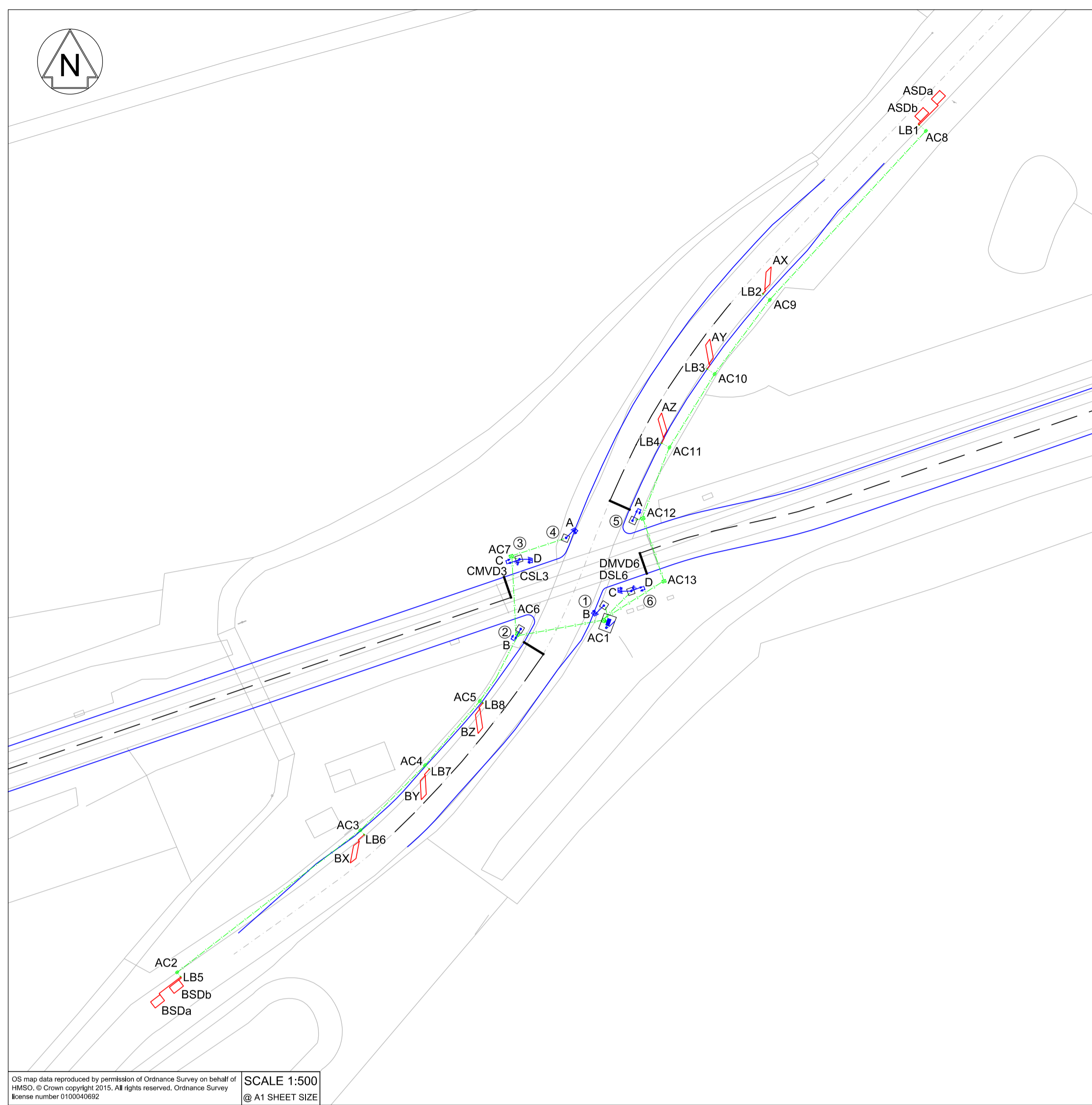


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SCALE 1:200
@ A1 SHEET SIZE



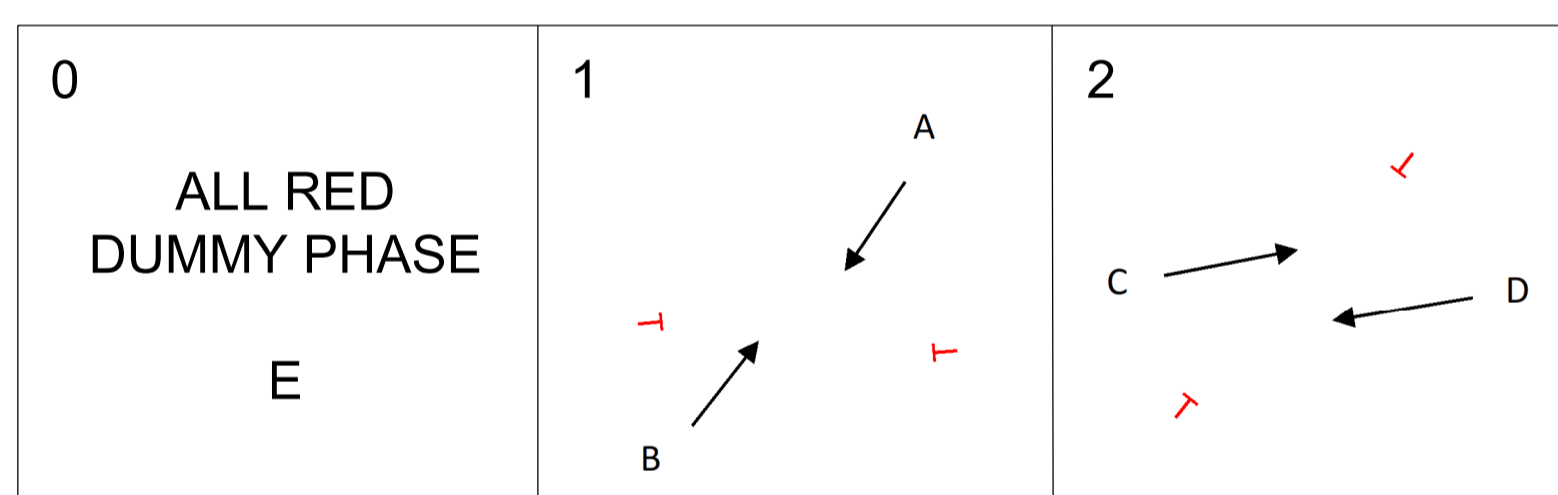
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NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)

- NOTES:**
- ALL TRAFFIC SIGNAL EQUIPMENT TO BE ELV.
 - ALL TRAFFIC SIGNAL ASPECTS TO BE CLS LED TYPE.
 - SIGNAL DIMMING IS TO BE PROVIDED. THE SOLAR CELL TO BE INSTALLED ON THE POLE INDICATED ON THE DRAWING.
 - RED LAMP MONITORING IS TO BE PROVIDED.
 - SIGNAL POLES, CONTROLLER CABINET AND BASE, AND FEEDER PILLAR ARE TO BE GREY IN COLOUR AND IN ACCORDANCE WITH THE APPENDIX 12/5.
 - SIGNAL POLE LOCATIONS ARE TO BE AS SHOWN ON THIS SIGNAL DRAWING. POLE LOCATIONS ARE TO BE MARKED ON THE GROUND AND THE POSITION AGREED WITH THE SIGNAL DESIGN ENGINEER BEFORE INSTALLATION.
 - ALL SIGNAL POLES ARE TO BE SECURED IN SIGNAL POLE RETENTION SOCKETS 'DUCK FOOT' TYPE. RETENTION SOCKETS ARE TO BE CONNECTED TO THE ASSOCIATED FOOTWAY ACCESS CHAMBER BY 1 X 100mm DIA SIGNAL DUCT.
