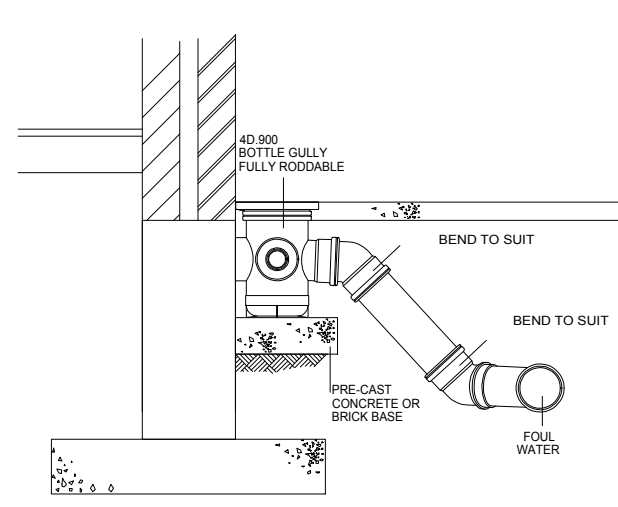
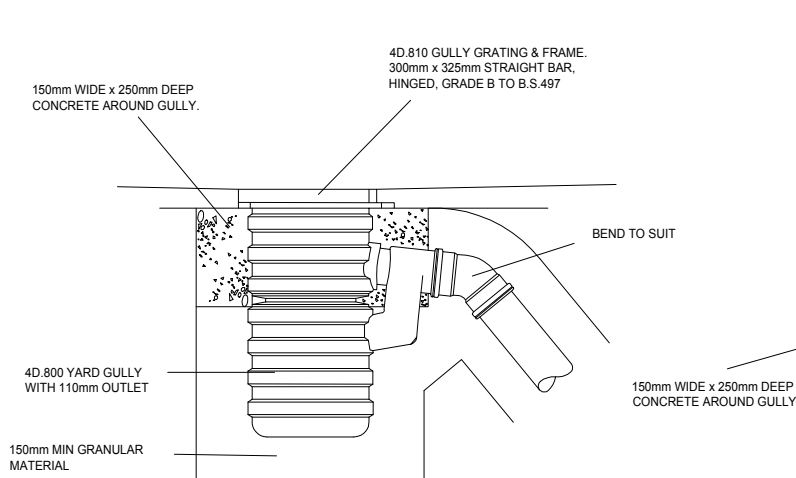


SECTION

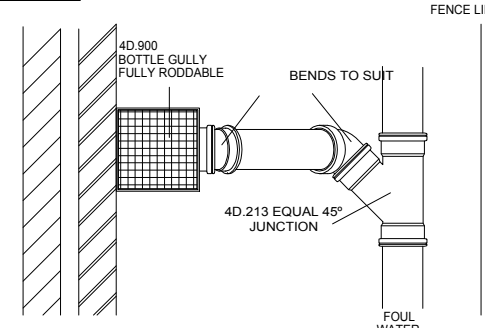


SECTION

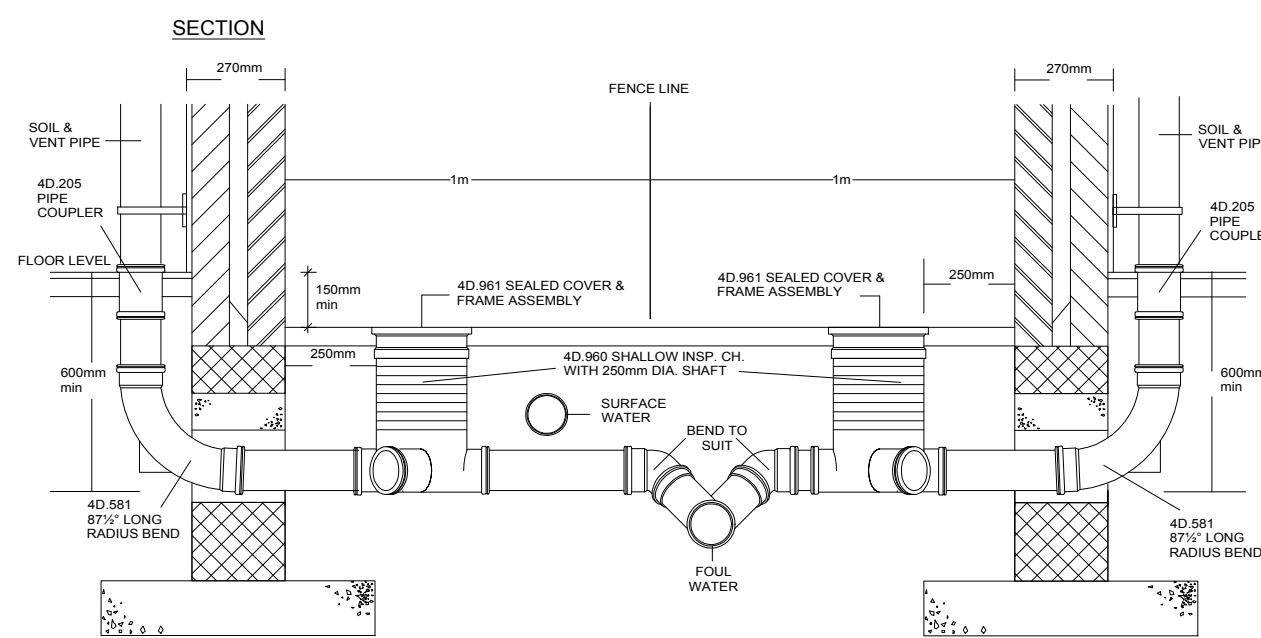
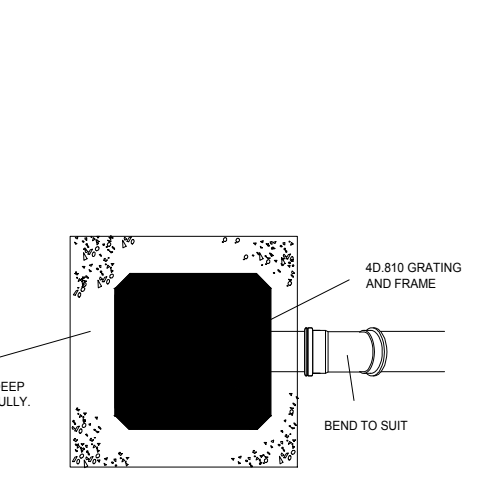


