

DO NOT SCALE from this drawing
All dimensions must be verified on the site before setting out :
commencing work, with any discrepancies reported to REFA

FIGURE B.18
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Rigid material detail)
Maximum depth from cover level to soffit of pipe
in areas subject to vehicle loading 3 m, non-entry

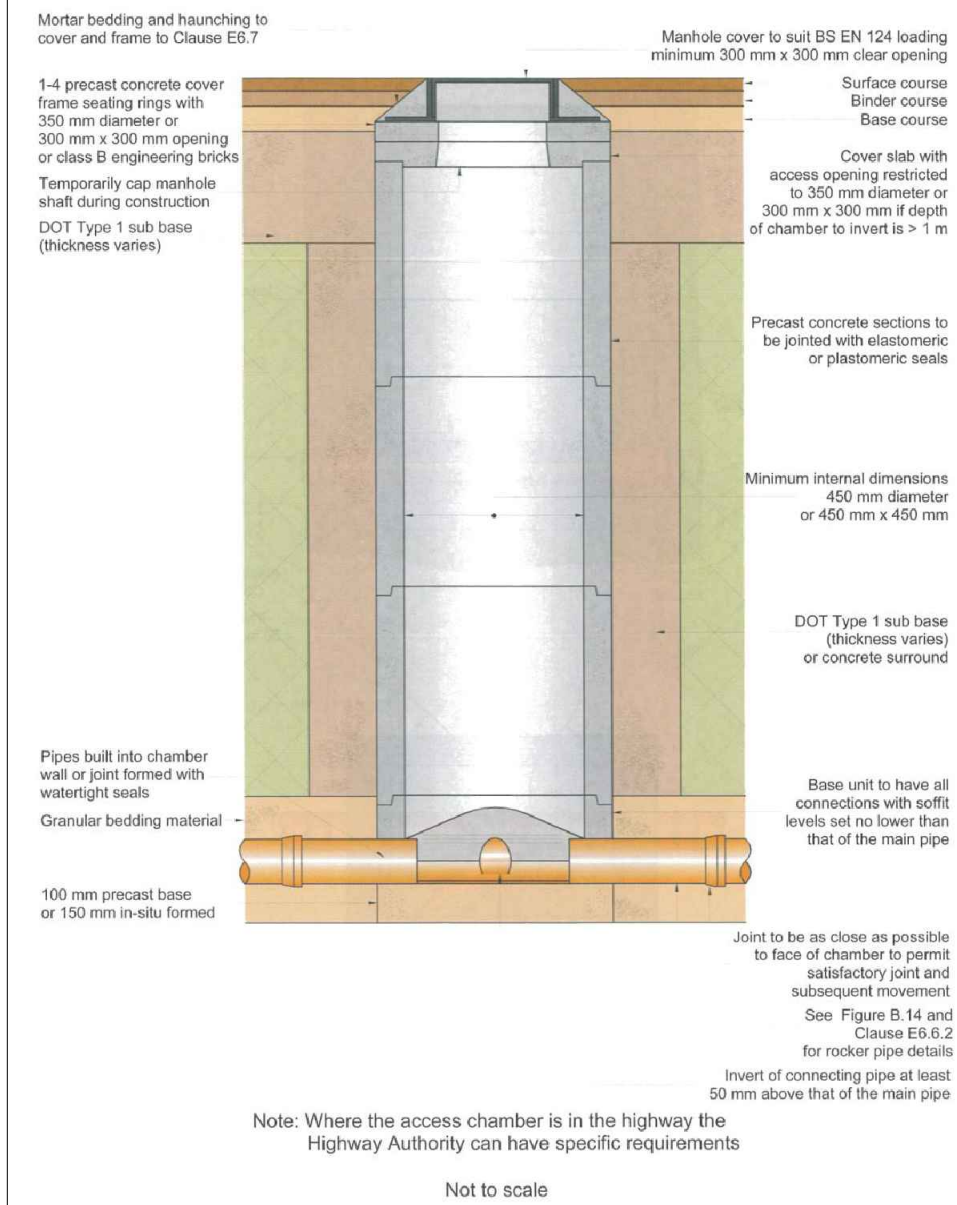


FIGURE B.19
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Rigid material detail)
Alternative maximum depth from cover level to soffit of pipe 3 m for areas not subject to vehicle loading or areas subject to light vehicle loading, non-entry

