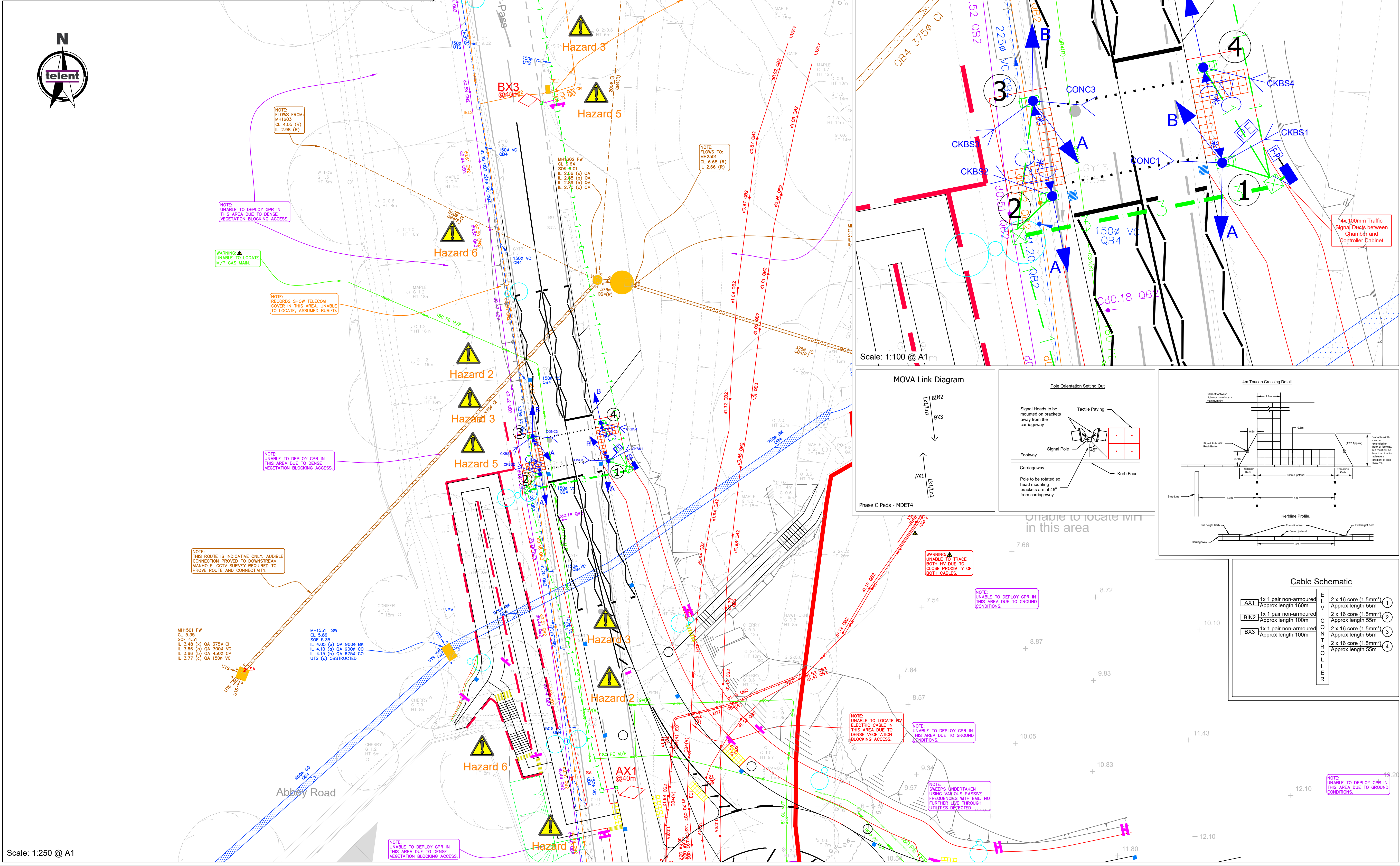
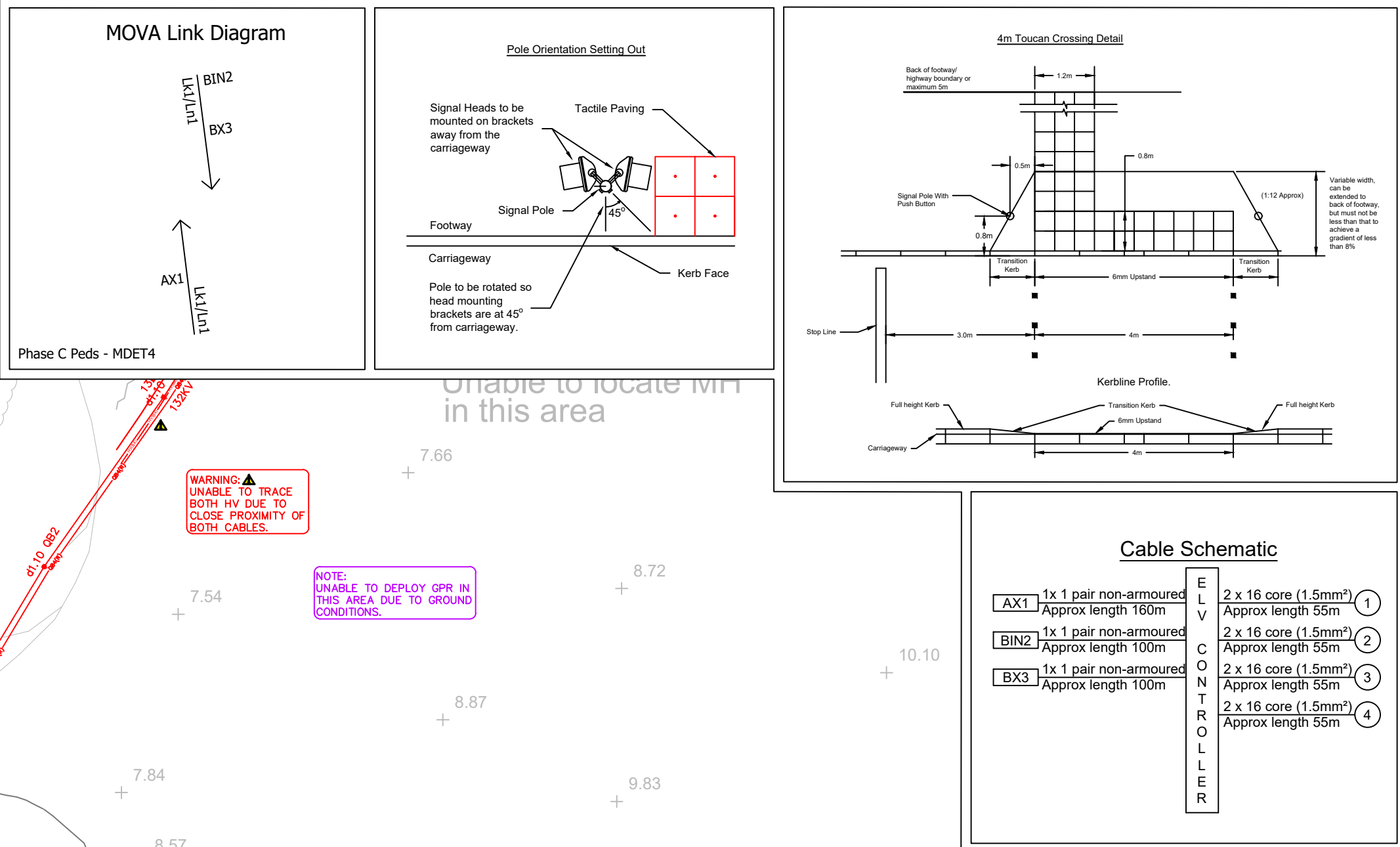
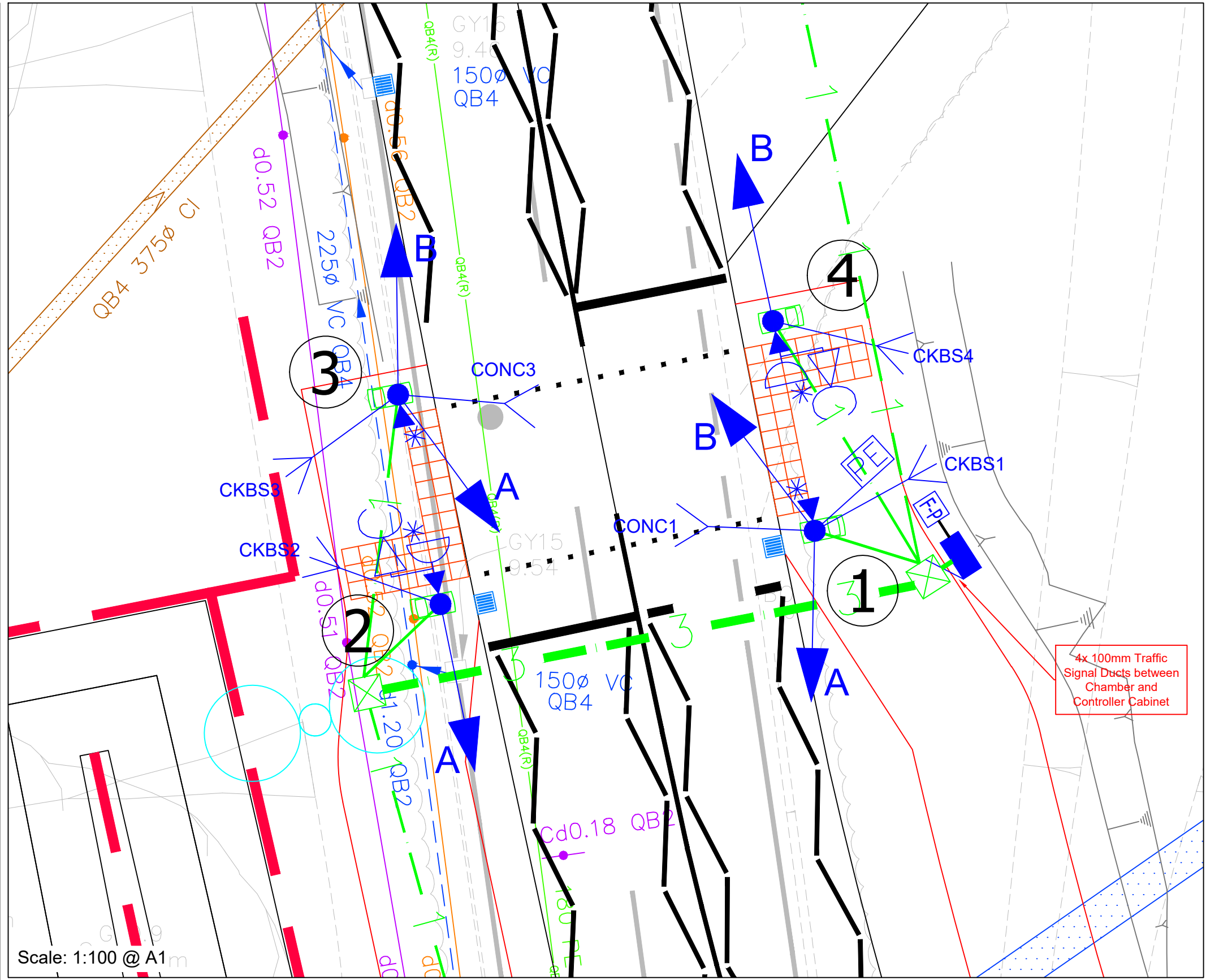


NEAR-SIDED TOUCAN CROSSING TIMINGS (SECONDS)			
Maximum Crossing Length: 7.4m			
Timing Period	Signals Shown		Timings (in seconds)
	To Pedestrians	To Vehicles	
1	Red Figure	Green	VA Min = 7 / VA Max = 25
2	Red Figure	Amber	3
3	Red Figure	Red	Gap = 3 / Force = 3
4	Green Figure	Red	5
5	Red Figure	Red	3 (min)
6	Red Figure	Red	8 (max)
7	Red Figure	Red with Amber	2



Pole Setting Out						Equipment Schedule							
