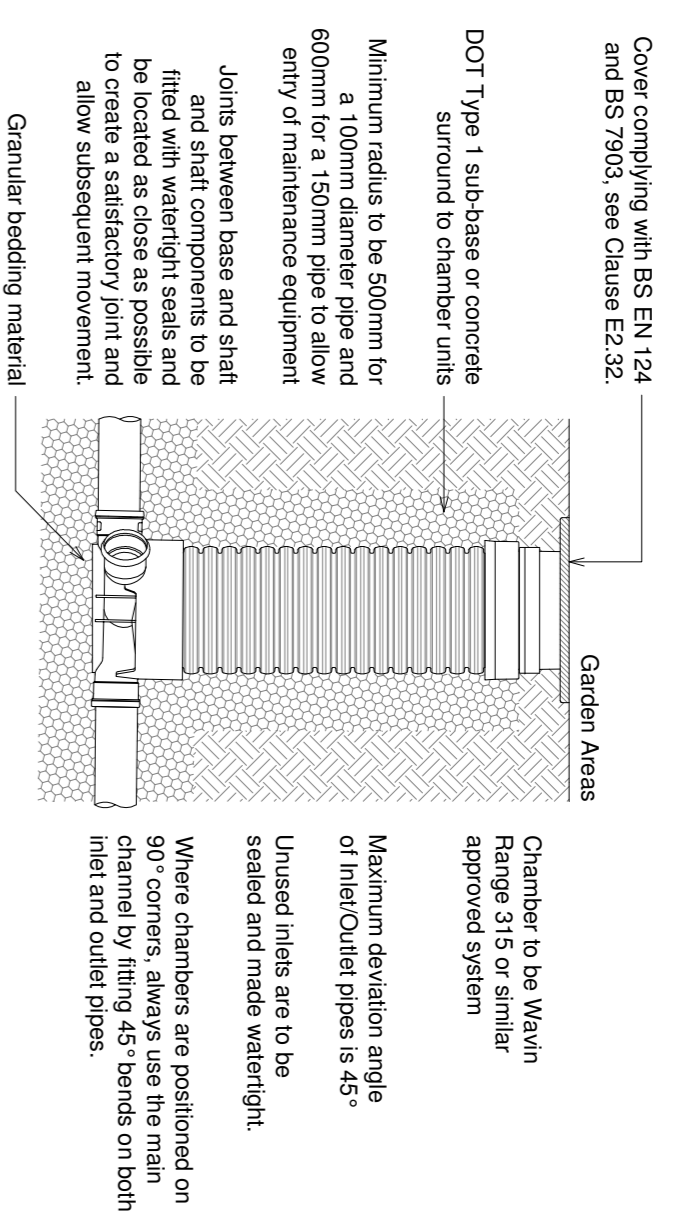


### Typical Type 4 Chamber Detail (Non-Entry)

- Scale 1:20
- Max depth from cover to soffit of pipe 2.0m
  - For individual access cover grades see schedules.



- NOTE:
- Plastic chambers and rings shall comply with BS EN 13398-1 or BS EN 13398-2 or have equivalent independent approval.
  - Bedfall to be well compensated around shaft of chamber.

