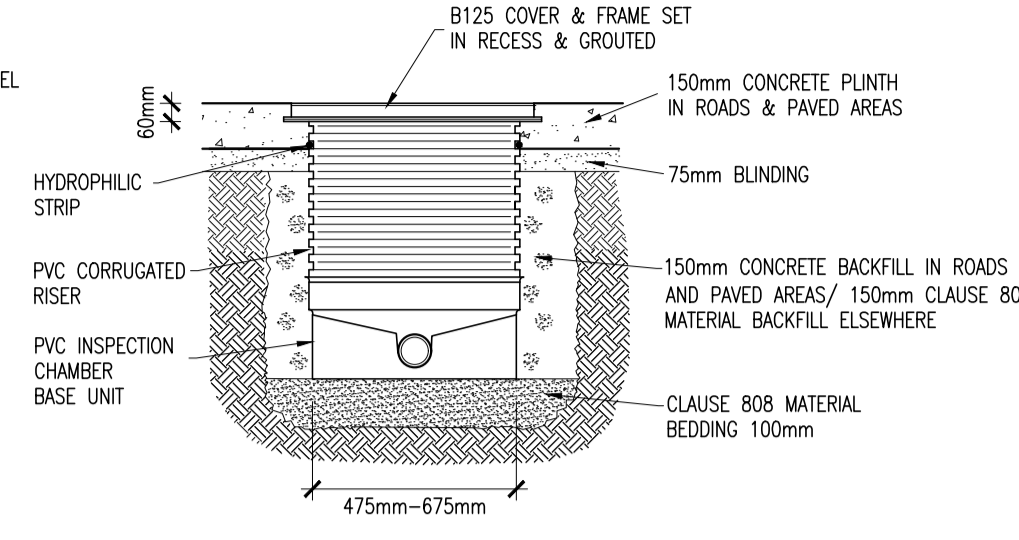
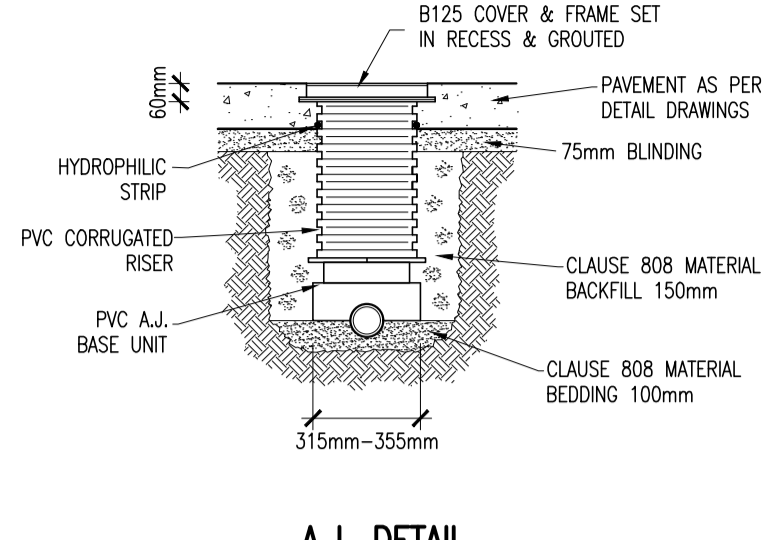


