

be confirmed by Engineer.

Typical 150

300 min

A393 mesh 50mm cover from top of slab.

ST4 concrete slab with sulphate resisting cement.

300 min

D

D/4

150 min

D + 300 min

D + 600 max

Concrete Slab Protection
For pipes less than 600mm cover

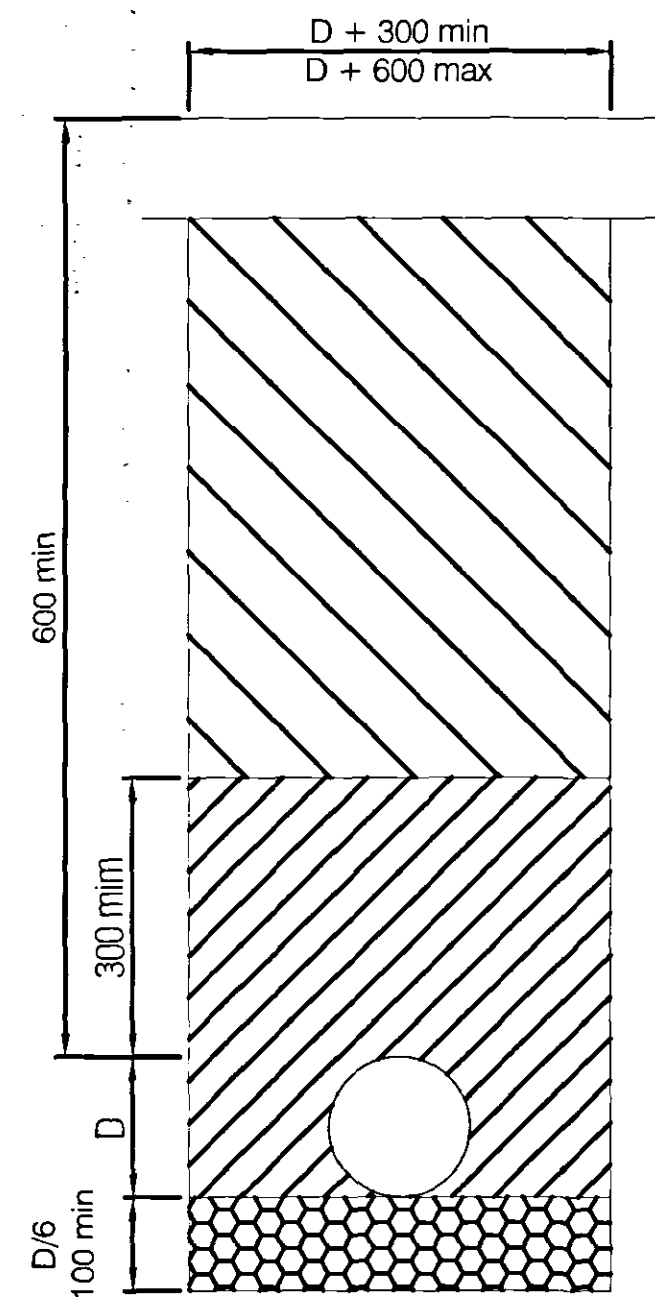
Loading	Cover
Fields / gardens	0.6 m
Light traffic/parking areas	0.9 m
Heavy Traffic areas	1.2 m

Nominal pipe diameter [mm]	Aggregate size [mm]	
	Graded	Single sized
100	-	10
Over 100 to 150	14/5	10, 14
Over 150 to 300	14/5, 20/5	10, 14, 20
Over 300 to 550		14, 20
Over 550	14/5, 20/5, 40/5	14, 20, 40

