

**SECTION - KERB AND GUTTER**

SS INSTALLED PRIOR TO KERB AND GUTTER PLACEMENT

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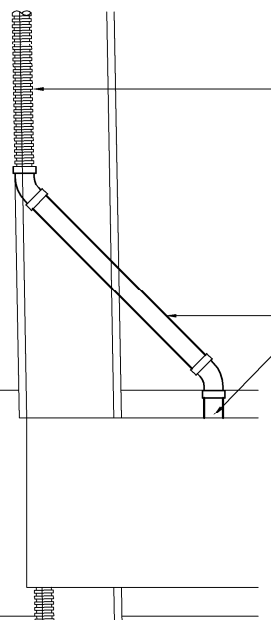
SS INSTALLED AFTER KERB AND GUTTER AND PAVEMENT PLACEMENT

**SECTION - DISH**

**TYPICAL SECTION - SUBSOIL DRAIN**

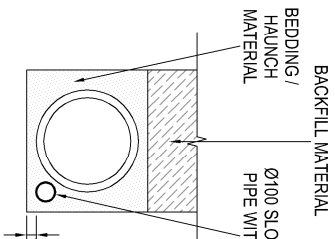
Ø100 SLOTTED SS PIPE WITH SEAMLESS TUBULAR FILTER FABRIC, ALSO REFER TYPICAL SECTION ADJACENT

FLUSH PIPE - Ø100 UNSLOTTED PVC PIPE WITH 45° BENDS EACH END



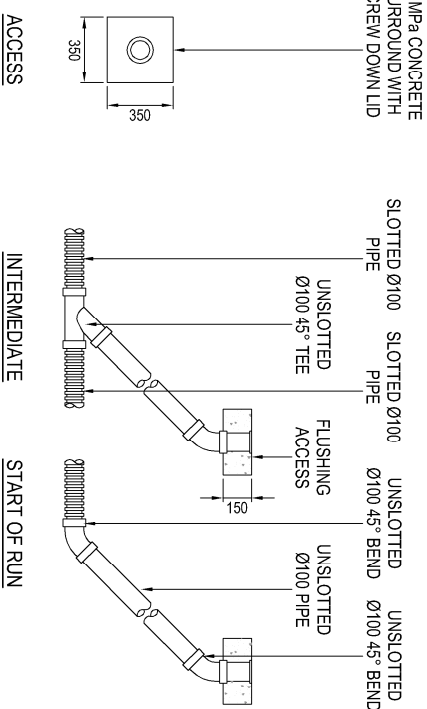
**SECTION - DRAINAGE PIT CONNECTION**

3.0 m LONG Ø100 SLOTTED SS PIPE WITH SEAMLESS TUBULAR FILTER FABRIC AND END CAP, ALSO REFER TYPICAL SECTION AND NOTES 4 AND 6 ADJACENT



