

70m length of grey HFS to be applied on the surface course ahead of the stop line to the first row of studs

Pole Nos. 2, 3 & 4 to be provided with horizontal louvres on amber & green signal aspects for east bound traffic approaching the roundabout

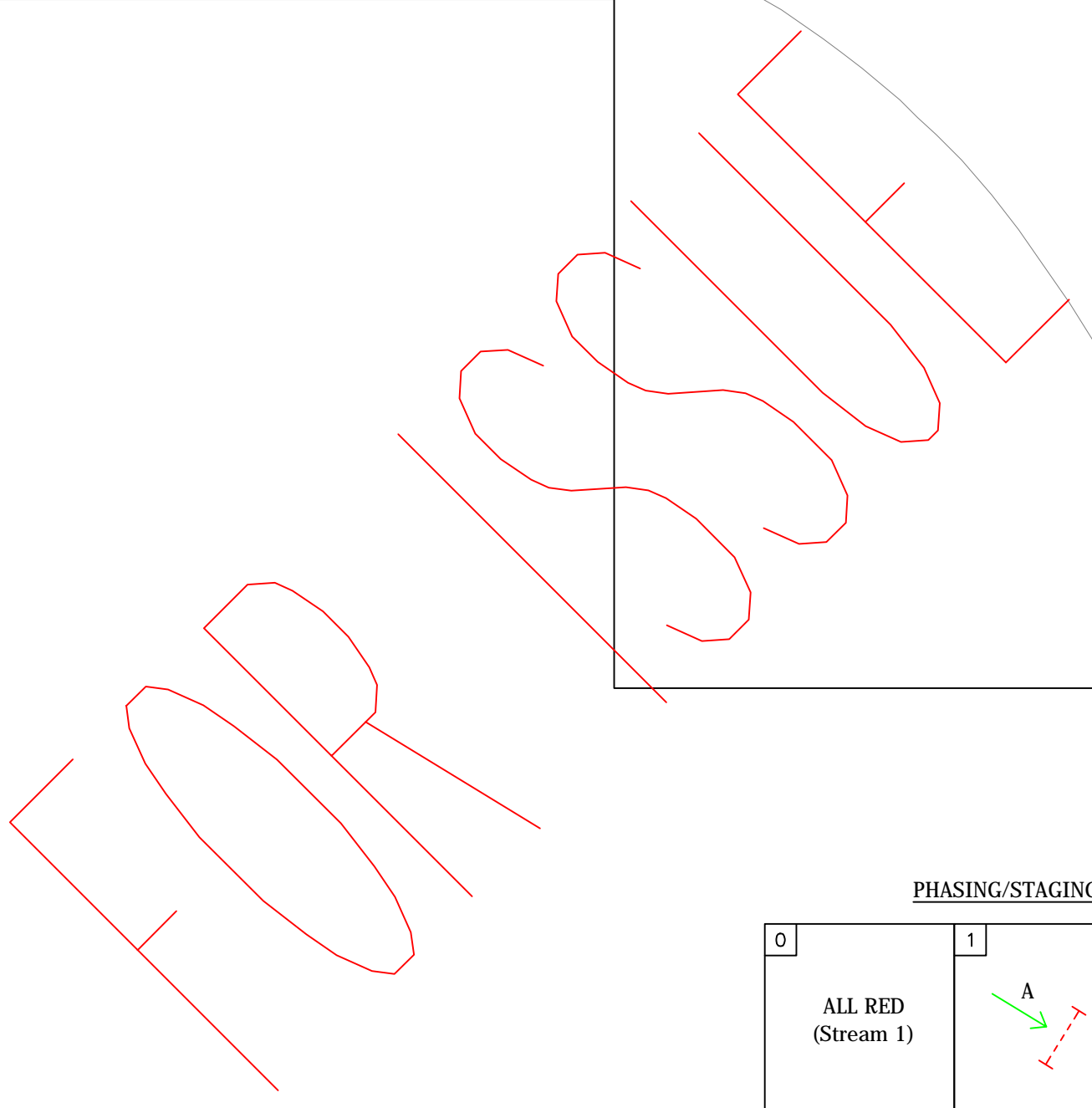
Traffic signal controller housing, electrical service feeder pillar (F-P) & BT post joint (PJT) within paved surround

Give Way marking to Diagram 1003 to be provided at roundabout in conjunction with upright signs to Diagram 602, where there might otherwise be uncertainty about priorities, e.g., where drivers might be confused by the green signal at the pedestrian crossing immediately before the roundabout

