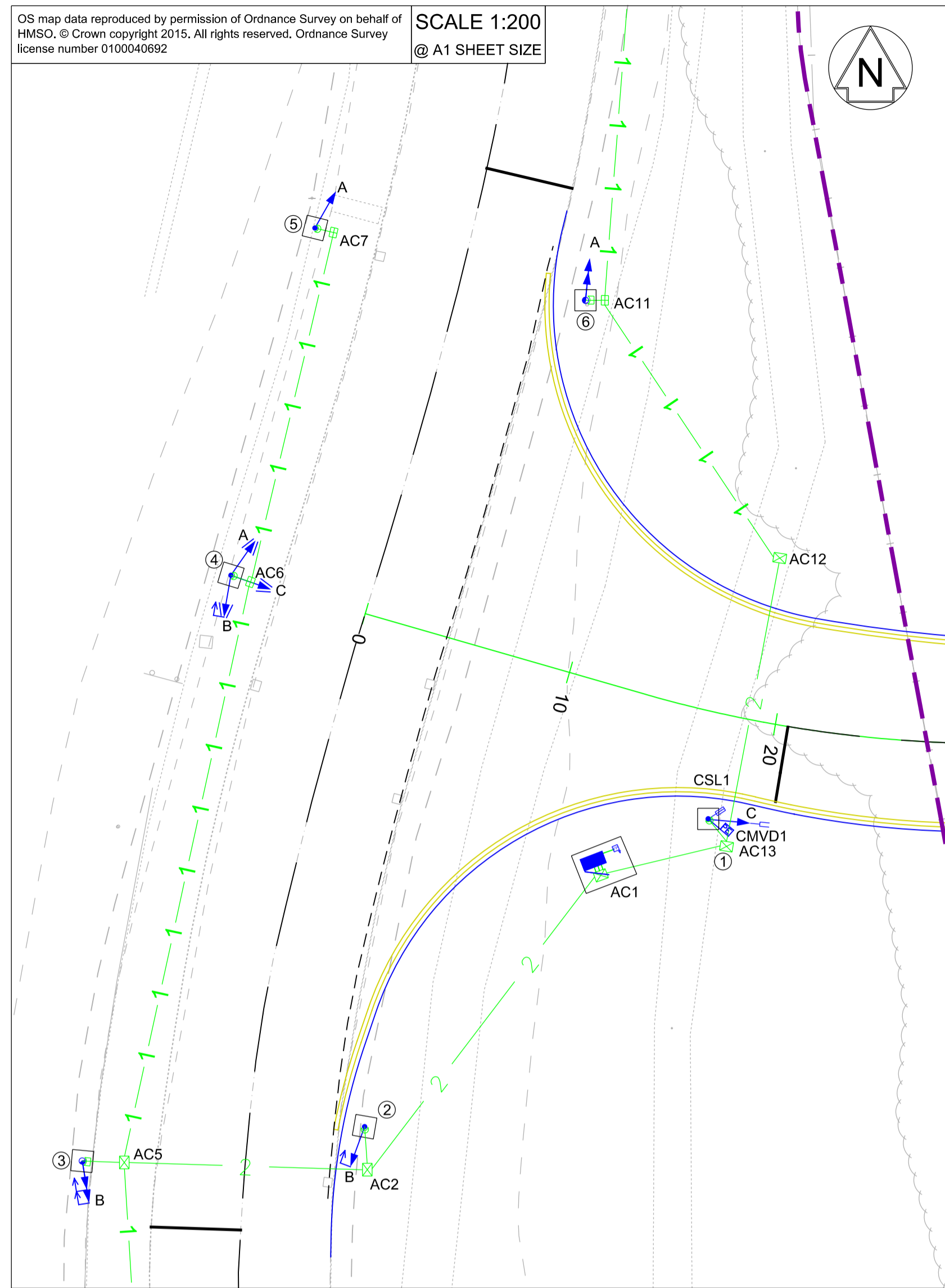
