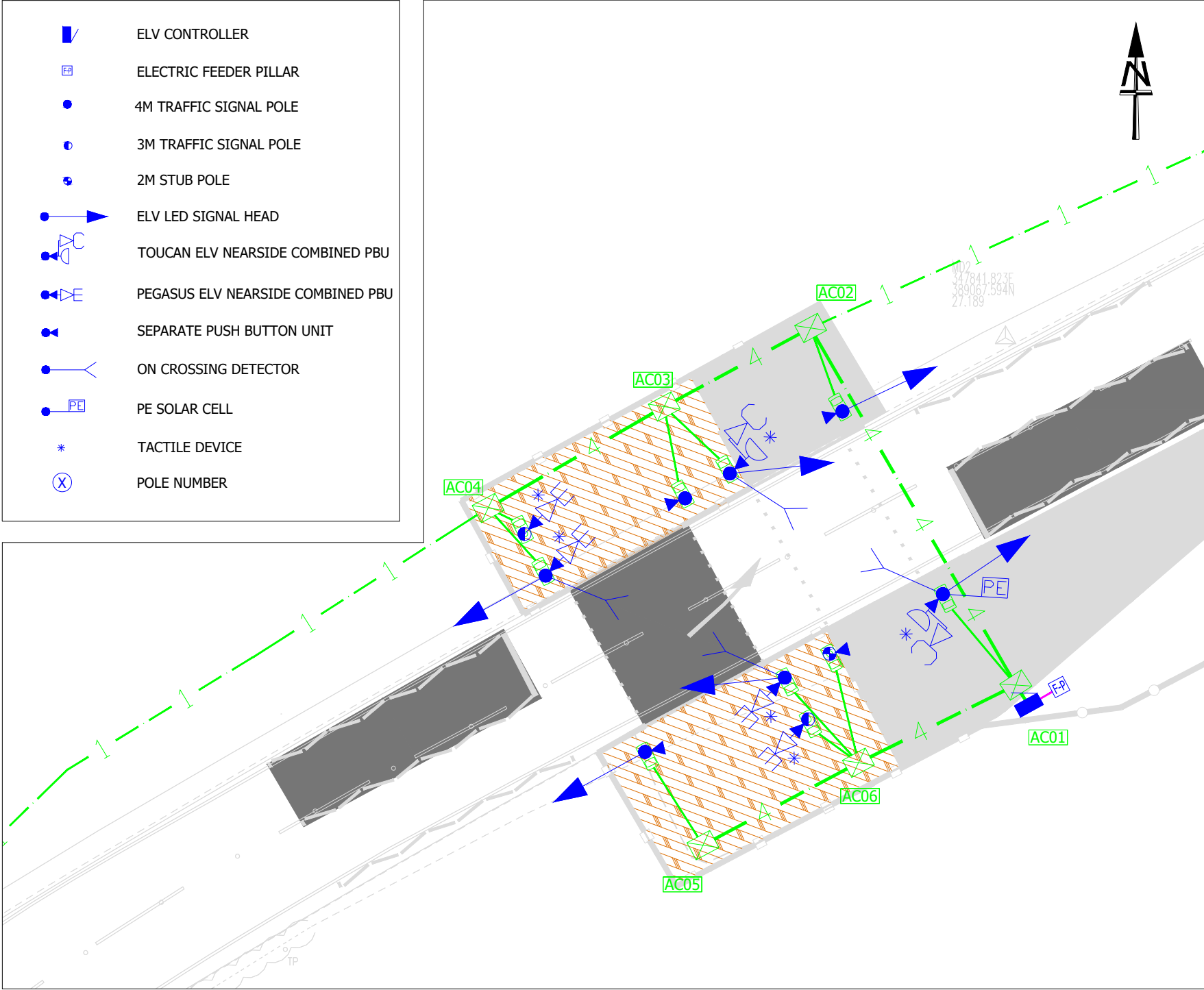


ELECTRICAL KEY

	ELV CONTROLLER
	ELECTRIC FEEDER PILLAR
	4M TRAFFIC SIGNAL POLE
	3M TRAFFIC SIGNAL POLE
	2M STUB POLE
	ELV LED SIGNAL HEAD
	TOUCAN ELV NEARSIDE COMBINED PBU
	PEGASUS ELV NEARSIDE COMBINED PBU
	SEPARATE PUSH BUTTON UNIT
	ON CROSSING DETECTOR
	PE SOLAR CELL
	TACTILE DEVICE
	POLE NUMBER

