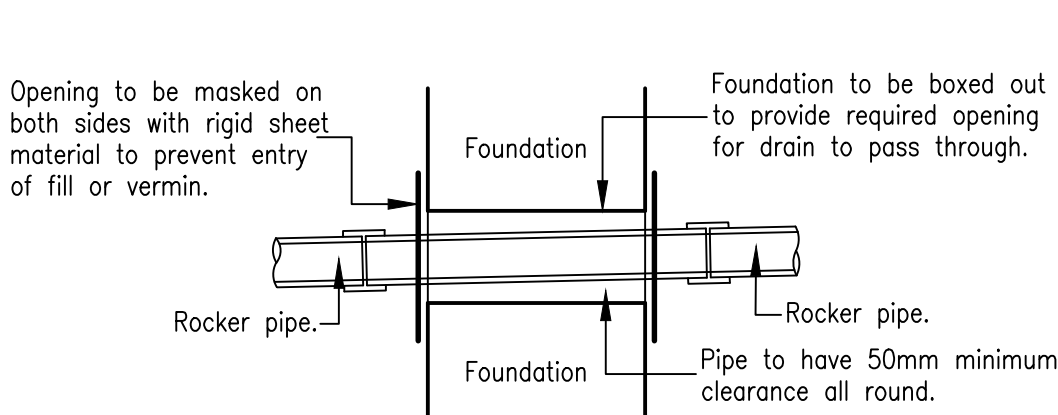
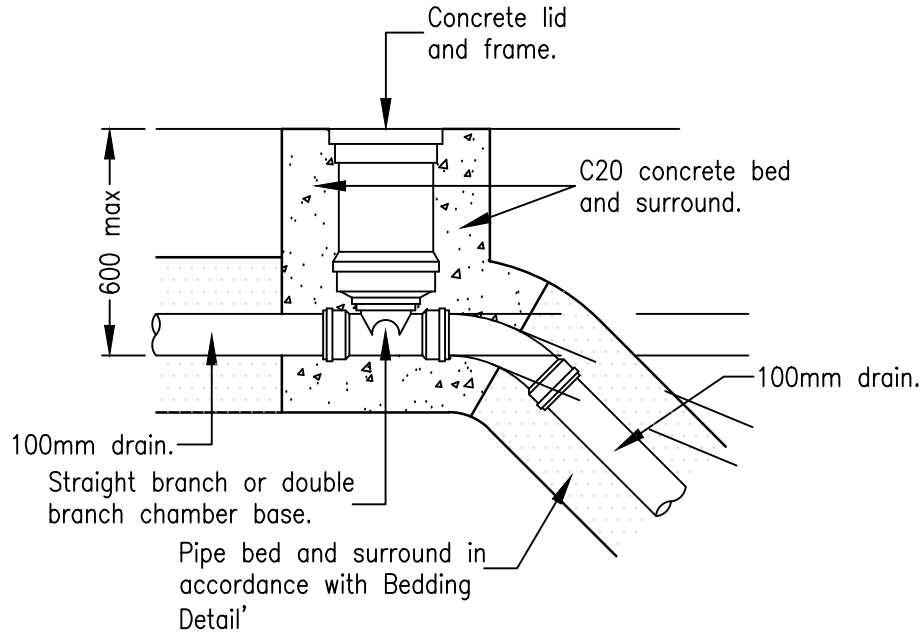
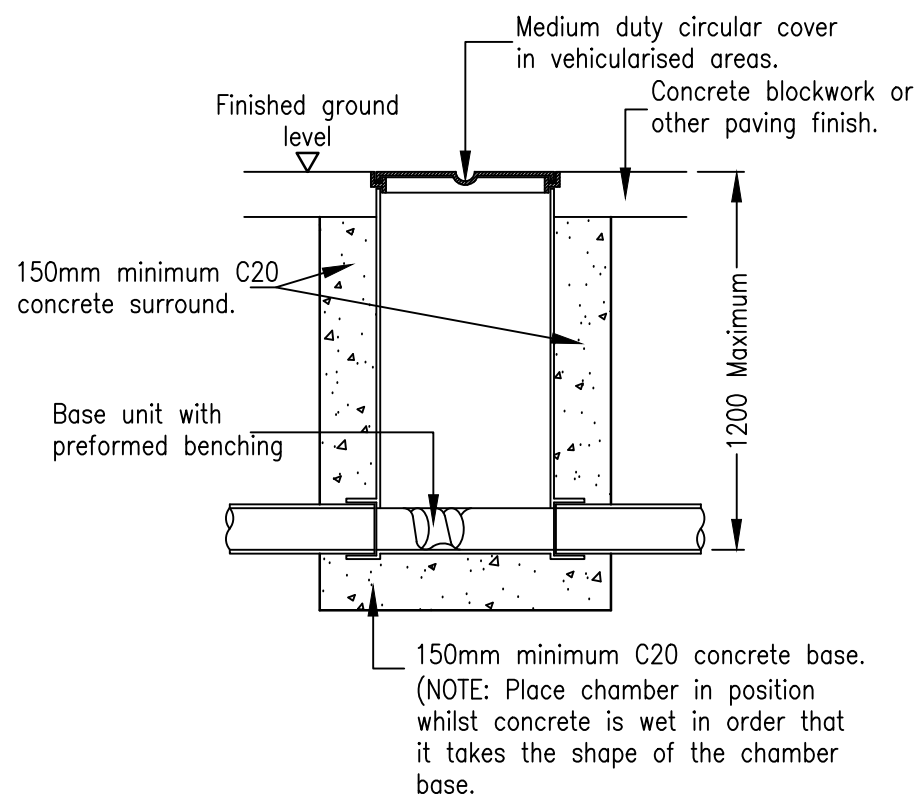




