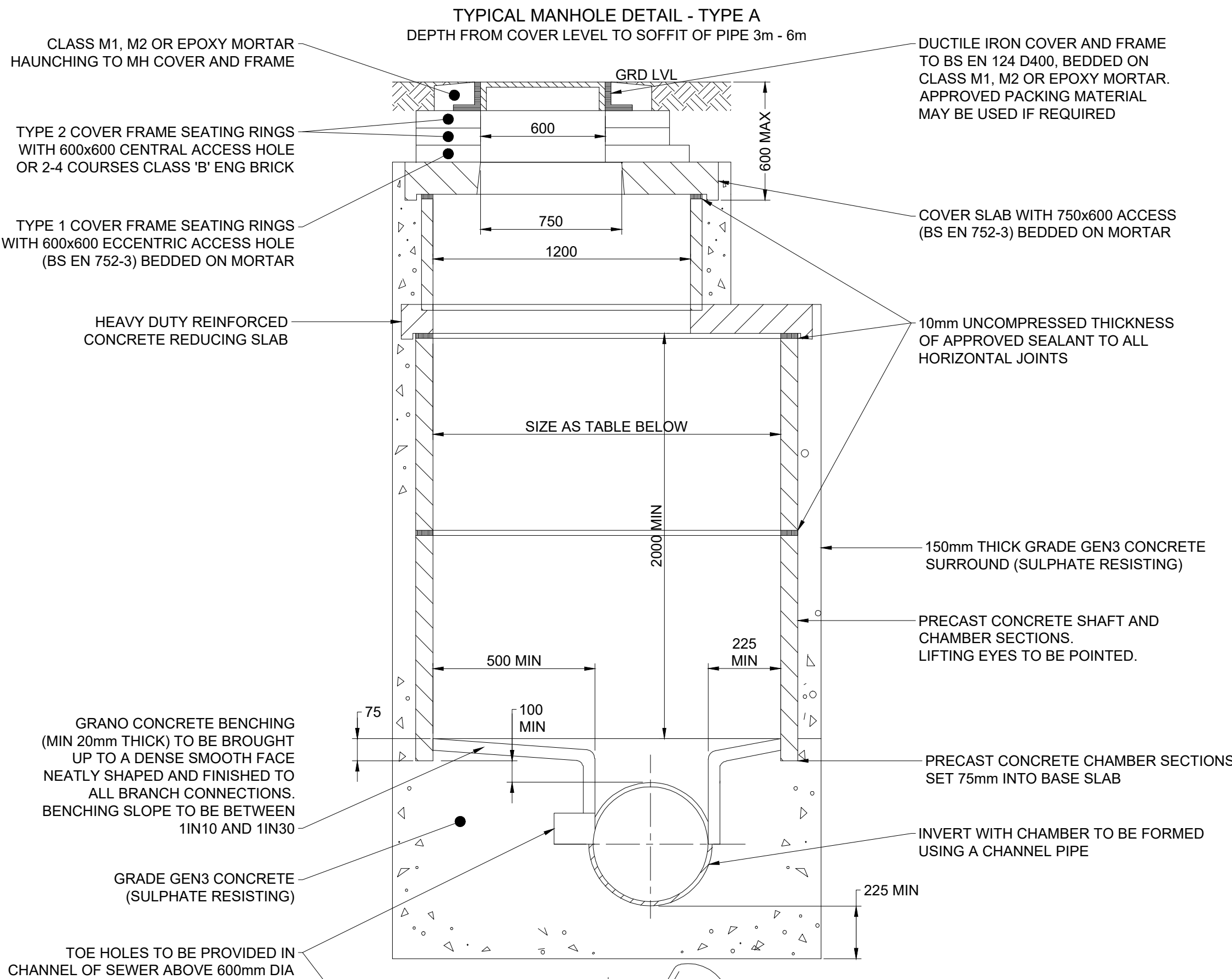


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NOTES:

1. ALL MANHOLES AND SEWERS TO BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION

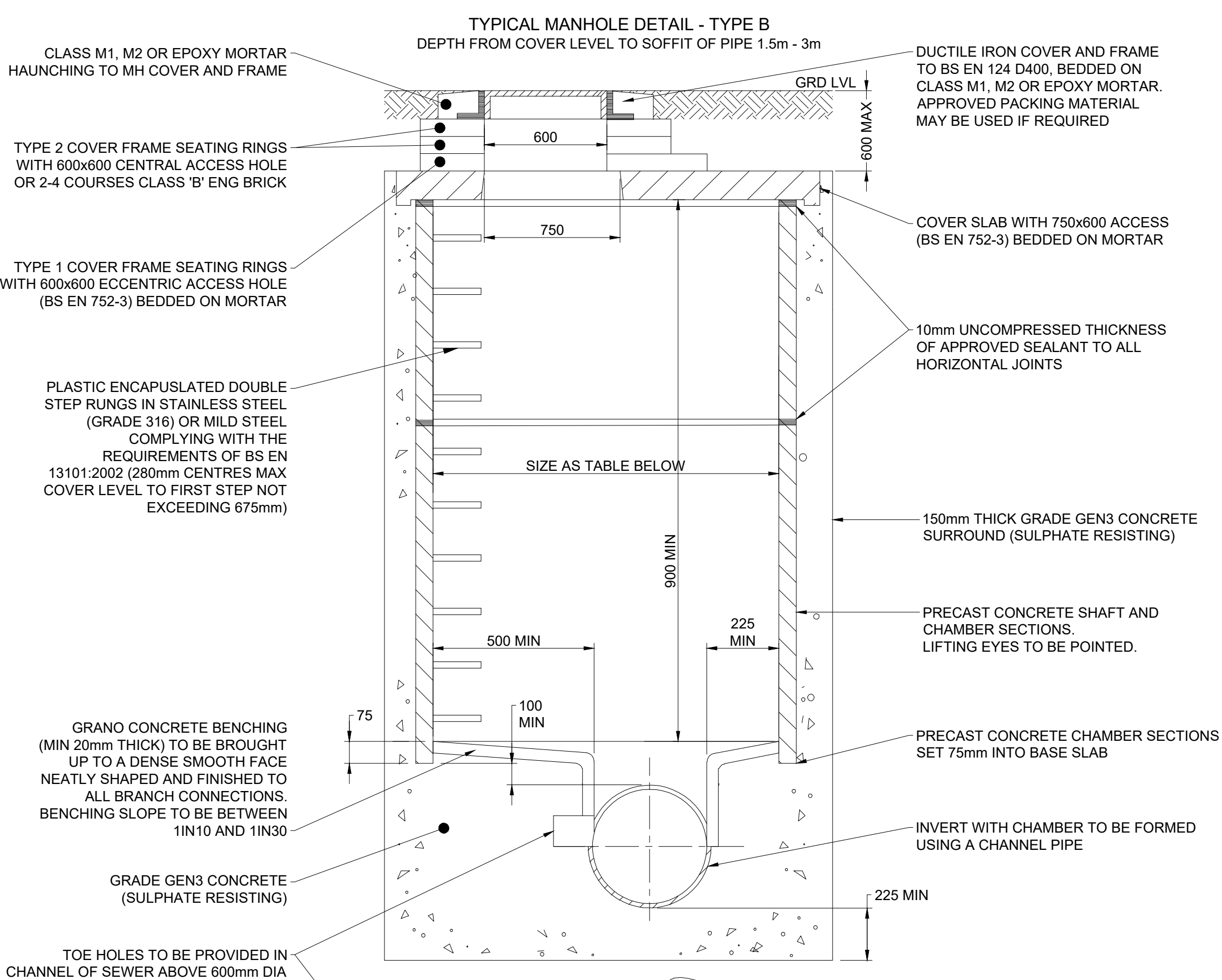


SHAFT DIAMETERS	
DIA OF LARGEST PIP IN MH (mm)	INT. DIA OF MH (mm)
LESS THAN 372	1200
375 TO 700	1500
750 TO 900	1800

NOTE: CHAMBER WITH OUTGOING PIPES 600mm OR GREATER DIA SHALL BE FITTED WITH REMOVABLE STAINLESS STEEL (GRADE 316) SAFETY CHAINS OR POLYPROPYLENE ROPE. MANHOLES GREATER THAN 6m DEPTH SHALL BE SUBJECT TO SPECIFIC DESIGN.

ALL PIPES ENTERING OR LEAVING MANHOLES SHALL HAVE FLEXIBLE JOINT WITHIN 600mm OF THE INSIDE FACE OF THE MANHOLE. THE NEXT PIPE SHALL BE A SHORT "ROCKER PIPE" WITH LENGTH AS TABLE BELOW

ROCKER PIPES	
SEWER DIAMETER (mm)	EFFECTIVE LENGTH (mm)
150 TO 600	600
675 TO 750	1000
825 AND OVER	1250



SHAFT DIAMETERS	
DIA OF LARGEST PIP IN MH (mm)	INT. DIA OF MH (mm)
LESS THAN 372	1200
375 TO 700	1500
750 TO 900	1800

NOTE: CHAMBER WITH OUTGOING PIPES 600mm OR GREATER DIA SHALL BE FITTED WITH REMOVABLE STAINLESS STEEL (GRADE 316) SAFETY CHAINS OR POLYPROPYLENE ROPE.