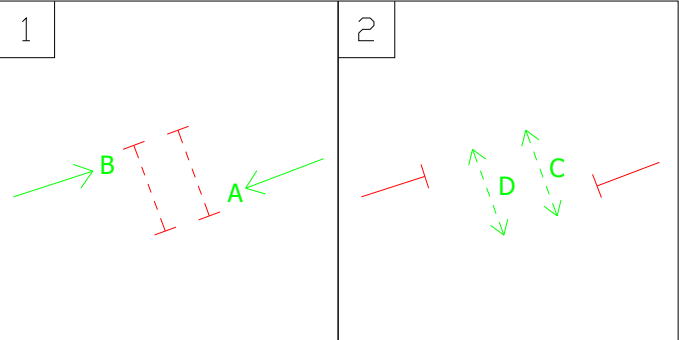
ELECTRICAL LAYOUT



HEAD SCHEDULE

RAG Traffic signal head	Equestrian combined demand/ display unit 2m above ground	Equestrian combined demand/ display unit 1m above ground	Pedestrian combined demand/display unit.	Pedestrian push button unit
Pole Number 1,3,5,6,9,10	Pole Number 4,7	Pole Number 3, 6	Pole Number 1, 9	Pole Number 2,5,8,10

STAGE DIAGRAM



CIVILS KEY

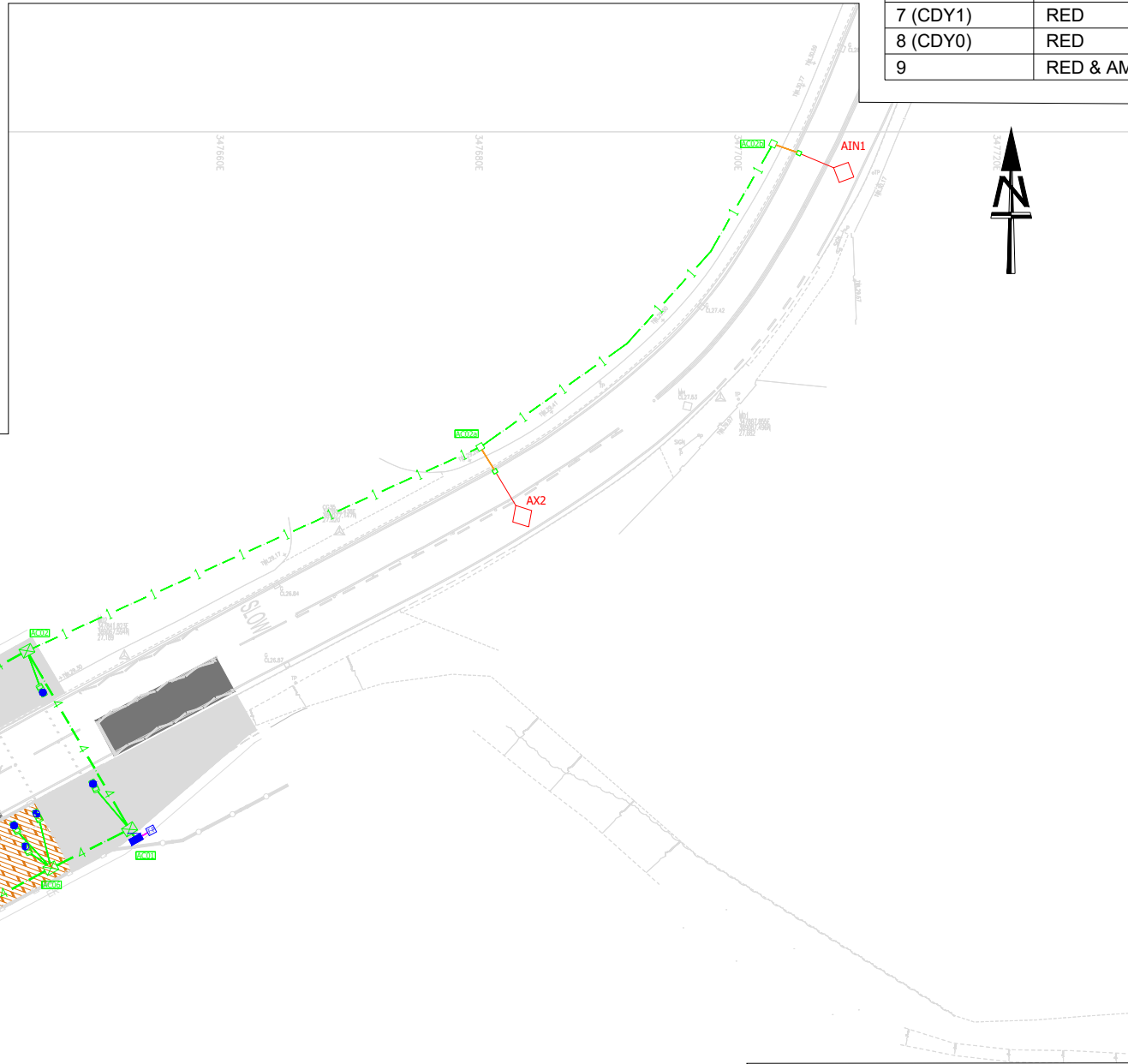
	300X450mm TRAFFIC SIGNAL ACCESS CHAMBER
	450X600mm TRAFFIC SIGNAL ACCESS CHAMBER
	LOOP CARRIAGEWAY CHAMBER
	NAL RS115 RETENTION POLE SOCKET
	X=NUMBER OF 100mm DIAMETER SIGNAL DUCT, ORANGE IN COLOUR
	1X50mm FLEXIBLE DUCT, ORANGE IN COLOUR
	1X50mm ELECTRICITY DUCT, BLACK IN COLOUR
	TACTILE PAVING
	INDUCTIVE LOOP DETECTION
	PROPOSED HARD STANDING / MAINTENANCE BAY