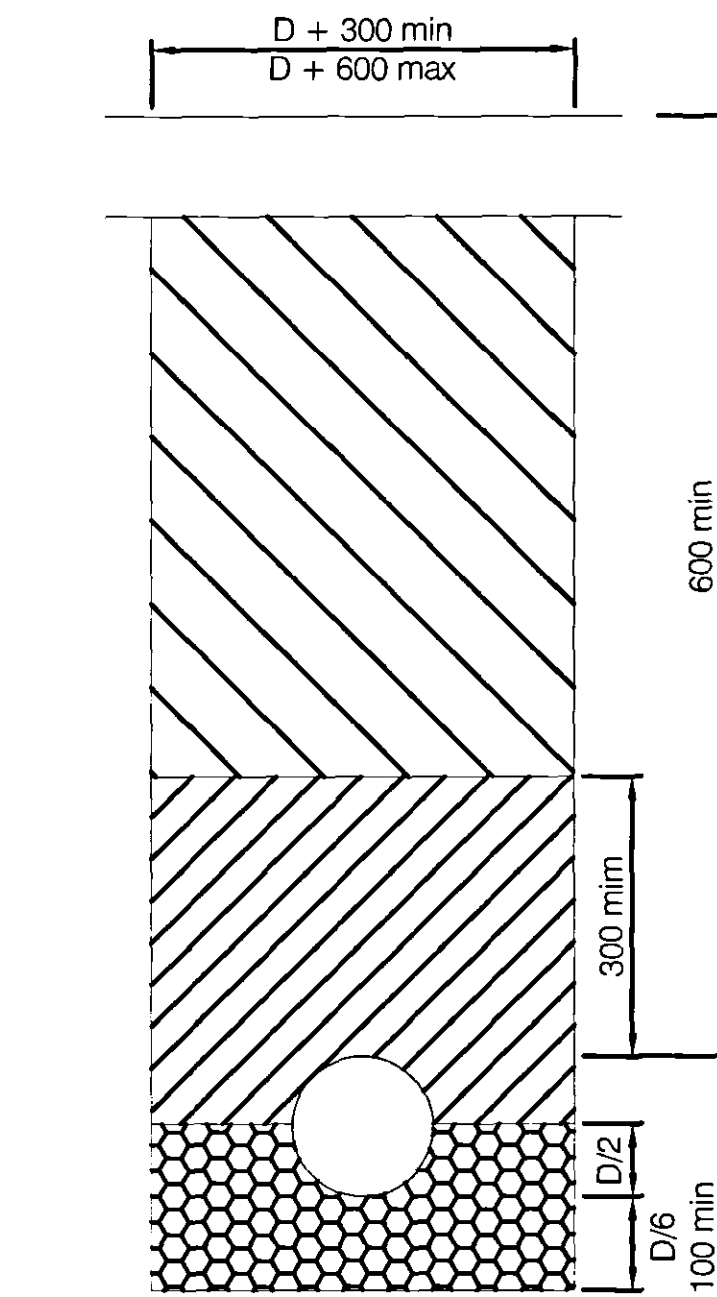


Selected Excavated Material:
Whether selected from locally excavated material or imported, shall consist of uniform readily compactible material, free from vegetable matter, building rubbish and frozen material, or materials susceptible to spontaneous combustion, and excluding clay oil liquid limit greater than 80 and/or plastic limit greater than 55, and materials of excessively high moisture content. Clay lumps and stone retained on 75 mm and 37.5 mm sieves respectively shall be excluded.