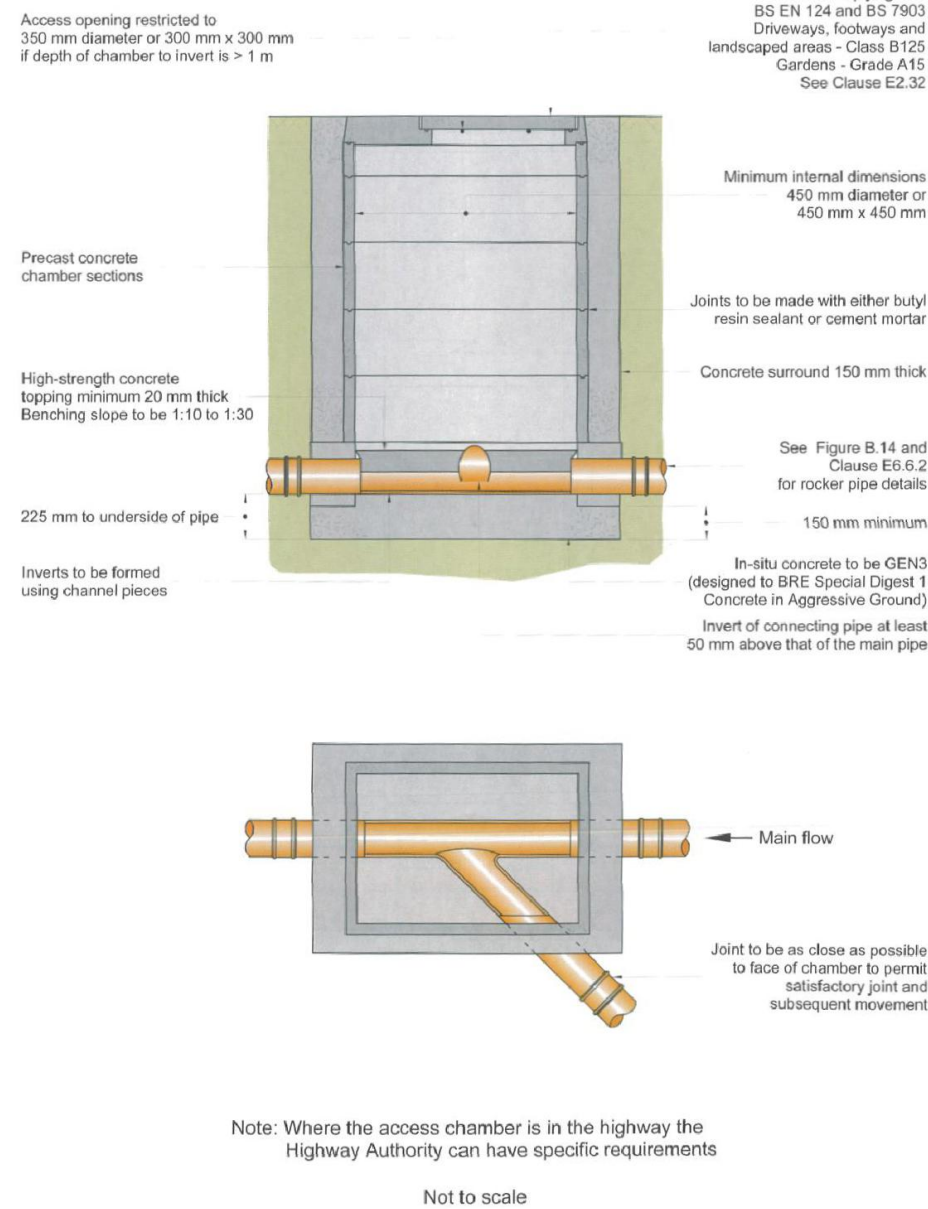


FIGURE B.21
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Flexible material detail)
Maximum depth from cover level to soffit of pipe 2 m, non-entry

