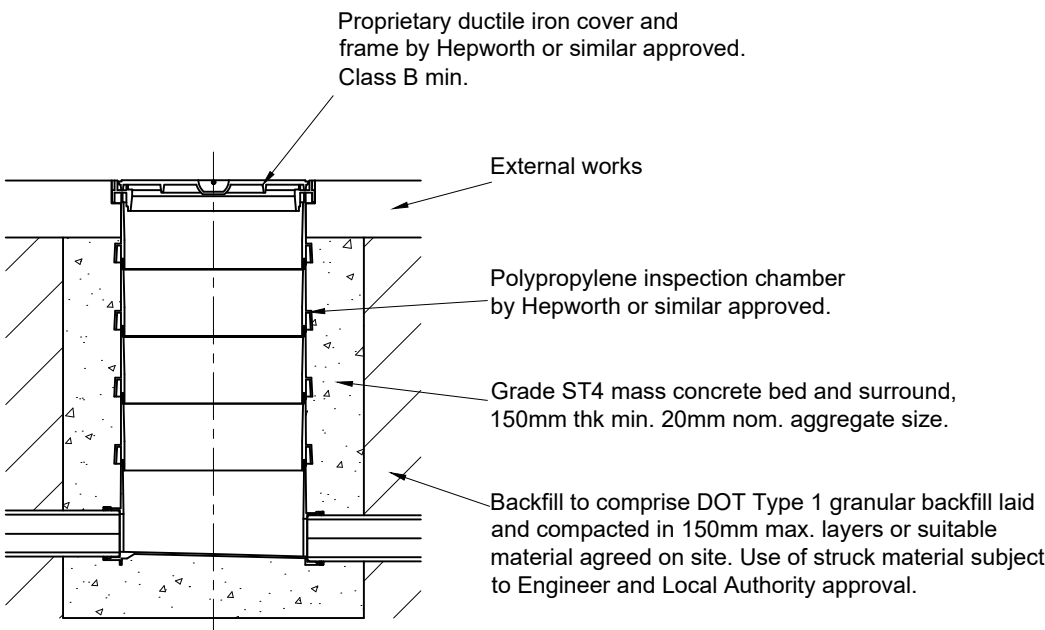
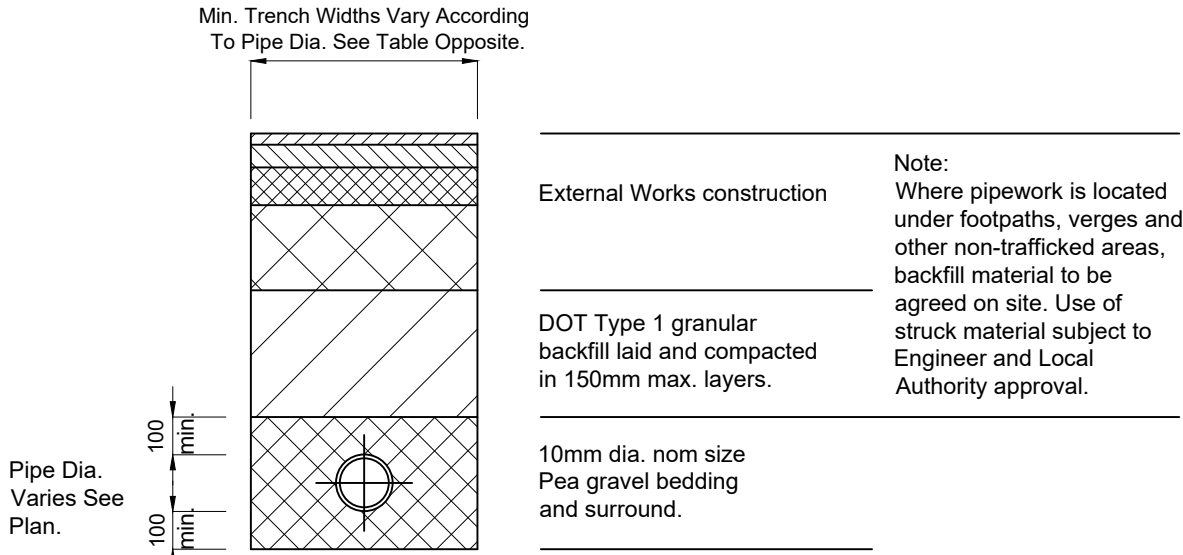


External Works Land Drainage General Arrangement Plan - 1:200



Typical PPIC Detail - 1:20

Note:
Maximum depth for this type of Inspection Chamber 1.2m.
PPIC Only suitable for pipe diameters upto and including 150mm.
Where chambers of this type are also referenced as catchpit on the general arrangement plan, a pre-formed base unit with a built in sump / catchpit 150mm dp min. is to be provided.



