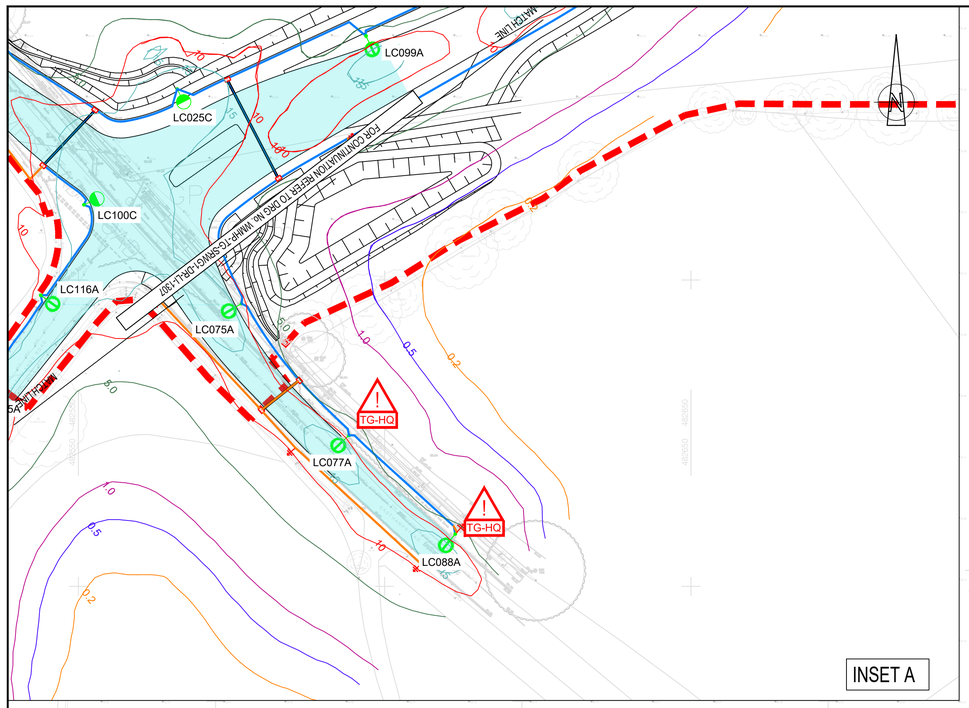
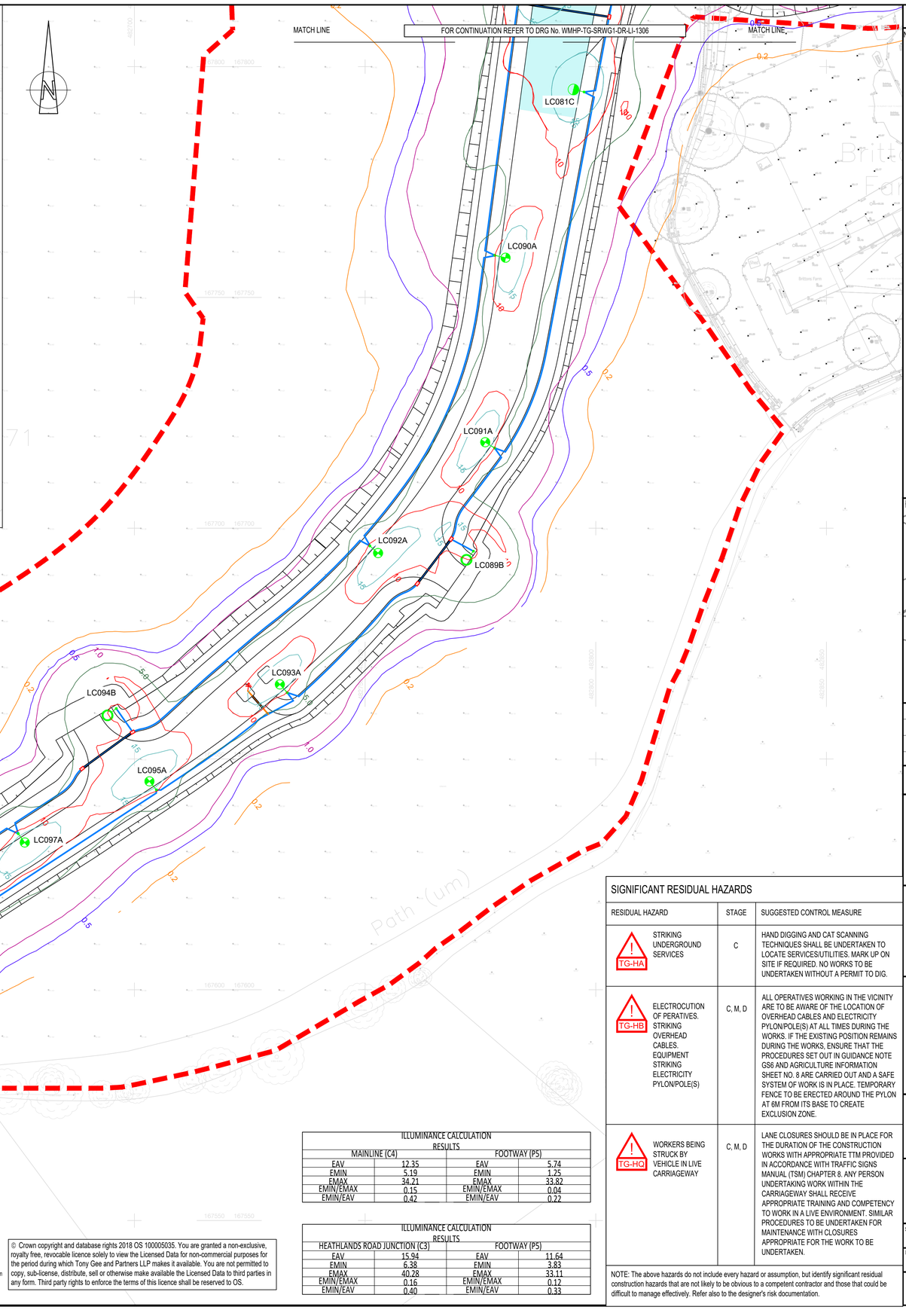




