

From: Laura Gibbons
Sent: 11 March 2019 12:27
To: Planning.Responses
Cc: Anita Gardner
Subject: RE: Planning Consultation on M/18/19/DOC

Engineers Comments Regarding Condition 6

I recommend that condition 6 is discharged based on the supplied information and the attached details.

Regards,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

Laura Gibbons | Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre,
Maltravers Road, Littlehampton, BN17 5LF
Internal: 37818 | External: +44 (0) 1903 737818 | Fax: +44 (0) 1903 716018 | E-mail: laura.gibbons@arun.gov.uk
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Save the environment - think before you print.

From: planning.responses@arun.gov.uk [<mailto:planning.responses@arun.gov.uk>]
Sent: 07 March 2019 14:23
To: Land Drainage
Subject: Planning Consultation on M/18/19/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL
TOWN AND COUNTRY PLANNING ACT 1990

**APPLICATION
NO:**

M/18/19/DOC

Registered:

05-MAR-19

Site Address:

Middleton House Yapton Road Middleton on Sea PO22 6DU

**Description of
Works:**

Approval of details reserved by condition imposed under
M/39/17/HH relating to condition 6-surface water drainage.

The Council have received the above application to discharge conditions. I shall be pleased to receive any observations you may wish to make in respect of those conditions relating to your field of expertise.

[Click here to view the Discharge of Condition application](#)

[Click here to view conditions on original application - click on decision tab](#)

Should you have any comments to make, these should be sent by replying to this email by 21st March 2019.

www.arun.gov.uk/planning

Please be aware that any comments you may make will be available on our website so please do not insert personal details or signatures on your reply.

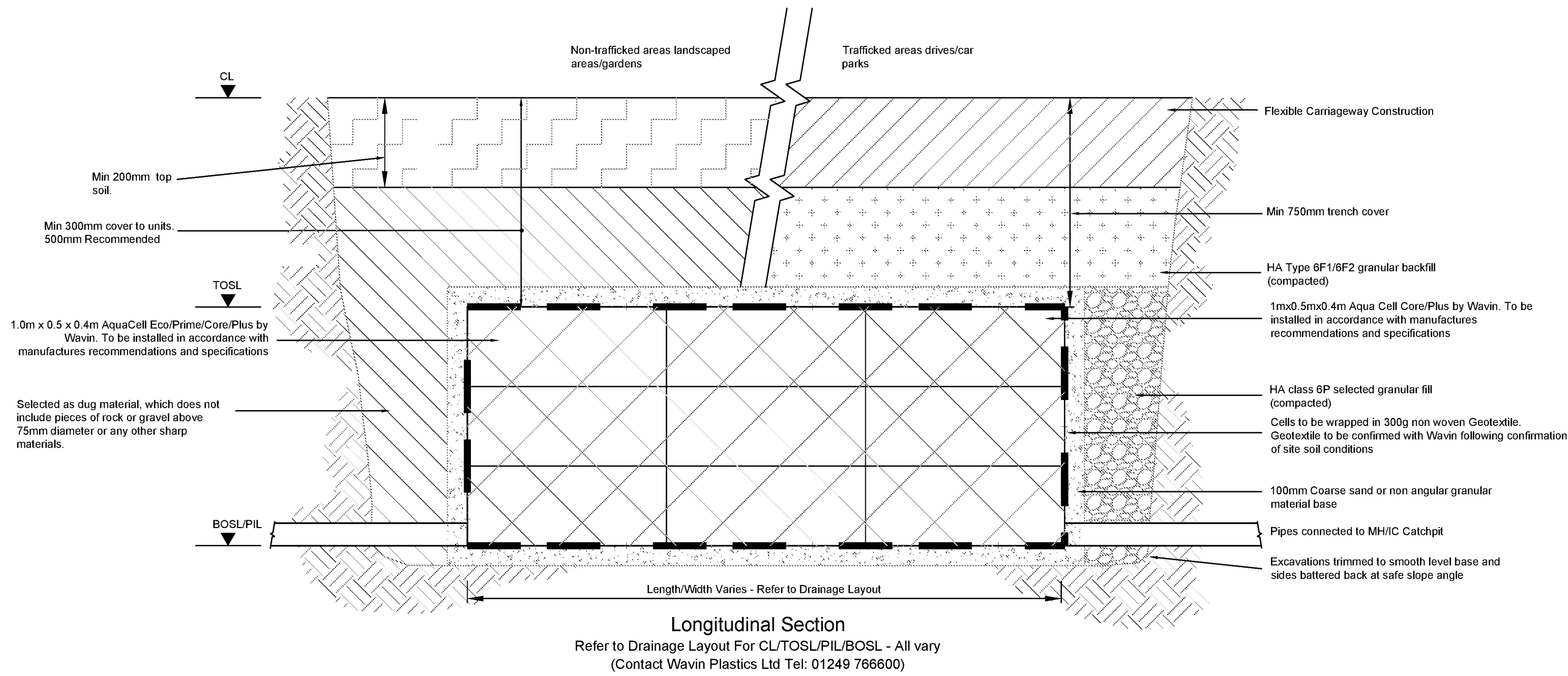
In the absence of a reply within the period stated, I shall assume that you have no observations to make.

The officer dealing with this application is Mrs A Gardner who can be contacted on telephone number 01903 737529.

Thanking you in anticipation

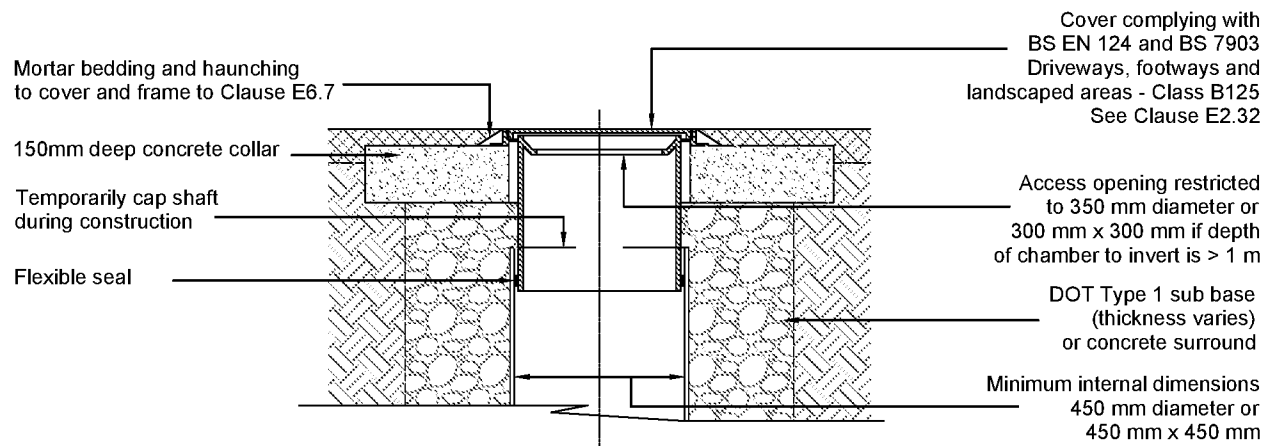
Planning Case Officer
Arun District Council

