POLE SETTING OUT DETAILS - LLAY NEW ROAD / PLAS ACTON ROAD, GWERSYLLT, WREXHAM

POLE NUMBER	DISTANCE FROM STOP LINE (M)	DISTANCE FROM CARRIAGEWAY (M)	DISTANCE FROM TACTILE (M)	POLE WIDTH (MM)	POLE TYPE
1	2.5	0.9	N/A	114	4m STRAIGHT
2	2.0	Back of footway	N/A	114	4m STRAIGHT
3	N/A	Back of footway	N/A	114	4m STRAIGHT
4	2.0	Back of footway	N/A	114	4m STRAIGHT

NOTE: all measurements are taken from the edge of the pole

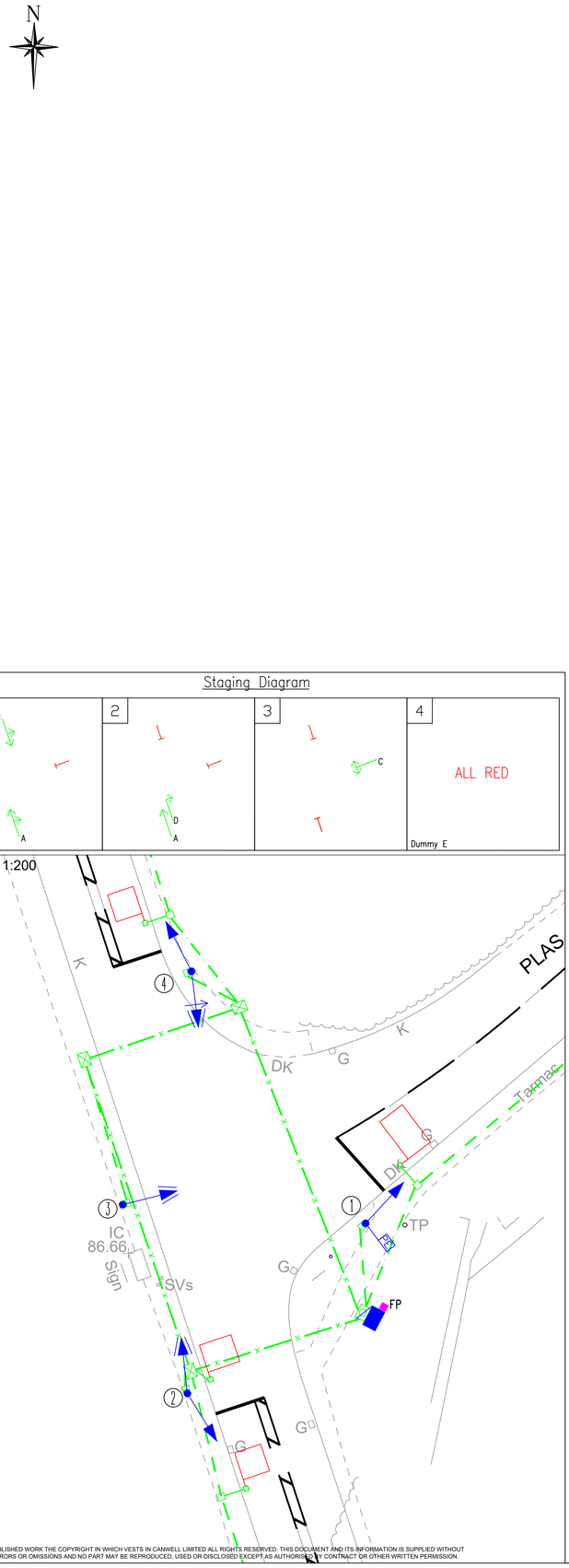
Clearance of 450mm to all traffic signal equipment shall be maintained, signal heads can be side mounted to achieved correct clearance where required.