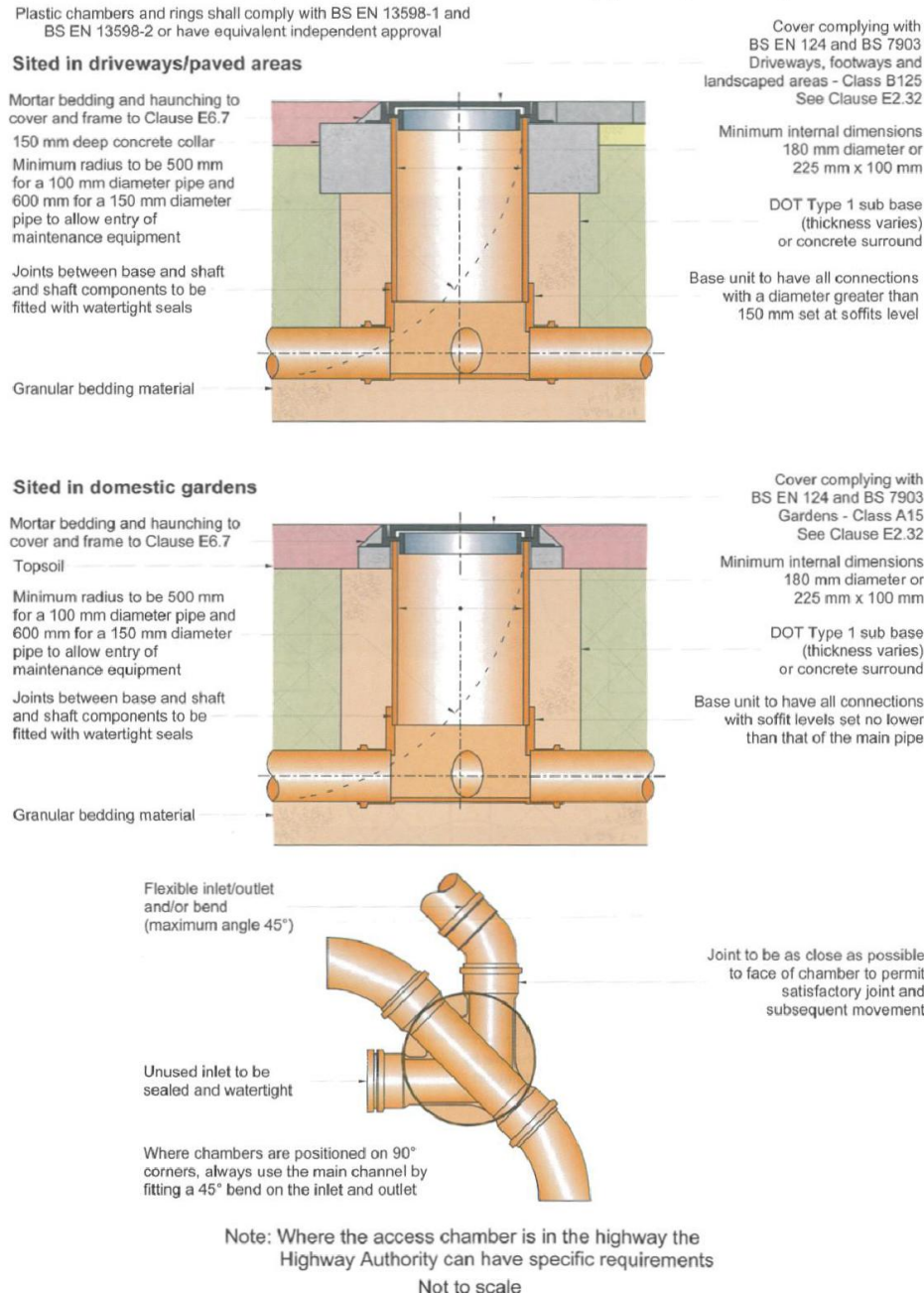


FIGURE B.22
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Alternative construction detail)
Maximum depth from cover level to soffit of pipe 2 m, non-entry