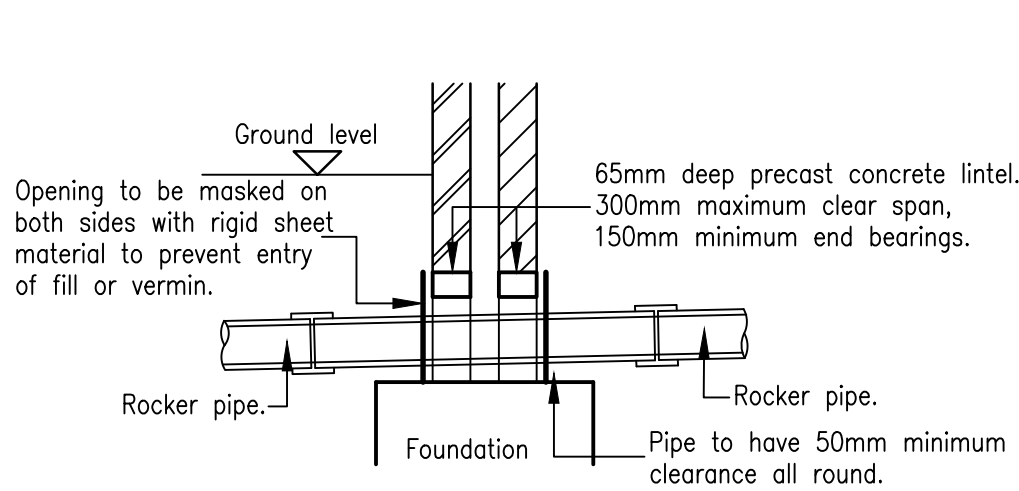
Detail Where Drain Passes Through Foundation
1:20



