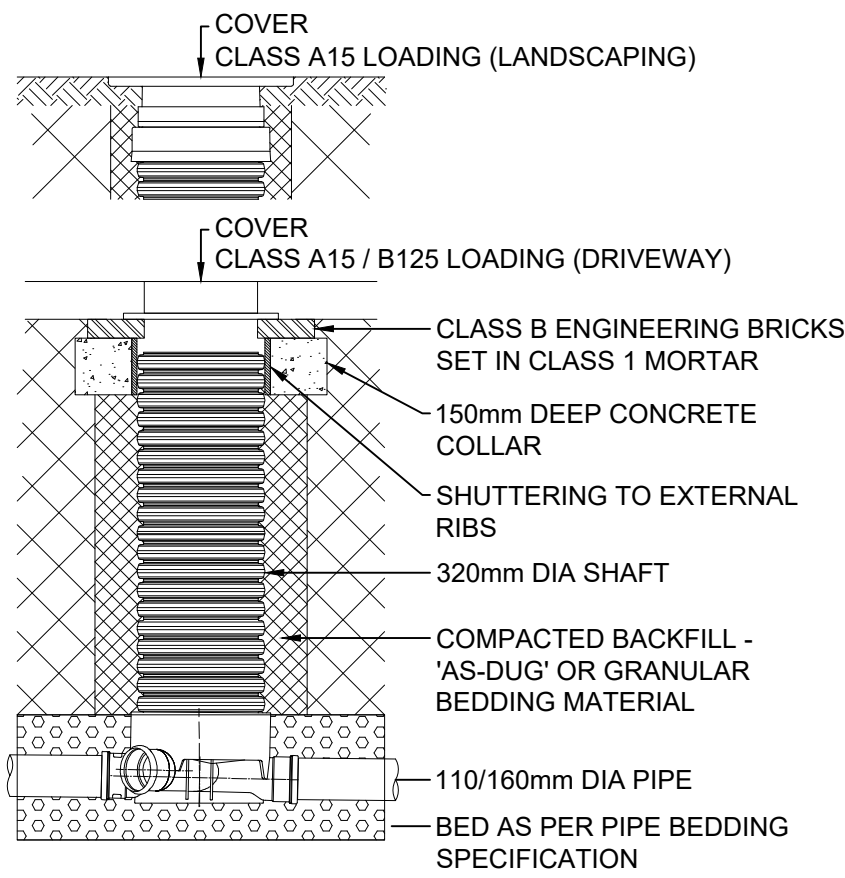
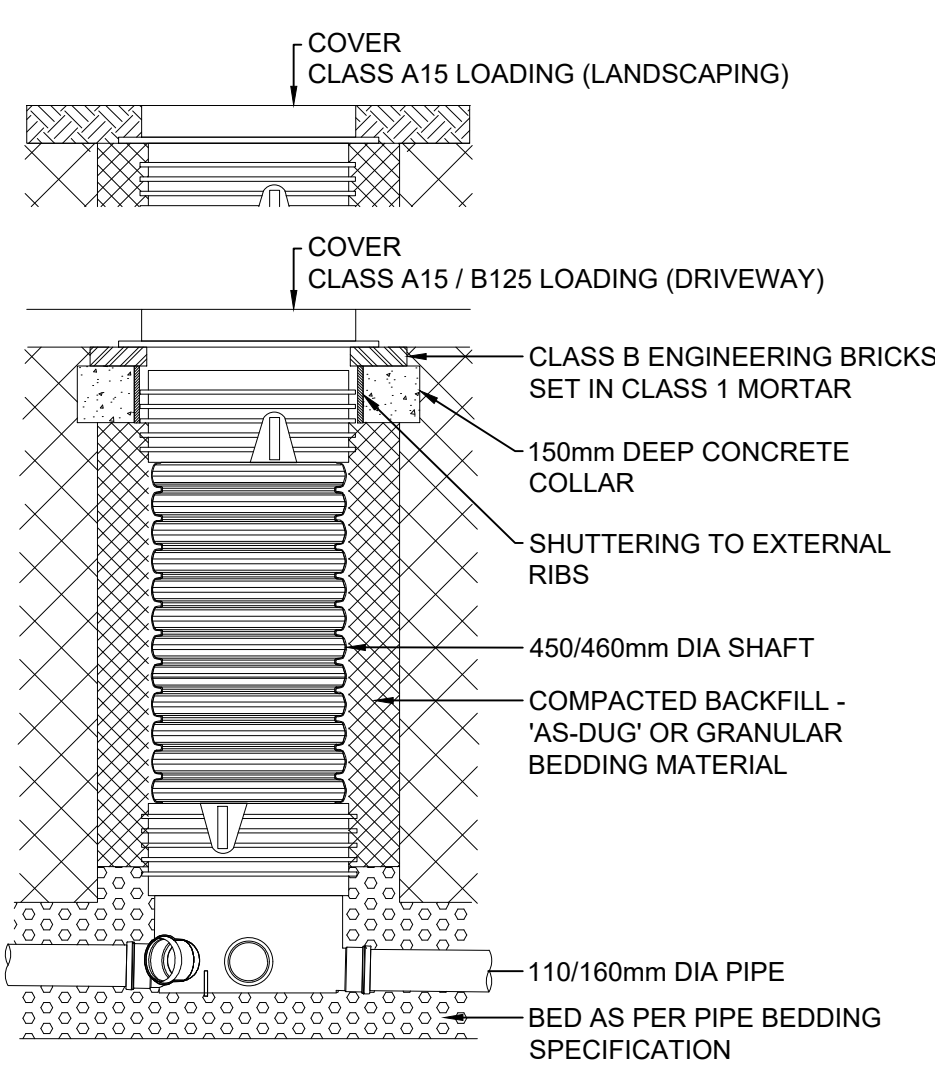