Pole No	Pole Type	Pole Distance from Kerb to the Centre of Pole (m)	Pole Distance from Tactile Paving to the Centre of Pole (m)	NAL Retention Socket & Planting Depth	Notes	Primary Signal Heads	Pedestrian Equipment				Other Equipment		
							AGD 326 On-Crossing Detector	AGD 641 Kerb-side Detector	Nearside Toucan Indicator and Pedestrian Demand Unit (Combined)	Pedestrian Demand Unit only	Brushless Tactile Device	Audible Device	Photoelectric Cell
1	4m Straight Low Access Spigot	0.8	0.5	RS115 (600mm)	N/A	2	1	1		1	1		1
2	4m Straight Low Access Spigot	0.8	0.5	RS115 (600mm)	N/A	1		1	1		1	1	
3	4m Straight Low Access Spigot	0.8	0.5	RS115 (600mm)	N/A	2	1	1		1	1		
4	4m Straight Low Access Spigot	0.8	0.5	RS115 (600mm)	N/A	1		1	1		1	1	



The following information has been collected from pre-construction information and the telent CDM hazard management process.	
Hazards	
1. HV Electric Cables in the vicinity of excavation works	
2. Gas Mains in the vicinity of excavation works	
3. Telecomms Cables in the vicinity of excavation works	
4. Overhead Telecomms Cables in the vicinity of works	
5. Sewers in the vicinity of excavation works	
6. Tree Roots in the vicinity of works	
Statutory undertaker information yet to be provided. Up to date service plans to be provided within 3 months of construction start date.	

