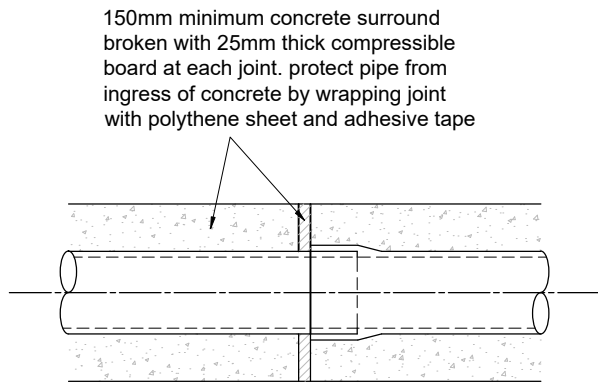
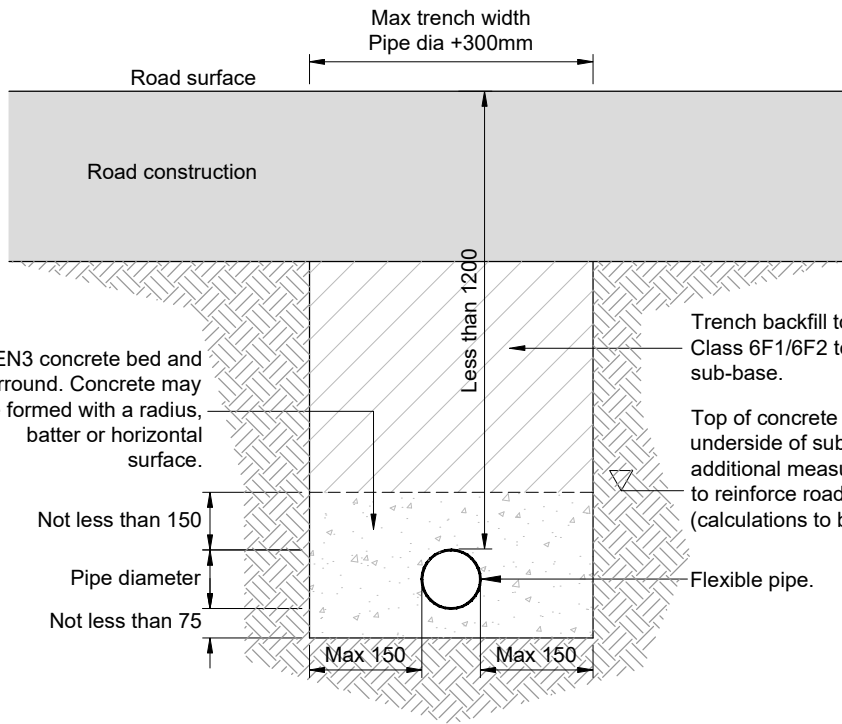
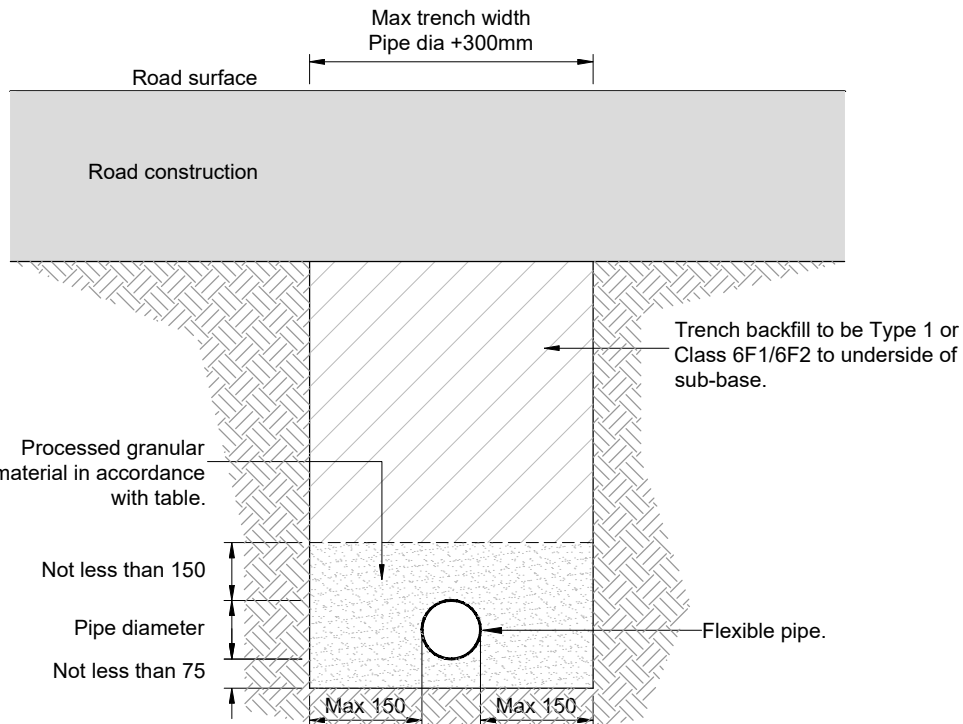


