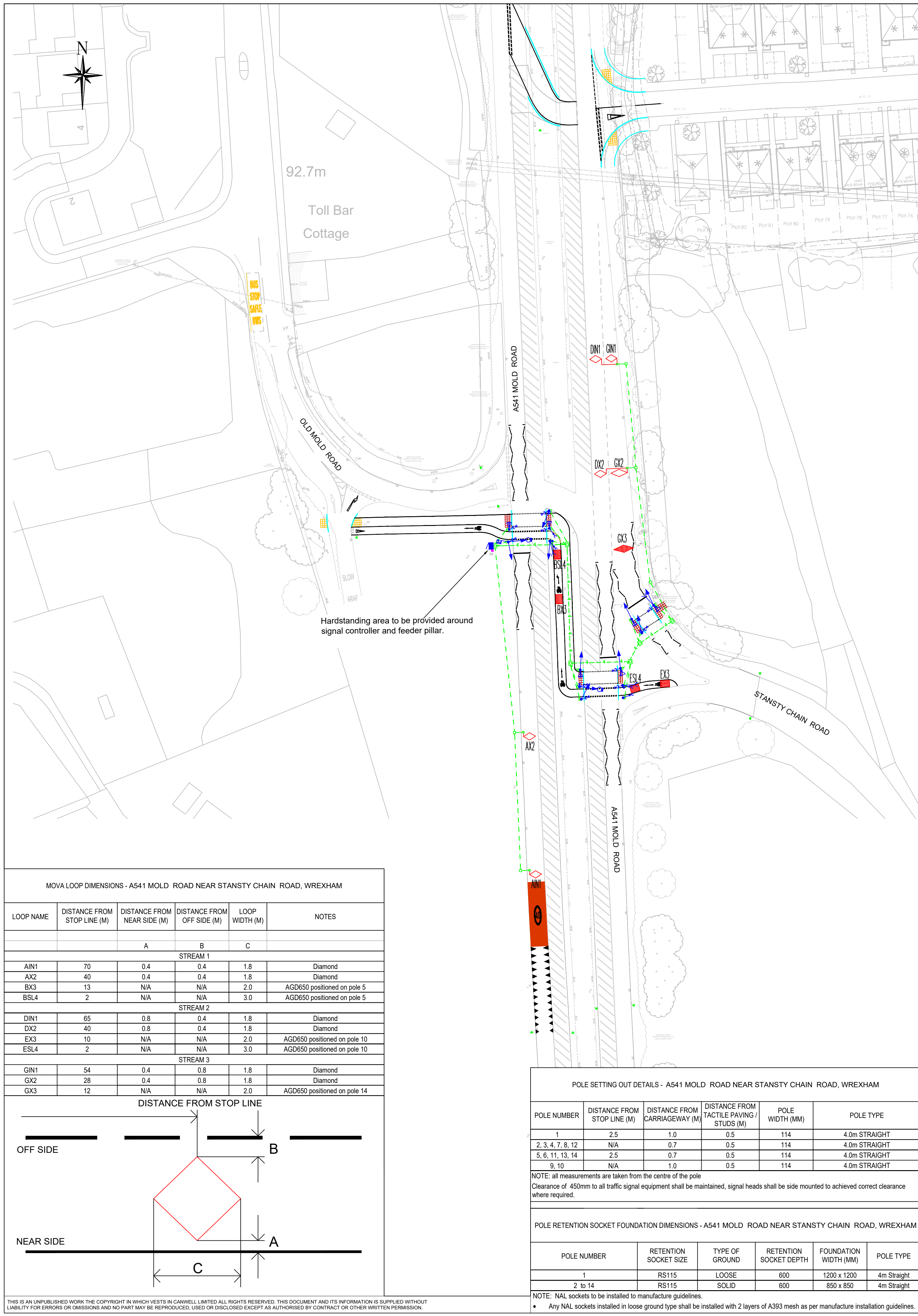