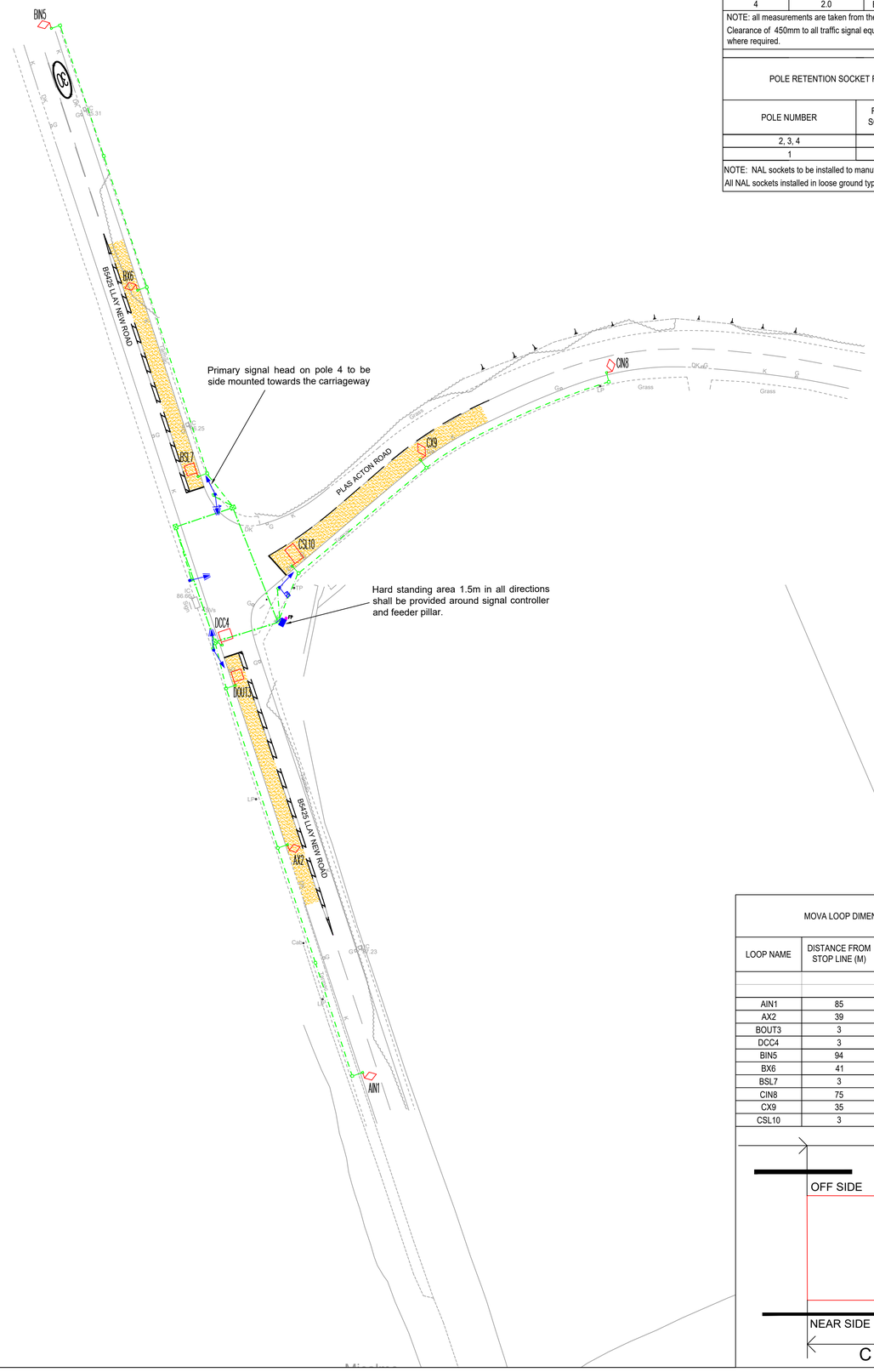
POLE RETENTION SOCKET FOUNDATION - D0156 THE BROADWAY / HAZEL ROAD / THE PARADE, DUDLEY

POLE NUMBER	RETENTION SOCKET SIZE	TYPE OF GROUND	RETENTION SOCKET DEPTH	FOUNDATION WIDTH (MM)	POLE TYPE
2, 3, 4	RS115	SOLID	750	750 x 750	4m STRAIGHT
1	RS115	LOOSE	750	1100 x 1100	4m STRAIGHT

NOTE: NAL sockets to be installed to manufacture guidelines.

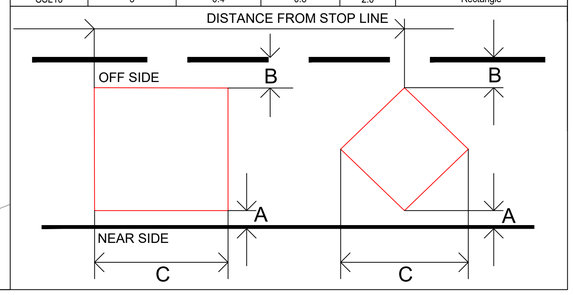
All NAL sockets installed in loose ground type shall be installed with 2 layers of A393 mesh as per manufacture installation guidelines.





