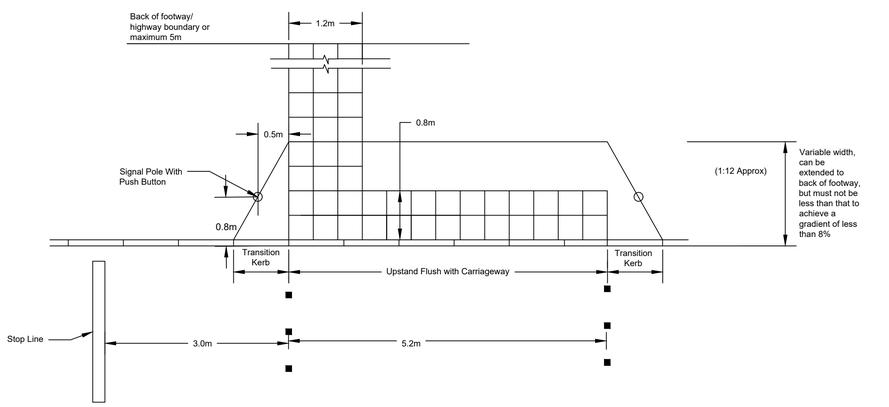
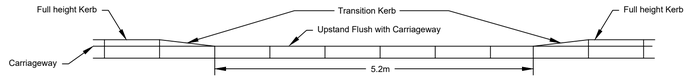


Kerbline Profile.



Not To Scale

Crossing Timings (in seconds)	
Maximum Crossing Length - 13.5m	
Period 1	7
Period 2	3
Period 3	3
Period 4	7
Period 5	5
Period 6	9
Period 7	0
Period 8	0
Period 9	2
VA Max	30

Cable Schematic

ELV CONTROLLER

- 1 x 20 core (1.5mm²) — Approx length 32m — (1)
- 1 x 20 core (1.5mm²) 1 x 8 core (1.5mm²) — Approx length 65m — (3)
- 1 x 20 core (1.5mm²) — Approx length 52m — (4)
- 1 x 20 core (1.5mm²) 1 x 16 core (1.5mm²) — Approx length 28m — (6)

Pole Setting Out

Pole No	Pole Type	Pole Distance from Kerb (m)	Pole Distance from Tactile Paving (m)	NAL Retention socket	Notes
1	4m Straight	0.8m	0.5m	RS115 (600)	
3	4m Straight	0.8m	0.5m	RS115 (600)	
4	4m Swan Neck	0.8m	0.5m	RS115 (600)	
6	4m Straight	0.8m	0.5m	RS115 (600)	

Scale: 1:250 @ A1

The following information has been collected from pre-construction information and the telent CDM hazard management process.

Hazard
HV / LV in vicinity of excavation works
Underground BT in the vicinity of excavation works
Water Mains in vicinity of excavation works
Gas Mains in vicinity of excavation works

KEY:

- Existing Traffic Signal Controller.
- 4m Slotless Signal Pole.
- 4m Slotless Swan Neck Signal Pole.
- RAG Primary Signal Head.
- Push Button Demand Unit.
- Nearside Toucan Combined Indicator & High Level Repeater.
- Brushless Tactile Device.
- Microwave Vehicle Detector.
- On-Crossing Detector.
- Kerbside Detector.
- Photoelectric Cell.
- (1) Signal Pole Number.
- NAL STAKKAbox Large Chamber 600mm x 600mm.
- Existing Large Chamber.
- Existing Small Chamber.
- NAL Pole Retention Socket RS115.
- New 100mm Orange Traffic Signals Duct (No. as indicated).
- Existing 100mm Orange Traffic Signals Duct (No. as indicated).
- Tactile Paving (Grey).
- High Friction Surfacing (Grey).

Equipment Schedule				
Pole Number	1	3	4	6
On-Crossing Detector		1		1
Kerbside Detector		1		1
MVD		1		1
Photo Electric Cell				1
RAG Primary Signal Head	2	1	2	1
Nearside Toucan Combined Unit		1		1
High Level Toucan Repeater		1		1
Brushless Tactile Device	1	1	1	1
Push Button Unit	1		1	

Notes:

1. Existing Traffic Signals Controller to be retained for Phase 1 of works.
2. The signal heads should be LED and both the signals and controller shall be ELV (Extra Low Voltage).
3. The photocell for dimming shall be located on pole 6.
4. All road markings shown to be laid in accordance with TSRGD 2016.
5. All new ducting shall be polypropylene, orange in colour, smooth bore with 'Traffic Signals' imprinted on the duct. Draw cords shall be included in all ducts.
6. Ducting from RS115 NAL units to adjacent chamber are to be 1x100mm unless indicated otherwise. All other runs shall be as indicated by number.
7. The High Friction Surfacing (HFS) shall extend 50m in from each stop line. The HFS shall also extend through to the first set of pedestrian studs. All HFS to be coloured grey.
8. All poles and controller are to be black in colour.
9. Poles 3 and 6 are to include High level Nearside pedestrian indicator repeater units.
10. Audible Devices to be fitted to Poles 3 & 6.
11. Drawing to be read in conjunction with the works specification.

ISSUED FOR CONSTRUCTION.

Title:
PHASE 1 - Marketfield Way, Redhill
Surrey
Traffic Signals Design

Project No:	Scale:	Date:
S00927	As Shown	12/03/2021
Drawn: RDG	CAD File Name: 265868-TS-Construction H&I	

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Originator:	Checked:	Approved:	Approval Date:
RDG	PJS	PJS	12/03/2021

DRAWING No:	ISS:
265868-TS01	Construction H

Original Size: A1

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