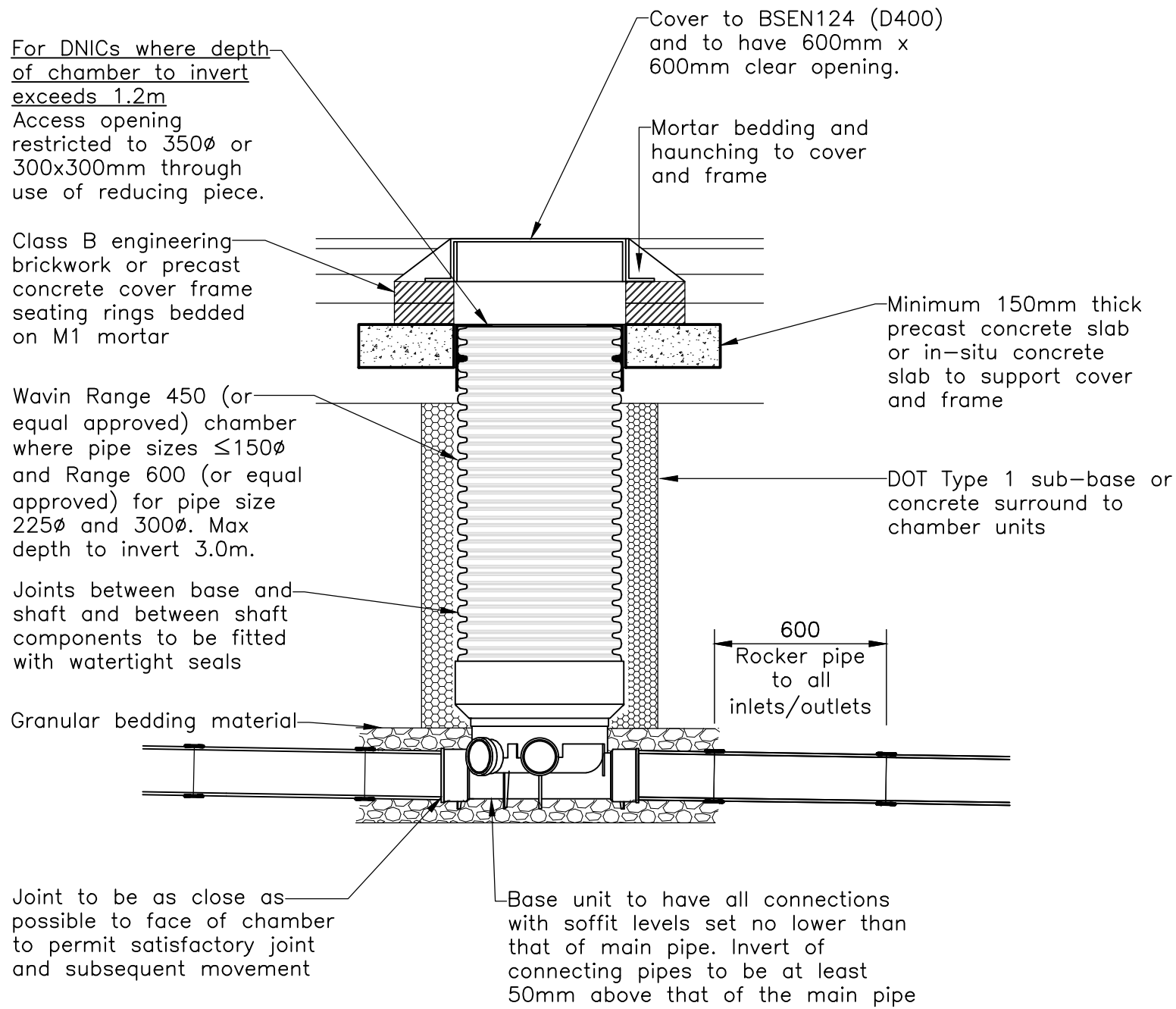