Bottle Gully & Yard Gully Detail
Not to Scale

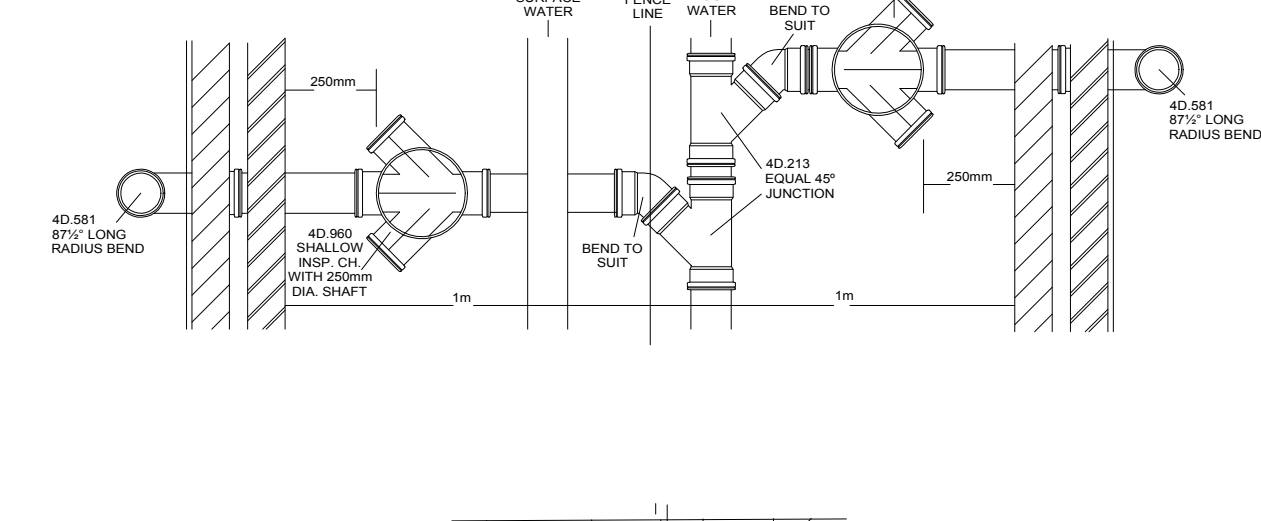
PLAN VIEW



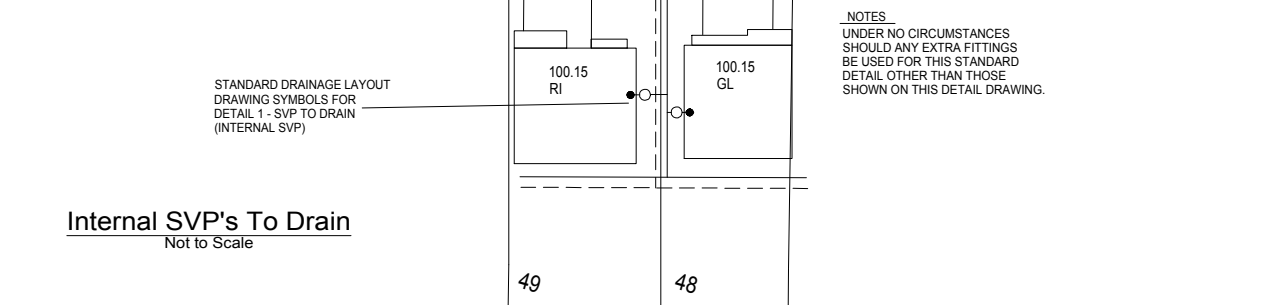
PLAN VIEW



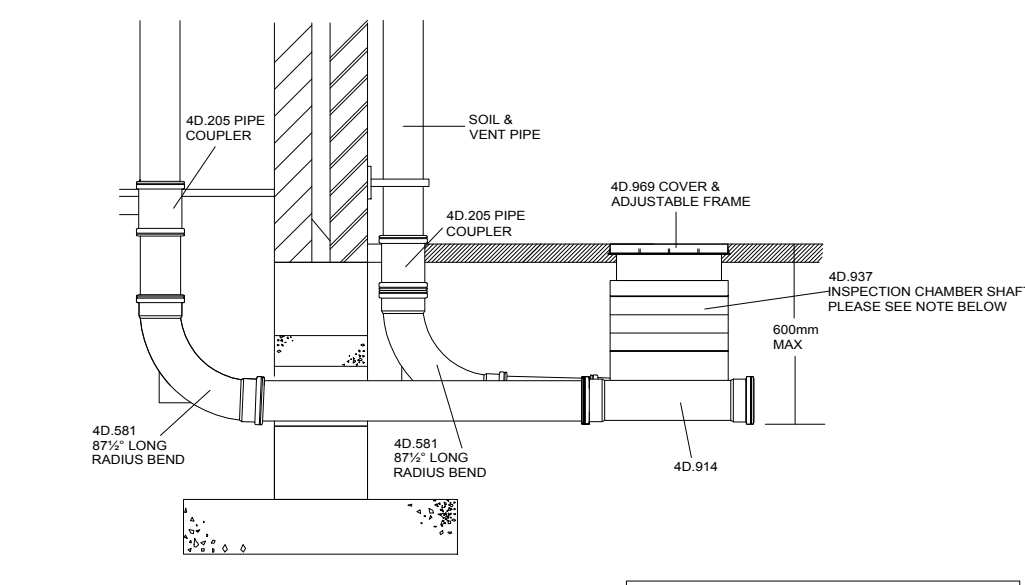
PLAN VIEW



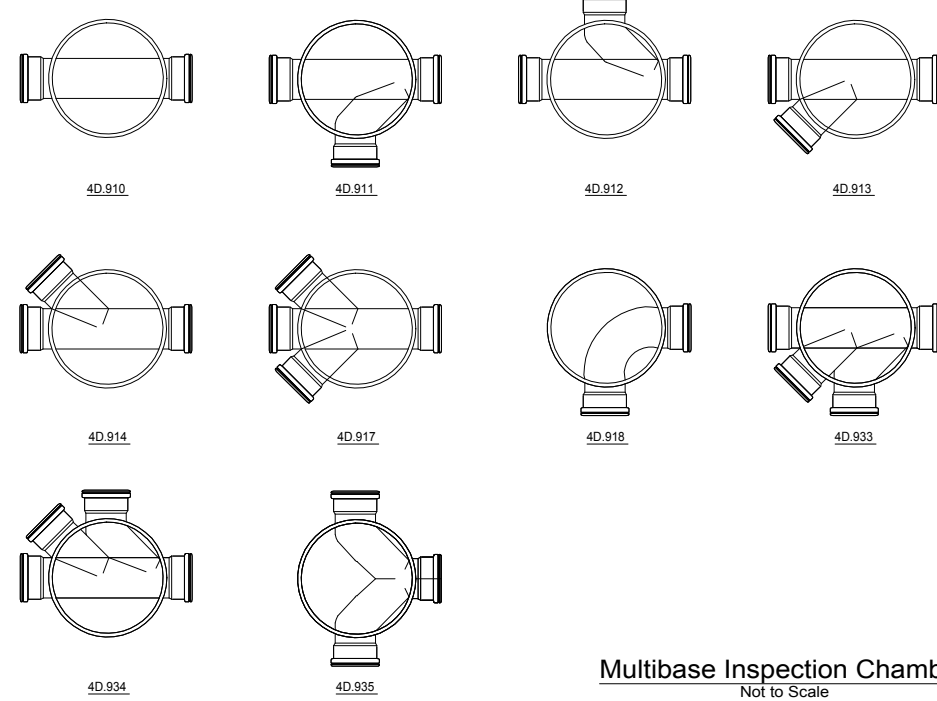
TYPICAL DRAINAGE LAYOUT



Internal SVP's To Drain
Not to Scale

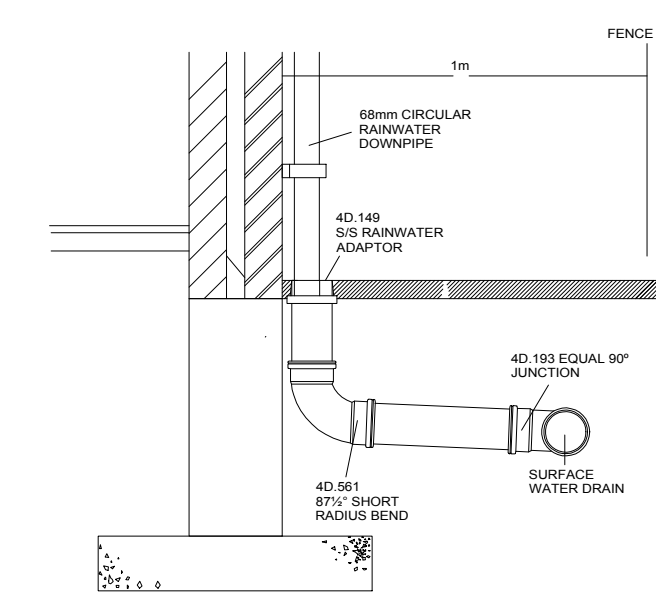


DEPTHS FOR THE MULTIBASE INSPECTION CHAMBER:
BASE + COVER + 1x SHAFT = 400mm