TRAFFIC SIGNAL DETECTION DETAILS

Detector Number	Detection label	Distance from stop line	Phase demands	Phase extends	MOVA detector number	MOVA Link number
1	AIN1	80	-	-	1	1
2	AX2	40	-	A	2	2
3	BIN3	80	-	-	3	
4	BX4	40	-	B	4	3
5	CPB1	Pole 1	C	-	5	
6	CPB2	Pole 2	C	-	5	
7	CPB9	Pole 9	C	-	5	4
8	CPB10	Pole 10	C	-	5	
9	DPB3	Pole 3	D	-	6	
10	DPB4	Pole 4	D	-	6	
11	DPB5	Pole 5	D	-	6	5
12	DPB6	Pole 6	D	-	6	
13	DPB7	Pole 7	D	-	6	6
14	DPB8	Pole 8	D	-	6	
15	COC1	Pole 1	-	-	-	-
16	COC9	Pole 9	-	-	-	-
17	DOC3	Pole 3	-	-	-	-
18	DOC6	Pole 6	-	-	-	-

CIVILS LAYOUT

SCALE 1:500



NOTES

- ALL EQUIPMENT TO BE ELV AND INSTALLED AS PER KNOWSLEY COUNCIL STANDARD DETAILS.
- ALL ACCESS CHAMBER LOCATIONS ARE INDICATIVE DUE TO DEVELOPMENT ON NORTHERN SIDE OF CROSSING AND REMOVAL OF EXISTING STONE WALL.
- PEGASUS CROSSING POINT SIGNAL EQUIPMENT IS NOT CONFIRMED TO CONSTRUCT, INDICATIVE ONLY (DUCTING TO CONSTRUCT FOR FUTURE PROOFING).
- DENSE VEGETATION PRESENT AT LOCATION.A PHASE LOOPS TO BE CUT TO THE OTHER SIDE OF ROAD.
- THE TRAFFIC SIGNAL CONTRACTOR SHALL SUPPLY, INSTALL AND COMMISSION ALL TRAFFIC SIGNAL EQUIPMENT TO KNOWSLEY COUNCIL SPECIFICATION.
- TRAFFIC SIGNAL POLES ARE TO BE STANDARD 4M, WITH THE EXCEPTION OF POLES 4 AND 7 WHICH ARE TO BE 3M, AND POLE 2 WHICH IS TO BE 2M STUB POLE.
- ALL POLES SHALL BE STAINLESS STEEL PASSIVELY SAFE.
- DISTANCES FROM THE KERB FACE TO EACH POLE IS A MINIMUM 0.7M.
- AN ELV PHOTO-ELECTRIC SOLAR SWITCH IS TO BE INSTALLED ON POLE 1 (OR THE NEAREST POLE TO THE CONTROLLER).
- CROSSING POINTS ARE TO 3M
- ALL ACCESS CHAMBERS TO BE SUPPLIED WITH C250 TYPE COVER AND FRAMES.
- ALL TRAFFIC SIGNAL HEAD BACKING BOARDS TO BE HIGH VISIBILITY.
- ALL PUSH BUTTON UNITS TO HAVE AUDIBLE ALARMS. ONLY NEARSIDE UNITS TO HAVE ROTATING TACTILE CONES.
- PEDESTRIAN DEMAND/INDICATOR UNITS ARE TO BE COMBINED.
- ELECTRICITY SUPPLY AND CABINET REQUIRED AS DETAILED ON THE DRAWING.