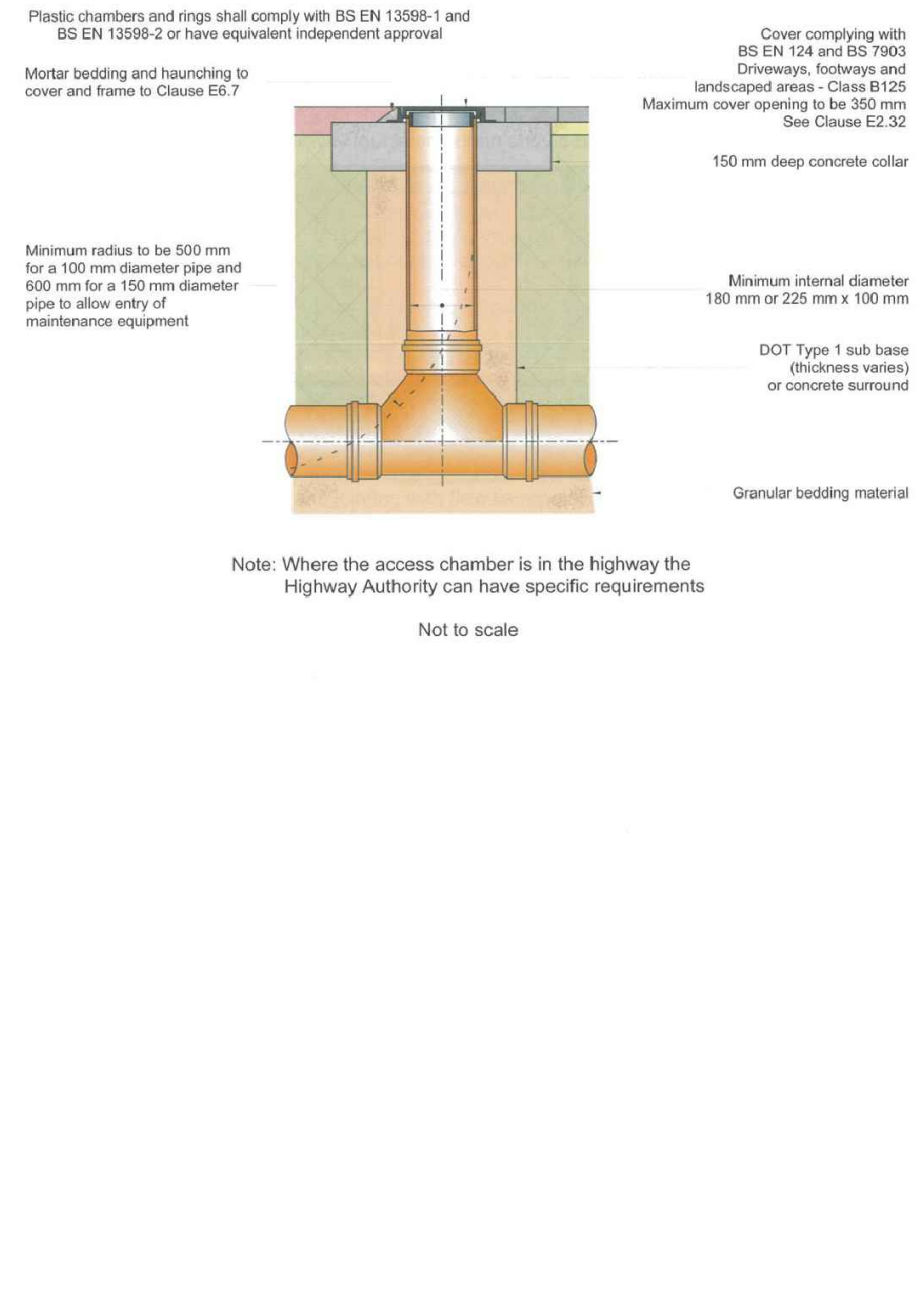


FIGURE B.23
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Rigid material detail)
Maximum depth from cover level to soffit of pipe 1 m, non-entry

