

RAINGARDEN ON STEEP SITE - Cross Section (clay soil)

INLET: All inlet pipes to the raingarden to discharge over large stones to prevent erosion. Flow energy dissipators may be required on pipes on slopes greater than 10% grade (see MCC Standard Drawing for Energy Dissipator)

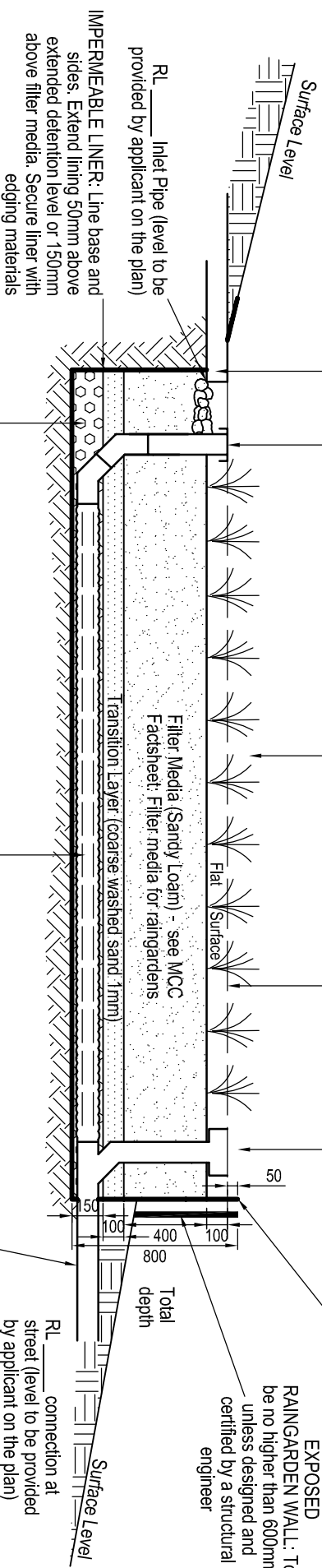
PLANTING: 50% of raingarden area to be planted with a minimum of two (2) species contained within MCC Facsheet: Local plant selection for raingardens. Remaining 50% to be planted with plants of owners choosing

TEMPORARY PONDING: Raingarden to temporarily pond 100mm of water maximum

OUTLET: Install UNI Pit TM200 or similar (225 x 225 x 89) for overflow outlet

FREEBOARD: Extend lining 50mm above extended detention level or 150mm above filter media

EXPOSED RAINGARDEN WALL: To be no higher than 600mm unless designed and certified by a structural engineer



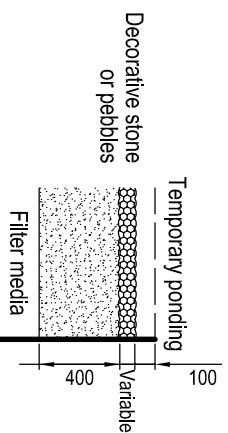
DRAINAGE LAYER: Clean aggregate, eg. gravel such as 2-5mm washed screenings

UNDERDRAINS: 100mm slotted PVC pipe WITHOUT geofabric on 1-2% grade

OUTLET PIPE: Typical 90mm sewer grade pipe laid at 1:100 grade to stormwater system. Ensure pipe is sealed (eg. taped) where it passes through the impermeable liner and provide a rigid kerb adaptor at the outlet

SEPARATION DISTANCE: Where the raingarden is less than five (5) metres from any boundary, building or other infrastructure, a structural or geotechnical engineer is to determine and certify the controls required to mitigate any impacts on existing or future infrastructure

SECTION
NOT TO SCALE



Decorative stone or pebbles can be placed on the surface of the raingarden. However, the depth of pebbles must not encroach into the 100mm temporary ponding or filter media depths. No wood mulch is permitted

NOTE: This example cannot be used as a standard drawing. Actual site levels, including cut and fill, must be shown

**RAINGARDEN ON STEEP SITE
EXAMPLE CROSS SECTION
FOR SINGLE DWELLINGS
AND DUAL OCCUPANCIES**



DATE: June 2018

SHEET No. 1 OF 1 SHEETS