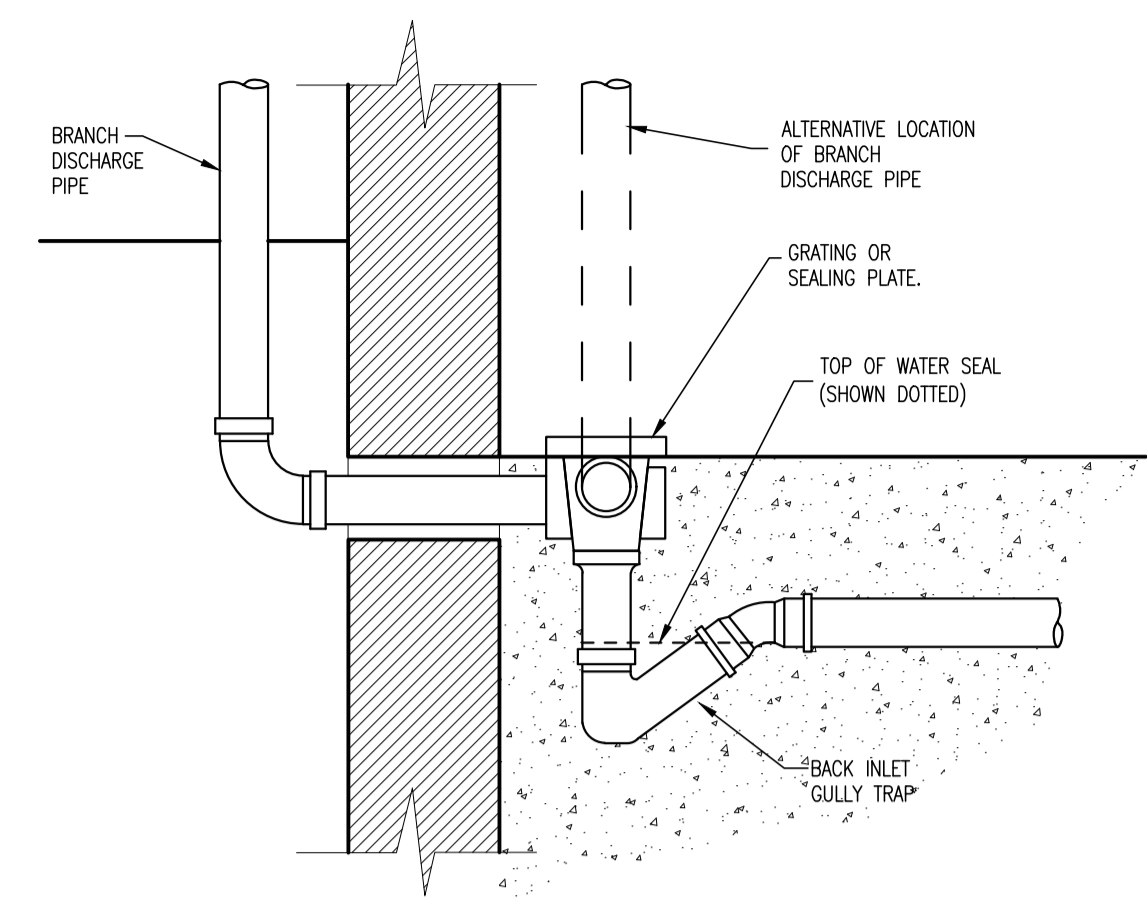
ELEVATION



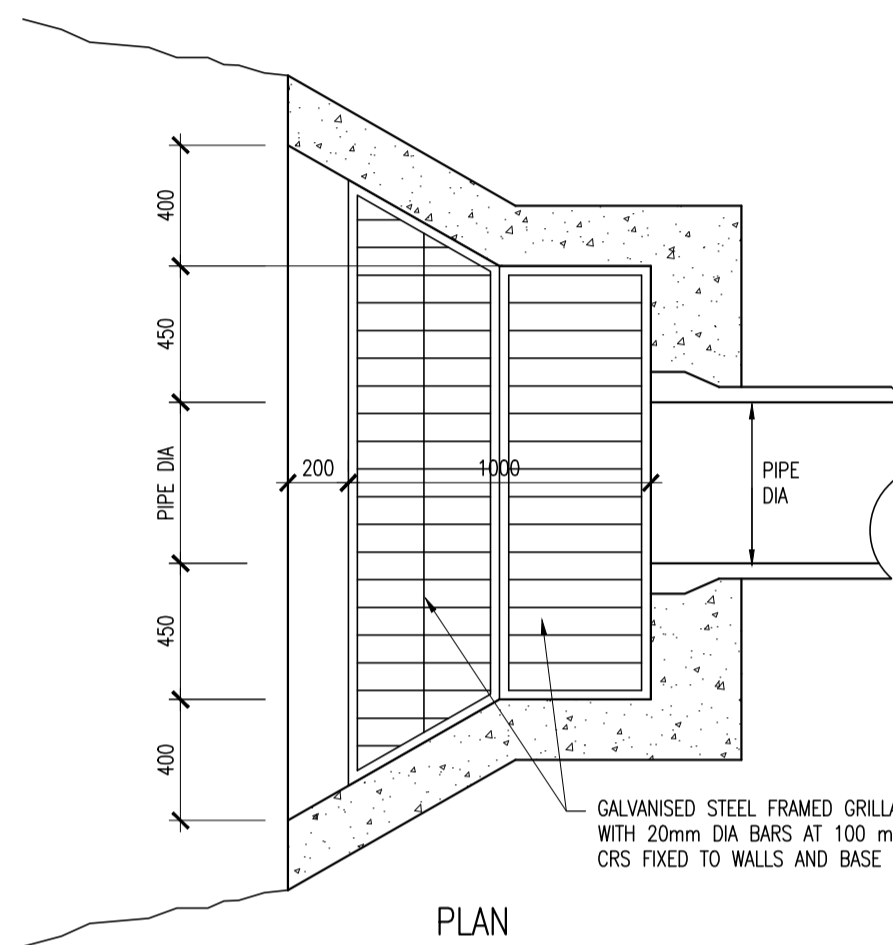