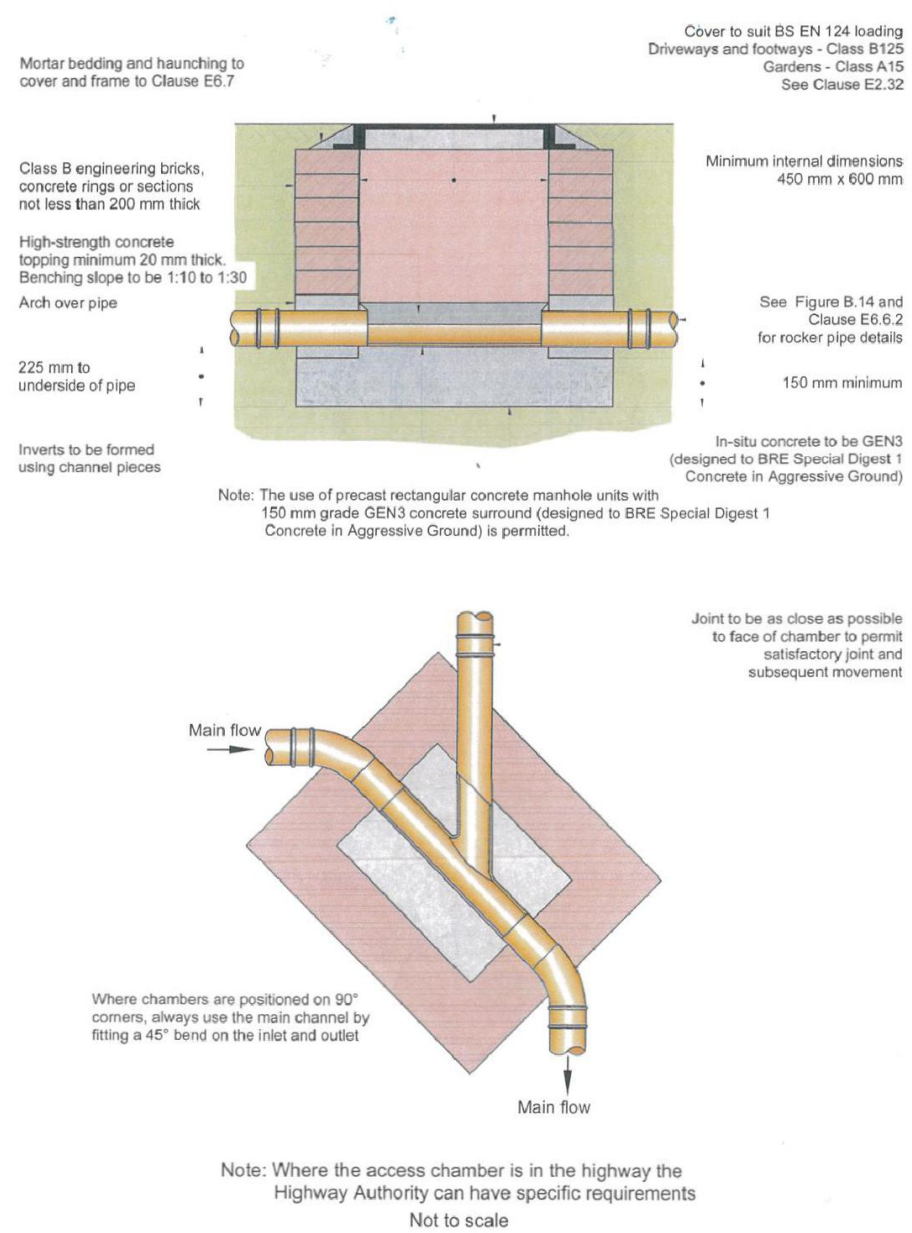
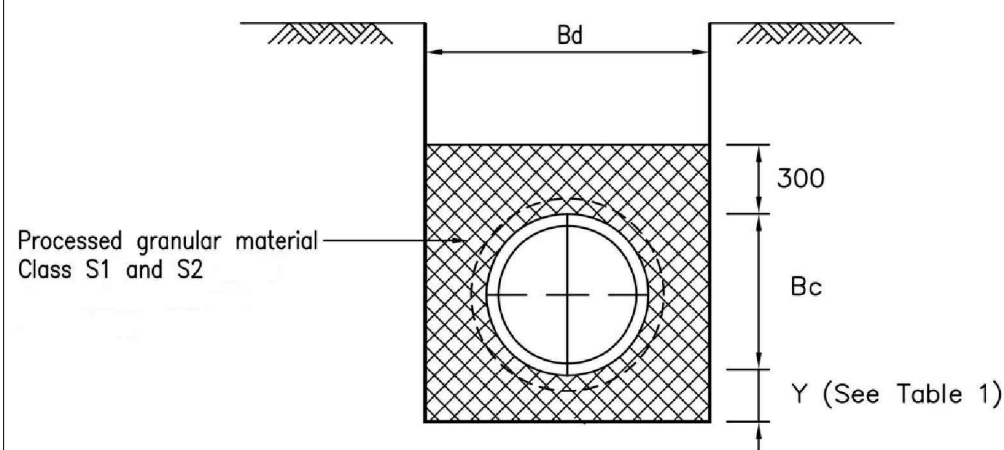