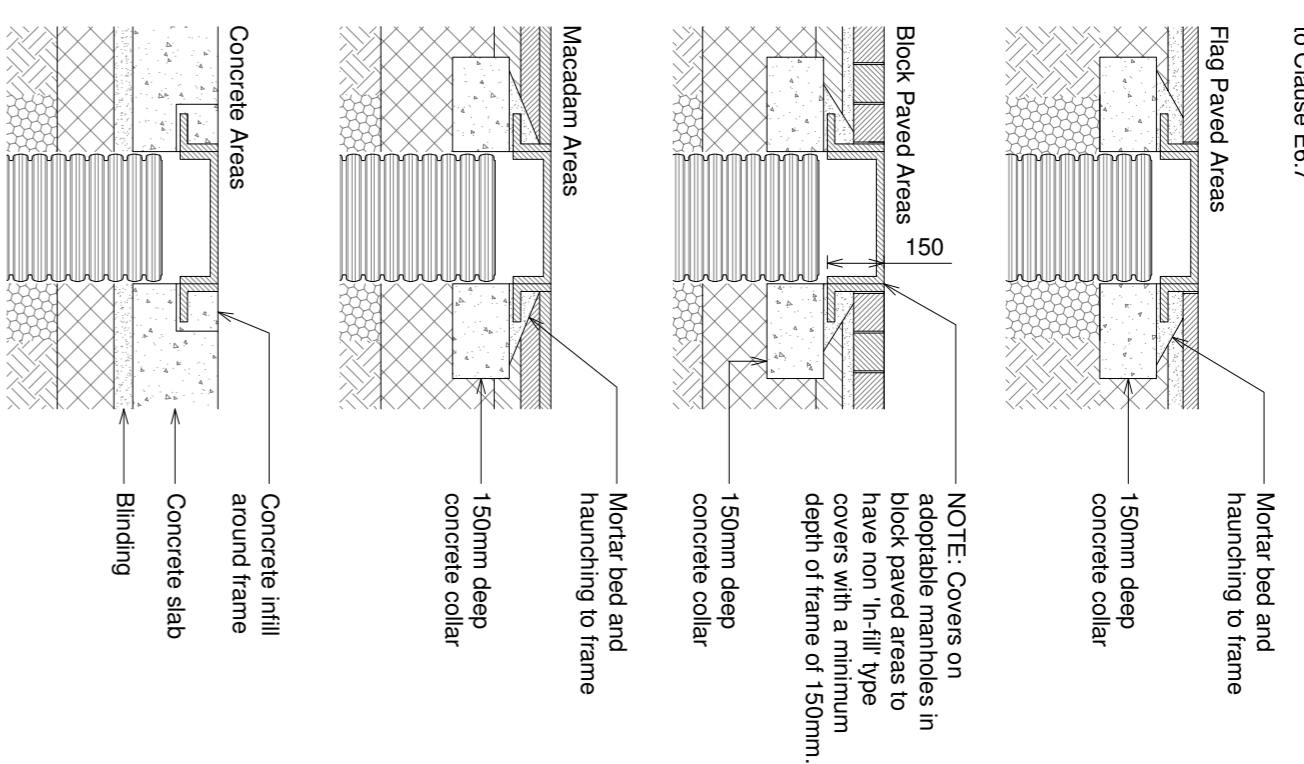
#### Clause: E2.22 Manhole Covers and Frames

- Manhole covers and frames shall comply with the relevant provisions of BS EN124, BS7903 and Highways Agency Guidance Document HA 104/09. They shall be of a non-racking design which does not rely on the use of cushion inserts.
- Manhole covers on foot-only sewers shall be of low leakage types in order to prevent excessive surface water ingress.
- As a minimum, Class D400 covers shall be used in carriageways (including pedestrian streets), hard shoulders and parking areas used by all types of road vehicles.
- Minimum frame depths for NRSWA road categories I to IV shall be as Table E.6.

NRSWA road category	Description	Minimum frame depth (mm)
I	Trunk roads and dual carriageways	150
II	All other A roads	150
III	Bus services	150
IV	All other roads except residential cul-de-sacs	150
-	Residential cul-de-sacs	100

#### Clause: E6.7 Sealing Manhole Covers and Frames

- Manhole frames shall be set to level, bedded and haunched externally over the base and sides of the frame in mortar, in accordance with the manufacturers instructions.
- Frames for manhole covers shall be bedded in a polyester resin bedding mortar in all situations where covers are sited in NRSWA Road Categories I, II or III (i.e. all except residential cul-de-sacs).

