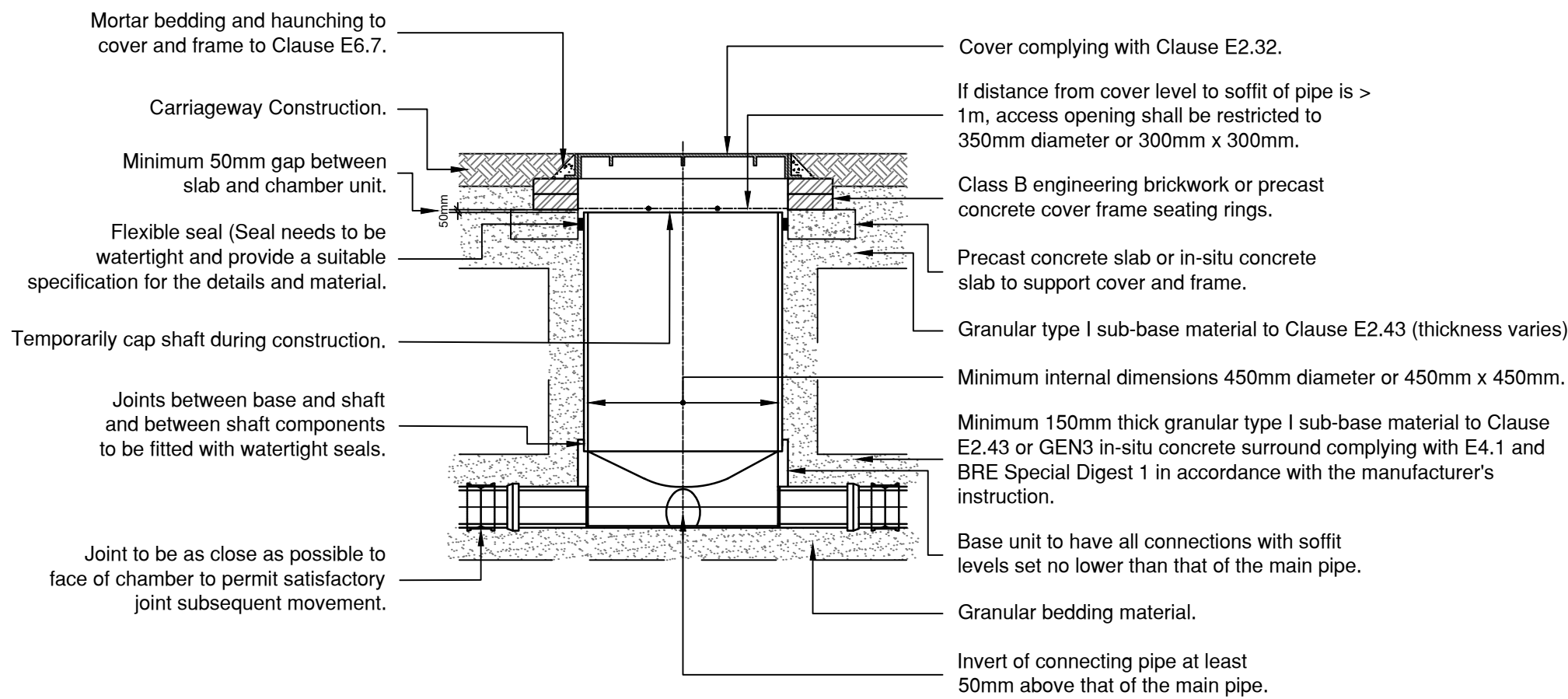


NOTE:- WHERE SCHEDULE INDICATES CATCHPIT,
BASE OF CHAMBER TO BE CONSTRUCTED
450mm SUMP IN PLACE OF BENCHED BASE

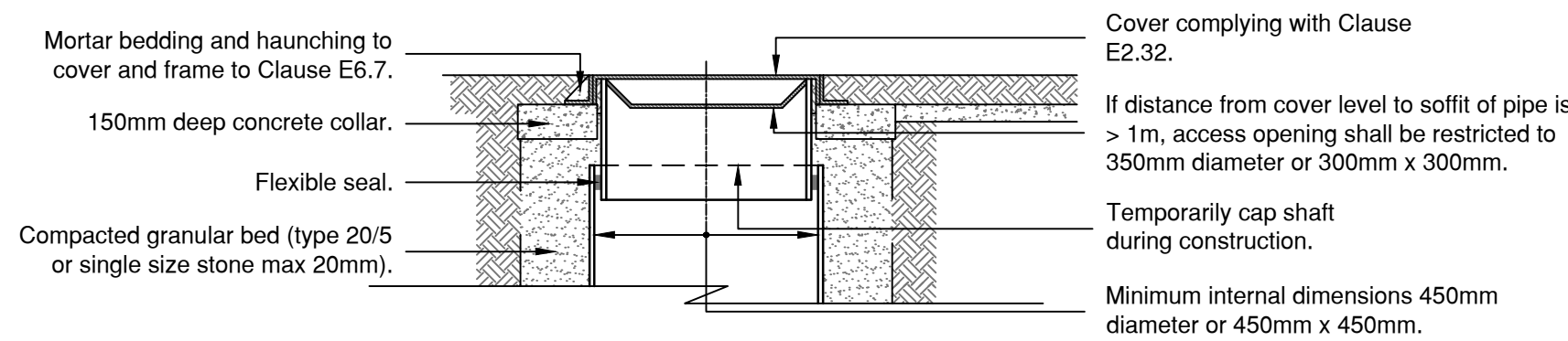


Typical Inspection Chamber Detail - Type E

Based on Figure B18 - SSG Appendix C Design and Constructio Guidance v2.3.