BASE + COVER + 2x SHAFT = 600mm

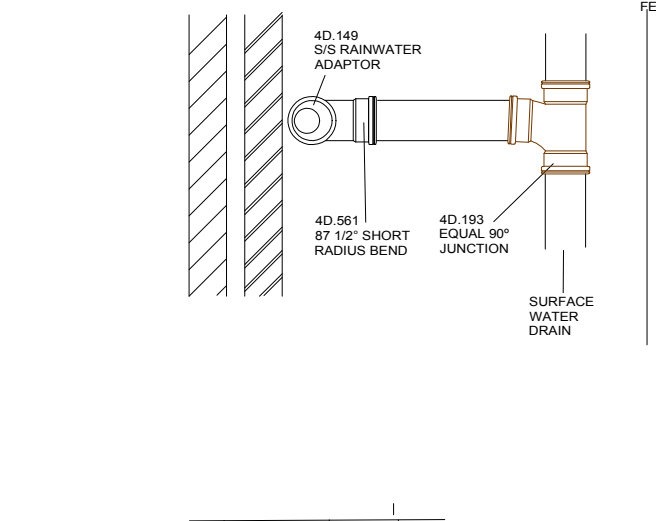


Multibase Inspection Chamber
Not to Scale

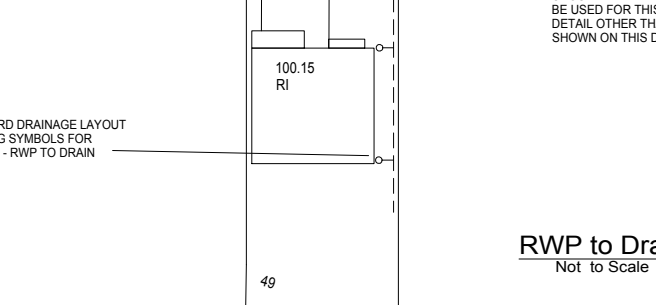
SECTION



PLAN VIEW



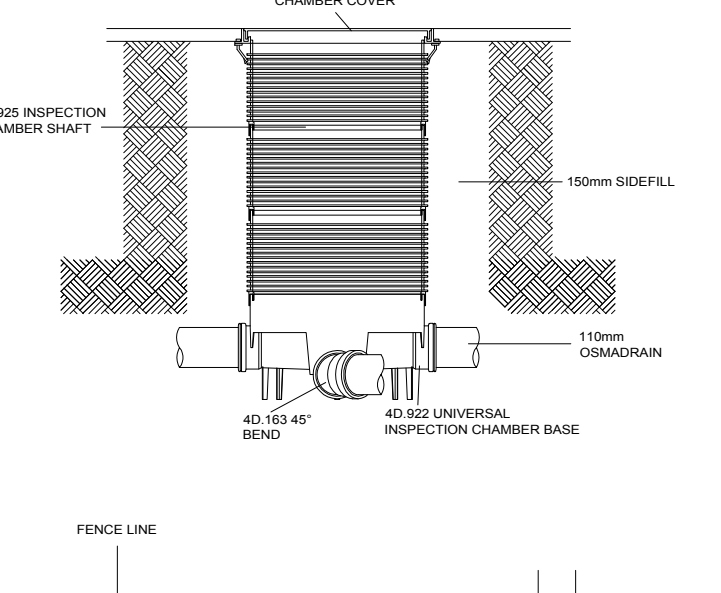
TYPICAL DRAINAGE LAYOUT



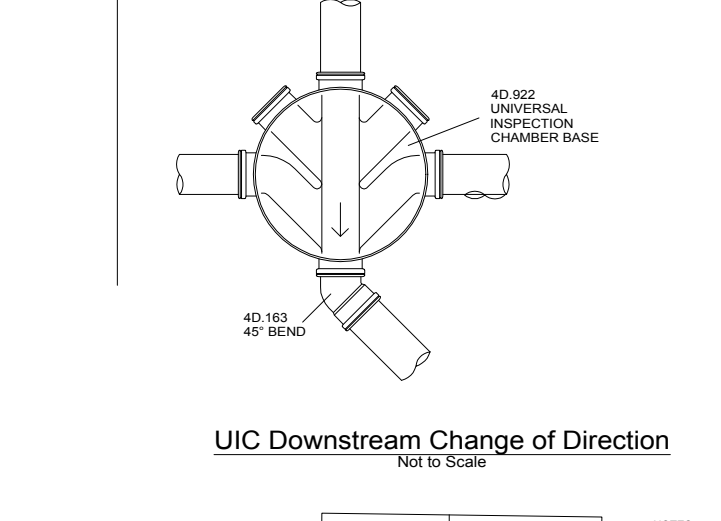
NOTES
UNDER NO CIRCUMSTANCES
SHOULD ANY EXTRA FITTINGS
BE USED FOR THIS STANDARD
DETAIL OTHER THAN THOSE
SHOWN ON THIS DETAIL DRAWING.

