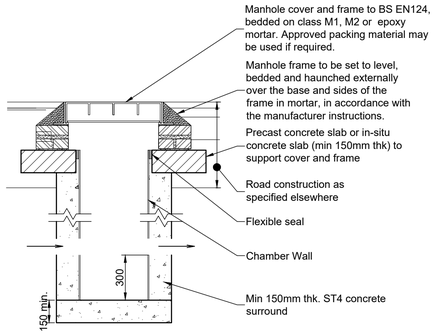
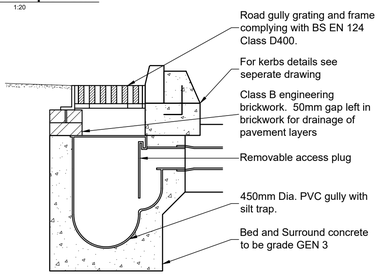
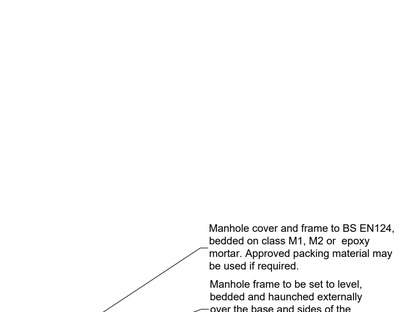


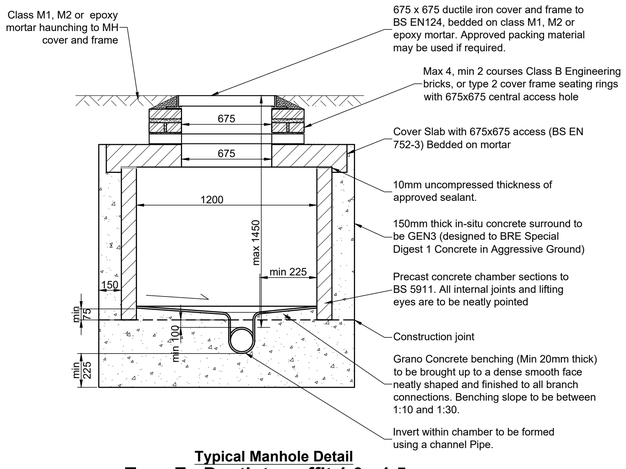
Typical Catchpit Detail
1:20



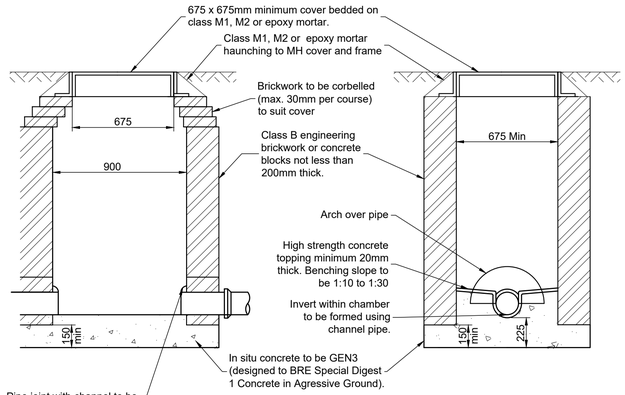
Typical PVC Gully Detail
1:20



Type C Permeable Paving Areas Providing Treatment
1:20



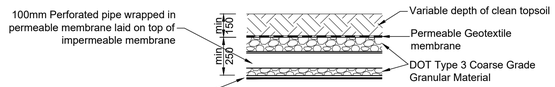
Typical Manhole Detail
Type E - Depth to soffit 1.0 - 1.5m
1:20



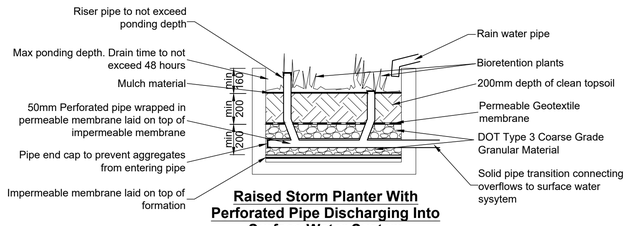
Internal dimensions of chamber normally 900 x 675mm but manhole width should be increased for pipes larger than 225mmØ to give min. 225 benching each side, with the brickwork/masonary units corbelled down to suit cover.

All pipes upto and including 525mmØ entering or leaving manholes shall have a flexible joint within 600mm of the inside face of the manhole. The next pipe shall be a 600mm long rocker pipe.

