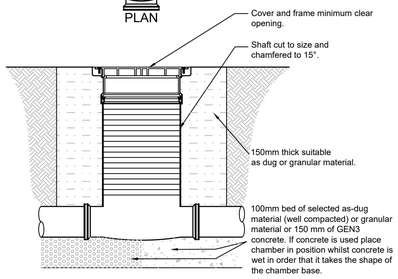


PLAN

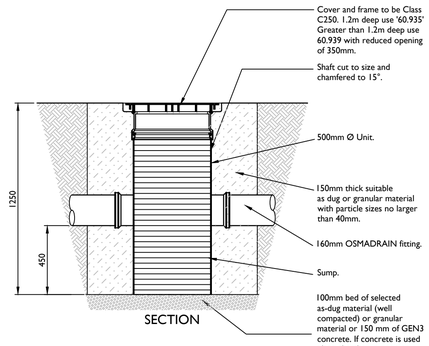


SECTION

POLYPROPYLENE SHALLOW INSPECTION CHAMBER DETAIL (250ø)

(Scale 1:20)

Depth to invert of less than 600mm.

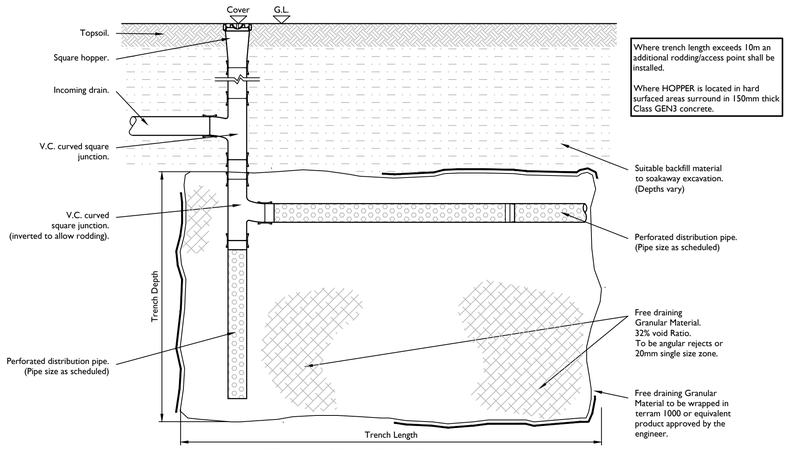


SECTION

POLYPROPYLENE SHALLOW SILT TRAP DETAIL (500Ø)

(Scale 1:20)

Depth to invert 1.25m (standard unit)
Silt Traps installed greater than single unit depth to be extended using Wavin inspection chamber shaft units.

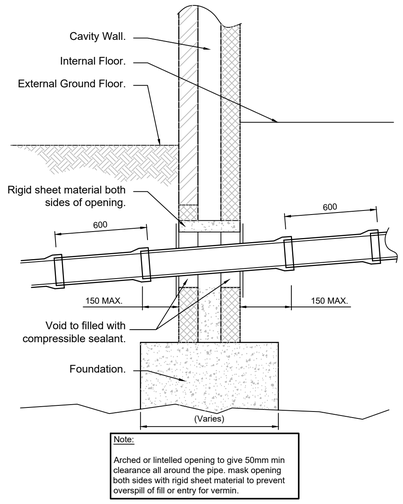


Where trench length exceeds 10m an additional rodding/access point shall be installed.

Where HOPPER is located in hard surfaced areas surround in 150mm thick Class GEN3 concrete.

DETAIL OF (PRIVATE) TRENCH SOAKAWAY (HOPPER ACCESS ONLY)

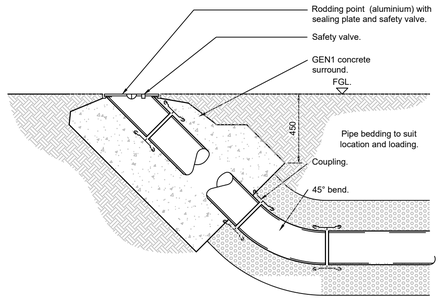
(Scale 1:20)



Note:
Arched or lintelled opening to give 50mm min clearance all around the pipe. mask opening both sides with rigid sheet material to prevent overspill of fill or entry for vermin.

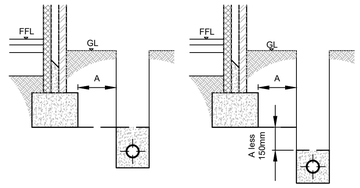
TYPICAL SECTION PIPE PASSING THROUGH WALL PIPE THROUGH LINTELLED OPENING

(Scale 1:20)



DETAIL OF RODDING EYE

(Scale 1:20)

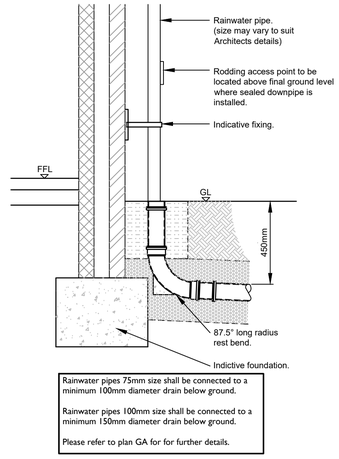


Where 'A' is less than 1.0m. concrete fill trench to this level

Where 'A' is more than 1.0m. concrete fill trench to this level

DETAIL OF PIPE RUNS NEAR BUILDINGS

(Scale 1:20)



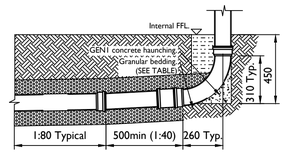
Rainwater pipes 75mm size shall be connected to a minimum 100mm diameter drain below ground.