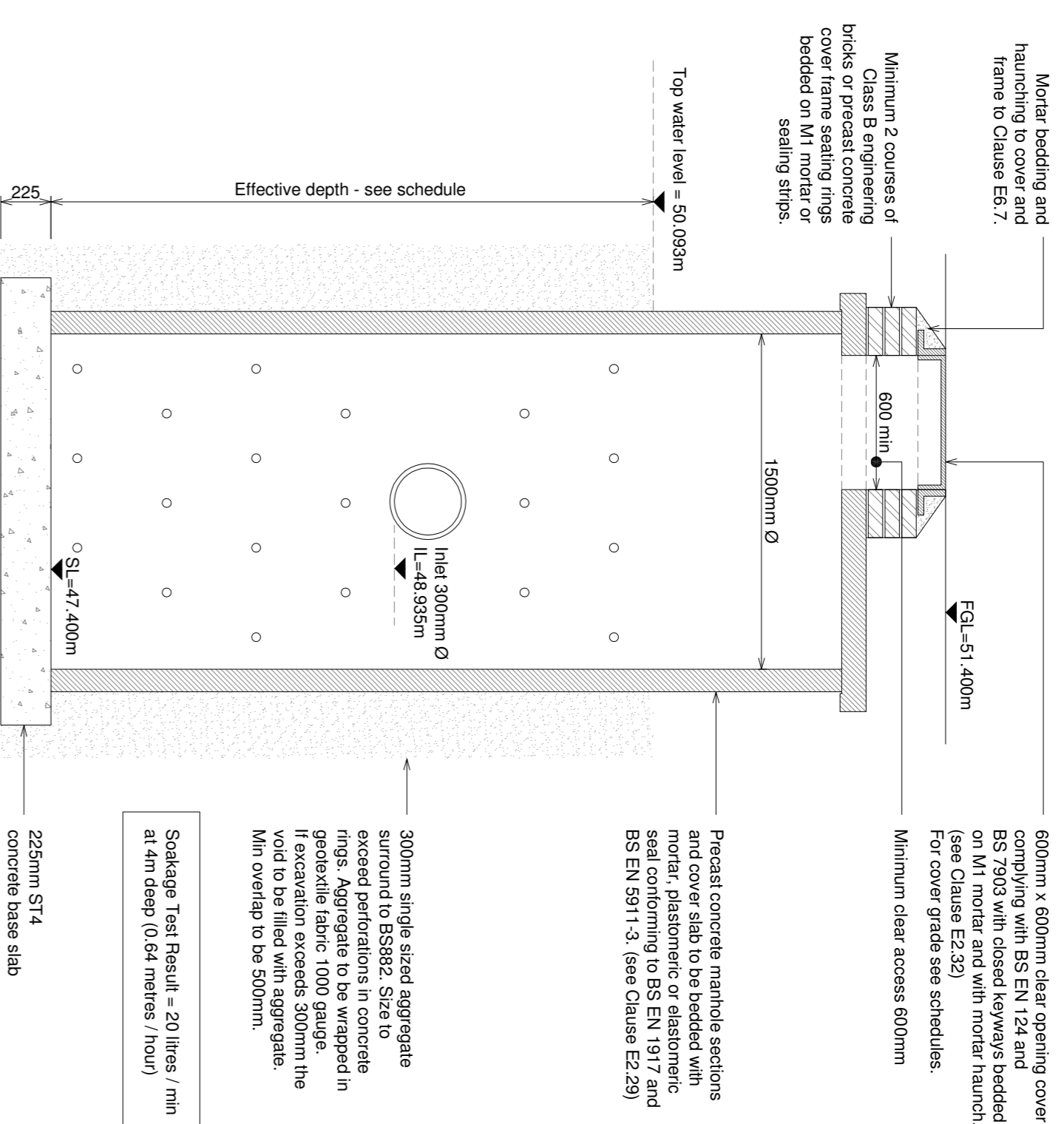


### Typical Type 4 - Alternate Cover Details

- Scale 1:20
- All covers to comply with BS EN 124 and BS 7903, see Clause E2.22. All covers to have mortar bedding and haunching to cover and frame to Clause E6.7.

