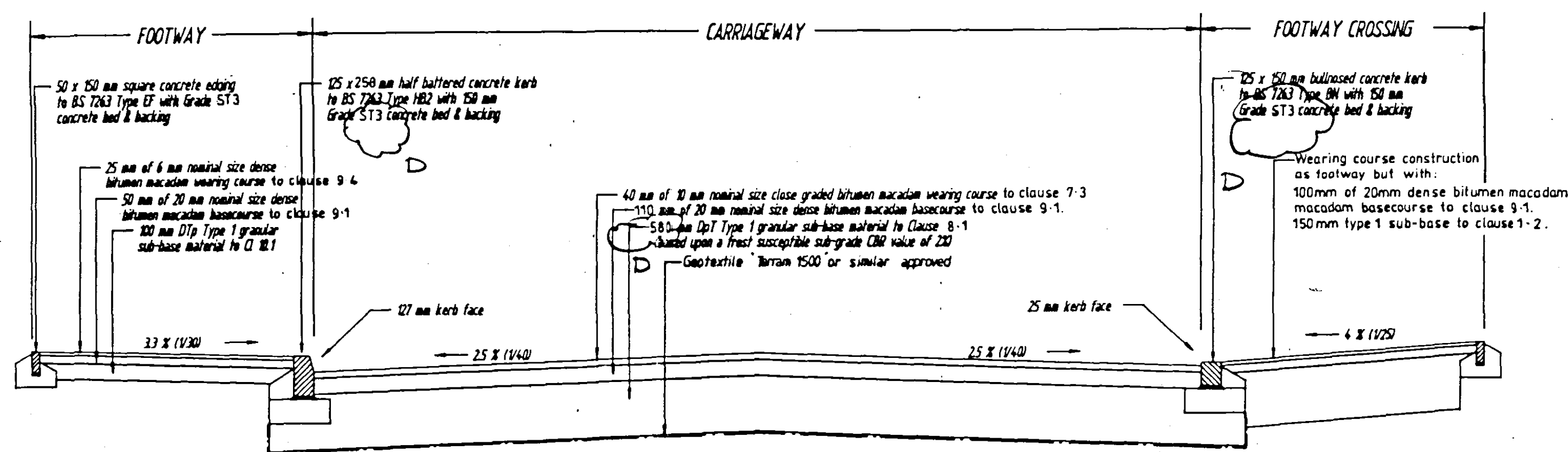
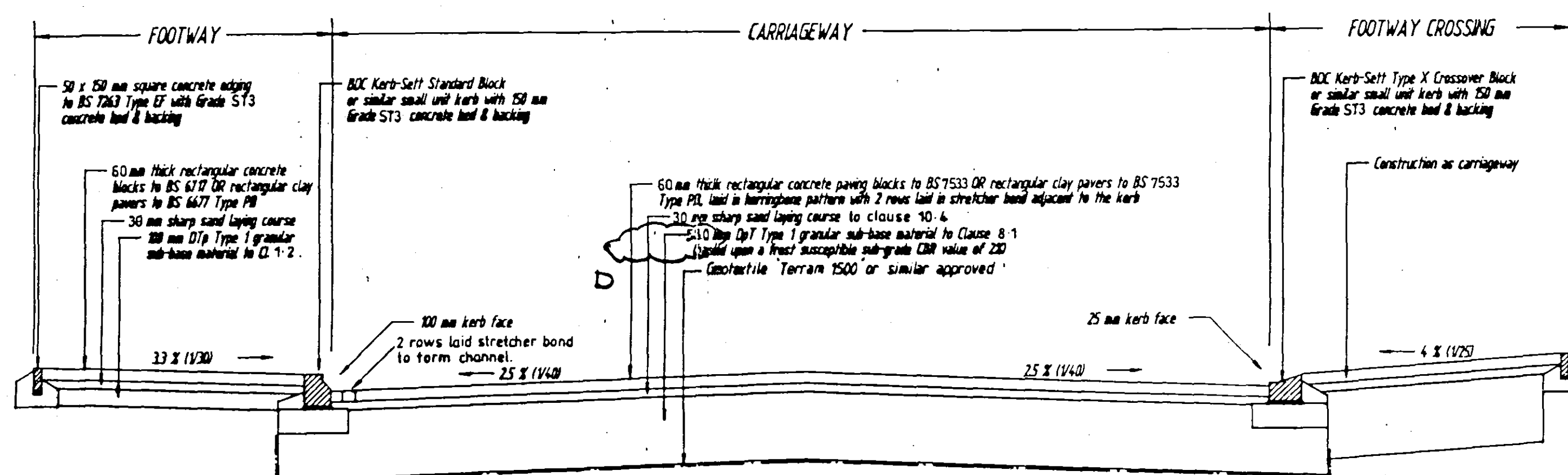