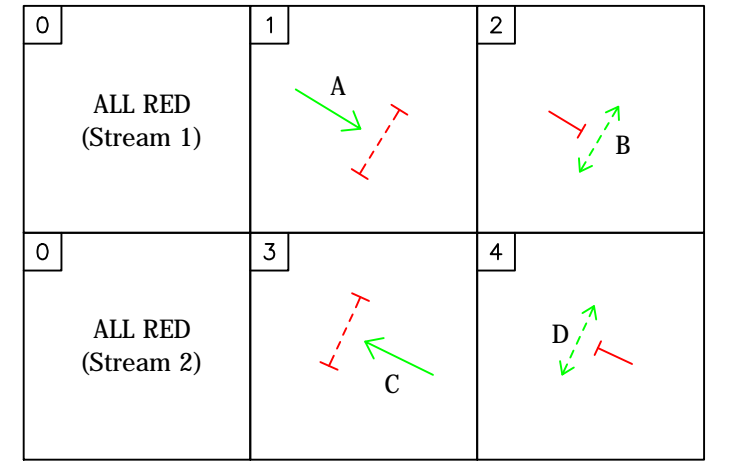
VP1
Scale 1:200

Scheme Location Plan

Footway edging (indicative)



PHASING/STAGING DIAGRAM



Equipment Schedule									
Pole No.	Pole Type	Primary Signal Head	ELV Nearside Toucan Display & Separate PBU with Tactile Device	ELV Nearside PBU with Tactile Device	Pedestrian Kerbside Detector	On Crossing Detector	Horizontal louvres (amber and green aspects)	Photoelectric Cell	
1	Stub Pole	-	-	1	-	-	-	-	
2	Standard	1	1	-	1	1	2	-	
3	Standard	1	1	-	-	-	2	-	
4	Standard	1	-	1	-	1	2	-	
5	Standard	1	-	1	-	1	-	-	
6	Standard	1	1	-	1	-	-	1	
7	Standard	1	1	-	1	1	-	-	
8	Stub Pole	-	-	1	-	-	-	-	

Operation Cycle and Timings for Toucan Crossing				
Period LTN 2-95	Signals Shown		Crossing B Timings (seconds)	Crossing D Timings (seconds)
	To Pedestrians	To Vehicles		
1	Red Standing Figure (wait)	Green (proceed if way is clear)	30	30
2	Red Standing Figure	Amber (stop unless not safe to do so)	3	3
3	Red Standing Figure	Red (stop, wait behind Stop line on carriageway)	2	2
4	Green Walking Figure	Red	7	7
5	Red Standing Figure (do not start to cross)	Red	3	3
6	Red Standing Figure	Red	8	8
7	Red Standing Figure	Red	3	3
8	Red Standing Figure	Red	1	1
9	Red Standing Figure	Red with Amber (stop)	2	2

KEY:

- New 100mm Dia. HPDE/MPDE/uPVC "ORANGE" coloured Traffic Signal Duct
- New 50mm Dia. HPDE/MPDE/uPVC "ORANGE" coloured Traffic Signal Duct
- Stub signal pole (2.0m height, 700mm planting depth) with Pole Retention Socket (NAL RS115 Duckfoot Bend or similar) to secure posts, which require direct fed cabling with remote chamber
- Straight Pole (4.2m height, 700mm planting depth) with Pole Retention Socket (NAL RS115 Duckfoot Bend or similar) to secure post, which requires direct fed cabling with remote chamber
- Horizontal louvres (amber and green signal aspects)
- New 600x600 (NAL STAKKAbOX or similar) access chamber
- New 450x450 (NAL STAKKAbOX or similar) access chamber
- System D inductive loop vehicle detector
- Speed discrimination loops

- Notes
- Signal Pole No. 1, 2, 3, 4, 5, 6, 7 and 8 to be fitted with Pole Retention Socket (NAL RS115 Duckfoot or similar) to secure posts, which require direct fed cabling with remote chamber; the socket to be fitted with an anti-rotation device.
 - All signal poles are slotless.
 - The NAL RS115 Retention Socket with Duckfoot bend should be set into concrete generally in accordance with Standards or good Codes of Practice for the installation of posts. If unsure, seek technical advice from the manufacturer.
 - All works to be carried out in accordance with the SCC Traffic Signal Specification and Guidelines.

Rev.	Description	Drwn	Sig.	Date	Chkd	Sig.	Date	Appr	Sig.	Date
A	First draft of detailed design	G.P.B.		22/12/08	T.W.B.		22/12/08	T.W.B.		22/12/08
B	Amended to reflect Safety Audit's recommendations	G.P.B.		08/05/12	T.W.B.		08/05/12	T.W.B.		08/05/12
C	Controller position relocated to northern footway due to location of LV supply	G.P.B.		20/07/12	T.W.B.		20/07/12	T.W.B.		20/07/12
-	Traffic signal poles renumbered	-	-	-	-	-	-	-	-	-

North Point		
Drawn by	G.P.B.	Date 24/08/12
Checked by	D.M.	Date 24/08/12
Approved by	T.W.B.	Date 24/08/12

Project: A308 STAINES BT-PASS, FORDBRIDGE ROUNDABOUT, ASHFORD, SURREY

PROPOSED TRAFFIC SIGNAL DETAILS FOR TOUCAN CROSSING

SHEET 1 OF 1

Project No. 4474

Contract Sheet No.

Drawing No. 4474-02

Rev. C

Classification CONSTRUCTION

SURREY COUNTY COUNCIL
Environment & Infrastructure