GENERAL NOTES & SPECIFICATION

- Ensure swales are located in accordance with Parks Chapter of Infrastructure Design Planning Scheme Policy.
- Swale design to provide for safe conveyance of minor flows (2 year ARI) and non-damaging flow velocities in major flows (50 year ARI).
- Swale dimensions and/or field inlet level of pit to provide storage capacity for 3 month ARI or as otherwise specified by hydraulic engineer.
- Avoid trip hazard by careful placement of cobbles around field inlets.
- Ensure even grade falls min. 1:50 to swale from carpark pavements.
- Ensure swales are located in accordance with detailed landscape plan, and subdivision and development guidelines.
- All dimensions in millimetres (U.N.O.), place a single block on A24 geofabric layer (or approved equivalent) over the insitu base material and aggregate, the 200mm sand filter can then be backfilled.
- When backfilling the bio-retention facility, first place 80 to 100mm of planting soil over the sand then cultivate/till the sand/planting soil to create a graduation zone.
- Backfill the remainder of the planting soil to final grade.
- Planting soil is to be placed in 300 to 450mm lifts and lightly compacted.
- Drainage pipes shall be flush jointed slotted FPC. Ensure minimum longitudinal grade of 1:50.
- Drain to landscape or to stormwater inlet location shown on plan. Field inlet and connection to storm water line to hydraulic engineer's specifications.
- Provide pipe cleanout or rodding points at minimum 60m centres.

FIELD INLET STRUCTURE - REFER BSD-8091/BSO-8094.

250mm coarse sand filter layer

Soil as specified - min. 75mm depth - profile depth and soil type varies with invert level.

100-150mm depth washed river cobbles nom. 40-75mm & finish 25mm below adjacent F.S.L.'s. Ensure 1:6 grade to swale form.

CARPARK AS SPECIFIED REFER BSD-2001 FOR CONCRETE EDGE VARIATIONS.

CARPARK BIO-RETENTION SWALE - SECTION