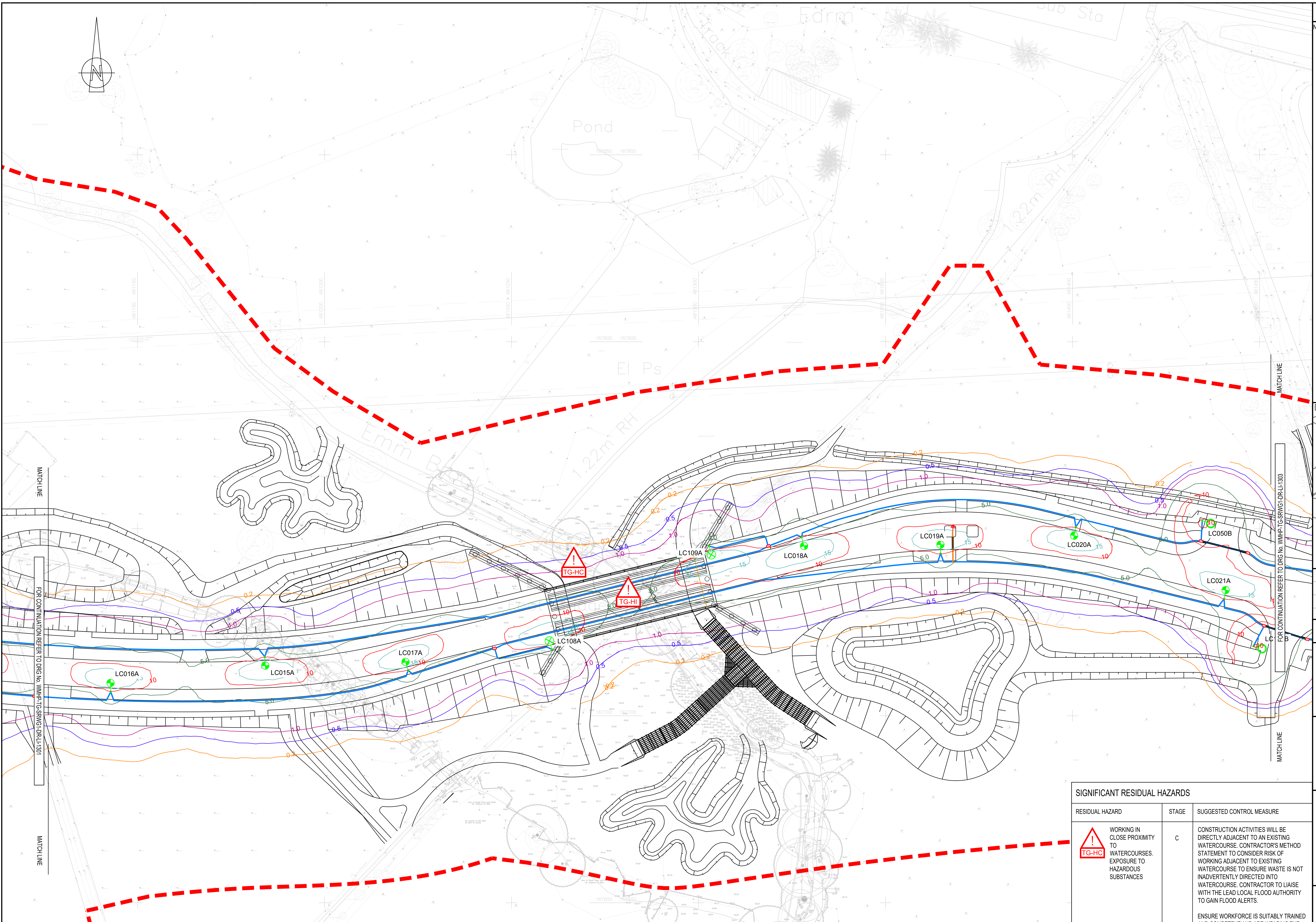


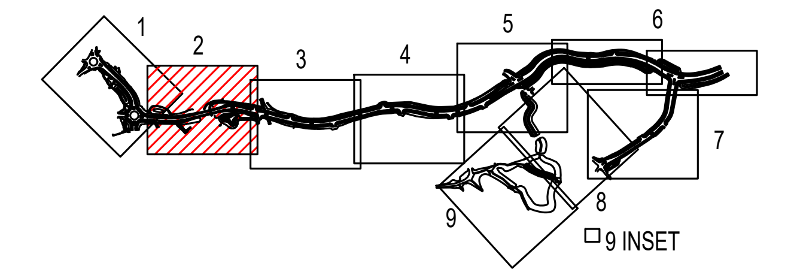
DO NOT SCALE

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

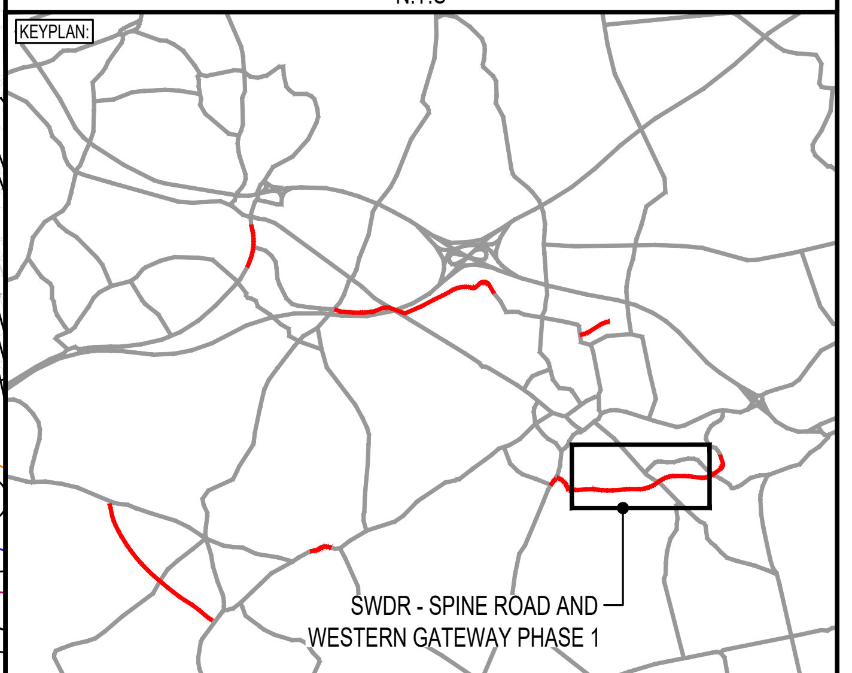
🟥 🟥	RED LINE BOUNDARY
●	EXISTING LIGHTING COLUMN TO BE RETAINED. MF = 0.74
◕	8m POST TOP COLUMN, WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A1 CLO 400mA 7.63klm 51W UMSUG LUMINAIRE. MF = 0.85
⊗	8m COLUMN 1.5m BRACKET ARM, WITH 1x DW WINDSOR KIRIUM PRO2 48 LED 3k A1 CLO 400mA 7.63klm 51W UMSUG LUMINAIRE. 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.
4 5 10	LUX CONTOURS.
▭	CONFLICT AREA.



SHEET LOCATION PLAN

N.T.S

KEYPLAN:



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

DESIGNER:

Tony Gee and Partners LLP
Hardy House
140 High Street
Esher, Surrey
KT10 9QJ
Tel: 01372 461600
www.tonygee.com
Consulting Civil, Structural and Geotechnical Engineers

CONTRACTOR:

Balfour Beatty

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 2

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-1302
REV: P06

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 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.