RWP to Drain
Not to Scale

SECTION



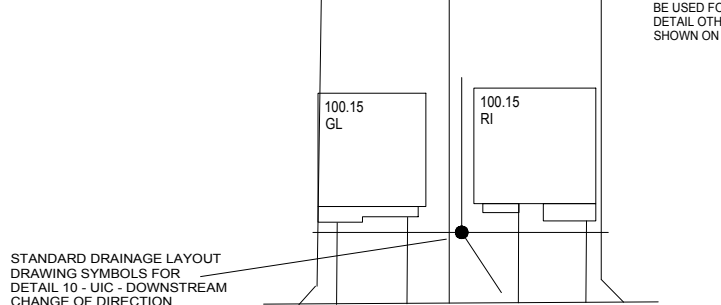
PLAN VIEW



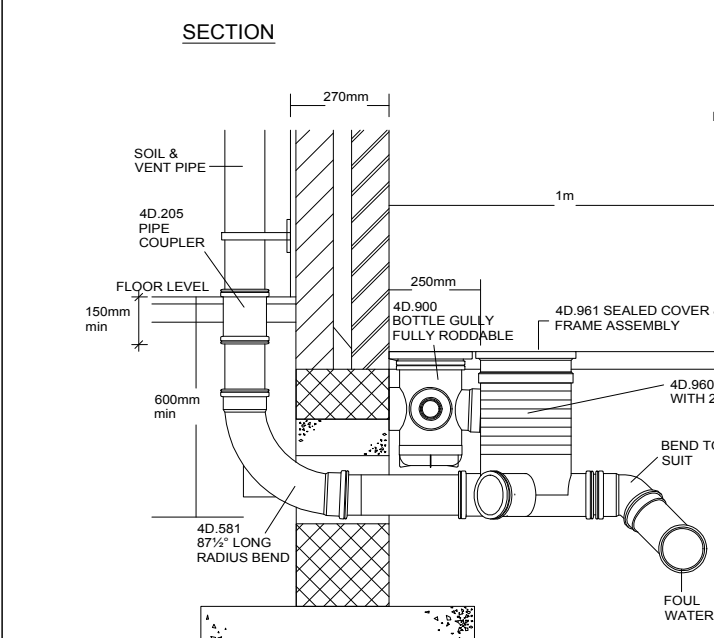
UIC Downstream Change of Direction

Not to Scale

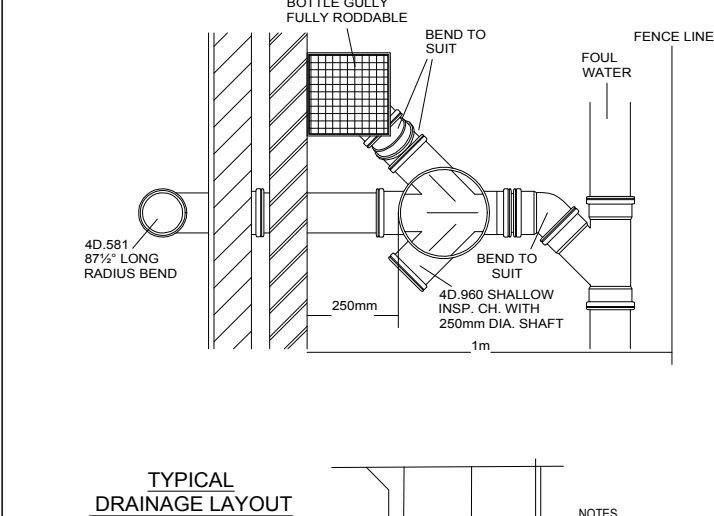
TYPICAL DRAINAGE LAYOUT



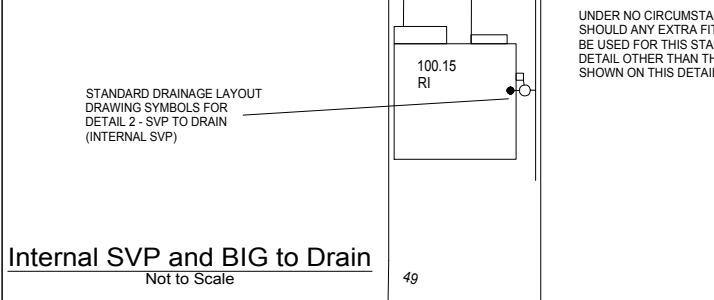
NOTES
UNDER NO CIRCUMSTANCES
SHOULD ANY EXTRA FITTINGS
BE USED FOR THIS STANDARD
DETAIL OTHER THAN THOSE
SHOWN ON THIS DETAIL DRAWING.