post_con_email

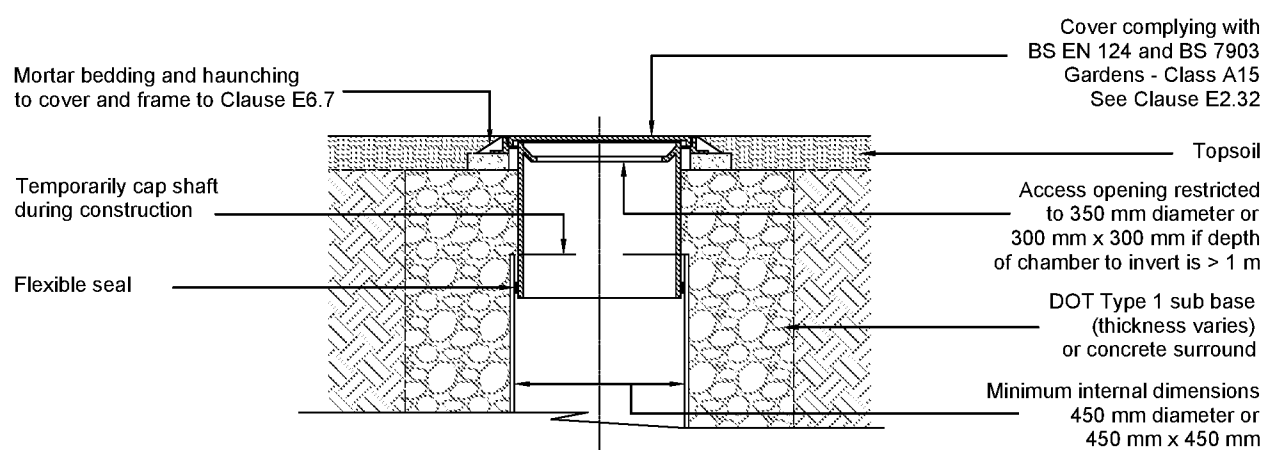


Note: Units have limited strength. Not to be overrun by construction traffic or goods stacked/stored on top of installed soakaway

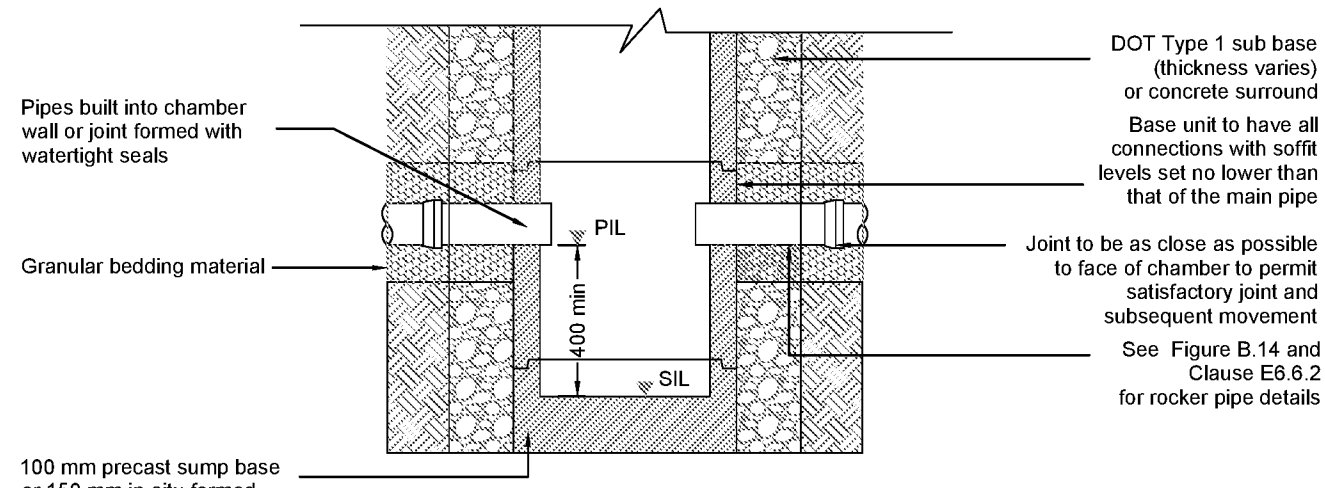
Typical Trench Soakaway Using Wavin Aquacells



Alternative Top Detail for Individual Dwelling Driveways, Footways and Landscaped Areas
Typical Inspection Chamber Detail - Type 3

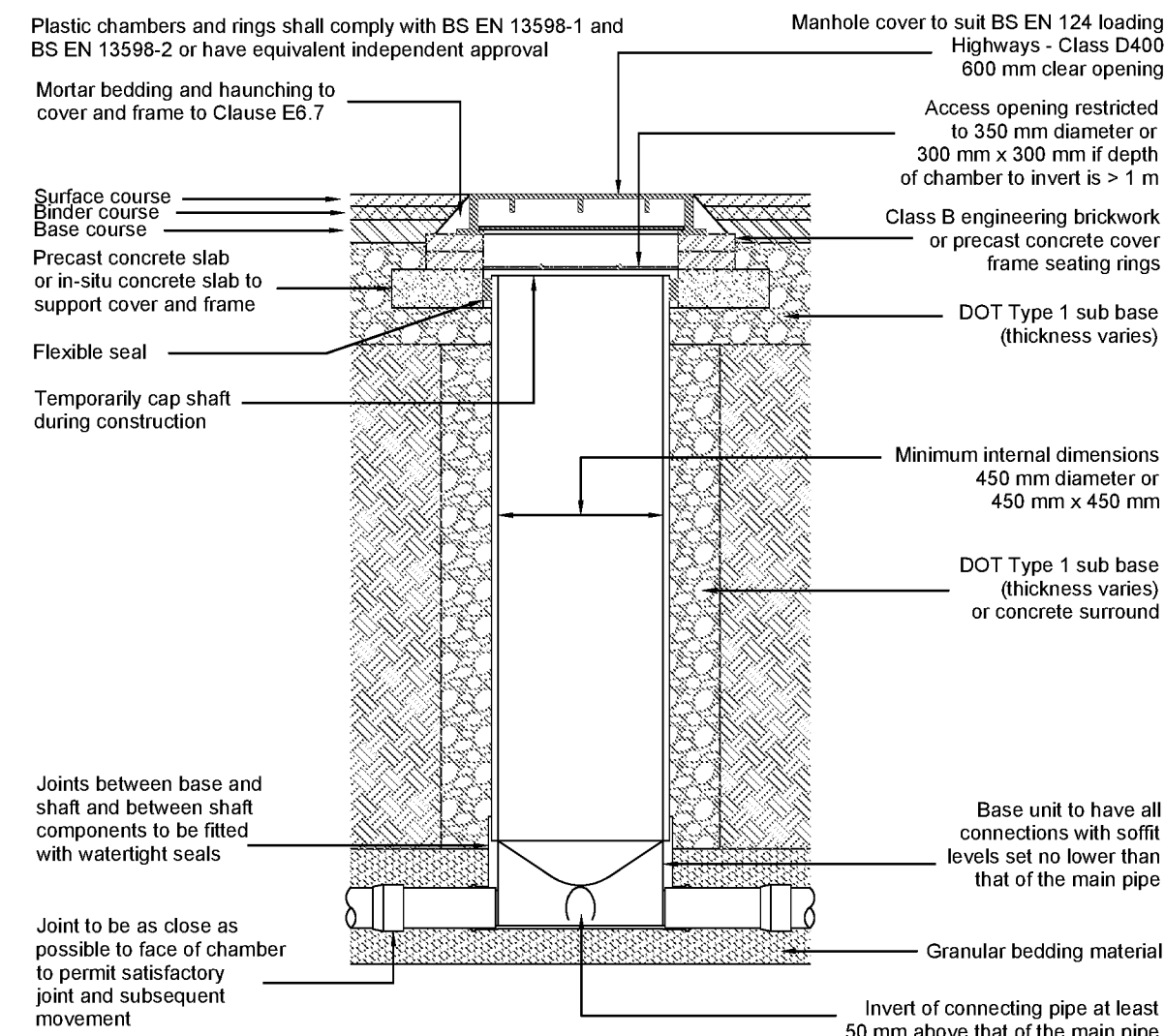


Alternative Top Detail for Domestic Garden Areas
Typical Inspection Chamber Detail - Type 3



