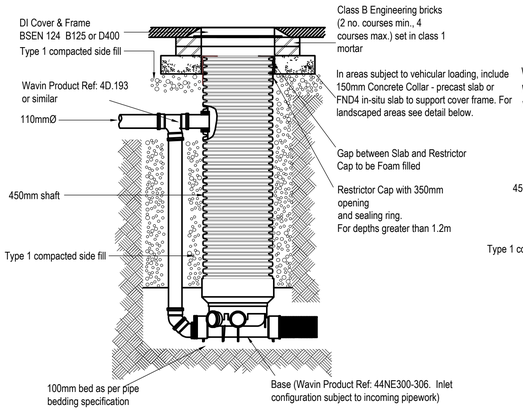
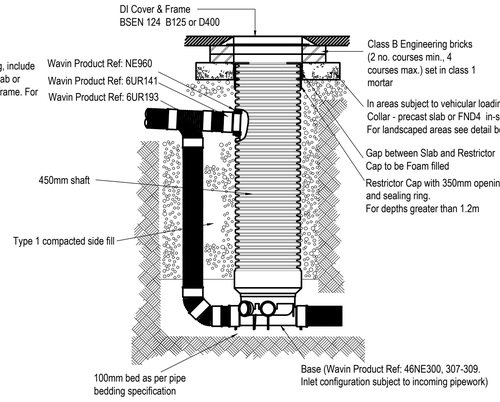


Typical Backdrop with 110mm pipe

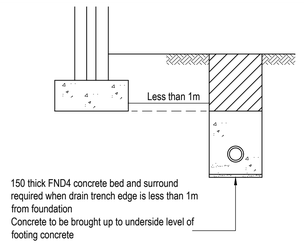


Typical Backdrop with 150mm pipe

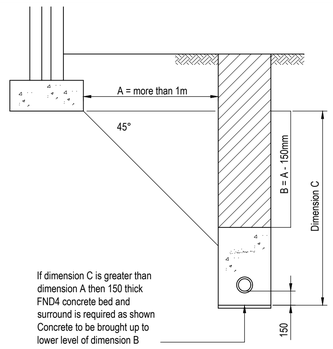
Note- Based on Wavin Installation Manual Fig 25.

Typical Inspection Chamber Backdrop Detail

Scale 1:25



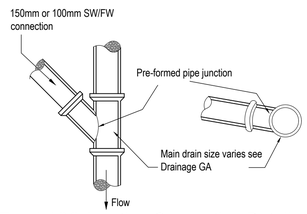
Drain trench edge less than 1m. from footing/foundation edge



Drain trench edge more than 1m. from footing/foundation edge

Pipe Bedding Adjacent to Foundation

(Scale 1:25)



Typcial 'Y' Junction Connection Detail

(Scale 1:25)

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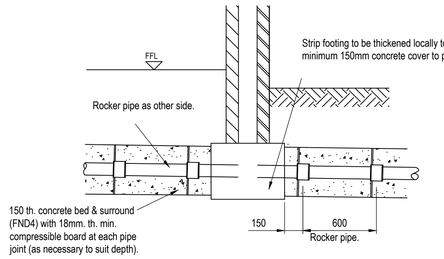
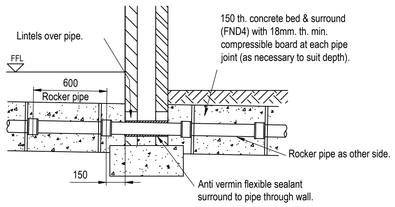
Private Drainage Notes

REFER TO SHEET 2 FOR CONSTRUCTION NOTES



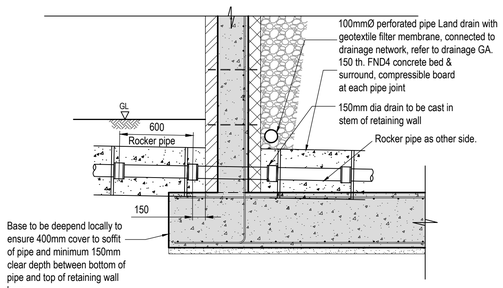
Pipe Through Foundation

Scale: 1:25



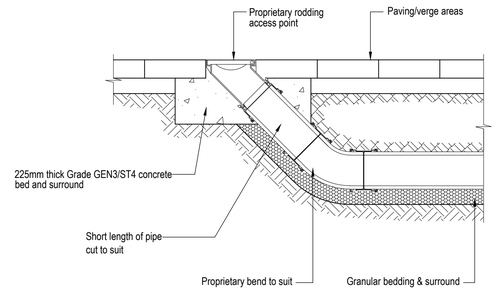
Pipe Through Wall

(Scale 1:25)



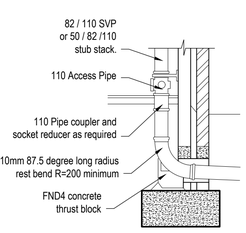
Pipe Cast Through Retaining Wall

(Scale 1:25)