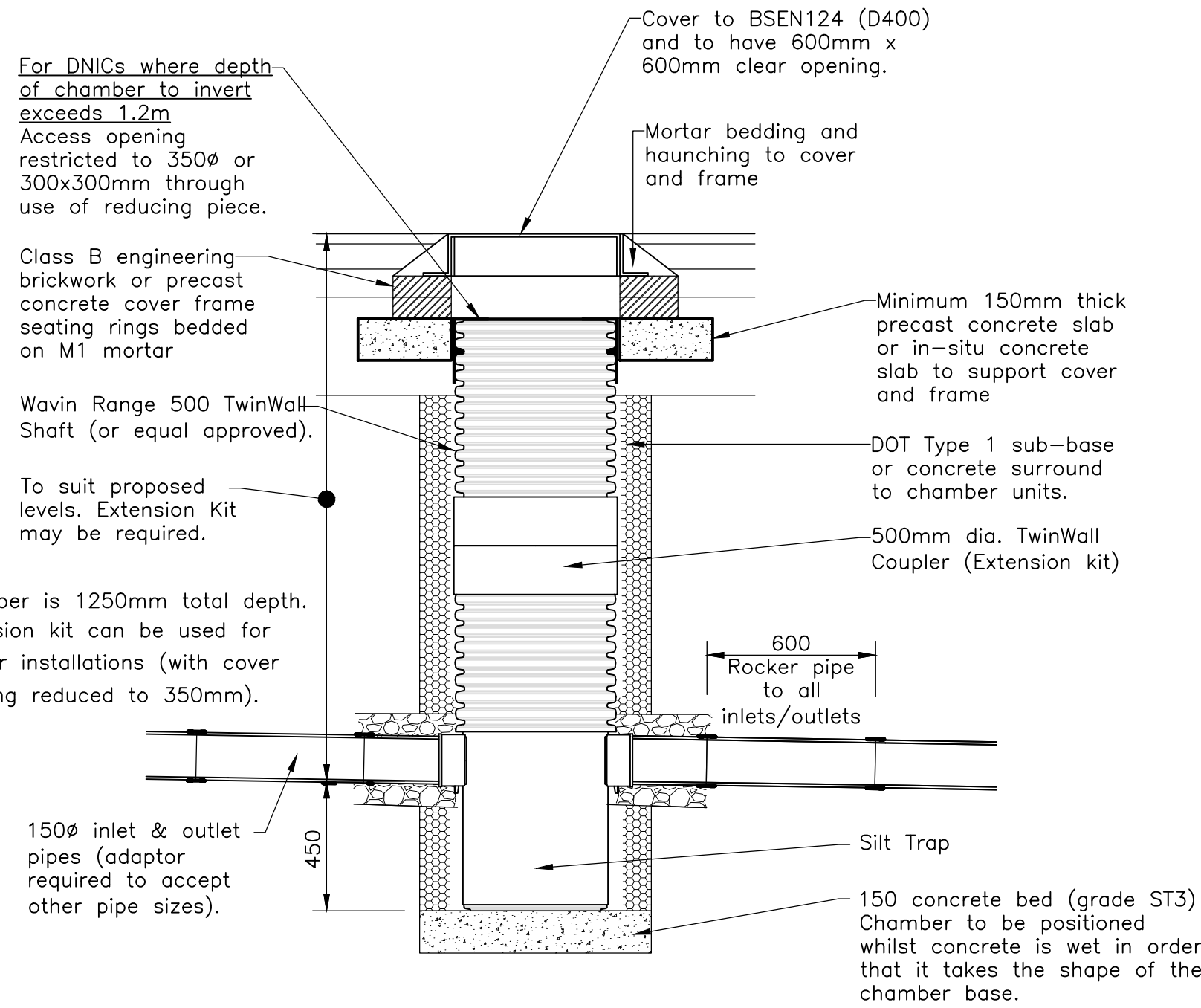




