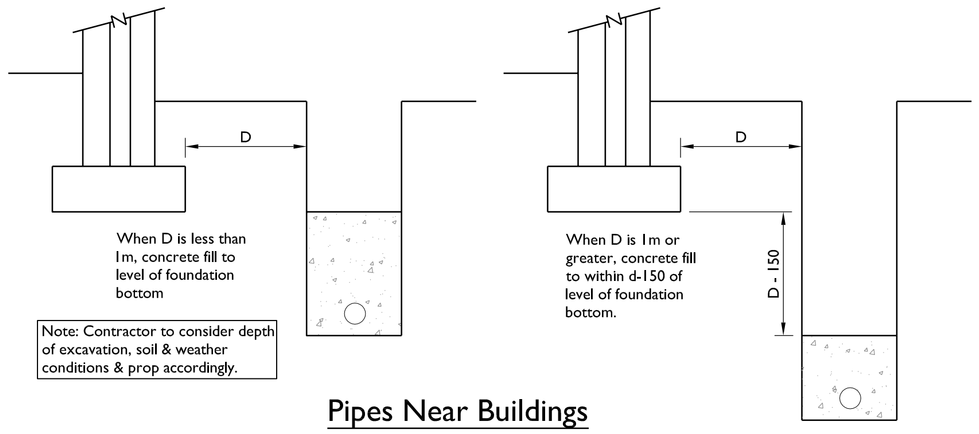
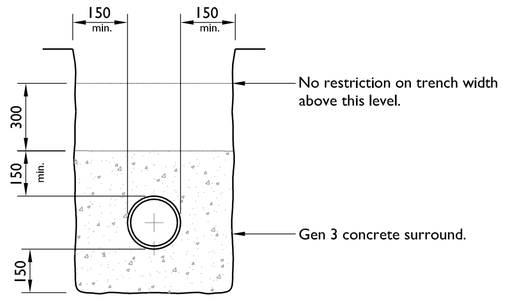


Pipes Near Buildings

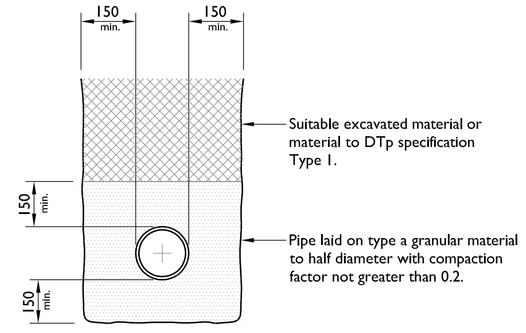
Scale NTS



Pipe Bedding (Class Z)

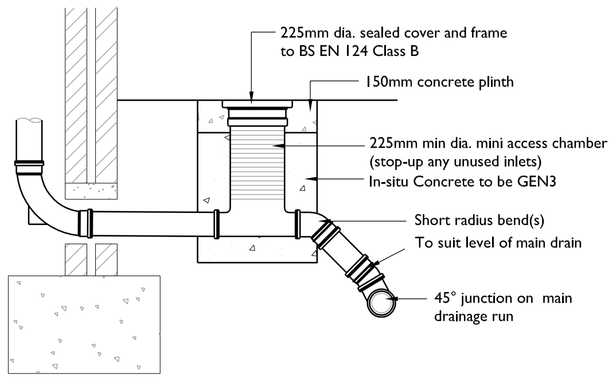
(Flexible joints at not greater than 8m centres to coincide with outer face of pipe socket)

Scale NTS



Pipe Bedding (Class S)

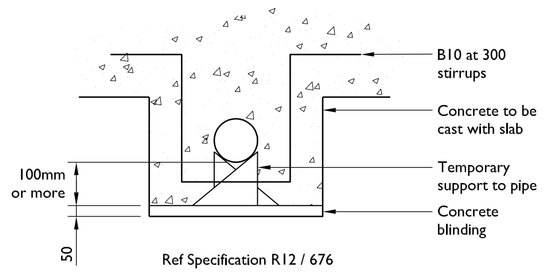
Scale NTS



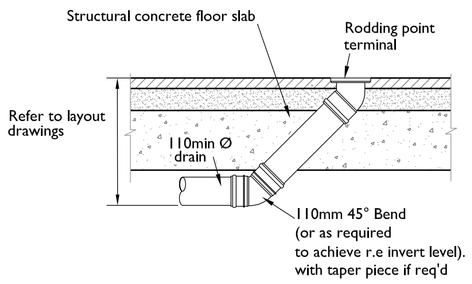
Typical 250Ø PPIC Inspection Chamber Detail