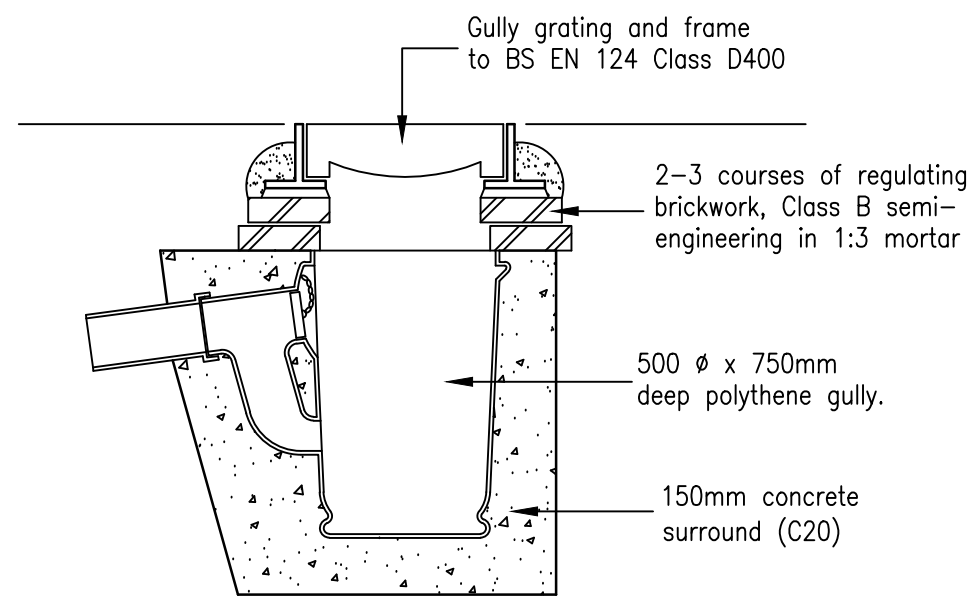
250 Dia Shallow Inspection Chamber Detail
1:20



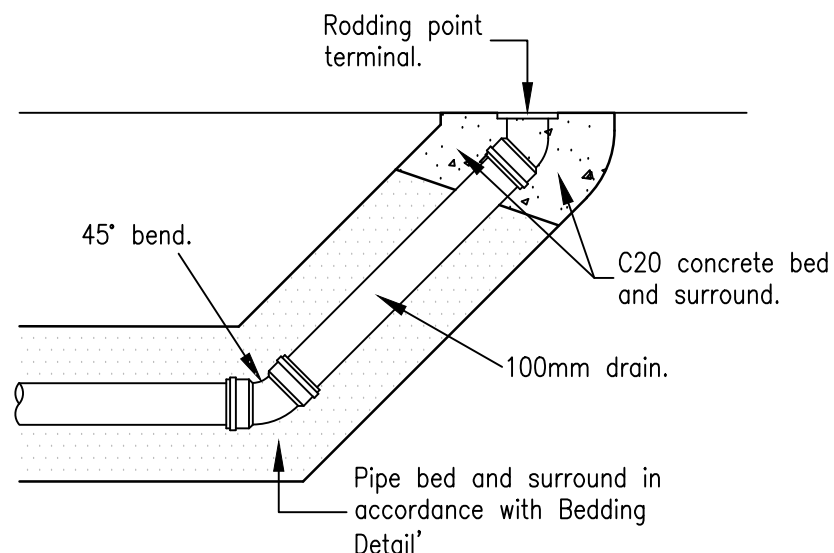
450 Dia Plastic Inspection Chamber Detail For Use in Vehicular Areas
1:20



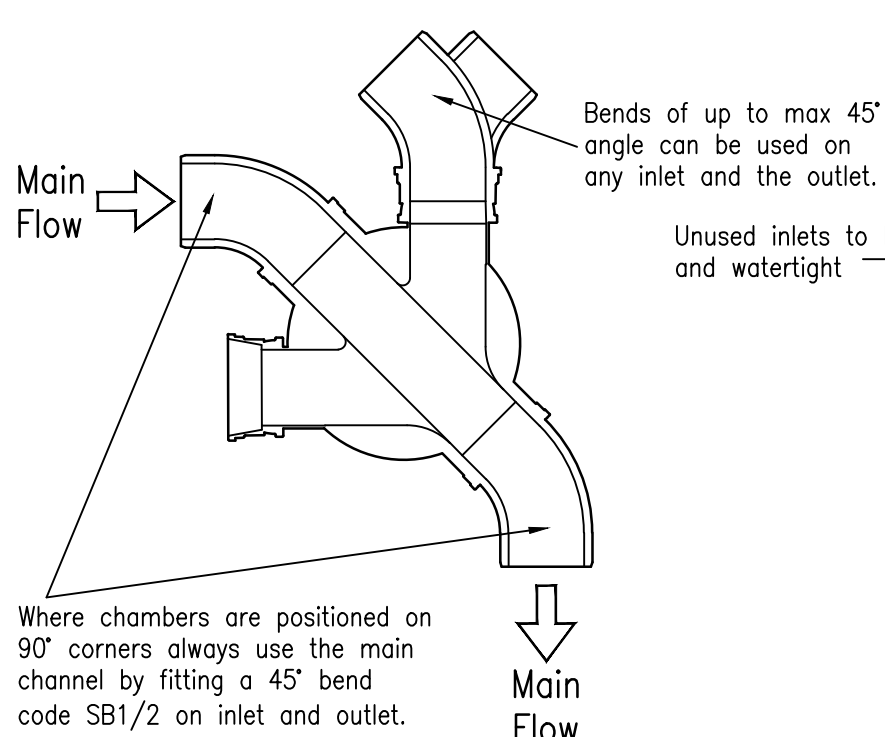
Detail Where Drain Passes Through Wall
1:20



