

Pipe Bedding Constructional Details scale 1:20

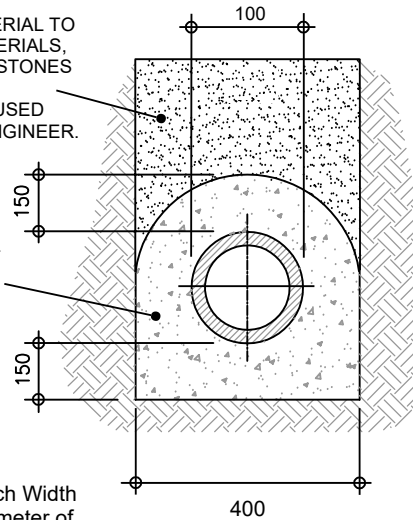
CONCRETE SURROUND (CLASS Z)

TO BE USED WHERE COVER TO CROWN OF PIPE
IS LESS THAN 1200mm IN VEHICULAR AREAS
OR LESS THAN 900mm ELSEWHERE.

SELECTED EXCAVATED MATERIAL TO BE FREE FROM FROZEN MATERIALS, NON-ORGANIC MATTER AND STONES GREATER THAN 40mm. CLASS 6F1 MATERIAL TO BE USED WHERE DIRECTED BY THE ENGINEER

PLAIN CONCRETE CLASS ST4
TO BE SEPARATED AT EACH
JOINT WITH AN APPROVED
COMPRESSIBLE MATERIAL.

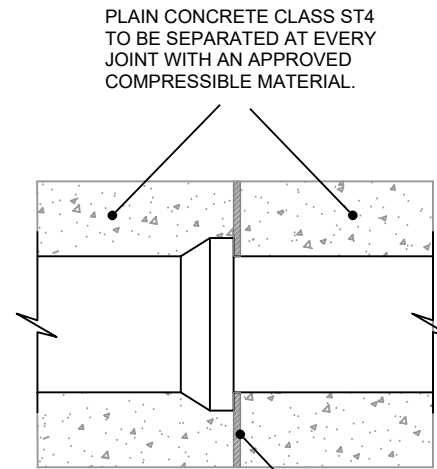
Minimum Trench Width to be Pipe Diameter + 100mm plus 300mm.



PIPE SURROUND EXPANSION JOINT DETAIL
(TO BE USED IN CONJUNCTION WITH CLASS Z)

PLAIN CONCRETE CLASS ST.
TO BE SEPARATED AT EVERY
JOINT WITH AN APPROVED
COMPRESSIBLE MATERIAL.

APPROVED 18mm THICK
COMPRESSIBLE BOARD TO BE
USED AT EVERY PIPE JOINT.



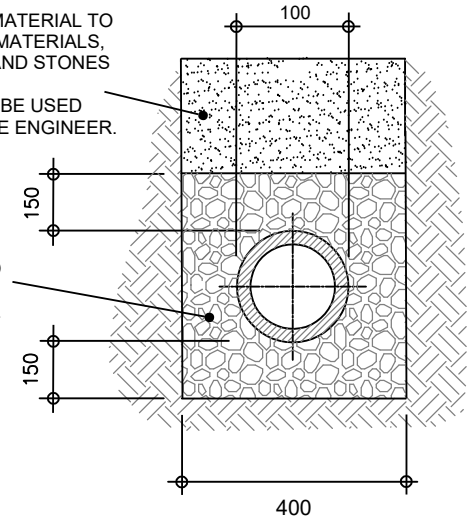
GRANULAR SURROUND (CLASS S)

TO BE USED WHERE COVER TO CROWN OF PIPE
IS GREATER THAN 1200mm IN VEHICULAR AREAS
OR GREATER THAN 900mm ELSEWHERE.

SELECTED EXCAVATED MATERIAL TO BE FREE FROM FROZEN MATERIALS, NON-ORGANIC MATTER AND STONES GREATER THAN 40mm.
CLASS 6F1 MATERIAL TO BE USED WHERE DIRECTED BY THE ENGINEER

FOR 100mm PIPES THE
GRANULAR BEDDING AND
SURROUND MATERIAL TO
BE OF SINGLE SIZE 10mm

Minimum Trench Width
to be Pipe Diameter of
100mm plus 300mm.



Typical Silt Trap Inspection Chamber
(for use in soft landscaped areas and footways)

Diagram illustrating the components and specifications of a manhole assembly:

- A15 manhole cover and frame to BS EN 124
- 150mm thick concrete collar
- Flexible seal
- Access restricted to 350mm diameter if depth of chamber exceeds 1000mm to invert.
- single size granular material to BS 882
- 420 / 450 (height dimension)
- 460mm diam polypropylene /
- 600mm diam. plastic chamber units to BS EN 13398
- 150mm GEN3 concrete base

Typical Geocellular soakaway Unit (for use in soft landscaped areas)

Selected excavated material as backfill

110 incoming pipework with suitable adaptor to 160 socket in geocell

Non-woven geotextile wraps

Topsoil typically 200

Thickness suitable for protection of geocells from planting/fencing damage - typically 200

100

Varies

Varies

100

Coarse sand bed and surround or as geocell manufacturer's recommendations

100

Varies

Total Cover could be less if groundwater levels are high - refer to drainage layout drawing

Typically 400 minimum

Surface Water Chamber & Soakaway Constructional Details scale 1:25

Mate GeoTechnic Services

01	Original	RC	26-4-21
Rev.	Description	Drn.	Date

Project
Proposed New Rear Extension
“Wayside” Yapton Road
Barnham
Bognor Regis
PO22 0BA

Client	Mr S. & Mrs K. Hynd
Drawing Title	Constructional Details

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Scale	As Shown	Drawing Original	A3
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Drawing
Number

MGS -- BN/23/21-rev01