 - ALL 100mm SIGNAL DUCTS ARE TO BE PROVIDED AFTER INSTALLATION AND HAVE A DRAW CORD FITTED. THE DRAW CORD IS TO BE SECURED AT EACH END IN ALL ACCESS CHAMBERS.
 - SIGNAL HEADS ON POLES ARE TO BE MOUNTED WITH A MINIMUM CLEARANCE OF 2.1m ABOVE THE FINISHED FOOTWAY SURFACE LEVEL AND A MINIMUM OF 2.4m ABOVE THE FINISHED CYCLEWAY SURFACE LEVEL FOR CYCLEWAYS.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE APPENDIX 12/5 TRAFFIC SIGNAL EQUIPMENT REQUIREMENTS AND APPENDIX 5/2 DUCTING REQUIREMENTS, CD 123 AND ANY OTHER DOCUMENTS ISSUED IN RELATION TO THESE WORKS.

KEY:

	HIGHWAY BOUNDARY
	EXISTING ROAD EDGE
	PROPOSED ROAD EDGE
	PROPOSED WHITE ROAD MARKING
	TRAFFIC SIGNAL CONTROL CABINET ON RAISED BASE
	TRAFFIC SIGNAL 'MINI' FEEDER PILLAR
	SIGNAL HEAD RAGa (AHEAD) (PRIMARY)
	SIGNAL HEAD RAGa (AHEAD) (SECONDARY)
	MICRO-WAVE VEHICLE DETECTOR (MVD)
	STOPLINE DETECTOR
	PHOTO ELECTRIC CONTROL UNIT (PE CELL)
	TRAFFIC SIGNAL POLE 115mm DIA WITH 1m X 1m CONCRETE FOUNDATION
	VEHICLE DETECTOR LOOP
	SIGNAL POLE RETENTION SOCKET
	CARRIAGEWAY LOOP BOX
	600 X 450 ACCESS CHAMBER
	450 X 300 ACCESS CHAMBER
	50mm TRAFFIC SIGNAL DUCT
	100mm TRAFFIC SIGNAL DUCT



