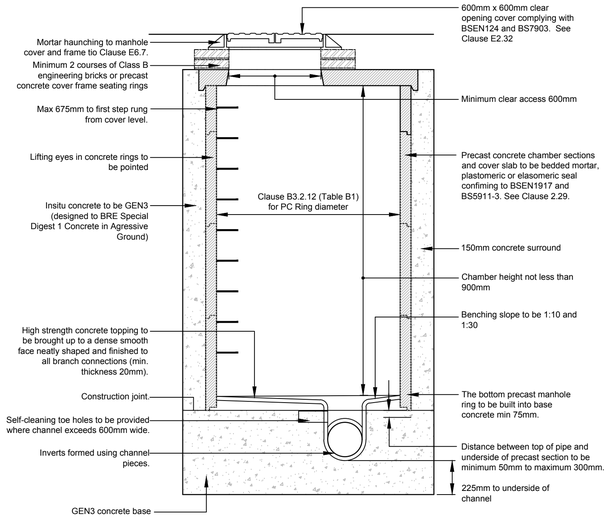
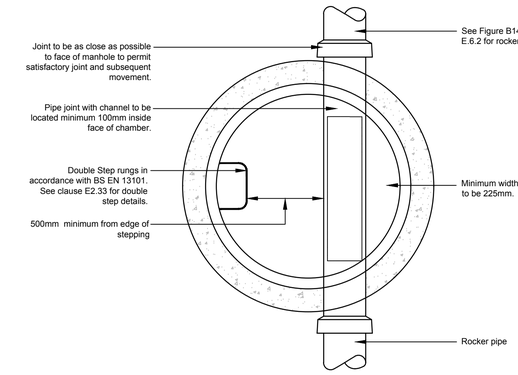


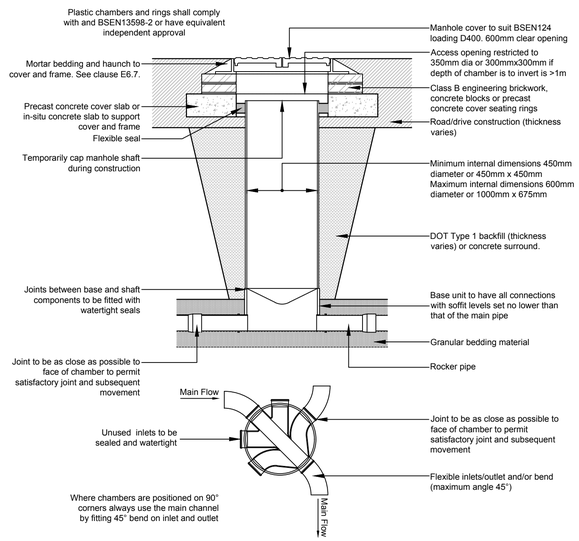


TYPICAL MANHOLE DETAIL - TYPE 2

Maximum depth from cover level to pipe soffit 3.0m
(Scale 1:20)

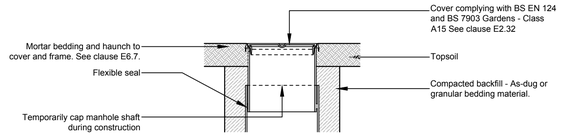
TYPICAL ACCESS CHAMBER DETAIL - TYPE 4 (FOOTPATHS AND PRIVATE DRIVES)

0.6m maximum depth to from cover to pipe soffit. (non entry) located in areas subject to light vehicles and footpaths
(Scale 1:20)



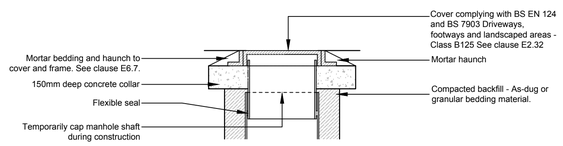
TYPICAL ACCESS CHAMBER DETAIL - TYPE 3

3m maximum depth to from cover to pipe soffit. (non entry) vehicle loading
(Scale 1:20)



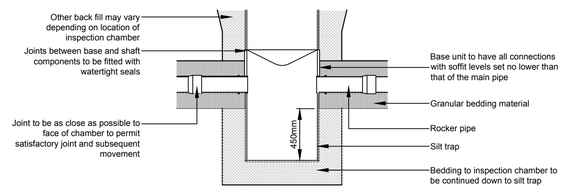
ALTERNATIVE TOP DETAIL - TYPE 3

Sited in domestic gardens subject to pedestrian loading only
(Scale 1:20)



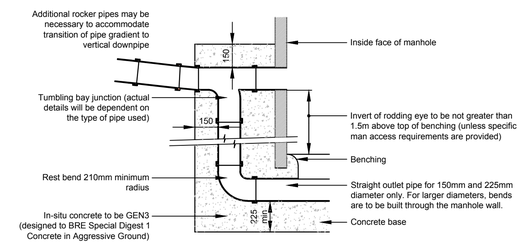
ALTERNATIVE TOP DETAIL - TYPE 3

Sited in driveways/paved areas subject to light vehicle loading only
(Scale 1:20)