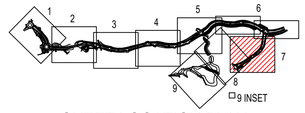
DO NOT SCALE

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-1321.
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
7. CLO TO BE DISABLED ON ALL LUMINAIRES

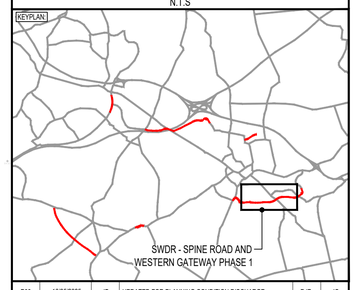
LEGEND

- 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 7.63klm 51W UMSUG LUMINAIRE. MF = 0.85
- 8m COLUMN 1.5m BRACKET ARM, WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A1 CLO 400mA 7.63klm 51W UMSUG LUMINAIRE. MF = 0.85
- 8m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2 64 LED 3k A5 CLO 750mA 15.86klm 125W UMSUG LUMINAIRE. MF = 0.85
- 10m POST TOP COLUMN, WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A1 CLO 400mA 7.63klm 51w UMSUG LUMINAIRE. MF = 0.85
- 10m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2 64 LED 3k A5 CLO 750mA 15.86klm 125W UMSUG LUMINAIRE. MF = 0.85
- 6m POST TOP COLUMN WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k C3 CLO 200mA 4.14klm 27W 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.
- D 900mm x 600mm DRAWPIT.
- LUX CONTOURS.
- CONFLICT AREA.