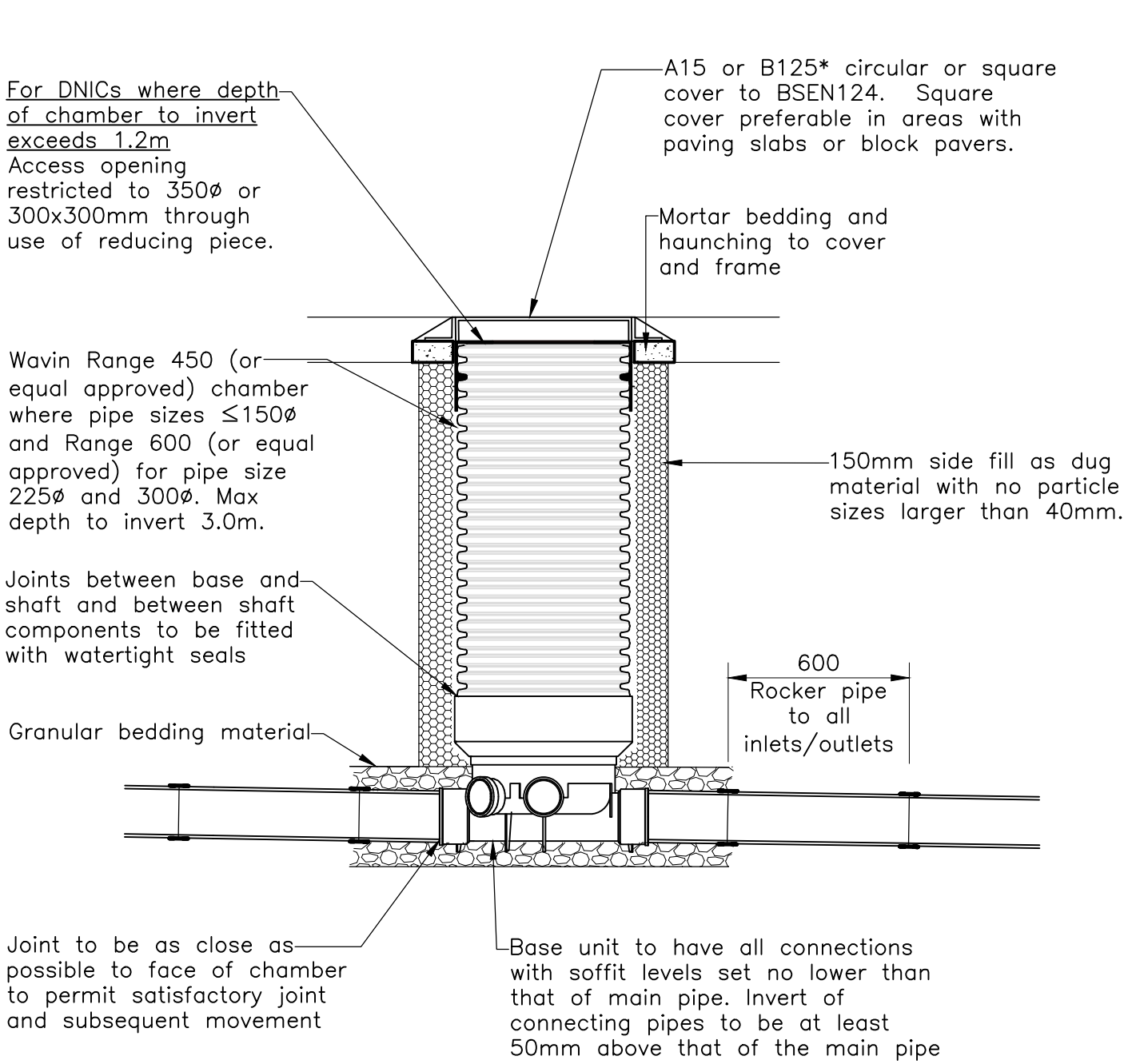
PPIC/DNIC Detail – Vehicular Loading

Carriageway
Max. depth 3m



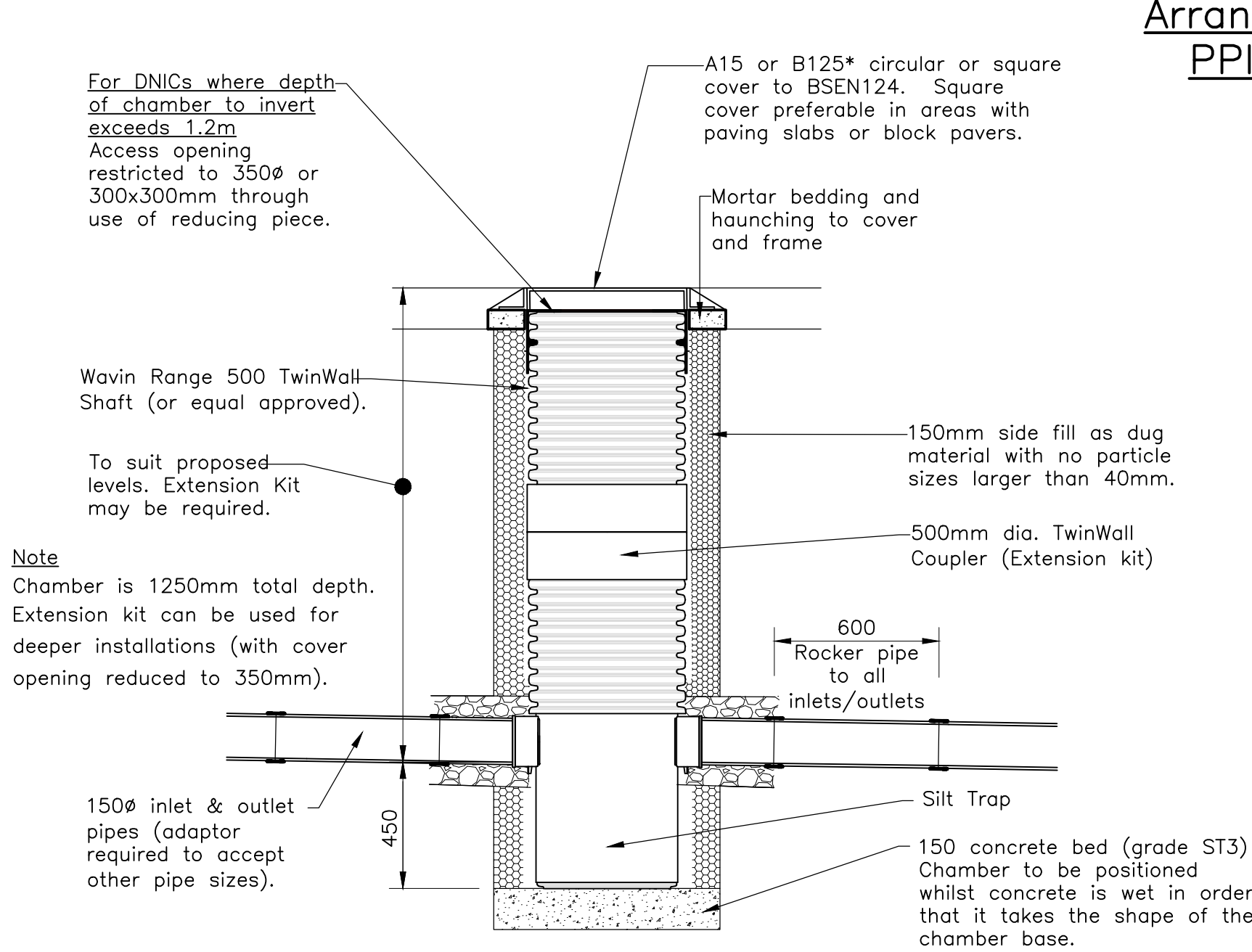
PPIC/DNIC Catchpit – Vehicular Loading

Standard chamber has 2No. preformed holes (to accept 100Ø or 150Ø pipe) at 180° separation. Any additional inlets / outlets to be formed on site with appropriate fixings obtained from manufacturer.