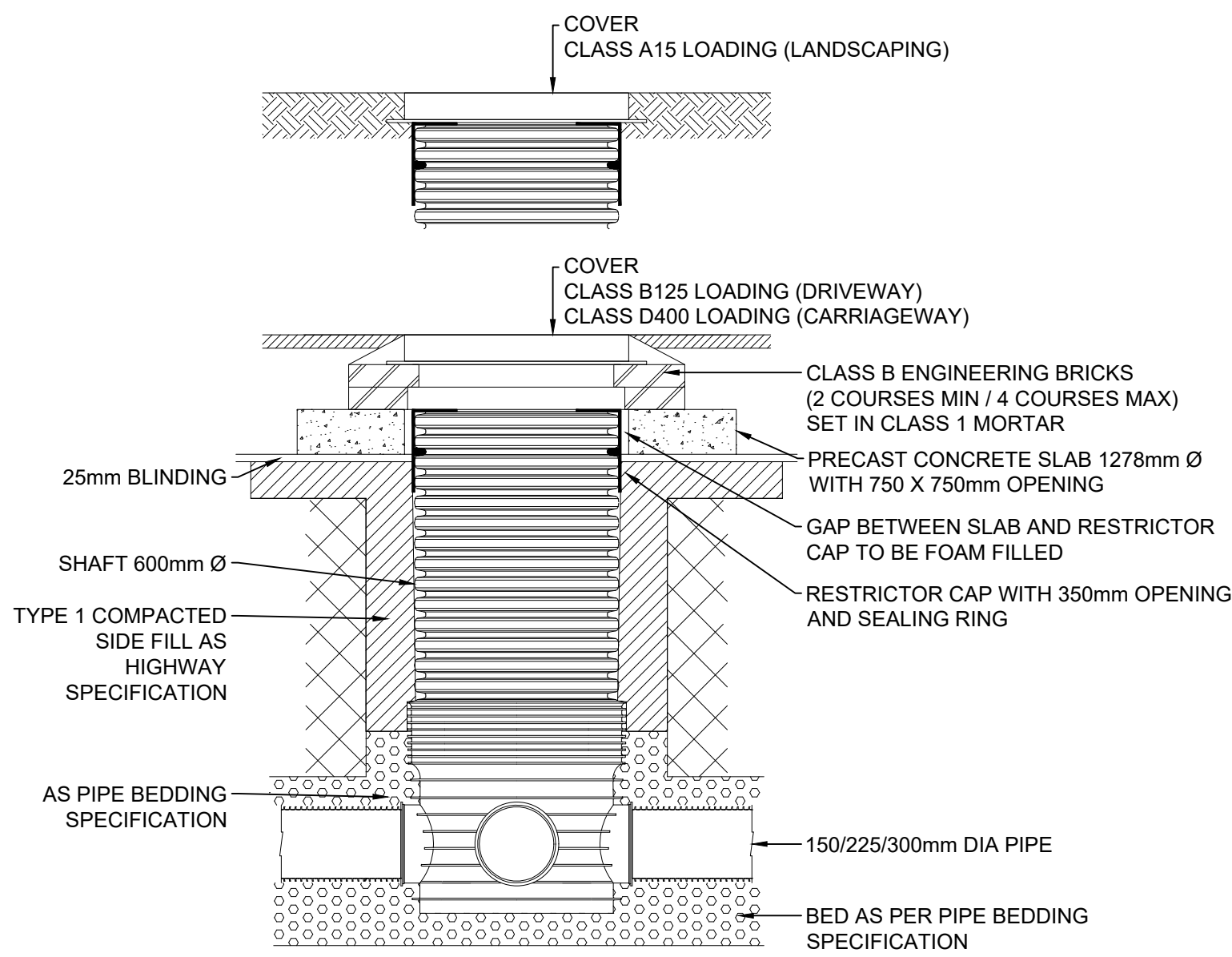
SURFACE WATER NON MAN-ENTRY INSPECTION CHAMBER TYPE F
320mm Ø SHAFT FOR USE WITH 110mm, 160mm OR 150mm (VIA ADAPTOR) PIPES
MAX DEPTH FROM COVER LEVEL TO INVERT OF PIPE 2.0m
(NOT TO SCALE)



