VOLUME 3 HIGHWAY CONSTRUCTION DETAILS

HIGHWAY CONSTRUCTION DETAILS

AMENDMENT NOVEMBER 2008

SUMMARY

This document contains the replacement pages and drawings for incorporation into the Highway Construction Details.

INSTRUCTIONS FOR USE

- Insert the replacement pages and drawings listed on the Amendments sheet (Amendment November 2008), remove the corresponding existing pages and drawings, which are superseded by this amendment, and archive as appropriate. (Advice on archiving is given in Standard SD 0/08)
- 2. Insert the latest Amendments sheet dated November 2008 at the front of the document.
- 3. Enter details of Amendment November 2008 on the Registration of Amendments sheet, sign and date to confirm that the amendment has been incorporated.
- 4. Archive this sheet as appropriate.

Note: A quarterly index with a full set of Volume Contents Pages is available separately from The Stationery Office Ltd.

MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS

A BRIEF DESCRIPTION OF NOVEMBER 2008 AMENDMENTS

VOLUME 3

DOCUMENT	DESCRIPTION
Volume 3	Highway Construction Details (MCHW 3)
General	The user's attention is drawn to the following note which has been abstracted from Implementing Standard SD 26/08:
	"Contracts for which tenders are to be invited after 1 May 2009 shall incorporate by reference the amendments implemented by this Standard, except where the preparation of a contract has reached a stage at which in the opinion of the Overseeing Organisation use of the amendments would result in significant additional expense or delay progress."
	The user's attention is drawn to GD 03/08 (DMRB 0.2.2) Implementation and Use of the Standards Improvement System. This Standard superseded HD 34/03 which introduced the Standards Improvement System (SIS).
	SIS is a computerised database of reports generated from failures of specifications and design standards and other observations on these documents. The database records potential improvements using lists of components, symptoms, diagnoses and detailed descriptions. SIS is operated and maintained by the Highways Agency. Its prime objective is to improve the performance of the engineering standards and specifications published by the Highways Agency, both independently and jointly with other Overseeing Organisations.
	Feedback Arrangement
	To provide feedback on the Highways Agency's standards and specifications, please use this link: http://www.highways-net.co.uk/information/dmrbaccess.asp
Section 1 Series D Drawings Carriageway Markings for Rural Motorways	Drawing Nos. D1 Issue C, D2 Issue D, D5 Issue E and D6 Issue D: 1. White studs are amended from 'bidrectional' to 'unidirectional'.

Manual of Contract Documents for Highway Works

Amendment - November	2008 to	Volume 3 -	Highway	Construction	Details
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Replace existing pages: i/ii and vii/viii with new pages i/ii and vii/viii

For Series D: remove existing pages D1 to D2 and D5 to D6 and replace with new pages D1 to D2 and D5 to D6

Publisher's Note

- 1. The Specification for Highway Works and its Notes for Guidance to which the Highway Construction Details relate are published by The Stationery Office in Volumes 1 and 2 of the Manual of Contract Documents for Highway Works, and are for use in Highway Works Contracts.
- 2. The Method of Measurement for Highway Works and a Library of Standard Item Descriptions to which the Highway Construction Details relate are published by The Stationery Office in Volume 4 of the Manual of Contract Documents for Highway Works.

VOLUME 3 (with continuation binder 3a)

HIGHWAY CONSTRUCTION DETAILS

Section 1 Carriageway and Other Details

Drawings dated December 1991, August 1993, August 1994 and March 1998

Series A drawings (Highway Cross Sections) have been superseded by TD 27/96 in DMRB Volume 6

Amendment dated March 1999 - revision B to drawing D5

Amendment dated May 2001 - revisions to Series C, D, F, H and K drawings

Amendment dated May 2002 - revisions to Series B, C, G, I and K drawings

Amendment dated February 2003 - revisions to Series G drawings

Amendment dated August 2003 - revisions to Series D drawings

Amendment dated November 2003 - revisions to Series F and G drawings

Amendment dated May 2004 - revisions to Series B, C, E, G, H, I and K drawings

Amendment dated November 2004 - revisions to Series B and F drawings

Amendment dated May 2005 - revisions to Series F drawings

Amendment dated November 2005 - revisions to Series G drawings

Amendment dated May 2006 - revisions to Series B, C and F drawings

Amendment dated November 2006 - revisions to Series E and H drawings

Amendment dated November 2008 - revisions to Series D drawings

Section 2 Not Used (05/04)

Section 3 National Motorway Communications System Installation Drawings

Amendment dated May 2002 - revised all the National Motorway Communications System Installation Drawings which were introduced in the Amendment dated May 2001.

Amendment dated February 2003 - revisions to the National Motorway Communications System Installation Drawings

Amendment dated August 2003 - revisions to the National Motorway Communications System Installation Drawings

Amendment dated November 2003 - revisions to the National Motorway Communications System Installation Drawings

Amendment dated May 2004 - revisions to the National Motorway Communications System Installation Drawings

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Amendment dated November 2004 - revisions to the National Motorway Communications System Installation Drawings

Amendment dated May 2005 - revisions to the National Motorway Communications System Installation Drawings

Amendment dated November 2005 - revisions to the National Motorway Communications System Installation Drawings

Amendment dated May 2006 - revisions to the National Motorway Communications System Installation Drawings

Amendment dated November 2006 - revisions to the National Motorway Communications System Installation Drawings

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REGISTRATION OF AMENDMENTS

Amendment No.	Page/Drg No.	Signature & Date of Incorporation of Amendment	Amendment No.	Page/Drg No.	Signature & Date of Incorporation of Amendment

December 1991 iii

SCHEDULE OF NUMBERED PAGES AND RELEVANT PUBLICATION DATES

		Page Number	Publication Date
Introduction		1	March 1998
List of Drawings	Section 1	2 3 4 5 6 7 8 9 10 11 12	March 1998 May 2004 May 2006 May 2001 May 2004 May 2001 November 2005 May 2001 May 2002 December 1991 May 2001
	Section 2 Section 3	13 to 14 inclusive Not Used 15 to 18 inclusive 19 to 20 inclusive 21 22 to 25 inclusive 26 to 27 inclusive 28	May 2004 May 2006 May 2004 May 2006 May 2004 May 2006 May 2006 November 2005