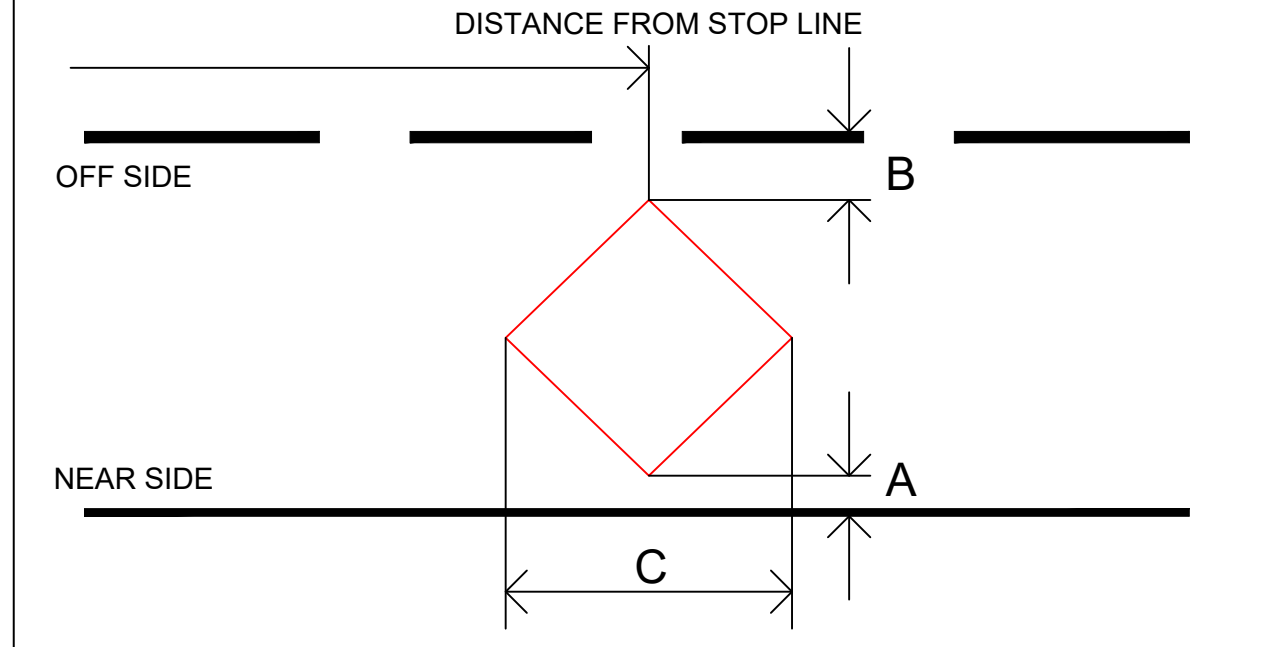