TG-HI WORKING AT HEIGHT ON TOP OF BRIDGES	C, M	ENSURE APPROPRIATE RISK ASSESSMENTS ARE USED WHEN WORKING ON TOP OF BRIDGES, WHICH SHOULD IDENTIFY MITGATION MEASURES SUCH AS FALL RESTRAINT SYSTEMS, DROP ZONE CONTROL AND MEASURE TO PREVENT OBJECTS FROM FALLING FROM THE BRIDGE.

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)		MAINLINE (C5)	FOOTWAY (P5)	
	West of Bridge	East of Bridge	Bridge Deck		
EAV	11.28	11.91	7.57	EAV	5.09
EMIN	4.91	4.75	4.00	EMIN	1.51
EMAX	32.98	32.04	21.61	EMAX	34.72
EMIN/EMAX	0.15	0.15	0.19	EMIN/EMAX	0.04
EMIN/EAV	0.44	0.40	0.53	EMIN/EAV	0.30

© Crown copyright and database rights 2018 OS 100005035. You are granted a non-exclusive, royalty free, revocable licence solely to view the Licensed Data for non-commercial purposes for the period during which Tony Gee and Partners LLP makes it available. You are not permitted to copy, sub-license, distribute, sell or otherwise make available the Licensed Data to third parties in any form. Third party rights to enforce the terms of this licence shall be reserved to OS.

File name \\PABLO\DATA\PROJECTS\2018\C118047\BIM\01-WIP\DRAWINGS\WMHP-TG-SRWG1-DR-LI-1302.DWG, printed on 16 May 2025 19:10:35, by David Frampton