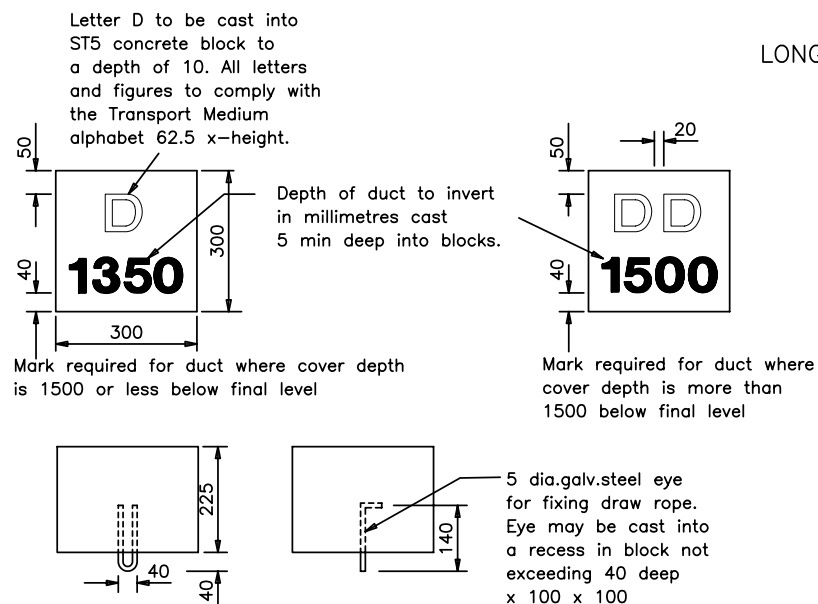


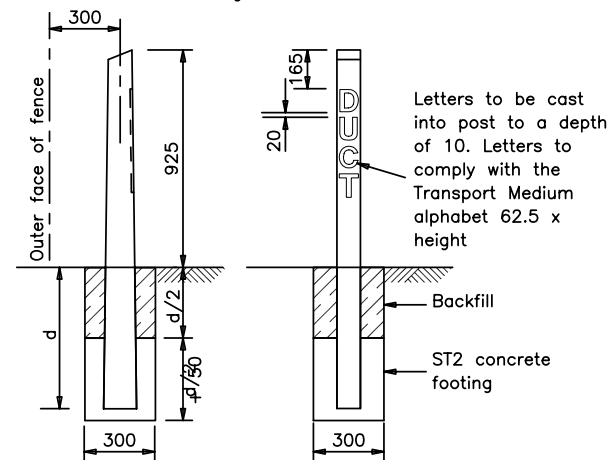
LONGITUDINAL SECTIONS



DETAIL OF MARKER BLOCK

To be positioned over duct in verges and on centre line in central reserve. Slack in draw rope (minimum 1m) to be coiled under block

Close boarded fence post to comply with BS 1722 Pt.5 Type PCR. 105 or similar without recess, with the addition of cast lettering as detailed below.

