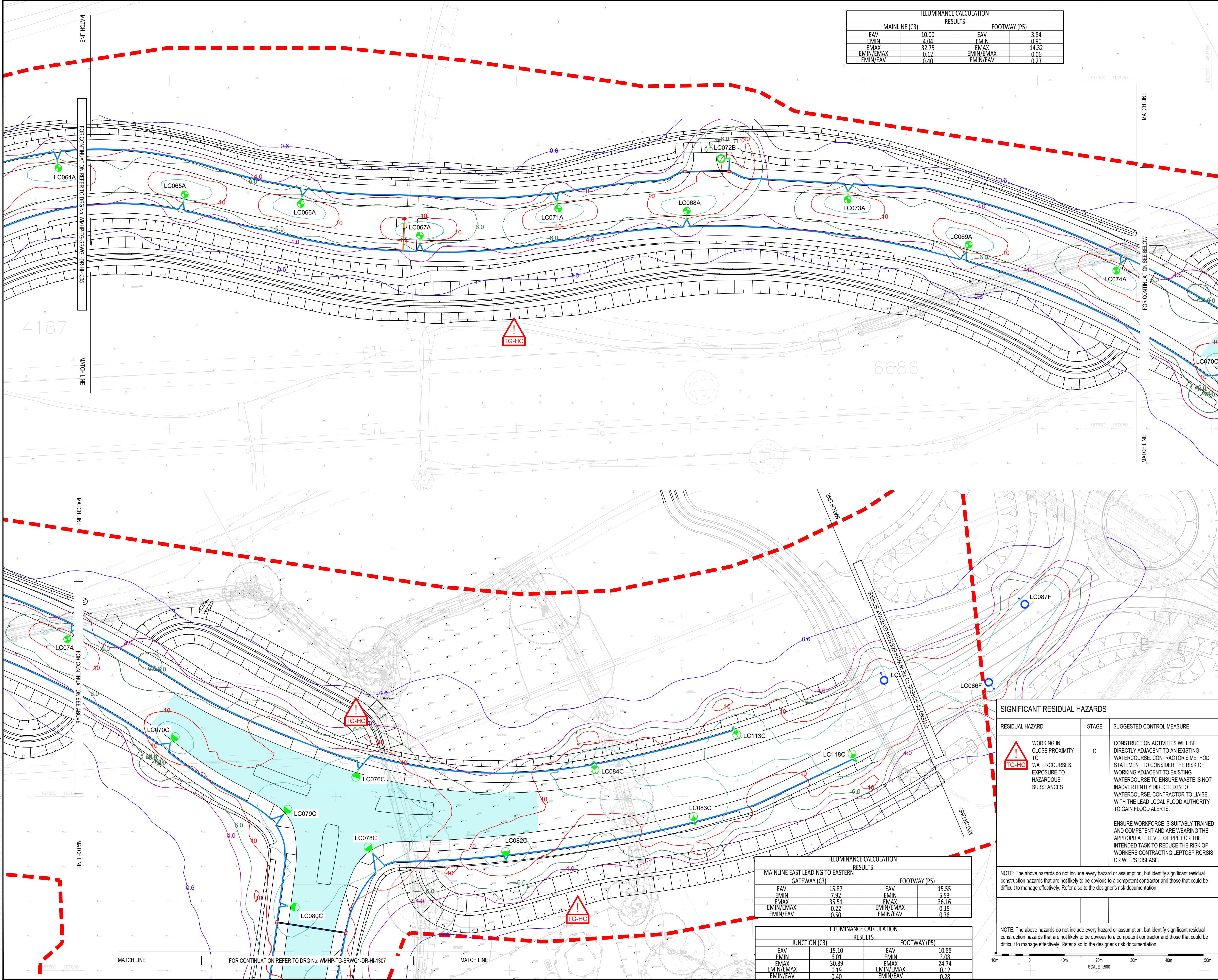




ILLUMINANCE CALCULATION RESULTS			
MAINLINE (C3)		FOOTWAY (P5)	
EAV	10.00	EAV	3.84
EMIN	4.04	EMIN	0.90
EMAX	32.75	EMAX	14.32
EMIN/EMAX	0.12	EMIN/EMAX	0.06
EMIN/EAV	0.40	EMIN/EAV	0.23

DO NOT SCALE

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SPECIFICATION REFERENCE: WMHP-TG-SRWG1-SP-LI-1301 AND DRAWING WMHP-TG-SRWG1-DR-LI-1301.

3. ROAD LIGHTING DESIGNED TO CE4 FOR THE MAINLINE DUE TO HORIZONTAL CURVE <500m AND CE3 FOR TWO JUNCTION CONFLICT ZONES IDENTIFIED.