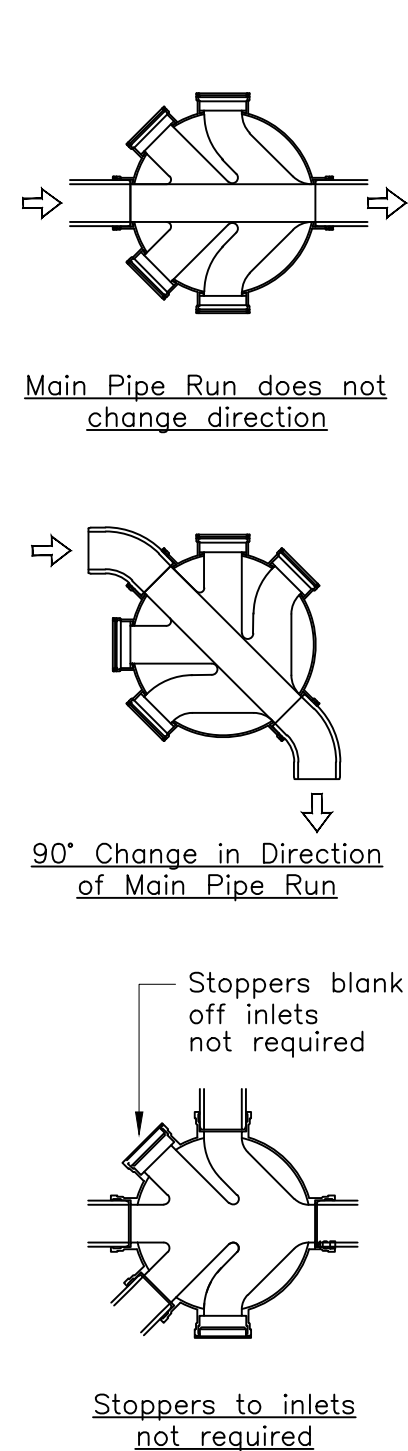
PPIC/DNIC Detail – Non-vehicular Loading

