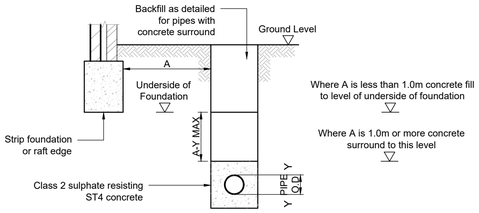
2022 Mason Navarro Pledge

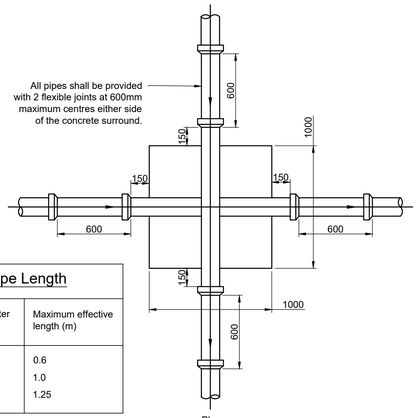


Pipe Runs Near Buildings
(Scale 1:25)

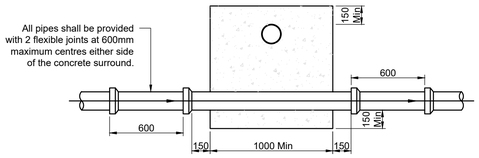
PIPE Ø (mm)	Y minimum		MAXIMUM TRENCH WIDTH	L
	Y1 min	Y2 min		
150	100	200	750	18
225	100	200	825	18
300	100	200	925	18
375	100	200	1090	18
450	150	200	1175	36
525	150	250	1270	36
600	150	250	1370	36
675	150	250	1420	36
750	225	300	1500	36
825	225	300	1585	36

Dimensions for Pipe Bedding

Flexible joints shall be provided in concrete, by inserting compressible board at intervals not exceeding 5000mm precut to diameter, height and width equal to the concrete cross section.
Refer to dimensions for pipe bedding tables for thickness of filler.
For values of y refer to dimensions for pipe bedding tables



Plan

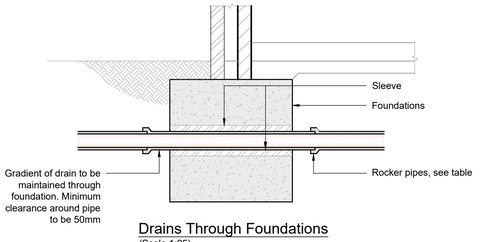


Section

Rocker Pipe Length	
Nominal diameter of pipe (mm)	Maximum effective length (m)
150 TO 600	0.6
675 TO 750	1.0
OVER 750	1.25

Concrete surround shall be provided where the distance between the soffit of the lower drain and the barrel of the highest drain is less than 300mm

Pipe to Pipe Crossover
(Scale 1:25)



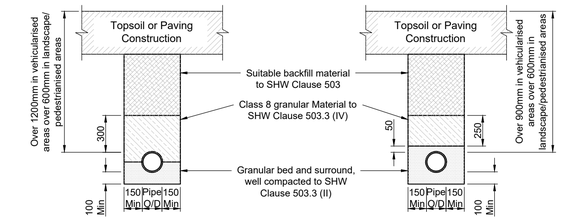
Drains Through Foundations
(Scale 1:25)

Rocker Pipe Length (mm)	Pipe Diameter (mm)
600	150 - 600
1000	675 - 750
1250	> 750

Drain sleeve/duct to be located wholly within the middle third of the foundation depth. Engineer is to be advised if this is not possible. In normal soil conditions the sleeve/duct is to give a 50mm clearance all round the outside of the drain pipe (this may be achieved by lightly packing the space with compressible filler material) maximum sleeve size to be 300mm without reference to the Engineer.

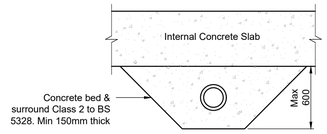
or

Sleeve/duct is to give a 50mm clearance all round the outside of the drain pipe (this may be achieved by lightly packing the space with compressible filler material) maximum sleeve size to be 300mm without reference to the Engineer.



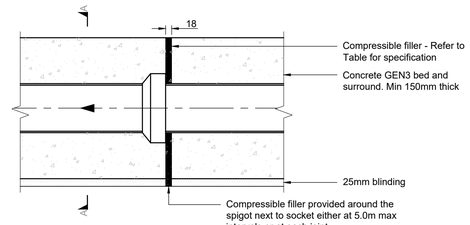
Bedding beneath and at the sides of the pipe to be well compacted the first 300mm of fill above the crown of the pipe is to be lightly tamped by hand. Mechanical compaction may be used only above this level. geotextiles may be used where directed or approved by the engineer to contain bedding material in certain soils e.g. running sand in very wet conditions, where directed or approved by the engineer a temporary land drain may be laid within the granular bed.