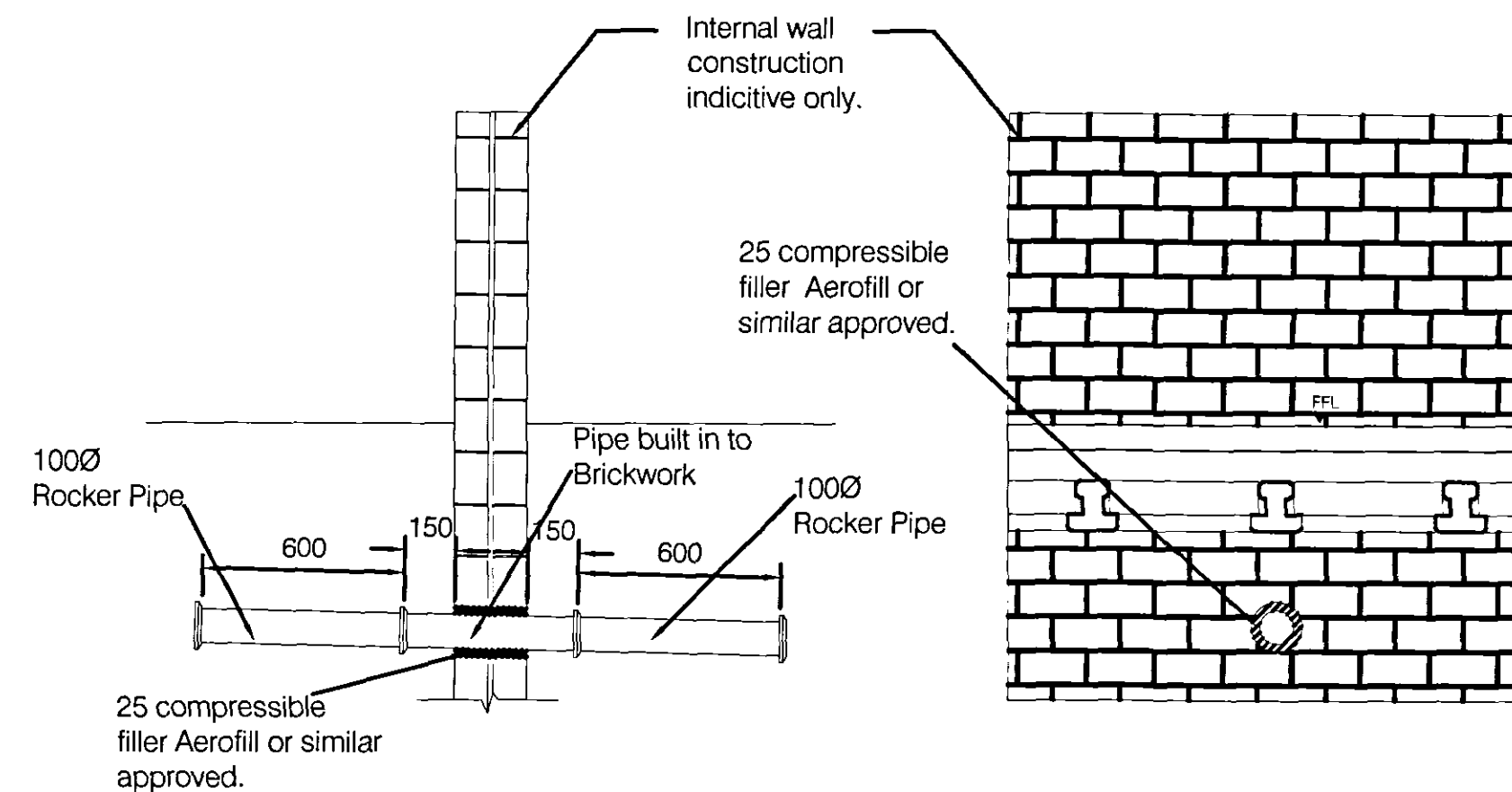
- The fill material shall be placed and compacted over the full width of the trench in layers not exceeding 150 mm before compaction, to a finished thickness of 225 mm above the crown of the pipe.
- Construction traffic and loads due to construction processes. The contractor shall provide any necessary temporary protection to ensure that pipelines, manholes etc. are not damaged as a result of heavy construction traffic or to other loads due to construction processes.



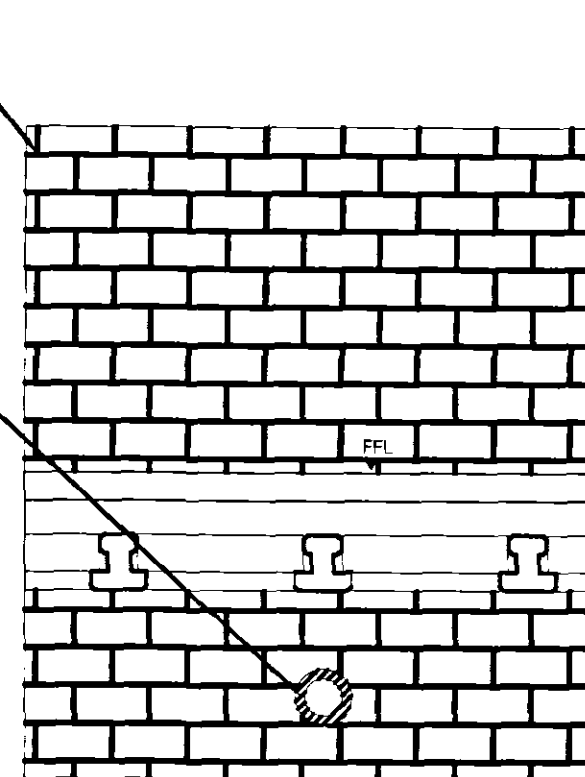
Class F
Fields and gardens
Bedding Factor 1.9 (clay), 1.5 (concrete)