ALL PIPES ENTERING OR LEAVING MANHOLES SHALL HAVE FLEXIBLE JOINT WITHIN 600mm OF THE INSIDE FACE OF THE MANHOLE. THE NEXT PIPE SHALL BE A SHORT "ROCKER PIPE" WITH LENGTH AS TABLE BELOW

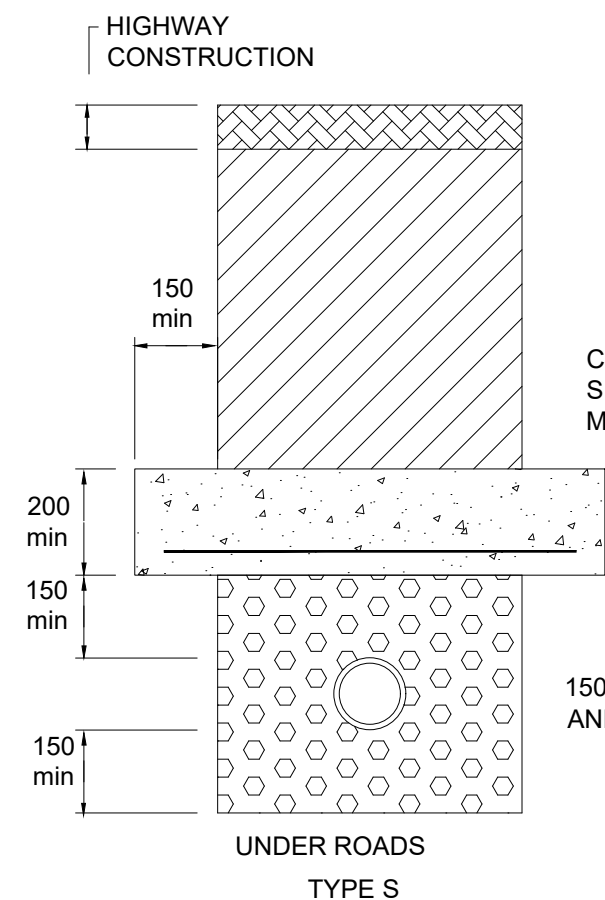
ROCKER PIPES	
SEWER DIAMETER (mm)	EFFECTIVE LENGTH (mm)
150 TO 600	600
675 TO 750	1000
825 AND OVER	1250

MINIMUM TRENCH WIDTHS EN1610	
PIPE DIAMETER	SUPPORTED TRENCH
UP TO 225mm	OUTSIDE PIPE DIAMETER + 400mm
225mm TO 350mm	OUTSIDE PIPE DIAMETER + 500mm
350mm TO 700mm	OUTSIDE PIPE DIAMETER + 700mm
700mm TO 1200mm	OUTSIDE PIPE DIAMETER + 850mm
OVER 1200mm	OUTSIDE PIPE DIAMETER + 1000mm

SIZING OF BEDDING MATERIAL IGN 4-08-01		
PIPE DIAMETER	AGGREGATE NOMINAL SINGLE SIZED	GRADED
UP TO 100mm	10mm	
100mm TO 150mm	10mm 14mm	14mm TO 5mm
150mm TO 300mm	10mm 14mm 20mm	14mm TO 5mm 20mm TO 5mm
300mm TO 550mm	14mm 20mm	14mm TO 5mm 20mm TO 5mm
OVER 550mm	20mm 40mm	14mm TO 5mm 20mm TO 5mm 40mm TO 5mm