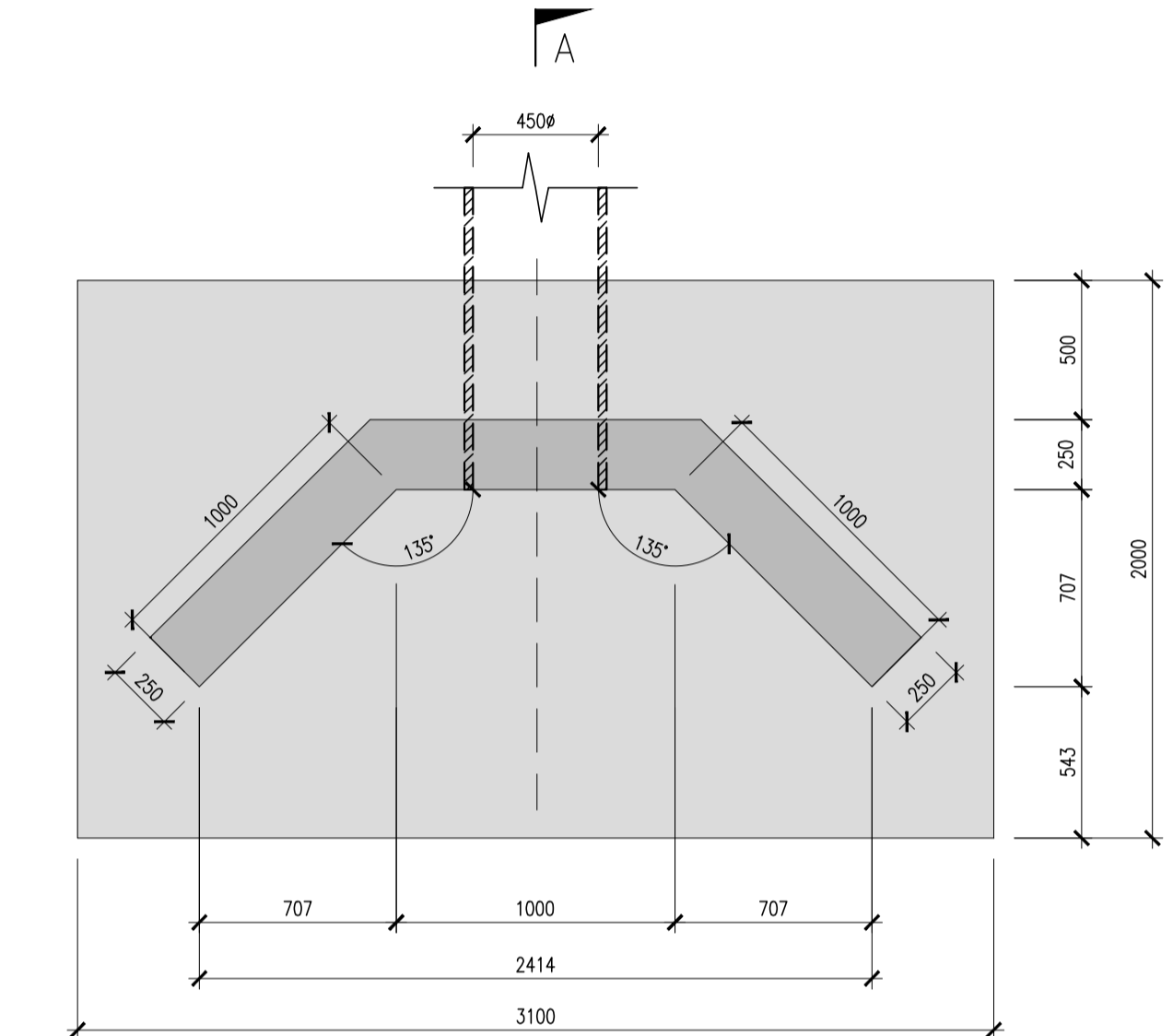
INSPECTION CHAMBER