TYPICAL CROSS SECTION THROUGH BLACK TOP BELLMOUTH



TYPICAL CROSS SECTION THROUGH BLOCK PAVED ACCESS WAY

FIGURE 4
TYPICAL MANHOLE DETAIL - TYPE D
depth to soffit less than 1.00m
Agreement of Council/Underaker must be given before installation of this type of manhole

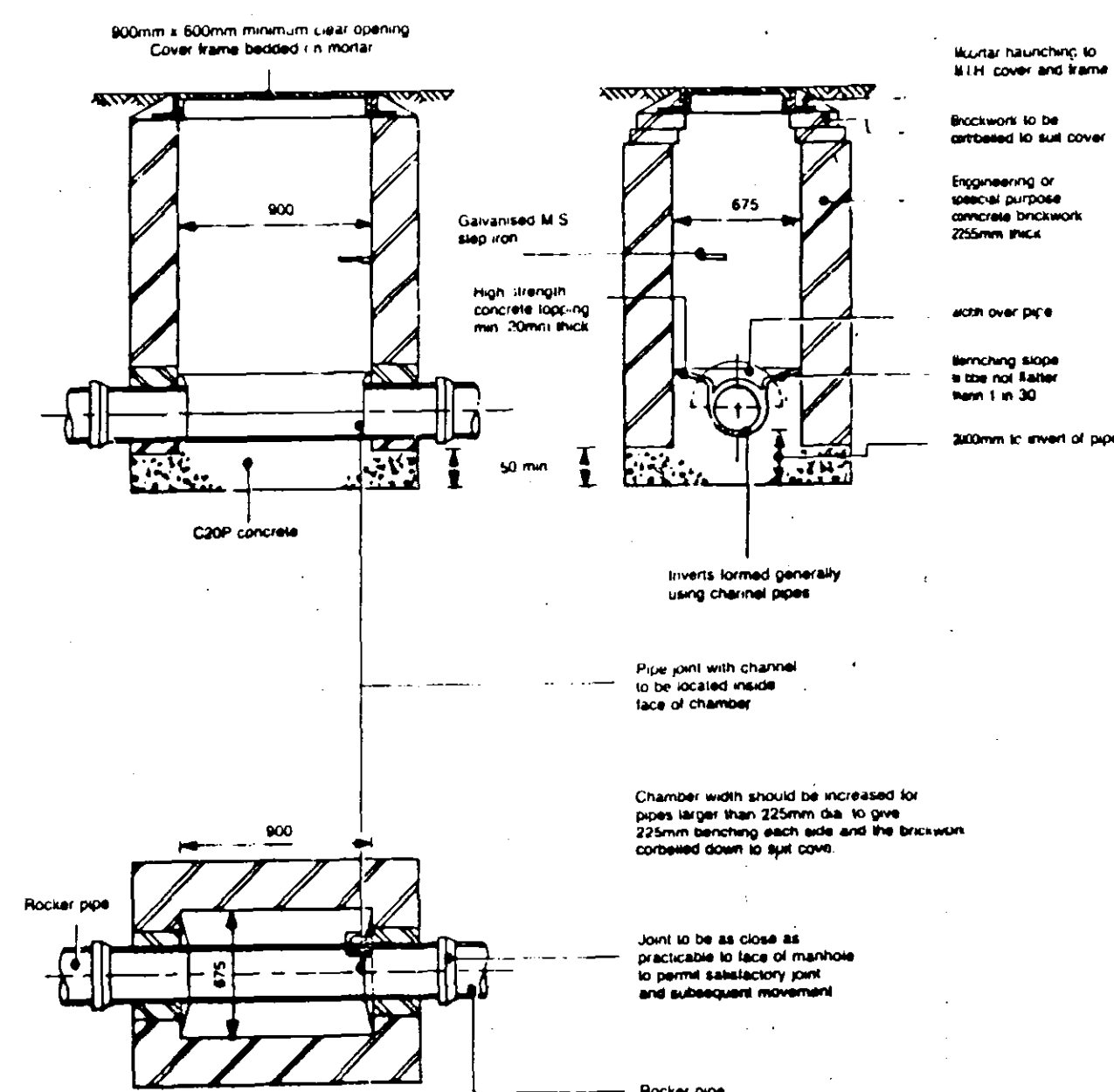