Soft Landscaping/Pedestrian Areas
Max. depth 3m

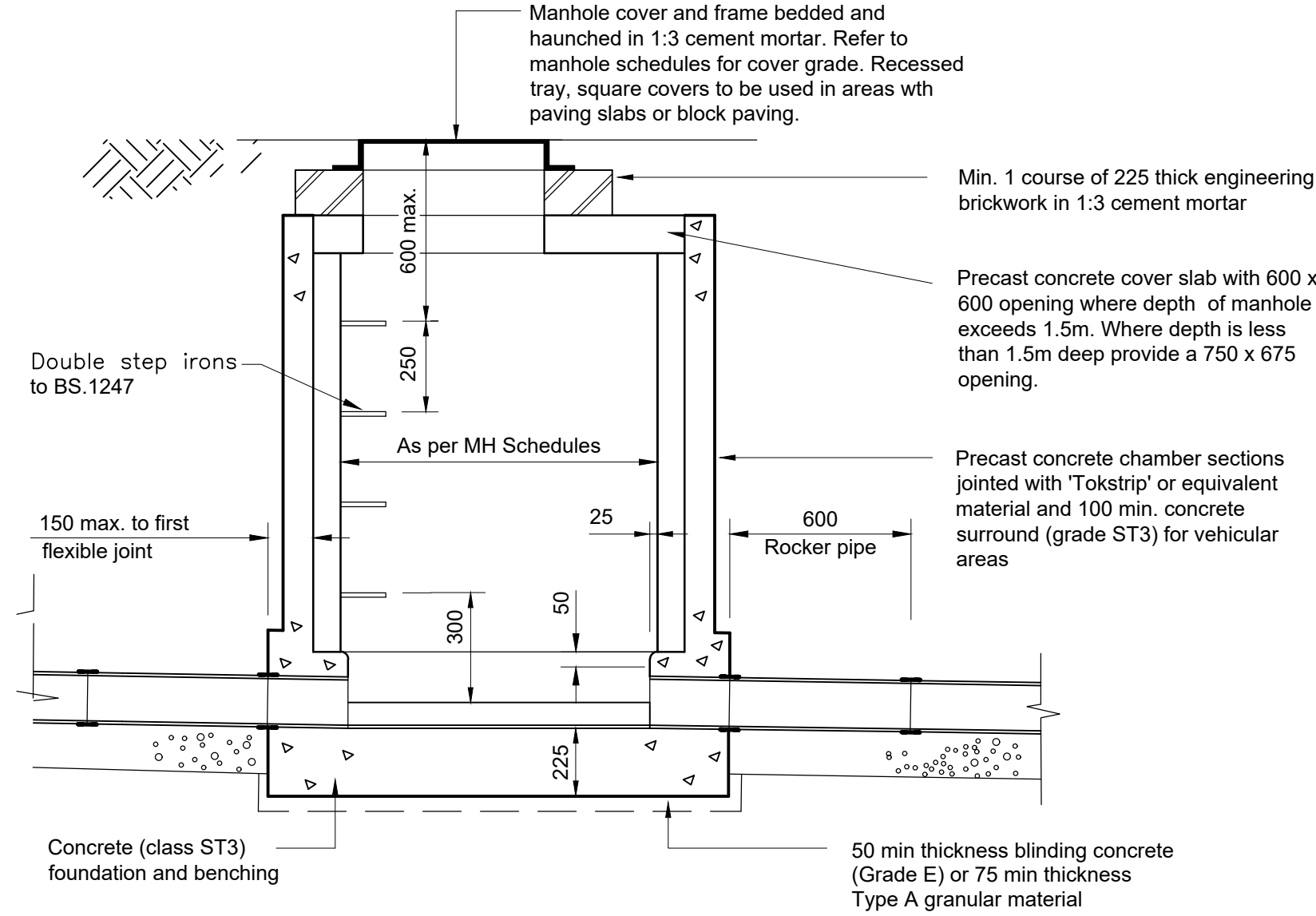


PPIC/DNIC Catchpit – Non-vehicular Loading

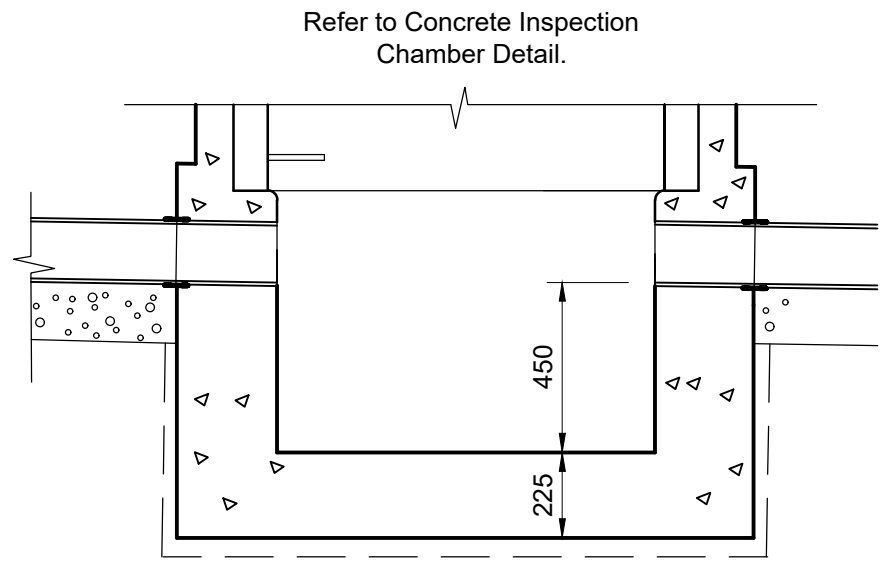
Standard chamber has 2No. preformed holes (to accept 100Ø or 150Ø pipe) at 180° separation. Any additional inlets / outlets to be formed on site with appropriate fixings obtained from manufacturer.