SHEET LOCATION PLAN

N.T.S



REV	DATE	BY	DESCRIPTION	CHK	APP
P06	16/05/2025	JB	UPDATED FOR PLANNING CONDITION DISCHARGE	DJF	JC
P05	02/06/2022	HD	MATTERS OUTSTANDING WMHP-TG-SRWG1-RG-DM-0010	BH	JC
P04	01/04/2022	MH	INTERNAL REVIEW UPDATES	ARL	JC

DRAWING STATUS: SUITABLE FOR REVIEW & COMMENT S3

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PROJECT:
WOKINGHAM MAJOR HIGHWAYS PROGRAMME
SPINE ROAD AND WESTERN GATEWAY PHASE 1

TITLE:
HIGHWAYS
LIGHTING
PLAN LAYOUT
SHEET 7

SCALE @ A1:	CHECKED:	APPROVED:
1:500	DJF	JC

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
C123061	ALM	ALM	October 19

DRAWING No: WMHP-TG-SRWG1-DR-LI-1307 REV: P06

SIGNIFICANT RESIDUAL HAZARDS

RESIDUAL HAZARD	STAGE	SUGGESTED CONTROL MEASURE
TG-HA STRIKING UNDERGROUND SERVICES	C	HAND DIGGING AND CAT SCANNING TECHNIQUES SHALL BE UNDERTAKEN TO LOCATE SERVICES/UTILITIES. MARK UP ON SITE IF REQUIRED. NO WORKS TO BE UNDERTAKEN WITHOUT A PERMIT TO DIG.
TG-HB ELECTROCUTION OF PERATIVES. STRIKING OVERHEAD CABLES. EQUIPMENT STRIKING ELECTRICITY PYLON/POLE(S)	C, M, D	ALL OPERATIVES WORKING IN THE VICINITY ARE TO BE AWARE OF THE LOCATION OF OVERHEAD CABLES AND ELECTRICITY PYLON/POLE(S) AT ALL TIMES DURING THE WORKS. IF THE EXISTING POSITION REMAINS DURING THE WORKS, ENSURE THAT THE PROCEDURES SET OUT IN GUIDANCE NOTE GS6 AND AGRICULTURE INFORMATION SHEET NO. 8 ARE CARRIED OUT AND A SAFE SYSTEM OF WORK IS IN PLACE. TEMPORARY FENCE TO BE ERECTED AROUND THE PYLON AT 6M FROM ITS BASE TO CREATE EXCLUSION ZONE.
TG-HQ WORKERS BEING STRUCK BY VEHICLE IN LIVE CARRIAGEWAY	C, M, D	LANE CLOSURES SHOULD BE IN PLACE FOR THE DURATION OF THE CONSTRUCTION WORKS WITH APPROPRIATE TTM PROVIDED IN ACCORDANCE WITH TRAFFIC SIGNS MANUAL (TSM) CHAPTER 8. ANY PERSON UNDERTAKING WORK WITHIN THE CARRIAGEWAY SHALL RECEIVE APPROPRIATE TRAINING AND COMPETENCY TO WORK IN A LIVE ENVIRONMENT. SIMILAR PROCEDURES TO BE UNDERTAKEN FOR MAINTENANCE WITH CLOSURES APPROPRIATE FOR THE WORK TO BE UNDERTAKEN.

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 (C4)		FOOTWAY (P5)	
EAV	12.35	EAV	5.74
EMIN	5.19	EMIN	1.25
EMAX	34.21	EMAX	33.82
EMIN/EMAX	0.15	EMIN/EMAX	0.04
EMIN/EAV	0.42	EMIN/EAV	0.22

ILLUMINANCE CALCULATION RESULTS

HEATHLANDS ROAD JUNCTION (C3)		FOOTWAY (P5)	
EAV	15.94	EAV	11.64
EMIN	6.38	EMIN	3.83
EMAX	40.28	EMAX	33.11
EMIN/EMAX	0.16	EMIN/EMAX	0.12
EMIN/EAV	0.40	EMIN/EAV	0.33

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10m 0 10m 20m 30m 40m 50m
SCALE 1:500

File name I:\PABLO\DATA\PROJECTS\2018\C118\04TB\MH1-WP\DRAWINGS\WMHP-TG-SRWG1-DR-LI-1307.DWG, printed on 16 May 2025 18:51:37, by David Frampton