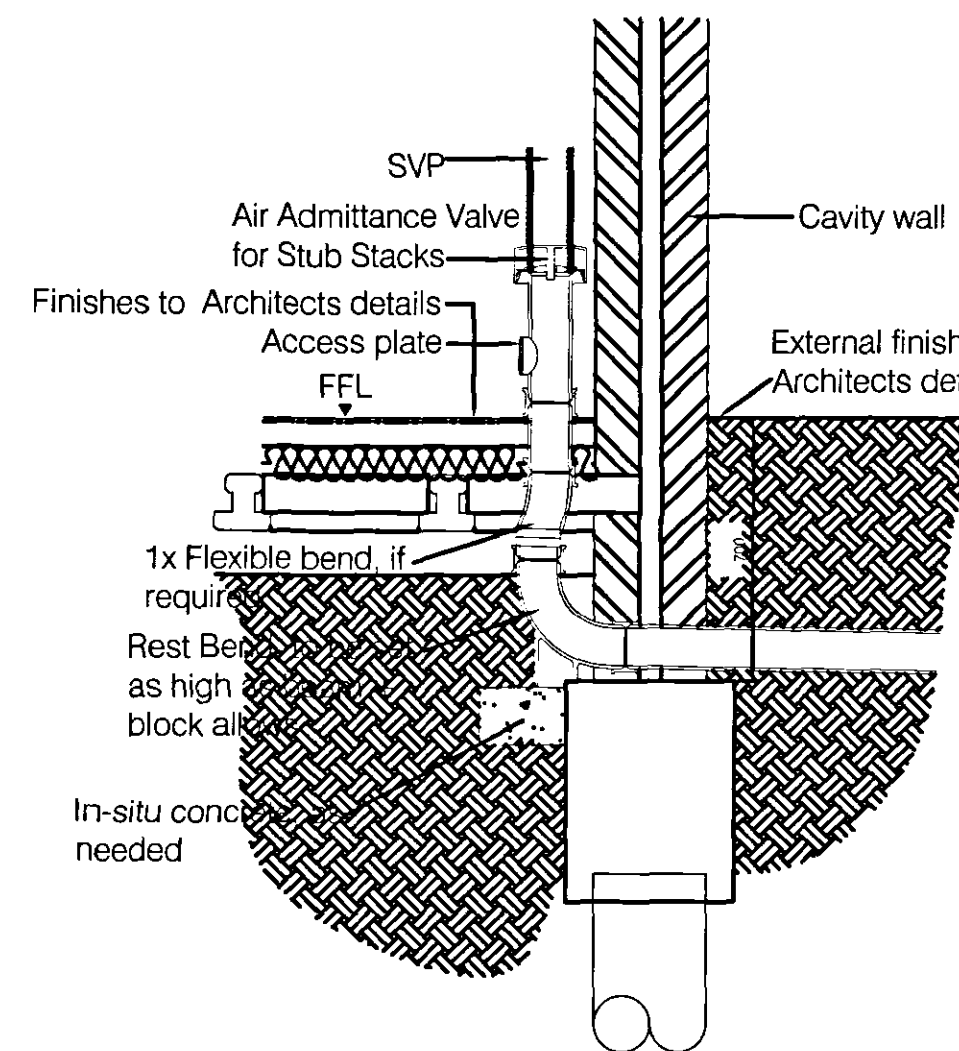
Class B
Light traffic and parking areas
Bedding Factor 2.5 (clay), 1.9 (concrete)