SCHEDULE OF DRAWINGS - SECTION 1 AND RELEVANT PUBLICATION DATES

Series	Drawing Number	Issue	Publication Date
A	Not Used		
В	B1 B2 B3 B4 to B5 inclusive B6 to B7 B8 B9 B10 B11 B12 B13 B14 B15 B16 to B17 inclusive B18	B B C C C B C F C D C E B C C C	May 2006 August 1993 May 2002 May 2006 May 2002 May 2002 May 2006 May 2006 May 2006 May 2002 May 2002 May 2002 May 2002 May 2004 March 1998 May 2004 May 2004
C	C1 C2 C3 to C4 inclusive C5 C6 C7/1, C7/2, C7/3 C8/1, C8/2 C9 C10/1, C10/2 C11 C12 to C15 inclusive C16 C17 C18 C19 C20 C21 to C22 inclusive C23 C24 C25 C26	E C E C B B B C B C E C D C C B	May 2006 May 2006 May 2006 May 2006 May 2001 May 2006 May 2006 May 2006 May 2006 May 2006 March 1998 May 2006
D	D1 D2 D3 to D4 inclusive D5 D6 (D7 Not Used)	C D C E D	November 2008 November 2008 August 2003 November 2008 November 2008
Е	E1 E2 E3 E4 to E5 inclusive	A B B	December 1991 November 2006 August 1993 May 2004

Series	Drawing Number	Issue	Publication Date
F	F1	A	December 1991
	F2	C	November 2003
	F3	E	May 2006
	F4	E	May 2006
	F5 to F6 inclusive	F	November 2004
	F7	E	May 2006
	(F8 Not Used)		
	F9	В	May 2001
	F10	C	November 2003
	F11 to F12 inclusive	F	May 2006
	F13 to F14 inclusive	E	May 2006
	F15	C	November 2004
	F16	B	November 2004
	F17	A	March 1998
	F18 to F21 inclusive	A	December 1991
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	F24	C	November 2004
	F25 to F26 inclusive	C	May 2006
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G	G1	Е	November 2005
	G2	D	November 2005
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	G14 to G15 inclusive	D	November 2005
	G16	F	November 2005
	G17	E	November 2005
	G18 to G22 inclusive	D	November 2005
	G23	E	November 2005
	G24	D	November 2005
	G25 to G28 inclusive	C	November 2005
	G29 to G30 inclusive	D	November 2005
	G31 to G32 inclusive	C	November 2005

Series	Drawing Number	Issue	Publication Date
Н	H1	С	May 2004
	H2	В	May 2004
	H3	D	May 2004
	H4	C	May 2004
	H5	D	May 2004
	Н6	C	May 2004
	H7	A	December 1991
	H8	В	May 2001
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	H15	D	May 2004
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	H17 to H25 inclusive	В	May 2004
	H26	В	May 2001
	H27 to H33 inclusive	A	December 1991
	H34 to H35 inclusive	C	May 2004
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	H37	A	December 1991
	H38	В	March 1998
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I	I1 to I2 inclusive	В	May 2004
	I3 to I5 inclusive	A	May 2002
J	J1	A	December 1991
K	K1 to K3 inclusive	A	December 1991
	K4	C	May 2004
	K5	A	May 2001

SECTION 2 (Not Used)

Series	Drawing Number	Issue	Publication Date
MCX	(MCX 0000 to MCX 0068 not used)		
WEA	MCX 0069 Sheet 1	Н	May 2006
	MCX 0069 Sheet 2 to Sheet 7 inclusive	F	May 2006
	(MCX 0070 to MCX 0130 not used)		Way 2000
	MCX 0131 Sheet 1	N	May 2006
	MCX 0131 Sheet 2 to Sheet 3 inclusive	H	May 2006
	MCX 0132 Sheet 1	N	May 2006
	MCX 0132 Sheet 2	P	May 2006
	MCX 0132 Sheet 3	J	May 2006
	MCX 0132 Sheet 4 to Sheet 5 inclusive	K	May 2006
	MCX 0132 Sheet 6	F	May 2006
	MCX 0132 Sheet 7 to Sheet 8 inclusive	D	May 2006
	(MCX 0133 not used)		111dy 2000
	MCX 0134 Sheet 1	N	May 2006
	MCX 0135 Sheet 1	J	May 2006
	MCX 0135 Sheet 2	H	May 2006
	MCX 0135 Sheet 3	G	May 2006
	MCX 0135 Sheet 4	F	May 2006
	(MCX 0136 not used)	1	111dy 2000
	MCX 0137 Sheet 1	K	May 2006
	MCX 0137 Sheet 1	N	November 2005
	MCX 0138 Sheet 2	G	May 2004
	MCX 0138 Sheet 2 MCX 0139 Sheet 1	K	May 2006
	MCX 0149 Sheet 1	S	November 2005
	MCX 0140 Sheet 1 MCX 0141 Sheet 1	P	February 2003
	I	M	*
	MCX 0142 Sheet 1 MCX 0142 Sheet 2	L	May 2006
	MCX 0142 Sheet 2 MCX 0142 Sheet 3	K	May 2006
		I	May 2006
	MCX 0142 Sheet 4	J	May 2006
	MCX 0143 Sheet 1	R	November 2005
	MCX 0144 Sheet 1 to Sheet 2 inclusive	J	November 2003
	MCX 0144 Sheet 3	F	May 2004
	MCX 0144 Sheet 4	E	May 2004
	MCX 0145 Sheet 1	S	May 2006
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	MCX 0145 Sheet 3	G	May 2002
	MCX 0145 Sheet 4	L	May 2006
	MCX 0145 Sheet 5	F	May 2006
	MCX 0146 Sheet 1	L	February 2003
	MCX 0147 Sheet 1	N	May 2006
	MCX 0147 Sheet 2	K	May 2006
	(MCX 0148 not used)	11	N. 2006
	MCX 0149 Sheet 1	Н	May 2006
	MCX 0149 Sheet 2	G	May 2006
	MCX 0150 Sheet 1	H	May 2006
	MCX 0151 Sheet 1	L	May 2006
	MCX 0151 Sheet 2	K	May 2006
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	MCX 0151 Sheet 4 to Sheet 5 inclusive	H	May 2006
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Series	Drawing Number	Issue	Publication Date
MCX	MCX 0152 Sheet 1	M	May 2006
	MCX 0152 Sheet 2	Н	May 2006
	MCX 0153 Sheet 1	M	November 2005
	MCX 0153 Sheet 2	F	November 2005
	MCX 0154 Sheet 1	N	May 2006
	(MCX 0155 not used)		
	MCX 0156 Sheet 1	S	May 2006
	MCX 0156 Sheet 2	P	May 2006
	MCX 0156 Sheet 3	N	May 2006
	MCX 0156 Sheet 4	Q	May 2006
	MCX 0156 Sheet 5	K	May 2006
	MCX 0157 Sheet 1	J	May 2006
	MCX 0157 Sheet 2	H	May 2006
	MCX 0157 Sheet 3	J	May 2006
	MCX 0157 Sheet 4	H	May 2006
	MCX 0157 Sheet 5	J	May 2006
	MCX 0157 Sheet 6	G	May 2006
	(MCX 0157 Sheet 0 (MCX 0158 to MCX 0159 not used)		1 v1u y 2000
	MCX 0160 Sheet 1	L	May 2004
	(MCX 0161 to MCX 0162 not used)	L	141ay 2004
	MCX 0163 Sheet 1	J	May 2006
	MCX 0103 Sheet 1 MCX 0164 Sheet 1	J	May 2004
	MCX 0104 Sheet 1 MCX 0164 Sheet 2	L	May 2004 May 2006
	MCX 0104 Sheet 2 MCX 0164 Sheet 3	J	May 2006
	MCX 0104 Sheet 3 MCX 0164 Sheet 4	A	May 2004
	MCX 0104 Sheet 4 MCX 0165 Sheet 1	H	May 2004 May 2006
	MCX 0103 Sheet 1 MCX 0165 Sheet 2	K	May 2006
	MCX 0103 Sheet 2 MCX 0165 Sheet 3	H	May 2006
	MCX 0103 Sheet 3 MCX 0165 Sheet 4	D	May 2006
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	MCX 0170 Sheet 1	M	May 2006
	MCX 0170 Sheet 1 MCX 0170 Sheet 2	N N	May 2006
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		E	May 2006
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	MCX 0171 Sheet 1	J	February 2003
	MCX 0171 Sheet 2	F	May 2006
	(MCX 0172 to MCX 0305 not used)	,	May 2006
	MCX 0306 Sheet 1 to Sheet 2 inclusive	J	May 2006
	MCX 0306 Sheet 3	Н	May 2006
	(MCX 0307 to MCX 0336 not used)		M 2006
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	AND RELEVANT PUBLICAT	ION DATE	S (continuea)
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MCX	(MCX 0338 not used)		
	MCX 0339 Sheet 1 to Sheet 2 inclusive	K	May 2006
	MCX 0339 Sheet 3	G	May 2006
	MCX 0339 Sheet 4	F	May 2006
	(MCX 0340 to MCX 0425 not used)		
	MCX 0426 Sheet 1 to Sheet 2 inclusive	Н	May 2006
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	MCX 0490 Sheet 3	K	November 2005
	MCX 0490 Sheet 3 MCX 0490 Sheet 4	N N	November 2005
	MCX 0490 Sheet 4 MCX 0490 Sheet 5	L	May 2006
		L	Way 2000
	(MCX 0491 to MCX 0508 not used)	D	Mar. 2006
	MCX 0509 Sheet 1	D	May 2006
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	(MCX 0510 to MCX 0514 not used)		2006
	MCX 0515 Sheet 1 to Sheet 3 inclusive	E	May 2006
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	MCX 0542 Sheet 1 to Sheet 4 inclusive	G	May 2006
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	MCX 0552 Sheet 1 to Sheet 2 inclusive	E	May 2006
	(MCX 0553 to MCX 0559 not used)		
	MCX 0560 Sheet 1	F	May 2006
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	MCX 0565 Sheet 1	F	May 2006
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	MCX 0584 Sheet 2 MCX 0584 Sheet 3 to Sheet 5 inclusive	L	November 2003
	MCX 0384 Sheet 5 to Sheet 5 inclusive	J	May 2006
	MCX 0384 Sheet 6 MCX 0584 Sheet 7	K	May 2006
	MICA 0304 SHCCL /	I.V.	141ay 2000