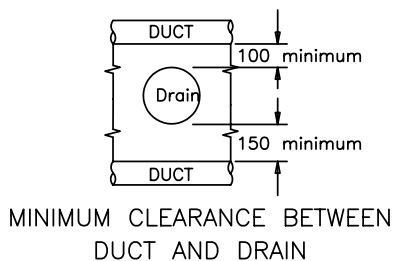
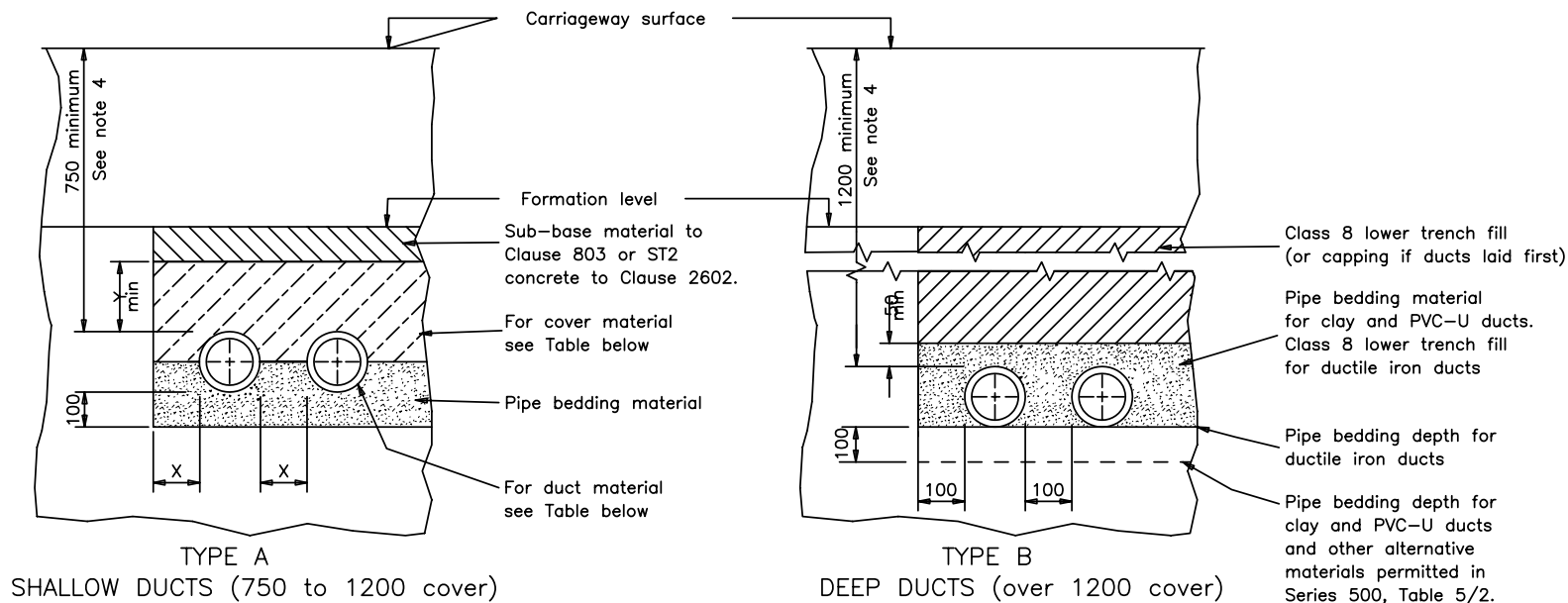


DUCT LOCATION POST

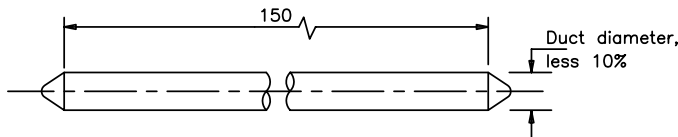
To be installed on C of duct group

- NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES.
  2. Ducts to be a minimum of 90mm nominal diameter.
  3. For details of location of ducts see the layout plans.
  4. For details of the permitted forms of construction for ducts see Drawing No. I2.
  5. Ducts are to be laid straight except when they have to curve around obstacles and at the end of ducts. No change of direction to be greater than 1 in 30. The mandrel shown on Drawing No. I2 shall be drawn through the completed duct.
  6. All ducts shall extend a minimum of 500mm beyond the pavement construction and where possible the drainage pipes.
  7. Ducts and markers shall not be sited under safety fence posts.
  8. Where descibed in Appendix 5/2, 14/4 or 15/1 marker block terminals shall be replaced with duct chambers.
  9. For motorway communications cable ducts, see HCD Drawing Number MCX 0814.

HIGHWAY CONSTRUCTION DETAILS	UNDERGROUND CABLE DUCTS	B	MAY 04	LONGITUDINAL SECTIONS AND DETAILS OF TRANSVERSE DUCTS	Drawing No.
		A	DEC 91		I1
		Issue	Date		