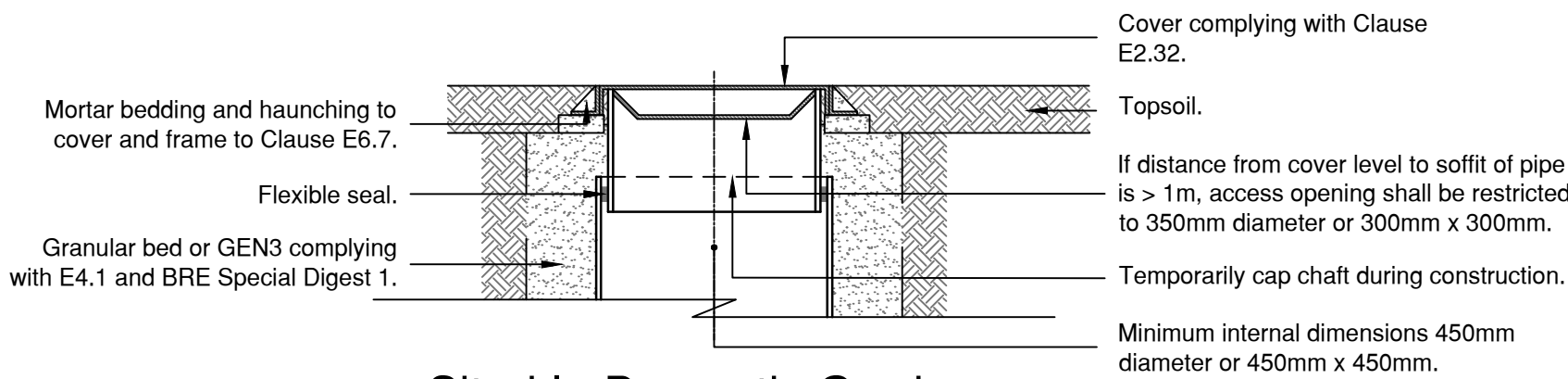
Depth from cover level to soffit of pipe up to 3m

Flexible material construction for use in areas subject to vehicle loading



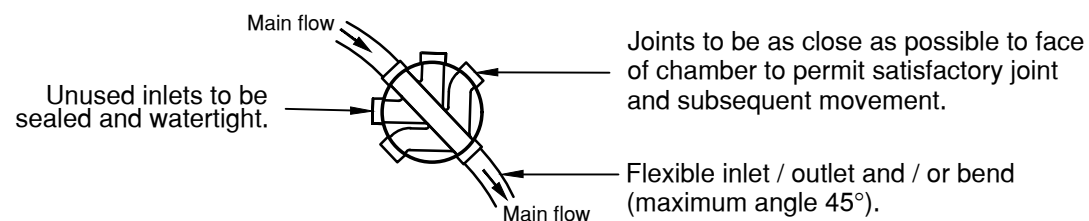
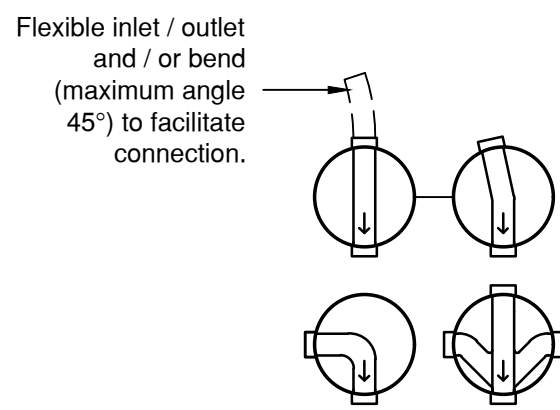
Sited In Domestic Driveways Or Footways