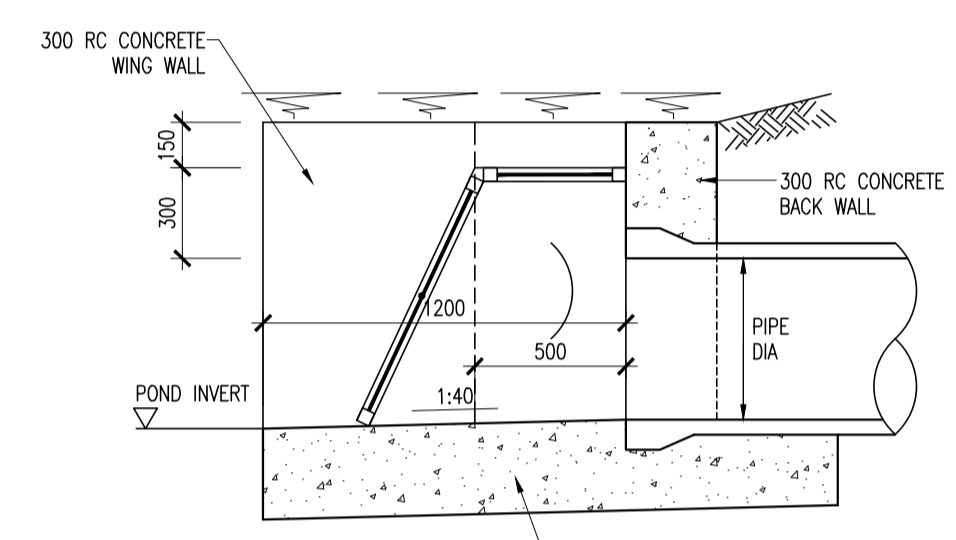
A.J. DETAIL



BACK INLET GULLY TRAP

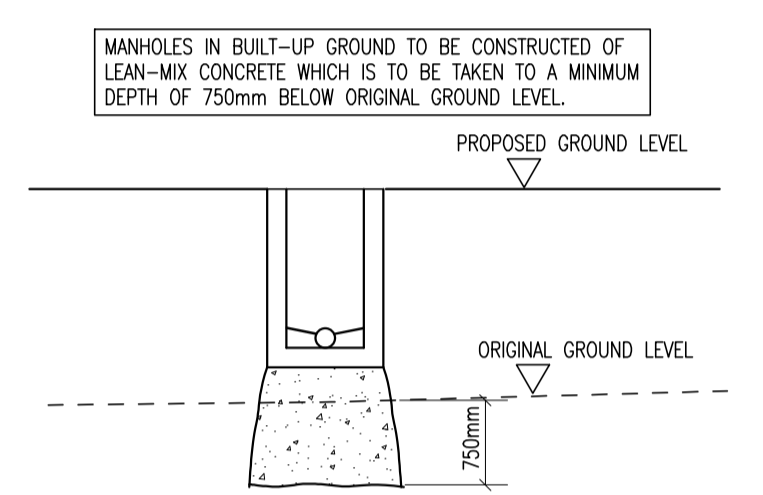


PLAN



SECTION

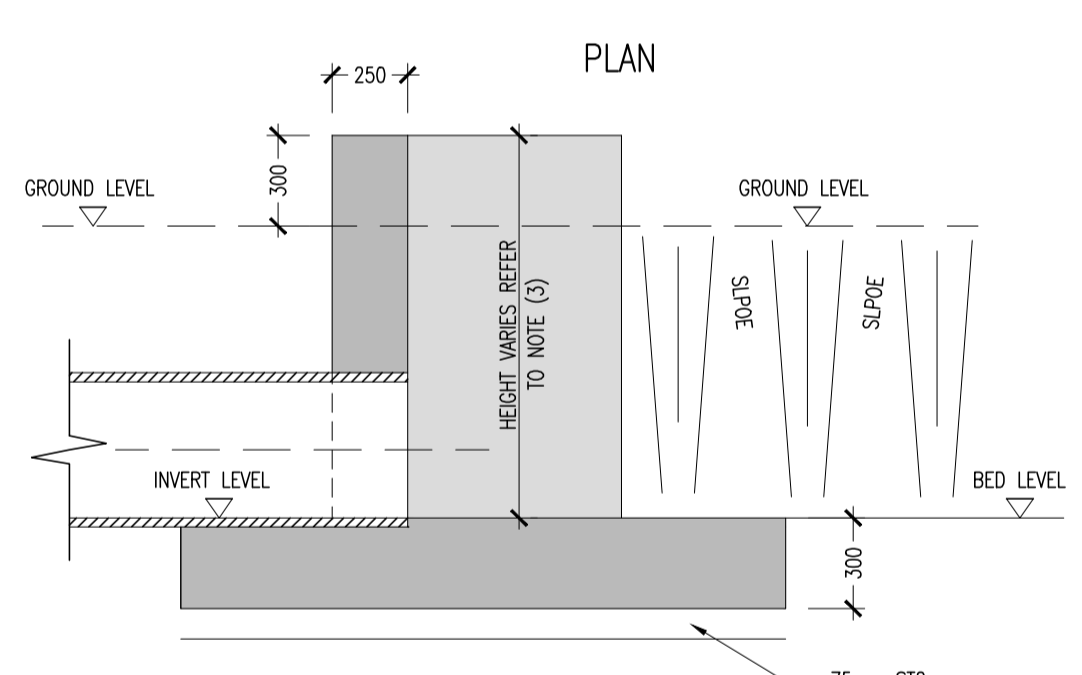
LARGE HEADWALL DETAIL



MANHOLES IN BUILT-UP GROUND TO BE CONSTRUCTED OF LEAN-MIX CONCRETE WHICH IS TO BE TAKEN TO A MINIMUM DEPTH OF 750mm BELOW ORIGINAL GROUND LEVEL.