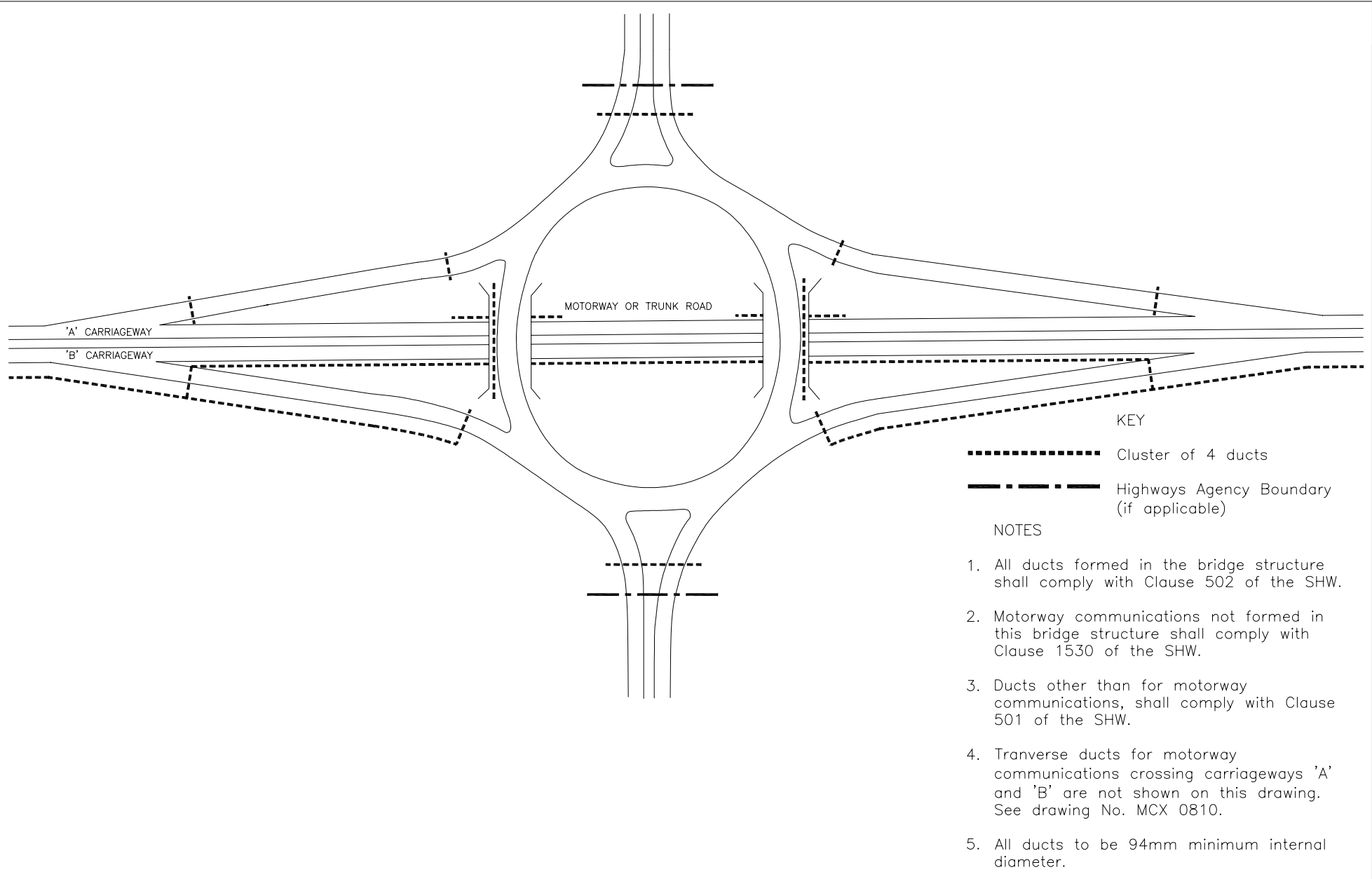


Duct Material	Cover Material	X	Y
Clay	Pipe bedding material	100	50
PVC-U and other alternative materials permitted in Series 500, Table 5/2	ST2 concrete to Clause 2602	75	150
Ductile iron	Either of above materials or sub-base material to Clause 803	as above 150	0