MOVA LOOP DIMENSIONS LLAY NEW ROAD / PLAS ACTON ROAD, GWERSYLLT, WREXHAM

LOOP NAME	DISTANCE FROM STOP LINE (M)	DISTANCE FROM NEAR SIDE (M)	DISTANCE FROM OFF SIDE (M)	LOOP WIDTH (M)	NOTES
		A	B	C	
AIN1	85	0.4	0.8	1.8	Diamond
AX2	39	0.4	0.4	1.8	Diamond
BOUT3	3	0.4	0.4	2.0	Rectangle
DCC4	3	0.4	0.8	2.0	Rectangle
BIN5	94	0.4	0.8	1.8	Diamond
BX6	41	0.4	0.4	1.8	Diamond
BSL7	3	0.4	0.4	2.0	Rectangle
CIN8	75	0.4	0.8	1.8	Diamond
CX9	35	0.4	0.8	1.8	Diamond
CSL10	3	0.4	0.8	2.0	Rectangle



DRAWING N° C/1758/100

ISSUE 1

KEY:-

- 4.2m straight signal pole

VEHICLE SIGNAL HEADS

- RAG fitted with primary hoods
- RAG fitted with secondary hoods
- RAG Fitted with indicative arrow
- ELV signal controller with integral MOVA, and mounted on NAL base.
- FP Electricity Feeder Pillar

DETECTION

- MOVA loop detection
- Stop line / call cancel detector
- PE Photo cell

DUCTING AND CHAMBERS

- 1 No. Polyethelene 50mm duct
- 1 No. Polyethelene 100mm duct
- 3 No. Polyethelene 100mm duct
- Pole and RS115 NAL retention socket installed as per retention socket foundation table
- NAL STAKKAbox 600mm x 600mm, Twin walled access chambers, composite covers to B125
- NAL STAKKAbox 600mm x 450mm, Twin walled access chambers, composite covers to B125
- NAL STAKKAbox 450mm x 450mm, Twin walled access chambers, composite covers to B125
- NAL carriageway loop chamber, ductile iron D400 to BS2789

NOTES

1. Carriageway markings to be laid in accordance with "The Traffic Signs Regulations and General Directions 2016".
2. The controller and poles should be grey in colour and labelled as per Wrexham County Borough Council requirements.
3. New Siemens OMU unit to be installed within new controller and tested prior to commissioning to the satisfaction of the signal Engineer using 3G/4G communications to connect to WCBC RMS system, live update drawing and RMS configuration files also required to be provided by the traffic signal contractor. SIM card will be provided by WCBC.
4. All signal equipment to be of ELV LED type.
5. Electricity service to Feeder Pillar is to be ordered by the civils contractor, which should accommodate a double pole switch.
6. Ducting chambers in grassed areas to have a 150mm concrete ring cast around the cover and frame.
7. Traffic signal ducting should be orange in colour, high density polyethylene solid wall ducting of 100mm diameter with traffic signals marked on it every 1m. Draw ropes should be provided in the duct runs for the use of pulling cable. All new ducting to be 100mmø except between feeder pillar to controller which is to be 50mmø. All ducting will be orange in colour except between feeder pillar and controller which will be black.
8. All signal poles will be installed as per setting out table and marked out on site by WCBC engineer.
9. Traffic signal heads will be installed at minimum clearance of 2.1m from ground level to the bottom edge of signal head.
10. All traffic signal equipment including hoods will require at least 0.45m clearance from carriageway to the leading edge.
11. All detector loops must have a minimum clearance to any existing or proposed metalwork of at least 0.5m.
12. NAL controller cabinet base to be installed, correct cabinet base will need to be ordered based on controller type installed. Colour of base will need to match traffic signal controller.
13. Road markings shown are indicative and for illustration purposes only. For details of all road marking refer to Eddisons road marking design drawings.

DO NOT SCALE

ISSUE	DESCRIPTION	DRN	CHK	DATE

Canwell Consulting services

CLIENT
CASTLE GREEN HOMES

SCHEME TITLE
PROPOSED TRAFFIC SIGNAL JUNCTION
LLAY NEW ROAD / PLAS ACTON ROAD
GWERSYLLT, WREXHAM

DATE: 27/05/21 | DRN: JPS | CHKD: LC | SCALE: 1:500 @ A1

STATUS: DETAIL DESIGN

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DRAWING N°: C/1758/100

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