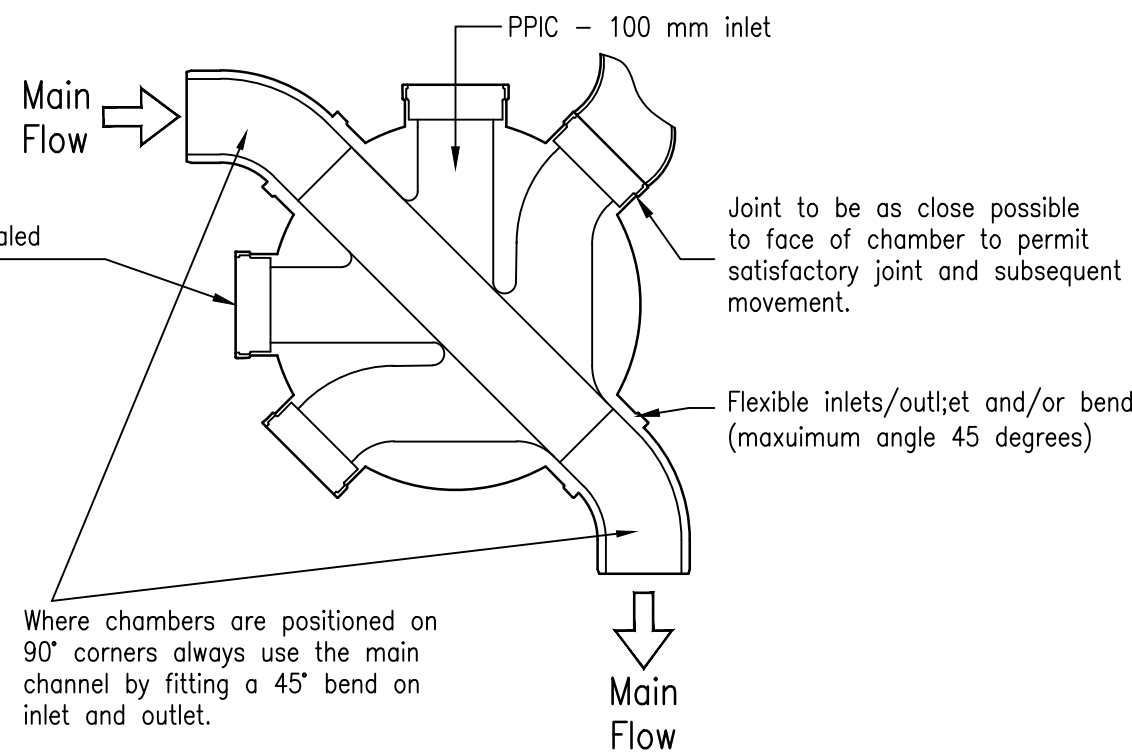
Gully Detail
1:20



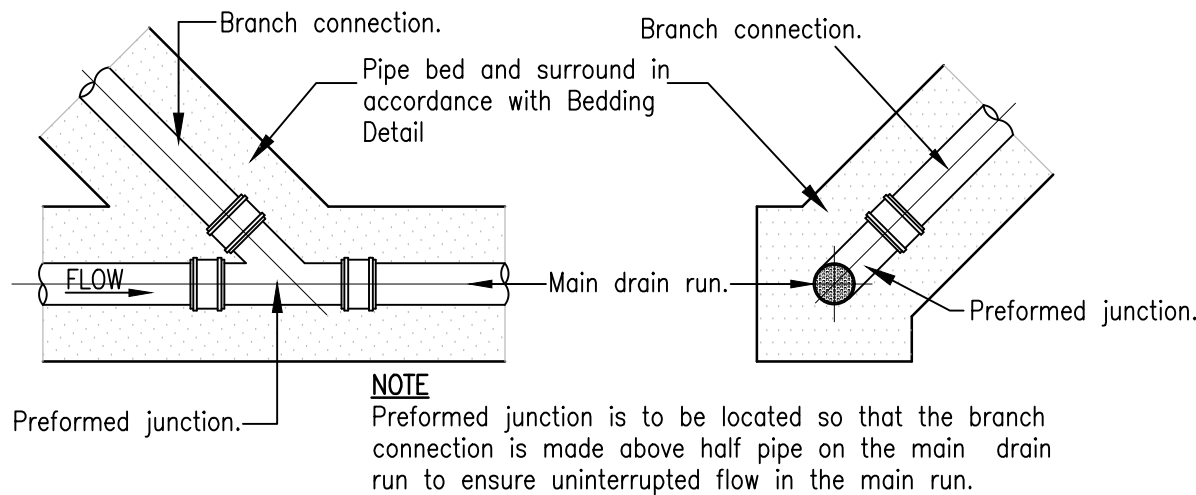
Rodding Eye Detail
1:20



Shallow Inspection Chamber Internal Plan View
1:20



Internal Plan View
NTS

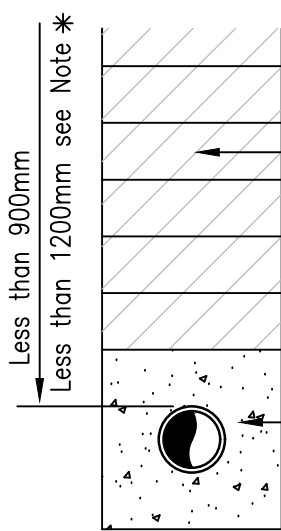


Plan Section
Preformed Junction Detail
1:20

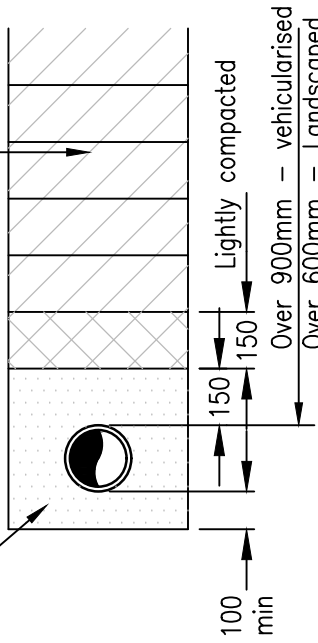
Granular materials for Pipe Bedding
TO BE EITHER
Nominal single size aggregate complying with table 4 of BS 882:1992 as follows:
DN 100 10mm size
DN 150 10mm or 14mm size
DN 200 to DN300 10mm, 14mm or 20mm size
DN 375 to 525 14mm or 20mm size
DN 600 and above 14mm or 20mm or 40mm size
OR
Graded aggregate complying with table 4 of BS 682:1992 as follows:
DN 100 14mm to 5mm
DN 150 to DN 525 20mm to 5mm or 14mm to 5mm
DN 600 and above 40m to 5mm or 20mm to 5mm or 14mm to 5mm

NOTE: *
Where PVCu pipes larger than 300mm diameter are used in vehicularised areas, the concrete protection detail shall be installed up to 1200mm cover.

