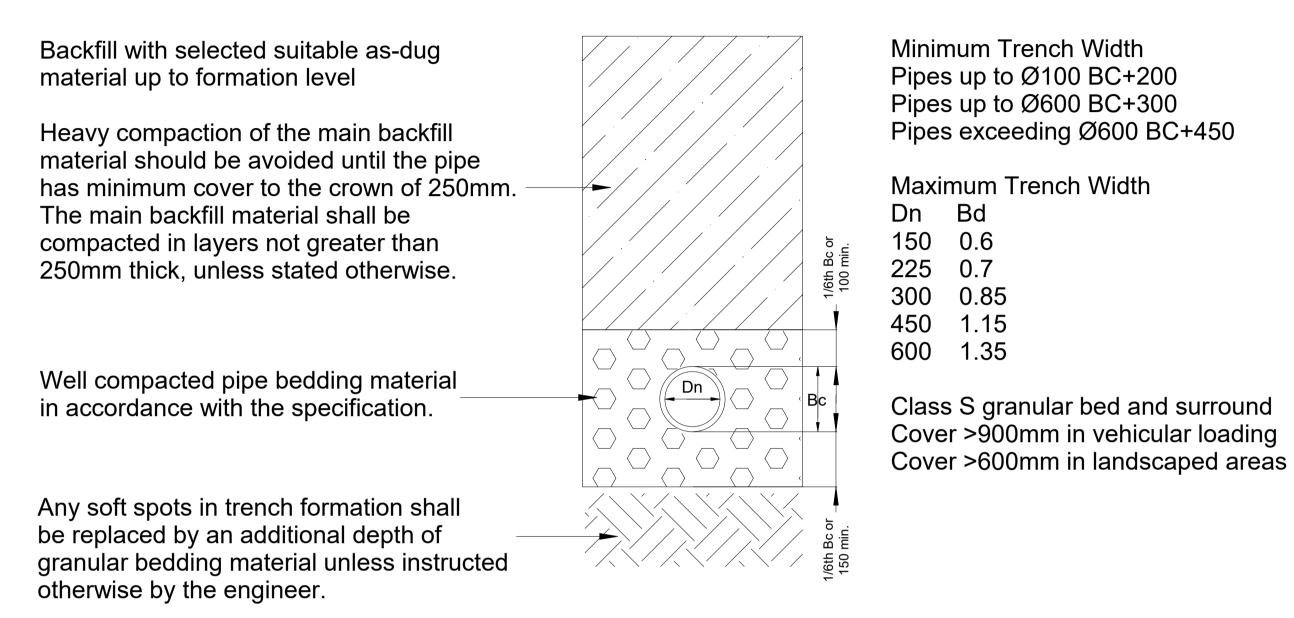
CLASS S BED & SURROUND

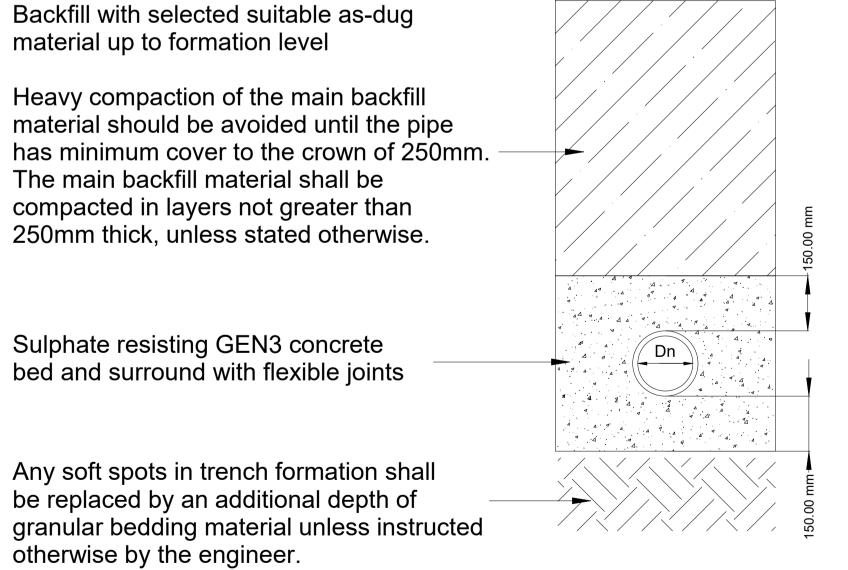


Nominal Pipe Size Dn	Pipe Bedding Requirement Size of Aggregate mm
150	10 or 14 nominal single size or 14 to 5 graded
225-525	10, 14 or 20 nominal size or 14 to 5 graded or 20 to 5 graded
>525	10, 14,20 or 40 nominal single crushed rock or 14 to 5 graded or 20 to 5 graded or 40 to 5 graded

Bedding Details

Nominal Pipe Size Dn	Pipe Bedding Requirement Size of Aggregate mm
150	10 or 14 nominal single size or 14 to 5 graded
225-525	10, 14 or 20 nominal size or 14 to 5 graded or 20 to 5 graded
>525	10, 14,20 or 40 nominal single crushed rock or 14 to 5 graded or 20 to 5 graded or 40 to 5 graded

CLASS Z BED & SURROUND



Minimum Trench Width Pipes up to Ø100 BC+200 Pipes up to Ø600 BC+300 Pipes exceeding Ø600 BC+450

Maximum Trench Width

Dn Bd 150 0.6 225 0.7 300 0.85 450 1.15 600 1.35

Class Z concrete bed and surround Cover <900mm in vehicular loading Cover <600mm in landscaped areas NOTES

This drawing is to be read in conjunction with all relevant Engineers and Architects

For setting out refer to Architects drawings.

All dimensions are in millimetres and levels are in metres unless noted otherwise.

Contractor to take all relevant dimensions on site.

Any discrepancies to be advised to the Engineer.

Contractor to check/scan for services prior to construction to avoid any damage during

Any information given on this drawing regarding existing services is believed to be

The contractor must check this information and determine the nature and location of other existing services from the various statutory authorities before commencing

Drainage works to be constructed in accordance with BS EN 752 and Approved Document H.

