TYPICAL SECTION DETAIL OF SUBSOIL DRAIN

TOPSOIL LAYER

GEOTEXTILE

KERB & GUTTER

BASE

SUBBASE

SELECT FILTER MATERIAL
10mm AGGREGATE

Ø100 SUBSOIL AND SOCK

150

300 MIN

300 MIN

50
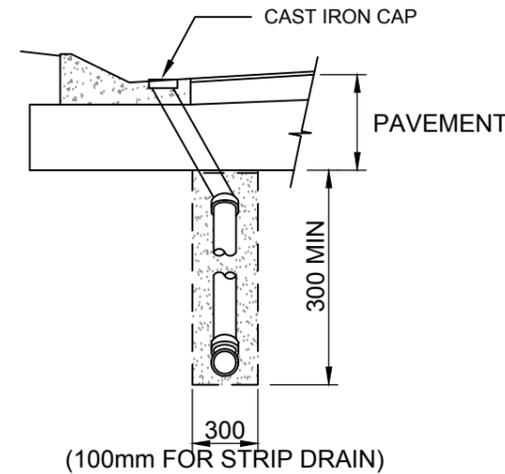
ALT. DETAIL
PAVEMENT REHABILITATION

CAST IRON CAP

PAVEMENT

300 MIN
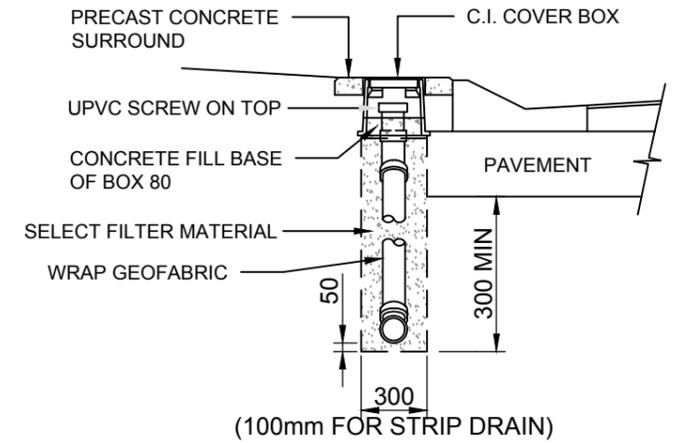
300
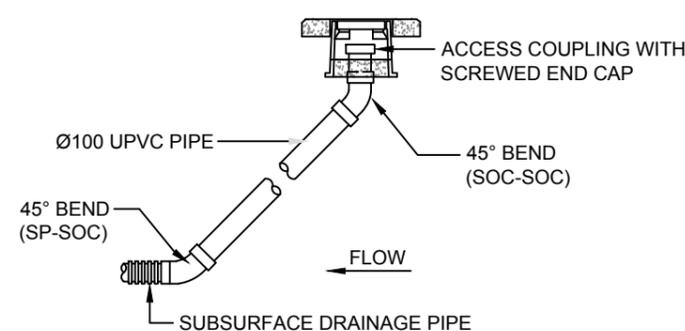(100mm FOR STRIP DRAIN)

TRENCH DETAILS

PRECAST CONCRETE SURROUND

C.I. COVER BOX

UPVC SCREW ON TOP

CONCRETE FILL BASE OF BOX 80

PAVEMENT

SELECT FILTER MATERIAL

WRAP GEOFABRIC

50

300 MIN

300
(100mm FOR STRIP DRAIN)

FLUSHING POINT ON LINE

Ø100 UPVC PIPE

45° BEND (SOC-SOC)

45° OBLIQUE TEE (SP-SOC)