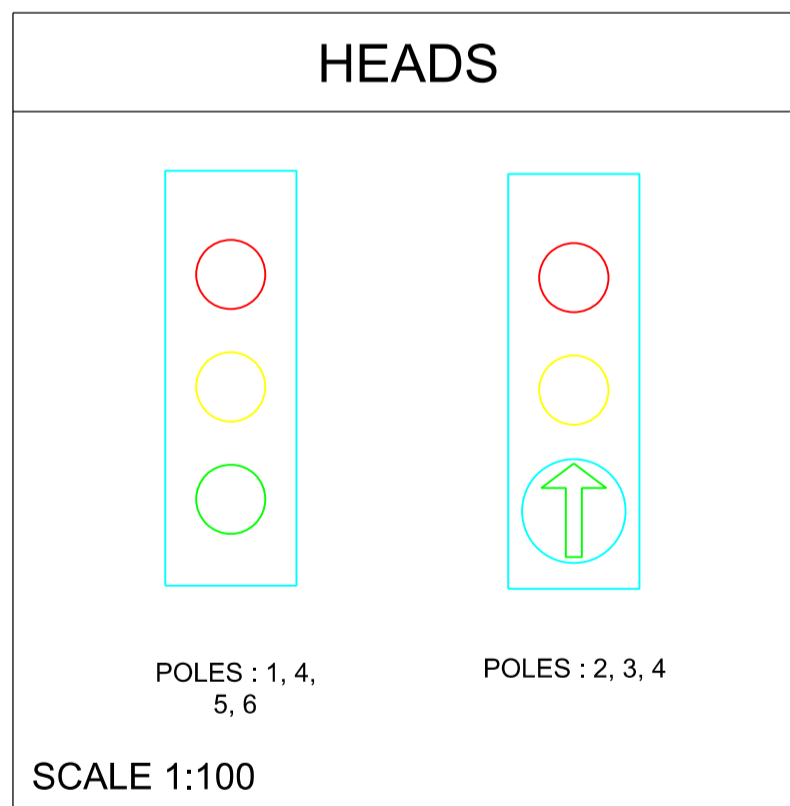