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

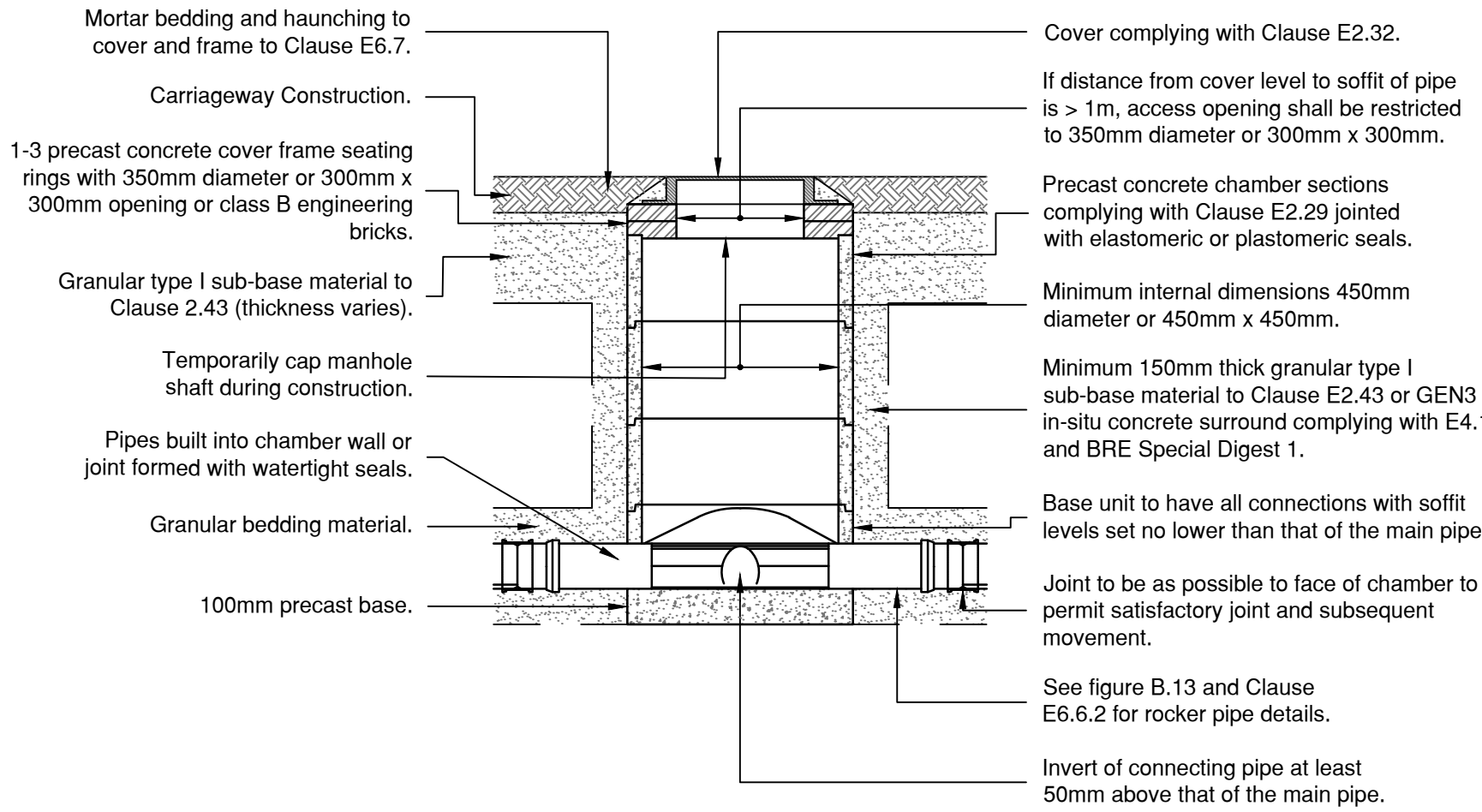


Where chambers are positioned on 90° corners, always use the main channel by fitting a 45° bend on the inlet and outlet.