(Note: Clause References are to SFA 7th Edition)
Maximum depth from cover level to soffit of pipe in areas subject to vehicle loading 3m, non-entry

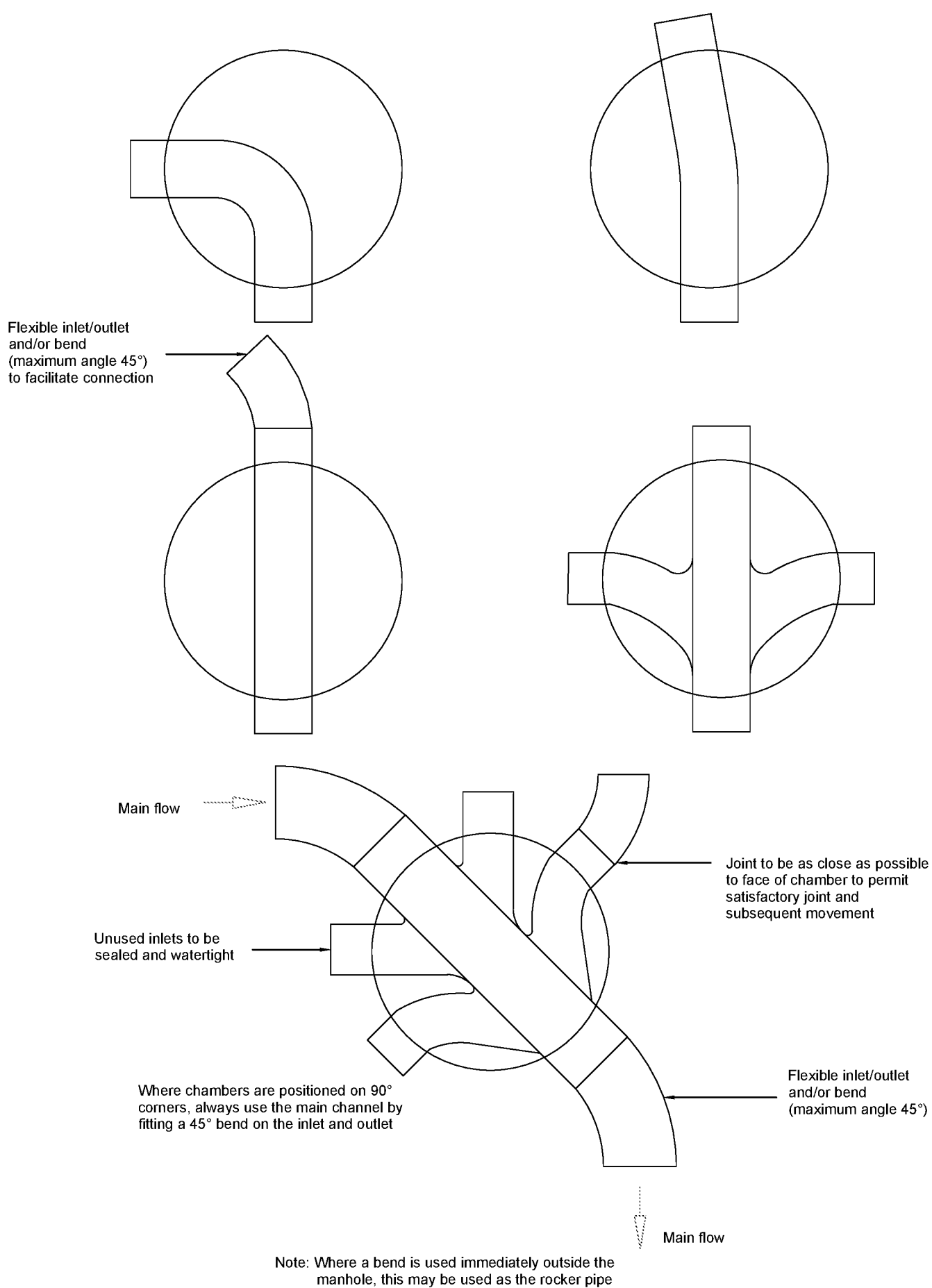
Typical Inspection Chamber Detail - Type 3 Catchpit Sump (Rigid material detail)



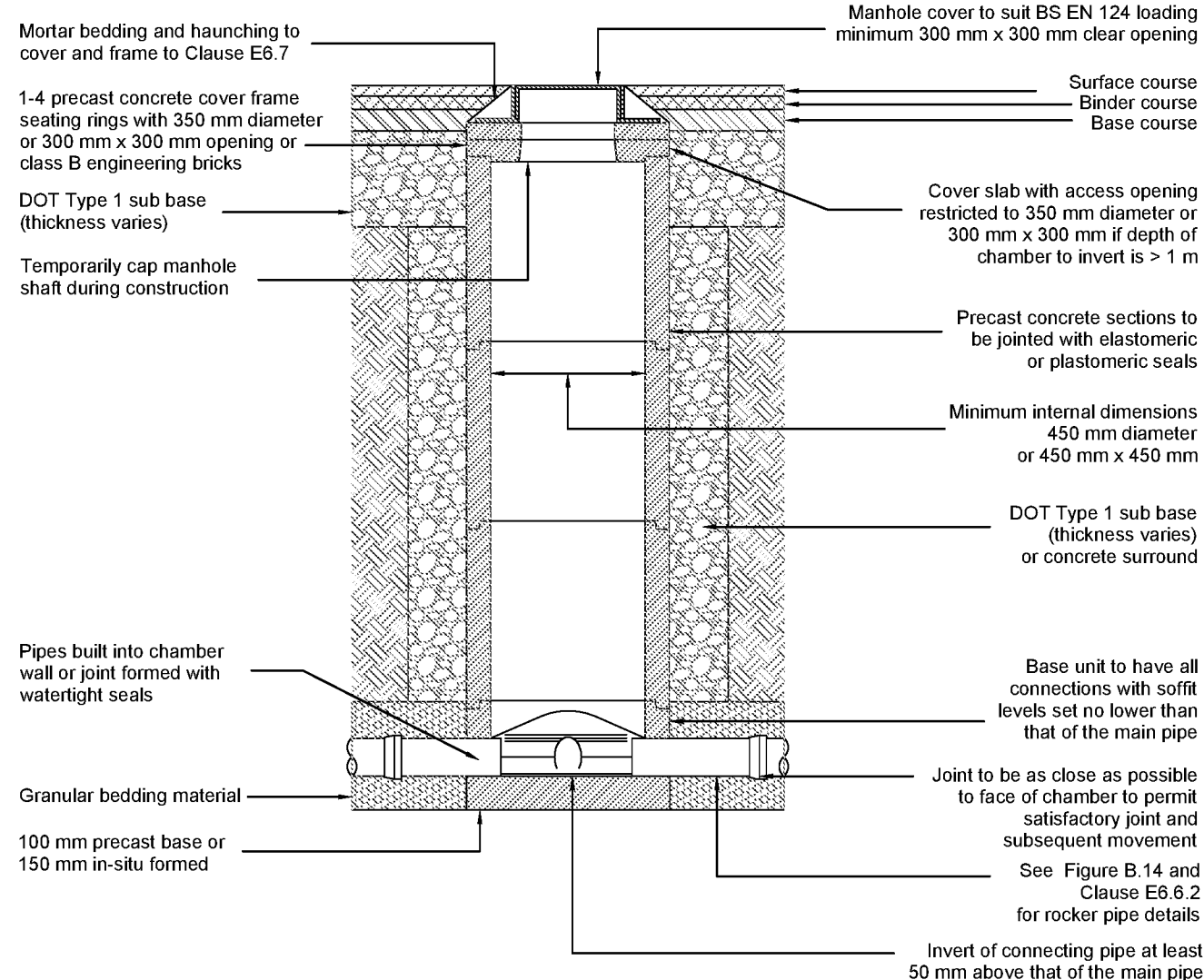
Note: Where the access chamber is in the highway the Highway Authority can have specific requirements