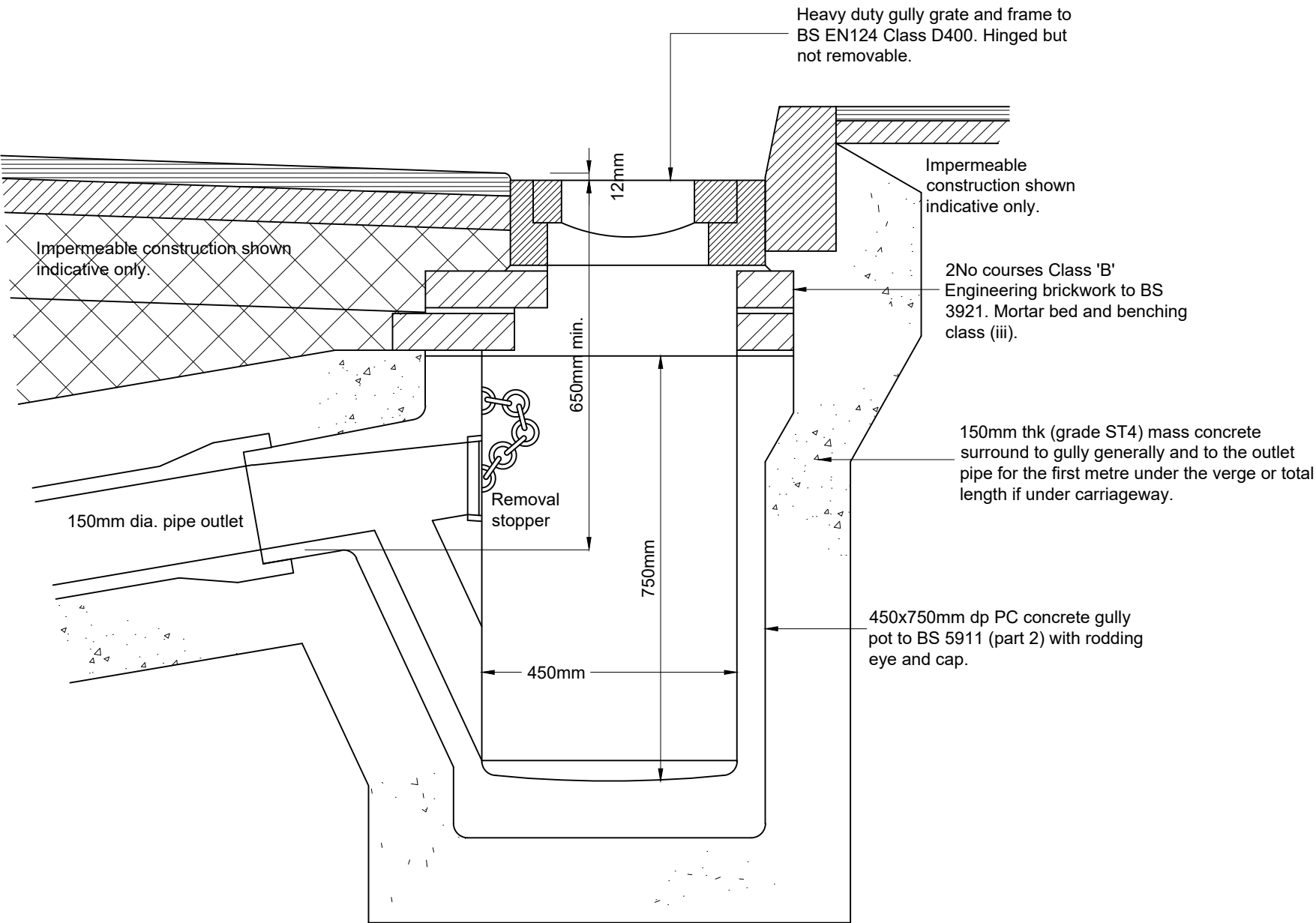
Pipe Bedding Detail Type S

Note:
RIGID PIPEWORK
CLAYWARE 100 - 600mm Dia. & CONCRETE 300 - 600mm Dia.:
Applicable where pipework has more than 1200mm cover under trafficked areas or more than 600mm under non-trafficked areas.