Series	Drawing Number	Issue	Publication Date
MCX	MCX 0584 Sheet 8	Н	February 2003
	MCX 0584 Sheet 9	Н	May 2006
	MCX 0584 Sheet 10	J	May 2006
	(MCX 0585 to MCX 0586 not used)		
	MCX 0587 Sheet 1 to Sheet 3	D	May 2006
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	(MCX 0588 to MCX 0589 not used)		
	MCX 0590 Sheet 1	Н	May 2006
	MCX 0591 Sheet 1	Н	May 2006
	MCX 0592 Sheet 1	G	May 2006
	MCX 0592 Sheet 2 to Sheet 4 inclusive	Е	November 2005
	(MCX 0593 not used)		
	MCX 0594 Sheet 1 to Sheet 2 inclusive	G	May 2006
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	(MCX 0595 to MCX 0601 not used)		
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	(MCX 0724 to MCX 0799 not used)		141ay 2000
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	MCX 0811 Sheet 1	I	May 2006
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	(MCX 0816 to MCX 0819 not used)		
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	(MCX 0825 to MCX 0829 not used)		
	MCX 0830 Sheet 1	E	February 2003
	MCX 0831 Sheet 1	F	May 2006
	MCX 0832 Sheet 1	Н	May 2006
	MCX 0832 Sheet 2	Е	May 2006
	MCX 0833 Sheet 1	F	February 2003
	MCX 0833 Sheet 2	E	February 2003
	MCX 0834 Sheet 1 to Sheet 3 inclusive	E	May 2006
	MCX 0834 Sheet 4 to Sheet 6 inclusive	E	November 2005
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	(MCX 0835 to MCX 0850 not used)	1	1114, 2000
	MCX 0851 Sheet 1	E	May 2006
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	MCX 0852 Sheet 1	F	May 2006
	MCX 0853 Sheet 1 to Sheet 3 inclusive	E	May 2006
	MCX 0853 Sheet 1 to Sheet 3 inclusive	E	May 2006
	(MCX 0855 to MCX 0860 not used)		Way 2000
	MCX 0861 Sheet 1 to Sheet 3 inclusive	E	May 2006
	MCX 0861 Sheet 1 to Sheet 3 inclusive	E	May 2006
	MCX 0862 Sheet 1 to sheet 3 hichusive	F	*
	MCX 0803 Sheet 1 MCX 0864 Sheet 1	F	May 2006
	MCX 0864 Sheet 2 to Sheet 3 inclusive	E	May 2006
		G	May 2004
	MCX 0864 Sheet 4		May 2004
	MCX 0864 Sheet 5	E F	May 2004
	MCX 0864 Sheet 6		May 2004
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	(MCX 0865 to MCX 0870 not used)		M 2006
	MCX 0871 Sheet 1	F	May 2006
	MCX 0871 Sheet 2 to Sheet 3 inclusive	E	May 2006
	MCX 0872 Sheet 1	E	May 2006
	MCX 0873 Sheet 1	F	May 2006
	MCX 0873 Sheet 2	D	May 2006
	(MCX 0874 to MCX 0898 not used)		2006
	MCX 0899 Sheet 1	F	May 2006
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	MCX 1022 Sheet 1 to Sheet 3	B	May 2006
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	MCX 1022 Sheet 5	В	May 2006
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	MCX 1026 Sheet 1	B	November 2006
	MCX 1026 Sheet 2 to Sheet 4 inclusive	A	February 2003
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HIGHWAY CONSTRUCTION DETAILS

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Introduction

- 1. The Highway Construction Details (HCD) is published as Volume 3 of the Manual of Contract Documents for Highway Works and contains standard drawings for use in the construction, improvement and maintenance of trunk roads.
- 2. The numbers, titles and dates of the individual drawings, or parts of drawings, included in the Contract are listed in Appendix 0/4 to the Specification.
- 3. The following apply to each drawing unless otherwise stated thereon:
 - i. SHW means the Specification for Highway Works published by The Stationery Office as Volume 1 of the Manual of Contract Documents for Highway Works.
 - ii. Reference to a Clause is a reference to a Clause of the Specification for Highway Works.
 - iii. Reference to a Numbered Appendix (eg. Appendix 3/1) is a reference to a Numbered Appendix to the Specification.