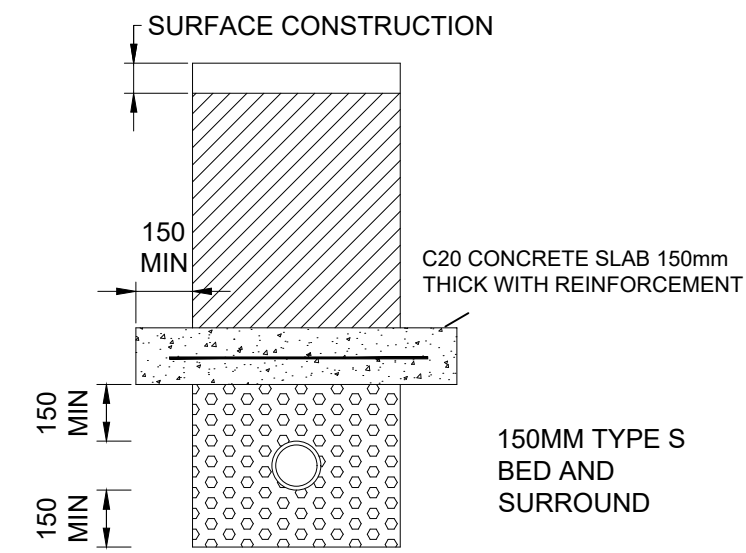
SURFACE WATER NON MAN-ENTRY INSPECTION CHAMBER TYPE G
450/460mm Ø SHAFT FOR USE WITH 110mm, 160mm OR 150mm (VIA ADAPTOR) PIPES
MAX DEPTH FROM COVER LEVEL TO INVERT OF PIPE 3.0m
(NOT TO SCALE)



SURFACE WATER NON MAN-ENTRY INSPECTION CHAMBER TYPE H
600mm Ø SHAFT FOR USE WITH 150mm, 225mm OR 300mm (VIA ADAPTOR) PIPES
MAX DEPTH FROM COVER LEVEL TO INVERT OF PIPE 3.0m
(NOT TO SCALE)