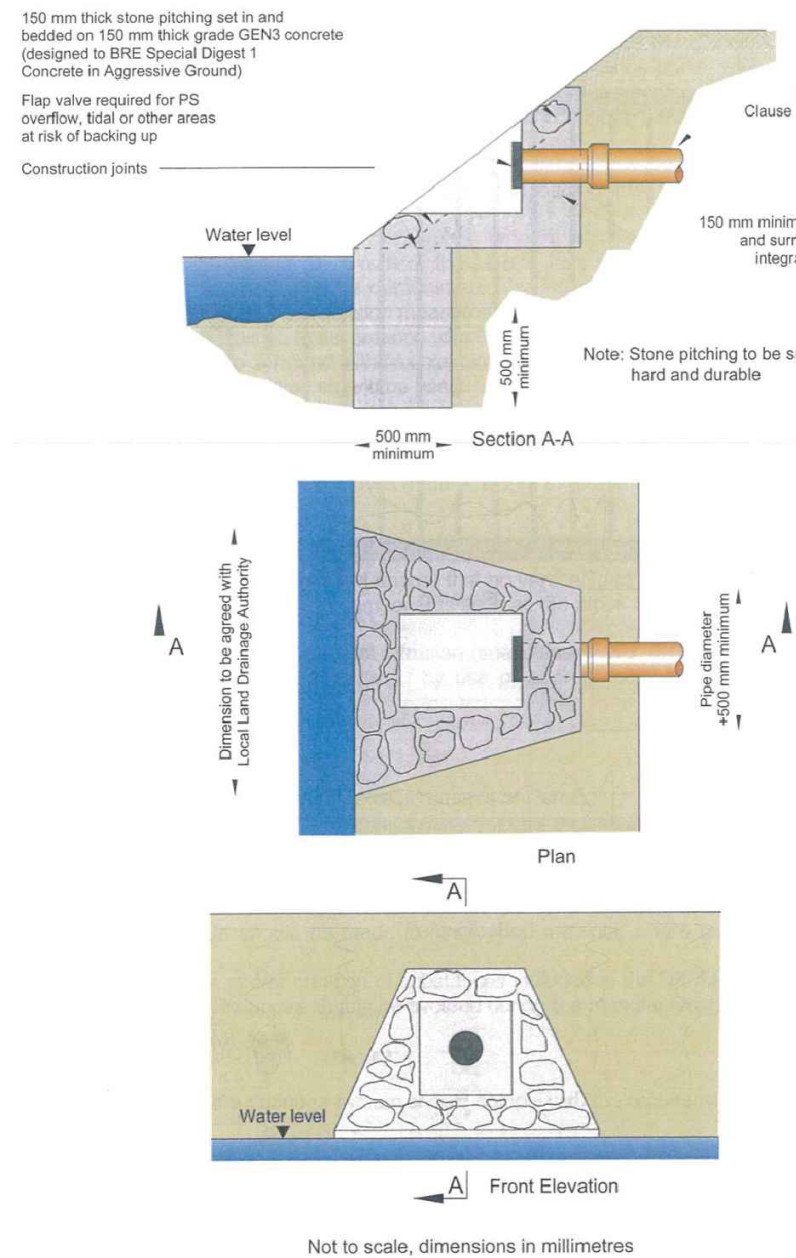


