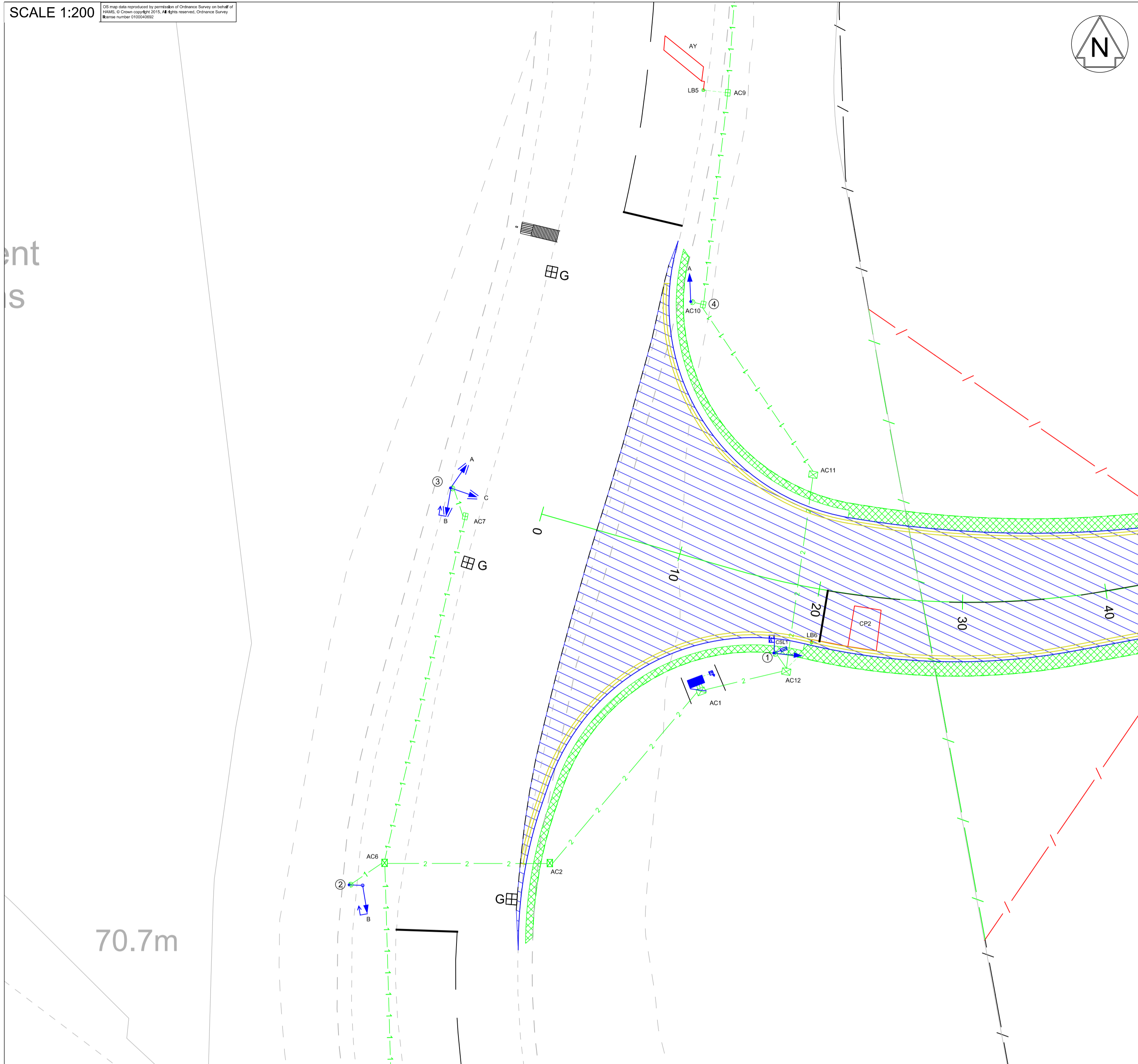
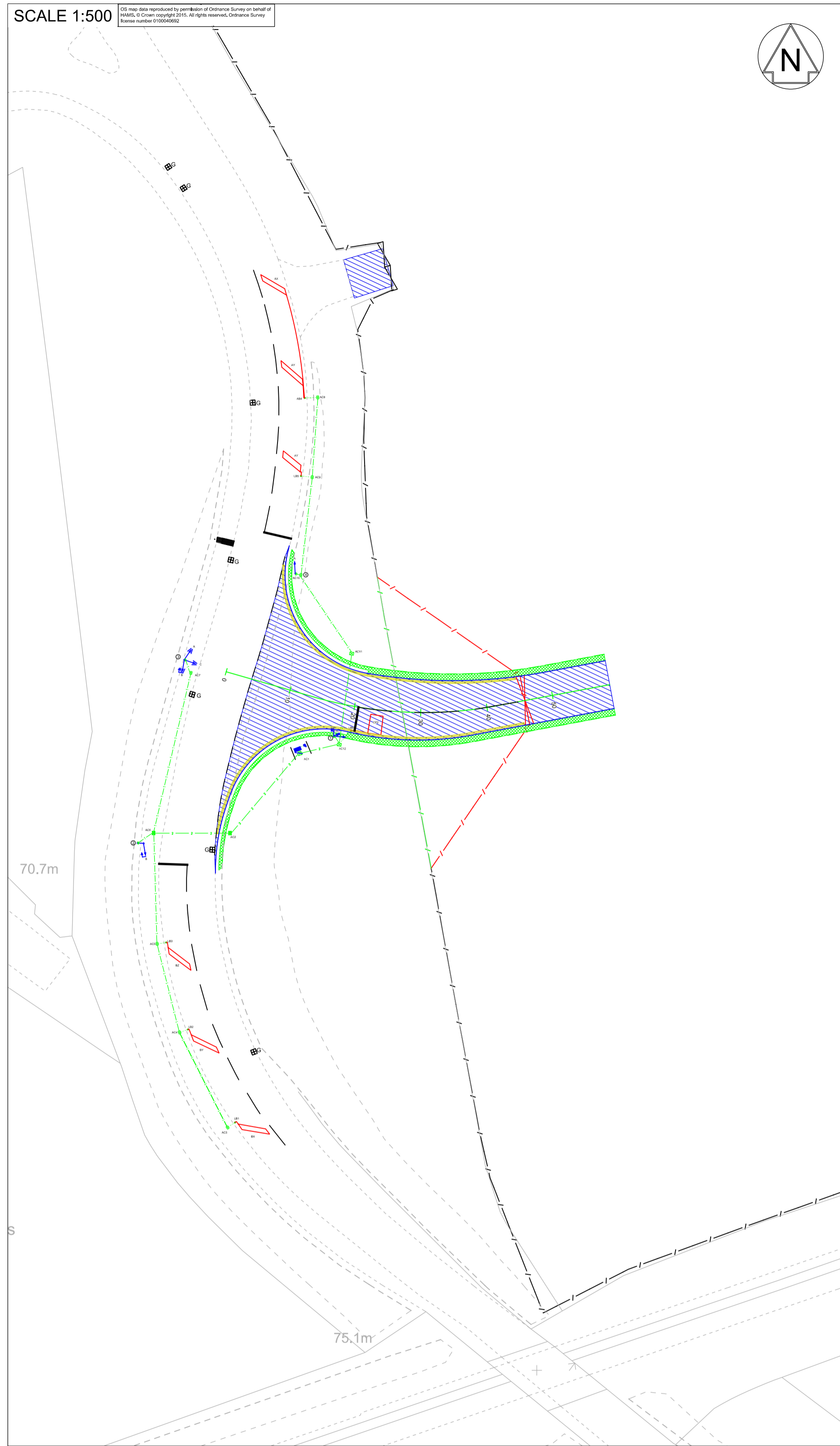