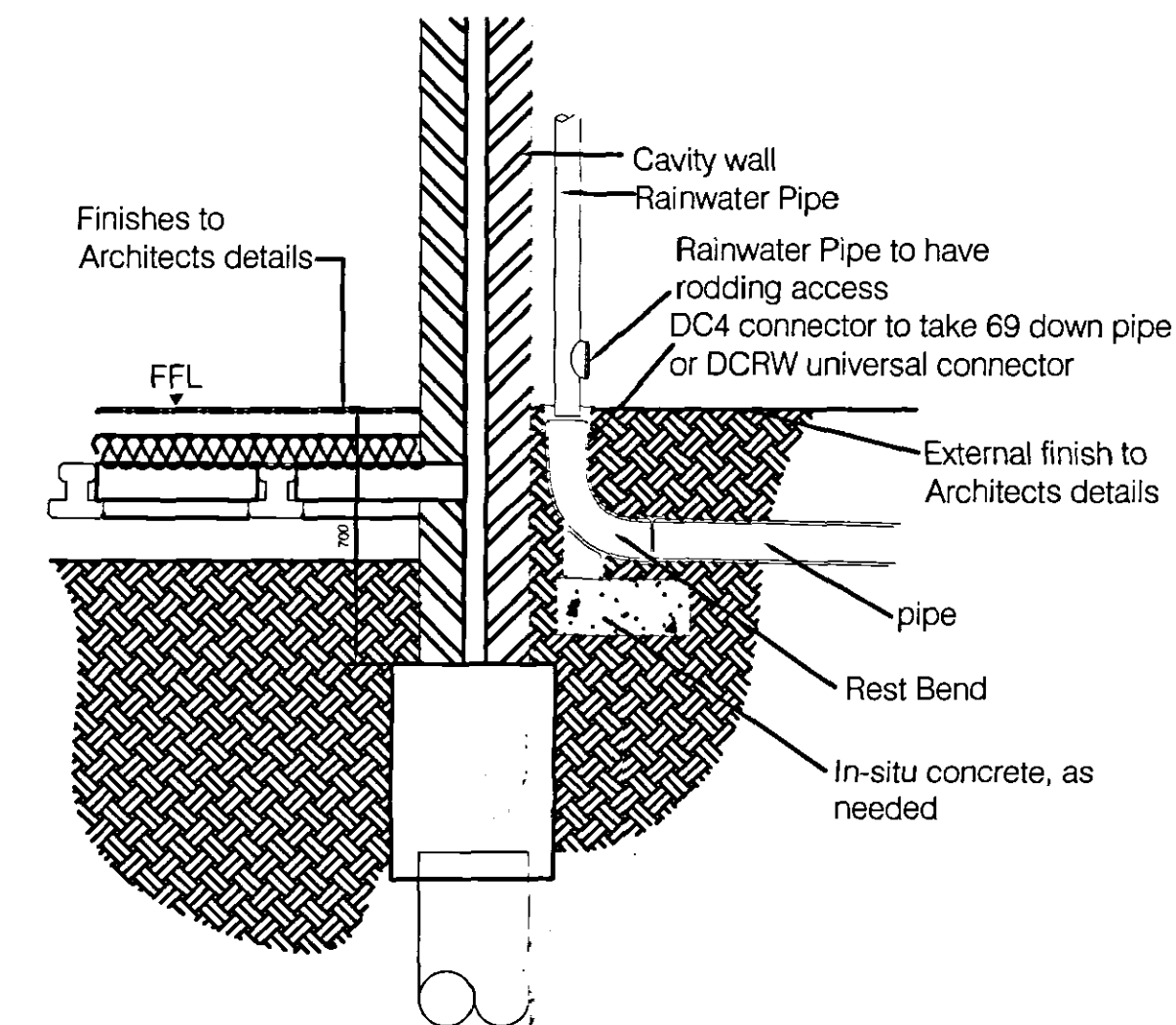
Pipe passing through
wall using rocker pipes
Scale 1:20