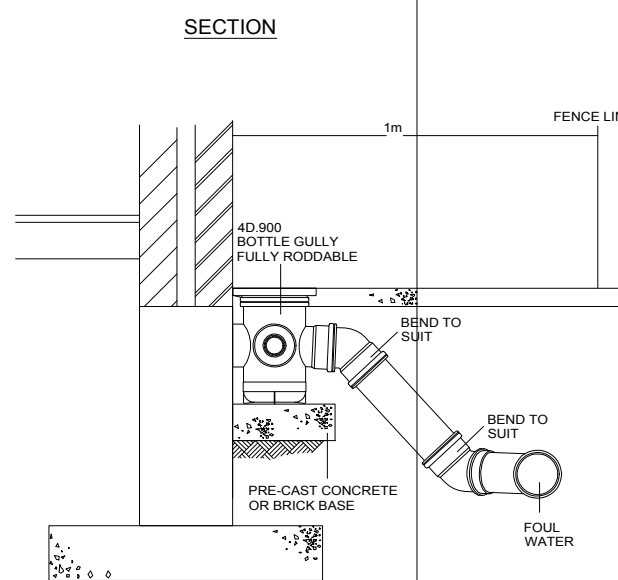
PLAN VIEW



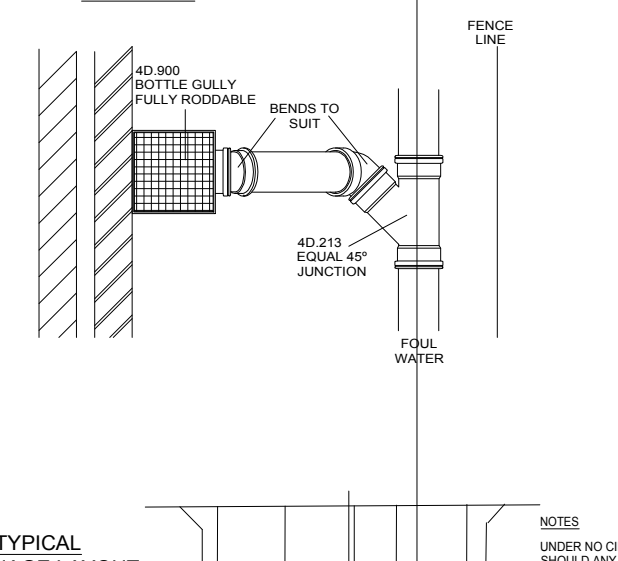
TYPICAL DRAINAGE LAYOUT



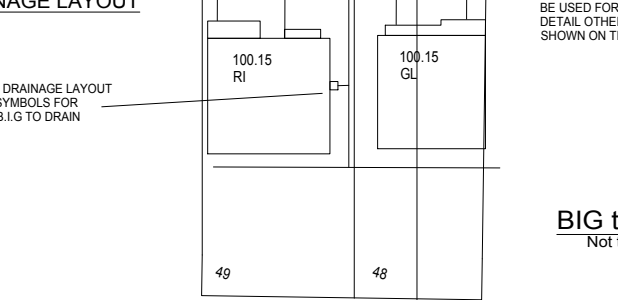
Internal SVP and BIG to Drain
Not to Scale