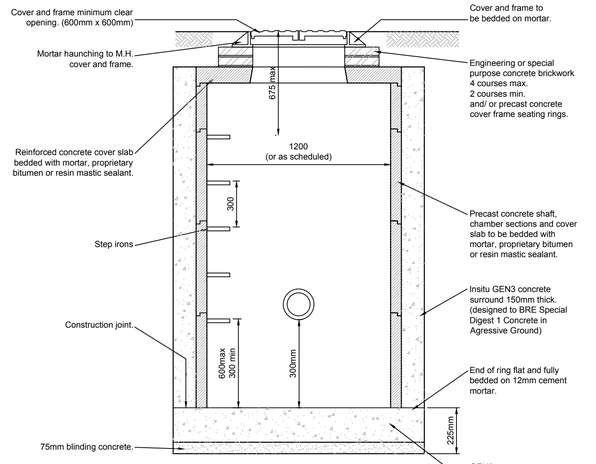
TYPICAL SILT TRAP DETAIL - TYPE 3

(Scale 1:20)



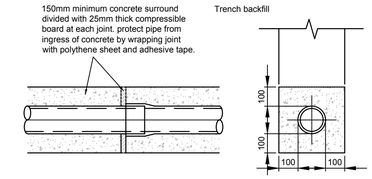
VERTICAL BACKDROP DETAIL

(Scale 1:20)



TYPICAL CATCHPIT DETAIL (1200Ø)

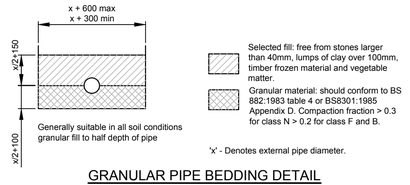
(Scale 1:20)



CONCRETE BED AND SURROUND TO PIPES

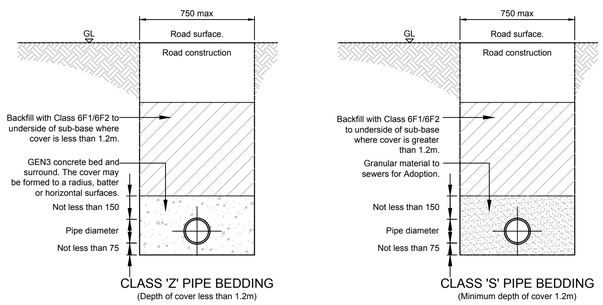
(Scale 1:20)

LIMITS OF COVER FOR THERMOPLASTIC PIPES IN ANY WIDTH OF TRENCH					
Nominal Size	Fields and gardens		Light traffic roads		Heavy traffic roads	
	MIN	MAX	MIN	MAX	MIN	MAX
100-300mm	0.6	7.0	0.9	7.0	0.9	7.0



GRANULAR PIPE BEDDING DETAIL

(Scale 1:20)
Refer to Limits of Cover Table below for minimum covers.



PIPE BEDDING DETAILS (UNDER HIGHWAYS)

(Scale 1:20)

NOTES

A1

1. This drawing is to be read in conjunction with all other RGP 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. RGP accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
3. Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care whilst undertaking the works.
5. All dimensions to be checked on site. All details and dimensions relating to sub-contractors work must be checked and agreed between the sub-contractor or supplier and the general contractor.
6. The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. RGP logos and company information must be removed from copies if information is re-used.
7. The main contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
8. The main contractor is responsible for dealing with all occurrences of ground water during the construction period.
9. The contractor must comply with all current legislation relating to health & safety.
10. All products specified shall be installed in strict accordance with the manufacturers recommendations and instructions. If there are discrepancies between that information and the details on any RGP drawings, the manufacturers instructions must be used.

DRAINAGE NOTES:

1. All drainage works to be constructed in strict accordance with specification of the local authority, building regulations, sewers for adoption, BS8301 & BSEN.752-1.
2. For location and setting out of building drainage points refer to architects drawings.
3. All pipe runs near buildings to comply with the building regulations 2002 Part H1. Where a pipe is within 1m of a foundation the trench shall be filled with class GEN3 concrete up to the lowest level of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class GEN3 concrete to a level below the lowest level for the foundation equal to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN3 concrete.
4. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN3 concrete encasement (150mm thick).
5. Where a pipe, under a carriageway, has a depth of cover of less than 1.2m the pipe shall be laid with a concrete bed and surround.
6. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
7. All private building drainage shall be constructed in strict accordance with BSEN.752-1. unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of (<1½ = 1 in 40/>1½ = 1 in 80) for foul drains and 1 in 80 for surface water drains.
8. All pipes, bends and junction for private building drainage shall be upvc conforming to BS4660 and BS5481 as appropriate and shall be laid in accordance with the manufacturer's specification.
9. All gully connections other than at manholes to be 'y' junctions. All road gully connections to be 150mm diameter.
10. All stub stacks to be fitted with air admittance valves where branch drain exceeds 12m except at the head of the run. Soil vent pipes located at the head of a run to terminate to fresh air.
11. All connections to be soffit to soffit unless otherwise noted.
12. All concrete and concrete products to be in accordance with BRE 363 for sulphates.
13. The locations and sizes of all svps and rwps shall be cross referenced against the architects drawings during setting out.
14. The precise depth and location and size of existing pipes or manholes where connections or diversion are proposed must be confirmed and reported to the engineer prior to commencement.
15. All soakaways are to be located a minimum of 5m from any proposed or existing buildings.

PRELIMINARY

SUPPORTING DRAWINGS:

Drg No.	Drg Title.
201	Drainage & Levels Layout
211	Setting Out
221	Surface Finishes
251	Drainage Details Sht.2
260	Construction Details
280	S278 Layout and Details

Rev.	Date	Amendments	Drawn	Appr.
-	-	-	-	-

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Drawing Title
Drainage Details
(Sheet 1 of 2)

Scale	Drawn By	Checked By	Approved By
As shown	LG	MJA	MJA

Date	Drawing No.	Rev.
July 2017	2017/D1304/250	-

ARUN DISTRICT COUNCIL BE1304/1700/C