Pipe Arrangements for PPIC & DNIC

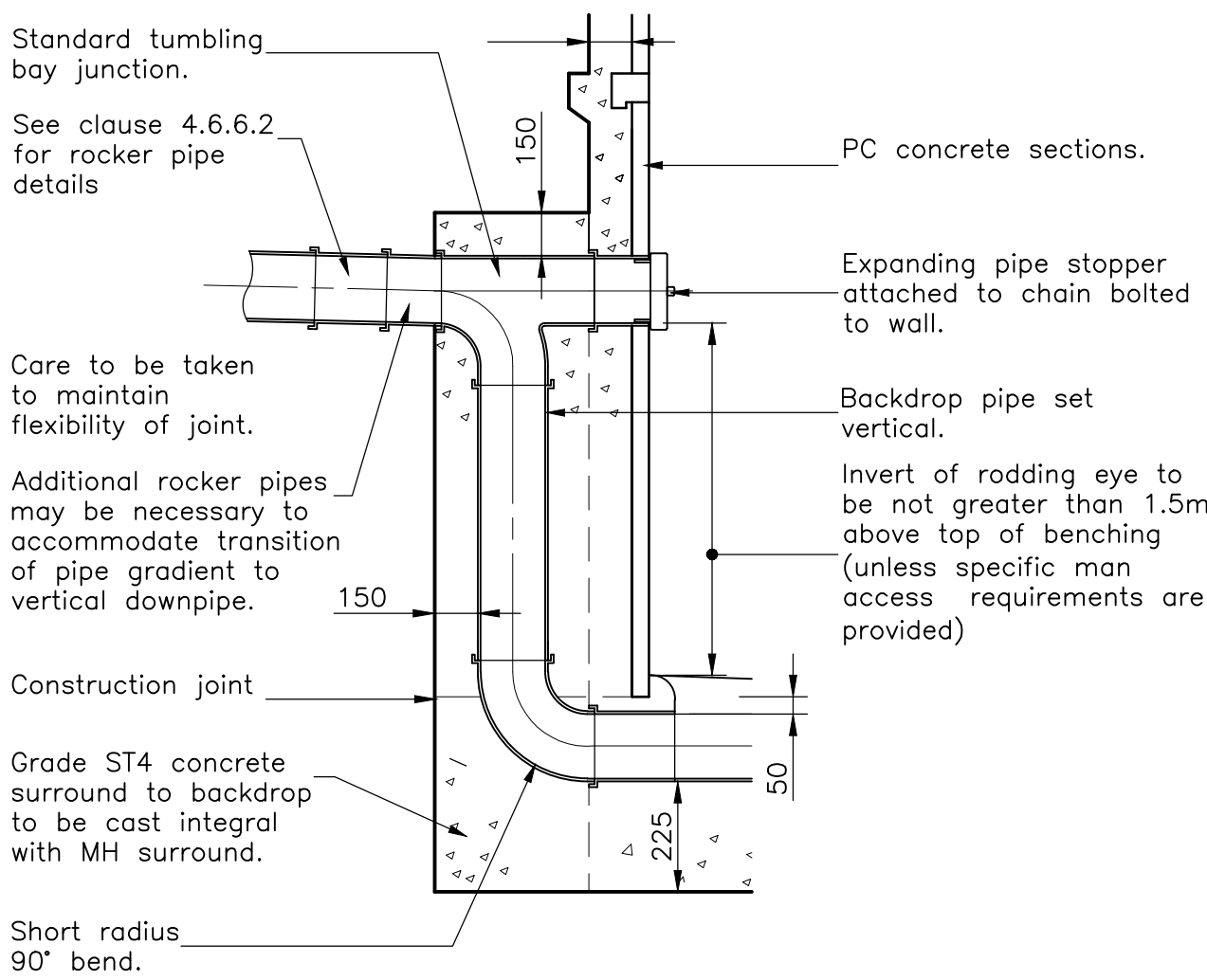


Typical Concrete Inspection Chamber



Concrete Catch Pit Detail

Construction As Concrete
Inspection Chamber.