The relevant publication date of each Clause is to be determined from the Schedule of Pages and Relevant Publication Dates in the Specification.

The relevant publication date of each British Standard (BS) and other reference document referred to in the HCD is to be determined in accordance with Clause 004 of the Specification.

March 1998

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March 1998 2

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G24	Loop (Inductive) All-Purpose Roads - Detail of Cable Entry to the Footway
G25	Loop (Inductive) All-Purpose Roads - Detail of Carriageway Box Chamber
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- H15 Accommodation Works Timber Post and 3 Rail Fences H16 Accommodation Works Woven and Lap Boarded Panel Fences
- H17 Steel Single Field Gate
- H18 Steel Half Mesh Single Field Gate
- H19 Steel Extra Wide Single Field Gate
- H20 Steel Double Field Gate
- H21 Timber Single Field Gate
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- H23 Timber Wicket Gate Type 1
- H24 Timber Wicket Gate Type 2
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- H26 Hinges for Steel Field Gates
- H27 'D' Latch, Type A for Steel Single Field Gates
- Sliding Bolt Latch, Type B for Steel Single Field Gates H28
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- Longitudinal Sections and Details of Transverse Ducts
 Duct Trench Cross-Sections and Details of Mandrel
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J1 Example Layouts for Longitudinal Construction Joints in Cement-Bound Roadbases

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- K1 Road Lighting Column Fastener Head In Door Recess and Key
- K2 Bedding Mortar Test Apparatus for Flow between Glass Plates
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- K4 Typical Bench Reinstatement Details for Bituminous and Concrete Pavements
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Drg No.	Sheet No.	Title
MCX 0000 to		
MCX 0068		Not Used
MCX 0069	1	Installation Drawing NMCS 1 & 2, Signal Alignment & Sighting Post Details
		(Alignment of Motorway Matrix Indicators - Post Mounted)
MCX 0069	2	Installation Drawing NMCS 1 & 2, Gantry Signal Indicator Alignment Details
MCX 0069	3	Installation Drawing NMCS 2, Motorway Signals Mk3 and Message Signs,
111011 000)	J	Cantilever Sign Setting Out and Optical Alignment
MCX 0069	4	Installation Drawing NMCS 2, Motorway Signals Mk3 and Message Signs,
111011 000)	•	Cantilever Sign Setting Out and Optical Alignment
MCX 0069	5	Installation Drawing NMCS 2, Motorway Signals Mk3 and Message Signs,
WC21 000)	3	Cantilever Sign Setting Out and Optical Alignment
MCX 0069	6	Installation Drawing NMCS 2, Motorway Signals Mk3 and Message Signs,
WICH 000)	O	Cantilever Sign Setting Out and Optical Alignment
MCX 0069	7	Installation Drawing NMCS 2, Motorway Signals Mk3 and Message Signs,
WC21 000)	,	Cantilever Sign Setting Out and Optical Alignment
MCX 0070 to		Cantilevel Sign Setting Out and Optical Anglinient
MCX 0130		Not Used
MCX 0131	1	Installation Drawing NMCS 1, Typical Schematic Drawings & Schedule of
WCZ 0151	1	Symbols
MCX 0131	2	Installation Drawing NMCS 2, Symbol Schedule for Signals, Telephones &
WCZ 0151	2	MIDAS Schematics
MCX 0131	3	Installation Drawing NMCS 2, Typical Layouts for Signals, Telephones &
WICA 0131	3	MIDAS Schematics
MCX 0132	1	Installation Drawing NMCS 1 & 2, Box 615 with Terminator Frame Fitted
MCX 0132	2	Installation Drawing NMCS 1 & 2, Terminator Frame Type 13C (Wiring)
MCX 0132 MCX 0132	3	Installation Drawing NMCS 1 & 2, Terminator Frame Type 13C (Wiring)
MCX 0132 MCX 0132	4	Installation Drawing NMCS 1 & 2, Terminator Frame Type 14C (Willing)
MCX 0132 MCX 0132	5	Installation Drawing NMCS 1 & 2, Terminator frame Type 13 and 14,
WICA 0132	3	Building Out and Tag Strip Wiring Details
MCX 0132	6	Installation Drawing NMCS 1, Terminator Frame Type 14C (Wiring 30 pr –20 pr)
MCX 0132	7 8	Installation Drawing NMCS 1, with 21 bit I/F Terminator Frame Type 14C
MCX 0132	0	Installation Drawing NMCS 2, Terminator Frame Type 14C (Wiring 30 pr –20 pr)
MCX 0133	1	Not Used
MCX 0134	1	Installation Drawing NMCS 1 & 2, Termination Arrangement Within Box 615
MCV 0125	1	(Local Side)
MCX 0135	1	Installation Drawing NMCS, Telephone and Housing 611 (Armoured Cable)
MCX 0135	2	Installation Drawing NMCS, Telephone 352 (Armoured Cable) Fitting of
MCV 0125	2	Lightning Protection Device
MCX 0135	3	Installation Drawing NMCS, Telephone and Housing 611 (Non-Armoured Cable)
MCX 0135	4	Installation Drawing NMCS, Telephone 352 (Non-Armoured Cable) Fitting
MOV 0127	1	of Lightning Protection Device
MCX 0136	1	Not Used
MCX 0137	1	Installation Drawing NMCS, Method of Sealing Cable Ends
MCX 0138	1	Installation Drawing NMCS 1 & 2, Typical Access Steps
MCX 0138	2	Installation Drawing NMCS 1 & 2, Typical Safety Handrail Details

