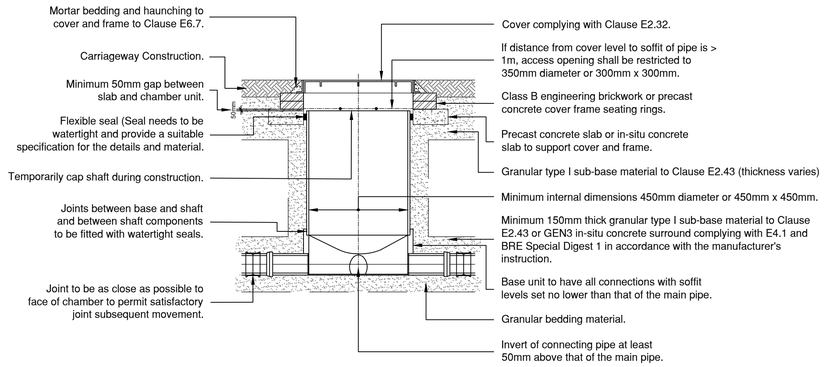
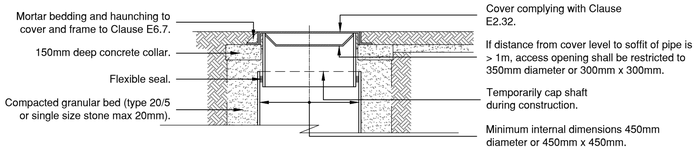
NOTE:- WHERE SCHEDULE INDICATES CATCHPIT,
BASE OF CHAMBER TO BE CONSTRUCTED
500mm SUMP IN PLACE OF BENCHED BASE



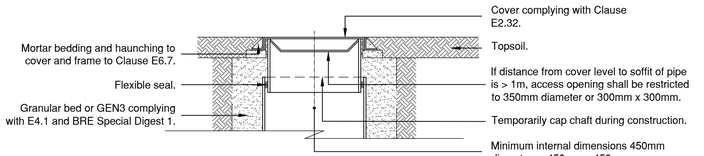
Typical Inspection Chamber Detail - Type D

Based on Figure B18 - SSG Appendix C Design and Constructio Guidance v2.3.
Depth from cover level to soffit of pipe up to 3m
Flexible material construction for use in areas subject to vehicle loading



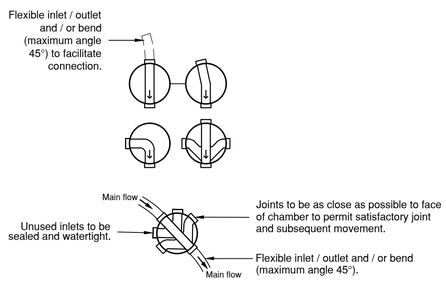
Sited In Domestic Driveways Or Footways

Based on Figure B19 - SSG Appendix C Design and Construction Guidance v2.3



Sited In Domestic Gardens

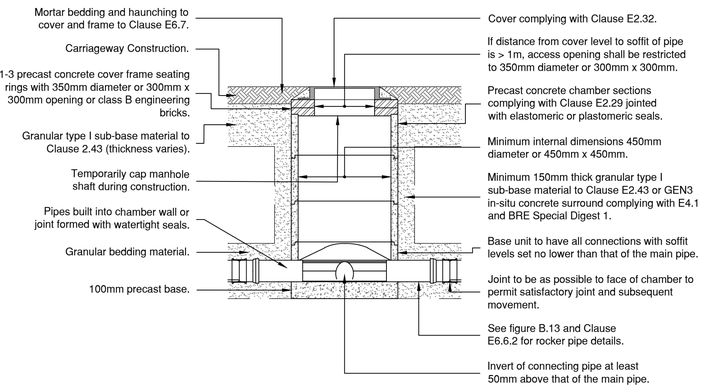
Based on Figure B19 - SSG Appendix C Design and Construction Guidance v2.3



Where chambers are positioned on 90° corners, always use the main channel by fitting a 45° bend on the inlet and outlet.

