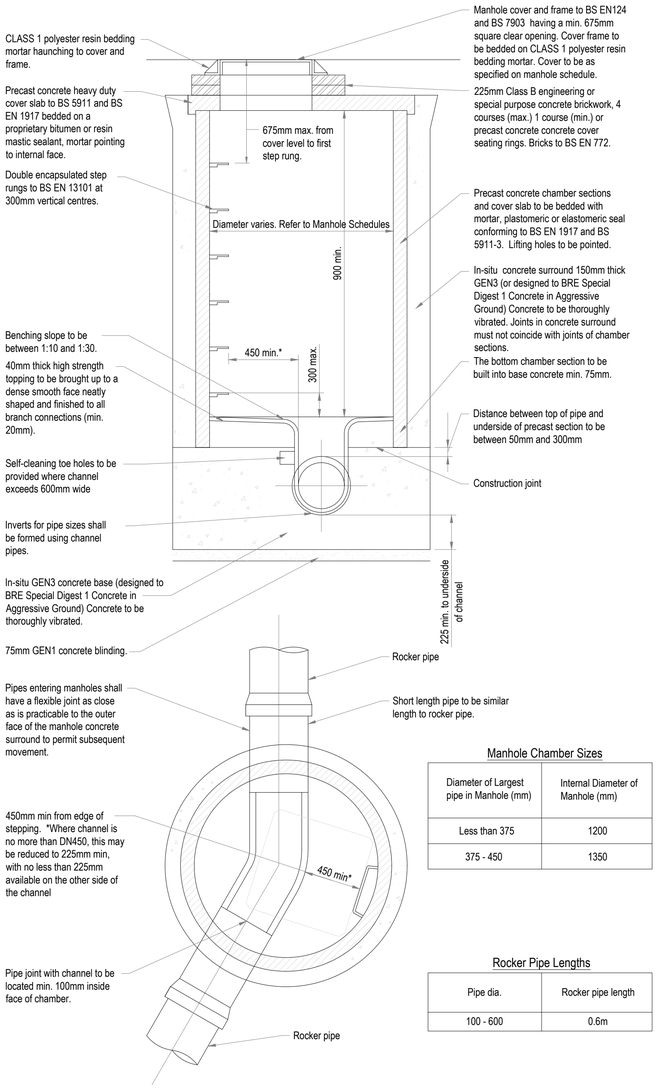


Manhole Chamber Sizes

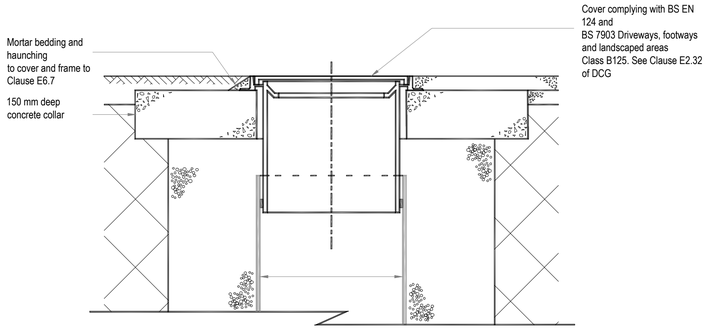
Diameter of Largest pipe in Manhole (mm)	Internal Diameter of Manhole (mm)
Less than 375	1200
375 - 450	1350

Rocker Pipe Lengths

Pipe dia.	Rocker pipe length
100 - 600	0.6m

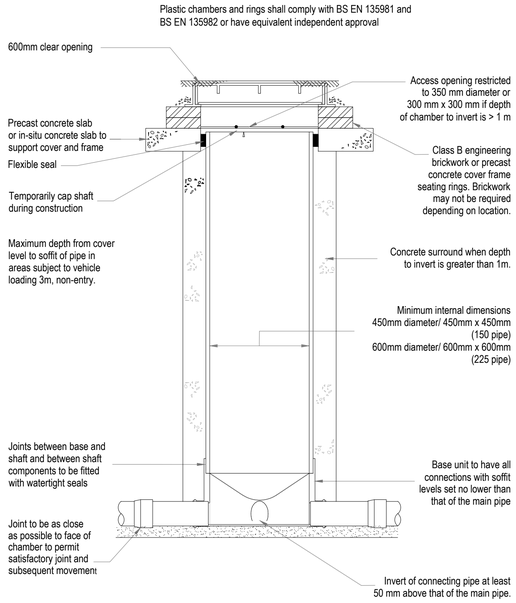
MANHOLE - TYPE B - RIGID MATERIAL WITH CONCRETE SURROUND

Depth to soffit = 1.5 - 3.0m



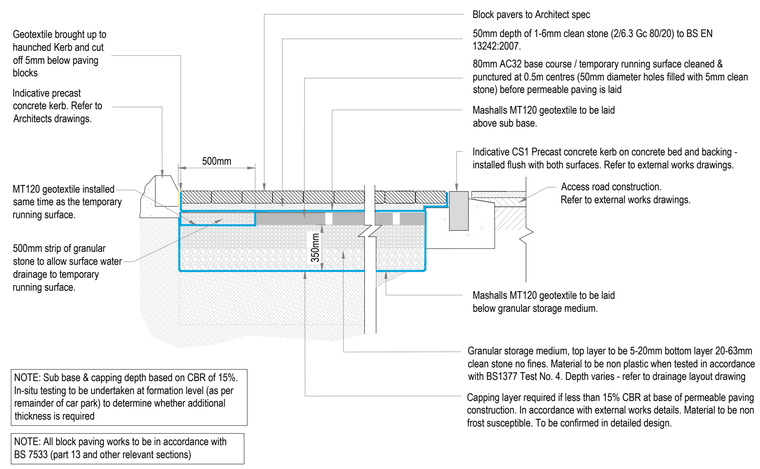
ALTERNATIVE TOP DETAIL FOR LANDSCAPED AREAS - TYPE D

Not To Scale



TYPE D (450/600 DIA) INSPECTION CHAMBER DETAIL

Not To Scale

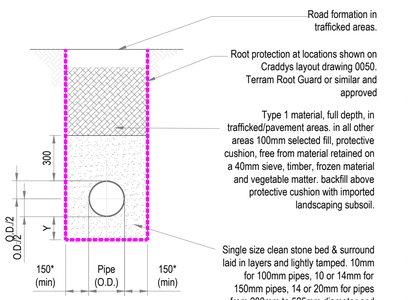


NOTE: Sub base & capping depth based on CBR of 15%. In-situ testing to be undertaken at formation level (as per remainder of car park) to determine whether additional thickness is required