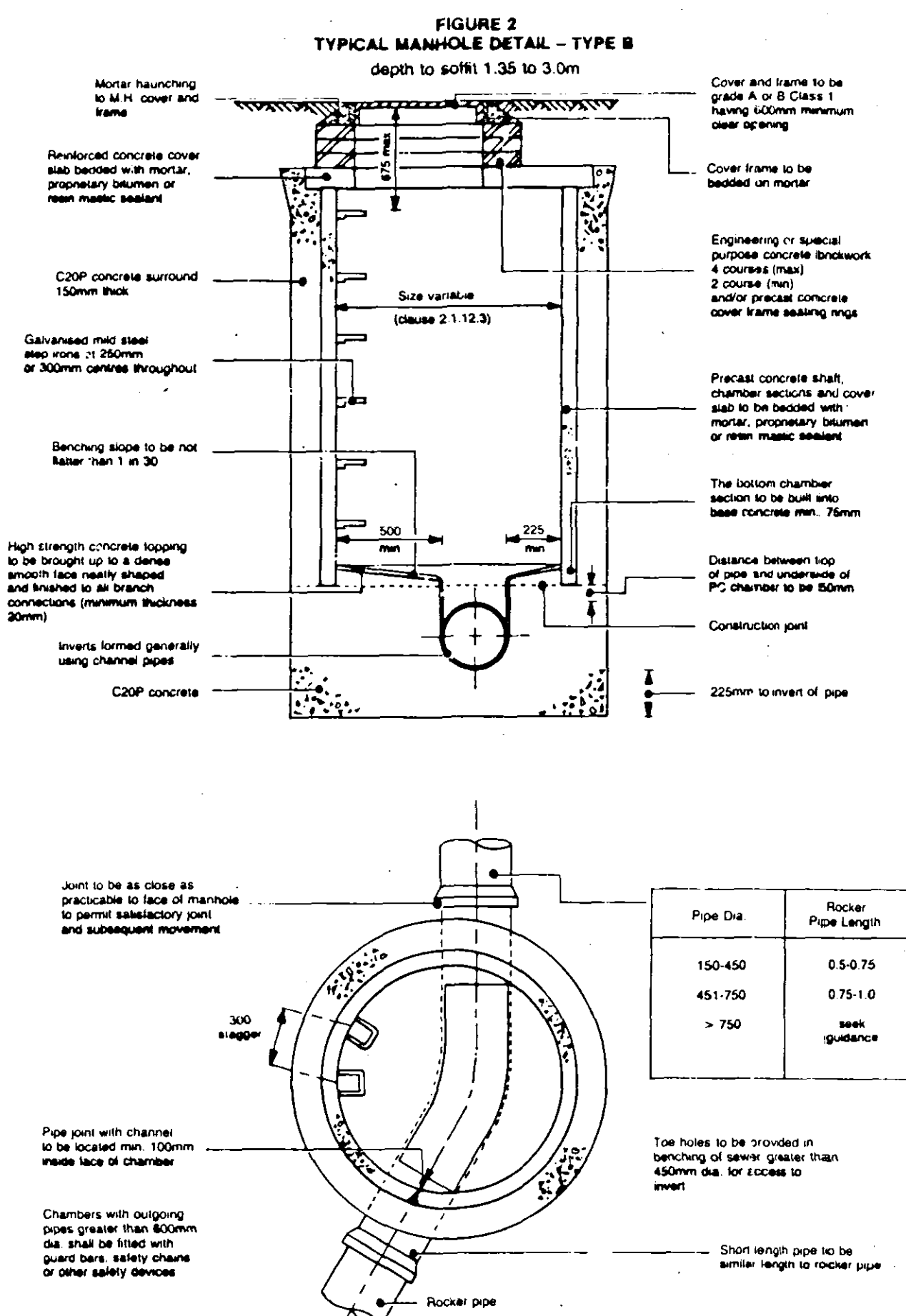
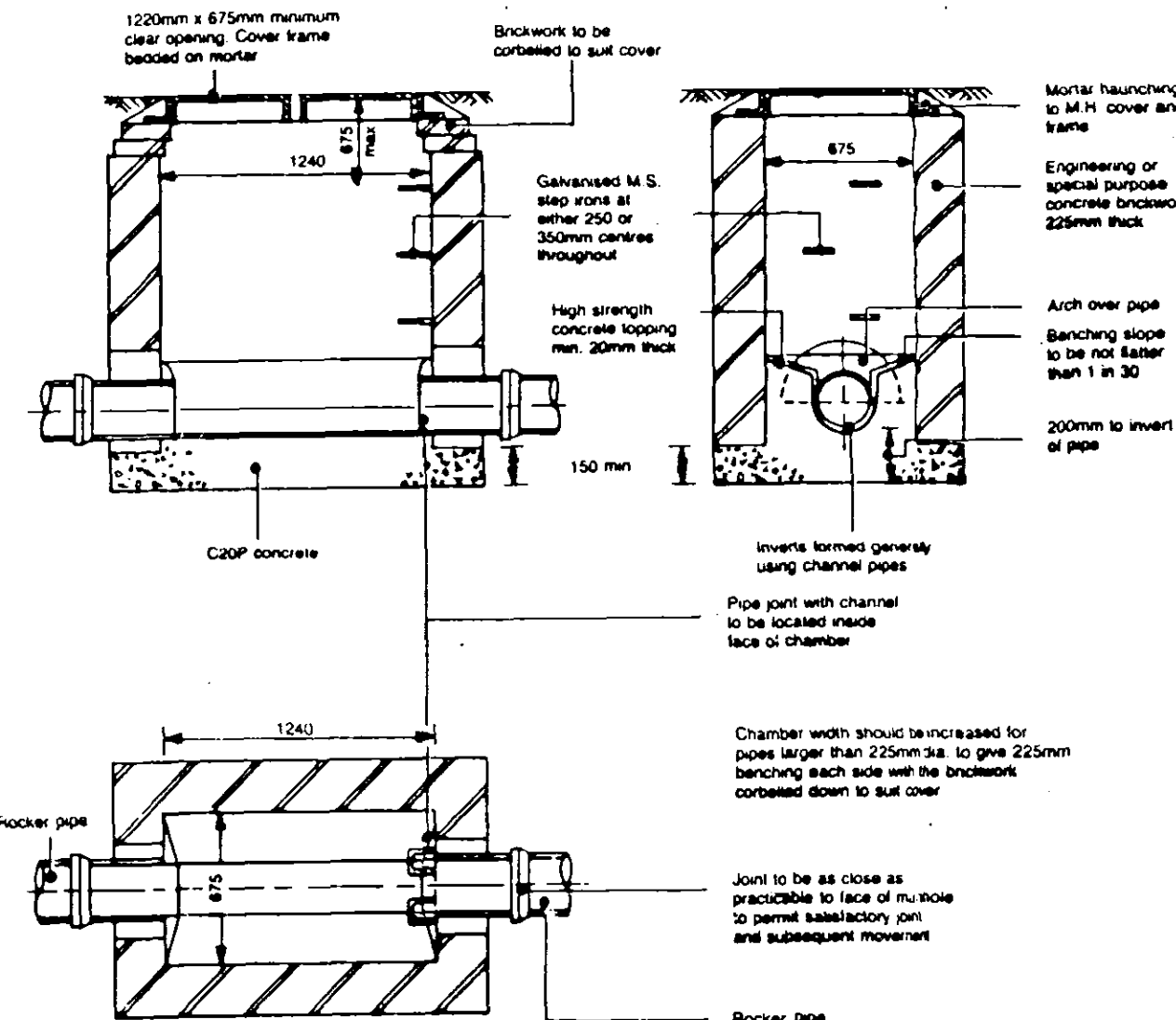
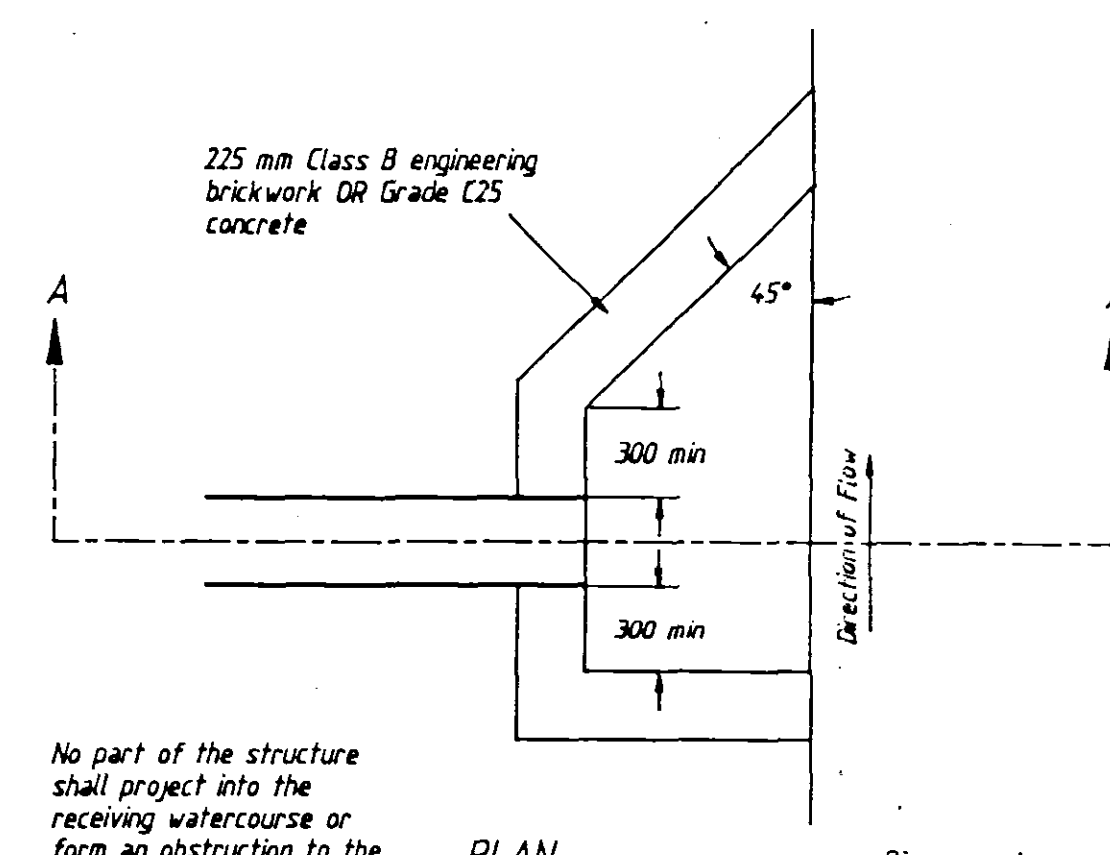