Typical Base Layouts For Type E Chambers

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

- 100 Granular bedding material
- 101 Compacted backfill - As dug or granular bedding material
- 108 Class B engineering brickwork, concrete blocks 4 courses maximum or 2 courses minimum. or precast concrete cover frame seating rings
- 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.
- 115 Pipe cut to required length.
- 116 Concrete bed and surround will be required where inspection chambers are installed in soft landscaped areas subjected to heavy construction traffic.
- 117 45 degree bend.
- 118 Oblique 45 degree junction.
- 119 PVCu rainwater down pipe. (CSS)
- 120 Rest bend, for use up to two storey only.
- 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.
- 122 Short radius 90 degree bend.
- 123 Square hopper with back inlet and alloy grid or sealing plate.
- 124 Cement mortar joint/infill.
- 125 Minimum 150mm thick GEN 4 concrete surround.
- 126 Rubber plug.
- 127 Catchment bucket.
- 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.
- 129 Round or square gully grid; black cast iron to drives with a bituminous surface and alloy finish elsewhere.
- 130 Minimum 100mm thick GEN4 concrete surround.

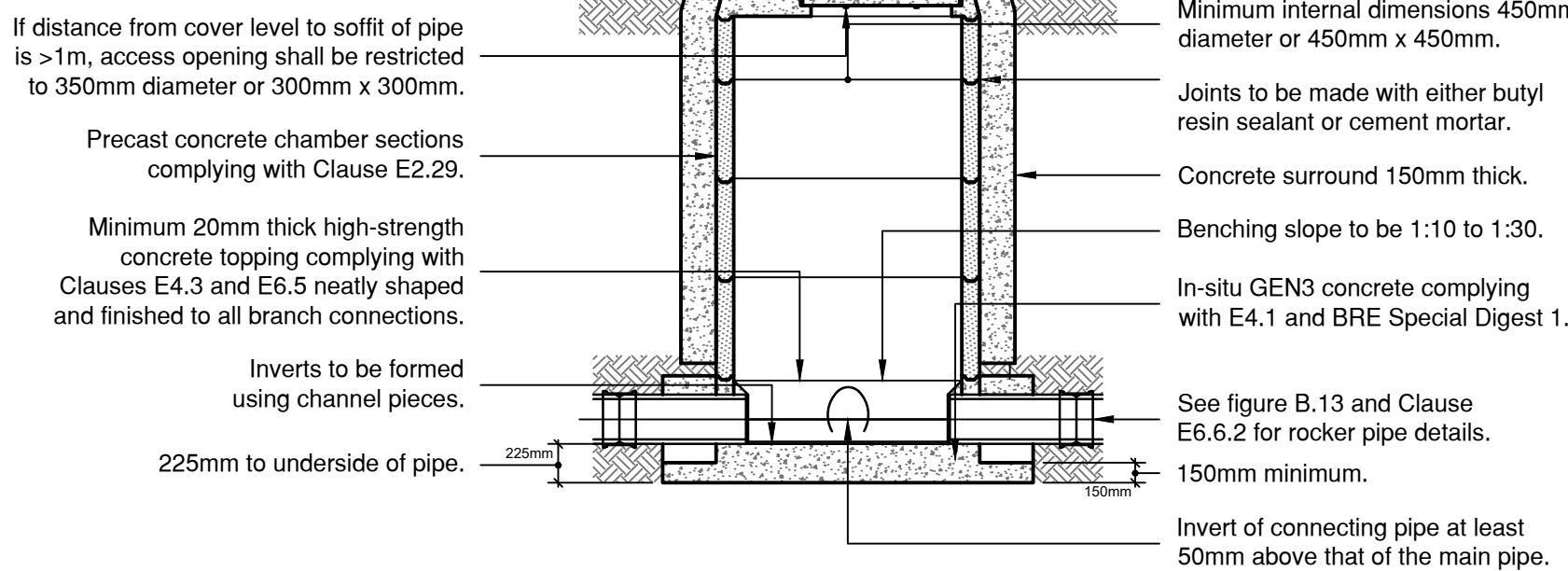


Typical Inspection Chamber Detail - Type E

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

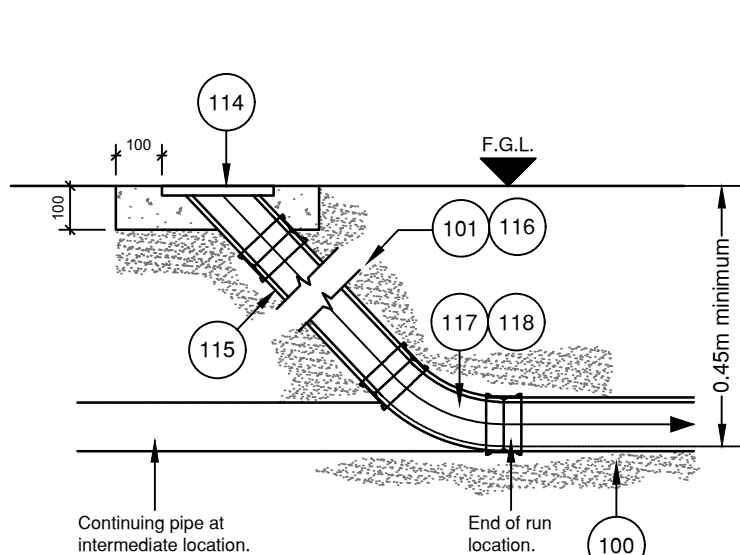


Typical Inspection Chamber Detail - Type E

Based on Figure B21 - SSG Appendix C Design and Construction Guidance v2.3.

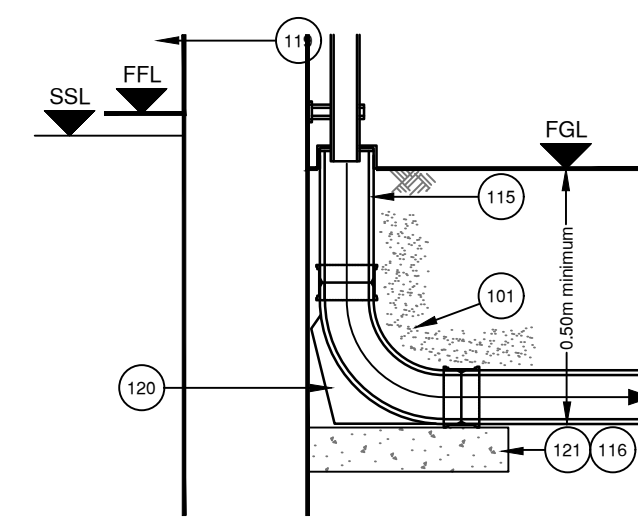
Depth from cover level to soffit of pipe up to 3m

Rigid material construction for use in areas subject to vehicle loading or landscaped areas

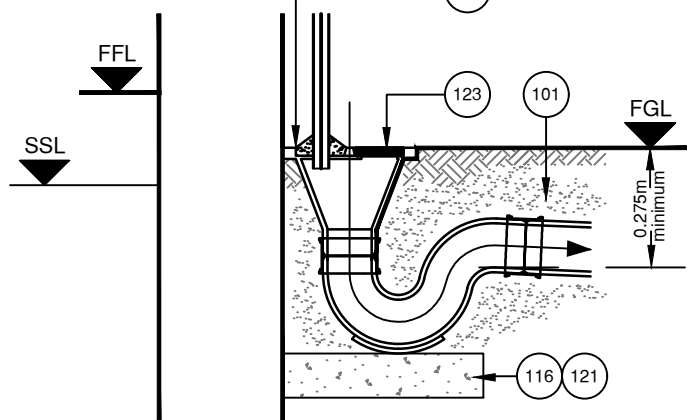


Rodding Point

100 or 150mm dia. connections.