FIGURE C.5
TYPICAL DETAIL OF OUTFALL TO WATERCOURSE
Suitable for outfall pipes of less than 350 mm



TYPE 1

EMBEDMENT CLASSES S1 TO S5

FLEXIBLE AND SEMI RIGID PIPE EMBEDMENTS

Nominal Int Pipe Dia	Dimension Y1 (Even trench bottom)	Dimension Y2 (Rock or uneven trench bottom*)	Minimum Effective Trench Width Bd (see note 2)
<400	100	200	Bc+300
400-700	150	250	Bc+450
725-900	200	300	Bc+600
925-1200	250	350	Bc+800

*Note:
The minimum depth of processed granular material under pipe sockets shall be 50mm for even trench bottom and 150mm for uneven trench bottom.

Bc = Outside Diameter of pipe
Bd = Effective trench width
measured 300mm above
crown of pipe

**FIGURE B.1
PERMITTED LOCATION OF SEWERS AND
LATERAL DRAINS IN PROXIMITY TO BUILDINGS**

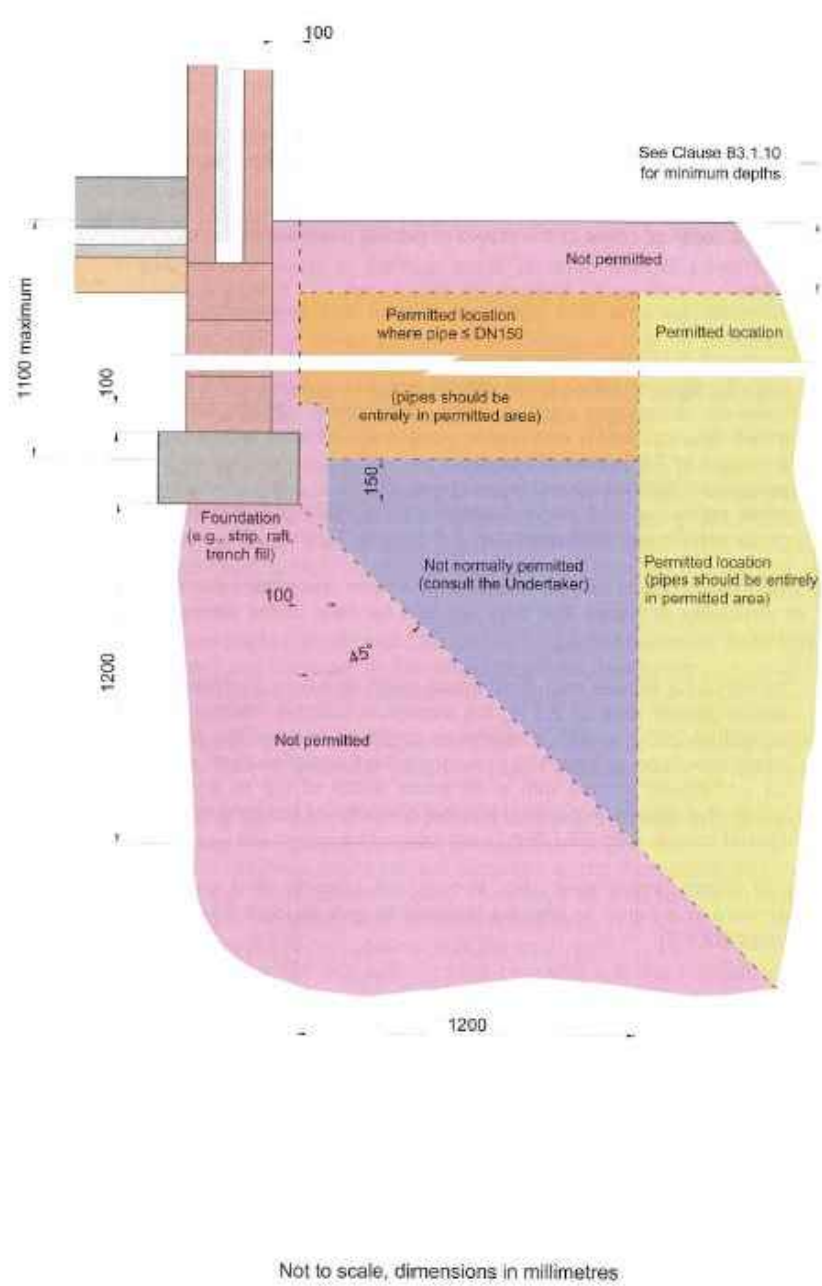
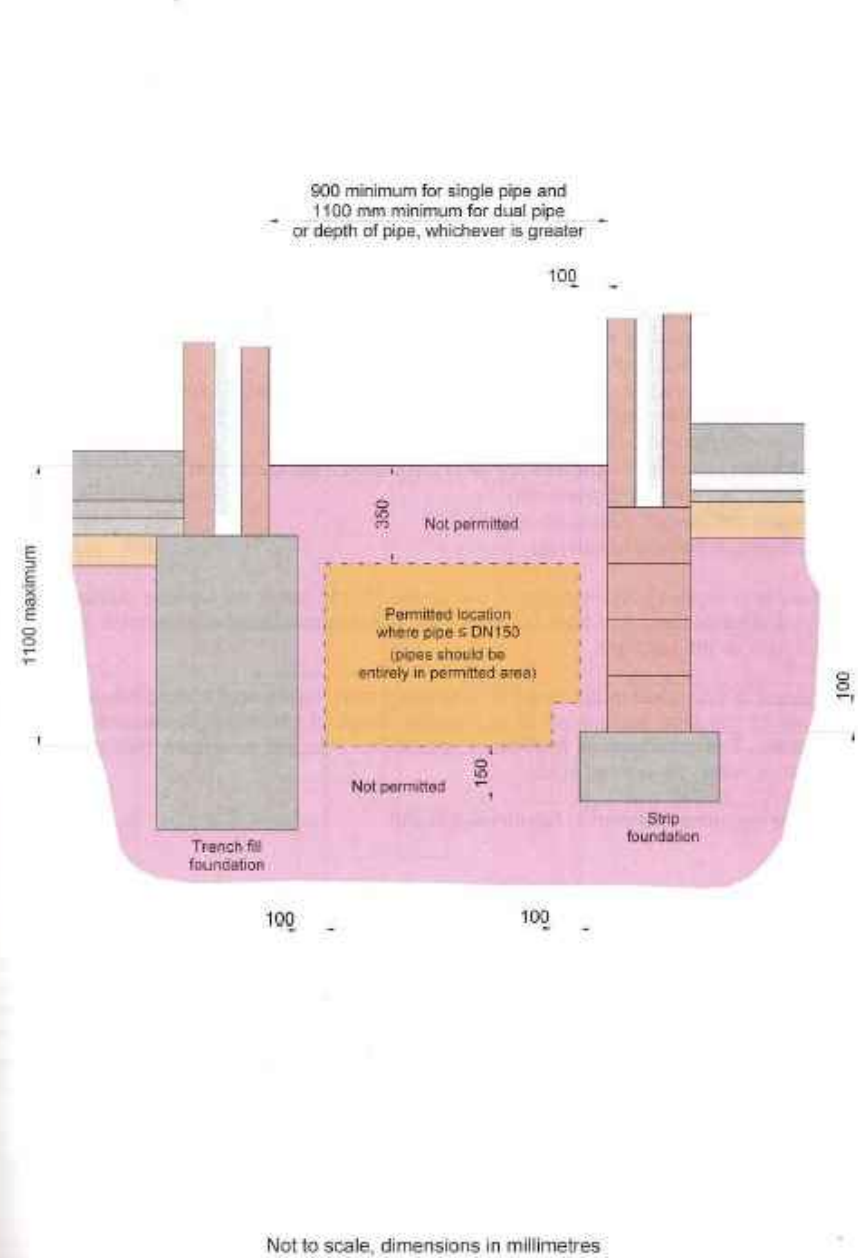