In accordance with SFA 7th Edition
(Note: Clause References are to SFA 7th Edition)
Maximum depth from cover level to soffit of pipe in areas subject to vehicle loading 3m, non-entry

Typical Inspection Chamber Detail - Type 3 (Flexible material detail)



Alternative base layouts for Type 3 Chambers

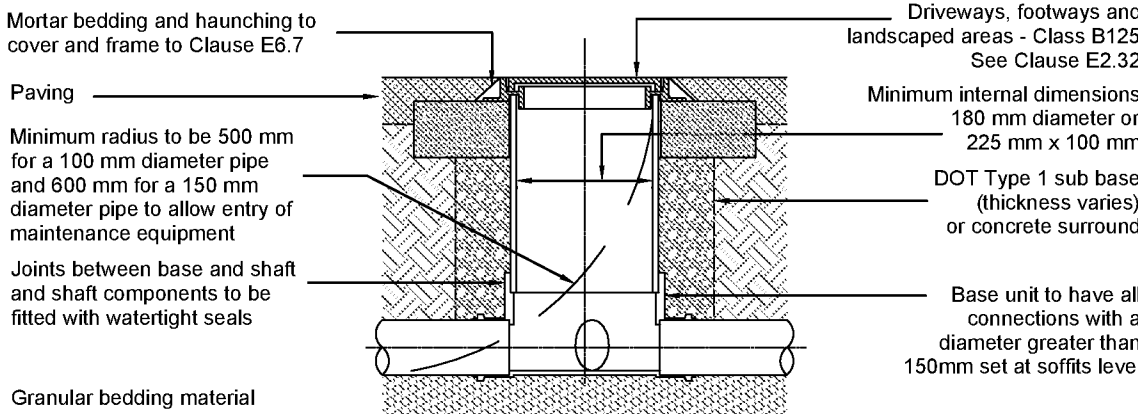


Note: Where the access chamber is in the highway the Highway Authority can have specific requirements

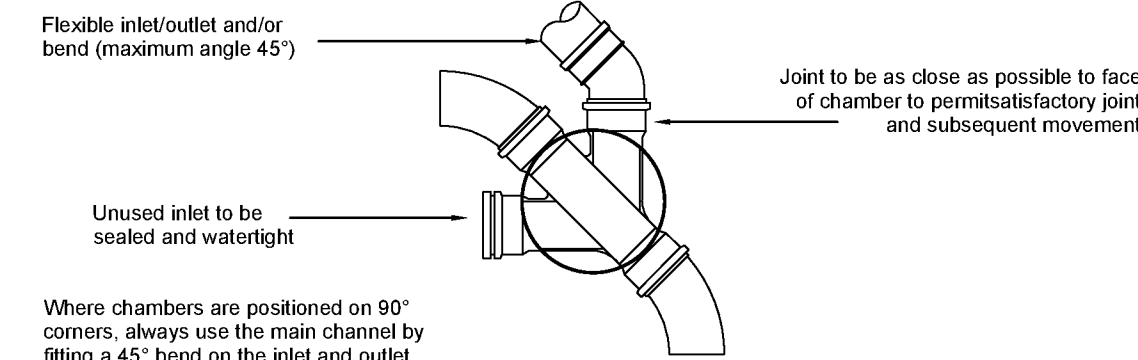
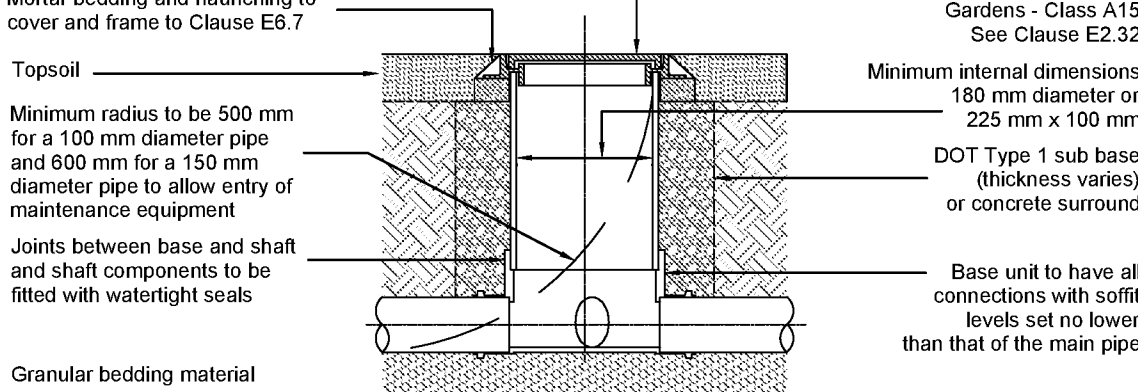
In accordance with SFA 7th Edition
(Note: Clause References are to SFA 7th Edition)
Maximum depth from cover level to soffit of pipe in areas subject to vehicle loading 3m, non-entry

Typical Inspection Chamber Detail - Type 3 (Rigid material detail)

Sited in private driveways/paved/landscaped areas



Sited in domestic gardens



Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval

Note: Where the access chamber is in the highway the Highway Authority can have specific requirements

In accordance with SFA 7th Edition
(Note: Clause References are to SFA 7th Edition)
Maximum depth from cover level to soffit of pipe 2m, non-entry

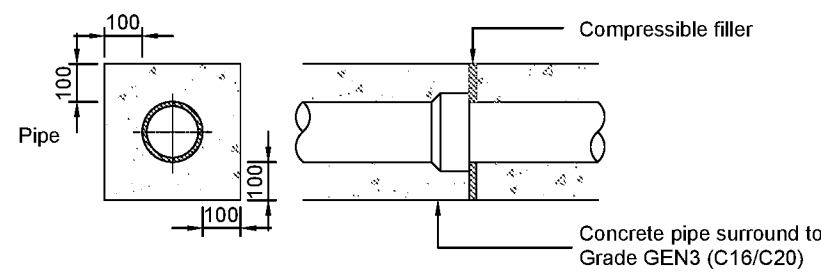
Typical Inspection Chamber Detail - Type 4 (flexible material detail) Scale 1:10

-	Issued For Approval	10/09/18
REV	DESCRIPTION	DATE

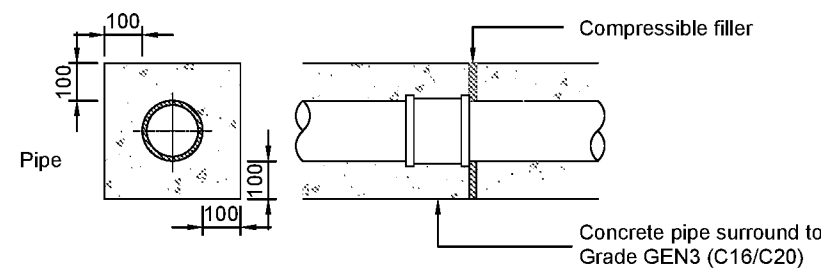
abmh
ABMH Civils Ltd
1 The Grove, Felpham, Bognor Regis, West Sussex PO22 7EY
Mark Mob: 07761 950000
Email: mark@abmh.co.uk / Web: www.abmh.co.uk

