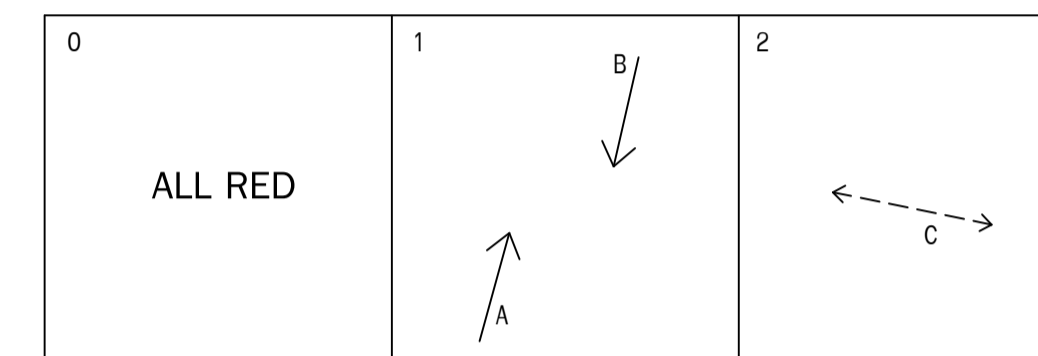


TOUCAN TIMINGS

PERIOD	SIGNAL TO VEHICLE	SIGNAL TO PEDESTRIANS/CYCLISTS	DURATION (SECONDS)
1	GREEN	RED	15
2	AMBER	RED	3
3	RED	RED	3 GAP 3 FORCE
4	RED	GREEN	6
5	RED	RED	3
6	RED	RED	0/7
7	RED	RED	-
8	RED	RED	-
9	RED/AMBER	RED	2

Notes:
 Maximum Vehicle Green 30 seconds.
 Minimum Vehicle Green 7 seconds.
 On crossing extension: 2.0 s
 Timings shown have been calculated in accordance with TAL 5/05

PHASING AND STAGING DIAGRAM



KEY	
	PRIMARY 3 ASPECT SIGNAL HEAD
	4m POLE
	2m STUB POLE
	PUSH BUTTON UNIT WITH TOUCAN NEAR-SIDE INDICATOR MOUNTED ABOVE
	PEDESTRIAN PUSH BUTTON
	ON CROSSING DETECTOR (OCD)
	AGD 318 DUAL OUTPUT DETECTOR
	PE CELL
	SIGNAL CONTROLLER
	600 x 450 TRAFFIC SIGNAL ACCESS CHAMBER
	PEDESTRIAN STUDS
	DROP KERB
	100mm FLEXIBLE CABLE DUCT
	2 x 100mm CABLE DUCT
	4 x 100mm CABLE DUCT
	50mm ELECTRICITY CABLE DUCT
	ELECTRICITY SUPPLY MINI PILLAR
	RED TACTILE PAVING
	CONTROLLER HARDSTANDING
	VEHICLE MAINTENANCE BAY