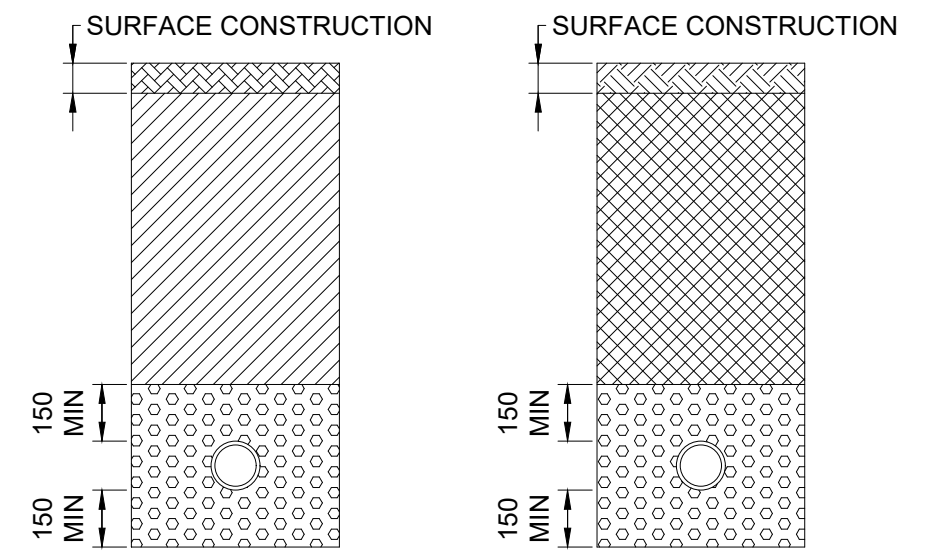


DRAINS WITH CONCRETE PROTECTION



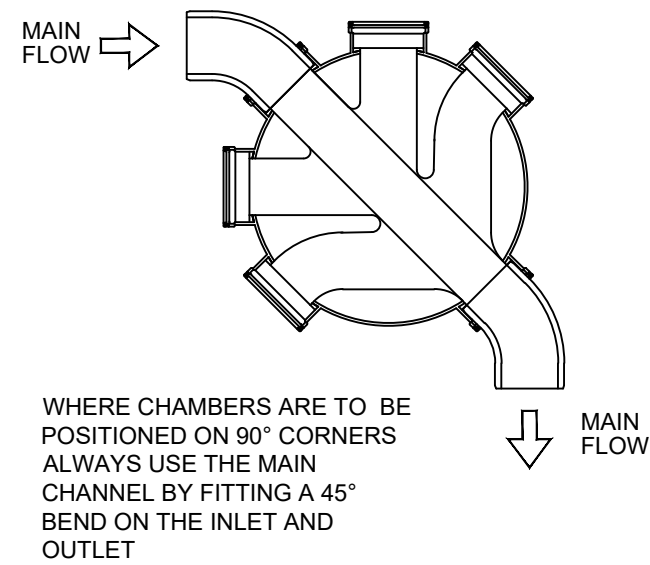
APPLICABLE UNDER ROADS / SERVICE YARDS AND WHERE DRAINS HAVE LESS THAN 1200mm COVER ALSO APPLICABLE UNDER LANDSCAPE AND PRIVATE DRIVE AREAS WHICH HAVE LESS THAN 600mm COVER.

DRAINS WITH FLEXIBLE (TYPE S) BED AND SURROUND



APPLICABLE UNDER ROADS / SERVICE YARDS AND WHERE DRAINS HAVE MORE THAN 1200mm COVER ALSO APPLICABLE UNDER LANDSCAPE AND PRIVATE DRIVE AREAS WHICH HAVE MORE THAN 600mm COVER.

TYPE S APPLICABLE UNDER FOOTPATHS VERGES AND OTHER NON TRAFFICKED AREAS WHERE DRAINS HAVE MORE THAN 600mm COVER.



MINIMUM TRENCH WIDTHS (EN 1610)		
PIPE DIAMETER	AGGREGATE	
	NOMINAL SINGLE SIZE	GRADED
UP TO 100mm	10mm	
100mm TO 150mm	10mm 14mm	14mm TO 15mm
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