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	Drg No.	Sheet No.	Title
	MCX 0139	1	Installation Drawing NMCS 1 & 2, Cabinet 609 with Box 615MCX 0140 01
	1.601.01.41		Installation Drawing NMCS, Foundation for Cabinets (600, 609 & 617)
	MCX 0141	1	Installation Drawing NMCS 1 & 2, Cable Trench for Armoured Cable
	MCX 0142	1	Installation Drawing NMCS 1 & 2, Cable Arrangement on Gantry, Typical 2
		_	or 3 Lane Arrangement (Schematic)
	MCX 0142	2	Installation Drawing NMCS 2, Cable Arrangements on Gantry, Typical 4 or 5 Lane
			Arrangement (Schematic)
	MCX 0142	3	Installation Drawing NMCS 1, Cable Arrangements on Gantry, Typical 4 or 5 Lane
			Arrangement (Schematic)
	MCX 0142	4	Installation Drawing NMCS 1 & 2, Cable Arrangements on Gantry, Mounting Plate Details
	MCX 0143	1	Installation Drawing NMCS 1 & 2, Post 71 with Hardstanding and Housing 611
	MCX 0144	1	Installation Drawing NMCS, Post Mounted Signals, Foundation Parameters for
			Signal 111 (Post 75E)
	MCX 0144	2	Installation Drawing NMCS, Post Mounted Signals, Foundation Parameters
			for Signal 113 (Post 75E)
	MCX 0144	3	Installation Drawing NMCS, Post Mounted Signals, General Assembly of Signal
			Type 111 (Single)
	MCX 0144	4	Installation Drawing NMCS, Post Mounted Signals, Brackets and Clamp (Signals 111 and 113)
	MCX 0145	1	Installation Drawing NMCS 1 & 2, Labels for Cabinets 600, 609 & Post 75
	MCX 0145	2	Installation Drawing NMCS 1 & 2, Labels for Signal Posts
	MCX 0145	3	Installation Drawing NMCS 1 & 2, Labels for Gantries
	MCX 0145	4	Installation Drawing NMCS 1 & 2, System Identification of Labels for Cabinets &
			Posts 75/85
	MCX 0145	5	Installation Drawing NMCS, Type VI Label for Target Boards
	MCX 0146	1	Installation Drawing NMCS, Cabinet 609/620 Set in Standard Motorway Fence
	MCX 0147	1	Installation Drawing NMCS, Labels for Cables & Telephone Housing
	MCX 0147	2	Installation Drawing NMCS, Telephone Instruction For Use Label
I	MCX 0148		Not Used
	MCX 0149	1	Installation Drawing NMCS 1 & 2, Cabinet 609 - Typical Siting to Allow for Extra
	1,1011 01 19	-	Cable Length
	MCX 0149	2	Installation Drawing NMCS 1 & 2, Standard Transverse Cabling Arrangements at
	1,1011 01 19	-	Cabinet Locations
	MCX 0150	1	Installation Drawing NMCS 1 & 2, Cabinet 609 - Typical Siting to Allow for Extra
	111011 0100	-	Fibre Optic Cable Length
	MCX 0151	1	Installation Drawing NMCS 1, Distributor 903B for Gantry Signals
	MCX 0151	2	Installation Drawing NMCS 2, Data Link Connection Box Type 9903 for Gantry Signals
	MCX 0151	3	Installation Drawing NMCS 2, Data Link Connection Box Type 9904 for Gantry
	WICZ 0151	3	Signals
	MCX 0151	4	Installation Drawing NMCS 2, Data Link Connection Box Cable Pair Allocation
	MCX 0151	5	Installation Drawing NMCS 2, 20/30 to 2 Pair Quad Cable Gland Conversion Kit
	MCX 0151 MCX 0151	6	Installation Drawing NMCS 2, Data Link Connection Box Type 9905 for
	WICA 0131	O	Cantilever MS3 Signals
	MCX 0151	7	Installation Drawing NMCS 2, Data Link Connection Box Type 9905 for
	1410/1 0131	,	Gantry Message Signs
	MCX 0151	8	Installation Drawing NMCS 2, Data Link Connection Box Type 9903 for
	IVICA UIJI	U	Cantilever Mk3 Signals
			Cantilevel ivias signals

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	Drg No.	Sheet No.	Title
	MCX 0152	1	Installation Drawing NMCS 1, Distributor 902E & B (MK2) for Post Signals
	MCX 0152	2	Installation Drawing NMCS 2, Data Link Connection Box Type 9902
	MCX 0152 MCX 0153	1	Installation Drawing, Layout of Communications Cabinets, Posts, Ducts &
	WCX 0133	1	Hardstanding
	MCX 0153	2	Installation Drawing NMCS 1 & 2, Communications Cable Trough Detail
	MCX 0154	1	Installation Drawing NMCS, Typical Communications Cable Layout in
			Cabinet 609 (Plan View)
	MCX 0155		Not Used
	MCX 0156	1	Installation Drawing NMCS, Cabinet 600
	MCX 0156	2	Installation Drawing NMCS, Cabinet 600, Cable Securing and Earthing Detail
	MCX 0156	3	Installation Drawing NMCS 1, Cabinet 600, Wiring Details for Plessey TBU
	MCX 0156	4	Installation Drawing NMCS 2, Cabinet 600 - Power Supply to PDU and
	WICA 0130	4	Extended Mains Supply
ī	MCX 0156	5	Installation Drawing NMCS 2, Cabinet 600 - Power Supply to PDU and Extended Mains
ı	WICA 0130	3	Supply Alternative Arrangement for MS3
	MCV 0157	1	
	MCX 0157	1	Installation Drawing NMCS 2, Motorway Signals Interconnections of Equipment on
	MCV 0157	2	Gantries (Config. P) (Type Numbers of Equipment Shown) Installation Drawing NMCS 2, Motorway Signals Interconnections of Equipment on
	MCX 0157	2	
	MCV 0157	2	Gantries (Config. P) (Type Numbers of Equipment Shown)
	MCX 0157	3	Installation Drawing NMCS 2, Motorway Signals Interconnections of Equipment on
	MOV 0157	4	Gantries (Config. F) (Type Numbers of Equipment Shown)
	MCX 0157	4	Installation Drawing NMCS 2, Motorway Signals Interconnections of Equipment on
	N. COM 0155	_	Gantries (Config. F) (Type Numbers of Equipment Shown)
	MCX 0157	5	Installation Drawing NMCS 2, Signals Interconnections of Equipment on Rural Sites
	1.601.0155		(Config. P & F) (Type Numbers of Equipment Shown)
	MCX 0157	6	Installation Drawing NMCS 2, Gantry Data Link Connection Boxes, Standard and
			Extension Arrangements
	MCX 0158 to		
	MCX 0159		Not Used
	MCX 0160	1	Installation Drawing NMCS, Safety Barrier Protection of Cabinets - Guide
	MCX 0161 to		
	MCX 0162		Not Used
	MCX 0163	1	Installation Drawing NMCS 1 & 2, Box Type 615B
	MCX 0164	1	Installation Drawing NMCS 1 & 2, ESC Interface Cabinet, Layout for Non Transmission
			Station Locations
	MCX 0164	2	Installation Drawing NMCS 1 & 2, ESC Interface Cabinet, Notes
	MCX 0164	3	Installation Drawing NMCS 1 & 2, ESC Interface Cabinet, Parts List
	MCX 0164	4	Installation Drawing NMCS 1 & 2, ESC Interface Cabinet, Layout for Transmission Station
			Locations
	MCX 0165	1	Installation Drawing NMCS 1 & 2, Rural Power Cabinet, Typical Layout
	MCX 0165	2	Installation Drawing NMCS 1 & 2, Rural Power Cabinet, Notes
	MCX 0165	3	Installation Drawing NMCS 1 & 2, Rural Power Cabinet, Parts List
	MCX 0165	4	Installation Drawing NMCS 1 & 2, Rural Power Cabinet, Rural Signal Interface
	MCX 0166 to		
	MCX 0169		Not Used
	MCX 0170	1	Installation Drawing NMCS, Gantry Power Cabinet, Notes
	MCX 0170	2	Installation Drawing NMCS, Gantry Power Cabinet, Circuit Diagrams
	MCX 0170	3	Installation Drawing NMCS, Gantry Power Cabinet, Circuit Diagrams
		-	5