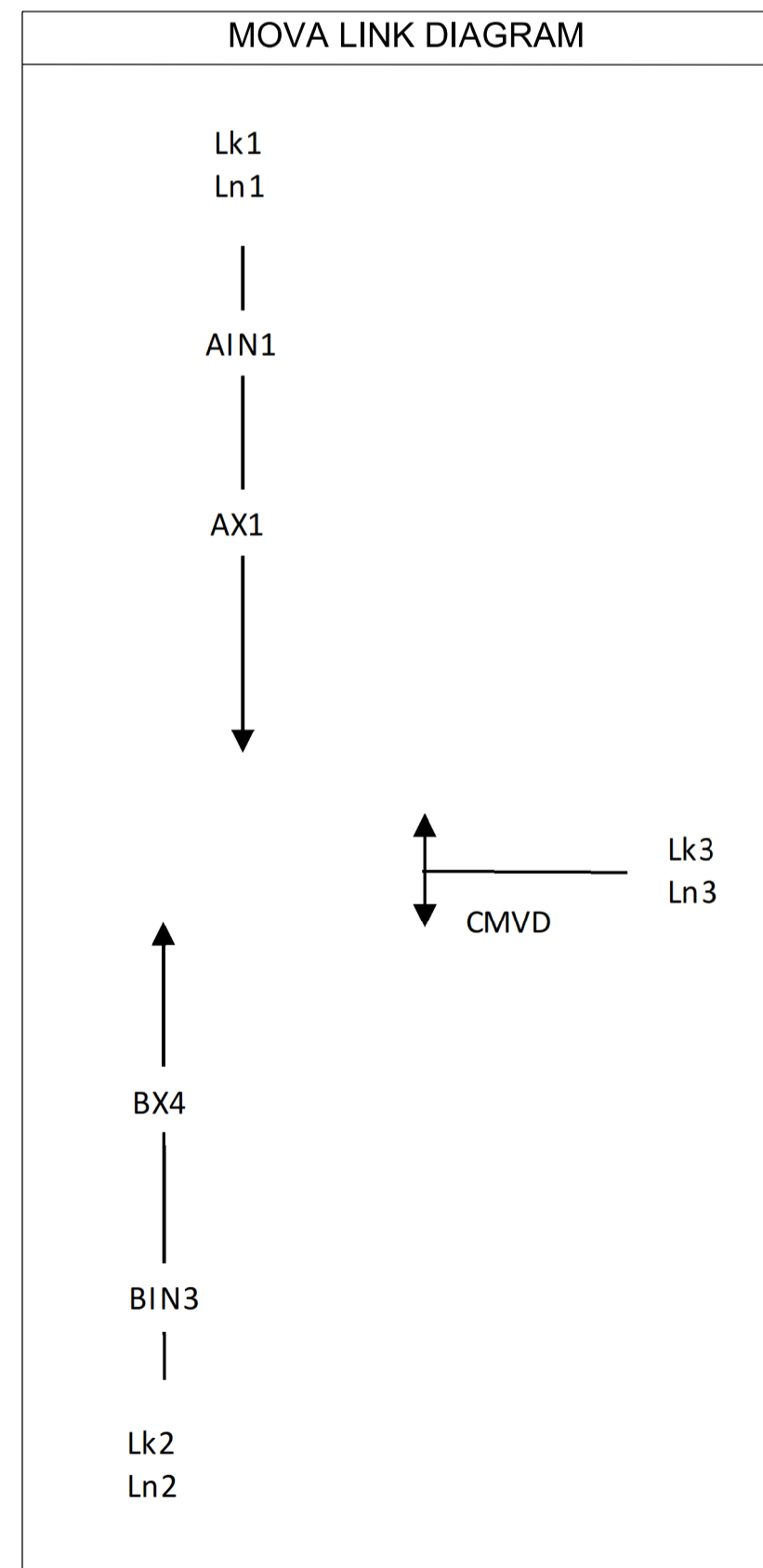
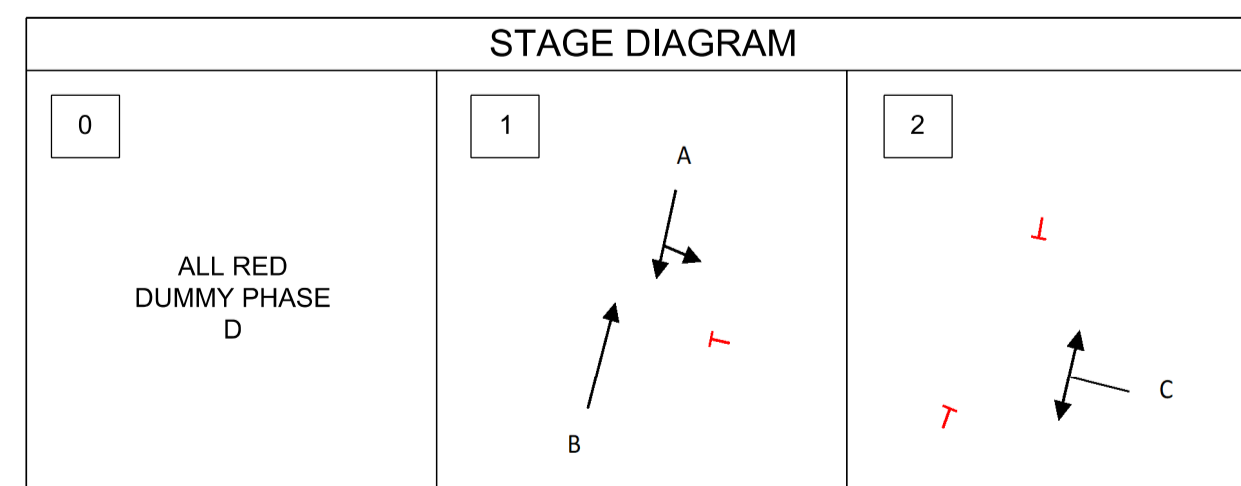
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SCALE 1:500 @ A1 SHEET SIZE