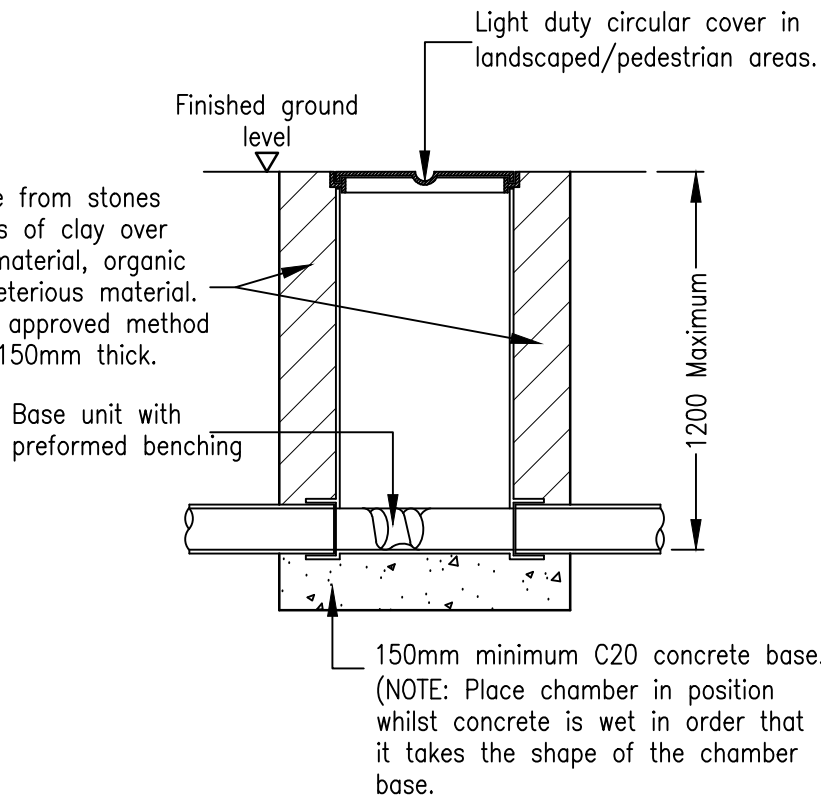
NOTE:
Concrete protection detailed to be installed where pipes are near foundations (see separate detail) and as above in accordance with Part H of Building Regs., clause 2.45



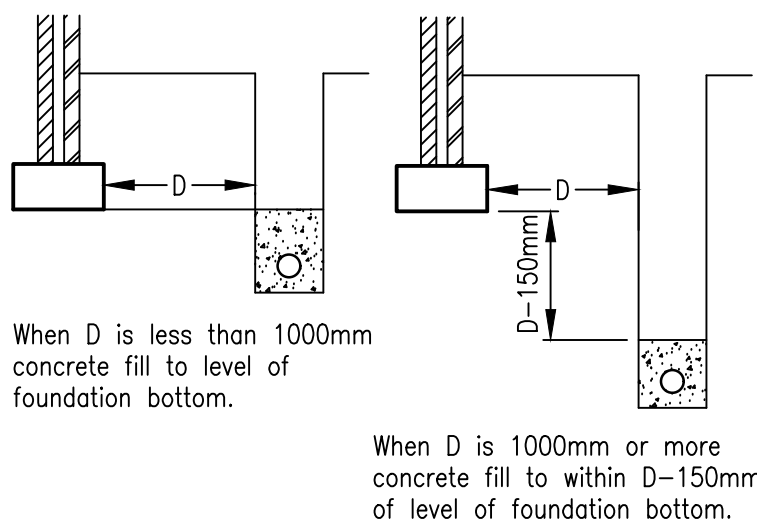
LANDSCAPED AREAS
Selected fill material free from stones larger than 40mm, lumps of clay over 100mm, timber, frozen material, organic matter and all other deleterious material. To be compacted by an approved method in layers not exceeding 150mm thick.
VEHICULARISED AREAS
Well graded crushed concrete free from steel, timber and all other deleterious material. To be compacted by an approved method in layers not exceeding 150mm thick.
150mm minimum C20 concrete bed and surround with 18mm flexcell (or similar approved) expansion joint to be located at all pipe joints. Where pipe is cased in concrete.
Imported granular bed and surround. See table.