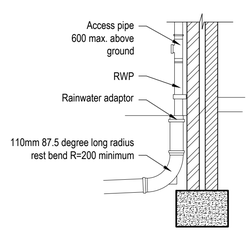


Rodding Eye-Typical Detail

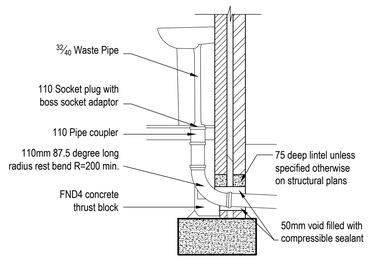
Scale 1:10



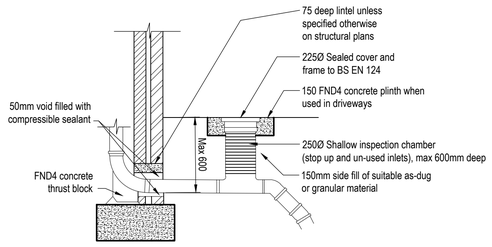
Soil vent pipe and sub stack connection



External RWP to Drain



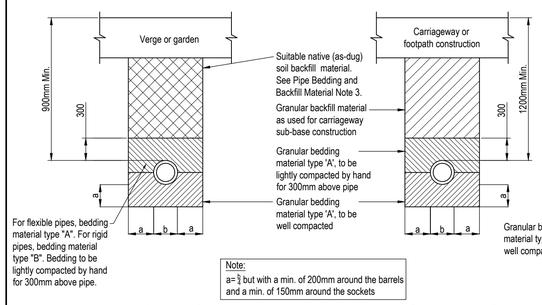
Internal Waste Pipe Connection



Shallow Inspection Chamber

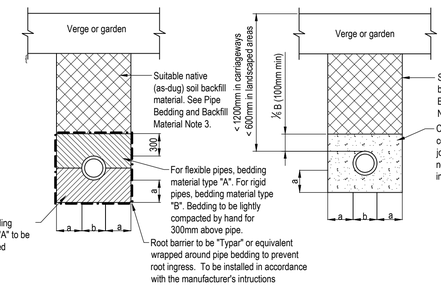
Internal to External Drainage Connections

(Scale 1:25)



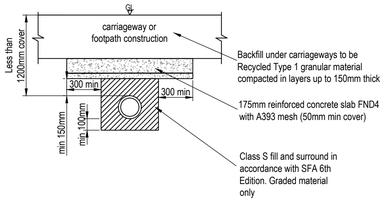
Under Verge or Garden

Under Carriageway or Footway



Under Verge or Garden (adj. to trees)

Plot Drainage Shallow Pipe Bedding Detail



Main Drainage Shallow (cover less than 1.2m) Pipe Bedding Detail with Reinforced Concrete Protection Slab

Pipe Bedding Details

(Scale 1:25)

Pipe Bedding and Backfill Material Notes

(1) Material designated type 'A' shall consist of angular gravel or crushed rock graded in accordance with BS 882, or air cooled blast furnace slag to BS 1047, or sintered pulverised fuel ash to BS 3797, selected according to pipe size as follows:-

Nominal Size of Pipes (mm)	Maximum Particle Size (mm)	Imported Granular Materials
100	10	10mm nominal single-size
Over 100 to 150	15	10 or 14mm nominal single-size or 14mm to 5mm graded
Over 150 to 300	20	10, 14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded
Over 300 to 600	20	14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded
Over 600	40	14, 20 or 40mm single-size or 14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded

(2) Material designated type "B" shall consist of suitable native soil (see note 3), graded according to pipe size as follows:

Nominal Size of Pipes (mm)	Maximum Particle Size (mm)
200 or less	22
201 to 600	40
Over 600	60

Note: for pipes with nominal diameter of less than 100mm, all written instructions of the manufacturer shall be complied with.

(3) Suitable Native (as-dug) Soil shall consist of uniform, readily compactable material, free from oversized particles, tree roots, waste, organic material, snow and ice, and exclude clay lumps larger than 75mm, as per BS EN 1610:2015 Cl. 5.2 and 5.3. Material to be compacted in 225mm layers.

Note:
At each flexible pipe joint a joint filler (e.g. fibreboard or polystyrene) shall be used (see table below), and shall extend through the full thickness of any concrete in contact with the pipe. The concrete bed shall be cut away at each joint to give a clearance of at least 50mm, so that the joint does not bear on the bed.

Rev.	Date	Description	Drn / Chk'd / App'd
P01	16/04/2025	First Issue.	SH / LC / LC

Suitability: S3 - Suitable for Review & Comment

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Client: Halstead Homes (Yorkshire) Ltd

Job: Marsh Lane, Shepley

Title: Drainage Construction Details (Sheet 1 of 3)

Classification: FI_60_20
Scale @ A1: AS SHOWN

Project - Originator - Volume/System - Level/Location - Type - Discipline - Number: B26074 - JNP-XX-XX- DR -C- 3110
Revision: P01
Document/Drawing Number

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