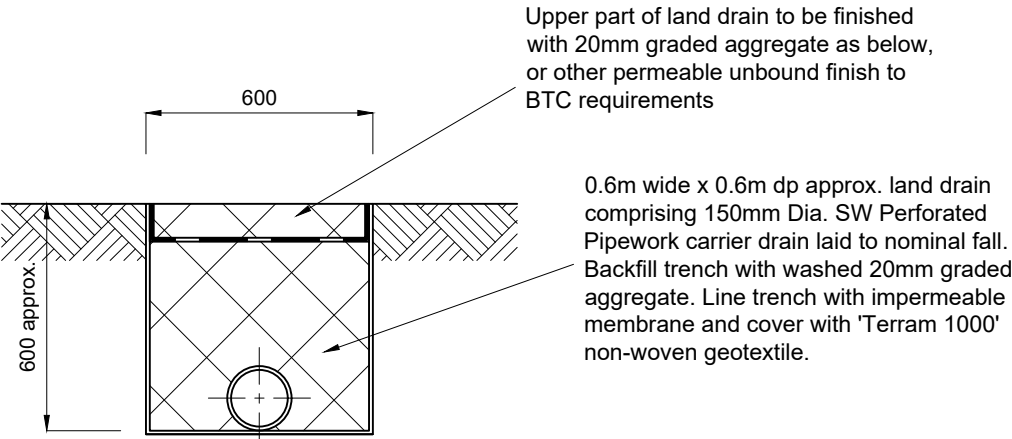
FLEXIBLE PIPEWORK
PLASTICS (nominal ring stiffness SN4):
Applicable where pipework has more than 1200mm cover under trafficked areas or more than 600mm under non-trafficked areas.

TRENCH WIDTHS	
Pipe Dia (mm)	Min. Trench Width (mm)
100	550
150	600
225	700
300	750
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
975	2000
1050	2300
1200	2300
Over 1200	Pipe Dia. + 1000

Note:
No Mechanical compaction techniques to be used within 300mm of the crown of all pipework.
See Structural Engineers details for pipework laid under buildings / through foundations etc.



Typical Road Gully Detail - 1:10



Land Drain Detail - 1:20

Do not scale

NOTES

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Dimensions must not be scaled from this drawing. The Contractor is to check and verify all building and site dimensions before work is put in hand.

This drawing must be read and checked against any Architects or other specialists drawings.

The Contractor is to check and verify with all Statutory Authorities and the Employer the location and condition of any underground or overhead services or confirm that none exist prior to work commencing on site.

The Contractor shall comply with enactments regulations and working rules relating to safety health and welfare of workpeople.

DRAINAGE NOTES:

1. ALL DISCREPANCIES NOTED ON SITE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
2. All dimensions in millimeters and levels in meters unless noted otherwise.
3. All work is to be carried out in accordance with the current British Standards, Codes of Practice and Building Regulations.
4. The exact position, level, size and use of existing sewers to be confirmed on site. Any discrepancies to be reported to the Engineer PRIOR TO COMMENCEMENT OF WORKS.
5. All uncovered and shallow pipework to be protected against construction traffic as part of the Contractors temporary works requirements.
6. All connections to trapped road gullies and channels shall be 150mm nominal bore pipework min where not noted on the plan. No pipe work to be downsized in the direction of flow.
7. All un-noted buried pipework to be 150mm dia. unless subject to other notes or noted otherwise.
8. All buried pipework to be U-PVC type in accordance with WIs 4-35-01 unless noted otherwise.
9. All pipework entering and exiting manholes to be connected with pipe soffits level unless noted otherwise.
10. Pre-formed channels to be used at all manholes.
11. Pipe bends to be provided to suit direction of flow.
12. All manhole covers and frames to be Ductile Iron Grade B125 min.
13. First flexible joint in pipes adjacent to all manholes and inspection chambers to be 600mm max. from inside face of manhole / inspection chamber, connecting to rocker pipe. For pipe diameters 150mm - 450mm the rocker pipe length shall be 500mm - 750mm and for pipe diameters 451mm - 675mm the rocker pipe length shall be 750mm - 1000mm.
14. All soft spots encountered in the trench formation to be removed and replaced with graded granular material unless instructed otherwise.
15. All buried concrete must cater for class DS1 sulphates conditions and AC1 aggressive chemical environment for concrete in accordance with BRE special digest 1.
16. The design of any temporary works required shall be the responsibility of the Contractor.
17. All proposed drainage to be constructed adjacent to new and proposed tree planting to be adequately protected against root activity using root barriers in accordance with the chosen manufacturer's recommendations.
18. Contractor to include for the modification of all existing buried services affected by the works. Note that levels across the site will change as a result of the proposals affecting covers and depths to services which may need to be raised or lowered.

29.02.24	Preliminary Issue	AL	-	P01
Date	Description	Drawn	Chkd	Rev
Drawing Status		<div>Preliminary</div>		
[21 Stoney Street, Lace Market, Nottingham, NG1 1LP Tel: 01159 417145 Fax: 01159 484445		[Courtwood House, Silver Street Head, Sheffield, S1 2DD Tel: 01143 211900 Fax: 01159 484445]		
		[Lincoln Office Tel: 01522 245020 Fax: 01159 484445]		



Project	Lubblethorpe Bridle Road Braunstone			
Title	Proposed Land Drain GA Plan			
Orig Scale	Noted	Drawn AL	Checked -	CHG job No. J522
Drawing Number J522-CHG-Z0-00-DR-C-5020			Revision P01	