**TYPICAL SECTION - PIPE TRENCH**

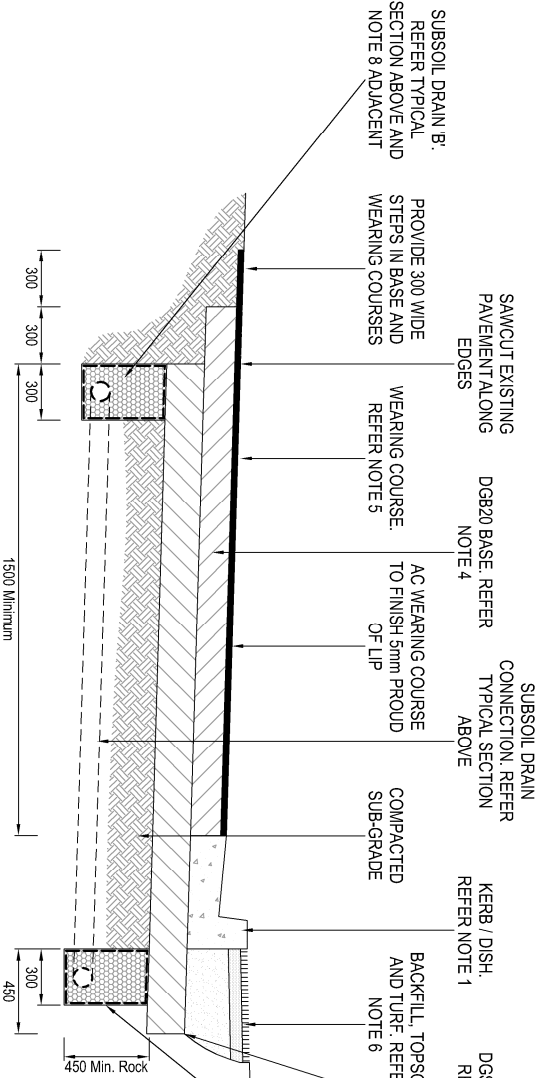
- NOTES - SUBSOIL DRAINS**
- Construction shall be in accordance with MCC Construction Specification 1171 Subsurface Drainage
  - Subsoil pipe to be Ø100 slotted PVC or corrugated circular plastic pipe and enclosed in seamless filter fabric sock
  - Subsoil drains shall consist of a 300 (minimum) wide trench, backfilled with 7 or 10 mm aggregate and wrapped in Bidim A12 geotextile fabric or similar, lapped at the top. Depth of trench to extend 450 (minimum) in rock or 600 (minimum) in earth below finished sub-grade level. Invert of trench should also be lower than the invert of any service crossings
  - Discharge subsoil pipe into stormwater pits or outlet headwalls, where practical, at maximum 80 m intervals. When required in embankments, provide small concrete headwall at drain outlet to protect pipe end
  - Subsoil pipe shall be laid full length of stormwater pipe road crossing or where pipelines in roadways are less than 2% grade
  - Unless providing subsoil pipe full length of stormwater pipe reach, install 3.0 m long subsoil pipe with end cap on upstream pipe reach
  - Provide flushing access at start of subsoil run and intermediate flushing accesses at maximum 80 m centres
  - Use of crushed glass will require the provision of a document specifying management of, including stockpiling and placement, and disposal of any excess glass



**DETAIL - FLUSHING STRUCTURE**

**NOTES - KERB AND GUTTER REPLACEMENT**

- When replacing kerb / dish in shorter sections within an existing length of kerb / dish, match profile of the existing kerb / dish. When replacing longer runs, refer to MCC Standard Drawing for kerb / dish profile dimensions and details
- Kerb / dish shall be constructed to MCC specification 1121 'Open drains including kerb and gutter'
- Sub-base to consist of DGS40 with 1.5% slag line and compacted to 95% modified ratio. Sub-base thickness shall be 200 thick (minimum) unless specified otherwise by the supervisor / superintendent
- Base to consist of DGBR20 with 1.5% slag line and compacted to 98% modified ratio and finished to suit the wearing surface thickness
- Wearing surface, over 7 mm primer seal, to consist of 40 (minimum) thick AC10 or 14/7 mm 2 coat, as directed by the supervisor / superintendent
- Backfill and compact behind kerb with excavated material. Provide 100 (minimum) thick topsoil and turf (match existing) to finished levels
- Where sub-grade is found to be unsuitable, remove and replace with select material compacted to 100% standard ratio. Select material shall comprise of material with a soaked CBR > 15% (minimum) and PI < 15%
- Installation of subsoil drainage is to be provided where connection to a drainage pit is practicable. Provision of a subsoil drain is to be determined by the supervisor / superintendent. If subsoil drain 'B' is required, it shall be laid 40 (minimum) higher than and connected to subsoil drain 'A'
- The Surveying and Spatial Information Act 2002 prohibits the removal, damage and obliteration of any survey marks without the consent of the Surveyor-General. Any unauthorised damage to survey marks can result in hefty compensation (up to \$10,000) having to be paid. Any proposed works that will impact survey marks should be brought to MCC's Development or Engineering Staffs attention so appropriate measures can be undertaken in advance. Survey marks include SSM's (brass disc / plug generally located on kerb tops), PM's (general housed in a cast iron box) and drill holes and wings (often placed on kerb tops or concrete patins)
- All dimensions are in millimetres unless notated otherwise



**TYPICAL SECTION - KERB AND GUTTER REPLACEMENT AND SHOULDER WIDENING**

Rev.	Date	Description	Drawn	Auth.	Rev.	Date	Description	Drawn	Auth.
B	18/05/20	Inclusion of shoulder widening in standard	AJC	RP					
A	15/03/18	Issued for construction	AJC	RJH					

Drawn	AJC	Checked	G Calvin	15/03/2018	Approved on Behalf of Midcoast Council	Revision	B
Drawn		Checked				Standard Dwg No.	SD0104



Approved on Behalf of Midcoast Council

STANDARD DRAWING  
SUBSOIL DRAINAGE, INCLUDING KERB AND GUTTER REPLACEMENT AND SHOULDER WIDENING