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	Drg No.	Sheet No.	Title
	MCX 0170	4	Installation Drawing NMCS, Gantry Power Cabinet, Standard Situation
	MCX 0170	5	Installation Drawing NMCS, Cantilever Power Cabinet, Two Way Consumer
	1,1011 0170	2	Unit Arrangement
	MCX 0170	6	Installation Drawing NMCS, Gantry Power Cabinet, Gantry with Auxiliary Supply
	MCX 0170	7	Installation Drawing NMCS, Gantry Power Cabinet, Double Gantry
	101021 0170	,	(ESC Supply Side)
	MCX 0170	8	Installation Drawing NMCS, Gantry Power Cabinet, Double Gantry
	MCX 0170	9	Installation Drawing NMCS, Gantry Power Cabinet, Parts List
	MCX 0170	1	Installation Drawing NMCS, Labels For Use on Electrical Switchgear Enclosures
	MCX 0171 MCX 0171	2	Installation Drawing NMCS, Parts
	MCX 0171 MCX 0172 to	2	instantation Drawing Nates, 1 arts
	MCX 0305		Not Used
	MCX 0306	1	Installation Drawing NMCS 1 & 2, Cabinet 617 Audio Transmission Stations
	MCX 0306	2	Installation Drawing NMCS 1 & 2, Cabinet 617 Mini-Carrier Transmission Stations
	MCX 0306	3	Installation Drawing NMCS 1 & 2, Cabinet 617 Labelling for Transmission Station
	MCX 0300 MCX 0307 to	3	instantation Drawing twices 1 & 2, Cabilet 017 Labelling for Transmission Station
	MCX 0307 to MCX 0336		Not Used
	MCX 0330 MCX 0337	1	Installation Drawing NMCS 1 & 2, Cabinet 600 Wiring
	MCX 0337 MCX 0337	2	Installation Drawing NMCS 1 & 2, Cabinet 600 Wiring for Interface Unit Type 2456
	MCX 0337 MCX 0337	3	Installation Drawing NMCS 1, Cabinet 600 (Pre 1974 only) Wiring for Interface
	WICA 0557	3	Unit Type 2456
	MCX 0337	4	Installation Drawing NMCS 1 & 2, Cabinet 600 Wiring for Interface Unit Type 9334
	MCX 0337 MCX 0337	5	Installation Drawing NMCS 1 & 2, Cabinet 600 Willing for Interface Unit Type 9334 Installation Drawing NMCS 2, MS3/Message Signs 600 Cabinet Termination
	WICA 0557	3	NMCS 2 Control - Cantilever Sites
	MCX 0337	6	Installation Drawing NMCS 2, MS3/Message Signs 600 Cabinet Termination
	WICA 0557	U	NMCS 2 and Standalone Control - Cantilever Sites
	MCX 0337	7	Installation Drawing NMCS 2, Message Signs 600 Cabinet Termination
	WICA 0557	,	NMCS 2 Control - Gantry Sites
	MCX 0337	8	Installation Drawing NMCS 2, Message Signs 600 Cabinet Termination
	WICH 0337	O	Standalone Control Gantry Sites
	MCX 0337	9	Installation Drawing NMCS, Parts
	MCX 0337 MCX 0337	10	Installation Drawing NMCS 1 & 2, TS Marshalling Cabinet 600 - 30 Pr
	141021 0337	10	Installation Notes
	MCX 0337	11	Installation Drawing NMCS 1 & 2, TS Marshalling Cabinet 600 - 30 Pr
	WICA 0557	11	Installation of Rear Frame
l	MCX 0338		Not Used
	MCX 0339	1	Installation Drawing NMCS 2, MS3/Message Signs and Midas Box 615B
	WIC21 0337	1	Local Termination Arrangements
	MCX 0339	2	Installation Drawing NMCS 2, MS3/Message Signs and Midas Box 615B
	WICH 0557	2	Local Termination Arrangements
	MCX 0339	3	Installation Drawing NMCS 2, MS3/Message Signs and Midas Box 615B
	WICH 0337	3	Local Termination Arrangements
	MCX 0339	4	Installation Drawing NMCS 2, MS3/Message Signs and Midas Box 615B
	1.1011 0337	•	Local Termination Arrangements
I	MCX 0340 to		2000 1000000000000000000000000000000000
	MCX 0425		Not Used
	111011 0723		1100 0004