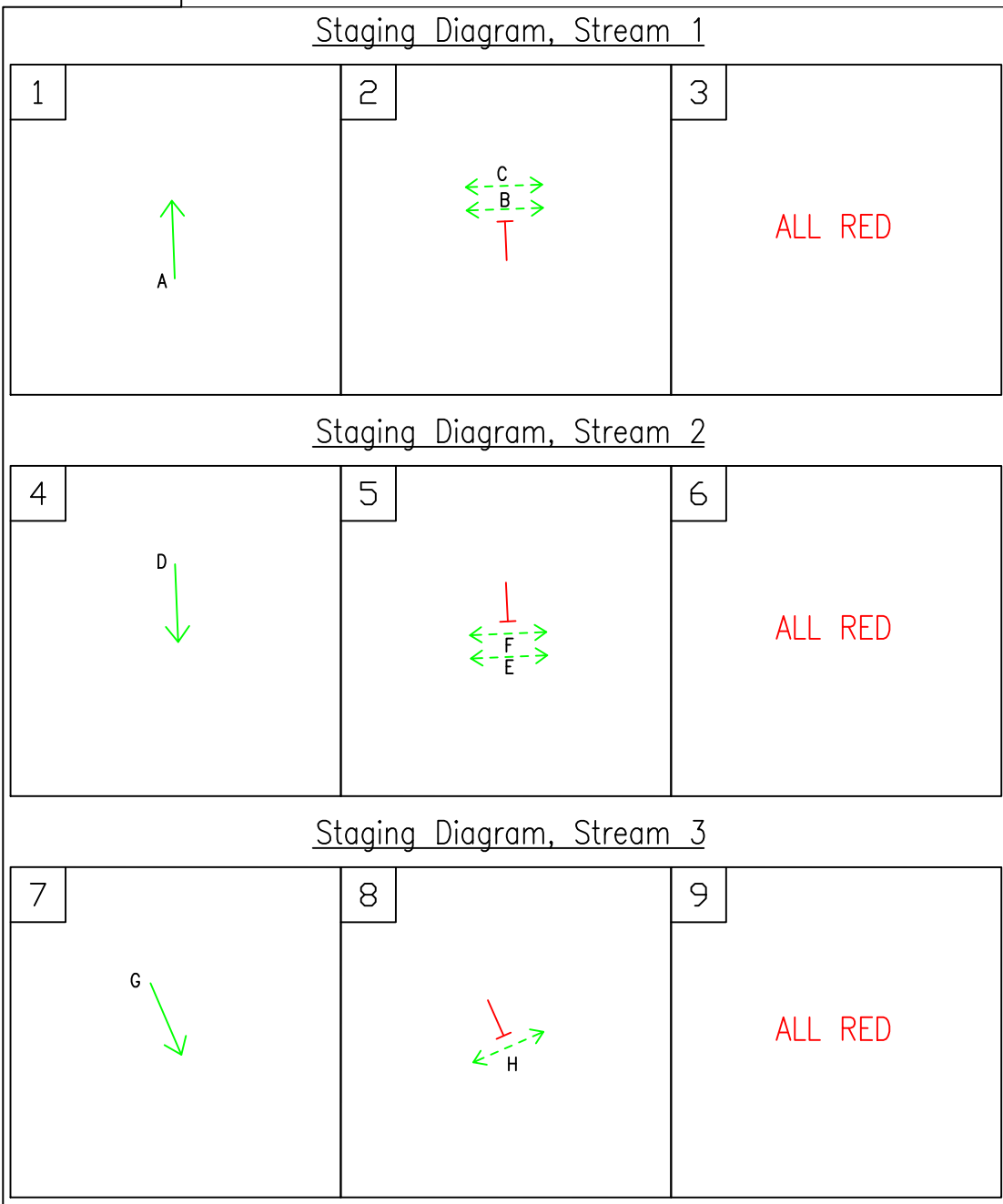


MOVA LOOP DIMENSIONS - A541 MOLD ROAD NEAR STANSTY CHAIN ROAD, WREXHAM				
LOOP NAME	DISTANCE FROM STOP LINE (M)	DISTANCE FROM NEAR SIDE (M)	DISTANCE FROM OFF SIDE (M)	LOOP WIDTH (M)
		A	B	C
STREAM 1				
AIN1	70	0.4	0.4	1.8
AX2	40	0.4	0.4	1.8
BX3	13	N/A	N/A	2.0
BSL4	2	N/A	N/A	3.0
STREAM 2				
DIN1	65	0.8	0.4	1.8
DX2	40	0.8	0.4	1.8
EX3	10	N/A	N/A	2.0
ESL4	2	N/A	N/A	3.0
STREAM 3				
GIN1	54	0.4	0.8	1.8
GX2	28	0.4	0.8	1.8
GX3	12	N/A	N/A	2.0



POLE SETTING OUT DETAILS - A541 MOLD ROAD NEAR STANSTY CHAIN ROAD, WREXHAM				
POLE NUMBER	DISTANCE FROM STOP LINE (M)	DISTANCE FROM CARRIAGEWAY (M)	DISTANCE FROM TACTILE PAVING / STUDS (M)	POLE TYPE
1	2.5	1.0	0.5	114
2, 3, 4, 7, 8, 12	N/A	0.7	0.5	114
5, 6, 11, 13, 14	2.5	0.7	0.5	114
9, 10	N/A	1.0	0.5	114
NOTE: all measurements are taken from the centre of the pole Clearance of 450mm to all traffic signal equipment shall be maintained, signal heads shall be side mounted to achieved correct clearance where required.				
POLE RETENTION SOCKET FOUNDATION DIMENSIONS - A541 MOLD ROAD NEAR STANSTY CHAIN ROAD, WREXHAM				
POLE NUMBER	RETENTION SOCKET SIZE	TYPE OF GROUND	RETENTION SOCKET DEPTH	FOUNDATION WIDTH (MM)
1	RS115	LOOSE	600	1200 x 1200
2 to 14	RS115	SOLID	600	850 x 850
NOTE: NAL sockets to be installed to manufacture guidelines. Any NAL sockets installed in loose ground type shall be installed with 2 layers of A393 mesh as per manufacture installation guidelines.				