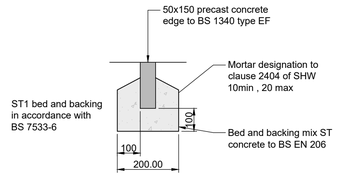
Pipe Bedding Details
(Scale 1:25)



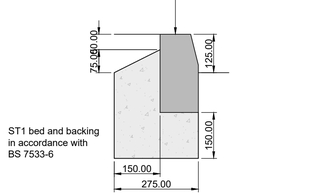
Note
Any pipe beyond max depth, refer to pipe bedding details Class B & T

Pipe Bedding Under Slab
(Scale 1:25)

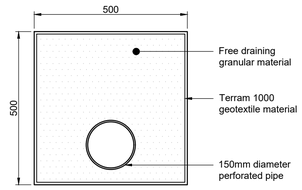




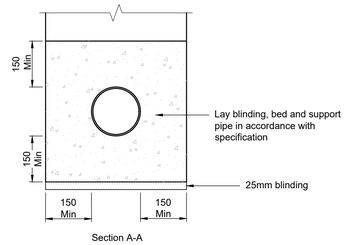
Kerb Detail - EF
(Scale 1:10)



Kerb Detail - HB2
(Scale 1 :10)

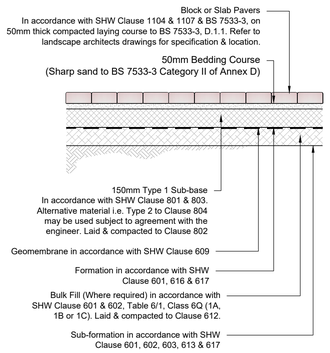


French Drain Detail
(Scale 1:10)

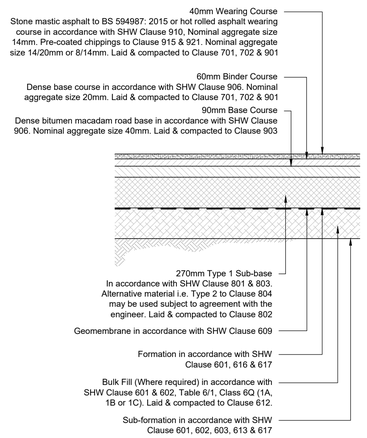


Section A-A

Pipe Bedding Class Z
(Scale 1:10)



Pedestrian Block Paving
(Scale 1:25)



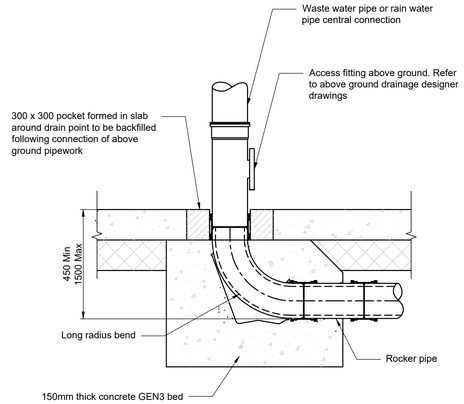
Heavy Duty Vehicular Road
(Scale 1:25)

Pavement Thickness			
CBR%	Sub-base (mm)	Sub-base + Capping (mm)	MPa
2.5	420	250 + 420	32
3	370	230 + 370	36
4	310	220 + 320	43
5	270	200 + 250	49
7	250	170 + 230	61
10	220	150 + 200	77
12	215	150 + 180	86
15	200	150 + 150	100

Note
This Table is based on CD 225 - Design for new pavement foundations (Formerly IAN 73/06 Revision 1 (2009) HD 25/94) Revision 1 (2020)

Note
Details shown on this drawing are based on a minimum subgrade CBR Value of 5%

Note
Capping to be adjusted to suit CBR Values. See Table above, if in doubt contact the Engineer.



Below Ground Pipe Connection Detail
(Scale 1:10)

General
1.1 This drawing is to be read in conjunction with all Architect's, Engineer's and Services Engineer's drawings and specifications.
1.2 Do not scale from any of the structural drawings. All dimensions to be verified on site and any discrepancies should be highlighted.
1.3 The contractor is responsible for the stability of the building and adjoining structures during construction and shall design, install, adapt and maintain all necessary propping and temporary works. A method statement for the temporary works must be submitted to the contractor
administrator for comment before work begins.
1.4 All materials to comply with the relevant British Standard.

FC01 Final Construction 23.07.2255 RJ
REV COMMENTS DATE CHK

STATUS
FINAL CONSTRUCTION

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CLIENT
TTSP

PROJECT
KS DC Manchester

DRAWING TITLE
Site Wide Typical Drainage Details Sheet 3

SCALE @ A1	DRAWN BY	DATE
1:25	AGD	July 2023

MNP No. STATUS CODE REV
223169 **FC01**

Ref No.
170188-MNP-ZZ-XX-DR-C-2802