SCALE 1:200



SCALE 1:500



- NOTES**
1. ALL TRAFFIC SIGNAL EQUIPMENT TO BE ELV
 2. ALL TRAFFIC SIGNAL ASPECTS TO BE CLS LED TYPE
 3. SIGNAL DIMMING IS TO BE PROVIDED. THE SOLAR CELL TO BE INSTALLED ON THE POLE INDICATED ON THE DRAWING
 4. SIGNAL POLES, CONTROLLER CABINET AND BASE, AND FEEDER PILLAR ARE TO BE GREY IN COLOUR AND IN ACCORDANCE WITH THE APPENDIX 12/5
 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
 6. 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
 7. ALL 100mm SIGNAL DUCTS ARE TO BE PROVED AFTER INSTALLATION AND HAVE A DRAW CORD FITTED. THE DRAW CORD IS TO BE SECURED AT EACH END IN ALL ACCESS CHAMBERS
 8. SIGNAL HEADS ON POLES ARE TO BE MOUNTED WITH A MINIMUM CLEARANCE IF 2.1m ABOVE THE FINISHED FOOTWAY SURFACE LEVEL AND A MINIMUM OF 2.4m ABOVE THE FINISHED CYCLE WAY SURFACE LEVEL FOR CYCLE WAYS
 9. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE APPENDIX 12/5 TRAFFIC SIGNAL EQUIPMENT REQUIREMENTS AND APPENDIX 5/2 DUCTING REQUIREMENTS, TD 50/04 AND ANY OTHER DOCUMENTS ISSUE IN RELATION TO THESE WORKS