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SCALE 1:200 @ A1 SHEET SIZE



SCALE 1:100



DUCT SCHEDULE				
FROM	TO	DUCT x No	DUCT DIA (mm)	DISTANCE (m)*
FEEDER PILLAR	CONTROLLER	1	50	1
AC1	CONTROLLER	3	100	1
AC2	POLE 1	2	100	18
AC3	Br CONTROLLER CHAMBER	1	100	2
AC3	LB1	1	100	30
EXISTING Br CHAMBER	LB1	1	50	1
AC3	LB2	1	50	1
AC3	AC4	1	100	21
AC4	AC5	1	100	22
AC5	POLE 3	1	100	2
AC5	AC2	2	100	11
AC5	AC6	1	100	28
AC6	POLE 4	1	100	1
AC6	AC7	1	100	17
AC7	POLE 5	1	100	1
AC8	LB3	1	50	1
AC8	AC9	1	100	40
AC9	LB4	1	50	1
AC9	AC10	1	100	16
AC10	AC11	1	100	34
AC11	POLE 6	1	100	1
AC11	AC12	1	100	15
AC12	AC13	2	100	13
AC13	POLE 1	1	100	1
AC13	AC1	2	100	6

*ALL DISTANCES SHOWN ARE INDICATIVE

TRAFFIC SIGNAL EQUIPMENT							
POLE No	POLE TYPE	DISTANCE FROM SL(m)	DISTANCE FROM KERB(m)	HEAD	HOODS	VEHICLE DETECTION	OTHER EQUIPMENT
1	4m STANDARD LOW ACCESS	3	1	1 x RAG	PRIMARY	1 x STOPLINE 1 x MVD	PECU
2	4m STANDARD LOW ACCESS	4.5	1.5	1 x RAGa (AHEAD ONLY)	PRIMARY	-	-
3	5.5m STANDARD HINGED LOW ACCESS	3	3.5	2 x RAGa (AHEAD ONLY)	PRIMARY	-	-
4	4m STANDARD LOW ACCESS	IN LINE WITH A1 EXIT CENTRE LINE	2.5	2 x RAG 1 x RAGa (AHEAD ONLY)	SECONDARY	-	-
5	4m STANDARD LOW ACCESS	3.5	3	1 x RAG	PRIMARY	-	-
6	5.5m STANDARD HINGED LOW ACCESS	5	1.5	2 x RAG	PRIMARY	-	-

DETECTOR SCHEDULE					
DETECTOR NUMBER	DETECTOR NAME	DISTANCE FROM STOPLINE (m)	PHASE (S) DEMANDED	PHASE (S) EXTENDED	DETECTOR TYPE
1	AIN1	80	-	-	LOOP
2	AX2	40	A	A	LOOP
3	BIN3 (UD)	80	-	-	LOOP
4	BX4	40	B	B	LOOP
5	CMVD1	POLE 1	C	C	RADAR
6	CSL1	POLE 1	C	C	RADAR

CHAMBER SCHEDULE		
CHAMBER NUMBER	CHAMBER SIZE	
	450X300	600X450
AC1	-	1
AC2	-	1
AC3	1	-
AC4	1	-
AC5	-	1
AC6	1	-
AC7	1	-
AC8	1	-
AC9	1	-
AC10	1	-
AC11	1	-
AC12	-	1
AC13	-	1

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 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
	PROPOSED YELLOW ROAD MARKING
	TRAFFIC SIGNAL CONTROL CABINET ON RAISED BASE
	TRAFFIC SIGNAL 'MINI' FEEDER PILLAR SIGNAL HEAD (PRIMARY & SECONDARY)
	SIGNAL HEAD RAGa (AHEAD) (PRIMARY & SECONDARY)
	DOUBLE HIGH MOUNTED SIGNAL HEAD RAGa (AHEAD) (PRIMARY)
	DOUBLE HIGH MOUNTED SIGNAL HEAD RAG (PRIMARY)
	ABOVE GROUND VEHICLE DETECTOR
	STOPLINE DETECTOR
	PHOTO ELECTRIC CONTROL UNIT (PECU)
	TRAFFIC SIGNAL POLE 4m, 114m DIA WITH 1m SQ CONCRETE SURROUND
	TRAFFIC SIGNAL POLE 5.5m TALL WITH 1m CONCRETE SURROUND
	MOVA DETECTOR LOOP (STANDARD)
	MOVA DETECTOR LOOP (UD)
	SIGNAL POLE RETENTION SOCKET, 165mm DIA POLE
	SIGNAL POLE RETENTION SOCKET, 114mm DIA POLE
	CARRIAGEWAY LOOP BOX
	600 X 450 ACCESS CHAMBER
	450 X 300 ACCESS CHAMBER
	50mm TRAFFIC SIGNAL DUCT
	100mm TRAFFIC SIGNAL DUCT



Rev	Date	Description of Revisions	Dend	Chkd	Appr	S.A
002	17/12/19	FOR INFORMATION				



East West Rail (Western Section) Phase 2

ACCESS TO COMPOUND A1 TRAFFIC SIGNAL LAYOUT

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	12/12/19
Drawn	Tamsin Leaman-Hewitt	Signed	T. Leaman-Hewitt	Date	27/06/19
Checked	Lisa Taylor	Signed	L. Taylor	Date	12/12/19
Approved	Stephen Abe	Signed	S. Abe	Date	12/12/19

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

Design Package Risk Classification Normal

Alternative Reference

Sheet 1 of 1
Revision B02

Drawing Number 133735_2A-EWR-OXD-CC_A1-DR-CH-002101