FIGURE B.2
ADDITIONAL DETAIL - PERMITTED LOCATION OF SEWERS
AND LATERAL DRAINS BETWEEN BUILDINGS
(where Figure B.1 is not applicable only)



GENERAL

1. All adoptable sewers and associated works are to comply fully with "Sewers for Adoption" 7th Edition dated August 2012.
2. All highway works to be to adoptable standards and to comply fully with the Local Authority specification.
3. All private drainage works are to comply fully with Part H of the Building Regulations
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to REPA.
5. All levels are based on a topographical survey information provided by others.
5. All materials to bear the relevant B.S.Kitemark and comply fully with the specifications.
All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
6. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works.
All works are to be inspected by I.A., NHBC or Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works. All design work has been carried out with Health and Safety aspects given full consideration. Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.

We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed.

They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by REFA below:-

1. Support / treatment for ALL excavation work.
2. Guarding to edges of excavations to prevent people/materials and vehicles falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.
9. Method of working where contaminated ground is present on site.
10. Confirmation will be required that all operatives

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.
For clarification on any item please contact REFA.

[illegible]

rev	Revision details	Date
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Drawing Stage		Drawing Status	
	Draft		● Tender
●	Issued		Information Construction
		●	Approval As Built

Client

**SG ESTATES
LIMITED**

Job title

WATTS DYKE RD
LLAY

Drawing title

SEWERS FOR ADOPTION 7

STANDARD DETAILS 2

REFA

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DRAWING No	20072/108/2	Rev

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