Typical Vertical Backdrop Detail.

General Notes:

- For Civil Engineering General notes to dwg no. 15478-TUL-XX-00-DR-C-91001

Pipe Bedding & Sillfill Materials.

Type A bedding material shall be aggregates conforming to BS 882, or BS EN 12620, nominal single-size or graded complying with the recommendations of Wis No. 4-08-01 as follows :-

Pipe dia. (minimum)	Single-size.	Graded.
Over 100 to 150	10mm nominal single-size.	
Over 150 to 500	10 or 14mm nominal single-sized.	14mm to 5mm graded
Over 500	10,14 or 20mm nominal single-sized.	14 or 5mm graded or 20mm to 5mm graded.

Type B material shall be selected excavated or imported material consisting of uniform, readily compactable material, free from vegetable matter, building rubbish and frozen material, or materials susceptible to spontaneous combustion, and excluding clay of liquid limit greater than 80 and/or plastic limit greater than 55 and materials of excessive high moisture content. Clay lumps and stones retained on 75mm and 37.5mm sieves respectively shall be excluded from the fill material.

Pipes Laid with a Concrete Bedding Surround

Class A concrete surround to be minimum cube strength at 28 days of 20N/mm² for non-aggressive soils. For aggressive soil conditions the concrete mix shall be in accordance with the requirements of BRE Digest 250, or BRE paper CP23/77 as appropriate. The backfill, other than the first 150mm of cover, should not be placed before the compressive strength of the site concrete has reached 14N/mm². The concrete mix should be so designed that this is reached without unnecessary delay. A compressible filler shall be placed throughout the concrete surround at all pipe joints. This shall consist of bitumen impregnated insulating board to B.S. EN 322, or other equally compressible material. The thickness of compressible filler shall be as follows :-

Nominal diameter of pipe (mm)	Thickness of Compressible filler (mm)
Less than 450	18
450 – 1200	36
Exceeding 1200	54

Compressible packing for use between pipes and precast concrete setting blocks shall consist of bitumen damp-proof sheeting complying with B.S. 743.

Dimension 'a'

In machine dug uniform soils :-
a = For sleeve jointed pipes, a minimum of 50mm or 1/6Bc, whichever is the greater, for socketted pipes a minimum of 100mm or 1/6Bc, whichever is the greater under barrels but not less than 50mm under

In rock or mixed soils containing rock bands, boulders, large flints or stones or other irregular hard spots these values will need to increase accordingly.

Pipe Materials.

Plastic or concrete as appropriate for pipe diameter, i.e.

100Ø, 150Ø or 225Ø – Plastic

300Ø or larger – Concrete

For specification of pipe materials refer also to Civil Engineering General Note 9.1 on dwg no. 15478-TUL-XX-00-DR-C-91001

P03 11.11.25	PPIC/DNIC chambers specification amended.	IU	PAJT
P02 29.08.25	Cover specification updated	IU	PAJT
P01 19.08.25	First Issue	IU	PAJT

Rev	Date	Description	By	Ckd
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PRELIMINARY

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PROJECT

Land south of Station Road,
Cowfold, RH13 8QZ

DRAWING TITLE

Private Drainage Details
Sheet 1

Originator No.	Scale	Revision
15478	1:20@A1	P03

PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER

15478-TUL-XX-XX-DR-C-66001

0 200 400 600 800
SCALE 1:20 millimeters