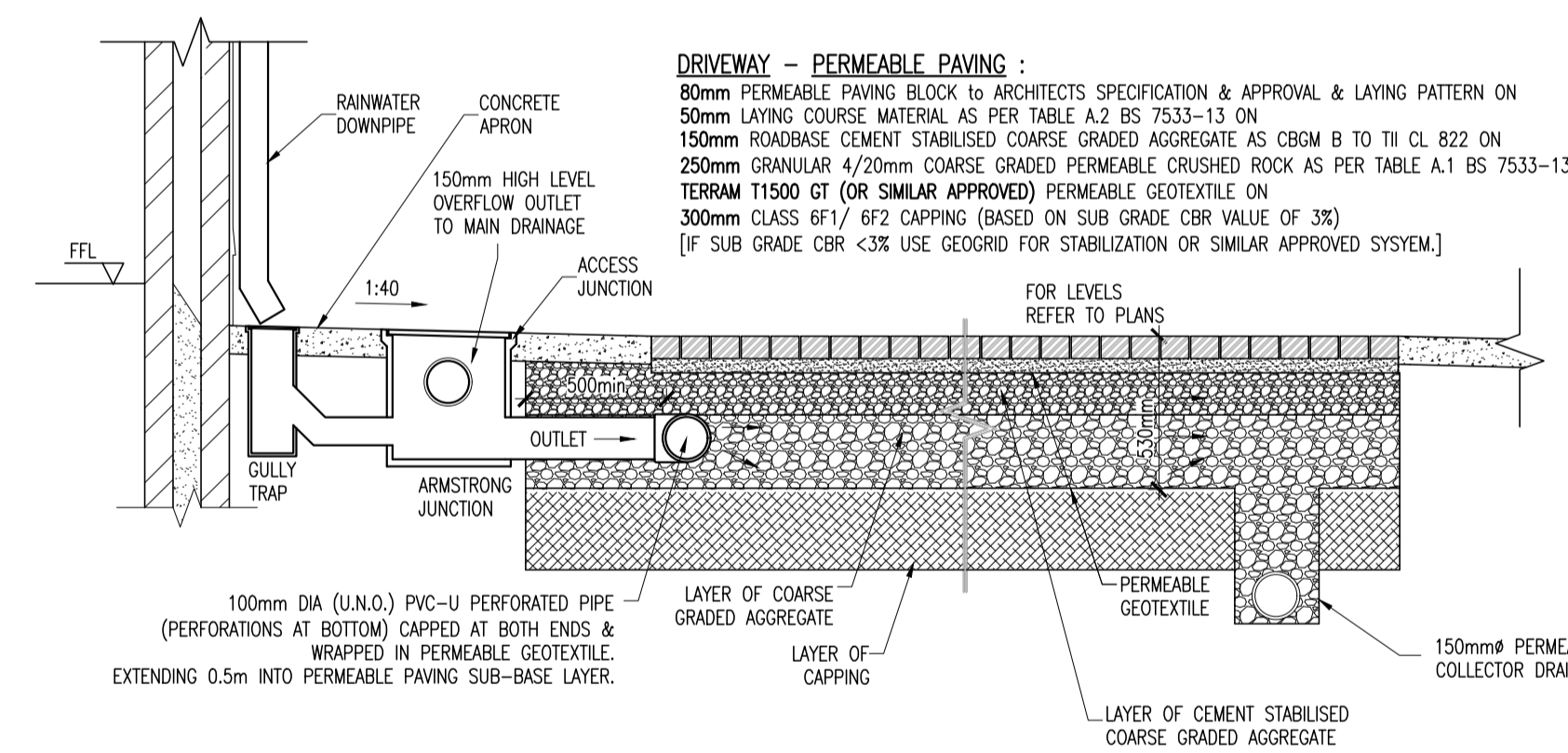
DRAINS IN BUILT-UP GROUND

NOTE: ALL DRAINS ABOVE EXISTING GROUND LEVEL TO BE CONSTRUCTED BY FIRST STRIPPING TOPSOIL AND MAKING UP GROUND TO PROPOSED LEVELS. TRENCH EXCAVATION THEN TO BE CARRIED OUT TO ORIGINAL STRIPPED GROUND LEVEL AND GRANULAR MATERIAL TO BE LAID IN WELL-COMPACTED LAYERS (MAX. 150mm THICK) TO INVERT LEVEL. PIPE THEN TO BE LAID.