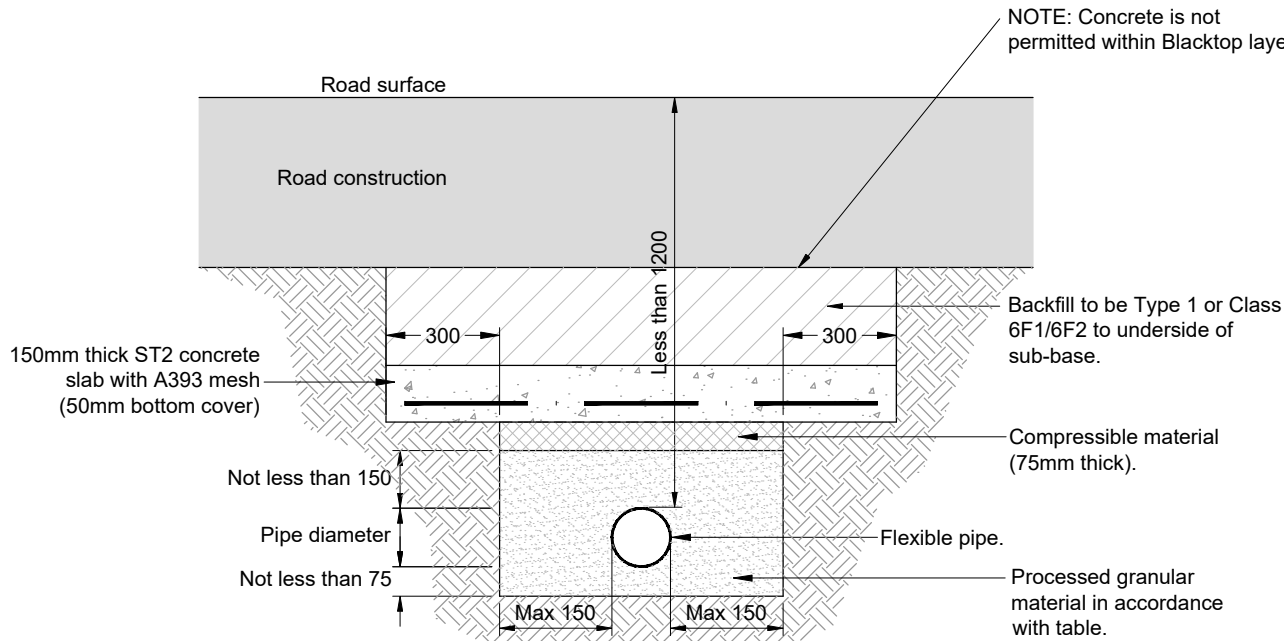


CONCRETE PIPE BEDDING AND SURROUND
TYPE Z
(Depth of cover to pipe less than 1.2m)

- NOTES
- Do not scale from this drawing.
 - Openings in existing highways shall be reinstated in accordance with the current version of Specification for Reinstatement of Openings in Highways published by HAUC.
 - Refer to drawing 11 for pipe selection.



GRANULAR PIPE BEDDING AND SURROUND
TYPE S
(Minimum depth of cover to pipe 1.2m)



CONCRETE SLAB PIPE PROTECTION
(Depth of cover to pipe less than 1.2m
and/or
Where top of concrete would encroach into the road construction sub-base layer)

TABLE 1.

Internal pipe dia (mm)	Bedding Material Size (mm)
150	10 or 14 nominal single size or 14 to 5 graded
Over 150 to 300	10, 14 or 20 nominal single size or 14 to 5 graded or 20 to 5 graded
Over 300 to 550	14 or 20 nominal single size or 14 to 5 graded or 20 to 5 graded
550 to 900	14 , 20 or 40 nominal single size or 14 to 5 graded or 20 to 5 graded or 40 to 5 graded
Over 900	STRUCTURES Pipes with a diameter of 0.9m or greater are classified as a structure and will be subject to review by the WSCC structures team.

To include aggregates to BS 882, air cooled blastfurnace slag, to BS1047 and lightweight aggregates to BS 3797 (Air cooled blastfurnace slag and lightweight aggregates not permitted for ductile iron pipes), recycled materials to BS8500-2.

Maximum CF value 0.15

For ferrous and cementitious pipeline materials sulphate content of bedding material must not be greater than 0.3% as sulphur trioxide.

Where drainage is installed in Filled ground the designer shall ensure measures are taken to control settlement.

Where drainage is installed in contaminated ground the designer shall provided specific details to be agreed with WSCC.

Where drainage is installed in soft ground the designer shall ensure measures are taken to prevent migration of pipe bedding material in to the surrounding soil and vice versa.

Refer to Manual for Contract Documents for Highways Volume 3 - Highway Construction Details for pipelines installed under A roads

A	General update	MJA	MJA	15.03.19
-	Initial Issue	DLS	MJA	07.11.17
Rev	Revision details	Chkd	Appd	Date
Drawn:	LDF		For comment	
Chkd:			For tender	
Appd:			For construction	
Date:			As constructed	
File ref:				
IWP Ref:				

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Infrastructure Group
County Hall,
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Chichester
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PO19 1RH
(01243) 642105



Project Name
Section 278/38 Highway Agreement
Standard Details

Drawing Title
Drainage
Pipe Bedding Details



Original Drawing Size :	A3
Scale : As Shown	Dimensions :
Drawing No. S278/38/33	Rev A