4. ALL LUMINAIRES SHALL BE WARM WHITE 3000K.

5. FOOTWAY LIGHTING DESIGNED TO P5 AT MINIMUM.

6. THE COLUMNS TO BE FITTED WITH SCREENS/BAFFLES TO MEET ECOLOGICAL REQUIREMENTS HAVE BEEN IDENTIFIED IN THE SCHEDULE

LEGEND

RED LINE BOUNDARY

EXISTING LIGHTING COLUMN TO BE RETAINED. MF = 0.74

8m POST TOP COLUMN, WITH 1x DW WINDSOR KIRIUM PRO2

48 LED 3k A1 CLO 400mA UMSUG LUMINAIRE. MF = 0.85

8m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2

64 LED 3k A5 CLO 750mA UMSUG LUMINAIRE. MF = 0.85

10m POST TOP COLUMN, WITH 1x DW WINDSOR KIRIUM PRO2

48 LED 3k A1 CLO 400mA UMSUG LUMINAIRE. MF = 0.85

10m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2

64 LED 3k A5 CLO 750mA UMSUG LUMINAIRE. MF = 0.85

8m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2

48 LED 3k C3 CLO 200mA UMSUG LUMINAIRE. MF = 0.81

LUMINAIRE SPECIFIED IN EASTERN GATEWAY DESIGN PACKAGE

2No. 50mm Ø ORANGE DUCTS U.N.O. FOR ELECTRICITY SUPPLY TO ILLUMINATED SIGNS.

DUCTED LIGHTING CIRCUIT.

2No. 100mm Ø ORANGE DUCTS U.N.O.

900mm x 900mm DRAWPIT.

LUX CONTOURS.

CONFLICT AREA.

SHEET LOCATION PLAN

N.T.S.

PM4	01/04/2022	MH	INTERNAL REVIEW UPDATES	ARL	JC
PM3	28/09/2021	BH	REVISED FOR PLANNING DISCHARGE	JC	ALM
PM2	10/08/2021	JF	REVISED FOR PLANNING DISCHARGE AND SCO COMMENTS	DJF	JC
REV	DATE	BY	DESCRIPTION	CHK	APP
DRAWING STATUS:					S3
SUITABLE FOR REVIEW & COMMENT					S3
DESIGNER:					Tony Gee and Partners LLP
					Hardy House
					140 High Street
					Essex, Surrey
					KT10 9QJ
					Tel: 01372 461600
					www.tonygee.com
CONSULTING CIVIL, STRUCTURAL AND GEOTECHNICAL ENGINEERS					
CONTRACTOR:					

CLIENT:

WOKINGHAM BOROUGH COUNCIL

Shute End, Wokingham, Berkshire RG40 1BN

Tel: (0118) 974 6000 Web: www.wokingham.gov.uk

PROJECT:

WOKINGHAM MAJOR HIGHWAYS PROGRAMME

SPINE ROAD AND WESTERN GATEWAY PHASE 1

TITLE:

HIGHWAYS LIGHTING

PLAN LAYOUT

SHEET 6

SCALE @ A1:	1:500	CHECKED:	DJF	APPROVED:	JC
PROJECT NO:	C118047	DESIGNED:	ALM	DRAWN:	ALM
DRAWING NO:	WMHP-TG-SRWG1-DR-LI-1306	DATE:	October 19	REV:	P04

SIGNIFICANT RESIDUAL HAZARDS		
RESIDUAL HAZARD	STAGE	SUGGESTED CONTROL MEASURE
TG-HC WORKING IN CLOSE PROXIMITY TO WATERCOURSES. EXPOSURE TO HAZARDOUS SUBSTANCES	C	CONSTRUCTION ACTIVITIES WILL BE DIRECTLY ADJACENT TO AN EXISTING WATERCOURSE. CONTRACTOR'S METHOD STATEMENT TO CONSIDER THE RISK OF WORKING ADJACENT TO EXISTING WATERCOURSE TO ENSURE WASTE IS NOT INADVERTENTLY DIRECTED INTO WATERCOURSE. CONTRACTOR TO LIAISE WITH THE LEAD LOCAL FLOOD AUTHORITY TO GAIN FLOOD ALERTS. ENSURE WORKFORCE IS SUITABLY TRAINED AND COMPETENT AND ARE WEARING THE APPROPRIATE LEVEL OF PPE FOR THE INTENDED TASK TO REDUCE THE RISK OF WORKERS CONTRACTING LEPTOSPIRORIS OR WEIL'S DISEASE.
NOTE: The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk documentation.		
NOTE: The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk documentation.		

ILLUMINANCE CALCULATION RESULTS			
MAINLINE EAST LEADING TO EASTERN GATEWAY (C3)		FOOTWAY (P5)	
EAV	15.87	EAV	15.55
EMIN	7.97	EMIN	5.53
EMAX	35.51	EMAX	36.16
EMIN/EMAX	0.22	EMIN/EMAX	0.15
EMIN/EAV	0.50	EMIN/EAV	0.36

ILLUMINANCE CALCULATION RESULTS			
JUNCTION (C3)		FOOTWAY (P5)	
EAV	15.10	EAV	10.88
EMIN	6.01	EMIN	3.08
EMAX	30.89	EMAX	24.74
EMIN/EMAX	0.19	EMIN/EMAX	0.12
EMIN/EAV	0.40	EMIN/EAV	0.28