- KEY:**
- TRAFFIC SIGNAL CONTROL CABINET ON RAISED BASE
 - TRAFFIC SIGNAL 'MINI' FEEDER PILLAR
 - TRAFFIC SIGNAL POLE 4M, 114MM DIA WITH 1M X 1M CONCRETE FOUNDATION
 - EXTENSION BRACKET (POLE 2)
 - SIGNAL HEAD RAG (PRIMARY)
 - SIGNAL HEAD RAG (SECONDARY)
 - SIGNAL HEAD RAG(A)(AHEAD ONLY) (PRIMARY)
 - SIGNAL HEAD RAG(A)(AHEAD ONLY) (SECONDARY)
 - MICRO-WAVE VEHICLE DETECTOR (MVD)
 - STOPLINE DETECTOR
 - PHOTO ELECTRIC CONTROL UNIT (PE CELL)
 - 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

Status SHARED - for Content Check Suitability S1



Project East West Rail (Western Section) Phase 2

ACCESS TO COMPOUND A1 TRAFFIC SIGNAL LAYOUT

Designed	Tamsin Leaman-Hewitt	Signed	T. Leaman-Hewitt	Date	08/07/19
Drawn	Tamsin Leaman-Hewitt	Signed	T. Leaman-Hewitt	Date	27/06/19
Checked	Gareth Johnston	Signed	G. Johnston	Date	08/07/19
Approved	Edward Findlay	Signed	E. Findlay	Date	08/07/19

Scale(s) AS SHOWN ELR - Project Chainage (Miles Yards) OXD -
Design Package Risk Classification Normal Sheet 1 of 1
Alternative Reference B02

DUCT SCHEDULE

FROM	TO	DUCT X No	DUCT DIA (mm)	DISTANCE (m)*
FEEDER PILLAR	CONTROLLER	1	50	1
AC1	CONTROLLER	3	100	1
AC1	AC2	2	100	16
AC3	LB1	1	50	1.5
AC3	AC4	1	100	16
AC4	LB2	1	50	1.5
AC4	AC5	1	100	13.5
AC5	LB3	1	50	1.5
AC5	AC6	1	100	16
AC6	POLE 2	1	100	3
AC6	AC2	2	100	11
AC6	AC7	1	100	24
AC7	POLE 3	1	100	2
AC8	LB4	1	50	2
AC8	AC9	1	100	12
AC9	LB5	1	50	1.5
AC9	AC10	1	100	14.5
AC10	POLE 4	1	100	1
AC10	AC11	1	100	14
AC11	AC12	2	100	13.5
AC12	LB6	1	50	3
AC12	POLE 1	1	100	1
AC12	AC1	2	100	6

*ALL DISTANCES SHOWN ARE INDICATIVE

SIGNAL POLE RETENTION SOCKET SCHEDULE

POLE/SOCKET NUMBER	DISTANCE FROM STOPLINE (M)	DISTANCE FROM KERBFACE (M)
1	3	1
2	3	3.5
3	30.5*	2.5
4	5	1.5

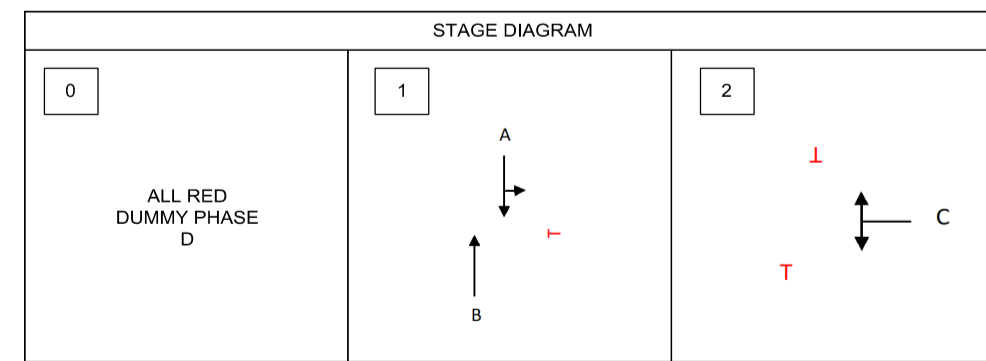
1. ALL DISTANCES ARE TO THE CENTRE OF THE RETENTION SOCKET POLE HOUSING
2. *POLE 3 DISTANCE IS TO STOPLINE AT POLE 2 MEASURED ALONG KERBLINE

CHAMBER AND LOOP BOX SCHEDULE

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

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	LOOP
3	AZ	12		A	LOOP
4	BX	39	B	B	LOOP
5	BY	25		B	LOOP
6	BZ	12		B	LOOP
7	CSL1	POLE 1	C	C	VIDEO
8	CP2	2	C	C	LOOP



SIGNAL EQUIPMENT SCHEDULE

POLE NUMBER	POLE TYPE	SIGNAL HEAD	HOOD TYPE	SIGNAL DETECTION	OTHER EQUIPMENT
1	4m	1 x RAG	PRIMARY	1 X STOPLINE	PE CELL
2	4m	1 x RAGa (AHEAD)	PRIMARY	-	1.0M EXTENSION BRACKET
3	4m	1 x RAGa (AHEAD) 2 x RAG	SECONDARY	-	-
4	4m	1 x RAG	PRIMARY	-	-