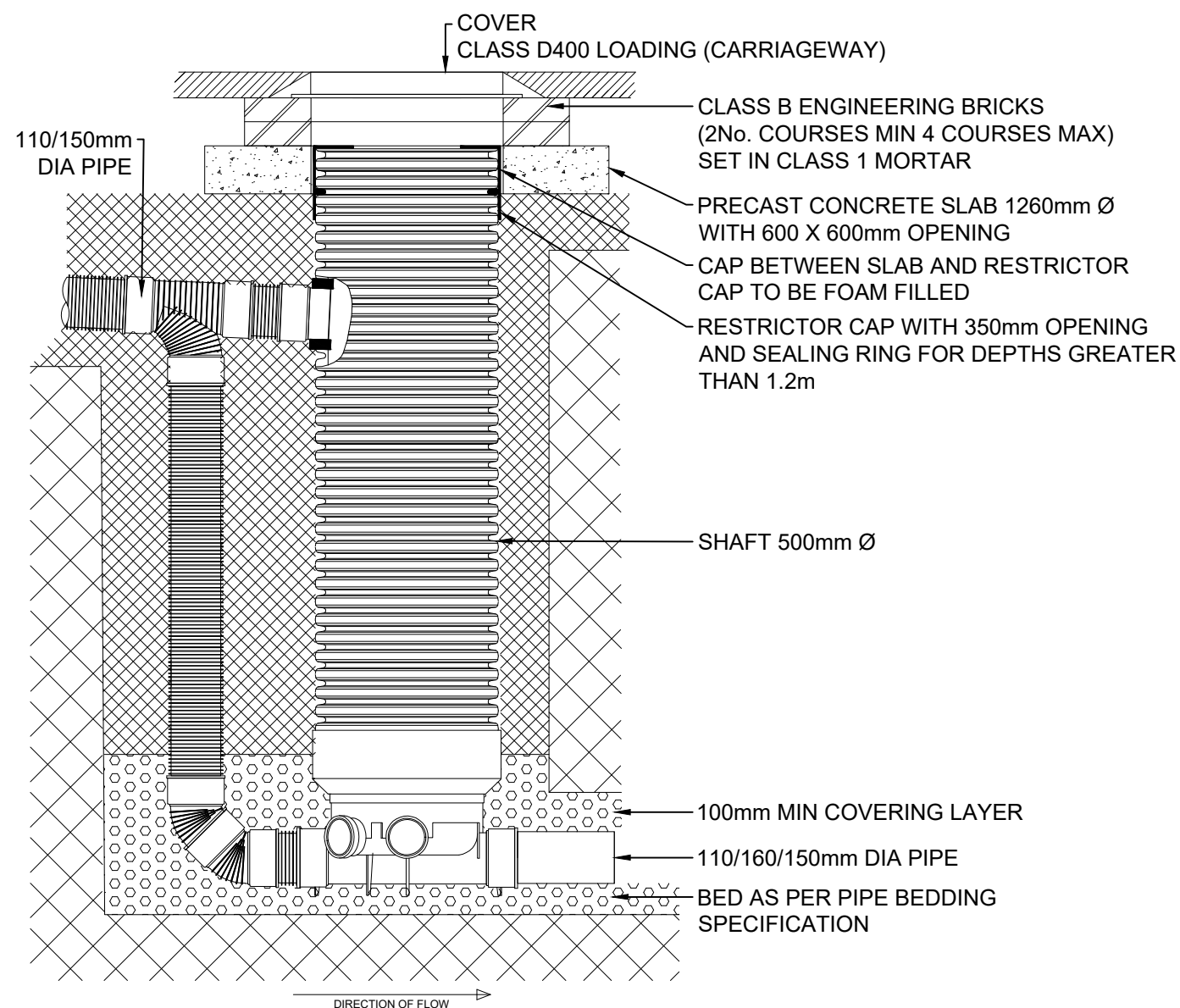
MINIMUM TRENCH WIDTHS (EN 1610)	
PIPE DIAMETER	SUPPORTED TRENCH
UP TO 255mm	OUTSIDE PIPE DIAMETER + 400mm
225mm TO 350mm	OUTSIDE PIPE DIAMETER = 500mm
350mm TO 700mm	OUTSIDE PIPE DIAMETER + 700mm
700mm TO 1200mm	OUTSIDE PIPE DIAMETER + 850mm
OVER 1200mm	OUTSIDE PIPE DIAMETER + 1000mm

KEY:

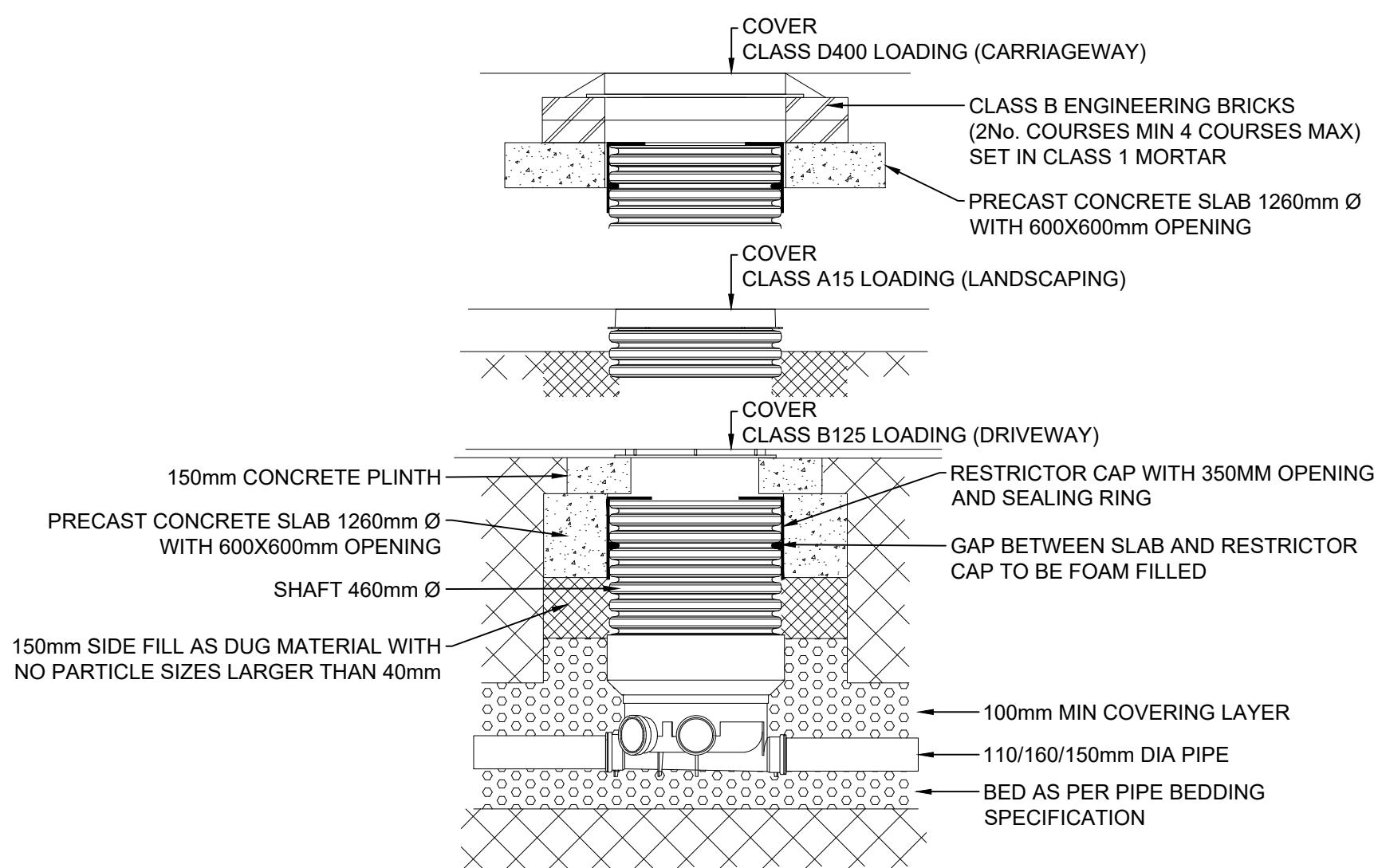
- HIGHWAY CONSTRUCTION
- SELECTED EXCAVATED MATERIAL SHALL BE PLACED IN NO GREATER THAN 225mm LAYERS COMPLYING WITH THE CIVIL ENGINEERING SPECIFICATION WITHIN SEWERS OF ADOPTION 6TH EDITION REF 5.3.4
- GRANULAR BEDDING AND SURROUND MATERIAL 20mm NOMINAL SINGLE SIZE

- 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.