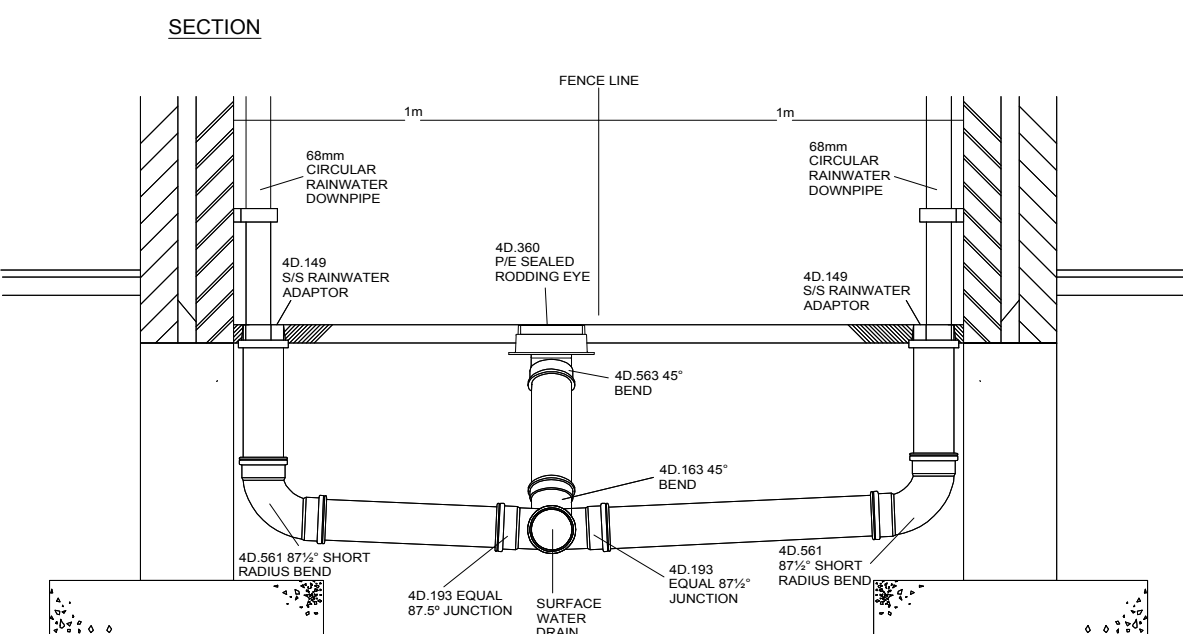
PLAN VIEW



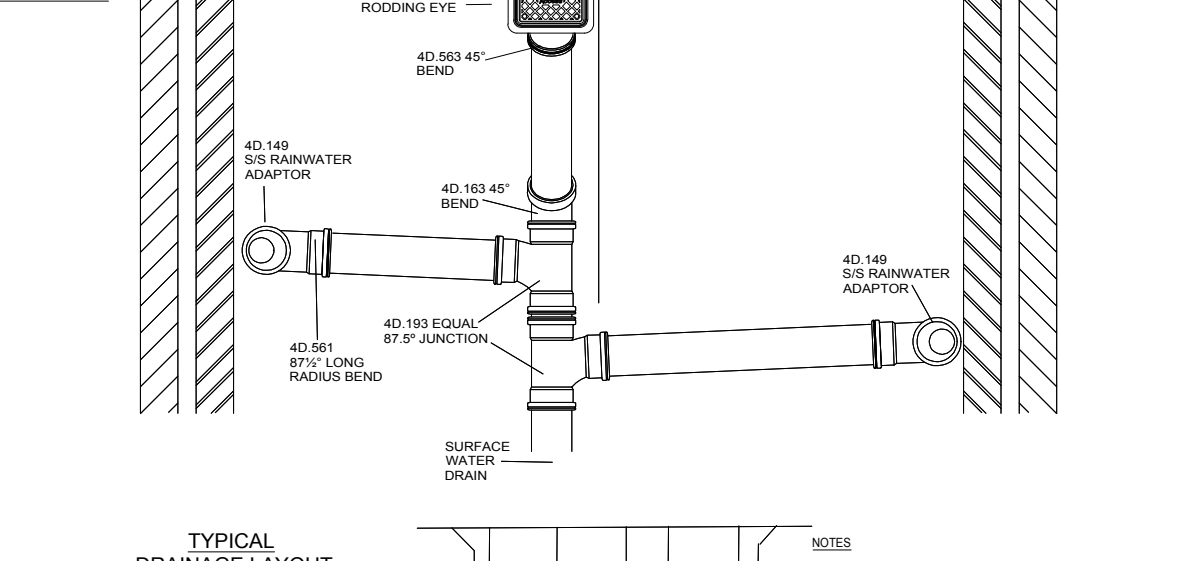
TYPICAL DRAINAGE LAYOUT



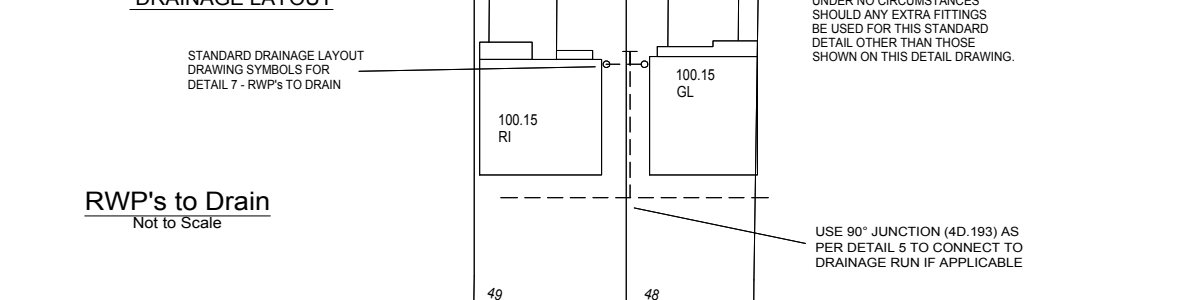
BIG to Drain
Not to Scale



PLAN VIEW