PROJECT	MIDDLETON HOUSE YAPTON ROAD MIDDLETON, WEST SUSSEX PO22 6DU
DRAWING	PROPOSED DRAINAGE DETAILS SHEET 1 OF 2
SCALE	1:10
DATE	SEPT 18
INITIAL	MH
REV	-
CHD	-

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Spigot and socket joint

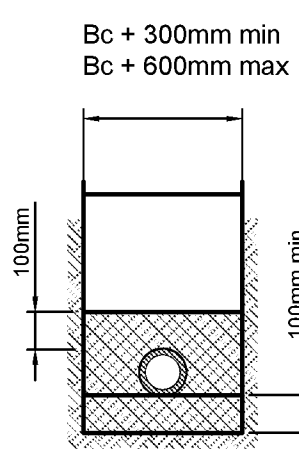


Sleeve joint

Nominal Diameter (mm) DN	Thickness of Compressible Filler (mm)
Less than 450	18
450 - 1200	36
Exceeding 1200	54

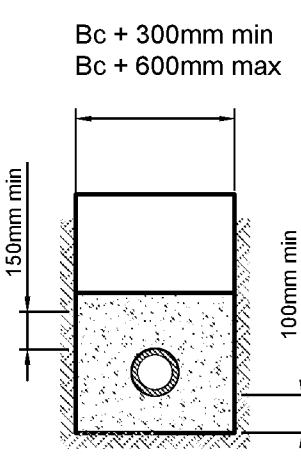
Compressible filler to pipes shall consist of bitumen-impregnated insulating board to BS EB 822-1 and BS EN 822-4.

In accordance with SFA 7th Edition
Joints for Concrete Encased Pipes



Class 'T'

Cover More Than 600mm Under Gardens
1200mm Under Roads

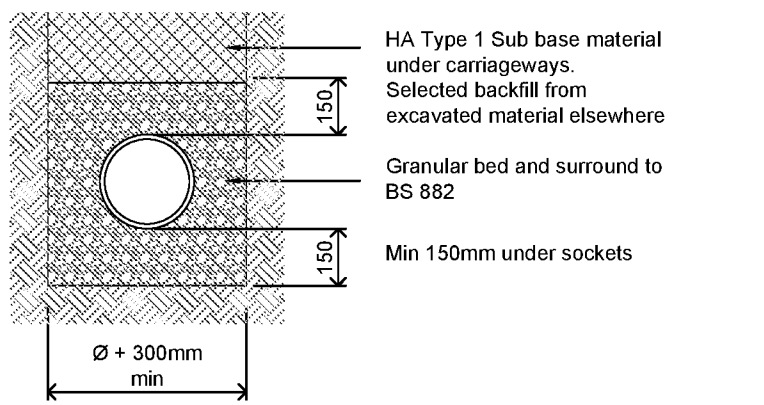


Class 'Z'

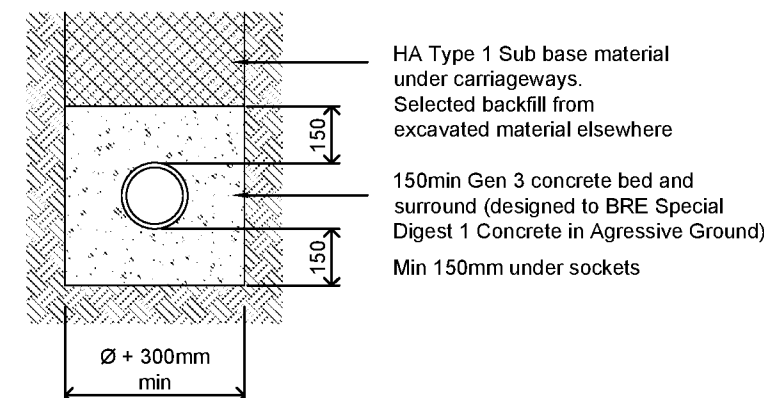
Cover Less Than 600mm Under Gardens
1200mm Under Roads

- Flexible Pipe
- Undisturbed Natural Soil
- 450mm wide Concrete Paving Slab to BS7263 or Concrete Garde ST4, sulphate resisting, to BS 5328:Part 2. Concrete to be monolithic with a minimum cube strength within 28 days of 20 MN/sq m or ground floor slab where applicable
- Graded or Single Sized Aggregate