FOR USE IN SOFT AREAS & FOOTPATHS ONLY

For Use Where Pipes Run Close To The Base Of The Slab

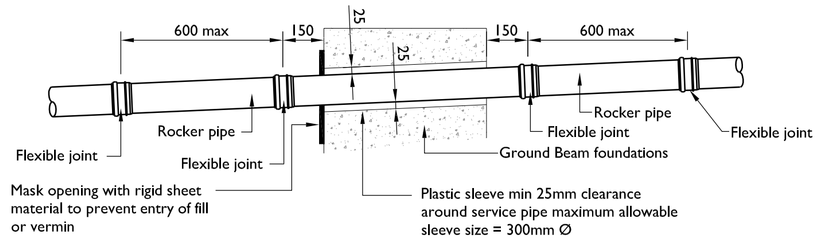


Class Y Concrete Surround For Shallow Pipelines Under Buildings



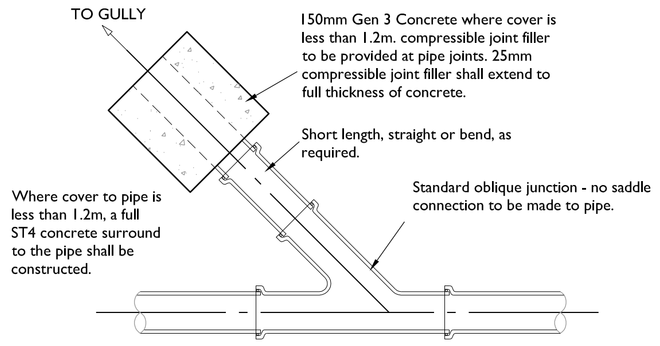
Rodding Eye

SCALE 1:20



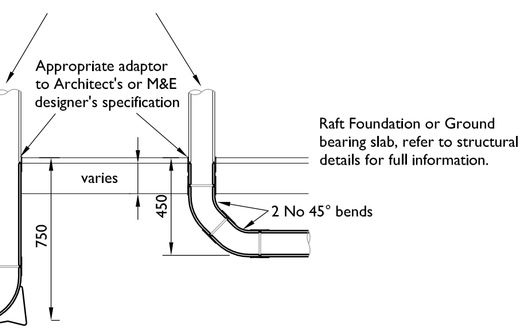
Pipes Passing Through Foundations

Scale 1:20



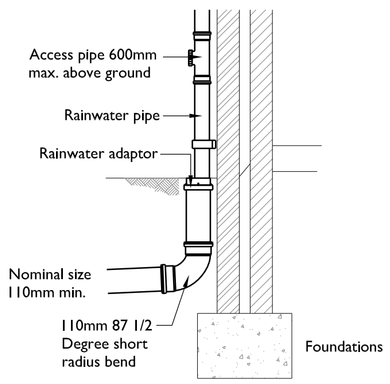
Gully Connection To New Pipe

Scale 1:20



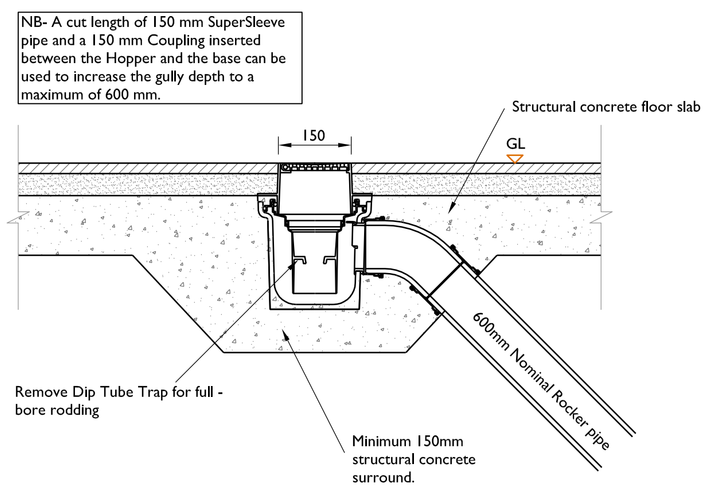
Stub Stack, Soil Vent Pipe & Internal Rainwater Pipe Detail