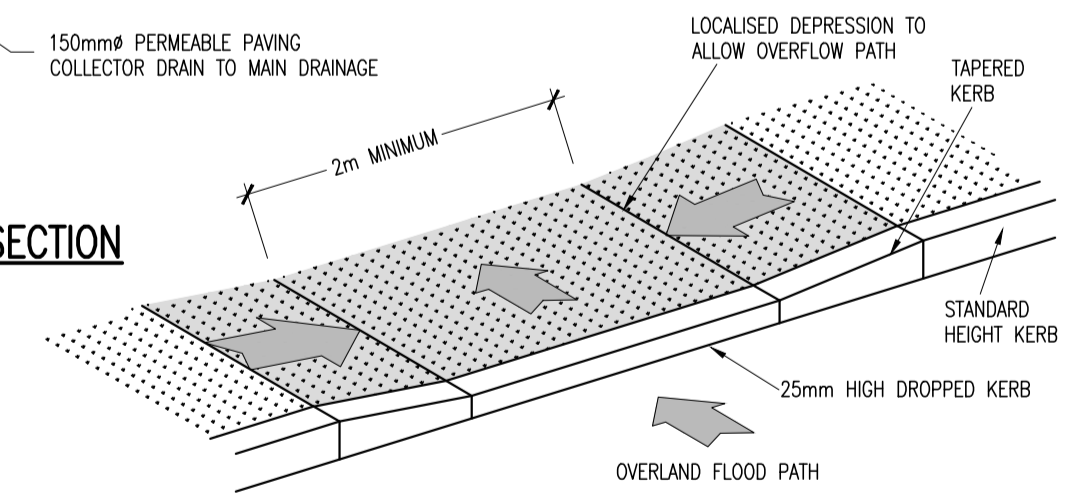


SMALL HEADWALL - SECTION A-A

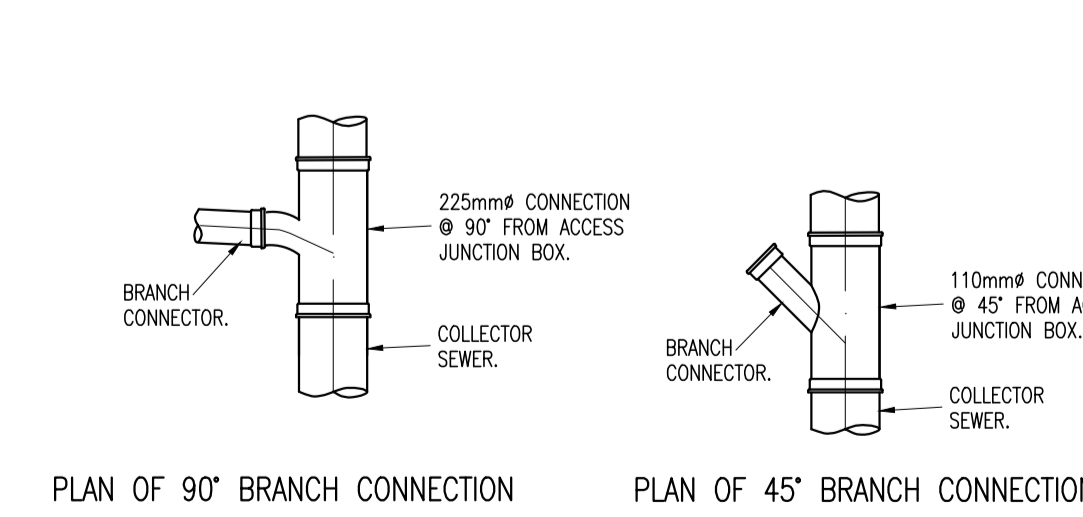
- NOTES:**
1. THIS RCD IS ONLY TO BE USED IN ASSOCIATION WITH A UNIQUE STRUCTURAL DESIGN CARRIED OUT FOR THE HEADWALLS ON A PROJECT IN ACCORDANCE WITH THE RELEVANT DESIGN CODES AND SITE GROUND CONDITIONS.
  2. ALL EXPOSED CONCRETE SURFACES FROM 100mm BELOW GROUND LEVEL TO BE CLASS F3 FINISH. ALL OTHER CONCRETE SURFACES TO BE CLASS F1 FINISH UNLESS OTHERWISE SPECIFIED.