All soft spots and unacceptable material encountered in drainage excavations is to be removed and replaced with granular material to the requirements of the building control

Pipes to be installed to manufacturers recommendations.

Pipes under buildings to be laid to a fall of 1:40 minimum unless noted otherwise.

Plastic plain wall pipes to be PVC-U to BS EN 1401-1, class SN4, with flexible joints, Kitemark certified. Structured wall plastic pipes to be to WIS 04-35-01, Kitemark

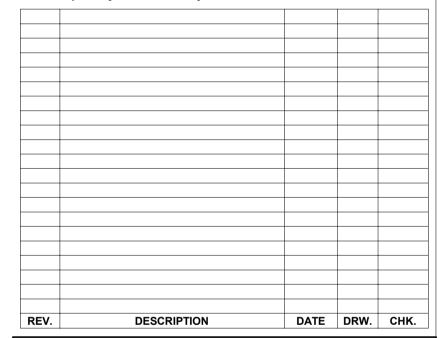
Clay pipes to be vitrified clay to BS EN 295-1, with flexible joints, Kitemark certified. Clayware pipes must be extra strength classification protected in accordance with the specified details.

Bedding of pipes to be in accordance with approved document H1.

Rocker pipes with flexible joints are to be provided at a distance of 150mm and 750mm from the face of construction to manholes, where pipes pass above, below or through ground beams or foundations; at gully connections and soil stack ends.

Manhole access covers are to be located at the outgoing side of manholes.

Cover levels are to be fixed on site to suit finished levels. Covers and frames to BS EN124, Grade D to be used in areas subject to heavy vehicular loading, Grade C in areas subject to light vehicular loading and Grade B to be used elsewhere.







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PROJECT

North Manchester General Hospital

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Surface Water Drainage Details

	STATUS PURPOSE OF ISSUE						
	S4	4 FOR CONSTRUCTION					
	DRAWN BY MG SCALE (@A1) NTS		CHECKED BY JS		DATE 23/07/2021		
				PROJECT NUMBER 20200 MSCP			
		O A II IA 45				DEV	

FILE DRAWING NUMBER 20200-SEL-XX-EX-DR-Y-0004

REV. C1