Selected fill material free from stones larger than 40mm, lumps of clay over 100mm, timber, frozen material, organic matter and all other deleterious material. To be compacted by an approved method in layers not exceeding 150mm thick.



450 Dia Plastic Inspection Chamber Detail For Use in Landscaped/Pedestrian Areas
1:20



Concreting of Drains Laid Near Foundations

1. DO NOT SCALE FROM THIS DRAWING.
2. In case of any discrepancies in drawings, details or bills, refer to engineers for clarification: unilateral decisions by the Contractor will not be accepted.
3. This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
4. The Contractor is advised that all design drawings and information are to be read concurrently and any discrepancies or omissions reported directly to Chiltern Design Ltd
5. This drawing is based upon the survey by ? reference ? dated ? provided in digital format.
6. Levels are based on OSBM located on? value?
7. The grid is of local origin.
8. The Contractor must check the levels of all existing drainage outfalls prior to construction to ensure the proposed drainage design may be achieved.

9. Sulphates exist on site, therefore all concrete to be in accordance with Class ____ of BRE Special Digest 1.
10. All external building dimensions are to be checked against the Architects drawings prior to any construction commencing.
11. All adoptable highway works to be in accordance with the Local Authorities Specifications.
12. Formation to road/hardstanding to be proof rolled and any soft spots in subgrade of road/Hardstanding areas are to be excavated and replaced with well compacted sub-base or free draining granular material to Department of Transport Specification for Highway Works Part 2' Table 6/1 Class 1 (General Granular Fill) and compacted in accordance with Table 6/4.
13. This drawing is not to be redistributed or reproduced without the permission of Chiltern Design Ltd or its clients.

- PRIVATE DRAINAGE NOTES**
1. All private drainage works to be in accordance with Part H of the current Building Regulations and BS EN 752.
 2. All private drainage to be either:-
PVCu to BS EN 1401-1 (BS 4660).
OR
Vitrified Clayware to BS EN 295.
With the exception of adoptable laterals (e.g. between demarcation chambers and Public sewers) whereby all pipework materials and installation/bedding are to be in accordance with Sewers For Adoption 6th Edition or Interim guidance documentation subject to agreement with the sewerage undertaker.
 3. RWP lateral connections are to be sized to suit RWP size as designed by specialist.
Gully laterals to be sized to suit gully outlets.
All other pipes are 110mm diameter unless noted otherwise.
 4. Foundations adjacent to drain runs are to be constructed so that the difference between the formation level of the foundation and invert level of any drain must not exceed the horizontal distance minus 500mm.

5. Where foul and surface water sewers cross and there is less than 100mm clearance short lengths of both runs are to be encased in concrete.
6. All RWP, SVP and foul drainage positions are to be confirmed by the Architect.
7. Where RWPs are connected direct to drain, rodding access plates are to be provided.
8. For pipe bedding and backfill details refer to detail.

Notes:

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5. This drawing is based upon the survey by ? reference ? dated ? provided in digital format.
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7. The grid is of local origin.
8. The Contractor must check the levels of all existing drainage outfalls prior to construction to ensure the proposed drainage design may be achieved.
9. Sulphates exist on site, therefore all concrete to be in accordance with Class ____ of BRE Special Digest 1.
10. All external building dimensions are to be checked against the Architects drawings prior to any construction commencing.
11. All adoptable highway works to be in accordance with the Local Authorities Specifications.
12. Formation to road/hardstanding to be proof rolled and any soft spots in subgrade of road/Hardstanding areas are to be excavated and replaced with well compacted sub-base or free draining granular material to Department of Transport Specification for Highway Works Part 2' Table 6/1 Class 1 (General Granular Fill) and compacted in accordance with Table 6/4.
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Drawing Status
PRELIMINARY

Client
BLAKENEY
ESTATES LTD

Project Title
**BREACHWOOD GREEN
HERTFORDSHIRE**

Drawing Title
**PRIVATE DRAINAGE
DETAILS 1 of 2**

Date	AUG24	Checked DO	Checked ENG	Sheet Size
Drawn	MS	MS	MS	A1
Scale	1:20@A1			

Project No.	Drawing No.	Rev.
1050	1104	P01