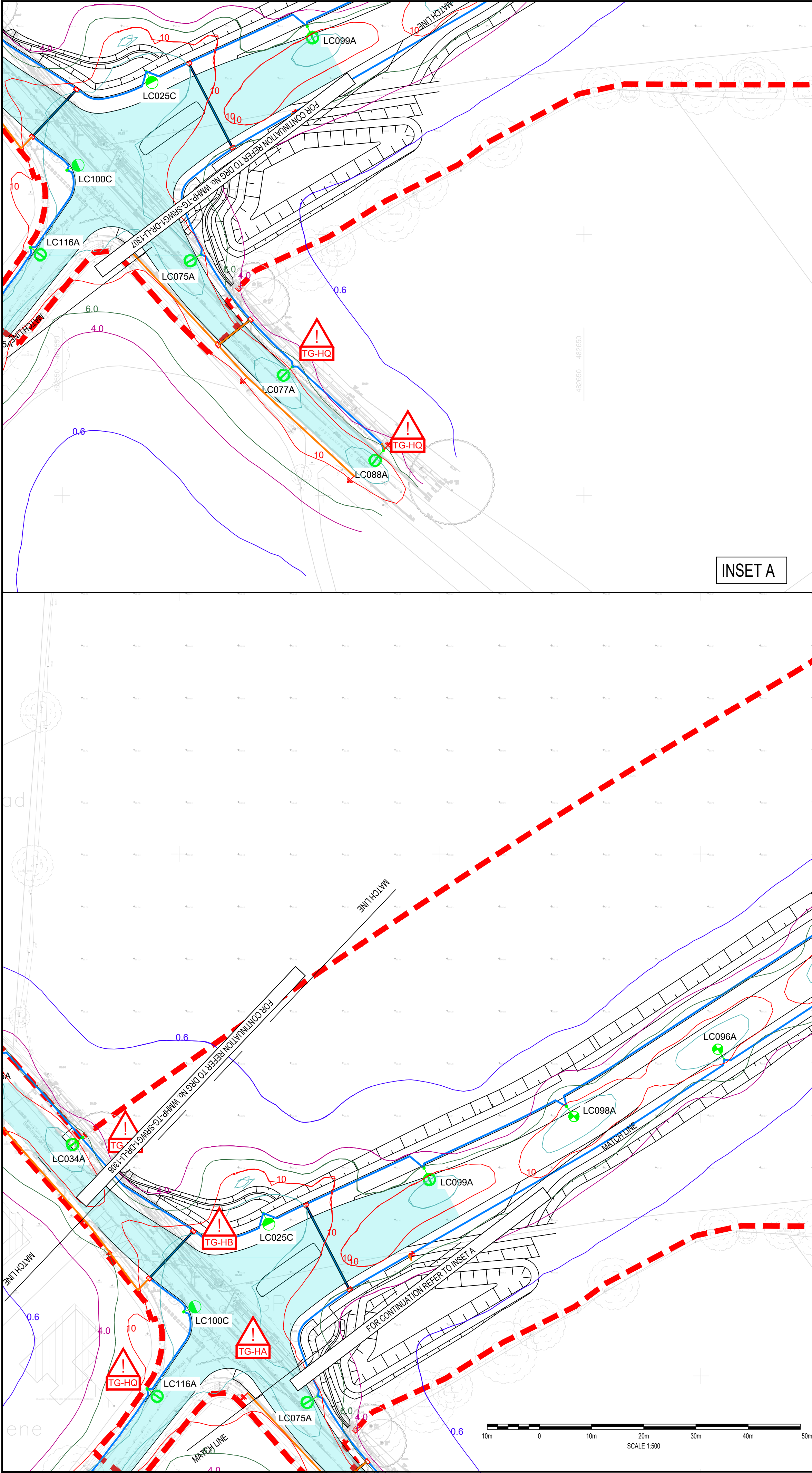




INSET A

MATCH LINE

FOR CONTINUATION REFER TO DRG No. WMHP-TG-SRWG1-DR-LI-1306

MATCH LINE

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

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

48 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 800mm DRAWPIT.

LUX CONTOURS.

CONFLICT AREA.

1 2 3 4 5 6 7

9 8

9 INSET

SHEET LOCATION PLAN

N.T.S

KEYPLAN

SWDR - SPINE ROAD AND WESTERN GATEWAY PHASE 1

P04	01/04/2022	MH	INTERNAL REVIEW UPDATES	ARL	JC
P02	10/08/2021	JF	REVISED FOR PLANNING DISCHARGE AND SCO COMMENTS	DJF	JC
P01	23/03/2021	ALM	FIRST ISSUE	DJF	JC
REV	DATE	BY	DESCRIPTION	CHK	APP

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:

1:500

CHECKED:

DJF

APPROVED:

JC

PROJECT NO:

C118047

DESIGNED:

ALM

DRAWN:

ALM

DATE:

October 19

DRAWING NO:

WMHP-TG-SRWG1-DR-LI-1307

REV:

P04

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

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 ERCTED 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.		

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