Rainwater pipes 100mm size shall be connected to a minimum 150mm diameter drain below ground.

Please refer to plan GA for further details.

TYPICAL RWP REST BEND DETAIL

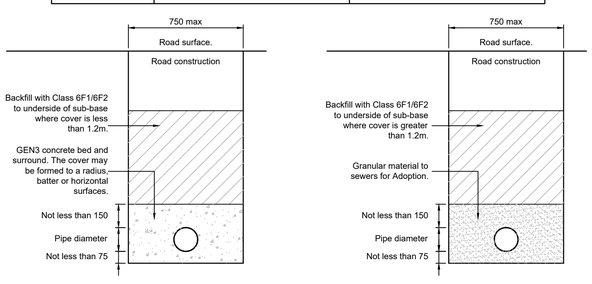
(Scale 1:20)



DETAIL OF FOUL REST BEND

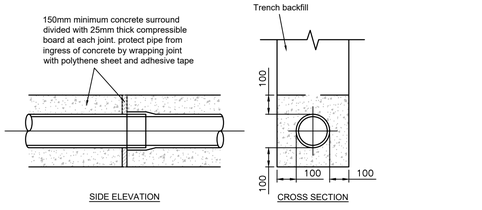
(Scale 1:20)

PERMITTED PIPE/BEDDING TYPES		
	DEPTH OF COVER BELOW ROADS	
	1.2m-3.5m	LESS THAN 1.2m
PIPE BEDDING	TYPE S	TYPE Z
PIPE TYPE	CONCRETE CLASS M TO BS:5911 OR VITRIFIED CLAY TO BS:65, WITH FLEXIBLE JOINTS SUPER STRENGTH CLASS FOR 225 AND 300mmØ. EXTRA STRENGTH CLASS FOR ALL OTHER SIZES.	CONCRETE CLASS M TO BS:5911 OR VITRIFIED CLAY TO BS:65, WITH FLEXIBLE JOINTS SUPER STRENGTH CLASS FOR 225 AND 300mmØ. EXTRA STRENGTH CLASS FOR ALL OTHER SIZES.



PIPE BEDDING DETAILS (UNDER HIGHWAYS)

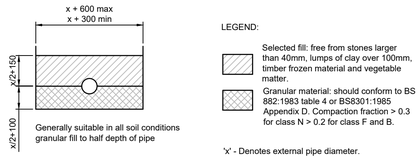
(Scale 1:20)



CONCRETE BED AND SURROUND TO PIPES UNDER DRIVES AND GARDENS

Depth of cover less than 0.35m under private gardens and 0.5m under private drives

(Scale 1:20)



PIPE BEDDING DETAIL UNDER DRIVES AND GARDENS

Min depth of cover 0.35m under private gardens and 0.5m under private drives

(Scale 1:20)

Minimum Dimensions for Access Fittings and Chambers						
Type	Internal Sizes				Cover Sizes	
	Depth to invert (m)	Size of largest pipe (DN)	Length x Width (mm)	Circular (mm)	Length x Width (mm)	Circular (mm)
Rodding Eye	As Drain but Minimum 100mm					
Shallow Access						
Small	0.6 or less	150	150x100	150	150x100	150
Large			225x100		225x100	
Inspection Chamber	0.6 or less			190		190
	1.2 or less	150	450x450	450	450x450	450
	1.2 - 3.0		450x450	450	300x300	350
Manhole	1.5 or less	150	675x750	1200	675x750	n/a
		225	675x1200	1200	1200x675	n/a
		300	675x1200	1200	1200x675	n/a
		>300	DN+450 x1800	The larger of 1800 or (DN+450)	1200x675	n/a
	Over 1.5	225	1200x1000	1200	600x600	600
		300	1200x1075	1200	600x600	600
		375-450	1350x1225	1200	600x600	600
		>450	DN+775 x1800	The larger of 1800 or (DN+775)	1200x675	600
Manhole Shaft	Over 2.7		900x840	900	600x600	600

BUILDING REGULATIONS MINIMUM DIMENSIONS FOR MANHOLES

(Not to Scale)

This plan complies with the Building Regulations 2002 Section 'H' - Drainage & Waste Disposal.

1:20 @ A1
1:40 @ A3

0 200 400 600 800 1000 1200 1400 1600 1800 2000 mm

NOTES

A1

1. This drawing is to be read in conjunction with all other Bright Plan Civils drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
2. Bright Plan Civils accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
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Rev.	Amendments	Date
A	Soakaway annotation updated	18/11/2021
-	Original Issue	10/11/2021

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Drawing Status: FOR APPROVAL

Client: Mrs Kim Matthews

Project: 110 Old Fort Road, Shoreham-by-sea BN43 5HB

Drawing Title: Construction Details

Scale	Date	Drawn By	Checked By
1:200	10/11/21	MJA	MJA

Drawing No.: D2028-PL301

Rev.: A