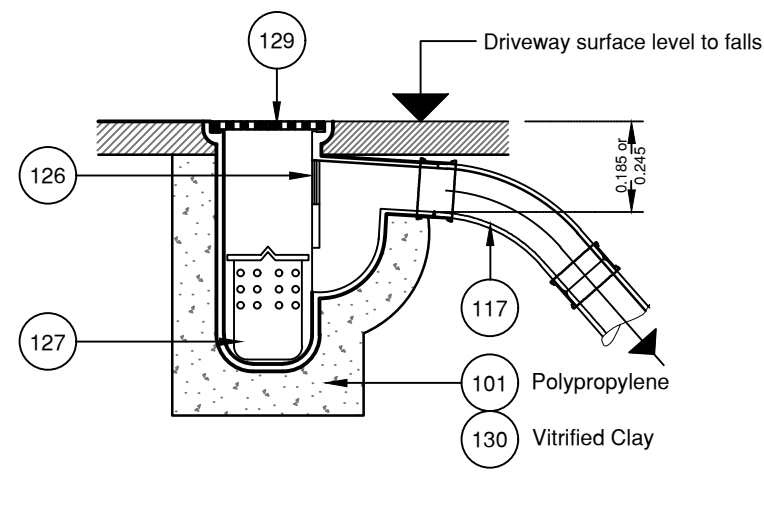


Direct Rainwater Connection



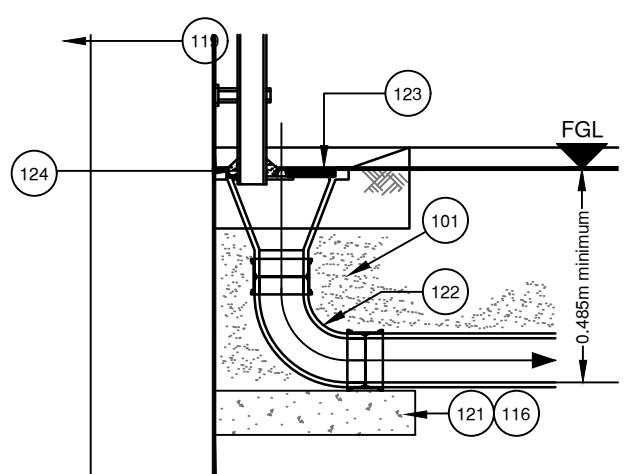
External sink waste into trapped

Back inlet gully

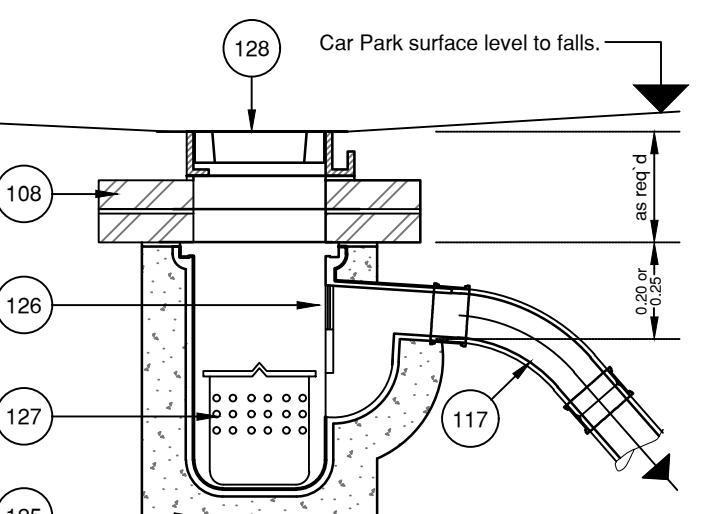


Private Drive Gully

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



Direct Rainwater Connection through Gully



Private Car Park Gully

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

NOTES

- 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).
- All dimensions are in millimetres unless stated otherwise.
- Do not scale from this drawing. Only written dimensions are to be used.
- All drainage construction to be in accordance with the Building Regulations & BS8001 & Sewerage Sector Guidance Appendix C Design and Construction Guidance v2.3 dated November 2023 and specific requirements of IWNL.
- Refer to geotechnical report for sulphate resisting class and ACEC class.
- Insitu concrete generally to be GEN 4 Designated Mix.
- Insitu reinforced concrete to be RC 35 Designated Mix only when specified.
- All insitu concrete to be thoroughly compacted.
- All covers to be stamped "FW" or "SW" as appropriate.
- For Manufacturer and specification of pipes and fittings refer to drainage layout and schedule.
- 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.
- 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 excess 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.

P01	21/10/25	Permeable paving detail added
Rev.	Date	Amendments