- NEW SIGNALS KEY:**
- Small case Telent OPTIMA ELV Traffic Signal Controller mounted on a NAL Controller Cabinet Base.
 - 4m Low Access Spigot Signal Pole.
 - RAG Primary Signal Head and Phase Label.
 - Nearside Toucan Indicator Combined Unit.
 - Pedestrian Demand Unit.
 - Brushless Tactile Device.
 - AGD 326 On-Crossing Detector and Label.
 - AGD 641 Kerbside Detector and Label.
 - Photoelectric Cell.
 - Signal Pole Number.
 - MOVA Detection Loop and Label.
- NEW CIVILS KEY:**
- Electrical Feeder Pillar.
 - NAL Pole Retention Socket RS115 (Duck-Foot Bend).
 - NAL STAKKAbox Chamber 600mm x 600mm.
 - NAL STAKKAbox Chamber 450mm x 450mm.
 - NAL Carriageway Loop Box with 50mm Connecting Duct.
 - 100mm Orange Traffic Signals Duct (No. as indicated).
 - 50mm Black Duct for Electrical Feed.
 - 50mm Orange Traffic Signals Duct (x1).
- Notes:**
- The traffic signal controller is to be a Telent Optima ELV (small case) with integral MOVA 8 and integral Remote Monitoring (RUT950Modem and 4G/5G case mounted aerial). Suitable 4G/5G SIM card to be provided by WSCC.
 - The Telent Optima controller cabinet is to be installed on a NAL Controller Cabinet base. Please refer to the NAL installation guide.
 - All poles are to be 114mm diameter 4m Straight Low Access Spigot and installed 450mm deep within the NAL retention socket.
 - The NAL retention sockets should be installed at 600mm deep. Please refer to the NAL installation guide and use the short levelling pole to ensure the sockets / poles are straight.
 - The poles are to be numbered clockwise from the controller as per the drawing. The pole number stickers are to be White on a Black background and positioned facing the controller.
 - All traffic signal poles, traffic signal controller cabinet and NAL Controller Cabinet Base are to be Grey in colour.
 - Traffic signal poles are to be installed with the signal head bracket fixings at 45 degrees and the signal heads mounted away from the carriageway, as per the pole orientation diagram.
 - All traffic signal heads and equipment are to be installed with a minimum clearance of 600mm to the edge of the carriageway.
 - All pedestrian demand units are to be fitted with tactile devices on the bottom right hand side of the unit.
 - Audible devices are to be installed within pedestrian demand units on poles 2 & 4.
 - Nearside indicators on Poles 2 & 4 are to have narrow field of view (NFoV) legends.
 - The photocell for dimming shall be located on a signal head on Pole 1 where it will not be affected by street lighting.
 - All road markings shown to be laid in accordance with TSRGD 2016.
 - All ducting shall be polypropylene, orange in colour, smooth bore with 'Traffic Signals' imprinted on the duct. Draw cords shall be included in all ducts.
 - All duct chambers are to have a grade B composite lid with steel frames and will have 150mm concrete bed and surround.
 - Ducting from RS115 NAL units to adjacent chambers are to be 1x100mm unless indicated otherwise. All other runs shall be as indicated by number.
 - Black 50mm duct to be installed between electrical feeder pillar and controller for electricity supply.
 - The main contractor is to arrange the installation of the electrical feeder pillar. The new electrical supply is to be terminated with a double pole isolator and 2-way consumer unit. The appropriate discrimination is to be provided for the cut-out fuse.
 - Telent Design Services to attend SAT and are to be contacted at least 2 weeks prior. The MOVA Validation will also be carried out by Telent Design Services.

DETAILED DESIGN						
02	01	11/02/2026	GA Updated	LWW	PJS	PJS
01	01	29/05/2025	First Issue	LWW	PJS	PJS
Iss	Rev	Date	Description	By	Chk	App
Glebe Farm: A283 Steyning By-Pass near Abbey Road, Steyning, West Sussex Toucan Crossing Design						
						
Telent Technology Services Ltd. Point 3, Haywood Road, Warwick, CV34 5AH, United Kingdom			Design Telephone: +44 (0)7715 080672 Design Email: design.services@telent.com			
			Tendering Telephone: +44 (0)1926 683910 Tendering Email: estimating@telent.com			
CAD File Name: 388542-DD-SS02-REV00						
Originator: LWW		Checked: PJS		Approved: PJS		Date: 29/05/2025
Drawing No: 388542-DD				Iss: 02		Rev: 00 TSO1