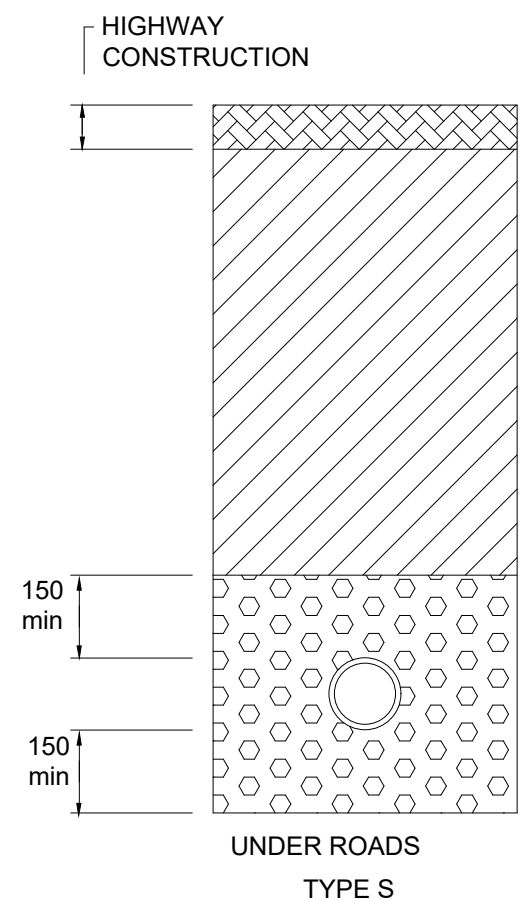
KEY	
	HIGHWAY CONSTRUCTION
	SELECTED EXCAVATED MATERIAL SHALL BE PLACED IN NO GREATER THAN 225mm LAYERS COMPLYING WITH THE CIVIL ENGINEERING SPECIFICATION WITHIN SEWERS OF ADOPTION 6TH EDITION REF 5.3.4
	GRANULAR BEDDING AND SURROUND MATERIAL 20mm NOMINAL SINGLE SIZE
	LANDSCAPE AREA
	CONCRETE SURROUND TO BE GEN3 C20
	GRANULAR SUB-BASE MATERIAL (TYPE 1) DEPOSITED IN LAYERS NOT EXCEEDING 225mm IN UNCONSOLIDATED LAYERS AND THEN FULLY COMPACTED UNLESS STATED.

DRAINS WITH CONCRETE PROTECTION

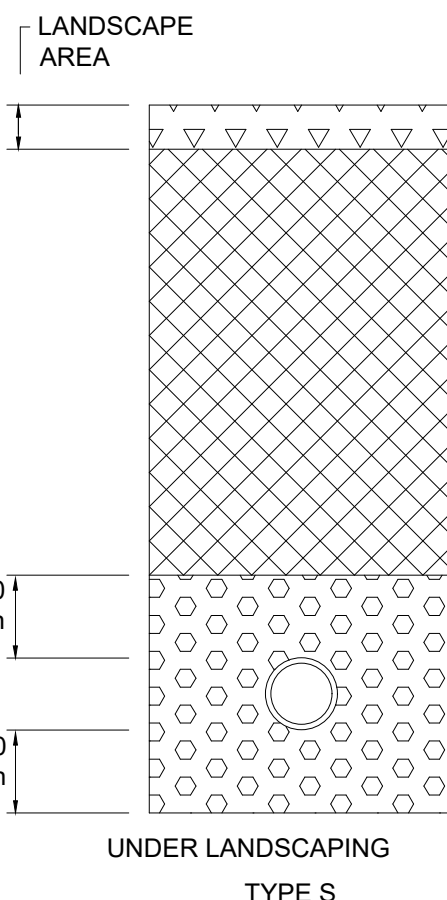


APPLICABLE UNDER ROADS / SERVICE YARDS WHERE DRAINS HAVE LESS THAN 1200mm COVER IF ADOPTED OR LESS THAN 600mm IF NOT ADOPTED.

DRAINS WITH FLEXIBLE (TYPE S) BED AND SURROUND



APPLICABLE UNDER ROADS / SERVICE YARDS WHERE DRAINS HAVE MORE THAN 1200mm COVER IF ADOPTED OR MORE THAN 600mm IF NOT ADOPTED.



APPLICABLE UNDER FOOTPATHS VERGES AND OTHER NON TRAFFICKED AREAS WHERE DRAINS HAVE MORE THAN 900mm COVER IF ADOPTED OR MORE THAN 600mm IF NOT ADOPTED.

REV	DATE	NAME	CHECK	NOTE
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DRAWING STATUS:

FOR APPROVAL

CLIENT

ASHWOOD HOMES LTD



PROJECT

WOODROFFE

DRAWING TITLE

S104 CONSTRUCTION
DETAILS SHEET 1

DRAWN	CHECKED	APPROVED
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AJS	CR	CR
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DATE	SCALE @ A1
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12 March 2020	N.T.S
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DRAWING No.	REVISION No.
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AHL-1413-01-DR-004