  3. REFER TO DRAINAGE LONGITUDINAL SECTIONS AND/OR DRAINAGE SCHEDULES FOR PIPE DIAMETER SIZES, INVERT LEVELS AND HEADWALL HEIGHTS. MAXIMUM PIPE DIAMETER 450mm AND MAXIMUM HEADWALL HEIGHT 2.3m.
  4. HEADWALL WINGWALLS TO BE SLOPED WHERE APPROPRIATE.



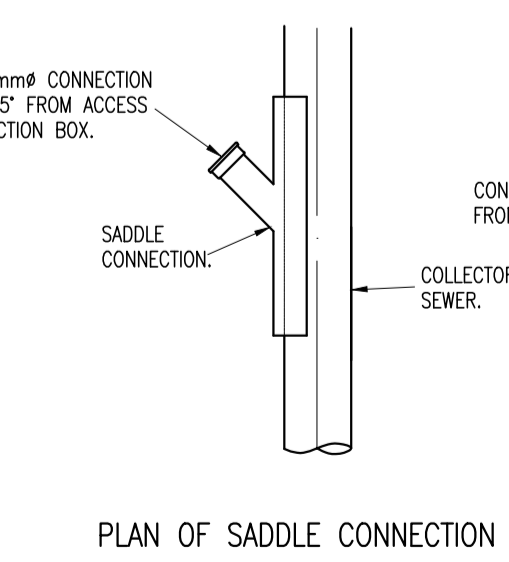
TYPICAL HOUSE DRAINAGE & PARTIAL INFILTRATION PERMEABLE PAVING SECTION  
SCALE: NTS