LIST OF DRAWINGS SECTION 3

Drg No.	Sheet No.	Title
MCX 0426	1	Installation Drawing, Transmission Wiring for Sector Switch and TLC (NMCS 2 Transmission Cabinet)
MCX 0426	2	Installation Drawing, Transmission Wiring for Sector Switch and TLC (NMCS 2 Transmission Cabinet)
MCX 0427 to		(
MCX 0485		Not Used
MCX 0486	1	Installation Drawing NMCS 2, Cable Glands - Gland Types
MCX 0486	2	Installation Drawing NMCS, Cable Glands - Parts
MCX 0487 to		,
MCX 0488		Not Used
MCX 0489	1	Installation Drawing, Cassette Termination Arrangement for Fibre Optic
		Communications Cables within Cabinet 609
MCX 0489	2	Installation Drawing, Cassette Termination Arrangement for Fibre Optic
		Communications Cables within Cabinet 609
MCX 0489	3	Installation Drawing, Cassette Termination Arrangement for Fibre Optic
1.1011 0 105		Communications Cables within Cabinet 609
MCX 0489	4	Installation Drawing, Cassette Termination Arrangement for Fibre Optic
1.1011 0 109	•	Communications Cables within Cabinet 609
MCX 0489	5	Installation Drawing, Cassette Termination Arrangement for Fibre Optic
111011 0 10)		Communications Cables within Cabinet 609 Through and Local Sides
MCX 0489	6	Installation Drawing, Cassette Termination Arrangement for Fibre Optic
111011 0 10)	O .	Communications Cables within Cabinet 609
MCX 0489	7	Installation Drawing, Cassette Termination Arrangement for Fibre Optic
1,1011 0 10)	,	Communications Cables 12 Fibre Armoured - 24 Fibre Unarmoured
MCX 0490	1	Installation Drawing, Termination Arrangement for Fibre Optic Cables
141071 0470	1	Within Tx Stations and Control Office Buildings
MCX 0490	2	Installation Drawing, Termination Arrangement for Fibre Optic
141071 0470	2	Communications Cables at Sites Without Computer Flooring
MCX 0490	3	Installation Drawing, Termination Arrangement for Fibre Optic Cables
141071 0470	3	Within Tx Stations Control Office Buildings
MCX 0490	4	Installation Drawing, Termination Arrangement for Fibre Optic
WICA 0490	4	Communications Cables Within Tx Stations and Control Office Buildings
MCX 0490	5	Installation Drawing, Termination Arrangement for Fibre Optic Cables
WICA 0470	3	Within Tx Stations and Control Office Buildings
MCX 0491 to		Within 1x Stations and Control Office Buildings
MCX 0491 to MCX 0508		Not Used
MCX 0508 MCX 0509	1	Installation Drawing, Gantry Earthing and Bonding
MCX 0509 MCX 0509	2	Installation Drawing, Galitry Earthing and Boliting Installation Drawing NMCS 2, Typical Earth Bonding System for Gantry and
	2	Cantilever Structures
MCX 0510 to		
MCX 0514		Not Used
MCX 0515	1	Installation Drawing NMCS 2, Motorway VMS - Interconnection of Equipment on
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MCX 0515	2	Installation Drawing NMCS 2, Motorway VMS - Interconnection of Equipment on 6
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MCX 0542	3	Installation Drawing, Cabinet 2303 - Terminations and Wiring (Control Office)
MCX 0542	4	Installation Drawing, Cabinet 2303 - Terminations and Wiring (Control Office) - Notes
MCX 0543	1	Installation Drawing, Cabinet 2304 - Cable Terminations
MCX 0544 to	1	instanction brawing, eachier 250 i Caole reminations
MCX 0551		Not Used
MCX 0551 MCX 0552	1	Installation Drawing, Co-axial Cable Termination
MCX 0552	2	Installation Drawing, Co-axial Termination Component List
MCX 0553 to	2	instantation Diawing, co axiai remination component hist
MCX 0559 to		Not Used
MCX 0560	1	Installation Drawing NMCS, Cabling Arrangement at Transmission Station
WICA 0300	1	Building Site
MCX 0561 to		Dunding Site
MCX 0564		Not Used
MCX 0565	1	Installation Drawing, Typical Layout for installing NMCS 2 Signal and
WICA 0303	1	Telephone Equipment within a Cabinet Type 600
MCX 0566	1	Installation Drawing NMCS 2, Showing Details of Providing Power from a
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MCX 0574		Not Used
MCX 0575	1	Installation Drawing, Typical 15 Metre and 10 Metre CCTV Mast and Cabinet Base
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MCX 0576 to		WILLI I 4 VOG / II C4
MCX 0570 to		Not Used
MCX 0581 MCX 0582	1	Installation Drawing NMCS 2, Message Signs and Motorway Signals Mk3
WICH 0502	1	Preferred Outstation Layout
MCX 0582	2	Installation Drawing NMCS 2, Message Signs and Motorway Signals Mk3
WICA 0302	2	Preferred Highload Route Outstation Layout
MCX 0582	3	Installation Drawing NMCS 2, Message Signs and Motorway Signals Mk3
WICH 0302	3	Preferred Outstation Layout for Restricted Space
MCX 0583	1	Installation Drawing NMCS 2, Motorway Signals Mk3 Cantilever Structures - Notes
MCX 0583	2	Installation Drawing NMCS 2, Motorway Signals Mk3 (3x18)
WICA 0303	2	Structures - Cantilever Elevation
MCX 0583	3	Installation Drawing NMCS 2, Motorway Signals Mk3 (3x18)
WICA 0303	3	Cantilever Structures - Sectional Plan at Walkway Level
MCX 0583	4	Installation Drawing NMCS 2, Motorway Signals Mk3 (3x18)
WICA 0303	4	Cantilever Structures - Typical Cross Section Through Walkway
MCX 0583	5	Installation Drawing NMCS 2, Motorway Signals Mk3 (2x16)
1VICA 0303	J	Cantilever Structures - Cantilever Elevation
MCX 0583	6	Installation Drawing NMCS 2, Motorway Signals Mk3 (2x16)
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MCX 0583	9	Installation Drawing NMCS 2, Motorway Signals Mk3 (2x16 & 3x18)
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MCX 0587	1	Installation Drawing, PW Interface Cabinet - Typical Arrangement for PSTN
		Connection Only, Non Armoured Cable
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MCX 0722		Not Used
MCX 0723	1	Installation Drawing, Camera Site - Cabinet Layout
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MCX 0723	3	Installation Drawing, Camera Site - Earthing Arrangement
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MCX 0811	1	Installation Drawing NMCS (Ducted Cable), Local Ducts To Cabinet Sites
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MCX 0814	2	Installation Drawing NMCS (Ducted Cable), Duct Installation, Local Ducts
MCX 0814	3	Installation Drawing NMCS (Ducted Cable), Duct Installation, Transverse Ducts
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MCX 0815	1	Installation Drawing NMCS (Ducted Cable), Chambers, Type A
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		Cable Joints RSI, HFC and T
MCX 0821	4	Installation Drawing NMCS (Ducted Cable), Cable Joint Enclosure (CJE) - Layout
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MCX 0829		Not Used
MCX 0830	1	Installation Drawing NMCS (Ducted Cable), 600/609/620 Cabinets General Installation Details
MCX 0831	1	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Fitting Out Details, Termination Frame
MCX 0832	1	Installation Drawing NMCS (Ducted Cable), 600 Cabinet - Internal Wiring Details
MCX 0832	2	Installation Drawing NMCS (Ducted Cable), 600 Cabinet - Internal Wiring Schedule
MCX 0833	1	Installation Drawing NMCS (Ducted Cable), 600 Cabinet - External Wiring IDC Terminations
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MCX 0834	1	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, Transponder (Signals Only)
MCX 0834	2	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, Responder Only
MCX 0834	3	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, Transponder and Responder
MCX 0834	4	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, MIDAS Detector
MCX 0834	5	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, MIDAS Transponder and Detector
MCX 0834	6	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, MIDAS Detector and Transponder (Signals Only)
MCX 0834	7	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, Gantry - NMCS 2 Control
MCX 0834	8	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, Gantry - Standalone Control
MCX 0834	9	Installation Drawing NMCS (Ducted Cable), 600 Cabinet Equipment Configuration, MS3 Cantilever - NMCS 2 Control
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MCX 0853	1	Installation Drawing NMCS (Ducted Cable), Marshalling Cabinet - TS Building, Notes
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MCX 0853	3	Installation Drawing NMCS (Ducted Cable), Marshalling Cabinet - TS Building Cabinet 620 Front
MCX 0854	1	Installation Drawing NMCS (Ducted Cable), Marshalling Cabinet 617 Site, Notes
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MCX 0854	3	Installation Drawing NMCS (Ducted Cable), Marshalling Cabinet 617 Site, Cabinet 600/620 External Cabling
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MCX 0860		Not Used
MCX 0861	1	Installation Drawing NMCS (Ducted Cable), Transmission Station Cabinet 2303 Notes (1 of 2)
MCX 0861	2	Installation Drawing NMCS (Ducted Cable), Transmission Station Cabinet 2303 Notes (2 of 2)
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MCX 0862	1	Installation Drawing NMCS (Ducted Cable), Control Office Cabinet 2303 Notes (1 of 2)
MCX 0862	2	Installation Drawing NMCS (Ducted Cable), Control Office Cabinet 2303 Notes (2 of 2)
MCX 0862	3	Installation Drawing NMCS (Ducted Cable), Control Office Cabinet 2303 Terminations and Wiring
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MCX 0864	1	Installation Drawing NMCS (Ducted Cable), Fibre Optic Distribution Rack (ODF) Notes
MCX 0864	2	Installation Drawing NMCS (Ducted Cable), Fibre Optic Distribution Rack (ODF) Suspended Floor (Non Armoured Cable)
MCX 0864	3	Installation Drawing NMCS (Ducted Cable), Fibre Optic Distribution Rack (ODF) Solid Floor (Non Armoured Cable)
MCX 0864	4	Installation Drawing NMCS (Ducted Cable), Fibre Optic Distribution Rack (ODF) Armoured and Non Armoured Cable
MCX 0864	5	Installation Drawing NMCS (Ducted Cable), Fibre Optic Distribution Rack (ODF) Carrier and Coaxial Termination Frame
MCX 0864	6	Installation Drawing NMCS (Ducted Cable), Fibre Optic Distribution Rack (ODF) Fibre Optic Distribution Tray
MCX 0864	7	Installation Drawing NMCS (Ducted Cable), Fibre Optic Distribution Rack (ODF) Parts List
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MCX 0870		Not Used
MCX 0871	1	Installation Drawing NMCS (Ducted Cable), Cable Termination and Continuity Kit
MCX 0871	2	Installation Drawing NMCS (Ducted Cable), Cable Termination and Continuity Kit
MCX 0871	3	Installation Drawing NMCS (Ducted Cable), Cable Termination and Continuity Kit
MCX 0871 MCX 0872	1	Installation Drawing NMCS (Ducted Cable), Cable Installation, Cable Marking
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MCX 0873	2	Installation Drawing NMCS (Ducted Cable), Cable Management, Details
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141021 0070		1100 0004