FLOW
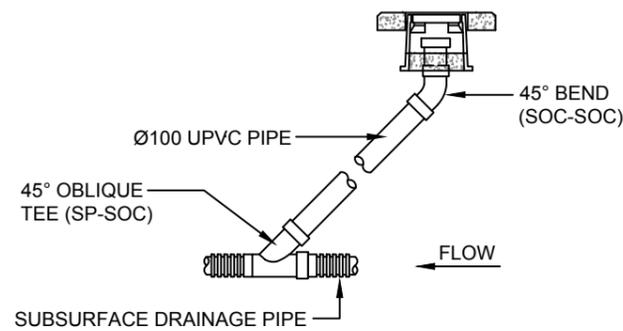
SUBSURFACE DRAINAGE PIPE

FLUSHING POINT HEAD OF LINE

ACCESS COUPLING WITH SCREWED END CAP

Ø100 UPVC PIPE

45° BEND (SOC-SOC)

45° BEND (SP-SOC)

FLOW

SUBSURFACE DRAINAGE PIPE

PLAN

CAST IRON COVER WITH SS SCREW LOCK

SS

KERB & GUTTER
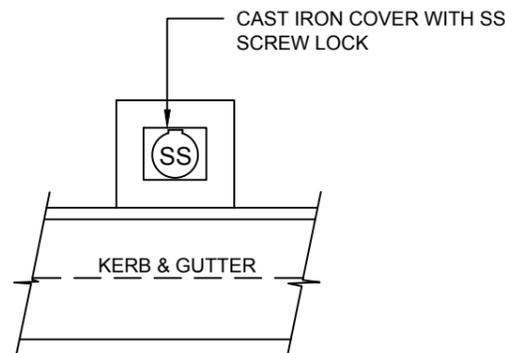
NOTES

1. PROVIDE FLUSHING POINTS AT MAX 60m CENTRES.
2. SELECT FILTER MATERIAL SHALL MEET THE REQUIREMENTS OF TYPE A FILTER MATERIAL, Aus-Spec #1 C230.12.
3. ALL FILTER MATERIAL SHALL BE GEOTEXTILE WRAPPED, NON WOVEN GEOTEXTILE OF STRENGTH CLASS A.
4. SUBSOIL DRAINAGE PIPE SHALL BE SLOTTED UPVC OR PERFORATED, RIBBED HDPE TO AS2439.1.
5. MINIMUM LONGITUDINAL GRADES FOR PIPES SHALL BE: RIBBED HDPE PIPE - 1.5%, SLOTTED UPVC PIPE - 1%, 450mm STRIP DRAIN - 0.5%.
6. UPVC PIPE AND FITTINGS SHALL BE MIN CLASS 12.
7. ROAD CROSSINGS TO BE SEWER HEAVY GRADE UPVC PIPE.
8. (a). TRENCH BACKFILL FILTER MEDIA IS TO BE WRAPPED WITH FILTER FABRIC BLANKET. LONGITUDINAL LAPPING OF THE FABRIC IS TO BE 500mm MINIMUM WITH UPSTREAM SHEET PLACED OVER DOWNSTREAM SHEET.
   (b). FILTER MEDIA IS TO BE MECHANICALLY COMPACTED IN LAYERS NOT EXCEEDING 300mm WITH CARE TO BE TAKEN TO AVOID DAMAGE TO THE FILTER FABRIC BLANKET AND SOCK AND THE PERFORATED DRAINAGE PIPE.
9. SUBSOIL DRAINAGE PIPELINES WILL NORMALLY OUTFALL INTO A STORMWATER DRAINAGE PIT. OTHER FORMS OF OUTFALL SHOULD HAVE APPROPRIATE MEASURES TAKEN TO PREVENT BLOCKAGE, EROSION AND INFESTATION OF VERMIN.
10. WHEN INSTALLING GEOTEXTILE, DO NOT ALLOW LOOSE MATERIAL FROM TRENCH WALLS OR OUTSIDE THE TRENCH TO ENTER THE EXCAVATION. KEEP ALL GEOTEXTILES CLEAN, AND SECURE THE GEOTEXTILE TO ENSURE THAT THEY ARE LOCATED AS SHOWN ON THE DRAWINGS ON COMPLETION OF BACKFILLING.
11. REFER TO RMS R33 SPECIFICATION FOR ALTERNATE OPTIONS.