TRAFFIC SIGNAL POLE, RETENTION SOCKET & HEAD SCHEDULE

TRAFFIC SIGNAL POLE & RETENTION SOCKET

POLE NO	SIGNAL POLE	TYPE	INVERT mm
1	4m	NAL RS115DF	600
2	2m	NAL RS115DF	600
3	4m	NAL RS115DF	600
4	3m	NAL RS115DF	600
5	4m	NAL RS115DF	600
6	4m	NAL RS115DF	600
7	3m	NAL RS115DF	600
8	4m	NAL RS115DF	600
9	4m	NAL RS115DF	600
10	4m	NAL RS115DF	600

TRAFFIC SIGNAL ACCESS CHAMBER SCHEDULE

Access Chamber			Dimensions			
REF	TYPE	LID / FRAME	X mm	Y mm	INVERT mm	150mm Sections
AC01	NAL STAKKA BOX (Double Wall)	Composite	450	600	900	6
AC02	NAL STAKKA BOX (Double Wall)	Composite	450	600	900	6
AC02a	NAL STAKKA BOX (Double Wall)	Composite	300	450	600	4
AC02b	NAL STAKKA BOX (Double Wall)	Composite	300	450	600	4
AC03	NAL STAKKA BOX (Double Wall)	Composite	450	600	600	4
AC04	NAL STAKKA BOX (Double Wall)	Composite	450	600	600	4
AC04a	NAL STAKKA BOX (Double Wall)	Composite	300	450	600	4
AC04b	NAL STAKKA BOX (Double Wall)	Composite	300	450	600	4
AC05	NAL STAKKA BOX (Double Wall)	Composite	450	600	600	4
AC05	NAL STAKKA BOX (Double Wall)	Composite	450	600	600	4

NOTES

AECOM

PROJECT

PRESCOT TO CRONTON CYCLEWAY

CLIENT



Knowsley Council

Knowsley Council
Yorkon Buildings, Archway Road, Huyton,
L36 9YU
tel. 0151 489 6000
www.knowsley.gov.uk

CONSULTANT

AECOM
4th Floor, Merchants Court
2-12 Lord Street
Liverpool, L2 1TS
www.aecom.com

NOTES

- TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION / INFORMATION.
- DIMENSIONS AND LEVELS ARE IN METRES UNLESS OTHERWISE STATED.
- DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
- ALL LEVELS RELATE TO ORDNANCE DATUM.
- THIS DRAWING HAS BEEN PRODUCED USING TOPOGRAPHICAL SURVEY CARRIED OUT BY "MALCOLM HUGHES LAND SURVEYORS" IN MAY 2020 AND OS MAPPING RECEIVED FROM KNOWSLEY COUNCIL ON 9TH MARCH 2020.
- REFER TO DRAWING NO. 60629784-SHT-30-PCP0-CT-0100 TO 0101 FOR SCHEME LOCATION PLAN.

DETAILED DESIGN

ISSUE/REVISION

DATE	DESCRIPTION
D1 21/05/21	GEOMETRICAL ADJUSTMENTS

PROJECT NUMBER

60629784

SHEET TITLE

PHASE 8
EQUESTRIAN CROSSING
FOX BANK LANE

SHEET NUMBER

60629784-SHT-30-PCP8-CT-1251