NOTE: All block paving works to be in accordance with BS 7533 (part 13 and other relevant sections)

TANKED (INFILTRATION) PERMEABLE PAVEMENT (BLOCK PAVING)

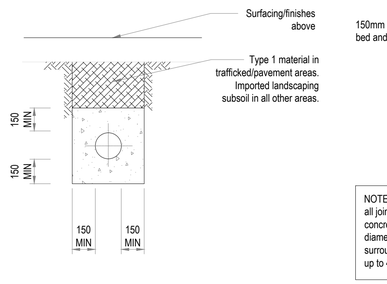
Scale: 1:20

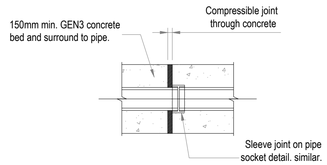


Notes:
1. Bedding beneath and at sides of pipe to be well compacted.
2. The first 300mm of fill above the crown of the pipe is to be lightly tamped by hand. Mechanical compaction may be used only above this level.
3. Geotextiles may be used where directed or approved by the engineer to contain bedding material in certain soils e.g. running sand.
4. In very wet conditions, where directed or approved by the engineer a temporary land drain may be laid within the granular bed.
5. * = 150mm for 300mm diameter pipes or less.
6. * = 200mm for pipe diameters over 300mm.
7. Y = 100mm for 100mm diameter pipes or less.
8. Y = 150mm for pipe diameters more than 100mm.
9. Y = 200mm for pipe trenches in rock.

CLASS S BEDDING FOR DRAINS (WHERE COVER TO SOFFIT IS MORE THAN 1200mm IN TRAFFICKED AREAS OR 600mm ELSEWHERE) BEDDING FACTOR 2.5

Not To Scale





NOTE: Where sewers have a concrete bed and surround, flexibility of all joints is to be maintained by providing a flexible joint through concrete using a compressible board. Board to be pre-cut to pipe diameter and to provide a complete break between the concrete surrounds. The compressible board is to be 18mm thick for pipe sizes up to 450mm and 36mm thick for larger diameters.

Notes:
1. Bedding beneath and at sides of pipe to be well compacted.
2. Geotextiles may be used where directed or approved by the engineer to contain bedding material in certain soils e.g. running sand.
3. In very wet conditions, where directed or approved by the engineer a temporary land drain may be laid within the granular bed.
4. Where rigid pipes with flexible joints are used, the concrete protection is to be interrupted over its full cross section at intervals not exceeding 5m (or as indicated by the engineer) by a shaped former of bitumen impregnated compressible filler. These interuptions shall coincide with pipe joints.
5. Concrete to be GEN3 concrete.
6. Where flexible pipes are used care must be taken to prevent the pipes from floating.

CLASS Z BEDDING WHERE COVER TO SOFFIT IS LESS THAN 600mm (1200mm IN TRAFFICKED AREAS) OR WHERE PIPE CLEARANCE BETWEEN PIPES IS LESS THAN 300mm

Not to scale.

REV	DATE	DESCRIPTION	DRW	CHK
C01	17.10.25	INITIAL ISSUE	DW	RH
C02	18.12.25	CONSTRUCTION ISSUE	MTB	AST

GENERAL NOTES

DRAWINGS AND SPECIFICATIONS: This drawing is to be read in conjunction with all relevant Architects, Engineers and Specialists drawings together with the specification.

Refer to Craddys drawing 13599-CDY-XX-XX-DR-C-0050.

C D M : SIGNIFICANT HAZARDS

THE FOLLOWING HEALTH AND SAFETY HAZARDS ARE IDENTIFIED BY THE DESIGNER AS ABNORMAL IN PURSUANCE OF THE CURRENT CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS.

RISKS DURING CONSTRUCTION:
- Refer to Craddys drawing: 13599-CDY-XX-XX-DR-C-0050.

OPERATION / MAINTENANCE RISKS:
- Refer to Craddys drawing: 13599-CDY-XX-XX-DR-C-0050.

RISKS DURING DEMOLITION/DECOMMISSIONING/DISMANTLING/ALTERATIONS:
- Refer to Craddys drawing: 13599-CDY-XX-XX-DR-C-0050.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY COMPETENT & ADEQUATELY RESOURCED CONTRACTOR(S) TO SAFE SYSTEMS OF WORK.

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Client
ALDI - Aldi Stores Ltd.

Project Title
ALDI STORE

Project Address
PERRYMOUNT ROAD
HAYWARDS HEATH

Drawing Title
PROPOSED DRAINAGE DETAILS SHEET 1

Job No.	Originator	Zone	Level	Type	Role
13599	CDY	XX	XX	DR	C

System Classification	Drawing No.	Suitability	Revision
Ss_15_10_00	0055	A5	C02

Drawn	Checked	Date	Scale	Size
DW	RH	17.10.25	AS SHOWN	A1

Approved	Craddys Job#
RAG	13599

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