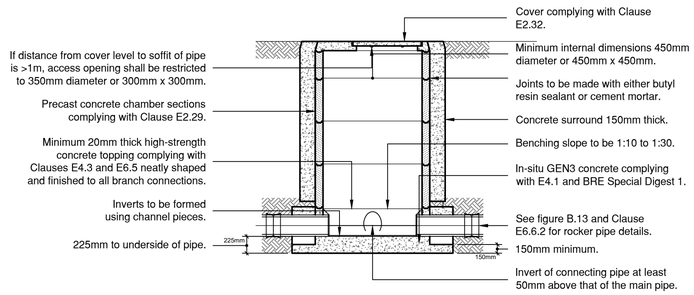
Typical Base Layouts For Type D Chambers

Based on Figure B22 - SSG Appendix C Design and Construction Guidance v2.3



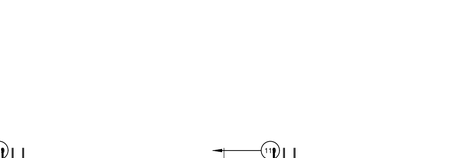
Typical Inspection Chamber Detail - Type D

Based on Figure B20 - SSG Appendix C Design and Construction Guidance v2.3.
Depth from cover level to soffit of pipe up to 3m
Rigid material construction for use in areas subject to vehicle loading

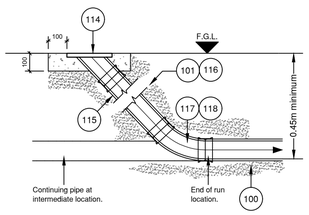


Typical Inspection Chamber Detail - Type D

Based on Figure B21 - SSG Appendix C Design and Construction Guidance v2.3.
Depth from cover level to soffit of pipe up to 3m
Rigid material construction for use in areas subject to vehicle loading or landscaped areas

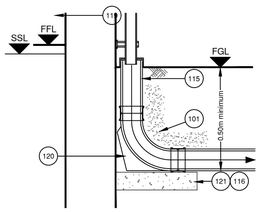


100	Granular bedding material	121	100mm bed of selected as dug or granular material; if ground conditions unstable (Site Control to confirm) use 100mm bed of GEN 4 Designated Mix insitu concrete.
101	Compacted backfill - As-dug or granular bedding material	122	Short radius 90 degree bend.
108	Class B engineering brickwork, concrete blocks 4 courses maximum or 2 courses minimum. or precast concrete cover frame seating rings	123	Square hopper with back inlet and alloy grid or sealing plate.
114	Grade C light duty oval cover, sealing ring and rodding eye in 100mm insitu concrete surround set level with finished ground level. Where located in areas subjected to vehicle loading, cover to be Hepworth square rodding point product code SRPS1/1, concrete surround to be increased to 150mm and laid below surface course.	124	Cement mortar joint/infill.
115	Pipe cut to required length.	125	Minimum 150mm thick GEN 4 concrete surround.
116	Concrete bed and surround will be required where inspection chambers are installed in soft landscaped areas subjected to heavy construction traffic.	126	Rubber plug.
117	45 degree bend.	127	Catchment bucket.
118	Oblique 45 degree junction.	128	Round or square road gully with grating and frame to BS EN 124, Grade B as detailed on drainage layout and schedules, set in 1:3 cement and sand mortar centrally over gully chamber.
119	PVCu rainwater down pipe. (CSS)	129	Round or square gully grid; black cast iron to drives with a bitumous surface and alloy finish elsewhere.
120	Rest bend, for use up to two storey only.	130	Minimum 100mm thick GEN4 concrete surround.

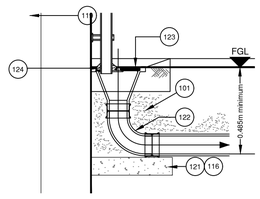


Rodding Point

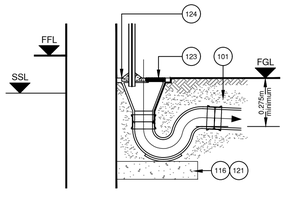
100 or 150mm dia. connections.