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MCX 1021		Not Used
MCX 1022	1	Installation Drawing NMCS2 Indicator Type 94XX Matrix Indicator (Including Signal Driver) Gantry D.L.C.B Standard & Extension Arrangements
MCX 1022	2	Installation Drawing NMCS2 Type 94XX Matrix Indicator (Including Signal Driver) Motorway Signals Interconnections of Equipment on Gantries
MCX 1022	3	Installation Drawing - NMCS2 Type 94XX Matrix Indicator (Including Signal Driver) Motorway Signals Interconnections of Equipment on Gantries
MCX 1022	4	Installation Drawing NMCS2 Type 94XX Matrix Indicator (Including Signal Driver)
MCX 1022	5	Motorway Signal Interconnections of Equipment on Rural Sites Installation Drawing NMCS2 Type 94XX Matrix Indicator (Including Signal Driver)
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111021 1020	1	Mounting Plate
MCX 1026	2	Installation Drawing NMCS2 NOMAD Additional Asset Data NOMAD Communications Asset
		Barcode Labels
MCX 1026	3	Installation Drawing NMCS2 NOMAD Additional Asset Data NOMAD Labels Placement in
		Typical Joint Chamber
MCX 1026	4	Installation Drawing NMCS2 NOMAD Additional Asset Data NOMAD Labels Placement in Typical Box 615
MCX 1027 to		Typical Box 013
MCX 1027 to		Not Used
MCX 1030	1	Installation Drawing Unarmoured Copper Above Ground Cable Joint - General Notes and
		Cable Pair Allocation'
MCX 1030	2	Installation Drawing: Unarmoured Copper Above Ground Cable Joint - Telephone Sites - Schematic Layout
MCX 1030	3	Installation Drawing: Unarmoured Copper Above Ground Cable Joint - Signal Post Sites -
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MCX 1030	4	Installation Drawing: Unarmoured Copper Above Ground Cable Joint - Central Reserve and
MCX 1030	5	Entry Slip Signal Sites - Schematic Layout Installation Drawing: Unarmoured Copper Above Ground Cable Joint - Portal and Cantilever
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MCX 1030	6	Installation Drawing: Unarmoured Copper Above Ground Cable Joint - MIDAS Sites - Schematic Layout'
MCX 1030	7	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - CCTV Sites-
		Schematic Layout
MCX 1030	8	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Dual Cabinet Sites Layout
MCX 1030	9	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Multiple Cabinet Sites Layout
MCX 1030	10	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Verges of
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MCX 1030	13	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Interconnection details between cabinet 600 TR and AGCJ
MCX 1030	14	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint -
MCX 1030	15	Interconnection details between cabinet 600 ST and TR and AGCJ Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Interconnection details between cabinet 600 MD and AGCJ
MCX 1030	16	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Interconnection details between cabinet 600 MT/MD and AGCJ
MCX 1030	17	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Interconnection details between cabinet 600 ST/MD and AGCJ
MCX 1030	18	Installation Drawing: Unarmoured Copper and Fibre Above Ground Cable Joint - Interconnection details between cabinet 600 MS and AGCJ