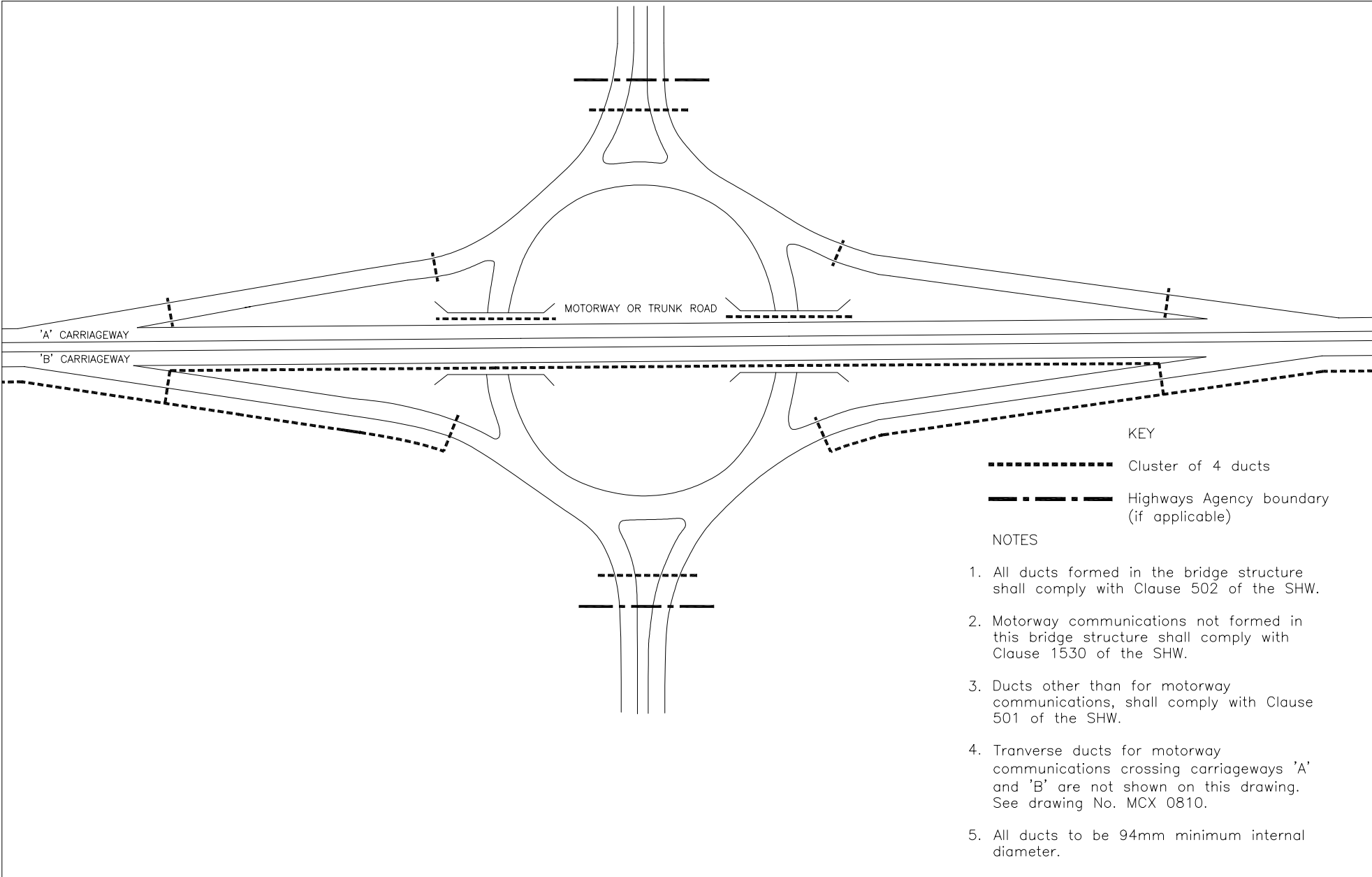


DETAIL OF MANDREL  
(Required to pass through the whole length of completed ducts with curved ends)

- NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES.
  2. Pipe bedding material shall comply with Clause 503 of the S.H.W.
  3. Class 8 lower trench fill shall comply with Table 6/1 of the S.H.W.
  4. Alternatively ducts shall be laid to limits described in Appendices 5/2, 14/4 or as shown on the Drawings.
  5. For motorway communications cable ducts, see HCD Drawing Number MCX 0814.



HIGHWAY CONSTRUCTION DETAILS	UNDERGROUND CABLE DUCTS			DUCTS FOR MOTORWAY CABLES AT INTERCHANGE OVERBRIDGES	Drawing No.
		A	May 02		I3
		Issue	Date		



HIGHWAY CONSTRUCTION DETAILS	UNDERGROUND CABLE DUCTS			DUCTS FOR MOTORWAY CABLES AT INTERCHANGE UNDERBRIDGES	Drawing No.
		A	May 02		I4
		Issue	Date		