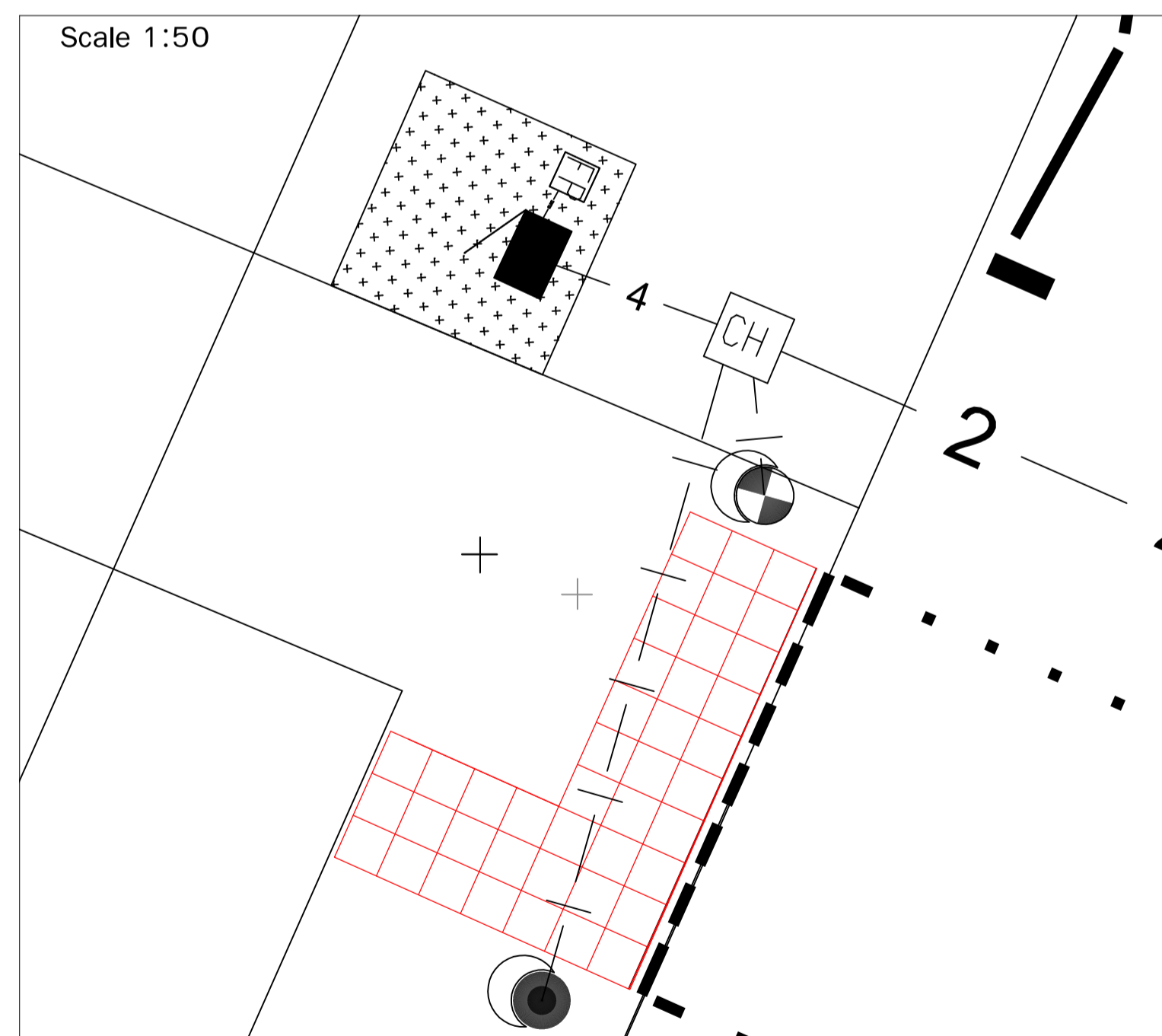
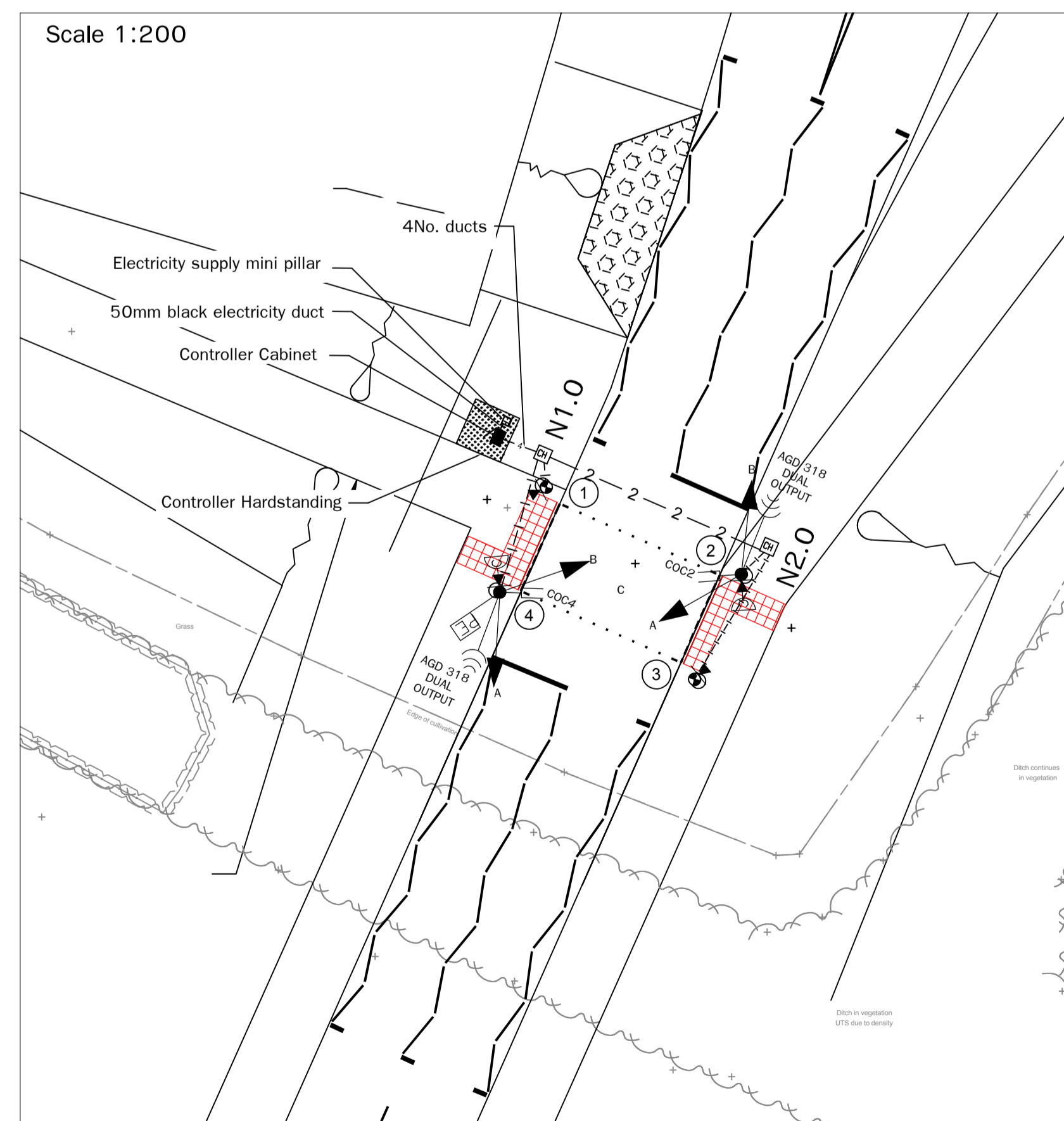
DETECTOR FUNCTIONS