Flexible Pipe Trench Bedding for Private Drainage

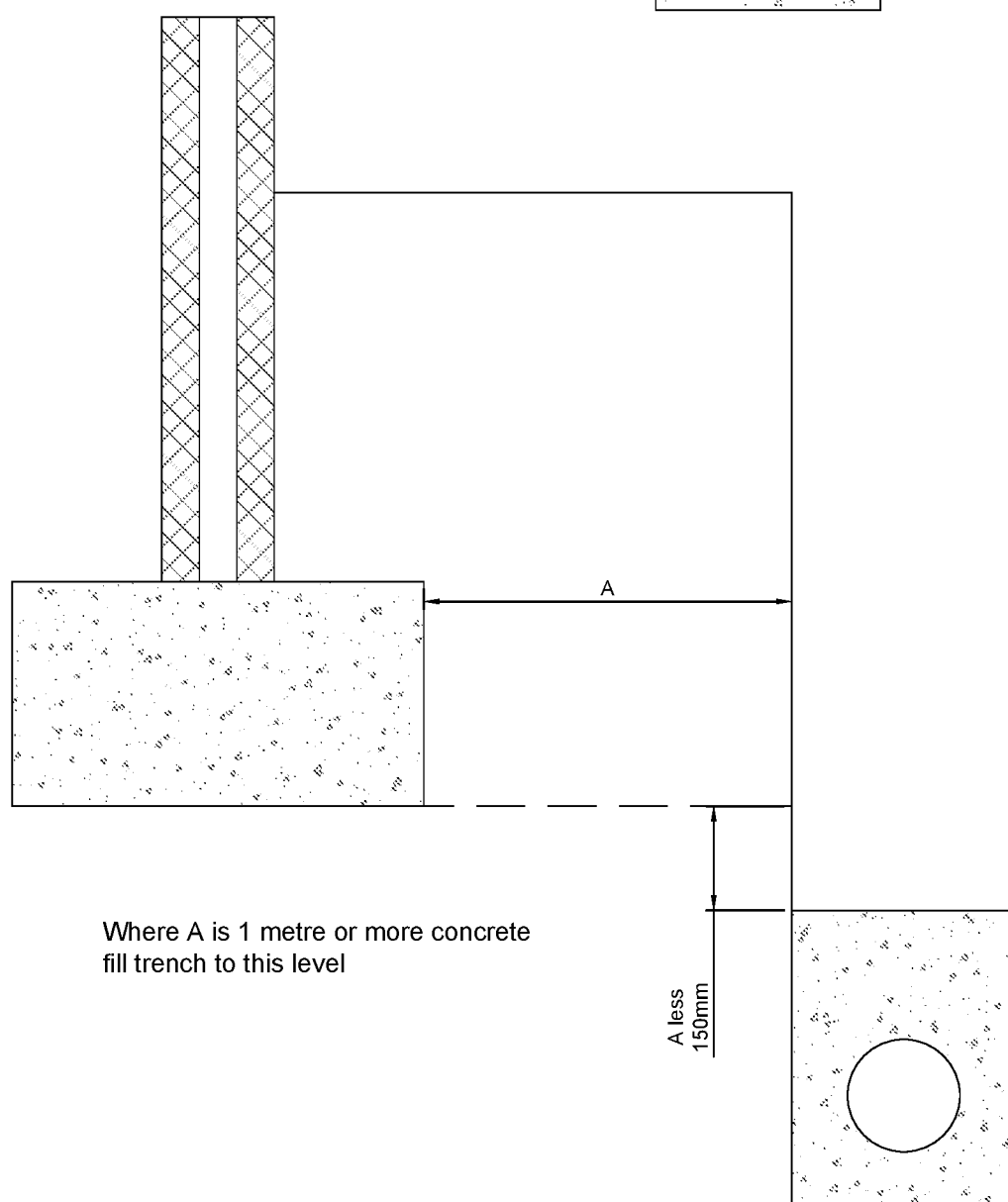
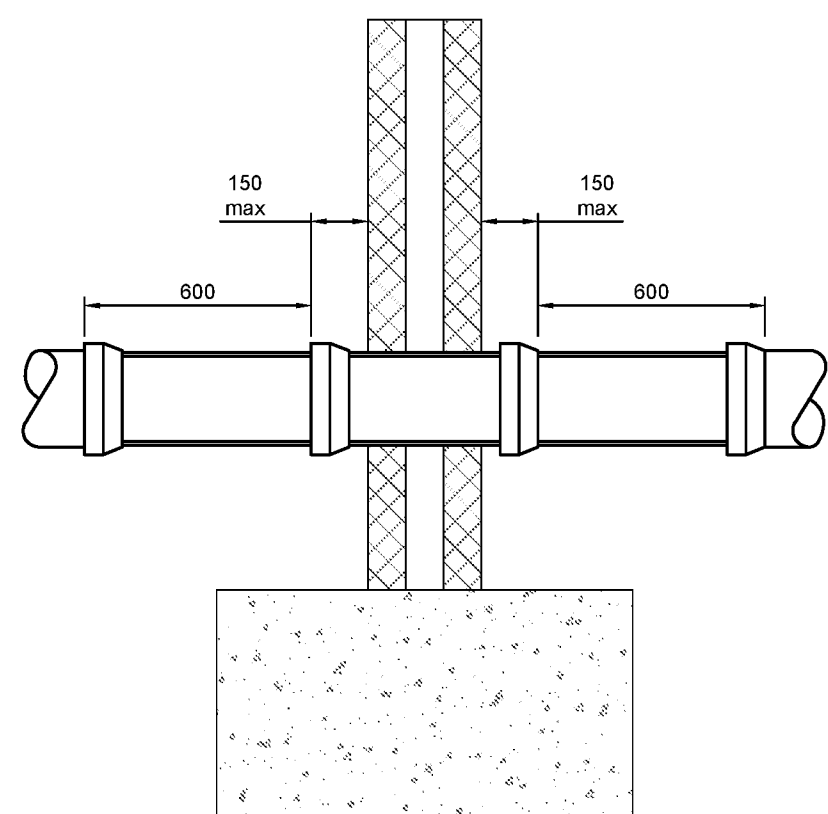
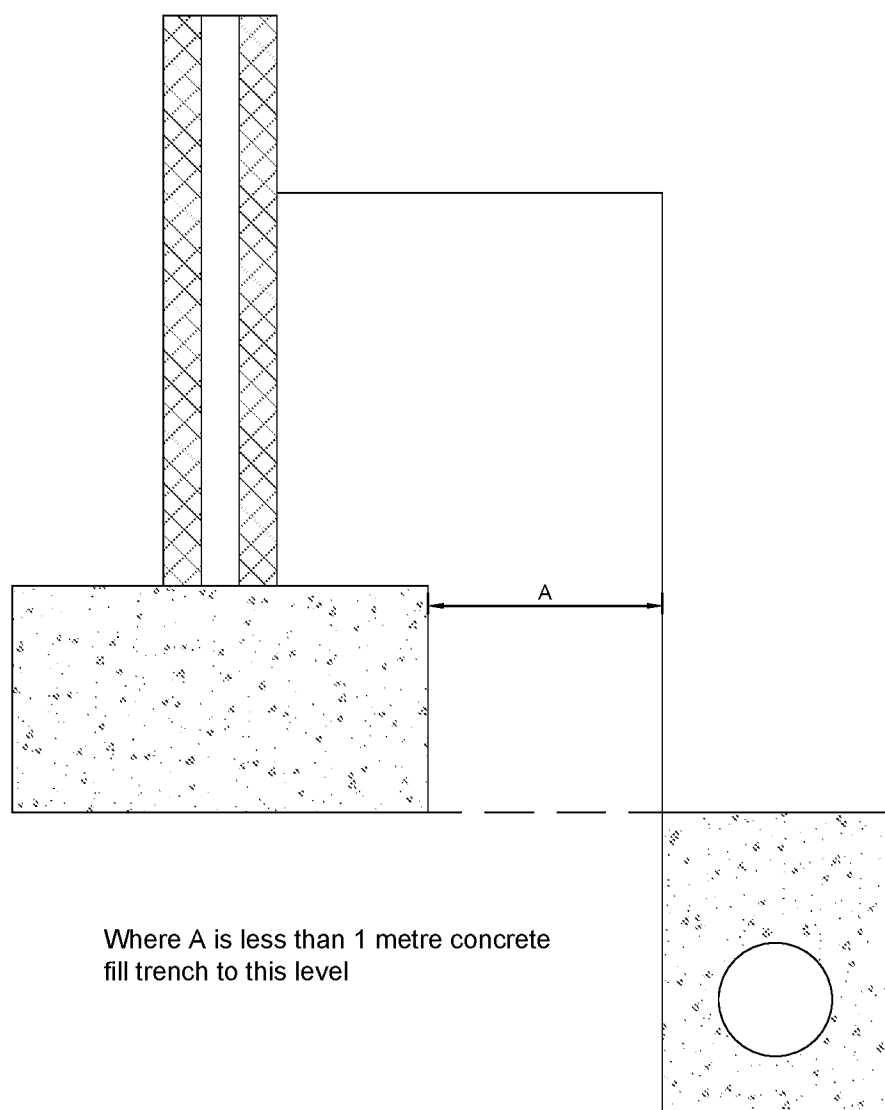


Drainage with more than 1.2m cover
Type 'S'

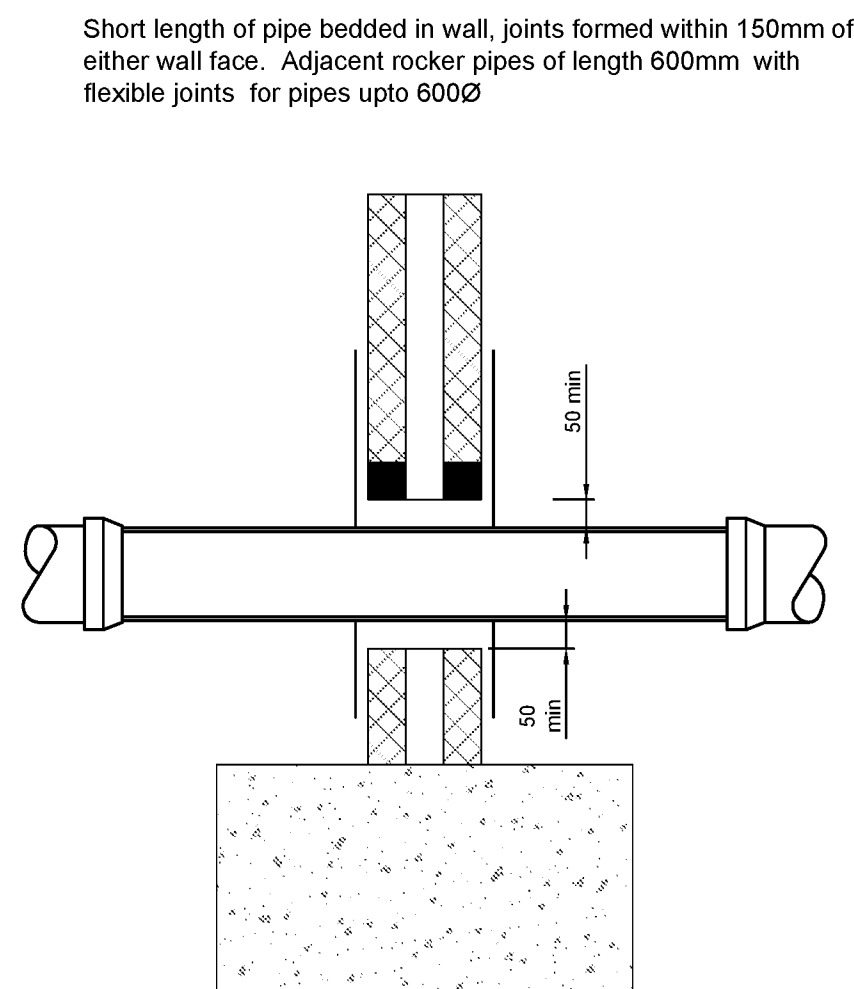


Drainage with less than 1.2m cover
Type 'Z'