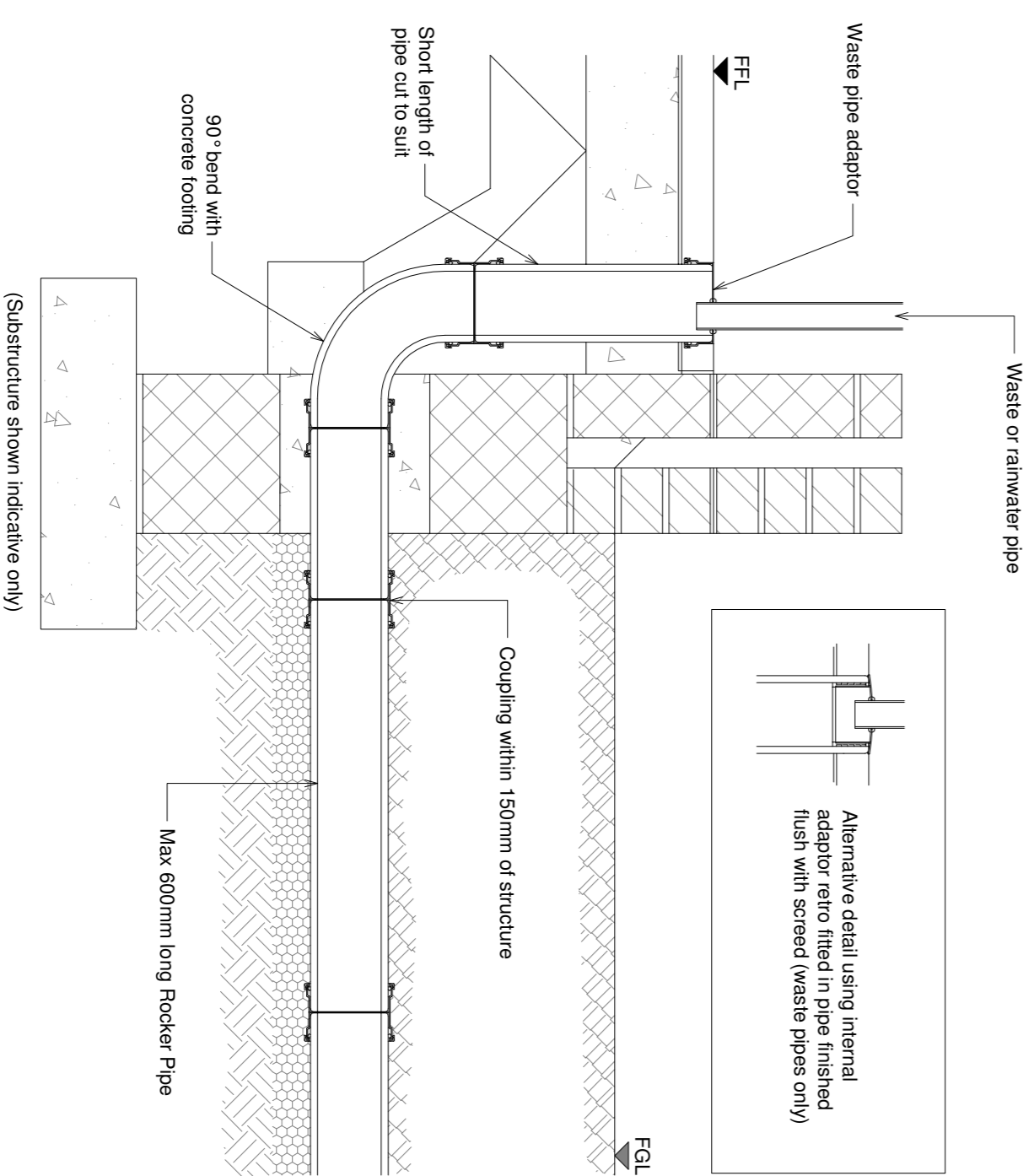
### Typical PCC Soakaway Detail

Scale 1:25