CONTROLLER DETECTOR NUMBER	DETECTOR LABEL	APPROXIMATE DISTANCE FROM STOP LINE	PHASE(S) DEMANDED	PHASE(S) EXTENDED	ALL RED EXTEND	DETECTOR TYPE	CHANNEL	POLE NUMBER
01	AIN1	85	-	A	-	318	OUTPUT 1	4
02	AX2	35	A	A	-	318	OUTPUT 2	4
03	BIN3	45	-	B	-	318	OUTPUT 1	2
04	BX4	28	B	B	-	318	OUTPUT 2	2
05	CPB1	-	C	-	-	PB	-	1
06	CPB2	-	C	-	-	PB	-	2
07	CPB3	-	C	-	-	PB	-	3
08	CPB4	-	C	-	-	PB	-	4
09	COC2	-	-	-	C	OC	-	2
10	COC4	-	-	-	C	OC	-	4

Notes:
 Wait confirm for Phase C to MOVA det 5.
 Copy of AX2 to MOVA det 6.
 Copy of BX2 to MOVA det 7.

NOTES

1. Controller to be ELV.
2. All signal heads to be LED.
3. Stop lines to be located a minimum of 3m from the pedestrian crossing studs.
4. Stop lines to be 200mm.
5. All Push button units to be fitted with tactile rotating cones.
6. Audibles to be fitted to PBU on Poles 2 and 4.
7. Audibles to be switched off between the hours of 22:00 and 07:00.
8. The angle of rotation for all Push button units to be agreed with the engineer on site.
9. AGD 318 Dual Output Detectors to be mounted on Poles 2 and 4.
10. All poles to be installed with NAL RS115 pole retention sockets.
11. All poles to be offset 0.8m from the kerb edge and 0.4m from tactile paving.
12. Poles and controller to be grey.
13. PE Cell to be installed on Pole 4.
14. Red lamp monitoring to be installed due to provision of tactiles and audibles.
15. The accuracy of this drawing cannot be guaranteed for the setting out of civils works.



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS	
CONSTRUCTION: AT TIME OF DESIGN NO STATS HAVE BEEN IDENTIFIED IN THE AREA, HOWEVER PRIOR TO CONSTRUCTION, THE SURVEY SHOULD BE REPEATED AND NORMAL PRECAUTIONS TAKEN.	
MAINTENANCE/CLEANING: MAINTENANCE BAY IS LOCATED SOUTH OF THE ROUNDABOUT	
USE: NONE	
DECOMMISSIONING/DEMOLITION: NONE	



Client
MLM
 www.mlm.uk.com

Title
 Relief Road, South of Roundabout, Haverhill, Suffolk
 Toucan Crossing Design Drawing

Drawing Number 18008-101		Project Haverhill Relief Road	
A1			
Designed AW	Checked CW	Authorised SLO	Date 07/03/18

	INITIALS	DATE
TIMINGS CALC	AW	19/02/18
TIMINGS CHECK	CW	19/02/18