

Pipe Bedding and Constructional Details scale 1:10

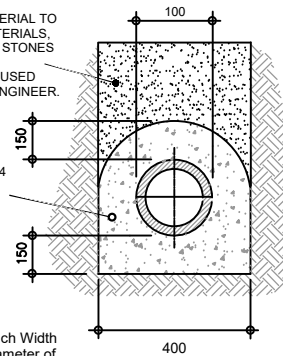
CONCRETE SURROUND (CLASS Z)

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.

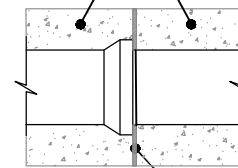
PLAIN CONCRETE CLASS S
TO BE SEPARATED AT EACH
JOINT WITH AN APPROVED
COMPRESSIBLE MATERIAL

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



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

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



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

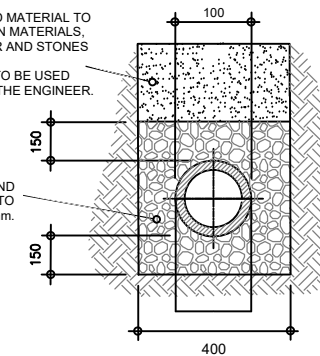
GRANULAR SURROUND (CLASS S)

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.

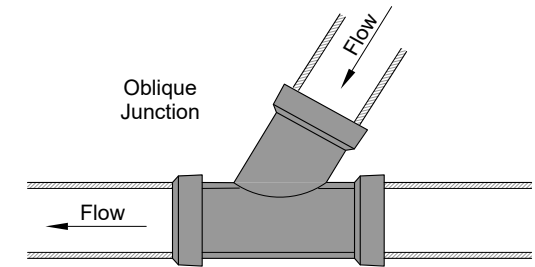
FOR 100mm PIPES THE
GRANULAR BEDDING AND
SURROUND MATERIAL TO
BE OF SINGLE SIZE 10mm.

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



Connection to Same Size Diameter Pipe

Scale 1:10



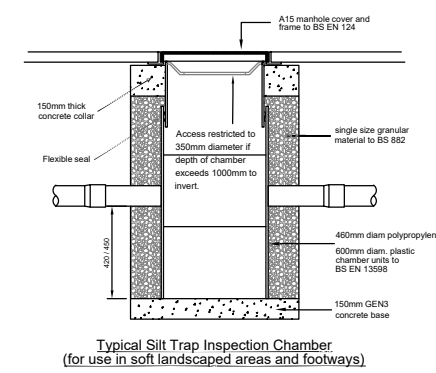
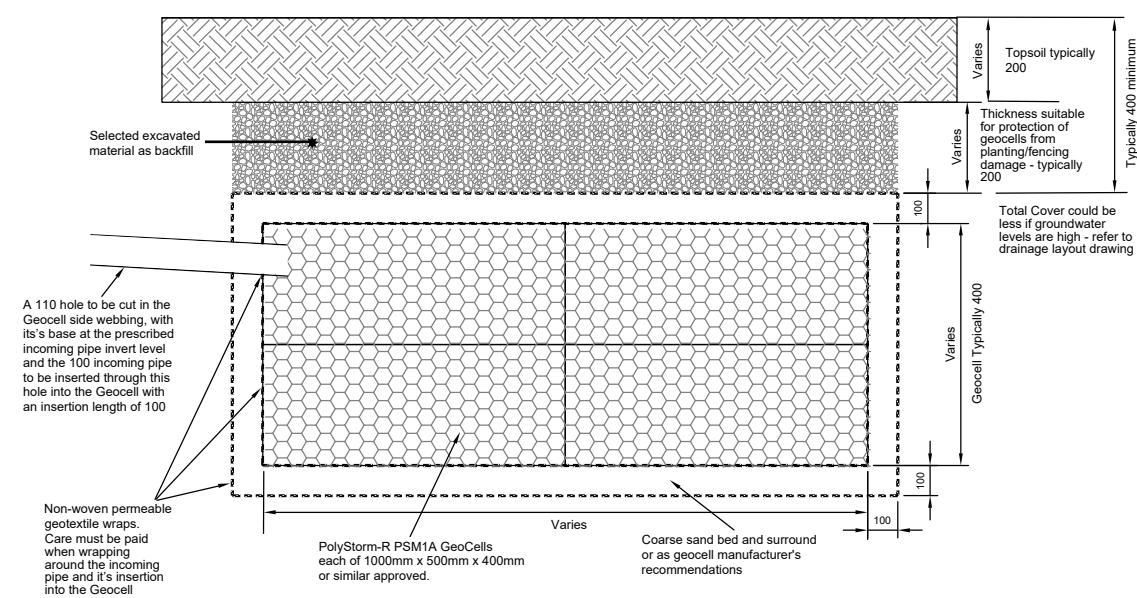
Connections of pipes of the same diameter must be made using preformed junctions at greater than 90 deg to the main flow.

Connections between new pipes shall be made using preformed junctions. Saddles are not permitted to connect new pipelines.

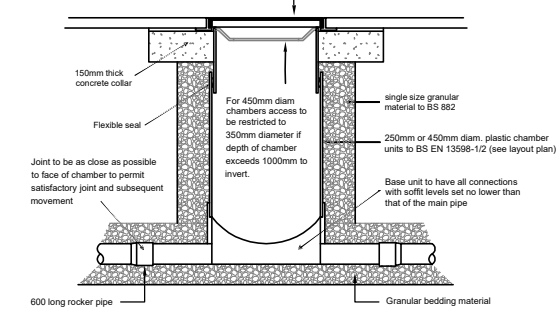
Soakaway Level and Depth Details

Soakaway Detail	Soakaway Level Data	
Soakaway ID	S/A#1 (rear)	S/A#2 (front)
Ground Level	4.970	4.665
Soffit Level	4.470	4.265
Pipe Invert Level	4.306	4.165
Base Level	4.070	3.865
Structure Depth	400mm	400mm
All Levels to AOD unless specified		

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



Typical Access Inspection Chamber -- Type 4
(for use in soft landscaped areas and footways)



Mate GeoTechnic Services

03	Drainage Engineers Comments	RC	21-06-22
02	Final	RC	02-04-22
01	Original	RC	05-03-22
Rev.	Description	Drn.	Date

Project	Proposed :- Two Storey Rear Extension and Other Works. “Briarfield” Ancton Lane Middleton-on-Sea PO22 6NL
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Client	Mr David Cook & Ms Charlotte Carter
Drawing Title	Constructional Details

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Scale	As Shown	Drawing Original	A2
Drawing Number	MGS -- M/141/21 -- rev03		

Surface Water Chamber & Soakaway
Constructional Details scale 1:25