Scale 1:20



Typical External Rainwater Pipe to Drain

Scale 1:20



Trapped Gully

Scale NTS

Notes

1. This drawing is to be read in conjunction with the relevant specification, and all other related drawings issued by the engineer and architect.
2. Do not scale from this drawing. work from figured dimensions only.
3. All dimensions are in millimetres unless noted otherwise
4. All dimensions, levels and survey grid co-ordinates are to be checked on site and the engineer notified immediately of any discrepancies prior to the commencement of the works.
5. No deviation from the details shown on this drawing is permitted without prior permission from the engineer.
6. The contractor shall be responsible for obtaining all necessary approvals (if required) from the local water authority prior to commencing works i.e. road closure notices.
7. Drains to be constructed using flexibly jointed vitrified clay pipes to BS 65:1991 "super strength" specification and BS EN 295-1:1995 (hepworth supersleve or similar approved), bedded and back filled in accordance with the manufacturer's instructions. all tested in accordance with BS EN 1610:1998.
8. Drainage laid beneath roads and car parks with less than 1200mm of cover shall be encased in 150mm concrete with the provision for movement at joints (pipe bedding class Z). All other drainage with less than 900mm cover shall be similarly treated. All other drainage shall have pipe bedding class S.
9. Private foul water and surface water drainage is to be constructed in accordance with the building regulations part H (2002), BS EN 12056-2:2002 (inside buildings), BS EN 752:2008 (outside buildings) and all relevant agreement certificates.
10. Back filling of drain trenches adjacent to dwellings of other structures to be in accordance with the building regulations part H1; diagram 8.
11. Drains in areas of made ground to be constructed by first making up the area to approximately finished level and then excavate through the fill material into undisturbed ground. the drain trench is then to be back filled to formation level using suitable granular fill material well compacted in layers not exceeding 225mm.
12. For minimum dimensions of access fittings, inspection chambers and manholes refer to table 11 and 12 of the building regulations part H1. for further details refer to manhole schedules and detail drawings. maximum spacing requirements for access points to be in accordance with table 13 of the building regulations part H1.
13. All branch drain runs from soil vent pipes, stub stacks, air admittance valves and floor gullies to be laid at a minimum gradient of 1:40 and be 100mm diameter unless otherwise stated. refer to table 6 of the building regulations part h1 for clarification. for rain water pipes from roofs then the gradient for the below ground connection should be a laid at a minimum gradient of 1:100 and be 100mm diameter unless otherwise stated. refer to paragraph 3.15 of the building regulations part H3.
14. All covers in private areas for pedestrians and inaccessible to wheeled vehicles should be group 1 class A15 or class 2 B125, and in vehicular areas group 3 class C250 or group 4 class D400. Refer to manhole schedule.
15. Gullies situated in areas accessible to wheel vehicles to be of suitable construction (insitu concrete be and surround)- Hepworth or similar approved.
16. Existing sewers which are or will be disused/abandoned are to be traced, and any drain which shows signs of flow should be investigated fully to establish its origin and authenticity, and reported to the engineer prior to undertaking any associated works. Any existing drains/sewers to be disused/abandoned to be stopped up at the appropriate connection point using type ST2 concrete.
17. For setting-out dimensions of SVP's, RWP's etc, refer to Architect's or Mechanical Engineer's drawings. Positions shown are indicative and subject to final design. Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers.
18. Contractor to scan for underground services prior to any excavation.

Rev	Date	Description	Drn	App
T1	02.07.2014	Tender Issue	GPD	RN

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Project
Fleet House

Drawing Title
Drainage Details
Sheet 1 of 2

Drawing Status
Tender

Drawn by	Checked by	Sheet size	Scale
GP-D	GP-D	A1	1:20

Drawing Number
J1264-Ex-100

Revision
T1