Pipe passing through wall
using rocker pipes
Scale 1:20

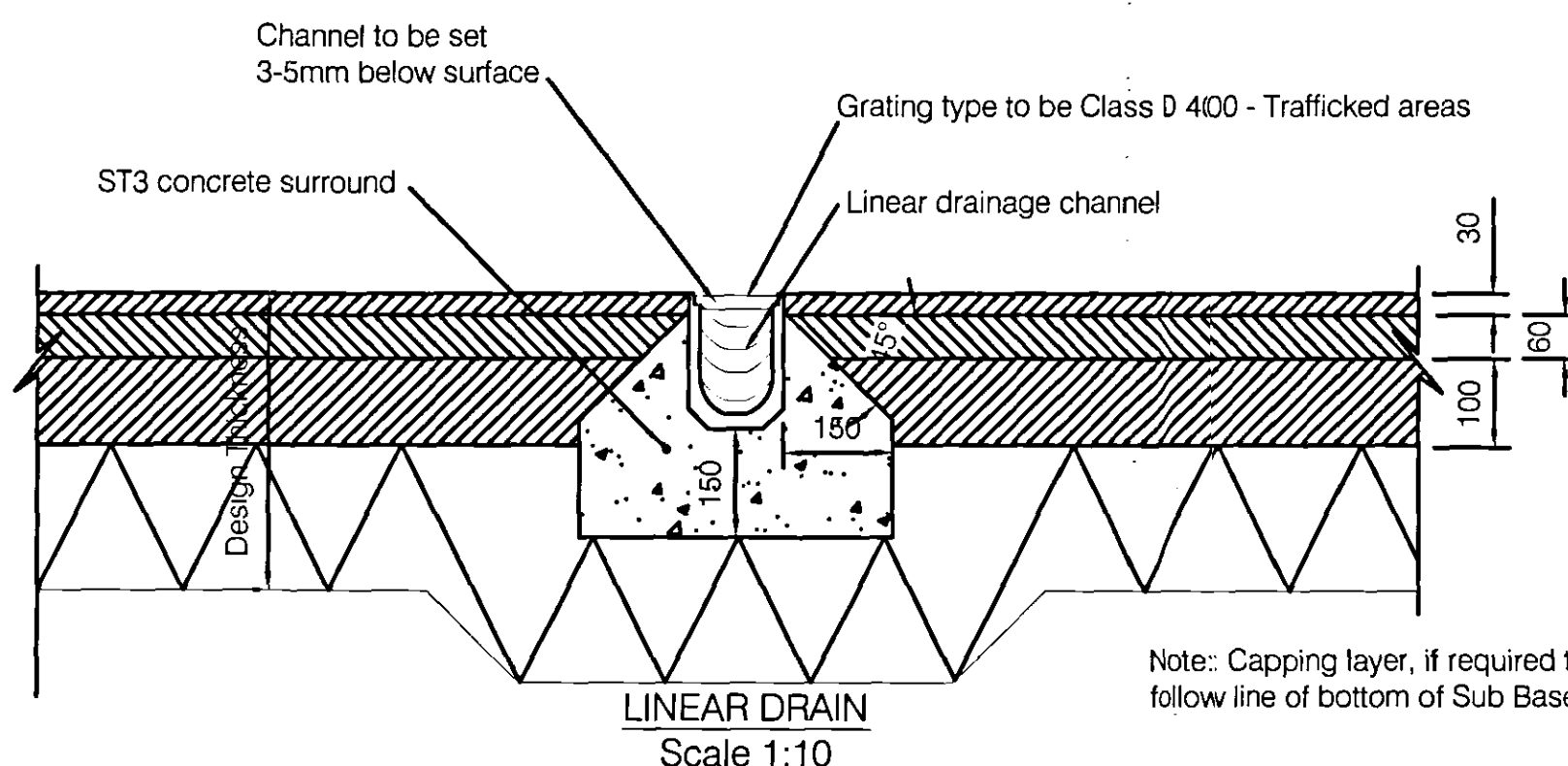


Typical Soil and Vent Pipe
and Stub Stack detail
Scale: 1:10



Typical Rainwater Pipe
Scale: 1:10

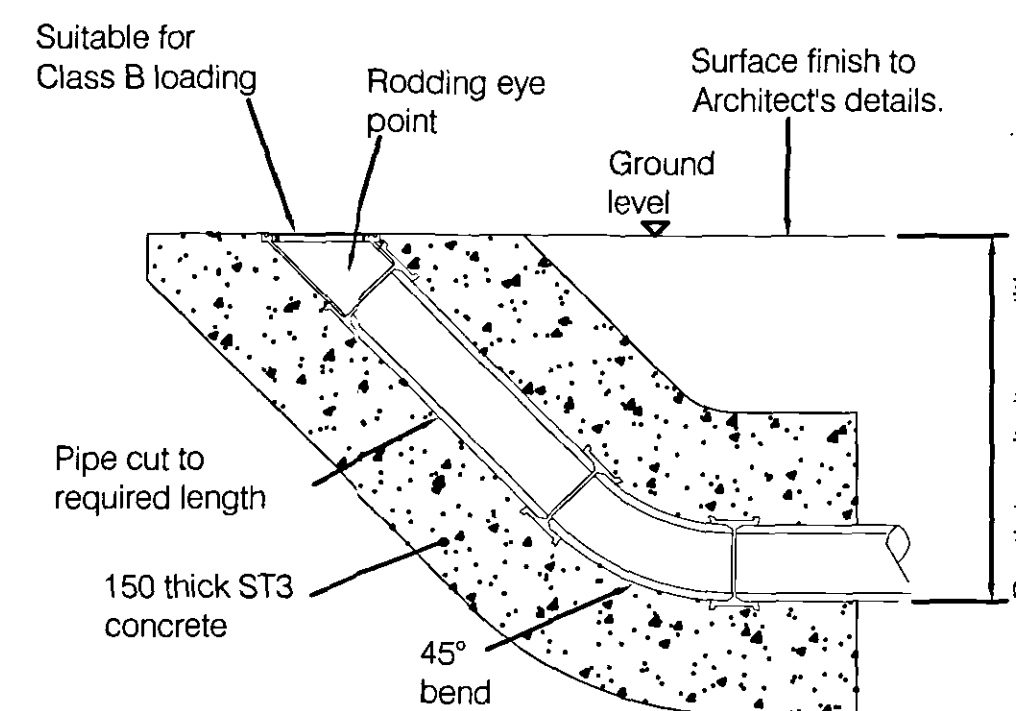
NON ADOPTABLE PIPE BEDDING AND TRENCH DETAILS.
NOT TO SCALE



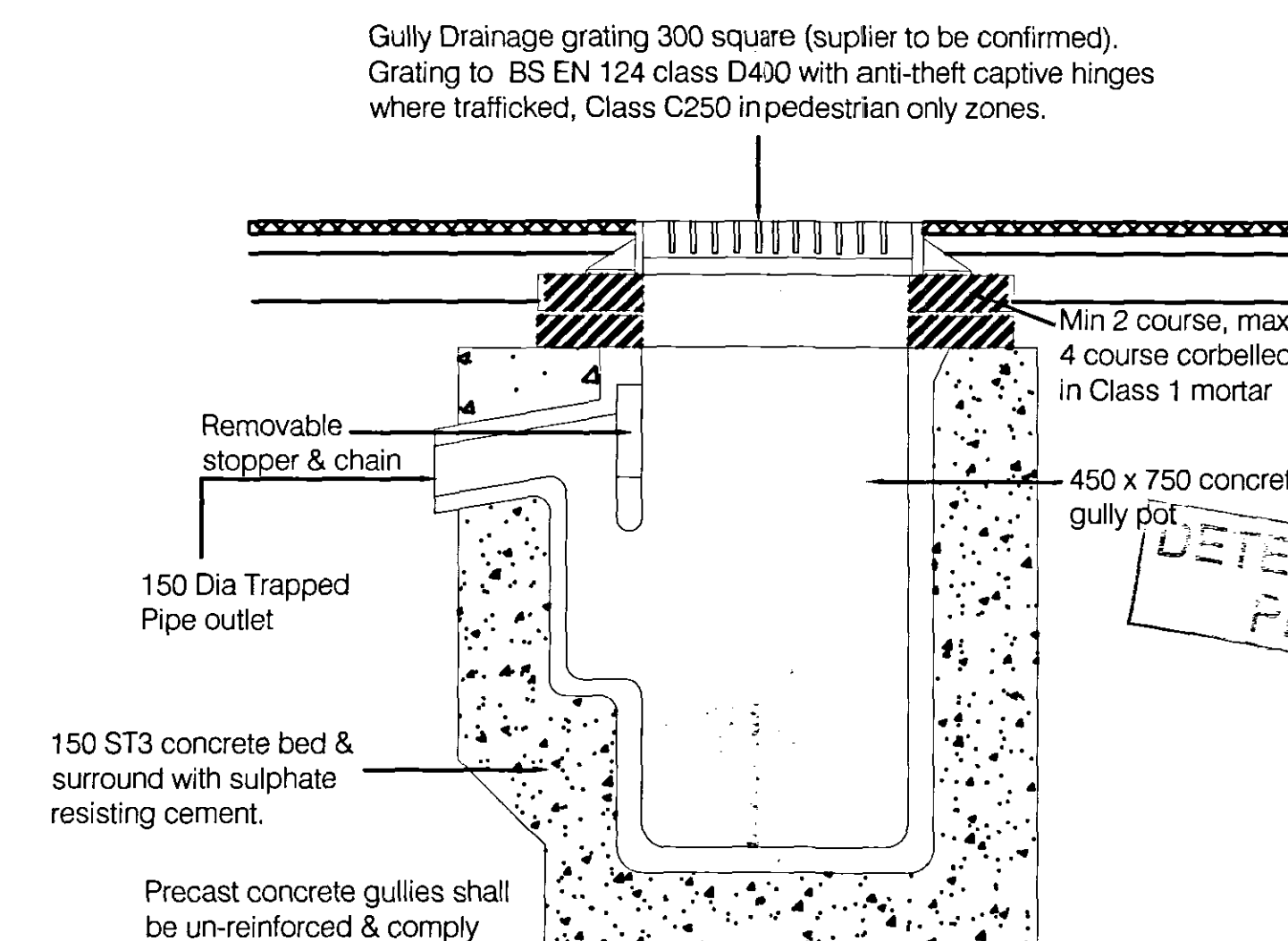
LINEAR DRAIN
Scale 1:10

LINEAR DRAIN

Note: Capping layer, if required to follow line of bottom of Sub Base.



RODDING EYE
Scale: 1:10



with the requirements of BS
5911 Part 2

TYPICAL DETAIL FOR TRAPPED CONCRETE ROAD GULLY
Scale: 1:10

General Notes

1. DO NOT SCALE.
 2. This drawing is to be read in conjunction with all other relevant drawings.
 3. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the Engineer should be informed PRIOR to construction on site.