SIGNAL EQUIPMENT SCHEDULE

POLE NUMBER	POLE TYPE	SIGNAL HEAD	HOOD TYPE	SIGNAL DETECTION	OTHER EQUIPMENT
1	4m	1 x RAGa (AHEAD)	SECONDARY	-	PE CELL
2	4m	1 x RAGa (AHEAD)	PRIMARY	-	-
3	4m	1 x RAGa (AHEAD) 1 x RAGa (AHEAD)	PRIMARY SECONDARY	1 x MVD 1 x STOPLINE	-
4	4m	1 x RAGa (AHEAD)	SECONDARY	-	-
5	4m	1 x RAGa (AHEAD)	PRIMARY	-	-
6	4m	1 x RAGa (AHEAD) 1 x RAGa (AHEAD)	PRIMARY SECONDARY	1 x MVD 1 x STOPLINE	-

DETECTOR SCHEDULE

DETECTOR NUMBER	DETECTOR NAME	DISTANCE FROM STOPLINE (m)	PHASE(S) DEMANDED	PHASE(S) EXTENDED	DETECTOR TYPE
1	AX	39	A	A	LOOP
2	AY	25	A	A	LOOP
3	AZ	12	A	A	LOOP
4	ASD	79	-	-	LOOP
5	BX	39	B	B	LOOP
6	BY	25	B	B	LOOP
7	BZ	12	B	B	LOOP
8	BSD	79	-	-	LOOP
7	CSL3	POLE 3	C	C	RADAR
8	CMVD3	POLE 3	C	C	RADAR
9	DSL6	POLE 6	D	D	RADAR
10	DMVD6	POLE 6	D	D	RADAR

CHAMBER AND LOOP BOX SCHEDULE

CHAMBER NUMBER	CHAMBER SIZE (mm)		LOOP BOX
	600 x 450	450 x 300	
AC1	1	-	-
AC2	-	1	LB5
AC3	-	1	LB6
AC4	-	1	LB7
AC5	-	1	LB8
AC6	1	-	-
AC7	1	-	-
AC8	-	1	LB1
AC9	-	1	LB2
AC10	-	1	LB3
AC11	-	1	LB4
AC12	1	-	-
AC13	1	-	-

SIGNAL POLE RETENTION SOCKET SCHEDULE

POLE/SOCKET NUMBER	DISTANCE FROM STOPLINE (m)	DISTANCE FROM KERBFACE (m)
1	8	1
2	1.5	1
3	3	1
4	7	0.8
5	1.5	1
6	3	1

ALL DISTANCES ARE TO THE CENTRE OF THE POLE RETENTION SOCKET POLE HOUSING

DUCT SCHEDULE

FROM	TO	DUCT X No	DUCT DIA (mm)	DISTANCE (m)*
FEEDER PILLAR	CONTROLLER	1	50	1
AC1	CONTROLLER	3	100	1
AC1	POLE 1	1	100	3
AC1	POLE 6	1	100	6
AC2	LB5	1	50	1
AC2	AC3	1	100	36
AC3	LB6	1	50	1
AC3	AC4	1	100	14
AC4	LB7	1	50	1
AC4	AC5	1	100	14
AC5	LB8	1	50	1
AC5	AC6	1	100	11
AC6	AC1	2	100	13
AC6	POLE 2	1	100	2
AC6	AC7	1	100	11
AC7	POLE 3	1	100	2
AC7	POLE 4	1	100	9
AC1	AC13	2	100	10
AC13	AC12	2	100	10
AC12	POLE 5	1	100	2
AC12	AC11	1	100	12
AC11	LB4	1	50	2
AC11	AC10	1	100	13
AC10	LB3	1	50	2
AC10	AC9	1	100	14
AC9	LB2	1	50	2
AC9	AC8	1	100	34
AC8	LB1	1	50	2

*ALL DISTANCES SHOWN ARE INDICATIVE

Rev	Date	Description of Revisions	Desnd	Chkd	Appr	R.K.	L.T.	S.A.
B01	09/12/19	FOR INFORMATION						

SHARED - for Information S2



Project
East West Rail (Western Section) Phase 2

Drawing Title
HAUL ROAD CROSSING HRC_2 TRAFFIC SIGNAL LAYOUT

Design	Drawn	Checked	Approved	Signed	Date
Ravikumar KN	Tamsin Leaman-Hewitt	Lisa Taylor	Stephen Abe	R. KN	28/11/19
				T. Leaman-Hewitt	10/10/19
				L. Taylor	28/11/19
				S. Abe	28/11/19

Scale(s)
AS SHOWN ELR - Project Chainage (Miles Yards)
OXD -

Design Package Risk Classification
Normal

Alternative Reference

Drawing Number
133735_2A-EWR-OXD-HRC_2-DR-CH-010008

Sheet
1 of 1

Revision
B01