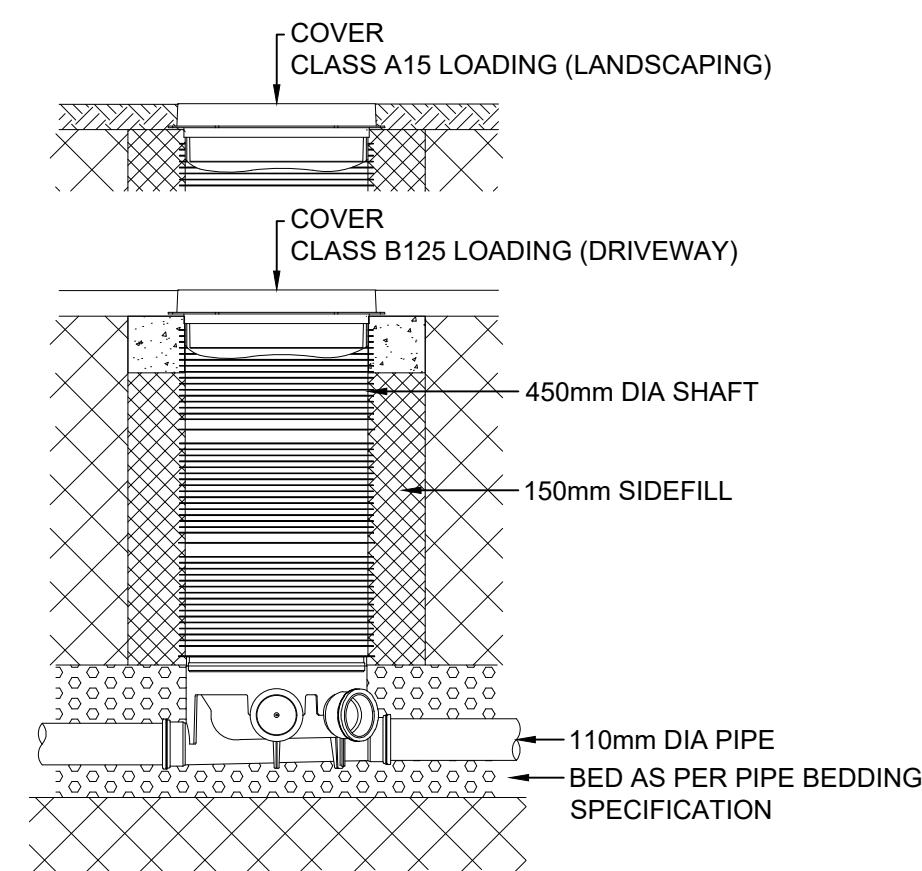
FOUL NON MAN-ENTRY BACK-DROP INSPECTION CHAMBER TYPE L
500mm Ø SHAFT FOR USE WITH 110mm, 160mm OR 150mm PIPES
MAX DEPTH FROM COVER LEVEL TO INVERT OF PIPE 3.0m
(NOT TO SCALE)



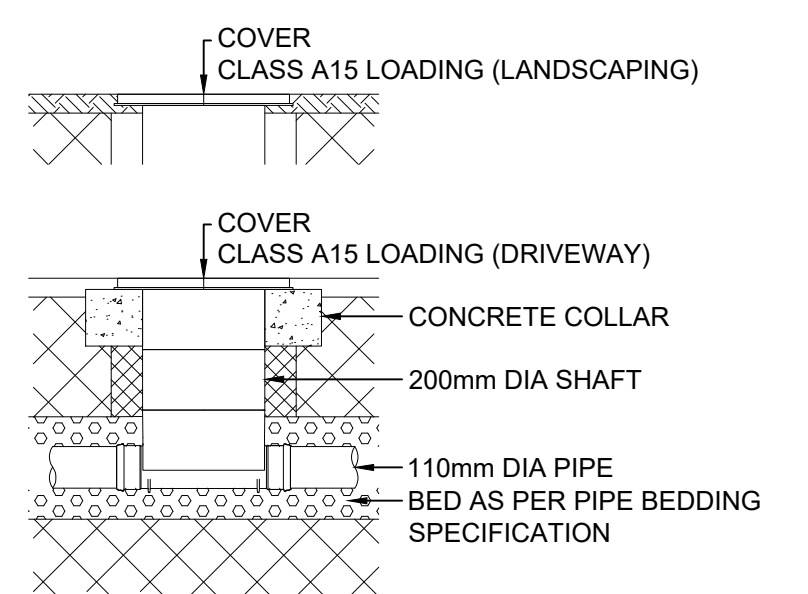
FOUL NON MAN-ENTRY INSPECTION CHAMBER TYPE K
500mm Ø SHAFT FOR USE WITH 110mm, 160mm OR 150mm PIPES
MAX DEPTH FROM COVER LEVEL TO INVERT OF PIPE 3.0m
(NOT TO SCALE)



FOUL NON MAN-ENTRY INSPECTION CHAMBER TYPE J
450mm Ø SHAFT FOR USE WITH 110mm, 160mm OR 150mm PIPES
MAX DEPTH FROM COVER LEVEL TO INVERT OF PIPE 1.2m
(NOT TO SCALE)



FOUL NON MAN-ENTRY INSPECTION CHAMBER TYPE I
200mm Ø SHAFT FOR USE WITH 110mm PIPES
MAX DEPTH FROM COVER LEVEL TO INVERT OF PIPE 2.0m
(NOT TO SCALE)



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