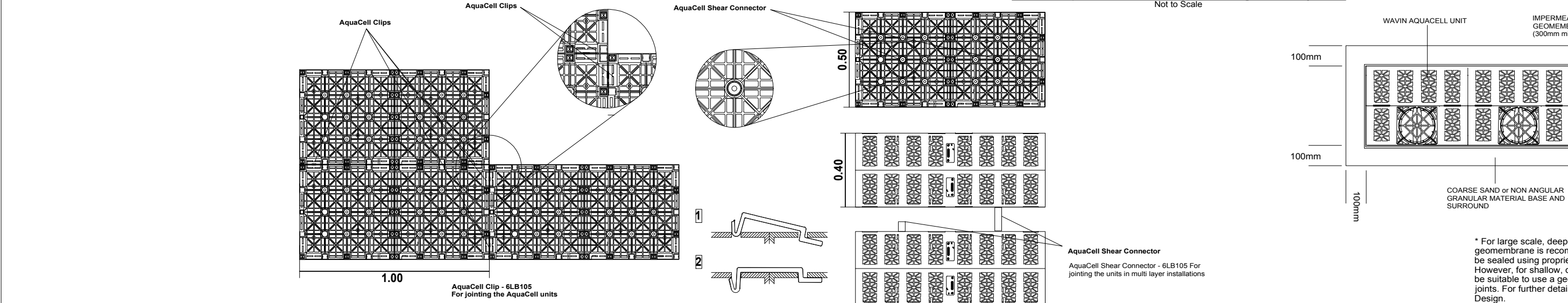
TYPICAL DRAINAGE LAYOUT



RWP's to Drain
Not to Scale

Wavin AquaCell Storm Water Management System

Not to Scale

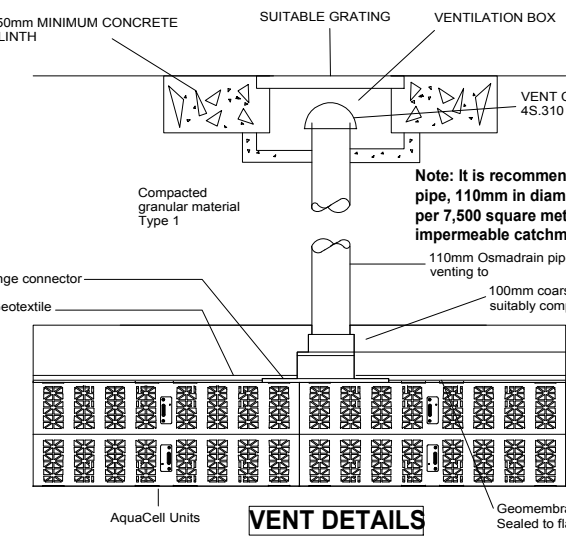
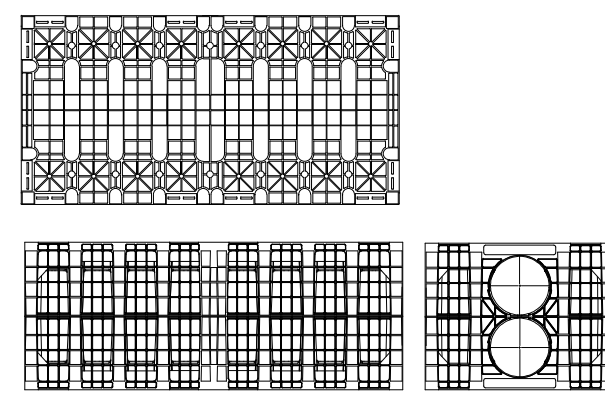