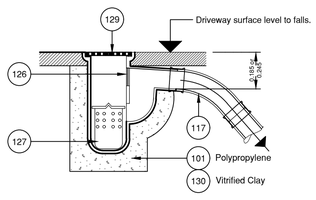
Direct Rainwater Connection



Direct Rainwater Connection through Gully

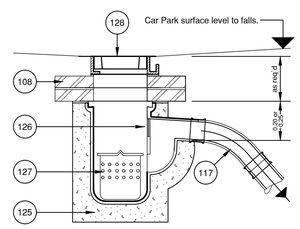


External sink waste into trapped Back inlet gully



Private Drive Gully

Round or square polypropylene or vitrified clay gully.
300mm diameter x 600mm invert depth.
100 or 150mm dia. connection.



Private Car Park Gully

Round or square polypropylene or vitrified clay gully.
300mm diameter x 600mm invert depth.
100 or 150mm dia. connection.

NOTES

1. This drawing should be read in conjunction with other Domestic Drainage Construction Details, Foul & Surface Water Sewer Longitudinal Sections (200 Series), Foul & Surface Water Sewer Manhole Schedules (400 Series) & Domestic Drainage Layouts (450 Series).
2. All dimensions are in millimetres unless stated otherwise.
3. Do not scale from this drawing. Only written dimensions are to be used.
4. All drainage construction to be in accordance with the Building Regulations & BS8301 & Sewerage Sector Guidance Appendix C Design and Construction Guidance v2.3 dated November 2023 and specific requirements of IWNL.
5. Refer to geotechnical report for sulphate resisting class and ACEC class.
6. Insitu concrete generally to be GEN 4 Designated Mix.
7. Insitu reinforced concrete to be RC 35 Designated Mix only when specified.
8. All insitu concrete to be thoroughly compacted.
9. All covers to be stamped "FW" or "SW" as appropriate.
10. For Manufacturer and specification of pipes and fittings refer to drainage layout and schedule.
11. Drainage pipes and fittings to be Hepworth vitrified clay and PVCu or Wavin Osma PVCu or other equal approved. Refer to drainage layout and schedules for details of manufacturer and specification.
12. ***Outgoing pipes greater than 600mm diameter should be fitted with guard bars, safety chains [to BS EN 818-3] or other safety devices in accordance with the IWNL Water safety policy.***

DEPTH OF PIPE COVER

The minimum depth of pipe cover to the crown of gravity pipes without protection should be as follows:

- domestic gardens and pathways without any possibility of vehicular access, 0.35m;
- domestic driveways, parking areas and yards with height restrictions to prevent entry by vehicles with a gross weight in access of 7.5 tonnes, 0.5m;
- domestic driveways, parking areas and narrow streets without footways (e.g. mews developments) with limited access for vehicles with a gross weight in excess of 7.5 tonnes, 0.9m;
- agricultural land and public open space, 0.9m;
- other highways and parking areas with unrestricted access to vehicles with a gross vehicle weight in excess of 7.5 tonnes, 1.2m.

SUBJECT TO ADOPTING AUTHORITY APPROVAL

CDM NOTES

1. EXISTING SERVICES. Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

Rev.	Date	Details	By	Chkd	Appd
A	30.10.24	Subject to adopting authority approval.	KG	JC	TRS

Client:- FOREMAN HOMES

Site:- Land West of Church Lane, & Horsemere Green Lane Climping, West Sussex

Drawing Title:- DOMESTIC DRAINAGE CONSTRUCTION DETAILS SHEET 1 OF 2

Date: May 2024 | Scales: Not to Scale at A1
Drawn: AD | Checked: MW | Approved: TRS

Drawing No. FOR/E5139/473 A

FOR CONSTRUCTION

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