- SIGNAL NOTES CONTINUED
- All signal equipment to be of ELV LED type.
 - Signal heads and AGD's shall be aligned to the satisfaction of the Engineer on the day of commissioning.
 - Correct camera brackets shall be installed so no above ground detector is blocked by the signal head or its associated backing board.
 - Signal heads and AGD's shall be aligned to the satisfaction of the Engineer on the day of commissioning.
 - Traffic signal heads will be installed at minimum clearance of 2.4m from ground level to the bottom edge of signal head.
 - All traffic signal equipment including hoods will require at least 0.45m clearance from carriageway to the leading edge.
 - NAL controller cabinet base to be installed, correct cabinet base will need to be ordered based on controller. Colour of base will match signal controller
 - Road markings shown are indicative and for illustration purposes only. For details of all road marking refer to SCP S278 road marking design drawings.



DRAWING N°
C/2163/100

ISSUE
1

KEY:-

- 4.0m Signal pole with top cap terminations
- VEHICLE SIGNAL HEADS
 - RAG fitted with primary hoods
 - Low level 100mm red/amber/green cycle aspect
 - Red, Amber, Green cycle aspect side mounted on signal pole
- PEDESTRIAN SIGNAL HEADS
 - Combined Puffin near sider indicator with push button indicator and tactile device
 - Pedestrian push button wait indicator and tactile device
 - ELV traffic signal controller fitted with NAL stool
 - Ritherdon RH300 hinged door electricity supply pillar
- DETECTION
 - Stop line / cycle detector zone (Virtual)
 - MOVA detection (Virtual)
 - MOVA loop detection
 - AGD650 Stop line detector (Dual input)
 - Photo cell
 - On crossing detector
 - Kerbside detector
- DUCTING AND CHAMBERS
 - 1 No. Polyethylene 50mm orange duct
 - 1 No. Polyethylene 100mm orange duct
 - X No. Polyethylene 100mm orange duct
 - Pole and RS115 NAL retention socket installed as per foundation table
 - NAL STAKKAbbox 600mm x 600mm, Twin walled access chambers, composite covers to B125
 - NAL STAKKAbbox 450mm x 450mm, Twin walled access chambers, composite covers to B125
 - NAL carriageway loop chamber, ductile iron D400 to BS2789

TRAFFIC SIGNAL NOTES

- Carriageway markings to be laid in accordance with "The Traffic Signs Regulations and General Directions 2016". Stop line to studs to be 3m.
- The controller and poles should be black in colour and labelled as per Wrexham County Borough Council (WCBC) requirements.
- The controller is to be supplied a Telent RMU with cabinet mounted aerial will be supplied and installed using wireless comms. Traffic signal contractor will also provide live update drawings.
- Tactile devices shall only be mounted with in right hand side pedestrian demand units only and shall protrude from the underside of the unit. No tactile devices required within cycle push button units.
- Nearside displays shall be installed at 30 degrees, except for nearside displays on central islands which shall be parallel to the carriageway.
- Low level cycle displays on pole 2 and 9 shall be mounted 1.5m from footway level to the middle of the amber aspect.
- Traffic signal ducting should be orange in colour, high density polyethylene twin 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 ducting to have smooth internal and external face and a wall thickness of no less than 4.75mm, corrugated ducting will not be accepted. Cut ducts will not be accepted unless at a duct chamber position.
- All ducting to be 100mm except between a joint box to underkerb for connection of loops and feeder pillar to controller which is to be 50mm. All ducting will be orange in colour except between feeder pillar and controller which will be black. Ducting will be installed with 750mm cover in the carriageway and 450mm cover in footways and verges.
- All duct boxes are to be of a modular STAKKAbbox construction as supplied by NAL Ltd.
- All duct boxes within grassed areas will require 150mm concrete surround. Coach bolts to fix the frame to chamber shall be provided and installed.
- All pole box's are to be a pole retention system as supplied by NAL Ltd allowing 360 degrees of rotation.

DO NOT SCALE

ISSUE	DESCRIPTION	DRN	CHK	DATE

CANWELL

CLIENT
SCP

SCHEME TITLE
PROPOSED PARALLEL CROSSING
A541 MOLD ROAD NEAR STANSTY CHAIN ROAD
WREXHAM

DATE: 04/08/26 DRN: JPS CHKD: LC SCALE: 1:500 @ A1
Canwell Ltd
Kertrum
Holt Street
Birmingham
B7 4BP
T 0121 250 5725
E enquiries@canwells.co.uk
STATUS: DETAIL DESIGN

DRAWING N°: C/2163/100