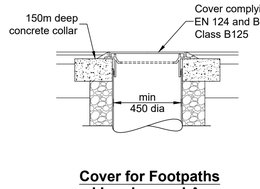
Typical Manhole Detail
Type D - Depth to soffit less than 1.0m
1:20



Rain Garden With Perforated Pipe Discharging Into Swale
1:20

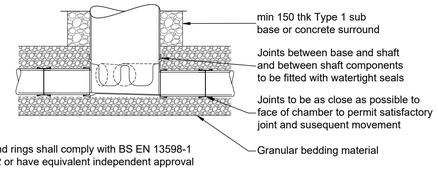


Raised Storm Planter With Perforated Pipe Discharging Into Surface Water System
1:20



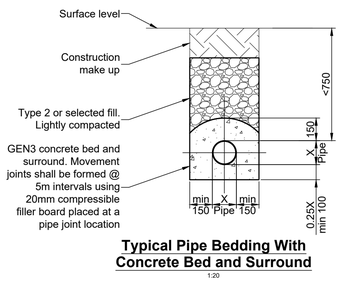
Cover for Footpaths and Landscaped Areas
1:20

Cover for Roads and Carparks
1:20



Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval

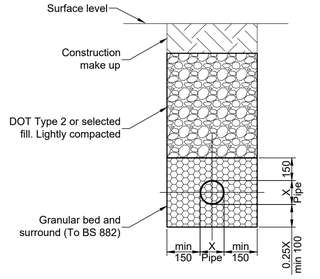
Polypropylene Inspection Chamber (PPIC) Detail
1:20



Typical Pipe Bedding With Concrete Bed and Surround
1:20

GEN3 concrete bed and surround to be used under paved areas where the depth between the finished construction level and the Barrel of the drain is less than 750mm.

To be used outside permeable paving



Typical Pipe Bedding With Granular Bed and Surround
1:20

Granular bed and surround to be used where concrete bed and surround are not required.

SAFETY,HEALTH & ENVIRONMENTAL HAZARD INFORMATION BOX.

The hazards noted below are in addition to the normal hazards and risks faced by a competent contractor when dealing with the types of works detailed on this drawing.

CONSTRUCTION RISKS:
- Deep Trenches
- Unforeseen Services
- Leptospirosis

DEMOLITION RISKS:
- Leptospirosis

Notes:

1. DO NOT SCALE FROM THIS DRAWING.
2. All dimensions are in millimetres Unless Noted Otherwise (u.n.o.)
3. Drawing is to be read in conjunction with all relevant architect's drawings. Any inconsistencies should be reported to PRP immediately.
4. All levels and dimensions are to be checked on site before any work commences.
5. The Health and Safety at Work act is to be complied with at all times. Attention is drawn to the wearing of hard hats, reflectorised clothing, and the use of any other required safety equipment.

Drainage:

1. Invert levels of existing manholes to be checked on site prior to commencing any drainage works.
2. For positions of all rainwater pipes & foul outlets refer to Architect's drawings.
3. All joints between precast manhole components shall have a minimum uncompressed thickness of 10mm of proprietary bitumen or resin mastic sealant.
4. Storm & foul branch connections are to be laid at gradients of between 1:10 & 1:80
5. All in-situ concrete shall be minimum grade GEN3.
6. Precast concrete cover & reducing slabs to be heavy duty reinforced concrete to BS 5911.
7. Rising mains shall be black MDPE SDR11 as WI 4-32-03 & joints & fittings to be in accordance with WI 4-32-04. Other approved pipe materials to be in accordance with their relevant BS.
8. Manhole covers & frames shall be manufactured in cast iron or ductile iron & shall comply with requirements of BS EN 124 & shall be kite marked or equivalent.
9. Where there is no intermediate manhole between the start of a surface water pipe run and the soakaway the gradient of the run shall be not less than 1 : 60.
10. All completed work shall be suitably protected from damage by construction work. Damaged drainage will not be accepted. It is recommended that no heavy loading or underground work is permitted above or near unprotected drainage, and that dumpers, trucks, fork lifts or other heavy vehicles are not driven along or near pipe runs.

Rev	Date	Description	By / Chk
P3	07/09/2023	Storm planter detail added	NN / DE
P2	17/02/2023	Raingarden detail added	NN / DE
P1	16/11/2022	Issued for comments	NN / DE

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Client: Cartwright Homes Ltd.

Architect: Hayward Architects Ltd.

Project: Proposed Housing
Woodlands Lane, Bedworth
CV12 0NN

Title: Drainage Construction Details

Status: **PRELIMINARY**

Engineer:	NN	Date:	June 2022
Drawn:	NN	Scales @ A1:	
Checked:	DE	As Shown	
Project No:	82162	Drg No: 103	Rev: P3