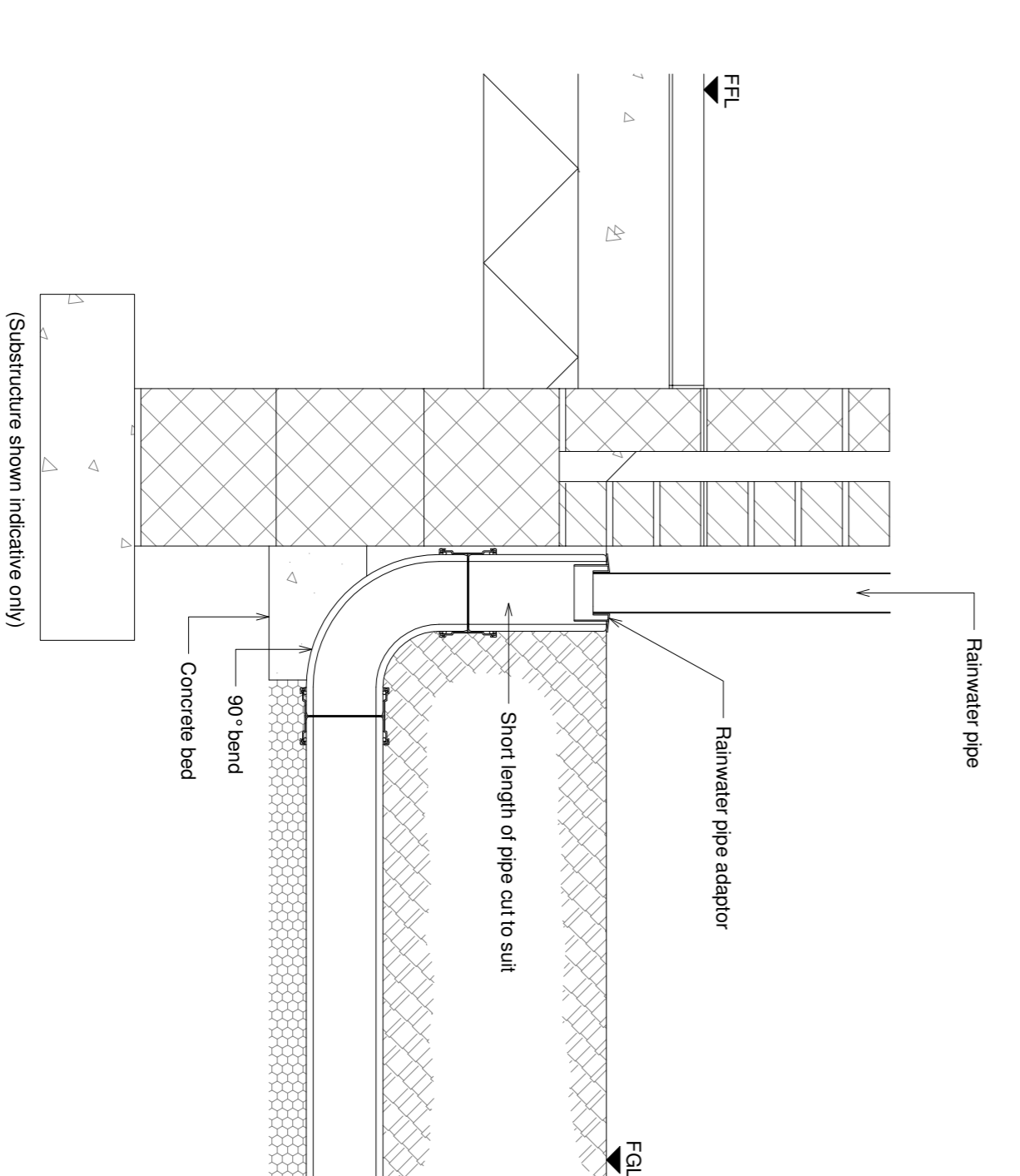
### Typical Internal Waste Pipe Connection Detail