 4. Until technical approval has been obtained from the relevant Authority, it should be understood that all drawings issued are Preliminary and NOT for construction. Should the contractor commence site work prior to such approval being given, it is entirely at his own risk.
 5. All dimensions are in millimetres unless otherwise stated.
 6. Prior to commencing any drainage on site the contractor shall check the inverts & sizes of all existing drainage and inform the engineer if there is any variation with the details indicated on this or any other relevant drawings.
 7. All private drainage to be constructed in accordance with Current Building Regulations Part H.
 8. Refer to Building Regulations Part H for details of pipes penetrating walls and pipe runs near buildings.
 9. All rainwater pipes to be complete with rodding access.
 11. All pipework is to be tested before and after backfilling in accordance with Clause 25 of B.S. 8301 : 1985
 12. All workmanship is to be to the most current British Standards.
 13. The layout of pipelines, manholes etc. is designed to suit the permanent case.
- Additional loads over & above those designed for may arise during the construction process. The Contractor shall provide any necessary temporary protection to ensure that pipelines, manholes etc. are not damaged as a result of his method of working.

A	Updated to 'CONSTRUCTION'	06 Nov 2007	BMM	JR
Rev.	Description	Date.	Drawn	Appr.

• CML • STRUCTURAL • TRANSPORTATION • GEOTECHNICAL • ENVIRONMENTAL

bsp
business
consulting

Planning 0900
09 JUL 2008
Ref: 728/08

12 Oxford Street, Nottingham. NG1 5BG
Tel : (0115) 8402227 - Fax : (0115) 8402228
e-mail : info@bsp-consulting.co.uk

Drawing Status	
----------------	--

CONSTRUCTION

Client	Primary Asset Limited
--------	-----------------------

Project Title

Proposed Medical Centre
Low Gate Road
Gosborton

Private Drainage Details
Sheet 2 of 2

Drawn By: BMM	Checked By: JR	Scale: 1:200@A1
Project Engineer: PE	Approved By: PE	Date: 13/04/07
Drawing Number: 06162/246		Revision: Δ