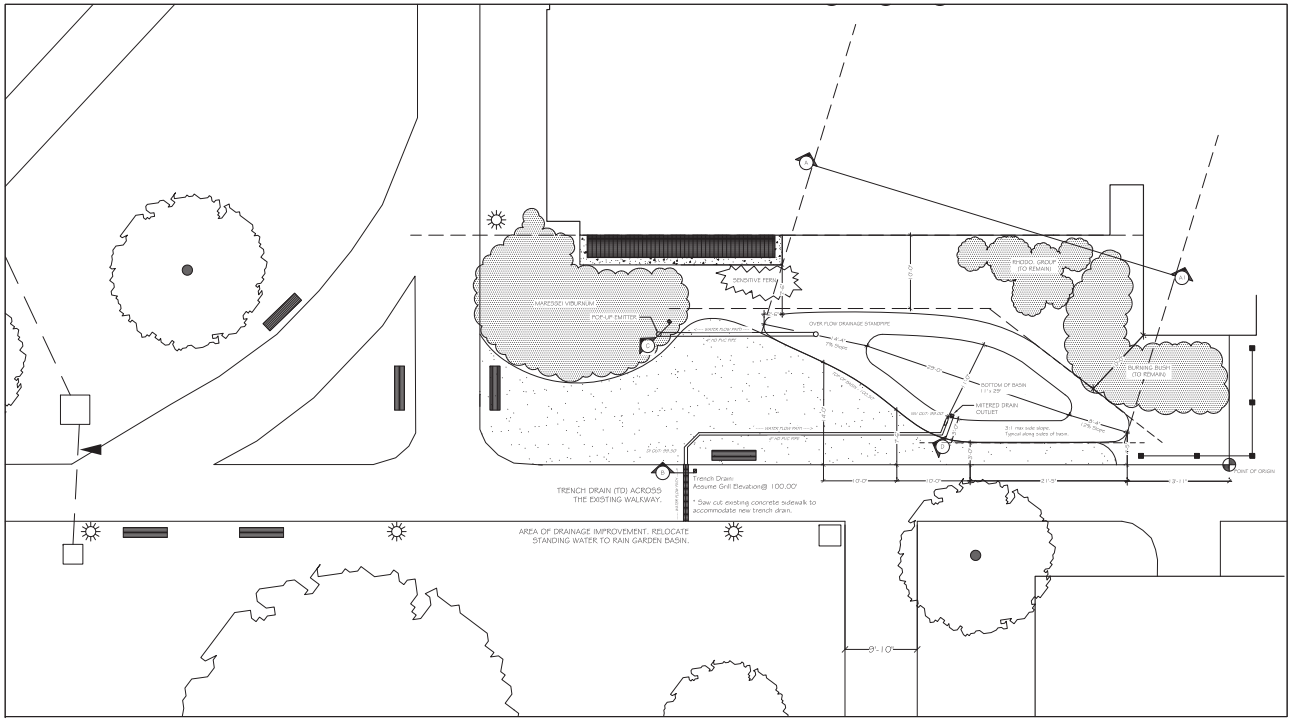


C DETAIL - POP-UP EMITTER
SCALE : N.T.S.



D DETAIL - MITERED DRAIN OUTLET
SCALE : N.T.S.

SITE PHOTO AFTER TYPICAL RAIN EVENT



PLAN - RAIN GARDEN
SCALE: 1/8" = 1'-0"

NORTH

REVISION DATE

Rockland
Community College
145 College Rd.
Suffern, New York 10901

RAIN GARDEN
LAYOUT PLAN AND
DETAILS

CARRIAGE HOUSE GARDENS
& ASSOICATES INC.
171 HUSTIS ROAD
COLD SPRING , NEW YORK 10516
PHONE: (845) 216 - 8587
greg@carriagehousegardens.net
www.carriagehousegardens.net

DATE	SCALE
FEB 28, 2018	1/8" = 1'-0"
DRAWN BY	DRAWING #
GM	C - 1