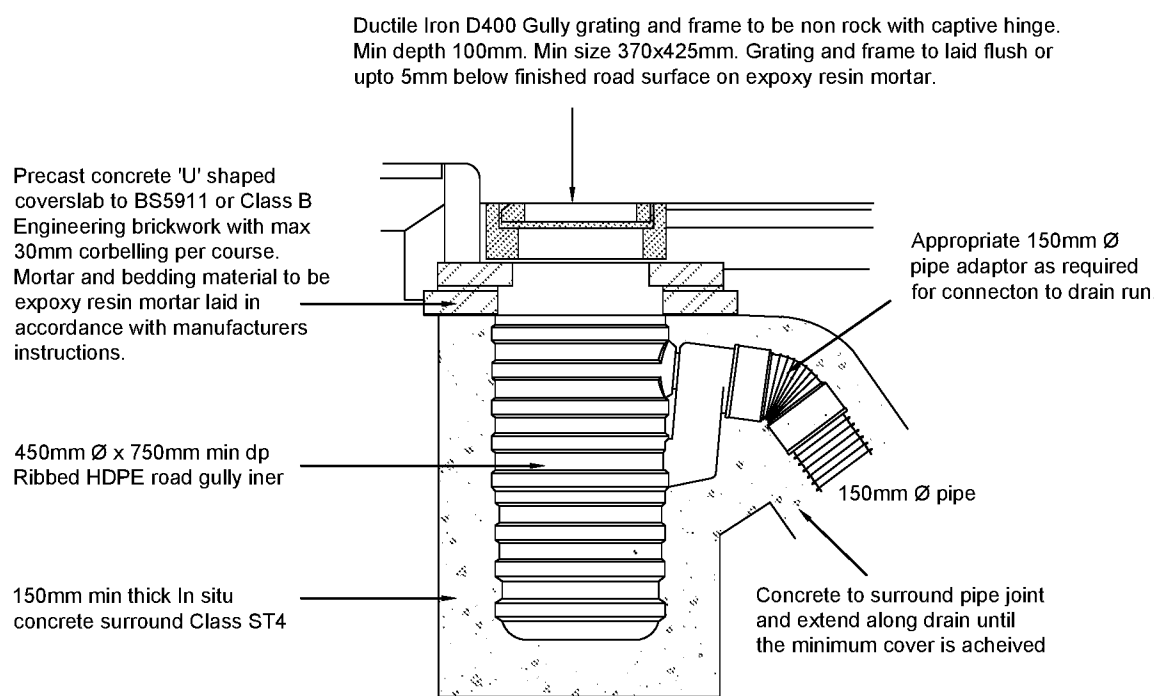
Adopted Pipe Bedding Detail



PIPE RUNS NEAR BUILDINGS

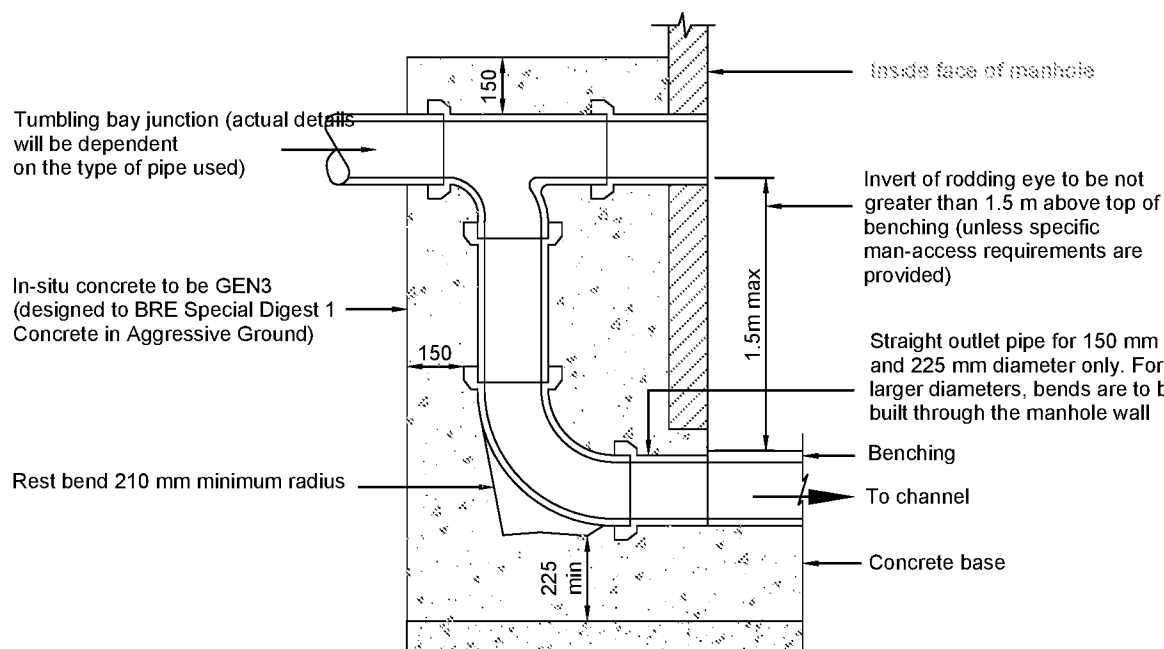


PIPE PENETRATING WALLS

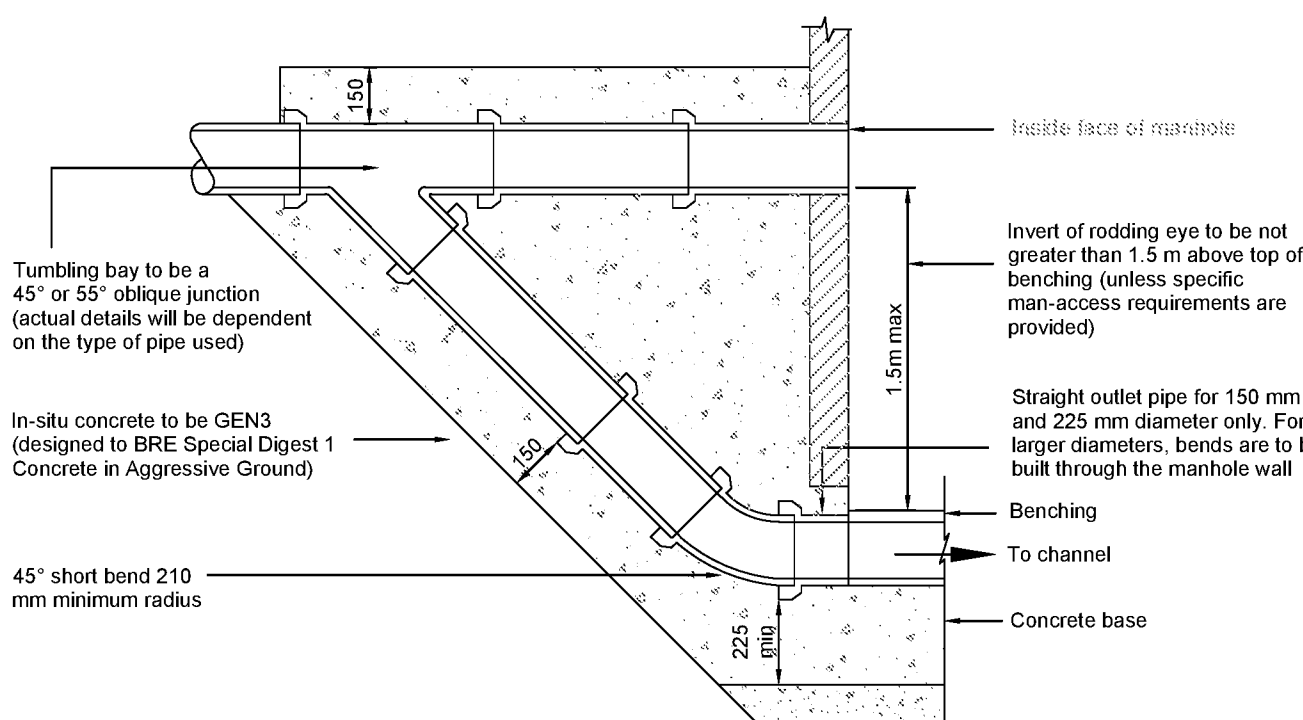


Ribbed HDPE Liner In situ Concrete Gully product indicated - equivalent approved permitted or Precast Concrete or Clay Gully permitted

Trapped Roddable Road Gully



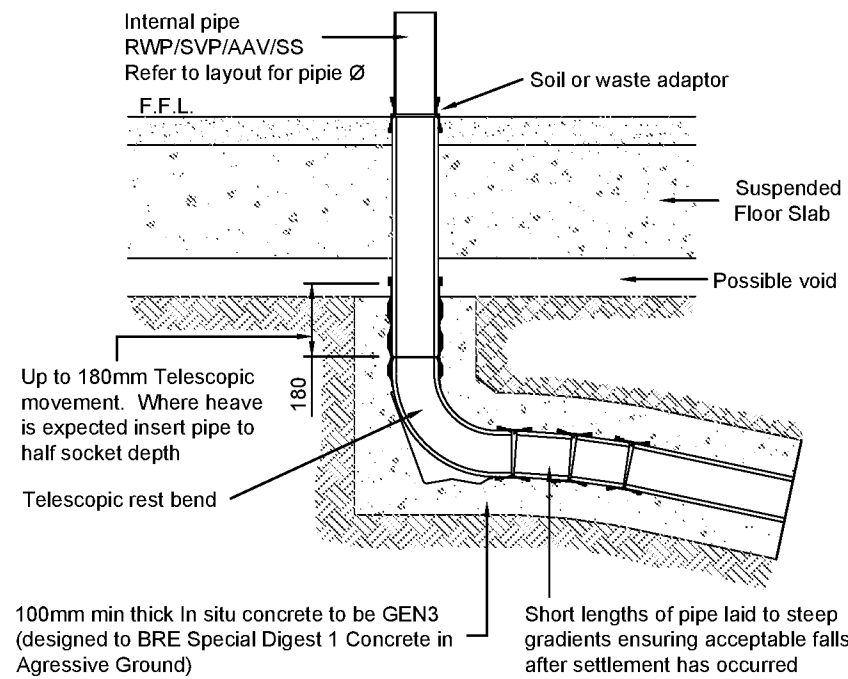
External Vertical Backdrop



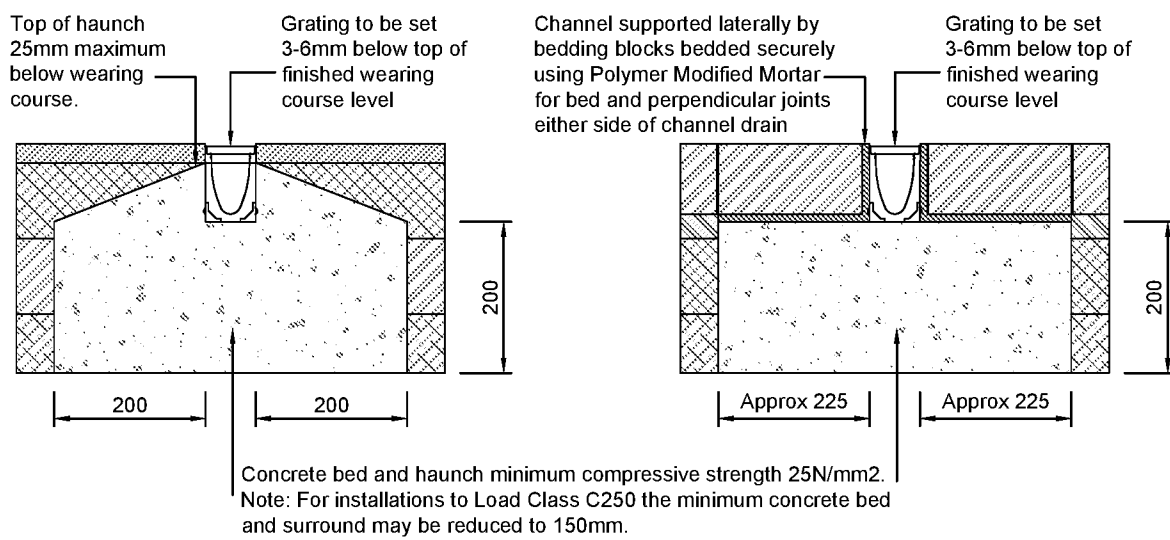
External Ramped Backdrop

In accordance with SFA 7th Edition