Scale 1:10



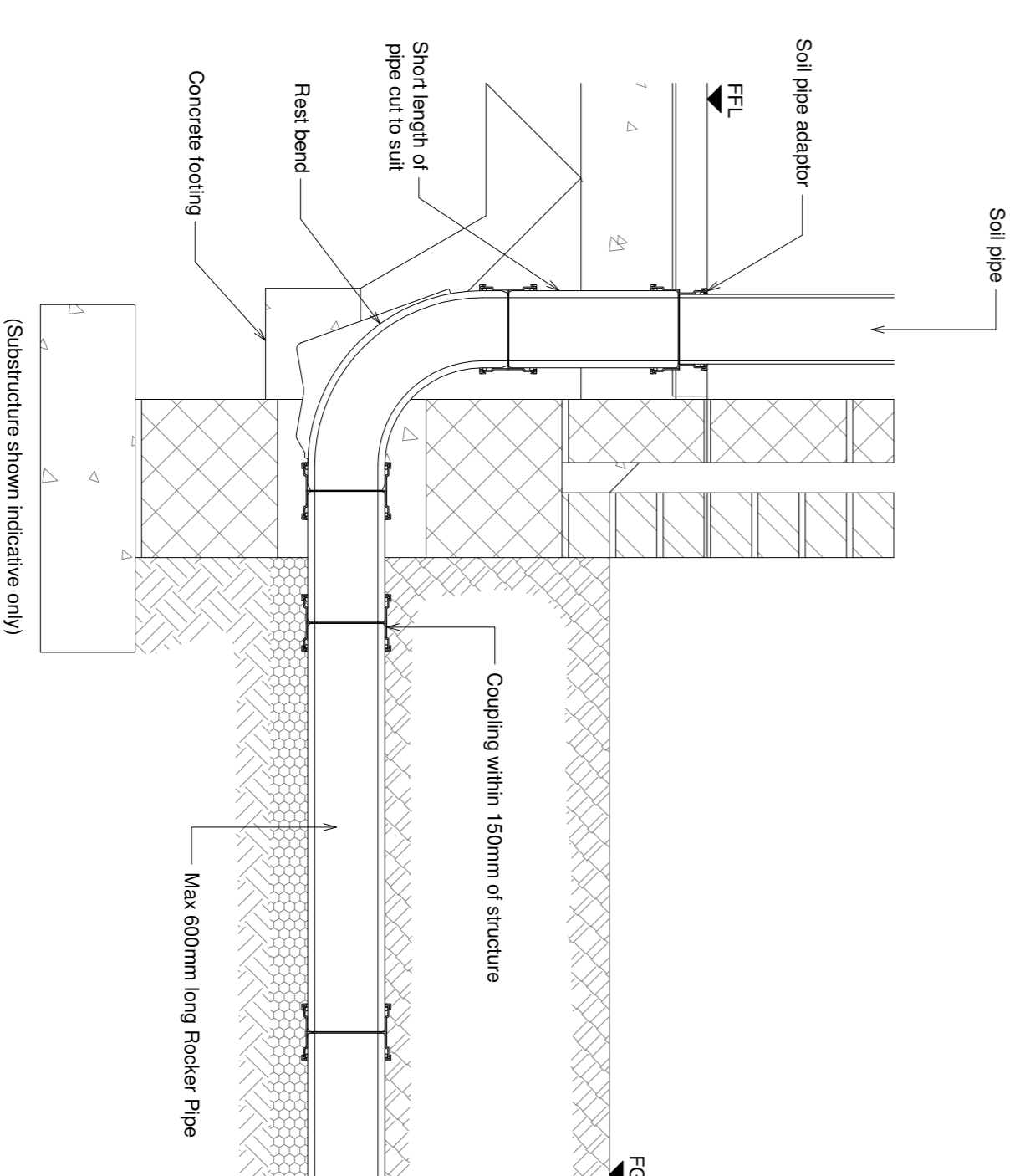
### Typical External Rainwater Pipe Connection Detail