Wavin AquaCell Units

Not to Scale

AquaCell Plus

6LB200

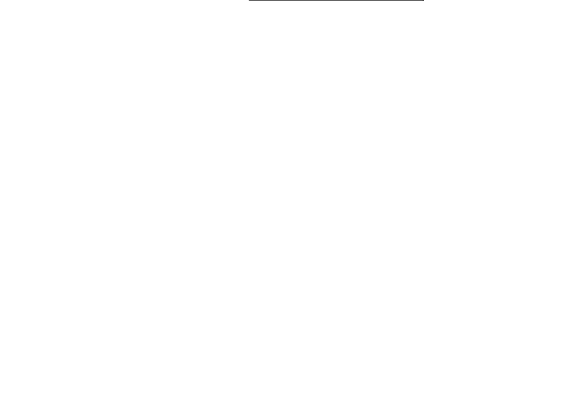


NOTE:

AquaCell Product Specification
AquaCell (Blue unit) Physical Properties

Element	Value	Unit
Nominal Unit Dimensions	1000x500x400	mm
Nominal Unit Volume	0.2	m ³
Nominal Storage Volume	0.19	m ³
Void Ratio	95	%
Ultimate compressive Strength at yield		
-Vertical loading on top face	550	kN/m ²
-Lateral loading on side face	77.5	kN/m ²
Short term deflection		
-Vertical loading on side face	1 per 97	mm per kN/m ²
-Lateral loading on side face	1 per 7	mm per kN/m ²
Estimated long-term deflection	0.4705	Ln (time in hours)

VENT DETAILS



1. Excavate the trench to the required depth ensuring that the plan area is slightly greater than that of the AquaCell/AquaCell Lite units.

2. Lay 100mm bed of coarse sand, level and compact.

3. Lay the geotextile over the base and up the sides of the trench.

4. Lay the geotextile on top of the geotextile over the base and up the sides of the trench.

5. Lay the AquaCell units parallel with each other. In multiple layer applications, wherever possible, continuous vertical joints should be avoided. AquaCell units can be laid in a brick bonded formation (i.e. to overlap the joints below). For single layer applications use the AquaCell Clips and for multi layers use the AquaCell Shear Connectors (vertical rods).

6. Wrap the geotextile around the AquaCell/AquaCell Lite structure and seal to manufacturers recommendations.

7. Place the Flange Adaptor into position (at a point other than the pre-formed socket) and fix using self tapping screws. Drill a hole through the Flange Adaptor and connect pipework.

8. In order to prevent silt from entering the tank, clogging inlet pipework and reducing storage capacity, it is recommended that the OSMA Silt Trap (6LB600) is installed prior to the inlet pipework - see page 14 for installation guidelines.

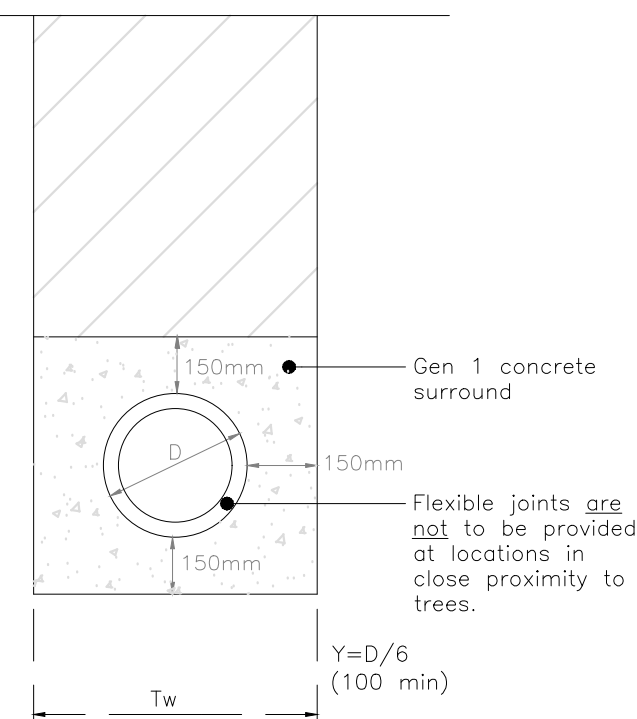
9. Wrap and overlap the geotextile covering the entire AquaCell/AquaCell Lite structure, to protect the geotextile.

10. Lay 100mm of coarse sand between the trench walls and the AquaCell/AquaCell Lite units and compact.

11. Lay 100mm bed of coarse sand over the geotextile and compact. Backfill with stone free as-dug material. NB: A storage tank must be vented, and it is recommended that one vent pipe, 150mm in diameter is provided per 7,500 square metres of impermeable catchment area on a site, see page 14 for design.

PIPE JOINTS WITHIN POTENTIAL ROOT ZONES

ROAD CONSTRUCTION/LANDSCAPE AREAS



CONCRETE SURROUND NTS

PRELIMINARY

REV. No.	DATE	DESCRIPTION	INITIALS
Client			
Project	New Barn Lane, North Bersted		
Title	Private Drainage Construction Details (Sheet 1 of 2)	Scale As shown@A1	Date Dec 2017
Checked	KTG	Drawn	TDF
Drawing No.	LHS232-3022	Rev	-

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