Note: Sleeper gradients are preferred to the use of backdrops.
Type of backdrop to be used to be agreed with Undertaker.

Typical Adoptable Vertical and Ramped Backdrop Detail



RWP/SVP/AAV/SS
Internal Connection

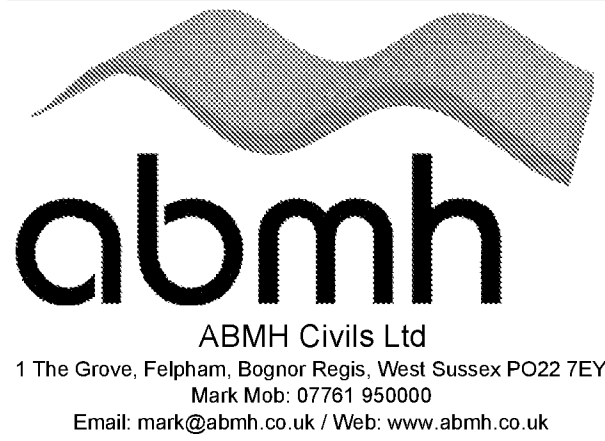


Asphalt Pavement

Block Pavement

Typical Channel Drain Detail
Scale 1:10

-	Issued For Approval	10/09/18
REV	DESCRIPTION	DATE



PROJECT	MIDDLETON HOUSE YAPTON ROAD MIDDLETON, WEST SUSSEX PO22 6DU
DRAWING	PROPOSED DRAINAGE DETAILS SHEET 2 OF 2
SCALE	FC2780/06
DATE	SEPT 18
INITIAL	MH
CHD	-
REV	-

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