FIGURE 3
TYPICAL MANHOLE DETAIL - TYPE C
depth to soffit 1.0 to 1.35m



The safety policy of individual sewerage undertakers may require a larger minimum clear opening into manholes and the fitting of guard bars, safety chains or other safety devices in manholes with outgoing pipes of less than 600mm dia.



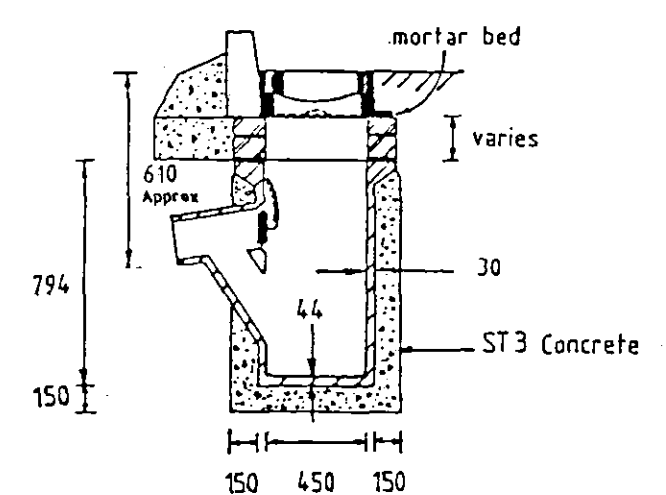
TYPICAL HEADWALL DETAIL

This drawing to be read in conjunction with the following documents from which the details have been derived:

Lincolnshire County Council "Lincolnshire Design Guide For Residential Areas", 1996.

Lincolnshire County Council "Development Road Specification and Construction", 1999.

The specification in all respects shall be the current "Lincolnshire Design Guide For Residential Areas" and "Development Road Specification" publications in force in the County at the time of construction.



Type G5
Trapped Road Gully

- 1) Cover and frame uncoated iron to Clause 5.9.4.
- 2) Mortar bed & benching to Clause 15.
- 3) Bricks to be Class B engineering bricks to BS 3921 (single course where necessary to obtain satisfactory fall). Corbelled if required. Frames to be bricked on four sides.
- 4) Insitu ST3 concrete
- 5) Position of out let pipe varies in plan.
- 6) Insitu ST3 concrete 150mm thick surround to outlet pipe for first one metre under verge or total length if under carriageway.
- 7) Where grating is to be trafficked or laid against within 24 hours of frame being placed in position, then a suitable ultra-rapid hardening mortar and concrete (Monoset 241 or similar) shall be used to bed cover and frame.

G	
F	
E	
D	July 98 REVISIONS CLOUSED
C	23/04/03 Generally up-dated.
B	29/07/93 Sub-base revised
A	02/06/93 Sub-base revised, Geotextile added
Revisions	
Project	
STOCKWELL GATE, WHAPLODE, LINCOLNSHIRE	
Title	
ROAD & SEWER CONSTRUCTION DETAILS	
Client	
ASHWOOD HOMES	
Architect	
John Finch Partnership	
Scales:	1/25 & NTS
Date:	March 1993
Drawn:	GDS
Checked:	Reinf.
Checked:	
RLT Engineering Consultants Ltd. CONSULTING STRUCTURAL & CIVIL ENGINEERS	
RLT House 5 Oxford Road Colchester Essex CO3 3HN Telephone: 0206 768655 Fax: 0206 768656	
Drawing No.	9112/04/10
Revision	D