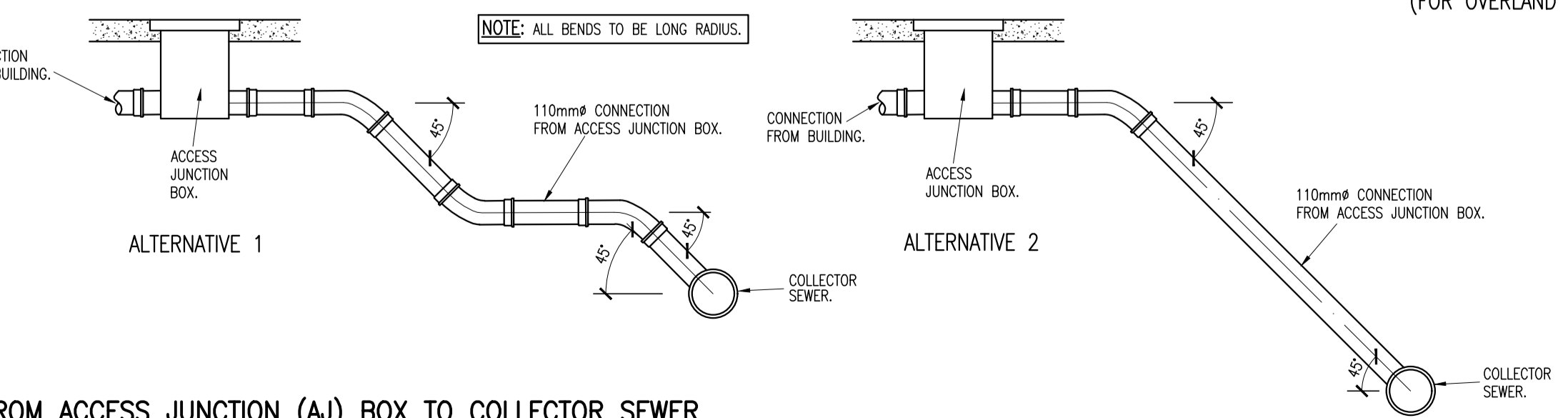
DROPPED KERB  
(FOR OVERLAND FLOWPATH)



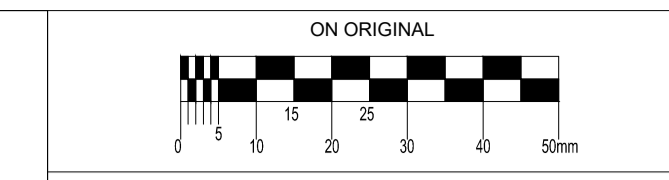
PLAN OF 90° BRANCH CONNECTION  
PLAN OF 45° BRANCH CONNECTION



PLAN OF SADDLE CONNECTION



SADDLE CONNECTION FROM ACCESS JUNCTION (A.J.) BOX TO COLLECTOR SEWER



ON ORIGINAL  
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- NOTES:**
1. C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m<sup>3</sup>, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
  2. C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m<sup>3</sup>, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
  3. C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400kg/m<sup>3</sup>, MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SLUMP CLASS S3.
  4. WHERE CLASS 6F1/6F2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS 6N TO BE USED INSTEAD.

- NOTE:**  
ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH
- T11 SPECIFICATION FOR ROADWORKS
  - GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
  - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

P02	21/03/22	ISSUED FOR PLANNING	RSP	LmCl
P01	29/09/20	ISSUED FOR PRE-PLANNING	APW	BJM
rev	date	description	by	chkd.
		A - Approved		
		B - Approved with comments		
		C - Do not use		

client approval

suitability issue purpose  
S2 - FOR INFORMATION PLANNING

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project ref.  
**RESIDENTIAL DEVELOPMENT AT HACKETTSTOWN, SKERRIES, CO. DUBLIN**

drawing title  
**SURFACE WATER STANDARD DETAILS - SHEET 3**

client  
**LAND DEVELOPMENT AGENCY**

designed by	author	scale	sheet size
BJM	APW	AS SHOWN	A1
drawing no.			revision
190170-DBFL-SW-SP-DR-C-5014			P02