Scale 1:10



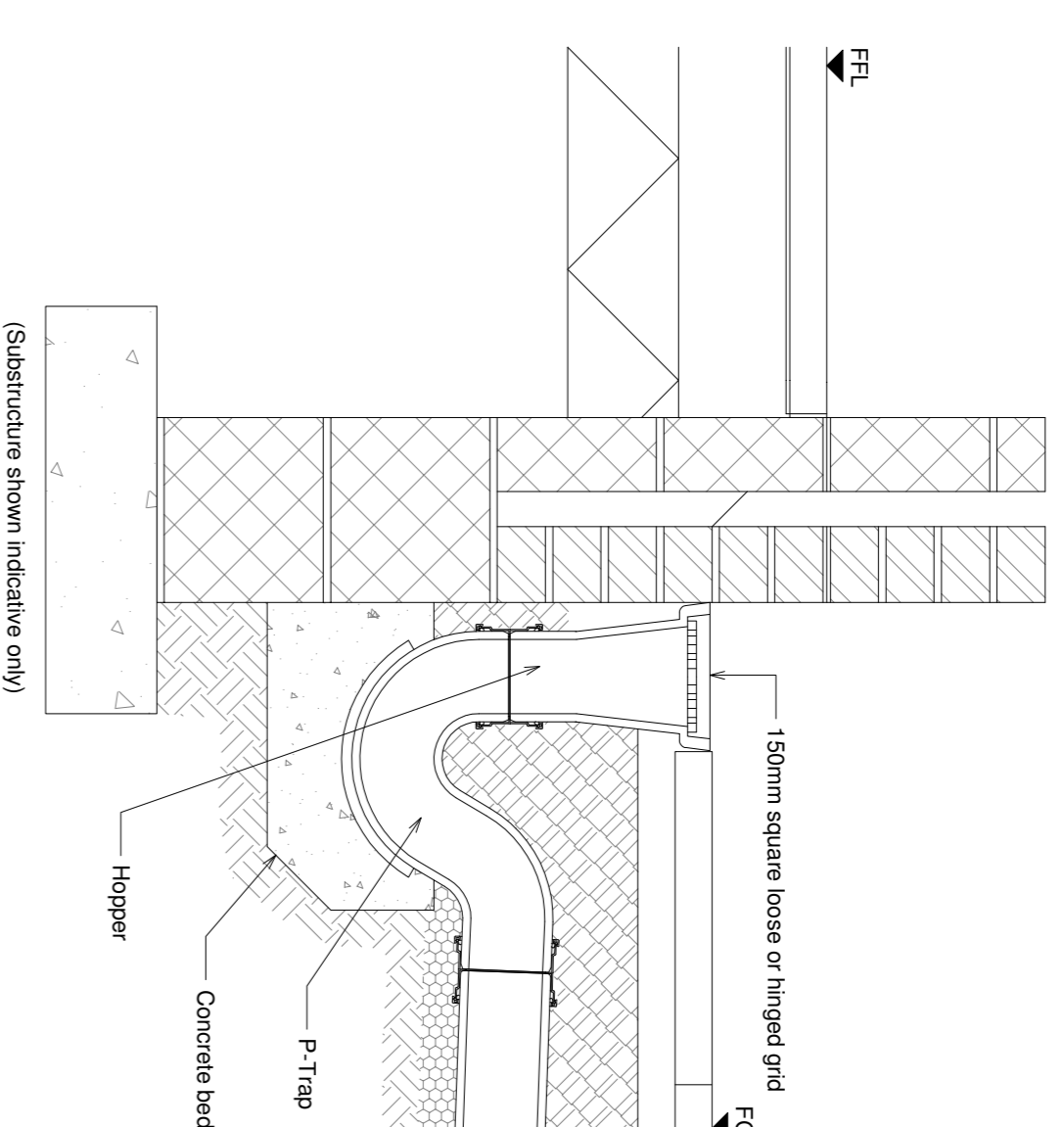
### Typical Soil Vent Pipe / Stub Stack Connection Detail

Scale 1:10



### Typical Trapped Gully Detail

Scale 1:10



- NOTES
- The Contractor should check all dimensions on site.
  - It is the Contractor's responsibility to ensure compliance with building regulations and current codes of practice.
  - Drawings cannot take into account any drains or underground works not locatable by visual survey of the site.
  - Commencement of any building works prior to full building regulation approval is entirely at the contractor's risk.

Rev	Description	Date
01	Client details amended	14/07/2017
00	First issue to client	11/07/2017

PROJECT  
Proposed development at Royal Oak PH, Broad Oak, Chatterbury.

CLIENT  
Wedgeswood Homes

DESIGNED BY  
Proposed Drainage Details  
Sheet 2

DATE  
10/07/2017

SCALE  
PRELIMINARY

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SHEET NO: 01